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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NWIRP Bethpage CTO WE13 - VPB-192 #112G08005

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q1380

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1380

Project ID : NWIRP Bethpage CTO WE13 - VPB-192 #112G08005

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1380-01	BP-VPB-192-EB-20250212
Q1380-02	BP-VPB-192-TB-20250210
Q1380-06	BP-VPB-192-GW-725-727
Q1380-07	BP-VPB-192-GW-725-727MS
Q1380-08	BP-VPB-192-GW-725-727MSD
Q1380-09	BP-VPB-192-GW-780-782
Q1380-10	BP-VPB-192-GW-780-782MS
Q1380-11	BP-VPB-192-GW-780-782MSD
Q1380-12	VPB192-HYD-20250214

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

Signature : _____

Date: 3/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage CTO WE13 - VPB-192 #112G08005
Project Manager : Ernie Wu
Chemtech Project # Q1380
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 02/17/2025.
6 Water samples were received on 02/17/2025.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis except for BP-VPB-192-GW-725-727MS and BP-VPB-192-GW-725-727MSD,for MS-MSD VIAL A Initially analyzed in sequence VY022025 with in Holding time but internal standard and surrogate failed as well as End CCAL was failing therefore as a corrective action lab analyzed MS-MSD again with VIAL B where Internal standards and surrogate failure confirmed but this analysis is out of Holding time, Therefore VIAL B reported as final and VIAL A reported as screening data in miscellaneous section.

The Surrogate recoveries met the acceptable criteria except for BP-VPB-192-GW-725-727MS [4-Bromofluorobenzene - 63%, Toluene-d8 - 73%] Surrogate fail in Only MS and but Parent Sample and MSD are Passing For Surrogate Recoveries therefore no Corrective action was taken.

The Internal Standards Areas met the acceptable requirements except for , BP-VPB-192-GW-725-727MSD.Internal standard fail in only MSD but MS and Parent Sample are Passing For Internal standard Recoveries therefore no Corrective action was taken.

The Retention Times were acceptable for all samples.
The MS {Q1380-07MS} with File ID: VY021342.D recoveries met the requirements for all compounds except for 1,2-Dichlorobenzene[72%], 1,3-Dichlorobenzene[67%], 1,4-Dichlorobenzene[69%], Chlorobenzene[76%], Ethyl Benzene[75%], m/p-Xylenes[74%], Methylcyclohexane[46%], o-Xylene[75%], Styrene[51%], Tetrachloroethene[72%] and Trichloroethene[76%],due to Matrix interference.

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The MSD {Q1380-08MSD} with File ID: VY021343.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[164%], Methyl tert-butyl Ether[127%] and Styrene[69%], due to Matrix interference.

The sample # BP-VPB-192-GW-725-727MS and BP-VPB-192-GW-725-727MSD are failing for Methyl tert-butyl Ether,Methylcyclohexane,Trichloroethene,Tetrachloroethene,Chlorobenzene,Ethyl Benzene,m/p-Xylenes,o-Xylene,Styrene,1,1,2,2-Tetrachloroethane,1,3-Dichlorobenzene,1,4-Dichlorobenzene and 1,2-Dichlorobenzene the original sample(BP-VPB-192-GW-725-727) is reported with M flag for this compounds.

The RPD for {Q1380-08MSD} with File ID: VY021343.D met criteria except for 1,1,1-Trichloroethane[34%], 1,1,2,2-Tetrachloroethane[38%], 1,1,2-Trichloroethane[40%], 1,1,2-Trichlorotrifluoroethane[37%], 1,1-Dichloroethane[32%], 1,1-Dichloroethene[35%], 1,2-Dichlorobenzene[40%], 1,2-Dichloroethane[38%], 1,2-Dichloropropane[35%], 1,3-Dichlorobenzene[38%], 1,4-Dichlorobenzene[40%], 2-Butanone[41%], 2-Hexanone[45%], 4-Methyl-2-Pentanone[45%], Acetone[39%], Benzene[35%], Bromodichloromethane[34%], Bromoform[38%], Bromomethane[33%], Carbon disulfide[32%], Carbon Tetrachloride[35%], Chlorobenzene[34%], Chloroethane[31%], Chloroform[33%], Chloromethane[36%], cis-1,2-Dichloroethene[33%], cis-1,3-Dichloropropene[35%], Dibromochloromethane[38%], Ethyl Benzene[35%], Isopropylbenzene[37%], m/p-Xylenes[37%], Methyl tert-butyl Ether[39%], Methylcyclohexane[43%], Methylene Chloride[33%], o-Xylene[35%], Styrene[30%], t-1,3-Dichloropropene[36%], Tetrachloroethene[34%], Toluene[35%], trans-1,2-Dichloroethene[34%], Trichloroethene[35%], Trichlorofluoromethane[35%] and Vinyl chloride[37%] , due to difference in results of MS and MSD.

The Blank Spike for {VY0219SBS01} with File ID: VY021238.D met requirements for all samples except for Chloroethane[146%], Chloromethane[150%] and Vinyl chloride[145%], are failing high but no positive hit in associate samples therefore no corrective action taken.

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

The %RSD is greater than 20% in the Initial Calibration method (82N021825W.M) for Styrene this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

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

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

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1380 MATRIX: /Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82N021825W.M) for Styrene this compound is passing on Quadratic Regression. The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for BP-VPB-192-GW-725-727MS [4-Bromofluorobenzene - 63%, Toluene-d8 - 73%] ,Surrogate fail in Only MS but Parent Sample and MSD are Passing For Surrogate Recoveries therefore no Corrective action was taken.		✓	

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

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MS {Q1380-07MS} with File ID: VY021342.D recoveries met the requirements for all compounds except for 1,2-Dichlorobenzene[72%], 1,3-Dichlorobenzene[67%], 1,4-Dichlorobenzene[69%], Chlorobenzene[76%], Ethyl Benzene[75%], m/p-Xylenes[74%], Methylcyclohexane[46%], o-Xylene[75%], Styrene[51%], Tetrachloroethene[72%] and Trichloroethene[76%], due to Matrix interference.

The MSD {Q1380-08MSD} with File ID: VY021343.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[164%], Methyl tert-butyl Ether[127%] and Styrene[69%], due to Matrix interference.

The sample # BP-VPB-192-GW-725-727MS and BP-VPB-192-GW-725-727MSD are failing for Methyl tert-butyl Ether,Methylcyclohexane,Trichloroethene,Tetrachloroethene,Chlorobenzene,Ethyl Benzene,m/p-Xylenes,o-Xylene,Styrene,1,1,2,2-Tetrachloroethane,1,3-Dichlorobenzene,1,4-Dichlorobenzene and 1,2-Dichlorobenzene the original sample(BP-VPB-192-GW-725-727) is reported with M flag for this compounds.

The RPD for {Q1380-08MSD} with File ID: VY021343.D met criteria except for 1,1,1-Trichloroethane[34%], 1,1,2,2-Tetrachloroethane[38%], 1,1,2-Trichloroethane[40%], 1,1,2-Trichlorotrifluoroethane[37%], 1,1-Dichloroethane[32%], 1,1-Dichloroethene[35%], 1,2-Dichlorobenzene[40%], 1,2-Dichloroethane[38%], 1,2-Dichloropropane[35%], 1,3-Dichlorobenzene[38%], 1,4-Dichlorobenzene[40%], 2-Butanone[41%], 2-Hexanone[45%], 4-Methyl-2-Pentanone[45%], Acetone[39%], Benzene[35%], Bromodichloromethane[34%], Bromoform[38%], Bromomethane[33%], Carbon disulfide[32%], Carbon Tetrachloride[35%], Chlorobenzene[34%], Chloroethane[31%], Chloroform[33%], Chloromethane[36%], cis-1,2-Dichloroethene[33%], cis-1,3-Dichloropropene[35%], Dibromochloromethane[38%], Ethyl Benzene[35%], Isopropylbenzene[37%], m/p-Xylenes[37%], Methyl tert-butyl Ether[39%], Methylcyclohexane[43%], Methylene Chloride[33%], o-Xylene[35%], Styrene[30%], t-1,3-Dichloropropene[36%], Tetrachloroethene[34%], Toluene[35%], trans-1,2-Dichloroethene[34%], Trichloroethene[35%], Trichlorofluoromethane[35%] and Vinyl chloride[37%] , due to difference in results of MS and MSD.

The Blank Spike for {VY0219SBS01} with File ID: VY021238.D met requirements for all samples except for Chloroethane[146%], Chloromethane[150%] and Vinyl chloride[145%], are failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all samples.

9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	

Comments: The Internal Standards Areas met the acceptable requirements except for BP-VPB-192-GW-725-727MSD.Internal standard fail in only MSD but MS and Parent Sample are Passing For Internal standard Recoveries therefore no Corrective action was taken.

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

		NA	NO	YES
10.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

The Holding Times were met for all analysis except for BP-VPB-192-GW-725-727MS and BP-VPB-192-GW-725-727MSD,for MS-MSD VIAL A Initially analyzed in sequence VY022025 with in Holding time but internal standard and surrogate failed as well as End CCAL was failing therefore as a corrective action lab analyzed MS-MSD again with VIAL B where Internal standards and surrogate failure confirmed but this analysis is out of Holding time, Therefore VIAL B reported as final and VIAL A reported as screening data in miscellaneous section..

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

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

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1380

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

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

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LAB CHRONICLE

OrderID:	Q1380	**OrderDate:**	2/17/2025 3:59:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005
Contact:	Ernie Wu	**Location:**	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1380-01	**BP-VPB-192-EB-20250212**	**Water**			**02/12/25**			**02/17/25**
			VOCMS Group1	8260-Low			02/19/25	
Q1380-02	**BP-VPB-192-TB-20250210**	**Water**			**02/10/25**			**02/17/25**
			VOCMS Group1	8260-Low			02/19/25	
Q1380-06	**BP-VPB-192-GW-725-727**	**SOIL**			**02/10/25**			**02/17/25**
			VOCMS Group1	8260D			02/19/25	
Q1380-09	**BP-VPB-192-GW-780-782**	**Water**			**02/13/25**			**02/17/25**
			VOCMS Group1	8260-Low			02/19/25	
Q1380-12	**VPB192-HYD-20250214**	**Water**			**02/14/25**			**02/17/25**
			VOCMS Group1	8260-Low			02/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-192-EB-20250212**								
Q1380-01	BP-VPB-192-EB-2(	Water	Acetone	4.70	J	1.40	3.80	5.00	ug/L
			Total Voc :	4.70					
			Total Concentration:	4.70					
Client ID:	**BP-VPB-192-TB-20250210**								
Q1380-02	BP-VPB-192-TB-2(	Water	Acetone	1.40	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.40					
			Total Concentration:	1.40					
Client ID:	**BP-VPB-192-GW-725-727**								
Q1380-06	BP-VPB-192-GW-7	SOIL	Acetone	130	J	83.5	270	330	ug/Kg
			Total Voc :	130					
			Total Concentration:	130					
Client ID:	**BP-VPB-192-GW-780-782**								
Q1380-09	BP-VPB-192-GW-7	Water	Acetone	9.50		1.40	3.80	5.00	ug/L
Q1380-09	BP-VPB-192-GW-7	Water	2-Butanone	1.90	J	1.30	2.50	5.00	ug/L
			Total Voc :	11.4					
			Total Concentration:	11.4					
Client ID:	**VPB192-HYD-20250214**								
Q1380-12	VPB192-HYD-2025	Water	Acetone	1.50	J	1.40	3.80	5.00	ug/L
Q1380-12	VPB192-HYD-2025	Water	Chloroform	0.49	J	0.26	0.50	1.00	ug/L
Q1380-12	VPB192-HYD-2025	Water	Bromodichloromethane	1.50		0.24	0.50	1.00	ug/L
Q1380-12	VPB192-HYD-2025	Water	4-Methyl-2-Pentanone	1.90	J	0.75	2.50	5.00	ug/L
Q1380-12	VPB192-HYD-2025	Water	Dibromochloromethane	2.70		0.18	0.50	1.00	ug/L
Q1380-12	VPB192-HYD-2025	Water	Bromoform	1.60		0.21	0.50	1.00	ug/L
			Total Voc :	9.69					
			Total Concentration:	9.69					

QC SUMMARY

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Surrogate Summary

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1380-06	BP-VPB-192-GW-725-727	1,2-Dichloroethane-d4	50	66.6	133		71	136
		Dibromofluoromethane	50	53.3	107		78	119
		Toluene-d8	50	50.3	101		85	116
		4-Bromofluorobenzene	50	53.7	107		79	119
Q1380-07MS	BP-VPB-192-GW-725-727MS	1,2-Dichloroethane-d4	50	40.9	82		71	136
		Dibromofluoromethane	50	39.9	80		78	119
		Toluene-d8	50	36.4	73	*	85	116
		4-Bromofluorobenzene	50	31.4	63	*	79	119
Q1380-08MSD	BP-VPB-192-GW-725-727MSD	1,2-Dichloroethane-d4	50	56.3	113		71	136
		Dibromofluoromethane	50	55.0	110		78	119
		Toluene-d8	50	50.0	100		85	116
		4-Bromofluorobenzene	50	42.4	85		79	119
VY0219SBL01	VY0219SBL01	1,2-Dichloroethane-d4	50	54.2	108		71	136
		Dibromofluoromethane	50	50.2	100		78	119
		Toluene-d8	50	49.6	99		85	116
		4-Bromofluorobenzene	50	47.8	96		79	119
VY0219SBS01	VY0219SBS01	1,2-Dichloroethane-d4	50	50.3	101		71	136
		Dibromofluoromethane	50	48.6	97		78	119
		Toluene-d8	50	47.3	95		85	116
		4-Bromofluorobenzene	50	50.7	101		79	119
VY0226SBL01	VY0226SBL01	1,2-Dichloroethane-d4	50	53.1	106		71	136
		Dibromofluoromethane	50	49.5	99		78	119
		Toluene-d8	50	49.1	98		85	116
		4-Bromofluorobenzene	50	50.1	100		79	119
VY0226SBS01	VY0226SBS01	1,2-Dichloroethane-d4	50	46.7	93		71	136
		Dibromofluoromethane	50	47.4	95		78	119
		Toluene-d8	50	47.6	95		85	116
		4-Bromofluorobenzene	50	47.3	95		79	119

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Surrogate Summary

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1380-01	BP-VPB-192-EB-20250212	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	49.5	99	85	114
Q1380-02	BP-VPB-192-TB-20250210	1,2-Dichloroethane-d4	50	57.5	115	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	47.8	96	85	114
Q1380-09	BP-VPB-192-GW-780-782	1,2-Dichloroethane-d4	50	57.5	115	81	118
		Dibromofluoromethane	50	53.5	107	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	45.8	92	85	114
Q1380-12	VPB192-HYD-20250214	1,2-Dichloroethane-d4	50	55.0	110	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
VN0219WBL01	VN0219WBL01	1,2-Dichloroethane-d4	50	56.1	112	81	118
		Dibromofluoromethane	50	54.6	109	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	48.1	96	85	114
VN0219WBS01	VN0219WBS01	1,2-Dichloroethane-d4	50	52.7	105	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	54.8	110	89	112
		4-Bromofluorobenzene	50	56.0	112	85	114
VN0219WBSD0	VN0219WBSD01	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	54.7	109	80	119
		Toluene-d8	50	55.1	110	89	112
		4-Bromofluorobenzene	50	56.6	113	85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1380-07MS		**Client Sample ID : BP-VPB-192-GW-725-727MS**						**Datafile :** VY021342.D			
Chloromethane	670	0	520	ug/Kg	78				50	136	
Vinyl chloride	670	0	550	ug/Kg	82				56	135	
Bromomethane	670	0	550	ug/Kg	82				53	143	
Chloroethane	670	0	580	ug/Kg	87				59	139	
Trichlorofluoromethane	670	0	570	ug/Kg	85				62	140	
1,1,2-Trichlorotrifluoroethane	670	0	530	ug/Kg	79				66	136	
1,1-Dichloroethene	670	0	560	ug/Kg	84				70	131	
Acetone	3300	130	2600	ug/Kg	75				36	164	
Carbon disulfide	670	0	570	ug/Kg	85				63	132	
Methyl tert-butyl Ether	670	0	570	ug/Kg	85				73	125	
Methylene Chloride	670	0	590	ug/Kg	88				70	128	
trans-1,2-Dichloroethene	670	0	560	ug/Kg	84				74	125	
1,1-Dichloroethane	670	0	580	ug/Kg	87				76	125	
2-Butanone	3300	0	2500	ug/Kg	76				51	148	
Carbon Tetrachloride	670	0	520	ug/Kg	78				70	135	
cis-1,2-Dichloroethene	670	0	580	ug/Kg	87				77	123	
Chloroform	670	0	580	ug/Kg	87				78	123	
1,1,1-Trichloroethane	670	0	570	ug/Kg	85				73	130	
Methylcyclohexane	670	0	310	ug/Kg	46	*			66	133	
Benzene	670	0	540	ug/Kg	81				77	121	
1,2-Dichloroethane	670	0	550	ug/Kg	82				73	128	
Trichloroethene	670	0	510	ug/Kg	76	*			77	123	
1,2-Dichloropropane	670	0	540	ug/Kg	81				76	123	
Bromodichloromethane	670	0	560	ug/Kg	84				75	127	
4-Methyl-2-Pentanone	3300	0	2400	ug/Kg	73				65	135	
Toluene	670	0	520	ug/Kg	78				77	121	
t-1,3-Dichloropropene	670	0	520	ug/Kg	78				71	130	
cis-1,3-Dichloropropene	670	0	520	ug/Kg	78				74	126	
1,1,2-Trichloroethane	670	0	540	ug/Kg	81				78	121	
2-Hexanone	3300	0	2400	ug/Kg	73				53	145	
Dibromochloromethane	670	0	540	ug/Kg	81				74	126	
Tetrachloroethene	670	0	480	ug/Kg	72	*			73	128	
Chlorobenzene	670	0	510	ug/Kg	76	*			79	120	
Ethyl Benzene	670	0	500	ug/Kg	75	*			76	122	
m/p-Xylenes	1300	0	960	ug/Kg	74	*			77	124	
o-Xylene	670	0	500	ug/Kg	75	*			77	123	
Styrene	670	0	340	ug/Kg	51	*			76	124	
Bromoform	670	0	560	ug/Kg	84				67	132	
Isopropylbenzene	670	0	590	ug/Kg	88				68	134	
1,1,2,2-Tetrachloroethane	670	0	750	ug/Kg	112				70	124	
1,3-Dichlorobenzene	670	0	450	ug/Kg	67	*			77	121	
1,4-Dichlorobenzene	670	0	460	ug/Kg	69	*			75	120	
1,2-Dichlorobenzene	670	0	480	ug/Kg	72	*			78	121	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1380-08MSD	**Client Sample ID :** BP-VPB-192-GW-725-727MSD							**Datafile :** VY021343.D			
Chloromethane	670	0	750	ug/Kg	112		36	*	50	136	20
Vinyl chloride	670	0	800	ug/Kg	119		37	*	56	135	20
Bromomethane	670	0	770	ug/Kg	115		33	*	53	143	20
Chloroethane	670	0	790	ug/Kg	118		31	*	59	139	20
Trichlorofluoromethane	670	0	810	ug/Kg	121		35	*	62	140	20
1,1,2-Trichlorotrifluoroethane	670	0	770	ug/Kg	115		37	*	66	136	20
1,1-Dichloroethene	670	0	800	ug/Kg	119		35	*	70	131	20
Acetone	3400	130	3900	ug/Kg	111		39	*	36	164	20
Carbon disulfide	670	0	790	ug/Kg	118		32	*	63	132	20
Methyl tert-butyl Ether	670	0	850	ug/Kg	127	*	39	*	73	125	20
Methylene Chloride	670	0	820	ug/Kg	122		33	*	70	128	20
trans-1,2-Dichloroethene	670	0	790	ug/Kg	118		34	*	74	125	20
1,1-Dichloroethane	670	0	800	ug/Kg	119		32	*	76	125	20
2-Butanone	3400	0	3900	ug/Kg	115		41	*	51	148	20
Carbon Tetrachloride	670	0	740	ug/Kg	110		35	*	70	135	20
cis-1,2-Dichloroethene	670	0	810	ug/Kg	121		33	*	77	123	20
Chloroform	670	0	810	ug/Kg	121		33	*	78	123	20
1,1,1-Trichloroethane	670	0	800	ug/Kg	119		34	*	73	130	20
Methylcyclohexane	670	0	480	ug/Kg	72		43	*	66	133	20
Benzene	670	0	770	ug/Kg	115		35	*	77	121	20
1,2-Dichloroethane	670	0	810	ug/Kg	121		38	*	73	128	20
Trichloroethene	670	0	730	ug/Kg	109		35	*	77	123	20
1,2-Dichloropropane	670	0	770	ug/Kg	115		35	*	76	123	20
Bromodichloromethane	670	0	790	ug/Kg	118		34	*	75	127	20
4-Methyl-2-Pentanone	3400	0	3900	ug/Kg	115		45	*	65	135	20
Toluene	670	0	740	ug/Kg	110		35	*	77	121	20
t-1,3-Dichloropropene	670	0	750	ug/Kg	112		36	*	71	130	20
cis-1,3-Dichloropropene	670	0	740	ug/Kg	110		35	*	74	126	20
1,1,2-Trichloroethane	670	0	810	ug/Kg	121		40	*	78	121	20
2-Hexanone	3400	0	3900	ug/Kg	115		45	*	53	145	20
Dibromochloromethane	670	0	790	ug/Kg	118		38	*	74	126	20
Tetrachloroethene	670	0	680	ug/Kg	101		34	*	73	128	20
Chlorobenzene	670	0	720	ug/Kg	107		34	*	79	120	20
Ethyl Benzene	670	0	710	ug/Kg	106		35	*	76	122	20
m/p-Xylenes	1300	0	1400	ug/Kg	108		37	*	77	124	20
o-Xylene	670	0	710	ug/Kg	106		35	*	77	123	20
Styrene	670	0	460	ug/Kg	69	*	30	*	76	124	20
Bromoform	670	0	820	ug/Kg	122		38	*	67	132	20
Isopropylbenzene	670	0	860	ug/Kg	128		37	*	68	134	20
1,1,2,2-Tetrachloroethane	670	0	1100	ug/Kg	164	*	38	*	70	124	20
1,3-Dichlorobenzene	670	0	660	ug/Kg	99		38	*	77	121	20
1,4-Dichlorobenzene	670	0	690	ug/Kg	103		40	*	75	120	20
1,2-Dichlorobenzene	670	0	720	ug/Kg	107		40	*	78	121	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN085785.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0219WBS01	Chloromethane	20	17.2	ug/L	86			50	139	
	Vinyl chloride	20	17.2	ug/L	86			58	137	
	Bromomethane	20	17.2	ug/L	86			53	141	
	Chloroethane	20	17.0	ug/L	85			60	138	
	Trichlorofluoromethane	20	17.1	ug/L	86			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89			70	136	
	1,1-Dichloroethene	20	17.4	ug/L	87			71	131	
	Acetone	100	93.8	ug/L	94			39	160	
	Carbon disulfide	20	16.8	ug/L	84			64	133	
	Methyl tert-butyl Ether	20	17.9	ug/L	90			71	124	
	Methylene Chloride	20	16.8	ug/L	84			74	124	
	trans-1,2-Dichloroethene	20	17.0	ug/L	85			75	124	
	1,1-Dichloroethane	20	17.7	ug/L	89			77	125	
	2-Butanone	100	89.6	ug/L	90			56	143	
	Carbon Tetrachloride	20	17.5	ug/L	88			72	136	
	cis-1,2-Dichloroethene	20	17.6	ug/L	88			78	123	
	Chloroform	20	17.5	ug/L	88			79	124	
	1,1,1-Trichloroethane	20	17.5	ug/L	88			74	131	
	Methylcyclohexane	20	18.7	ug/L	94			72	132	
	Benzene	20	18.1	ug/L	91			79	120	
	1,2-Dichloroethane	20	17.7	ug/L	89			73	128	
	Trichloroethene	20	17.3	ug/L	86			79	123	
	1,2-Dichloropropane	20	17.8	ug/L	89			78	122	
	Bromodichloromethane	20	17.6	ug/L	88			79	125	
	4-Methyl-2-Pentanone	100	89.2	ug/L	89			67	130	
	Toluene	20	19.0	ug/L	95			80	121	
	t-1,3-Dichloropropene	20	18.6	ug/L	93			73	127	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			75	124	
	1,1,2-Trichloroethane	20	17.8	ug/L	89			80	119	
	2-Hexanone	100	94.1	ug/L	94			57	139	
	Dibromochloromethane	20	18.2	ug/L	91			74	126	
	Tetrachloroethene	20	18.0	ug/L	90			74	129	
	Chlorobenzene	20	17.9	ug/L	90			82	118	
	Ethyl Benzene	20	18.8	ug/L	94			79	121	
	m/p-Xylenes	40	38.9	ug/L	97			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	18.7	ug/L	94			78	123	
	Bromoform	20	18.3	ug/L	92			66	130	
	Isopropylbenzene	20	18.8	ug/L	94			72	131	
	1,1,2,2-Tetrachloroethane	20	16.6	ug/L	83			71	121	
	1,3-Dichlorobenzene	20	17.8	ug/L	89			80	119	
	1,4-Dichlorobenzene	20	17.5	ug/L	88			79	118	
	1,2-Dichlorobenzene	20	17.5	ug/L	88			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN085786.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0219WBSD01	Chloromethane	20	16.5	ug/L	83	4		50	139	20
	Vinyl chloride	20	16.8	ug/L	84	2		58	137	20
	Bromomethane	20	17.1	ug/L	86	0		53	141	20
	Chloroethane	20	16.2	ug/L	81	5		60	138	20
	Trichlorofluoromethane	20	16.7	ug/L	84	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	17.1	ug/L	86	3		70	136	20
	1,1-Dichloroethene	20	17.2	ug/L	86	1		71	131	20
	Acetone	100	90.3	ug/L	90	4		39	160	20
	Carbon disulfide	20	15.9	ug/L	79	6		64	133	20
	Methyl tert-butyl Ether	20	19.2	ug/L	96	6		71	124	20
	Methylene Chloride	20	17.2	ug/L	86	2		74	124	20
	trans-1,2-Dichloroethene	20	16.9	ug/L	85	0		75	124	20
	1,1-Dichloroethane	20	17.3	ug/L	86	3		77	125	20
	2-Butanone	100	91.4	ug/L	91	1		56	143	20
	Carbon Tetrachloride	20	17.0	ug/L	85	3		72	136	20
	cis-1,2-Dichloroethene	20	17.6	ug/L	88	0		78	123	20
	Chloroform	20	17.5	ug/L	88	0		79	124	20
	1,1,1-Trichloroethane	20	17.2	ug/L	86	2		74	131	20
	Methylcyclohexane	20	17.3	ug/L	86	9		72	132	20
	Benzene	20	17.8	ug/L	89	2		79	120	20
	1,2-Dichloroethane	20	18.2	ug/L	91	2		73	128	20
	Trichloroethene	20	16.7	ug/L	84	2		79	123	20
	1,2-Dichloropropane	20	18.1	ug/L	91	2		78	122	20
	Bromodichloromethane	20	18.0	ug/L	90	2		79	125	20
	4-Methyl-2-Pentanone	100	96.3	ug/L	96	8		67	130	20
	Toluene	20	18.8	ug/L	94	1		80	121	20
	t-1,3-Dichloropropene	20	18.7	ug/L	94	1		73	127	20
	cis-1,3-Dichloropropene	20	18.8	ug/L	94	1		75	124	20
	1,1,2-Trichloroethane	20	17.9	ug/L	90	1		80	119	20
	2-Hexanone	100	97.6	ug/L	98	4		57	139	20
	Dibromochloromethane	20	18.9	ug/L	95	4		74	126	20
	Tetrachloroethene	20	17.5	ug/L	88	2		74	129	20
	Chlorobenzene	20	17.5	ug/L	88	2		82	118	20
	Ethyl Benzene	20	17.9	ug/L	90	4		79	121	20
	m/p-Xylenes	40	37.6	ug/L	94	3		80	121	20
	o-Xylene	20	18.5	ug/L	93	3		78	122	20
	Styrene	20	18.1	ug/L	91	3		78	123	20
	Bromoform	20	18.5	ug/L	93	1		66	130	20
	Isopropylbenzene	20	18.1	ug/L	91	3		72	131	20
	1,1,2,2-Tetrachloroethane	20	17.6	ug/L	88	6		71	121	20
	1,3-Dichlorobenzene	20	17.4	ug/L	87	2		80	119	20
	1,4-Dichlorobenzene	20	17.1	ug/L	86	2		79	118	20
	1,2-Dichlorobenzene	20	17.1	ug/L	86	2		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY021238.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0219SBS01	Chloromethane	20	30.0	ug/Kg	150		*	50	136	
	Vinyl chloride	20	29.0	ug/Kg	145		*	56	135	
	Bromomethane	20	28.3	ug/Kg	142			53	143	
	Chloroethane	20	29.1	ug/Kg	146		*	59	139	
	Trichlorofluoromethane	20	24.4	ug/Kg	122			62	140	
	1,1,2-Trichlorotrifluoroethane	20	23.3	ug/Kg	117			66	136	
	1,1-Dichloroethene	20	23.7	ug/Kg	119			70	131	
	Acetone	100	130	ug/Kg	130			36	164	
	Carbon disulfide	20	24.6	ug/Kg	123			63	132	
	Methyl tert-butyl Ether	20	23.4	ug/Kg	117			73	125	
	Methylene Chloride	20	24.3	ug/Kg	121			70	128	
	trans-1,2-Dichloroethene	20	23.4	ug/Kg	117			74	125	
	1,1-Dichloroethane	20	23.4	ug/Kg	117			76	125	
	2-Butanone	100	120	ug/Kg	120			51	148	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			70	135	
	cis-1,2-Dichloroethene	20	23.0	ug/Kg	115			77	123	
	Chloroform	20	23.3	ug/Kg	117			78	123	
	1,1,1-Trichloroethane	20	22.7	ug/Kg	114			73	130	
	Methylcyclohexane	20	22.7	ug/Kg	114			66	133	
	Benzene	20	22.6	ug/Kg	113			77	121	
	1,2-Dichloroethane	20	22.7	ug/Kg	114			73	128	
	Trichloroethene	20	22.0	ug/Kg	110			77	123	
	1,2-Dichloropropane	20	22.6	ug/Kg	113			76	123	
	Bromodichloromethane	20	22.1	ug/Kg	111			75	127	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			65	135	
	Toluene	20	22.6	ug/Kg	113			77	121	
	t-1,3-Dichloropropene	20	21.9	ug/Kg	110			71	130	
	cis-1,3-Dichloropropene	20	22.2	ug/Kg	111			74	126	
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109			78	121	
	2-Hexanone	100	110	ug/Kg	110			53	145	
	Dibromochloromethane	20	21.4	ug/Kg	107			74	126	
	Tetrachloroethene	20	21.8	ug/Kg	109			73	128	
	Chlorobenzene	20	21.9	ug/Kg	110			79	120	
	Ethyl Benzene	20	21.9	ug/Kg	110			76	122	
	m/p-Xylenes	40	45.1	ug/Kg	113			77	124	
	o-Xylene	20	22.4	ug/Kg	112			77	123	
	Styrene	20	22.2	ug/Kg	111			76	124	
	Bromoform	20	21.4	ug/Kg	107			67	132	
	Isopropylbenzene	20	21.3	ug/Kg	106			68	134	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			70	124	
	1,3-Dichlorobenzene	20	21.1	ug/Kg	106			77	121	
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106			75	120	
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104			78	121	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1380

Client: Tetra Tech NUS, Inc.

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

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

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0219WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VN085784.D Lab Sample ID: VN0219WBL01

Date Analyzed: 02/19/2025 Time Analyzed: 11:49

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0219WBS01	VN0219WBS01	VN085785.D	02/19/2025
VN0219WBSD01	VN0219WBSD01	VN085786.D	02/19/2025
VPB192-HYD-20250214	Q1380-12	VN085787.D	02/19/2025
BP-VPB-192-EB-20250212	Q1380-01	VN085788.D	02/19/2025
BP-VPB-192-TB-20250210	Q1380-02	VN085789.D	02/19/2025
BP-VPB-192-GW-780-782	Q1380-09	VN085790.D	02/19/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0219SBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VY021237.D Lab Sample ID: VY0219SBL01

Date Analyzed: 02/19/2025 Time Analyzed: 15:21

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0219SBS01	VY0219SBS01	VY021238.D	02/19/2025
BP-VPB-192-GW-725-727	Q1380-06	VY021241.D	02/19/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0226SBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

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

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

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0226SBS01	VY0226SBS01	VY021322.D	02/26/2025
BP-VPB-192-GW-725-727MS	Q1380-07MS	VY021342.D	02/26/2025
BP-VPB-192-GW-725-727MSD	Q1380-08MSD	VY021343.D	02/26/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VN085771.D BFB Injection Date: 02/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:35

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.1
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.9 (96.5) 1
177	5.0 - 9.0% of mass 176	5.4 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085772.D	02/18/2025	11:09
VSTDICCC050	VSTDICCC050	VN085773.D	02/18/2025	11:32
VSTDICC010	VSTDICC010	VN085775.D	02/18/2025	12:20
VSTDICC005	VSTDICC005	VN085776.D	02/18/2025	12:43
VSTDICC001	VSTDICC001	VN085777.D	02/18/2025	13:07
VSTDICC020	VSTDICC020	VN085779.D	02/18/2025	14:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VN085781.D BFB Injection Date: 02/19/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:14

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.3 (1.7) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	76 (100.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085782.D	02/19/2025	10:51
VN0219WBL01	VN0219WBL01	VN085784.D	02/19/2025	11:49
VN0219WBS01	VN0219WBS01	VN085785.D	02/19/2025	12:49
VN0219WBSD01	VN0219WBSD01	VN085786.D	02/19/2025	13:22
VPB192-HYD-20250214	Q1380-12	VN085787.D	02/19/2025	13:57
BP-VPB-192-EB-20250212	Q1380-01	VN085788.D	02/19/2025	14:21
BP-VPB-192-TB-20250210	Q1380-02	VN085789.D	02/19/2025	14:45
BP-VPB-192-GW-780-782	Q1380-09	VN085790.D	02/19/2025	15:08
VSTDCCC050EC	VSTDCCC050	VN085792.D	02/19/2025	15:58

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VY021019.D BFB Injection Date: 02/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:51

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	89.7
175	5.0 - 9.0% of mass 174	7 (7.8) 1
176	95.0 - 101.0% of mass 174	87 (97) 1
177	5.0 - 9.0% of mass 176	5.9 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021020.D	02/03/2025	10:35
VSTDICC010	VSTDICC010	VY021021.D	02/03/2025	10:57
VSTDICC020	VSTDICC020	VY021022.D	02/03/2025	11:20
VSTDICCC050	VSTDICCC050	VY021023.D	02/03/2025	11:43
VSTDICC100	VSTDICC100	VY021024.D	02/03/2025	12:21
VSTDICC150	VSTDICC150	VY021025.D	02/03/2025	12:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VY021235.D BFB Injection Date: 02/19/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:09

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	84.8
175	5.0 - 9.0% of mass 174	6.4 (7.6) 1
176	95.0 - 101.0% of mass 174	81.6 (96.3) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021236.D	02/19/2025	14:55
VY0219SBL01	VY0219SBL01	VY021237.D	02/19/2025	15:21
VY0219SBS01	VY0219SBS01	VY021238.D	02/19/2025	15:49
BP-VPB-192-GW-725-727	Q1380-06	VY021241.D	02/19/2025	16:59
VSTDCCC050EC	VSTDCCC050	VY021245.D	02/19/2025	18:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

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

Instrument ID: MSVOA_Y BFB Injection Time: 12:10

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

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

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

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

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

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

Instrument ID: MSVOA_Y BFB Injection Time: 09:12

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

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021320.D	02/26/2025	10:11
VY0226SBL01	VY0226SBL01	VY021321.D	02/26/2025	10:50
VY0226SBS01	VY0226SBS01	VY021322.D	02/26/2025	11:22
BP-VPB-192-GW-725-727MS	Q1380-07MS	VY021342.D	02/26/2025	19:21
BP-VPB-192-GW-725-727MSD	Q1380-08MSD	VY021343.D	02/26/2025	19:43
VSTDCCC050EC	VSTDCCC050	VY021344.D	02/26/2025	20:06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VN085782.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_N Time Analyzed: 10:51

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	338951	8.22	542050	9.09	475442	11.86
UPPER LIMIT	677902	8.718	1084100	9.594	950884	12.359
LOWER LIMIT	169476	7.718	271025	8.594	237721	11.359
EPA SAMPLE NO.						
BP-VPB-192-EB-20250212	292071	8.22	537683	9.10	478583	11.86
BP-VPB-192-TB-20250210	264567	8.22	487878	9.10	434147	11.86
BP-VPB-192-GW-780-782	259651	8.22	470979	9.10	403744	11.87
VPB192-HYD-20250214	297765	8.22	540496	9.09	473230	11.86
VN0219WBL01	286037	8.22	514740	9.09	457806	11.86
VN0219WBS01	317605	8.22	521252	9.09	448364	11.86
VN0219WBSD01	291949	8.22	482343	9.09	419097	11.86

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VN085782.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_N Time Analyzed: 10:51

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

	IS4 AREA #	RT #				
12 HOUR STD	234508	13.788				
UPPER LIMIT	469016	14.288				
LOWER LIMIT	117254	13.288				
EPA SAMPLE NO.						
BP-VPB-192-EB-20250212	200119	13.79				
BP-VPB-192-TB-20250210	174960	13.79				
BP-VPB-192-GW-780-782	157449	13.79				
VPB192-HYD-20250214	194311	13.79				
VN0219WBL01	185142	13.79				
VN0219WBS01	214627	13.79				
VN0219WBSD01	199880	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VY021236.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 14:55

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	200462	7.72	311138	8.63	266562	11.43
UPPER LIMIT	400924	8.219	622276	9.128	533124	11.926
LOWER LIMIT	100231	7.219	155569	8.128	133281	10.926
EPA SAMPLE NO.						
BP-VPB-192-GW-725-727	223938	7.71	424683	8.62	405408	11.42
VY0219SBL01	252953	7.72	478949	8.62	429832	11.43
VY0219SBS01	187422	7.71	302089	8.62	255752	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

Lab File ID: VY021236.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 14:55

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

	IS4 AREA #	RT #				
12 HOUR STD	126814	13.359				
UPPER LIMIT	253628	13.859				
LOWER LIMIT	63407	12.859				
EPA SAMPLE NO.						
BP-VPB-192-GW-725-727	161420	13.35				
VY0219SBL01	157077	13.35				
VY0219SBS01	127239	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

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

Instrument ID: MSVOA_Y Time Analyzed: 10:11

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	193888	7.71	308714	8.62	268805	11.42
UPPER LIMIT	387776	8.213	617428	9.116	537610	11.92
LOWER LIMIT	96944	7.213	154357	8.116	134403	10.92
EPA SAMPLE NO.						
BP-VPB-192-GW-725-727MS	157236	7.71	260195	8.62	210847	11.41
BP-VPB-192-GW-725-727MSD	137100	7.71	223153	8.62	181056	11.41
VY0226SBL01	251129	7.71	483695	8.62	470141	11.42
VY0226SBS01	184417	7.71	291138	8.62	254891	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG NO.: Q1380

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

Instrument ID: MSVOA_Y Time Analyzed: 10:11

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

	IS4 AREA #		RT #				
12 HOUR STD	131935		13.347				
UPPER LIMIT	263870		13.847				
LOWER LIMIT	65967.5		12.847				
EPA SAMPLE NO.							
BP-VPB-192-GW-725-727MS	76053		13.35				
BP-VPB-192-GW-725-727MSD	63404	*	13.35				
VY0226SBL01	192201		13.35				
VY0226SBS01	128725		13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/12/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-EB-20250212 Q1380-01	SDG No.:	Q1380
Lab Sample ID:	SW8260	Matrix:	Water
Analytical Method:		% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085788.D	1		02/19/25 14:21	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.70	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/12/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-EB-20250212 Q1380-01	SDG No.:	Q1380
Lab Sample ID:	SW8260	Matrix:	Water
Analytical Method:		% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085788.D	1		02/19/25 14:21	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	292000	8.218				
540-36-3	1,4-Difluorobenzene	538000	9.1				
3114-55-4	Chlorobenzene-d5	479000	11.859				
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/12/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-EB-20250212	SDG No.:	Q1380
Lab Sample ID:	Q1380-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085788.D	1		02/19/25 14:21	VN021925

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085788.D
Acq On : 19 Feb 2025 14:21
Operator : JC\MD
Sample : Q1380-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Quant Time: Feb 20 00:48:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

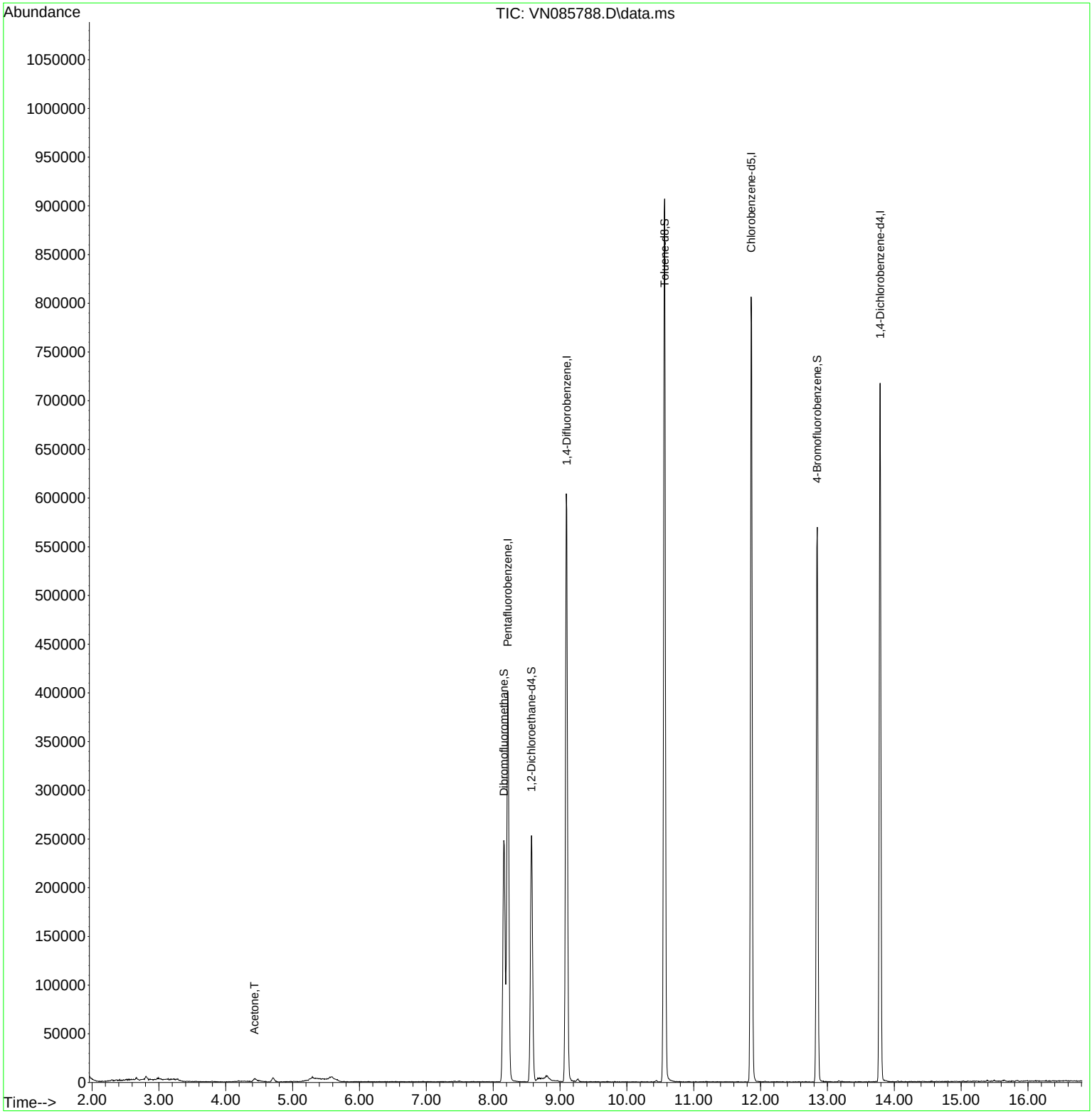
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	292071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	537683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	478583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	200119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	210670	55.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.280%			
35) Dibromofluoromethane	8.159	113	182949	51.999	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.000%			
50) Toluene-d8	10.565	98	652872	51.002	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.000%			
62) 4-Bromofluorobenzene	12.847	95	208565	49.451	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.900%			
Target Compounds						Qvalue
16) Acetone	4.430	43	5625	4.695	ug/l	91

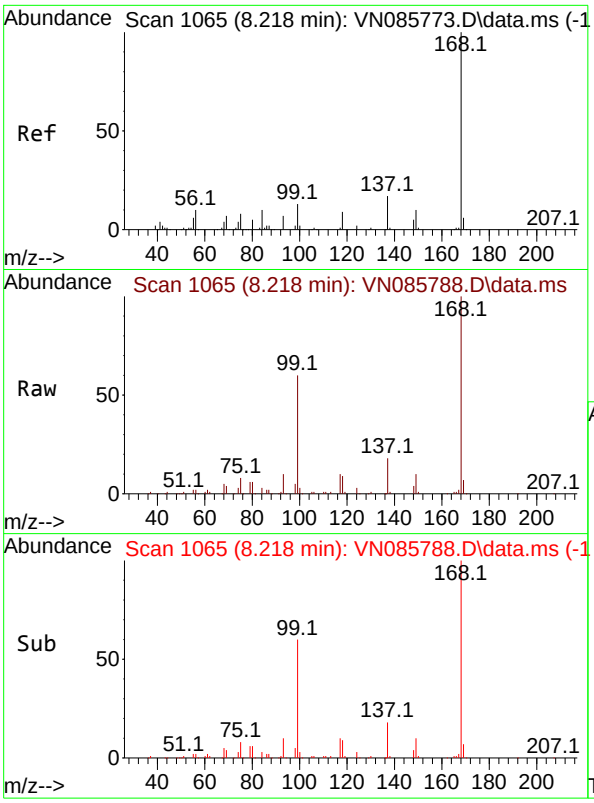
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085788.D
Acq On : 19 Feb 2025 14:21
Operator : JC\MD
Sample : Q1380-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Quant Time: Feb 20 00:48:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



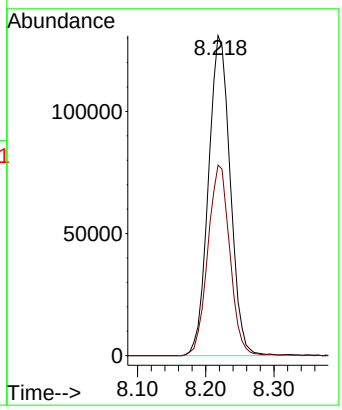


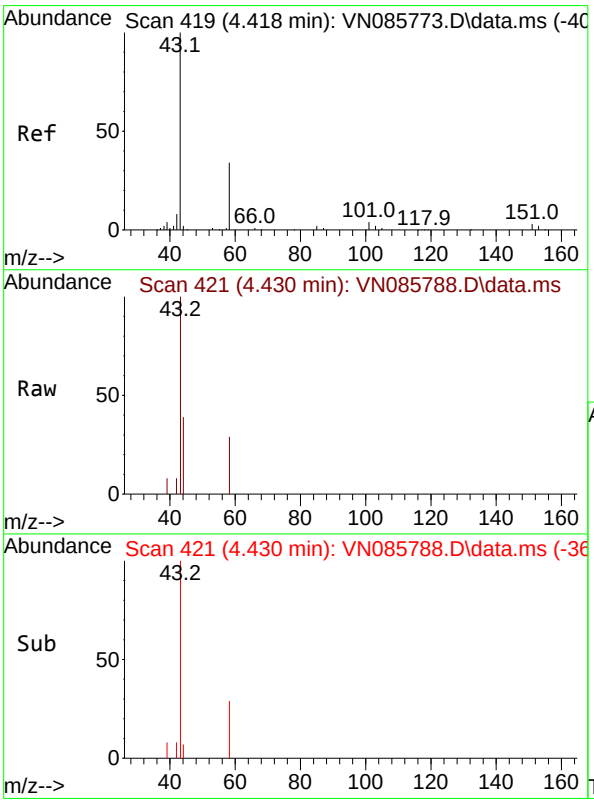
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Tgt Ion:168 Resp: 292071

Ion	Ratio	Lower	Upper
168	100		
99	59.5	47.9	71.9

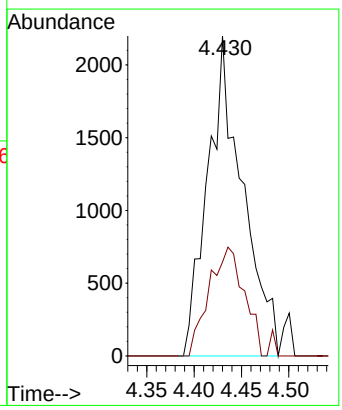


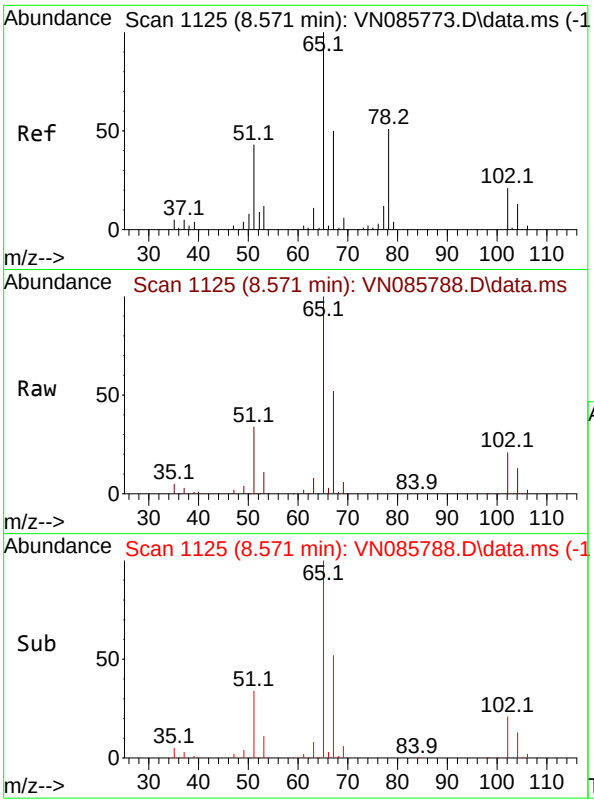


#16
Acetone
Concen: 4.695 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion: 43 Resp: 5625

Ion	Ratio	Lower	Upper
43	100		
58	29.3	27.5	41.3



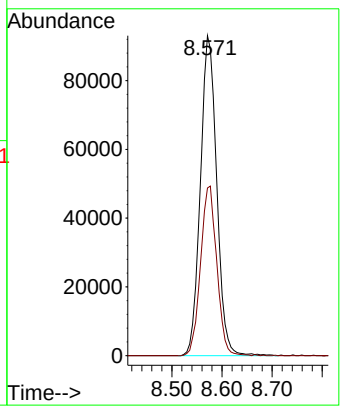


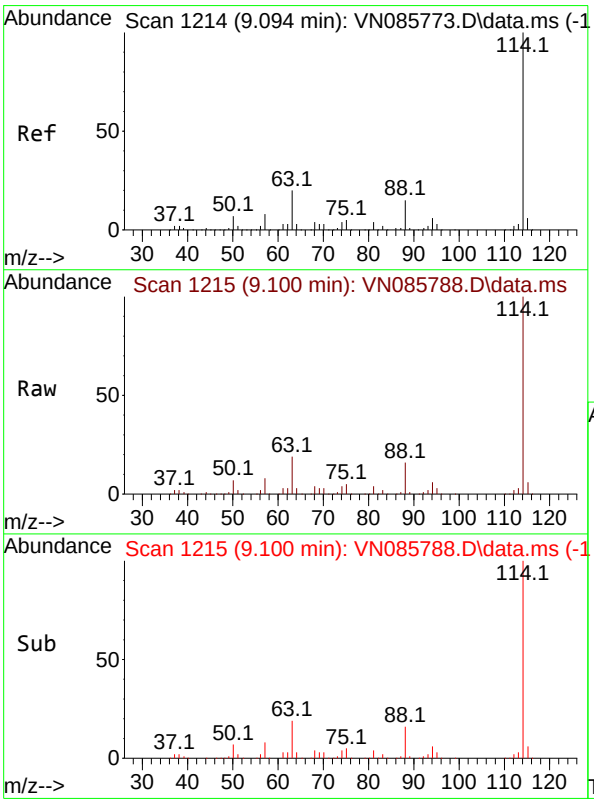
#33
1,2-Dichloroethane-d4
Concen: 55.636 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Tgt Ion: 65 Resp: 210670

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.2

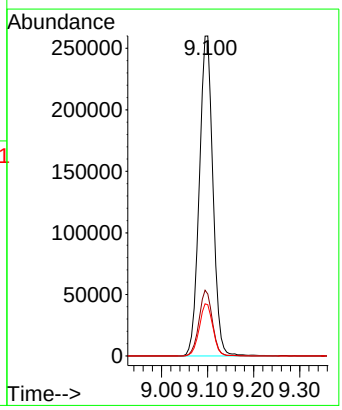


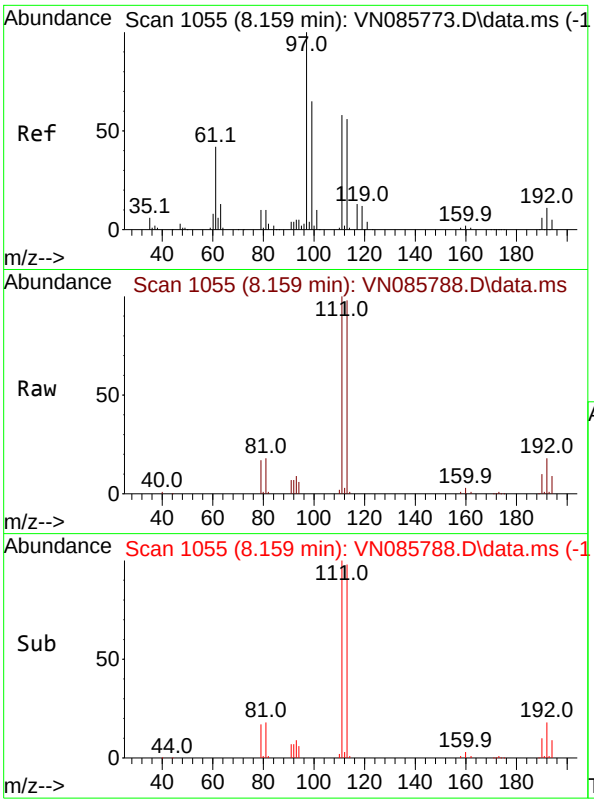


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion:114 Resp: 537683

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.2
88	16.0	0.0	30.0



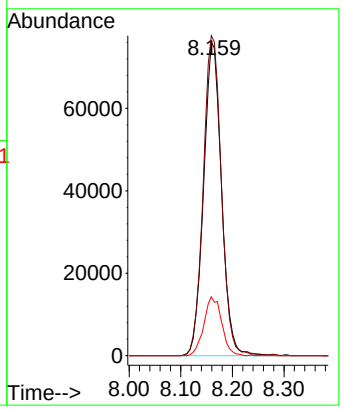


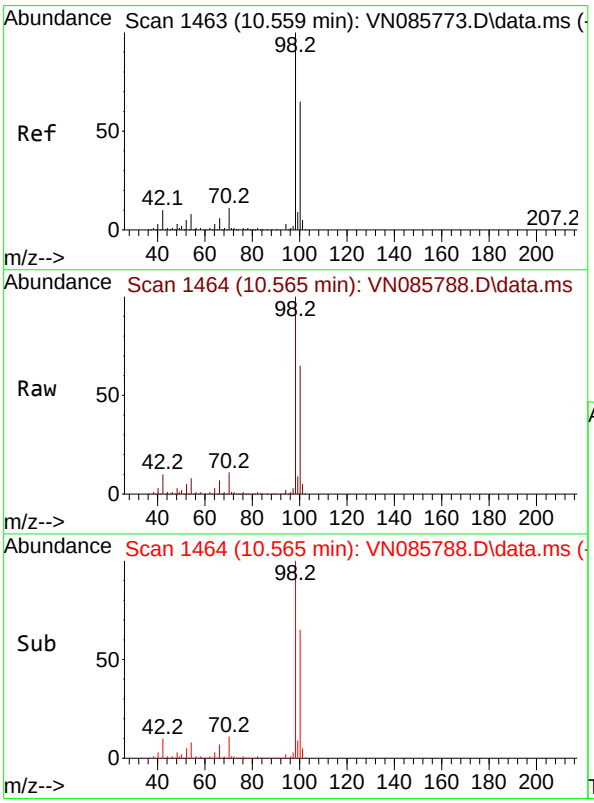
#35
Dibromofluoromethane
Concen: 51.999 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Tgt Ion:113 Resp: 182949

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	18.7	14.7	22.1

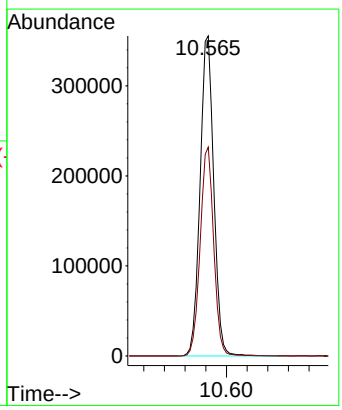


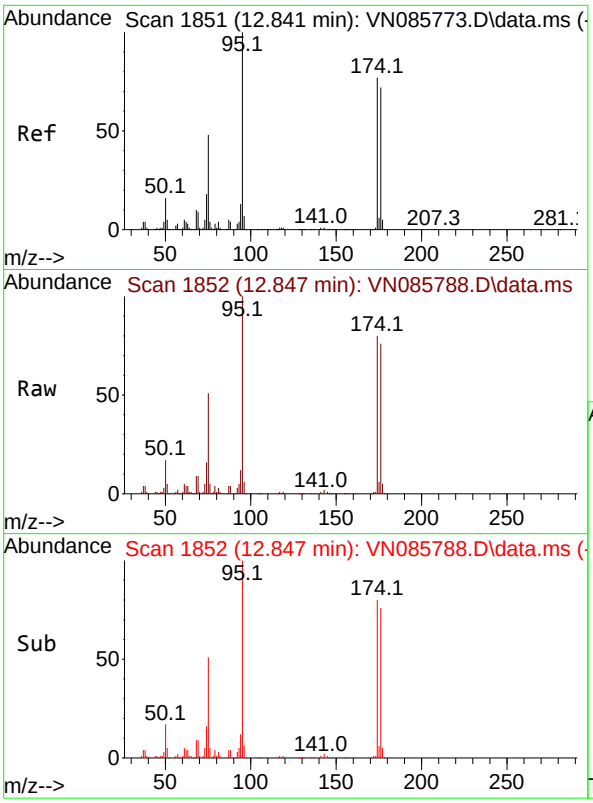


#50
Toluene-d8
Concen: 51.002 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion: 98 Resp: 652872

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



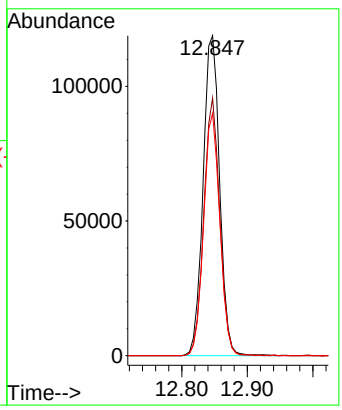


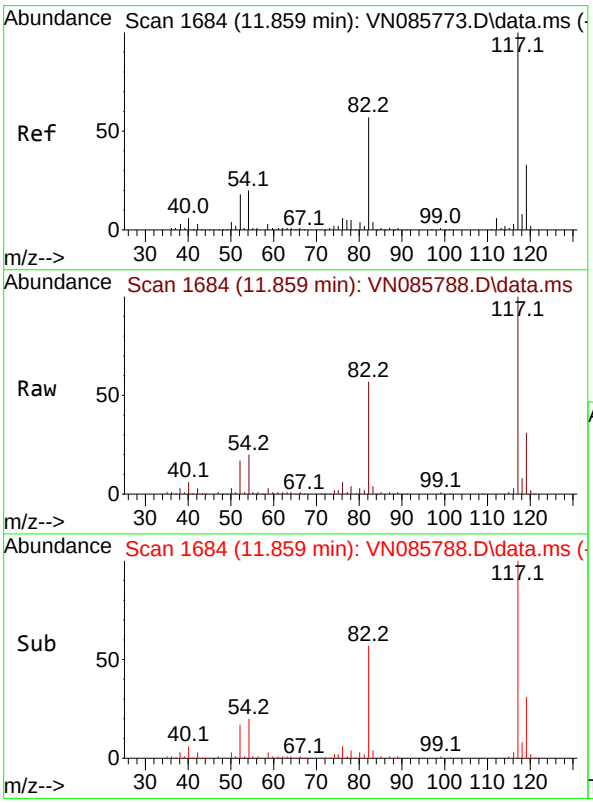
#62
4-Bromofluorobenzene
Concen: 49.451 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Tgt Ion: 95 Resp: 208565

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	152.4
176	74.2	0.0	146.6

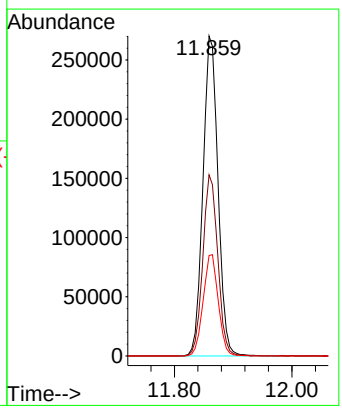


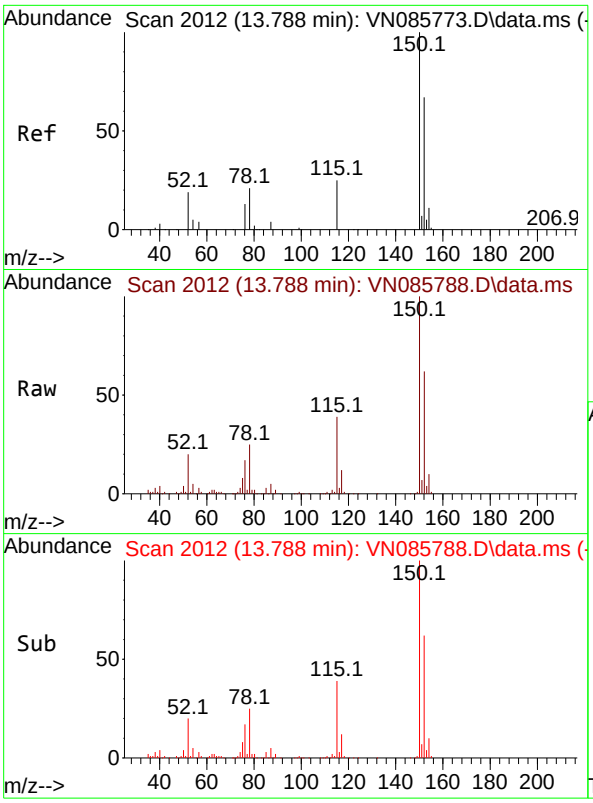


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion:117 Resp: 478583

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.7	68.5
119	31.4	26.2	39.2



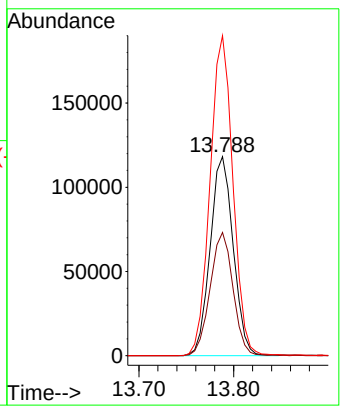


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Tgt Ion:152 Resp: 200119

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.4	91.3
150	159.6	0.0	345.4



Sample Results: **VN085788.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085788.D
Acq On : 19 Feb 2025 14:21
Operator : JC\MD
Sample : Q1380-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085788.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.159	1044	1055	1060	rBV	247878	596882	35.56%	6.942%
2	8.218	1060	1065	1081	rVB	400619	884956	52.73%	10.292%
3	8.577	1113	1126	1136	rBV	252785	577856	34.43%	6.721%
4	9.094	1203	1214	1227	rBV	603959	1236062	73.65%	14.376%
5	10.565	1455	1464	1478	rBV	906756	1678398	100.00%	19.520%
6	11.859	1676	1684	1699	rBV	805941	1430481	85.23%	16.637%
7	12.847	1844	1852	1863	rBV	569715	989498	58.95%	11.508%
8	13.788	2004	2012	2022	rBV	717229	1204094	71.74%	14.004%

Sum of corrected areas: 8598227

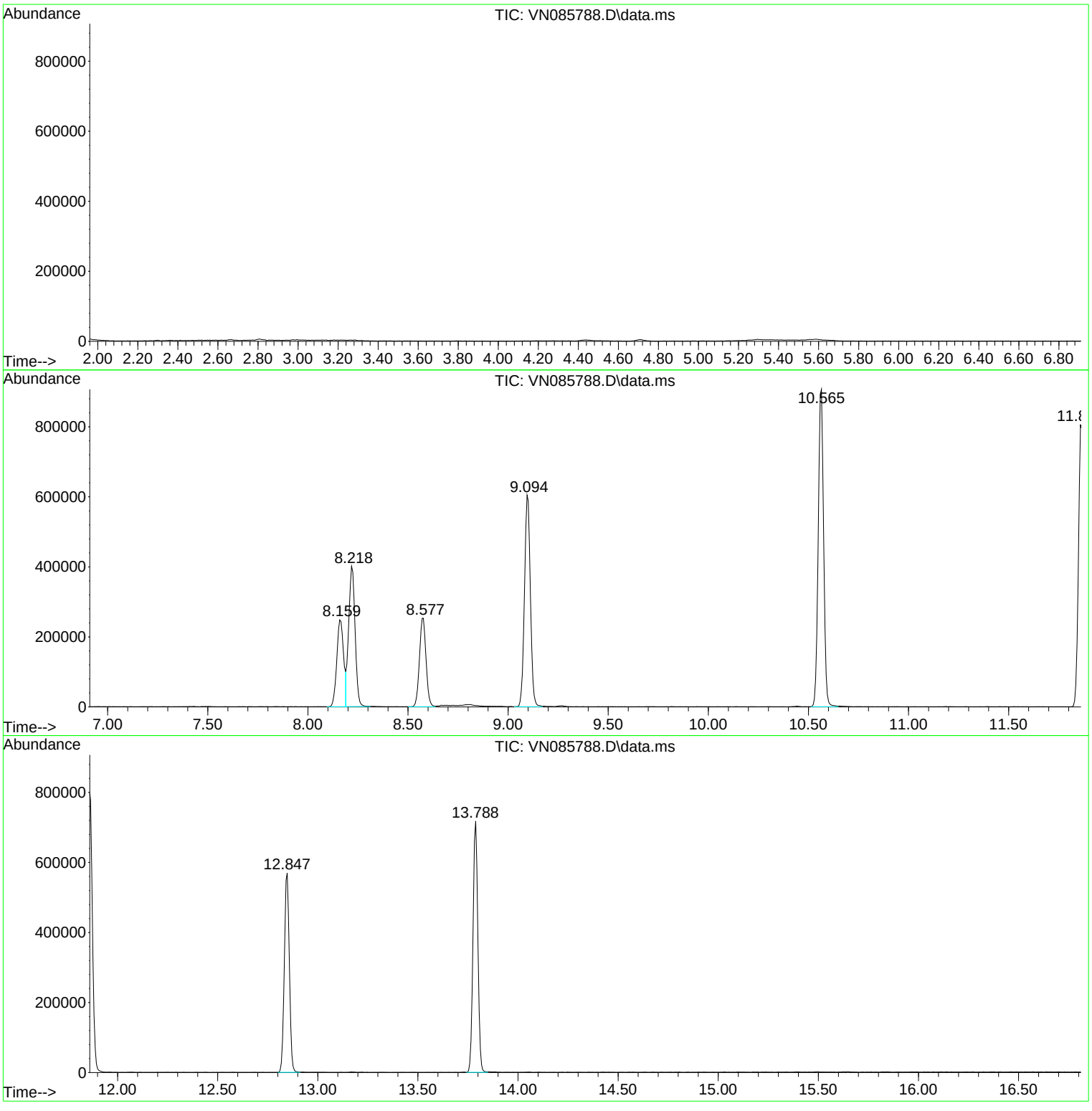
Sample Results: **VN085788.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085788.D
Acq On : 19 Feb 2025 14:21
Operator : JC\MD
Sample : Q1380-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085788.D
Acq On : 19 Feb 2025 14:21
Operator : JC\MD
Sample : Q1380-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085788.D
Acq On : 19 Feb 2025 14:21
Operator : JC\MD
Sample : Q1380-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-EB-20250212

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-TB-20250210	SDG No.:	Q1380
Lab Sample ID:	Q1380-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085789.D	1		02/19/25 14:45	VN021925

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-TB-20250210	SDG No.:	Q1380
Lab Sample ID:	Q1380-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085789.D	1		02/19/25 14:45	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.5		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	265000	8.224				
540-36-3	1,4-Difluorobenzene	488000	9.1				
3114-55-4	Chlorobenzene-d5	434000	11.859				
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-TB-20250210	SDG No.:	Q1380
Lab Sample ID:	Q1380-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085789.D	1		02/19/25 14:45	VN021925

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085789.D
Acq On : 19 Feb 2025 14:45
Operator : JC\MD
Sample : Q1380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Quant Time: Feb 20 00:48:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

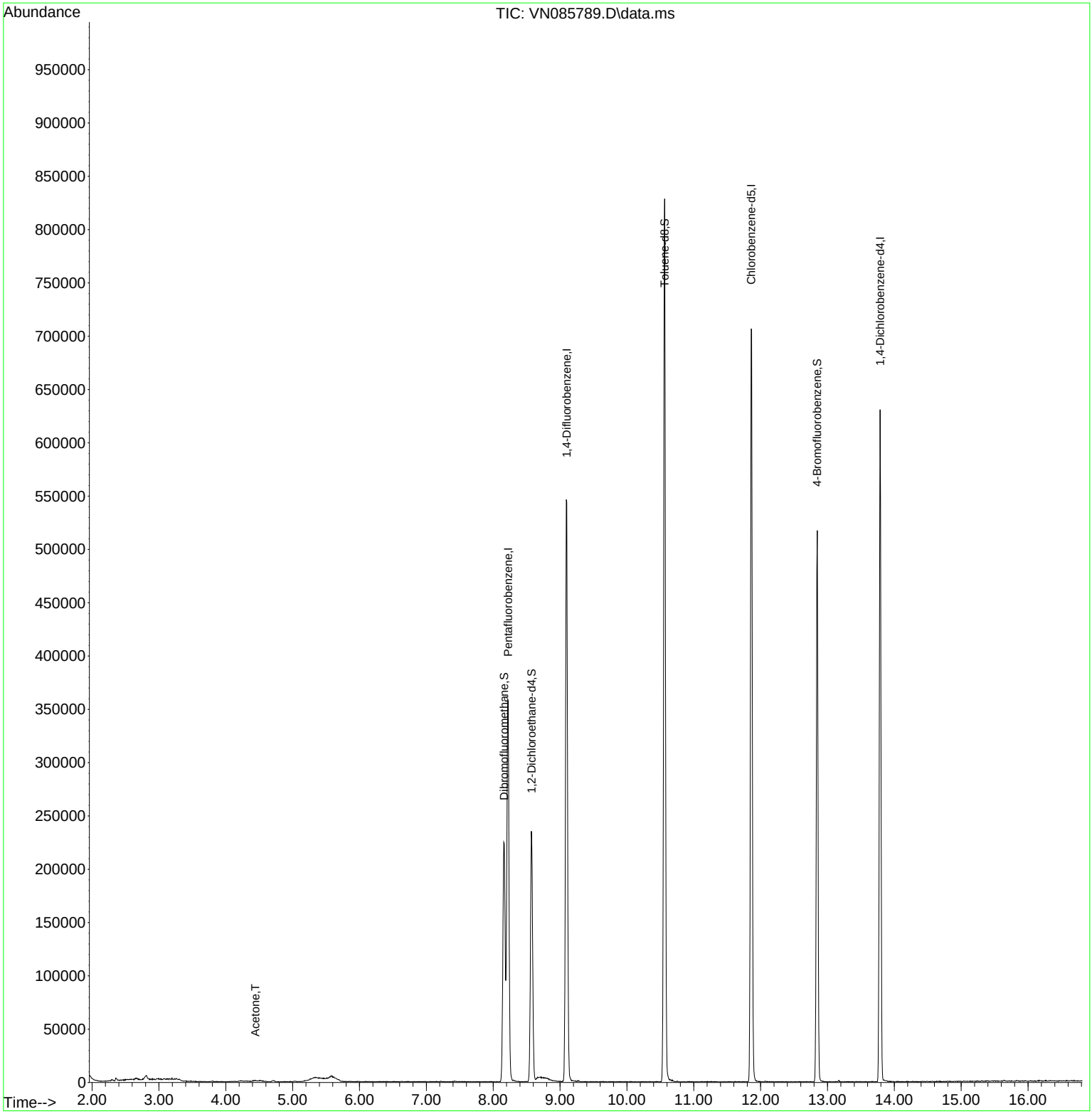
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	264567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	487878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	434147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	174960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	197282	57.516	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.040%			
35) Dibromofluoromethane	8.165	113	168807	52.877	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.760%			
50) Toluene-d8	10.565	98	589406	50.745	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.847	95	182780	47.762	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.520%			
Target Compounds						Qvalue
16) Acetone	4.442	43	1473	1.357	ug/l	88

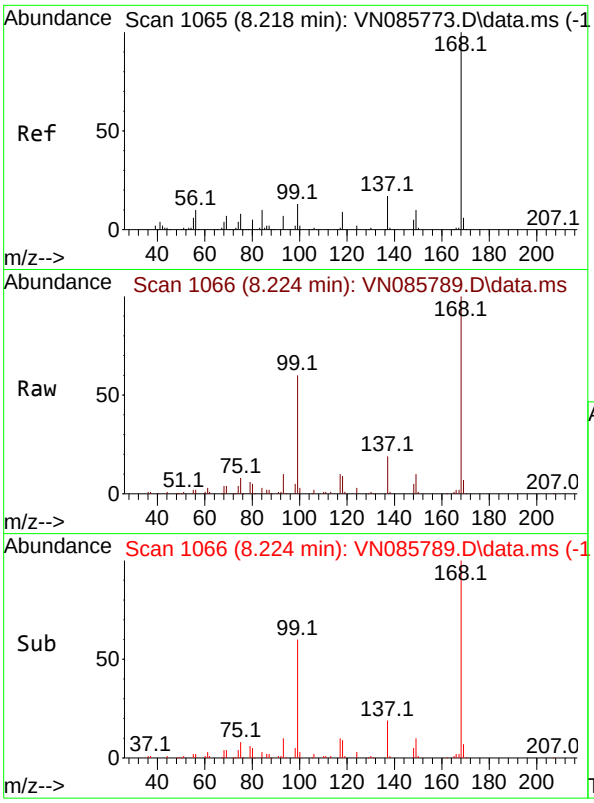
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085789.D
Acq On : 19 Feb 2025 14:45
Operator : JC\MD
Sample : Q1380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Quant Time: Feb 20 00:48:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



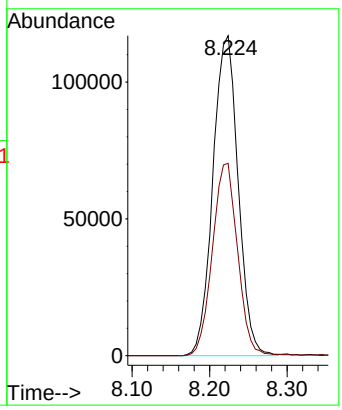


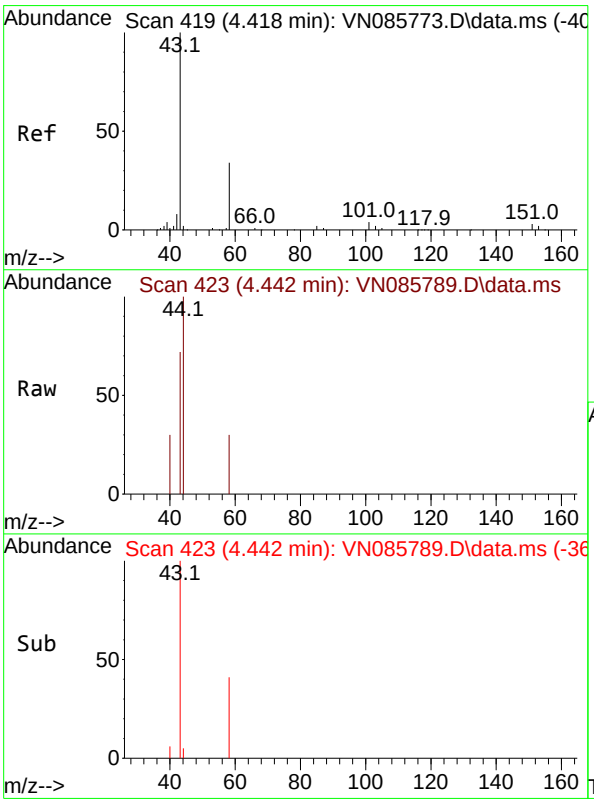
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Tgt Ion:168 Resp: 264567

Ion	Ratio	Lower	Upper
168	100		
99	60.1	47.9	71.9

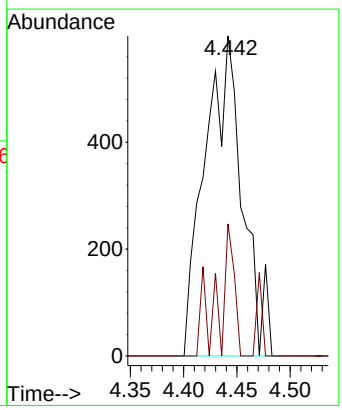


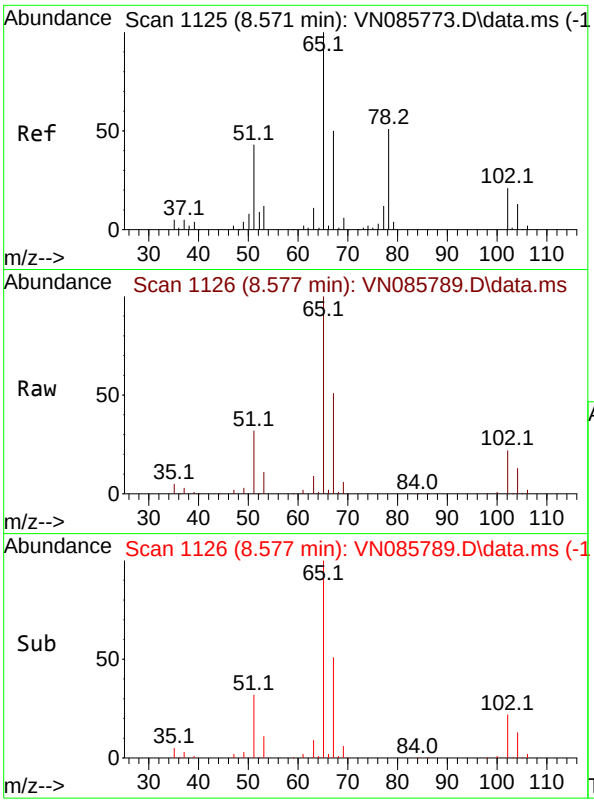


#16
Acetone
Concen: 1.357 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Tgt Ion: 43 Resp: 1473

Ion	Ratio	Lower	Upper
43	100		
58	41.2	27.5	41.3



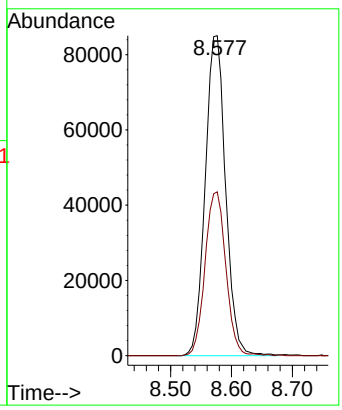


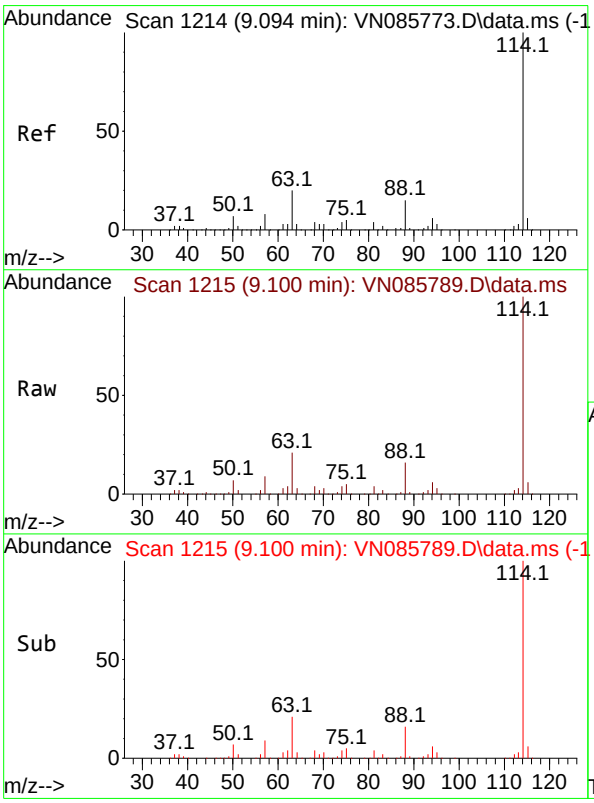
#33
1,2-Dichloroethane-d4
Concen: 57.516 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Tgt Ion: 65 Resp: 197282

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2

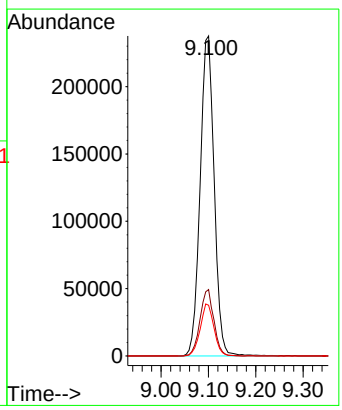


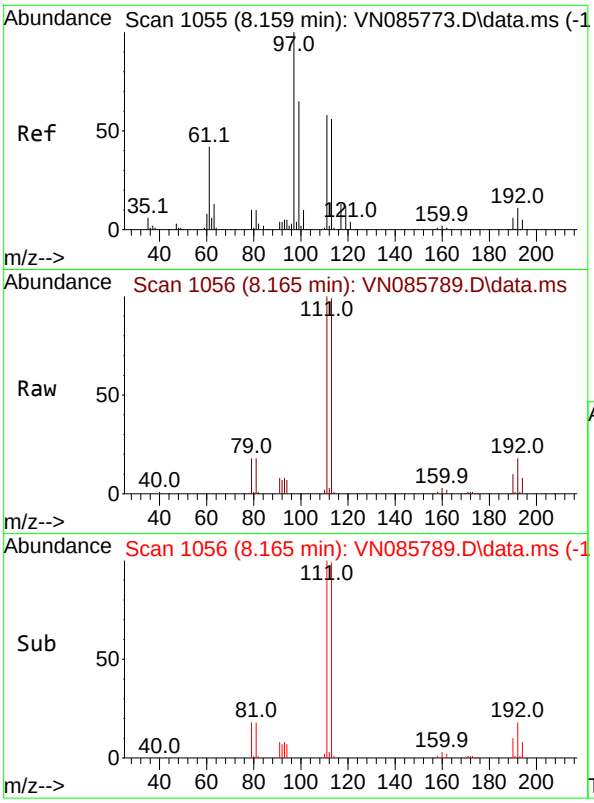


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Tgt Ion:114 Resp: 487878

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.2
88	15.9	0.0	30.0



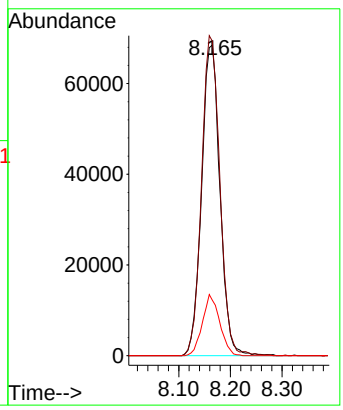


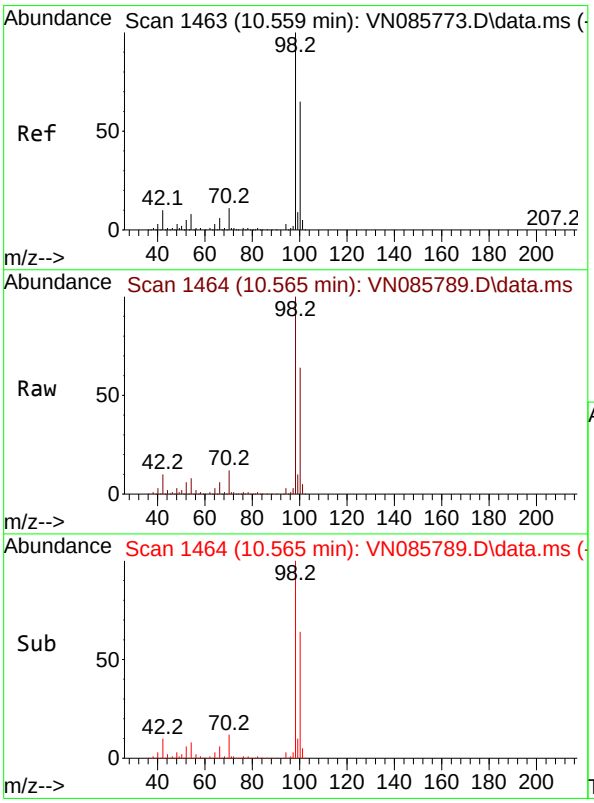
#35
Dibromofluoromethane
Concen: 52.877 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Tgt Ion:113 Resp: 168807

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	18.5	14.7	22.1

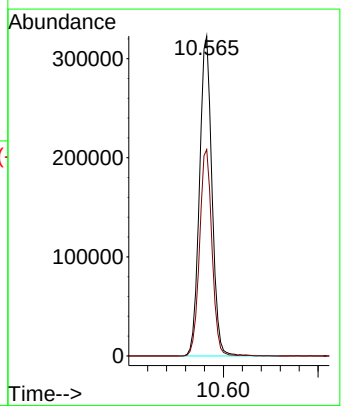


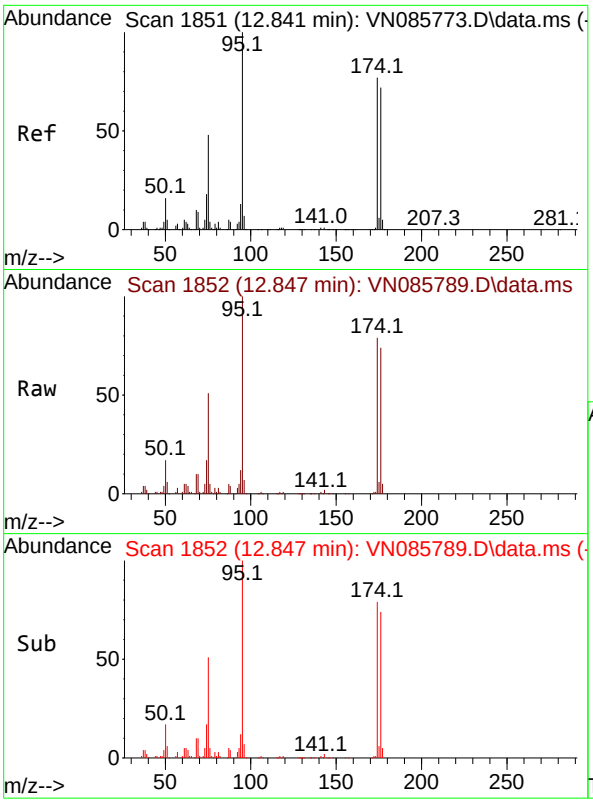


#50
Toluene-d8
Concen: 50.745 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Tgt Ion: 98 Resp: 589406

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1



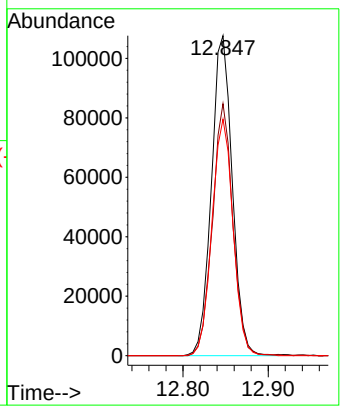


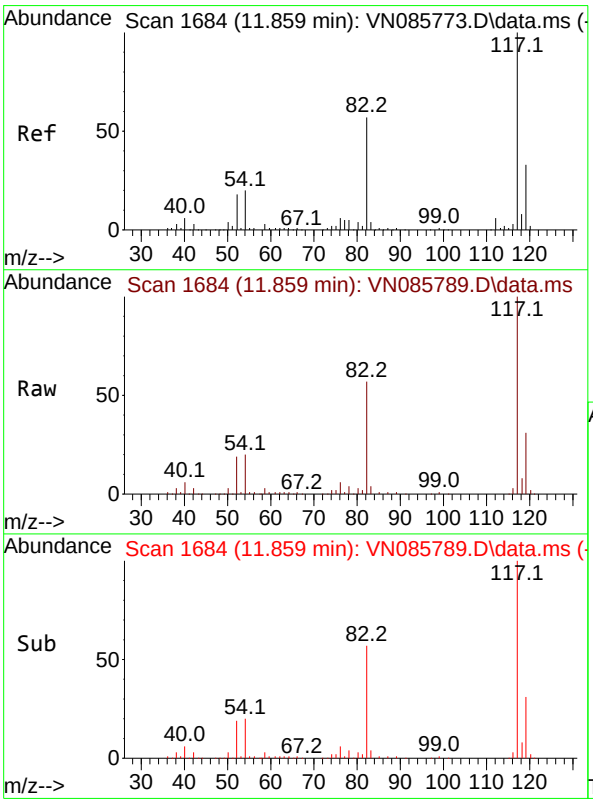
#62
4-Bromofluorobenzene
Concen: 47.762 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Tgt Ion: 95 Resp: 182780

Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	152.4
176	74.9	0.0	146.6

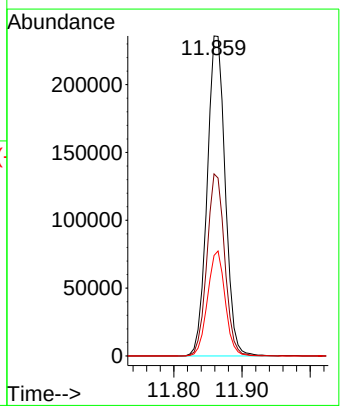


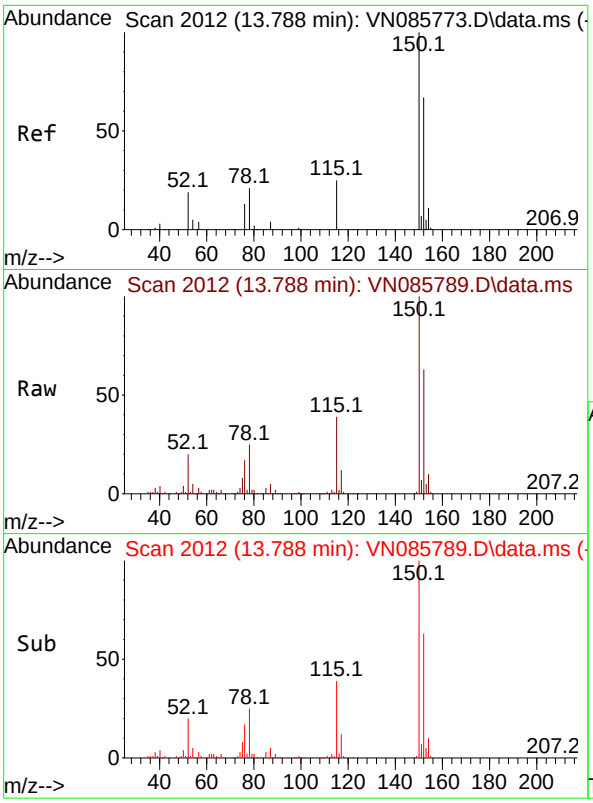


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Tgt Ion:117 Resp: 434147

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.7	68.5
119	31.4	26.2	39.2



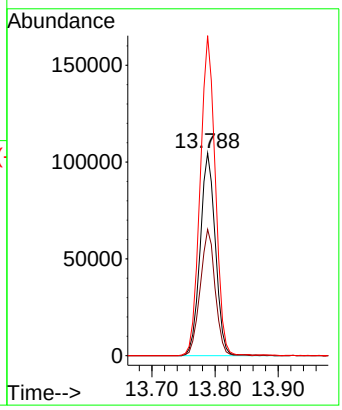


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085789.D
Acq: 19 Feb 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Tgt Ion:152 Resp: 174960

Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.4	91.3
150	157.5	0.0	345.4



Sample Results: **VN085789.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085789.D
Acq On : 19 Feb 2025 14:45
Operator : JC\MD
Sample : Q1380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085789.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.159	1046	1055	1060	rBV	224507	544312	36.01%	7.016%
2	8.224	1060	1066	1078	rVB	356627	807868	53.45%	10.413%
3	8.571	1116	1125	1136	rBV	234996	538369	35.62%	6.940%
4	9.094	1202	1214	1228	rBV	546093	1129533	74.73%	14.560%
5	10.565	1455	1464	1477	rBV	828345	1511500	100.00%	19.483%
6	11.859	1676	1684	1696	rBV	705861	1298247	85.89%	16.734%
7	12.847	1840	1852	1863	rBV	517241	879854	58.21%	11.341%
8	13.788	2004	2012	2020	rBV	630426	1048267	69.35%	13.512%

Sum of corrected areas: 7757950

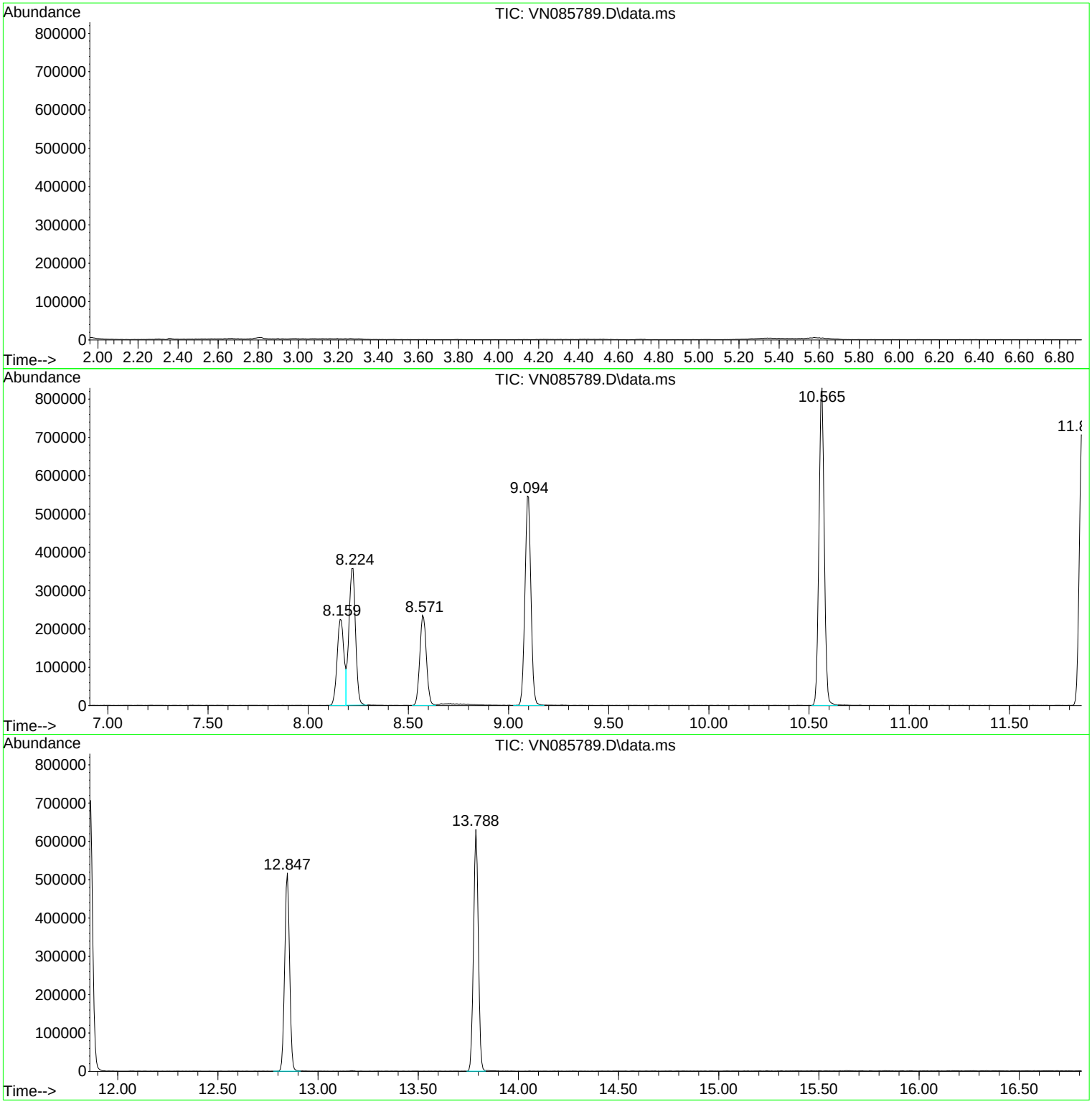
Sample Results: **VN085789.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085789.D
Acq On : 19 Feb 2025 14:45
Operator : JC\MD
Sample : Q1380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085789.D
Acq On : 19 Feb 2025 14:45
Operator : JC\MD
Sample : Q1380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085789.D
Acq On : 19 Feb 2025 14:45
Operator : JC\MD
Sample : Q1380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-TB-20250210

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-725-727	SDG No.:	Q1380
Lab Sample ID:	Q1380-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	7.4
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021241.D	1		02/19/25 16:59	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	33.4	UQ	15.5	33.4	66.9	ug/Kg
75-01-4	Vinyl Chloride	33.4	UQ	10.3	33.4	66.9	ug/Kg
74-83-9	Bromomethane	53.5	U	13.8	53.5	66.9	ug/Kg
75-00-3	Chloroethane	33.4	UQ	13.5	33.4	66.9	ug/Kg
75-69-4	Trichlorofluoromethane	53.5	U	12.2	53.5	66.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	33.4	U	14.3	33.4	66.9	ug/Kg
75-35-4	1,1-Dichloroethene	33.4	U	10.4	33.4	66.9	ug/Kg
67-64-1	Acetone	130	J	83.5	270	330	ug/Kg
75-15-0	Carbon Disulfide	53.5	U	17.1	53.5	66.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	33.4	UM	9.00	33.4	66.9	ug/Kg
75-09-2	Methylene Chloride	110	U	45.6	110	130	ug/Kg
156-60-5	trans-1,2-Dichloroethene	33.4	U	11.2	33.4	66.9	ug/Kg
75-34-3	1,1-Dichloroethane	33.4	U	8.40	33.4	66.9	ug/Kg
78-93-3	2-Butanone	270	U	76.0	270	330	ug/Kg
56-23-5	Carbon Tetrachloride	33.4	U	11.6	33.4	66.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	33.4	U	8.20	33.4	66.9	ug/Kg
67-66-3	Chloroform	53.5	U	9.00	53.5	66.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	33.4	U	10.4	33.4	66.9	ug/Kg
108-87-2	Methylcyclohexane	33.4	UM	11.6	33.4	66.9	ug/Kg
71-43-2	Benzene	33.4	U	9.60	33.4	66.9	ug/Kg
107-06-2	1,2-Dichloroethane	33.4	U	8.20	33.4	66.9	ug/Kg
79-01-6	Trichloroethene	33.4	UM	10.0	33.4	66.9	ug/Kg
78-87-5	1,2-Dichloropropane	33.4	U	8.80	33.4	66.9	ug/Kg
75-27-4	Bromodichloromethane	33.4	U	7.50	33.4	66.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	170	U	58.2	170	330	ug/Kg
108-88-3	Toluene	33.4	U	9.00	33.4	66.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	33.4	U	8.00	33.4	66.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	33.4	U	7.60	33.4	66.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	33.4	U	11.2	33.4	66.9	ug/Kg
591-78-6	2-Hexanone	170	U	64.1	170	330	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-725-727	SDG No.:	Q1380
Lab Sample ID:	Q1380-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	7.4
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021241.D	1		02/19/25 16:59	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	33.4	U	8.70	33.4	66.9	ug/Kg
127-18-4	Tetrachloroethene	33.4	UM	11.9	33.4	66.9	ug/Kg
108-90-7	Chlorobenzene	33.4	UM	9.90	33.4	66.9	ug/Kg
100-41-4	Ethyl Benzene	33.4	UM	8.30	33.4	66.9	ug/Kg
179601-23-1	m/p-Xylenes	66.9	UM	18.1	66.9	130	ug/Kg
95-47-6	o-Xylene	33.4	UM	9.40	33.4	66.9	ug/Kg
100-42-5	Styrene	33.4	UM	8.00	33.4	66.9	ug/Kg
75-25-2	Bromoform	33.4	U	10.8	33.4	66.9	ug/Kg
98-82-8	Isopropylbenzene	33.4	U	9.00	33.4	66.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	33.4	UM	14.7	33.4	66.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	33.4	UM	9.90	33.4	66.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	33.4	UM	10.7	33.4	66.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	33.4	UM	7.90	33.4	66.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	66.6		71 - 136		133%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.3		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		79 - 119		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	224000	7.713				
540-36-3	1,4-Difluorobenzene	425000	8.622				
3114-55-4	Chlorobenzene-d5	405000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.353				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-725-727	SDG No.:	Q1380
Lab Sample ID:	Q1380-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	7.4
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021241.D	1		02/19/25 16:59	VY021925

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021241.D
Acq On : 19 Feb 2025 16:59
Operator : SY/MD
Sample : Q1380-06
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Quant Time: Feb 20 00:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

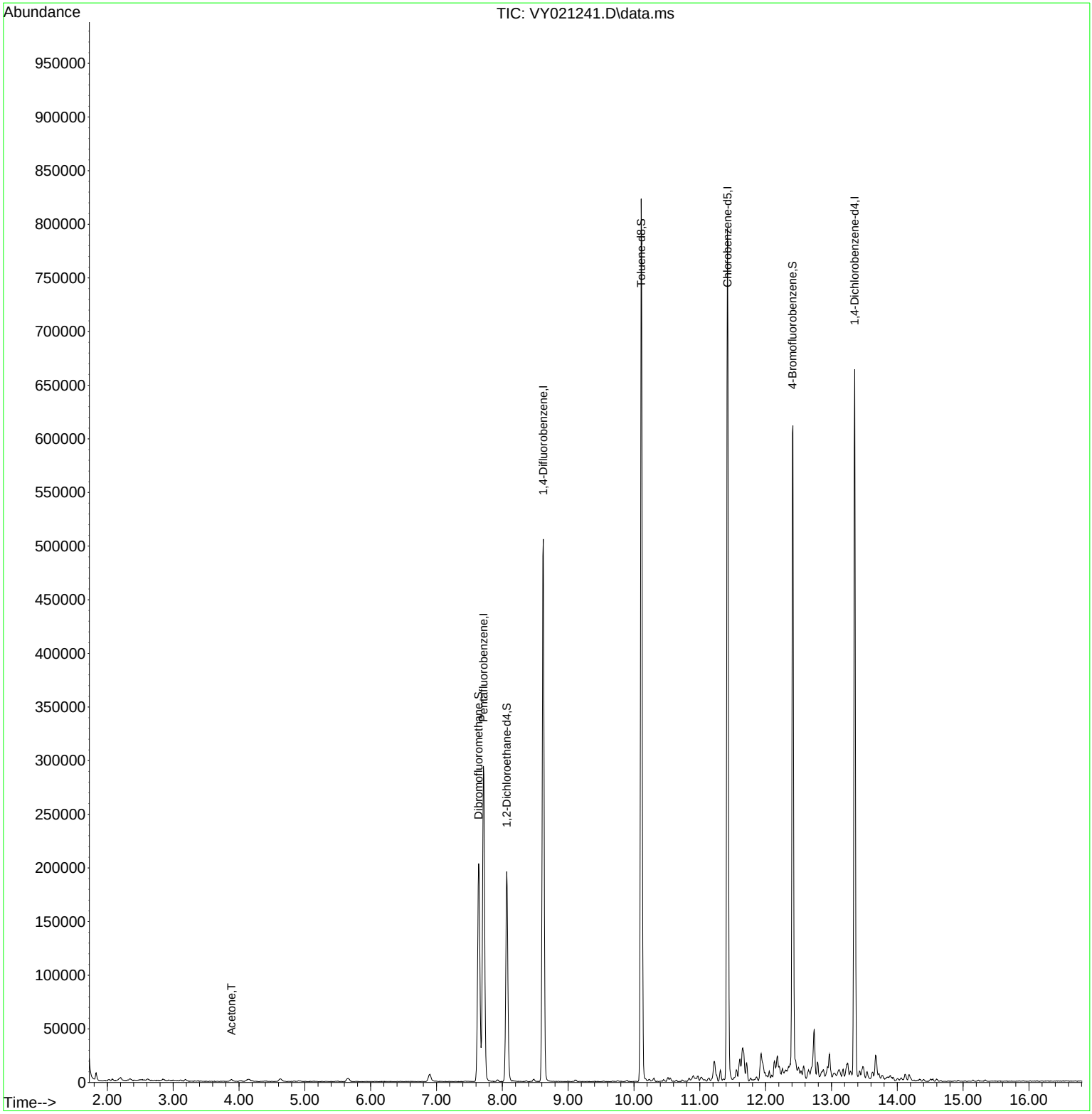
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	223938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	424683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	405408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	161420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	152740	66.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.140%			
35) Dibromofluoromethane	7.640	113	145077	53.305	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.600%			
50) Toluene-d8	10.109	98	520865	50.269	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.408	95	181908	53.739	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.480%			
Target Compounds						Qvalue
16) Acetone	3.885	43	3459	9.667	ug/l #	83

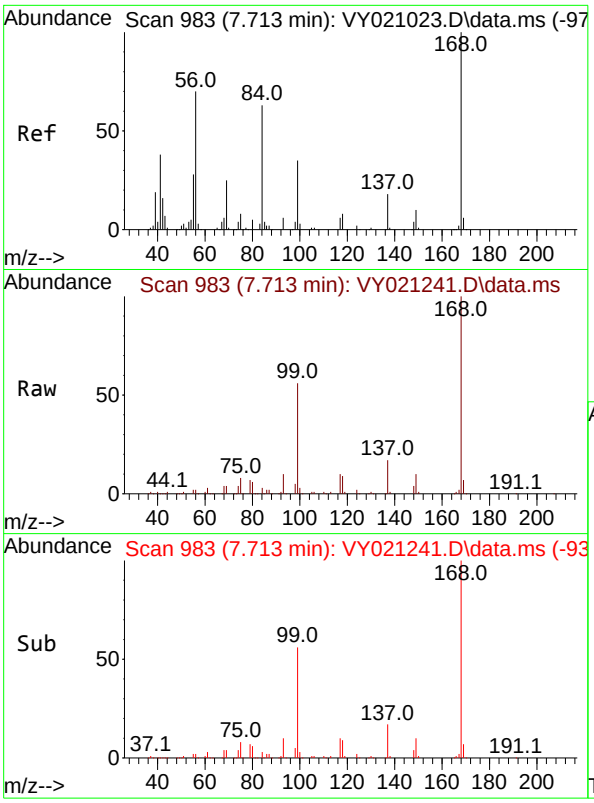
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021241.D
Acq On : 19 Feb 2025 16:59
Operator : SY/MD
Sample : Q1380-06
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Quant Time: Feb 20 00:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



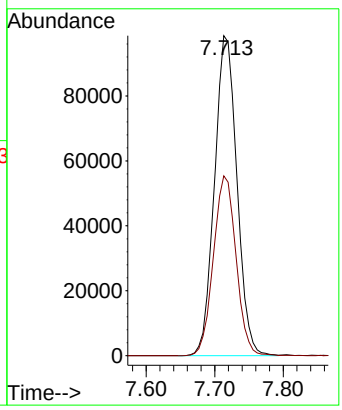


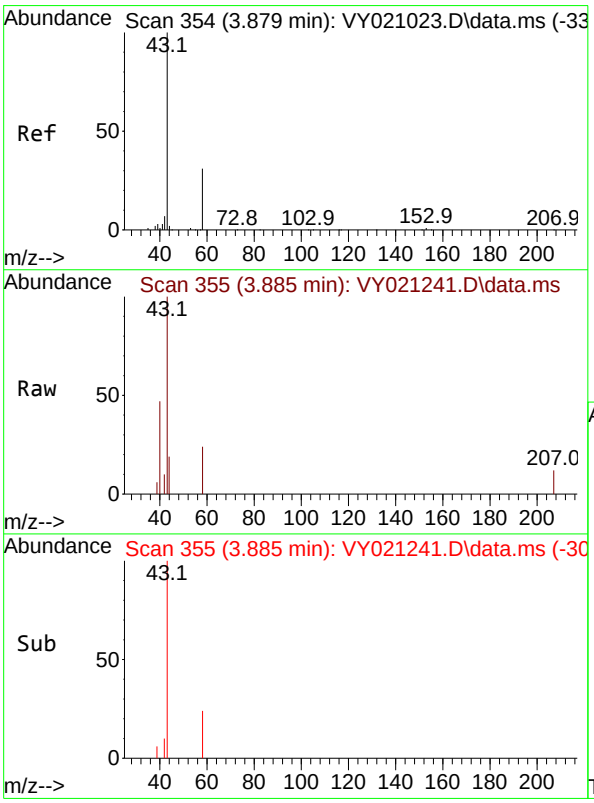
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Tgt Ion:168 Resp: 223938

Ion	Ratio	Lower	Upper
168	100		
99	56.2	44.2	66.4

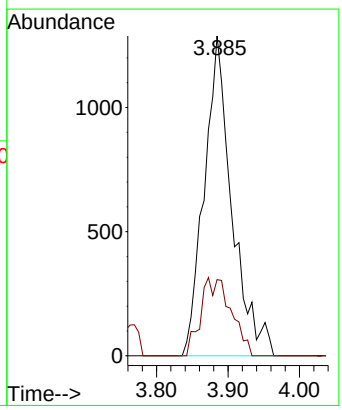


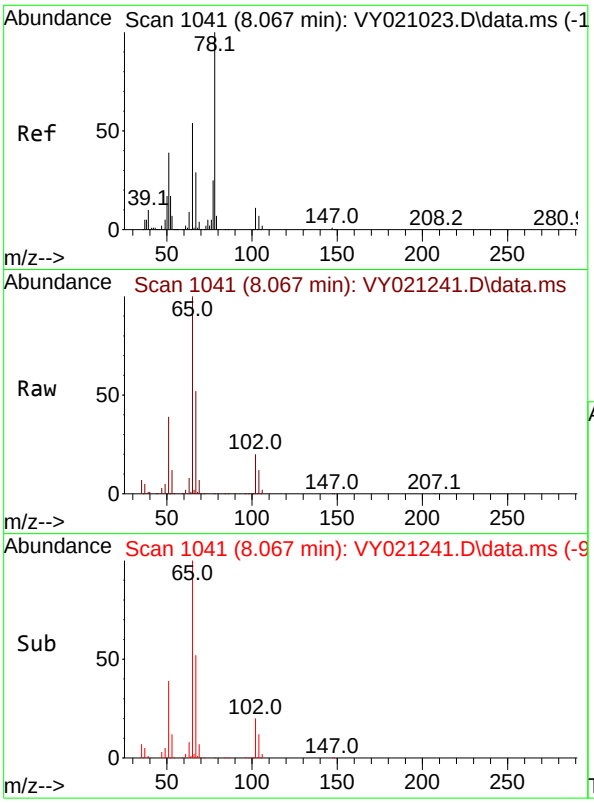


#16
Acetone
Concen: 9.667 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Tgt Ion: 43 Resp: 3459

Ion	Ratio	Lower	Upper
43	100		
58	23.8	26.6	39.8#



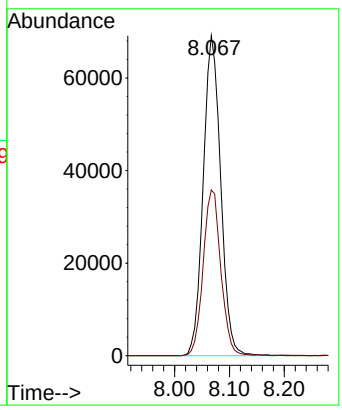


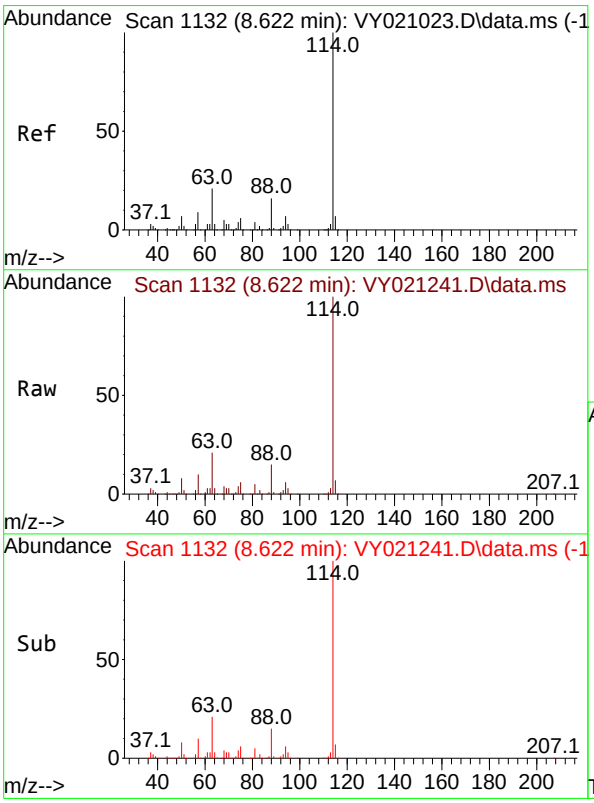
#33
1,2-Dichloroethane-d4
Concen: 66.570 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Tgt Ion: 65 Resp: 152740

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	109.0

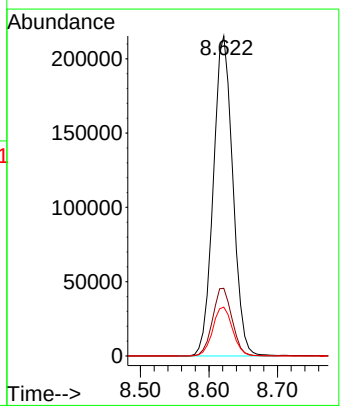


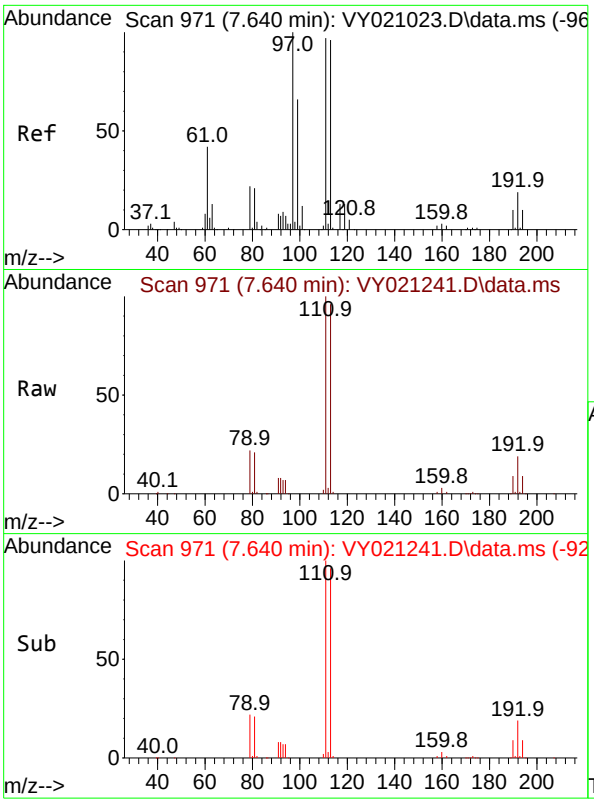


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Tgt Ion:114 Resp: 424683

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	37.4
88	15.3	0.0	29.0



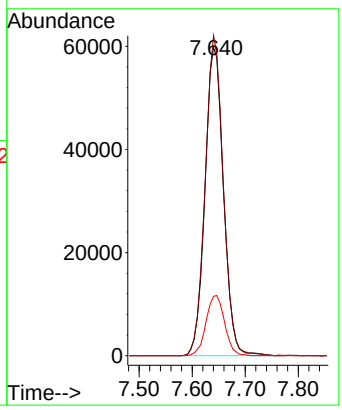


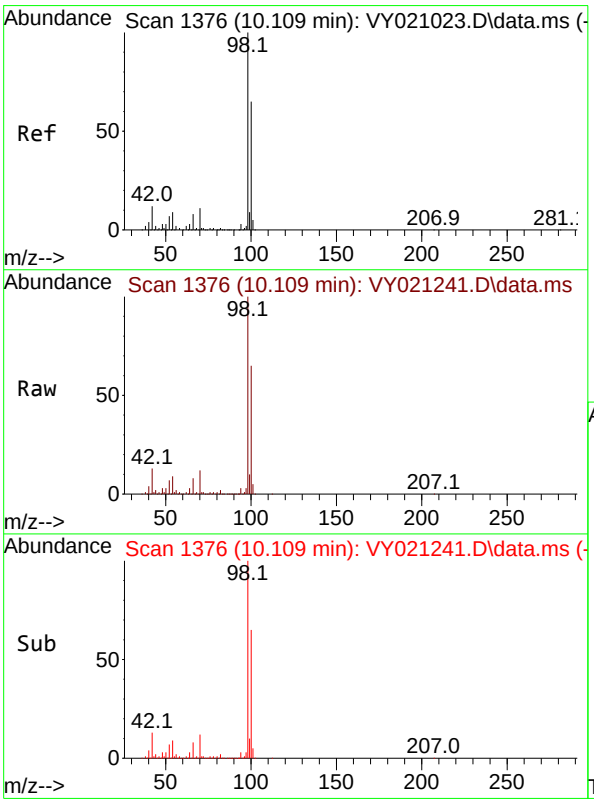
#35
Dibromofluoromethane
Concen: 53.305 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Tgt Ion:113 Resp: 145077

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.8	125.6
192	19.6	14.5	21.7

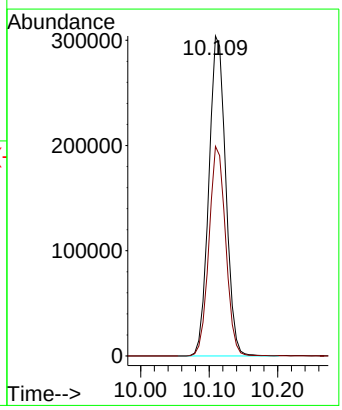


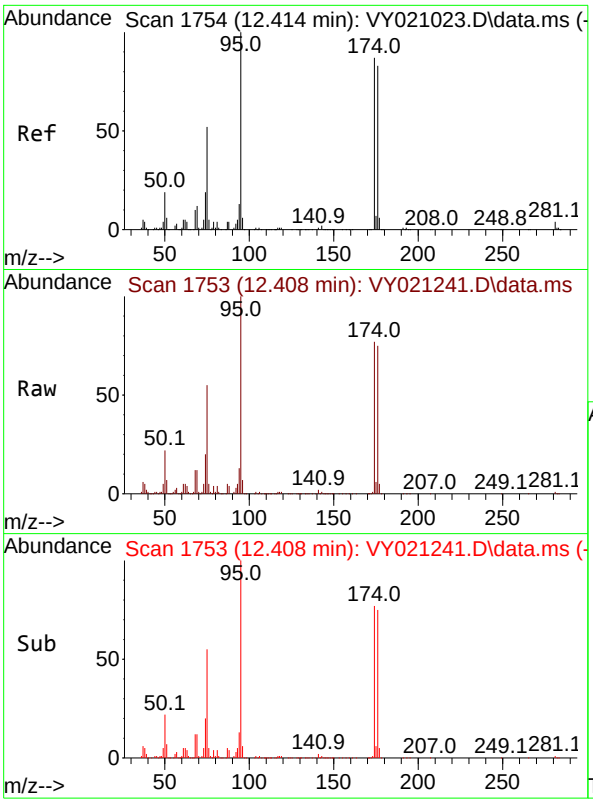


#50
Toluene-d8
Concen: 50.269 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Tgt Ion: 98 Resp: 520865

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.3	78.5



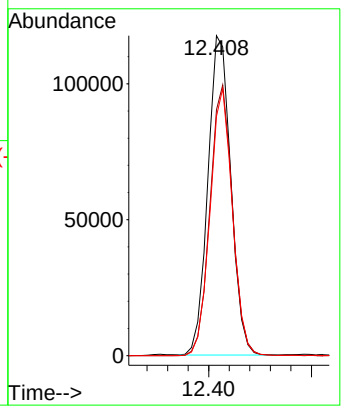


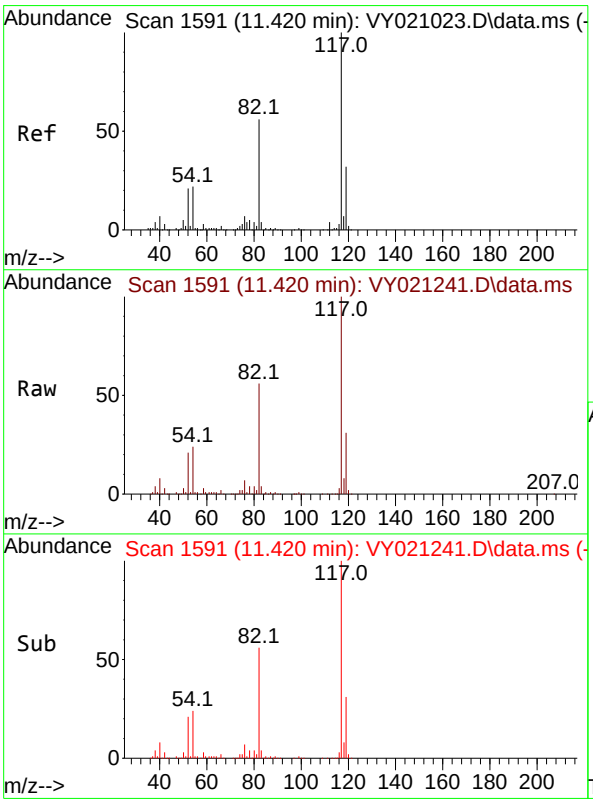
#62
4-Bromofluorobenzene
Concen: 53.739 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Tgt Ion: 95 Resp: 181908

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	160.0
176	81.5	0.0	151.8

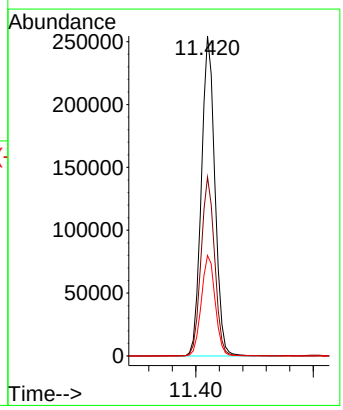


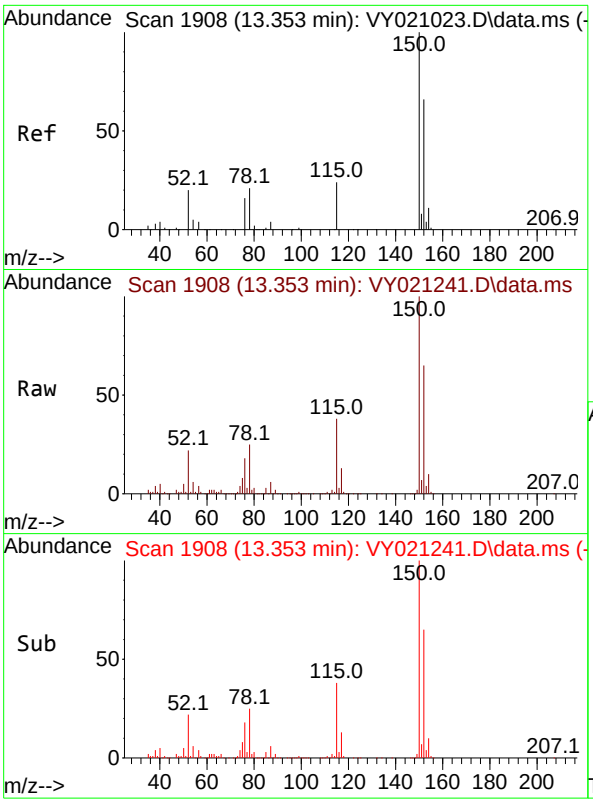


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Tgt Ion:117 Resp: 405408

Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.8	65.8
119	31.4	26.5	39.7



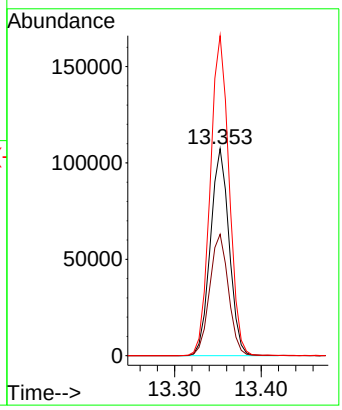


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021241.D
Acq: 19 Feb 2025 16:59

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Tgt Ion:152 Resp: 161420

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.0
150	155.1	0.0	344.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021241.D
Acq On : 19 Feb 2025 16:59
Operator : SY/MD
Sample : Q1380-06
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021241.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.902	839	850	858	rBV	6835	20963	1.49%	0.266%
2	7.640	962	971	977	rBV	202980	482513	34.25%	6.117%
3	7.713	977	983	996	rVB	293443	668800	47.47%	8.478%
4	8.067	1031	1041	1054	rBV	196009	432696	30.71%	5.485%
5	8.622	1123	1132	1144	rBV	505602	1005197	71.35%	12.742%
6	10.109	1366	1376	1391	rBV	823019	1408824	100.00%	17.859%
7	11.219	1549	1558	1568	rVB4	18579	51209	3.63%	0.649%
8	11.310	1568	1573	1578	rBV2	10415	16560	1.18%	0.210%
9	11.420	1584	1591	1603	rBV	793513	1274819	90.49%	16.160%
10	11.609	1617	1622	1624	rVV2	18010	33001	2.34%	0.418%
11	11.652	1624	1629	1636	rVV5	29834	84590	6.00%	1.072%
12	11.713	1636	1639	1644	rVB2	17051	25850	1.83%	0.328%
13	11.932	1668	1675	1683	rBV4	25009	77646	5.51%	0.984%
14	12.133	1704	1708	1711	rBV4	14797	25190	1.79%	0.319%
15	12.176	1711	1715	1719	rVV3	12216	21751	1.54%	0.276%
16	12.414	1745	1754	1760	rBV	597639	941970	66.86%	11.941%
17	12.578	1777	1781	1787	rVB5	11522	21418	1.52%	0.272%
18	12.651	1787	1793	1797	rBV7	7965	17511	1.24%	0.222%
19	12.737	1797	1807	1812	rVV4	44840	98574	7.00%	1.250%
20	12.786	1812	1815	1820	rVB3	13679	21019	1.49%	0.266%
21	12.938	1834	1840	1842	rBV3	8804	14749	1.05%	0.187%
22	12.968	1842	1845	1852	rVB4	21318	35475	2.52%	0.450%
23	13.115	1863	1869	1875	rVB7	6338	15910	1.13%	0.202%
24	13.243	1883	1890	1894	rBV6	12234	29271	2.08%	0.371%
25	13.353	1901	1908	1916	rVB	659189	1002116	71.13%	12.703%
26	13.474	1923	1928	1935	rVB5	10406	24977	1.77%	0.317%
27	13.670	1955	1960	1966	rBV4	19258	36046	2.56%	0.457%

Sum of corrected areas: 7888645

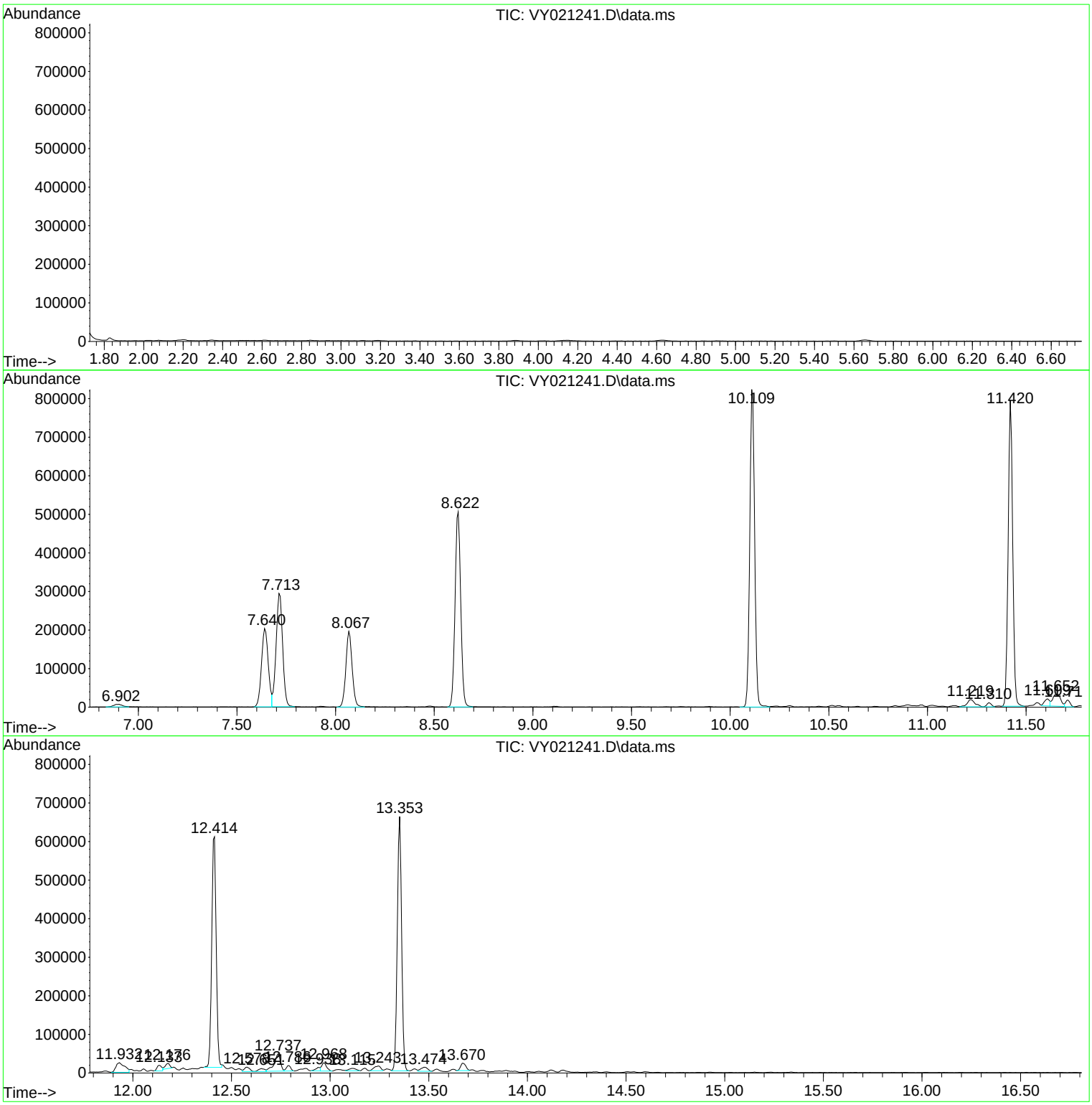
Sample Results: **VY021241.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021241.D
Acq On : 19 Feb 2025 16:59
Operator : SY/MD
Sample : Q1380-06
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021241.D
Acq On : 19 Feb 2025 16:59
Operator : SY/MD
Sample : Q1380-06
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021241.D
Acq On : 19 Feb 2025 16:59
Operator : SY/MD
Sample : Q1380-06
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/13/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-780-782	SDG No.:	Q1380
Lab Sample ID:	Q1380-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085790.D	1		02/19/25 15:08	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	9.50		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	1.90	J	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/13/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-780-782	SDG No.:	Q1380
Lab Sample ID:	Q1380-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085790.D	1		02/19/25 15:08	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.5		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	260000	8.218				
540-36-3	1,4-Difluorobenzene	471000	9.1				
3114-55-4	Chlorobenzene-d5	404000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/13/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-780-782	SDG No.:	Q1380
Lab Sample ID:	Q1380-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085790.D	1		02/19/25 15:08	VN021925

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085790.D
Acq On : 19 Feb 2025 15:08
Operator : JC\MD
Sample : Q1380-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Quant Time: Feb 20 00:49:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

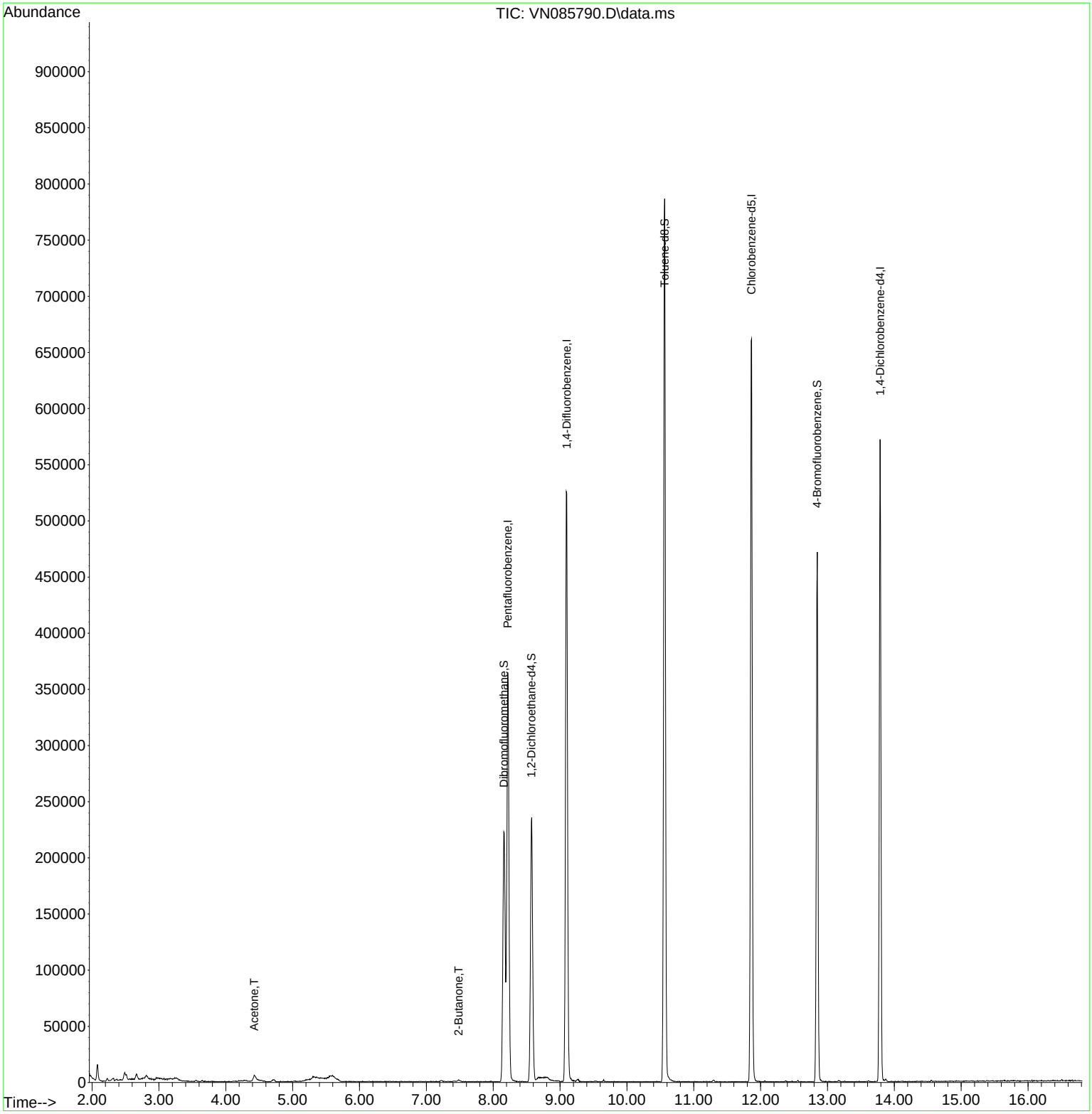
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	259651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	470979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	403744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	193493	57.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.960%			
35) Dibromofluoromethane	8.159	113	164754	53.459	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.920%			
50) Toluene-d8	10.565	98	566832	50.552	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.847	95	169080	45.767	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.540%			
Target Compounds						Qvalue
16) Acetone	4.424	43	10115	9.496	ug/l	98
25) 2-Butanone	7.483	43	2991	1.909	ug/l #	88

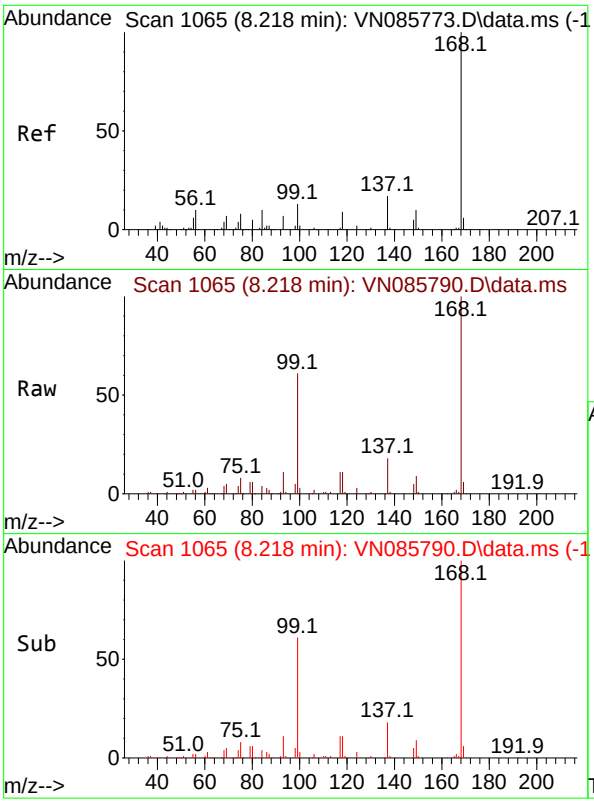
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085790.D
Acq On : 19 Feb 2025 15:08
Operator : JC\MD
Sample : Q1380-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Quant Time: Feb 20 00:49:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



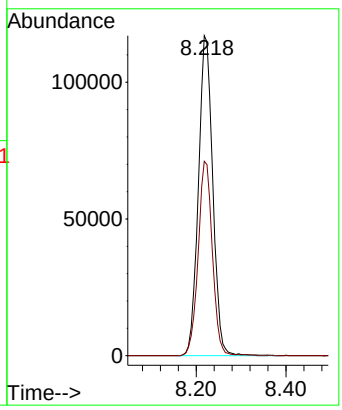


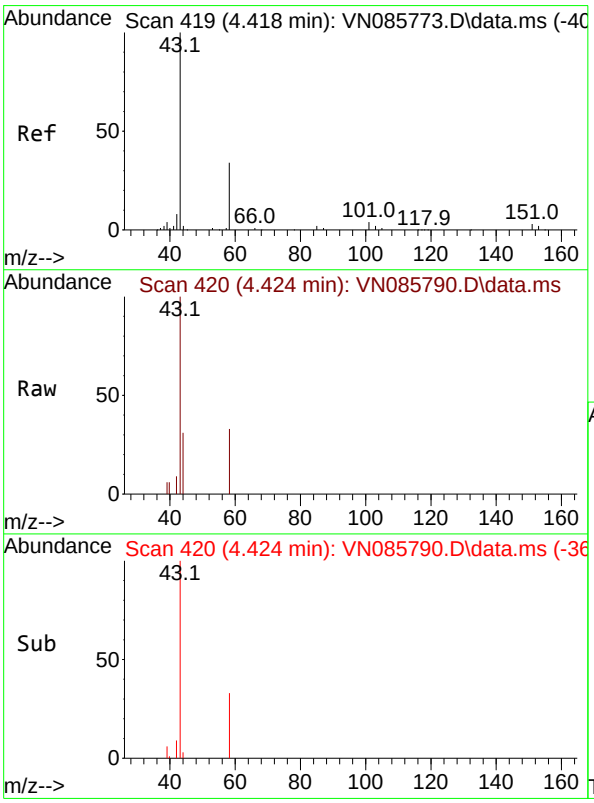
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Tgt Ion:168 Resp: 259651

Ion	Ratio	Lower	Upper
168	100		
99	60.8	47.9	71.9

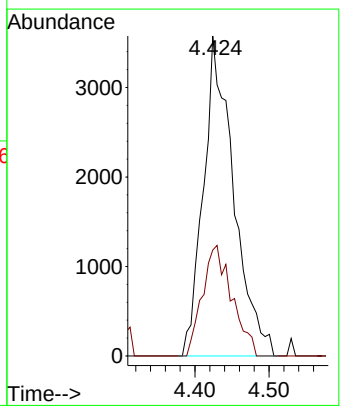


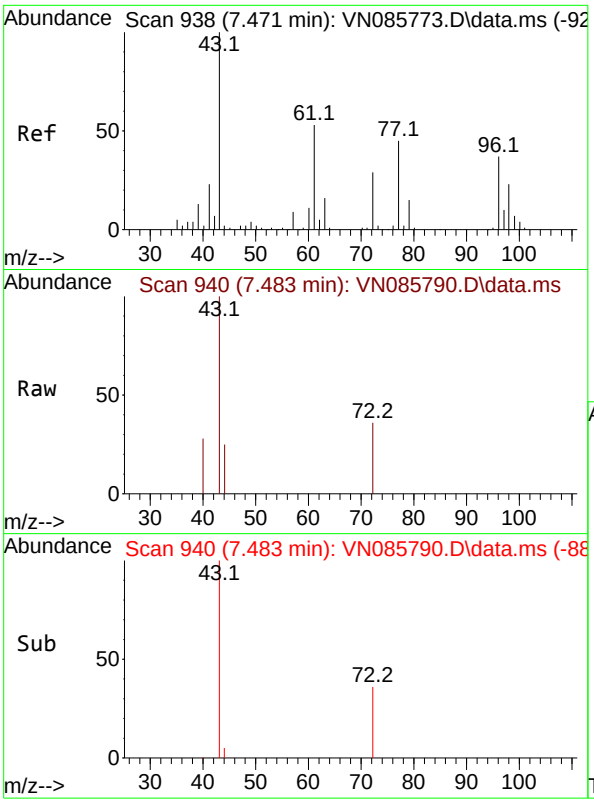


#16
Acetone
Concen: 9.496 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Tgt Ion: 43 Resp: 10115

Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.5	41.3



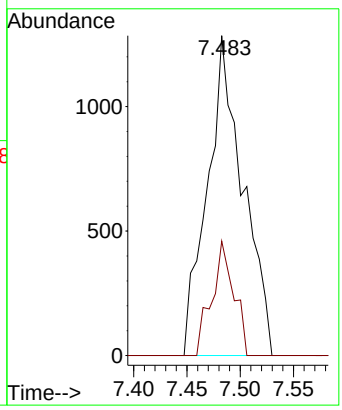


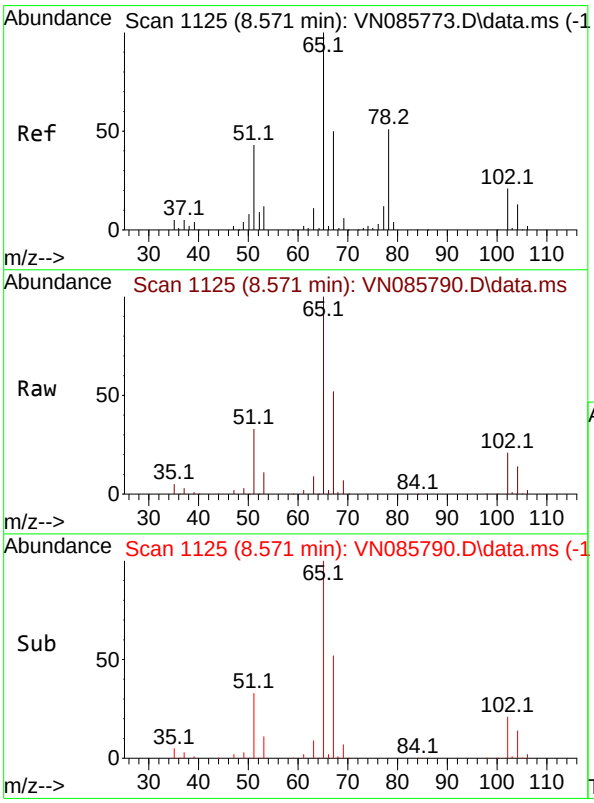
#25
2-Butanone
Concen: 1.909 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Tgt Ion: 43 Resp: 2991

Ion	Ratio	Lower	Upper
43	100		
72	35.8	23.6	35.4#

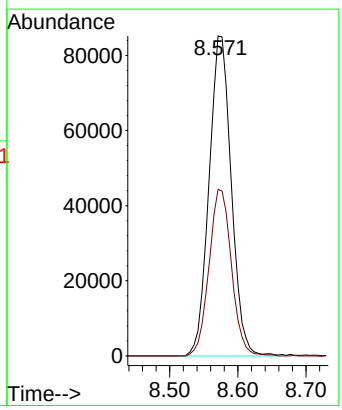


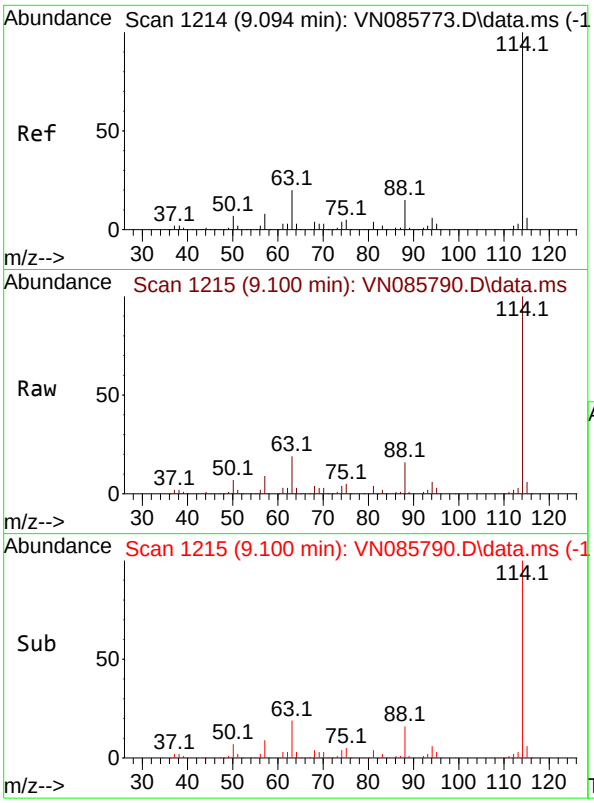


#33
1,2-Dichloroethane-d4
Concen: 57.480 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Tgt Ion: 65 Resp: 193493

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



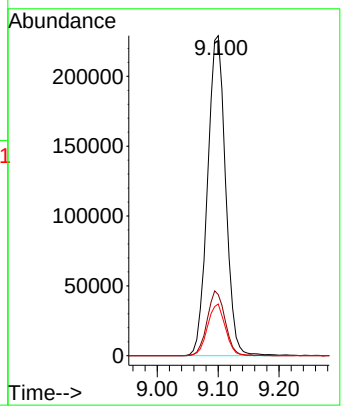


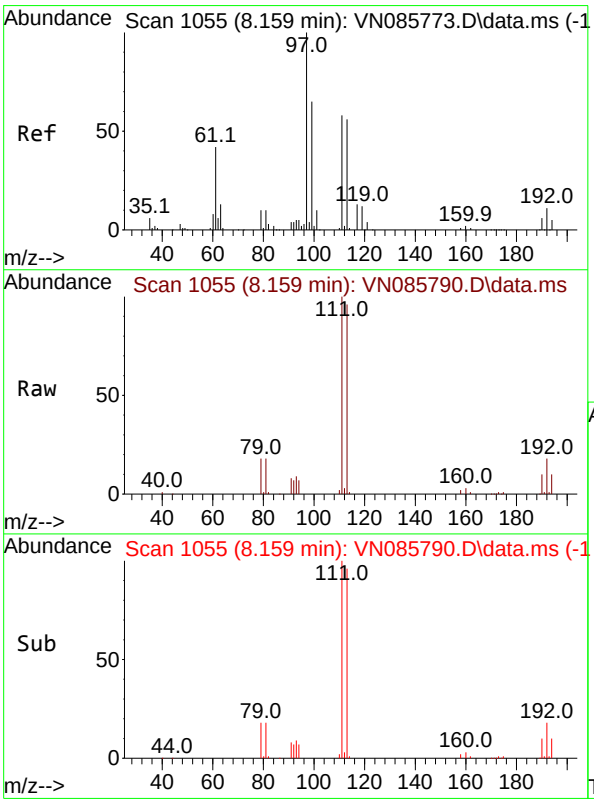
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Tgt Ion:114 Resp: 470979

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	16.1	0.0	30.0

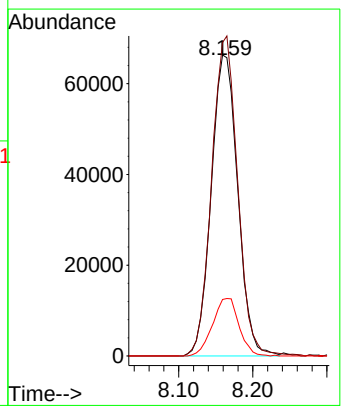


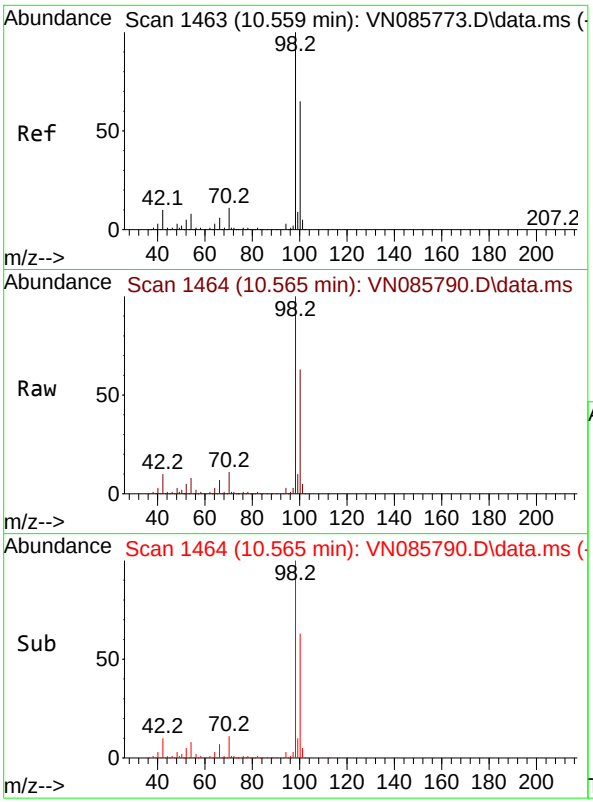


#35
Dibromofluoromethane
Concen: 53.459 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Tgt Ion:113 Resp: 164754

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	19.1	14.7	22.1



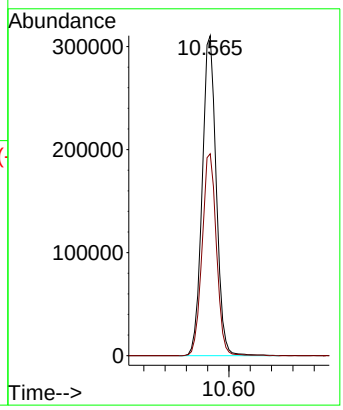


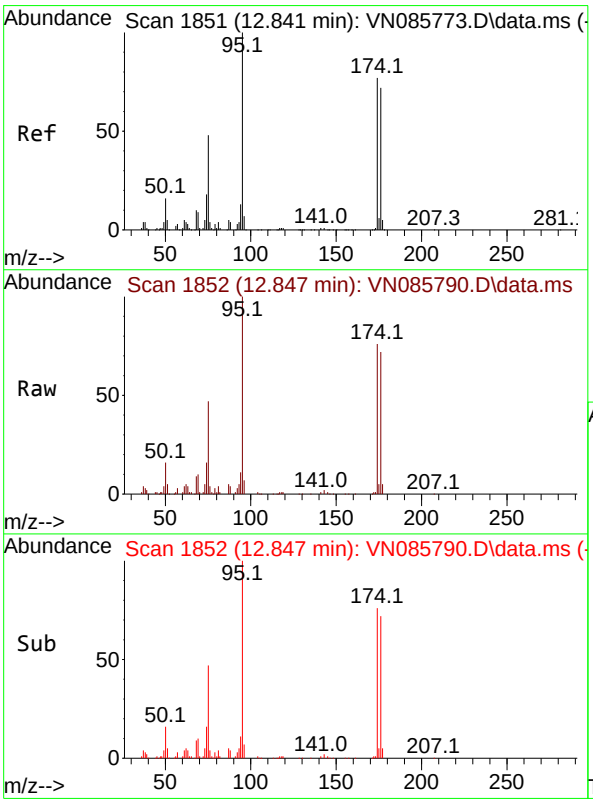
#50
Toluene-d8
Concen: 50.552 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Tgt Ion: 98 Resp: 566832

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

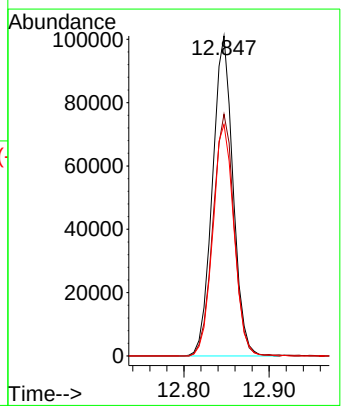


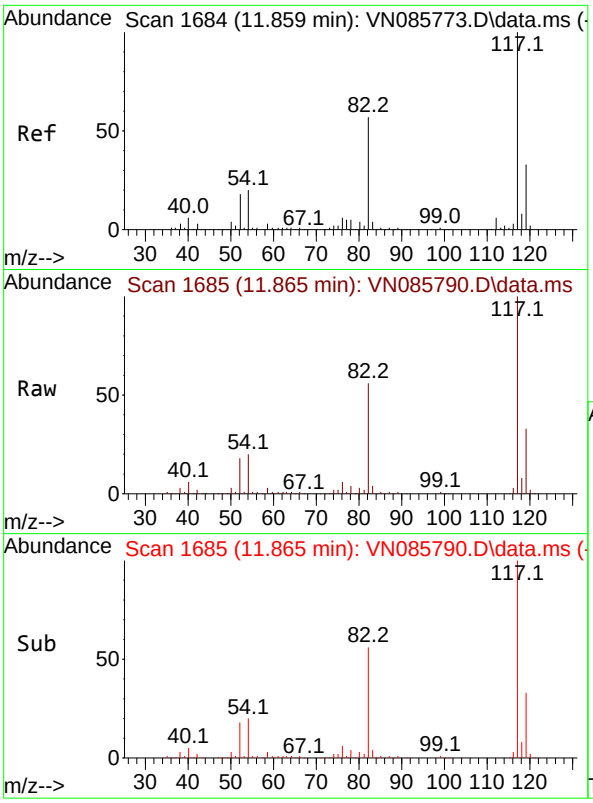


#62
4-Bromofluorobenzene
Concen: 45.767 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Tgt Ion: 95 Resp: 169080

Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	152.4
176	74.2	0.0	146.6



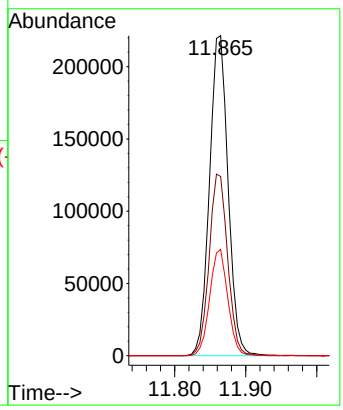


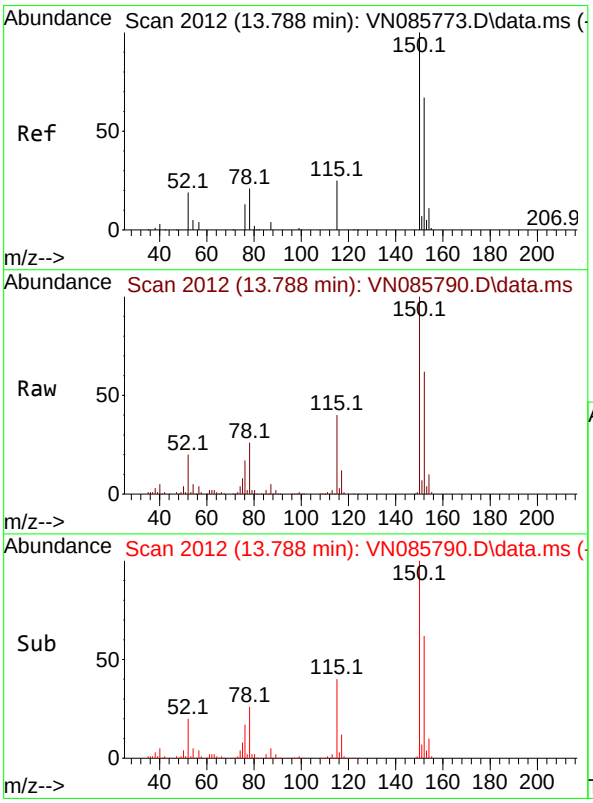
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Tgt Ion:117 Resp: 403744

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.7	68.5
119	33.2	26.2	39.2

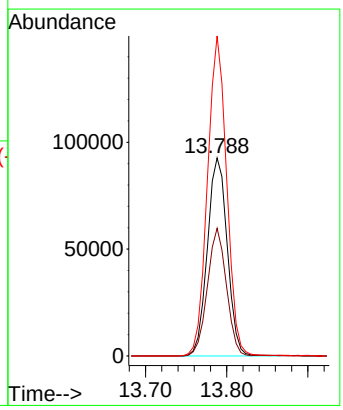




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085790.D
Acq: 19 Feb 2025 15:08

Tgt Ion:152 Resp: 157449

Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.4	91.3
150	156.0	0.0	345.4



Sample Results: **VN085790.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085790.D
Acq On : 19 Feb 2025 15:08
Operator : JC\MD
Sample : Q1380-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085790.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	17	22	28	rVB2	14023	21263	1.46%	0.287%
2	4.424	410	420	428	rBV2	5586	15998	1.10%	0.216%
3	8.159	1043	1055	1060	rBV2	222723	537853	36.85%	7.268%
4	8.218	1060	1065	1078	rVB	363376	792414	54.29%	10.707%
5	8.577	1116	1126	1136	rBV	235340	532940	36.51%	7.201%
6	9.094	1205	1214	1228	rBV	525415	1089964	74.67%	14.728%
7	10.565	1455	1464	1479	rBV	786251	1459727	100.00%	19.724%
8	11.865	1676	1685	1700	rBV	661520	1211323	82.98%	16.368%
9	12.847	1844	1852	1863	rBV	471448	800411	54.83%	10.815%
10	13.788	2004	2012	2020	rBV	571414	938835	64.32%	12.686%

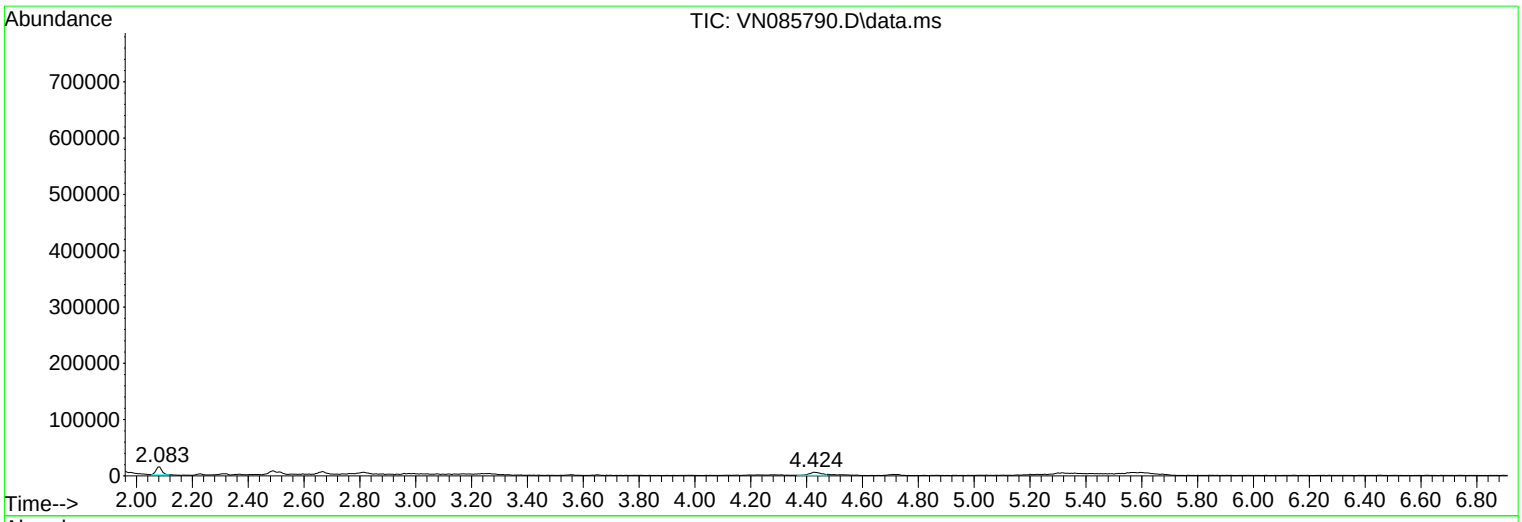
Sum of corrected areas: 7400728

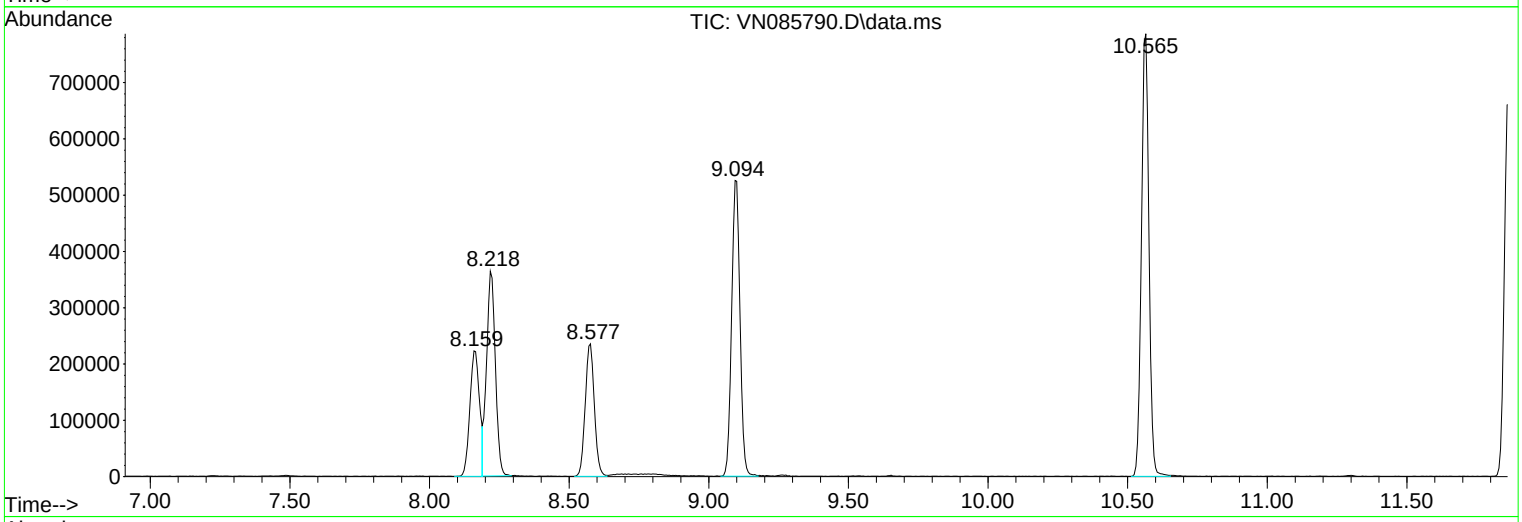
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085790.D
Acq On : 19 Feb 2025 15:08
Operator : JC\MD
Sample : Q1380-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

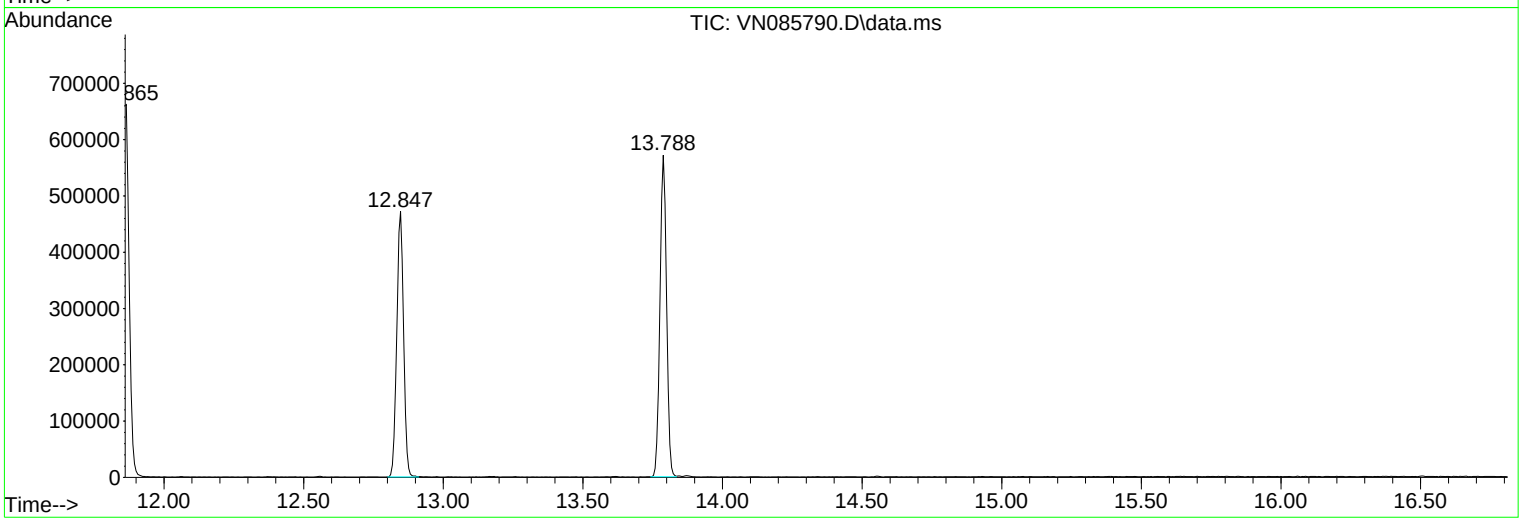
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085790.D
Acq On : 19 Feb 2025 15:08
Operator : JC\MD
Sample : Q1380-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085790.D
Acq On : 19 Feb 2025 15:08
Operator : JC\MD
Sample : Q1380-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-192-GW-780-782

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/14/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	VPB192-HYD-20250214	SDG No.:	Q1380
Lab Sample ID:	Q1380-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085787.D	1		02/19/25 13:57	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.49	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	1.50		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	1.90	J	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/14/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	VPB192-HYD-20250214	SDG No.:	Q1380
Lab Sample ID:	Q1380-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085787.D	1		02/19/25 13:57	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	2.70		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	1.60		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	298000	8.218				
540-36-3	1,4-Difluorobenzene	540000	9.094				
3114-55-4	Chlorobenzene-d5	473000	11.859				
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/14/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	VPB192-HYD-20250214	SDG No.:	Q1380
Lab Sample ID:	Q1380-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085787.D	1		02/19/25 13:57	VN021925

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085787.D
Acq On : 19 Feb 2025 13:57
Operator : JC\MD
Sample : Q1380-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Quant Time: Feb 20 00:48:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

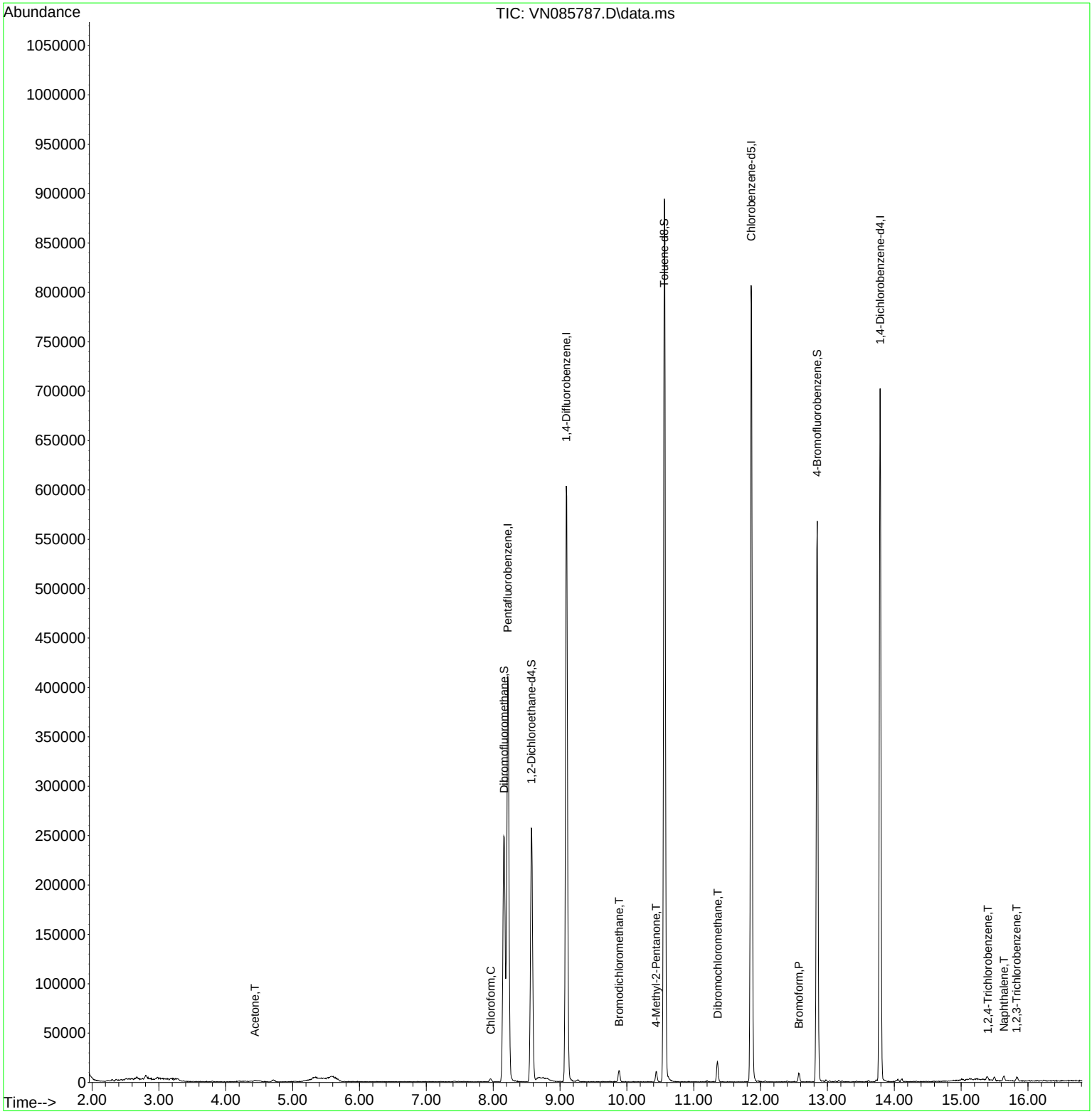
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	297765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	540496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	473230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	194311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	212502	55.046	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.100%			
35) Dibromofluoromethane	8.165	113	186883	52.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.680%			
50) Toluene-d8	10.559	98	648059	50.363	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.847	95	204438	48.221	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.440%			
Target Compounds						Qvalue
16) Acetone	4.436	43	1835	1.502	ug/l #	83
30) Chloroform	7.965	83	3346	0.486	ug/l #	76
47) Bromodichloromethane	9.883	83	8838	1.512	ug/l #	92
51) 4-Methyl-2-Pentanone	10.435	43	7409	1.866	ug/l	90
60) Dibromochloromethane	11.359	129	11677	2.682	ug/l	98
71) Bromoform	12.571	173	4524	1.562	ug/l #	95
93) 1,2,4-Trichlorobenzene	15.400	180	1732	0.561	ug/l	98
95) Naphthalene	15.641	128	6690	0.789	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.829	180	2280	0.736	ug/l	94

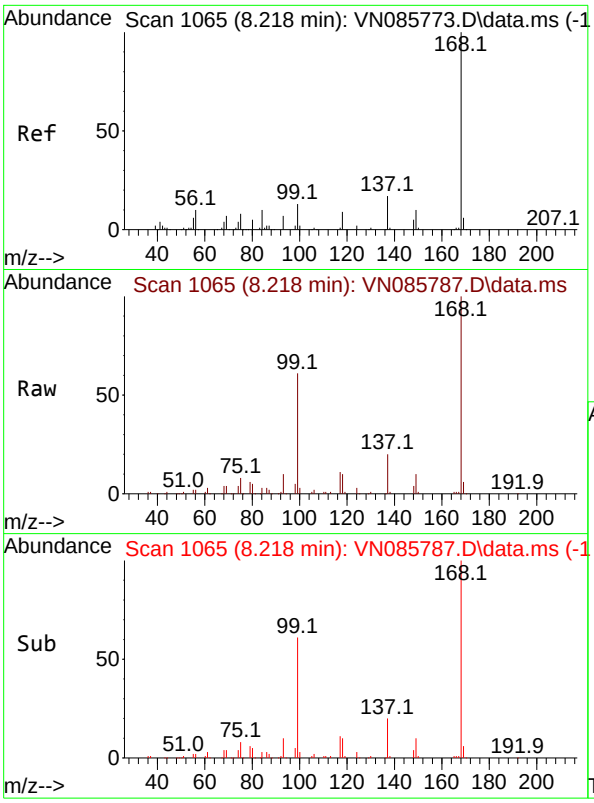
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085787.D
Acq On : 19 Feb 2025 13:57
Operator : JC\MD
Sample : Q1380-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Quant Time: Feb 20 00:48:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



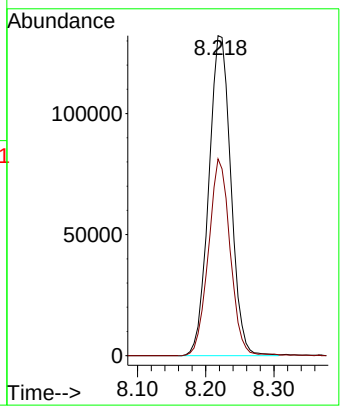


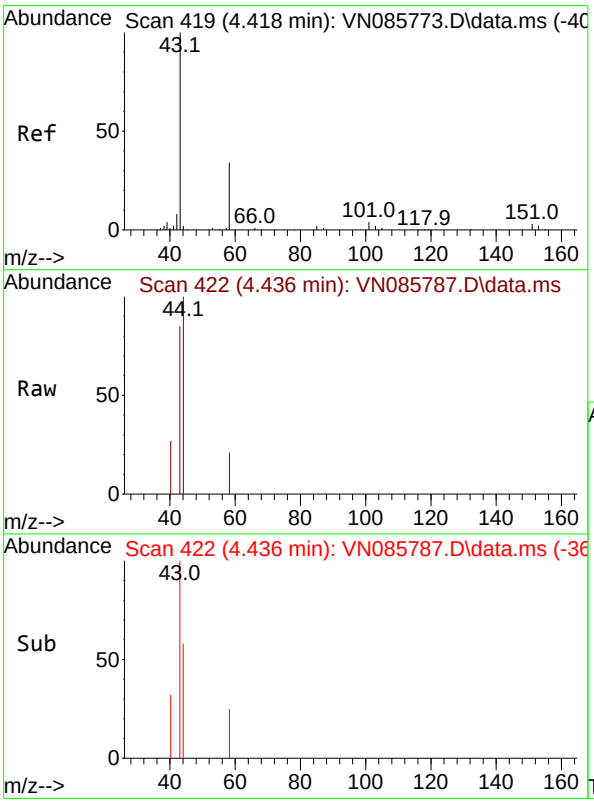
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion:168 Resp: 297765

Ion	Ratio	Lower	Upper
168	100		
99	61.5	47.9	71.9

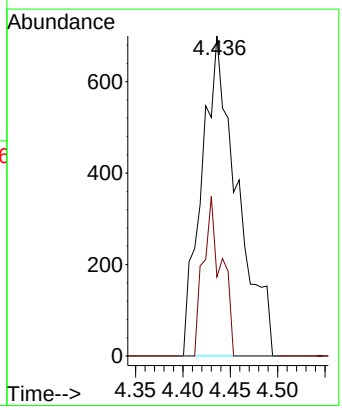


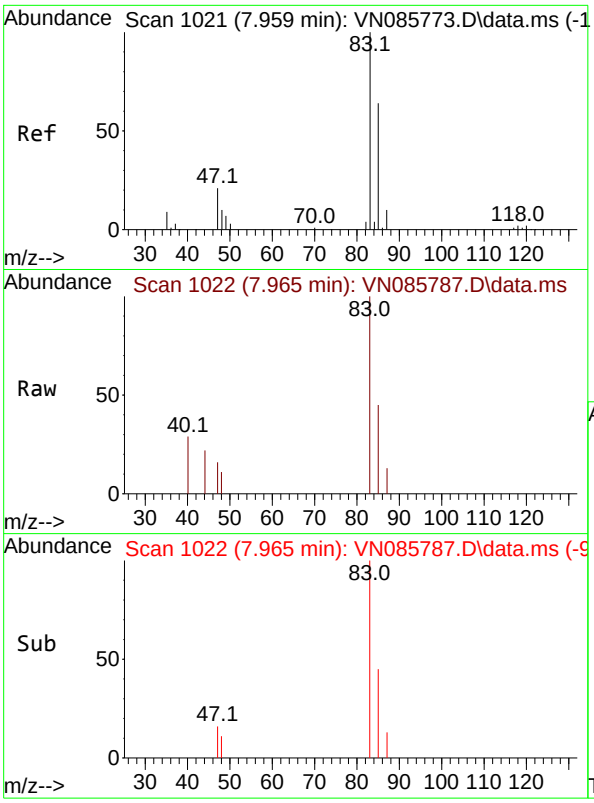


#16
Acetone
Concen: 1.502 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion: 43 Resp: 1835

Ion	Ratio	Lower	Upper
43	100		
58	24.7	27.5	41.3#



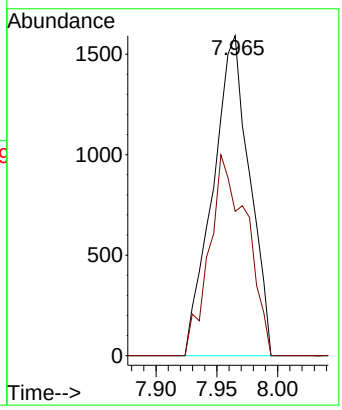


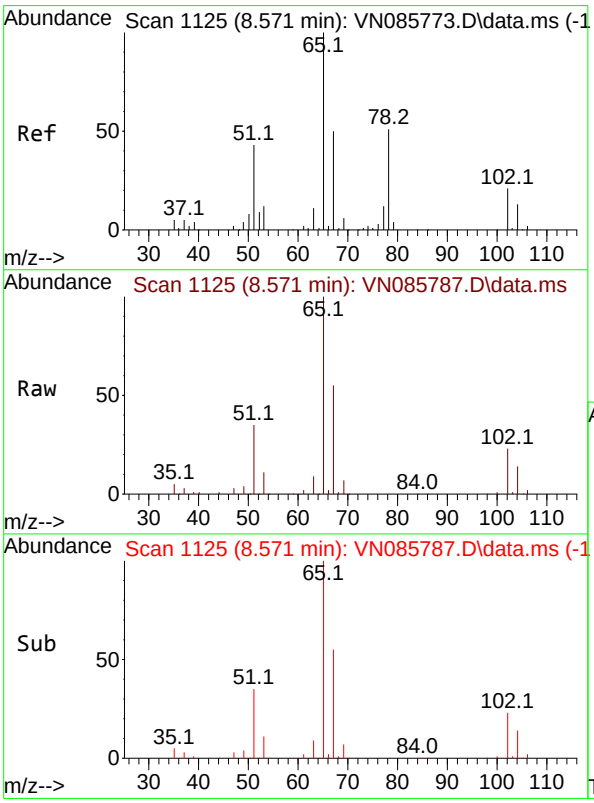
#30
Chloroform
Concen: 0.486 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion: 83 Resp: 3346

Ion	Ratio	Lower	Upper
83	100		
85	45.1	50.9	76.3#

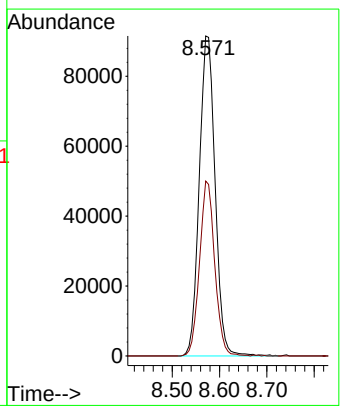


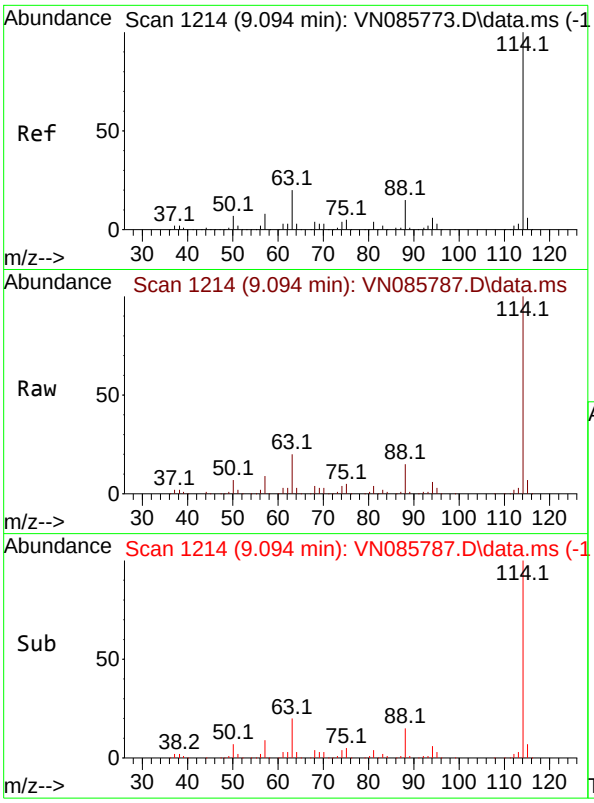


#33
1,2-Dichloroethane-d4
Concen: 55.046 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion: 65 Resp: 212502

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



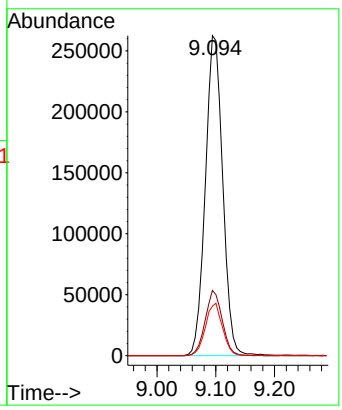


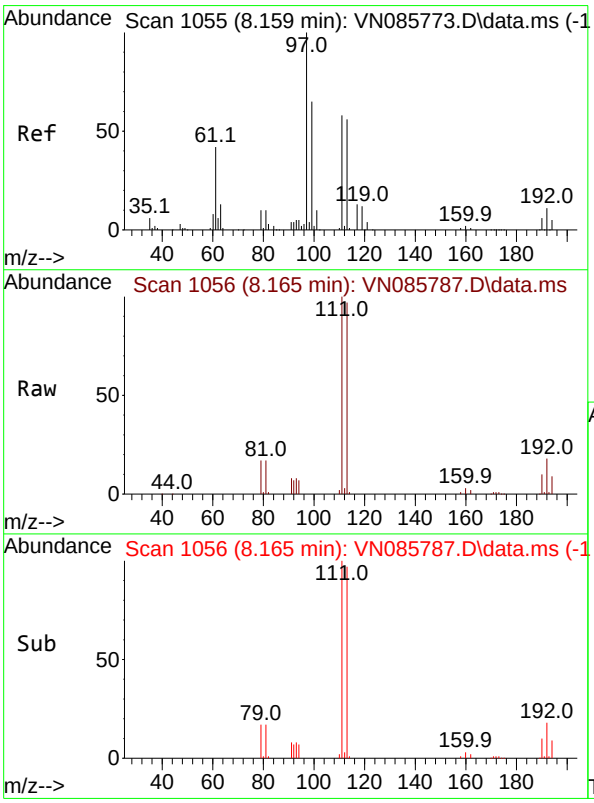
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion:114 Resp: 540496

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.2
88	15.5	0.0	30.0

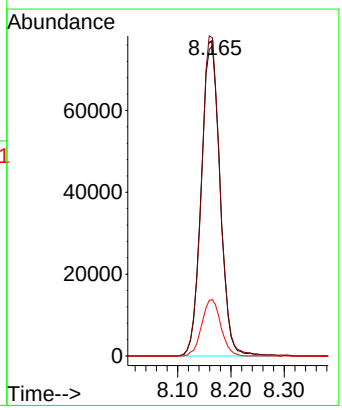


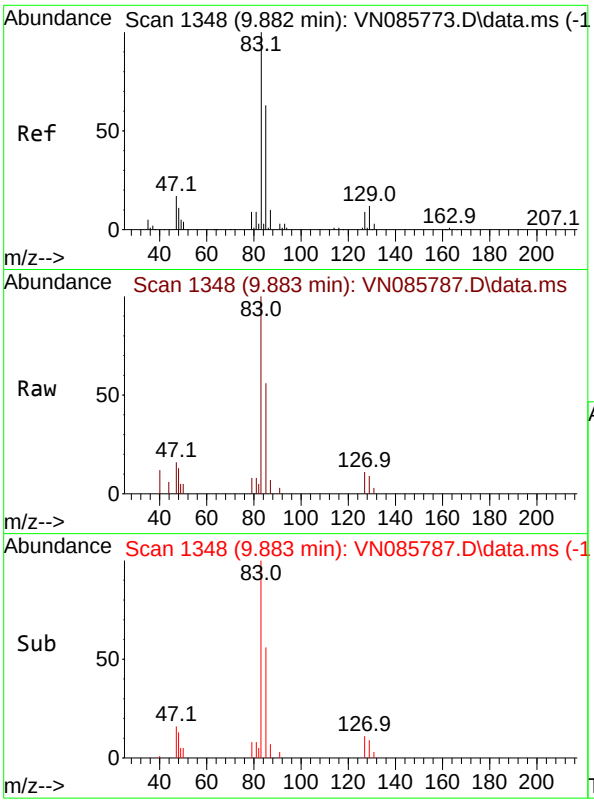


#35
Dibromofluoromethane
Concen: 52.840 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion:113 Resp: 186883

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	18.3	14.7	22.1



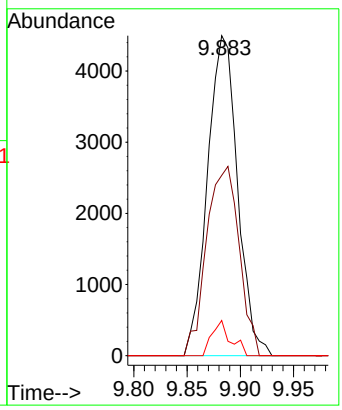


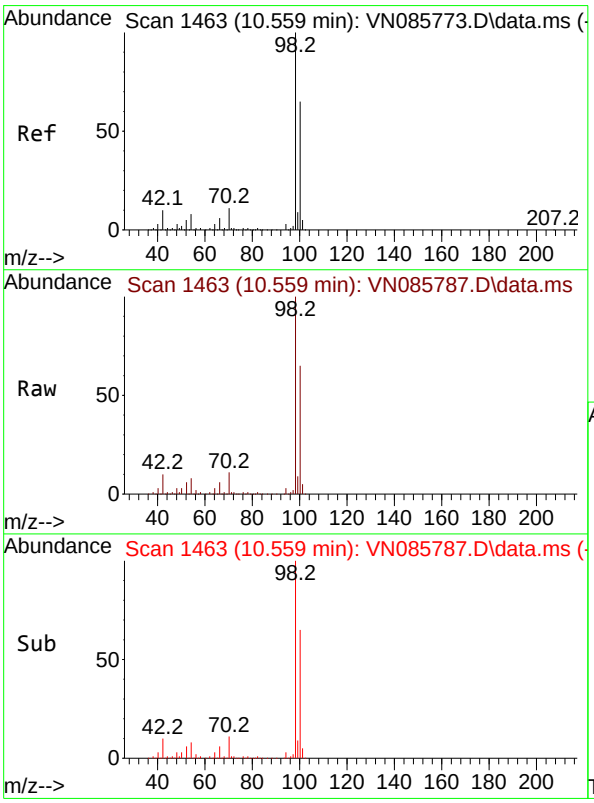
#47
Bromodichloromethane
Concen: 1.512 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion: 83 Resp: 8838

Ion	Ratio	Lower	Upper
83	100		
85	56.3	50.5	75.7
127	11.0	7.2	10.8#

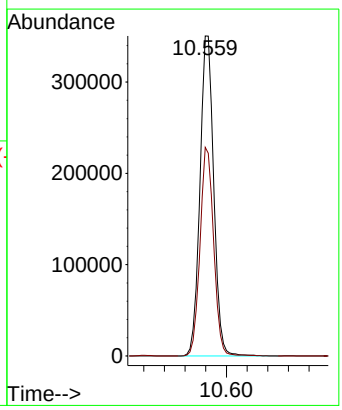


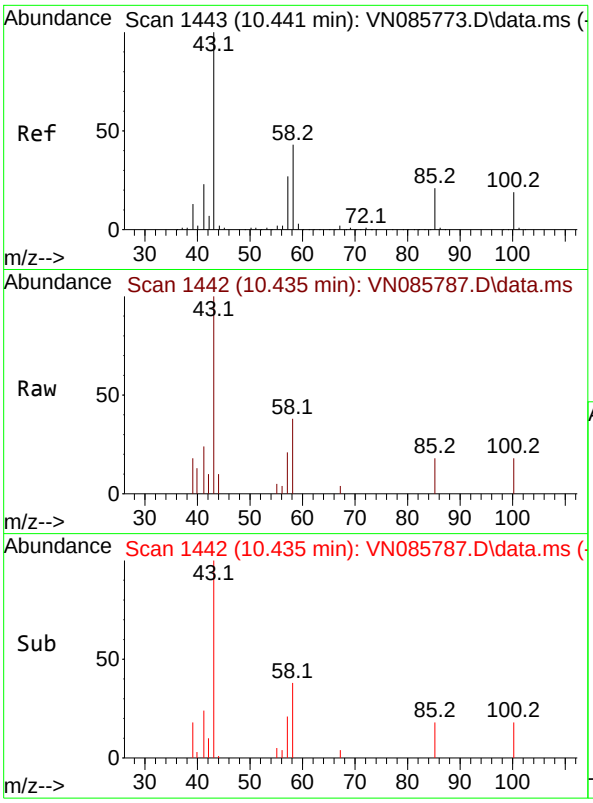


#50
Toluene-d8
Concen: 50.363 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion: 98 Resp: 648059

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1



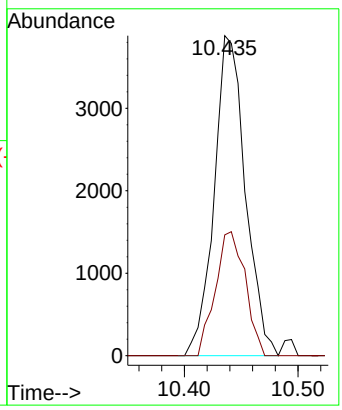


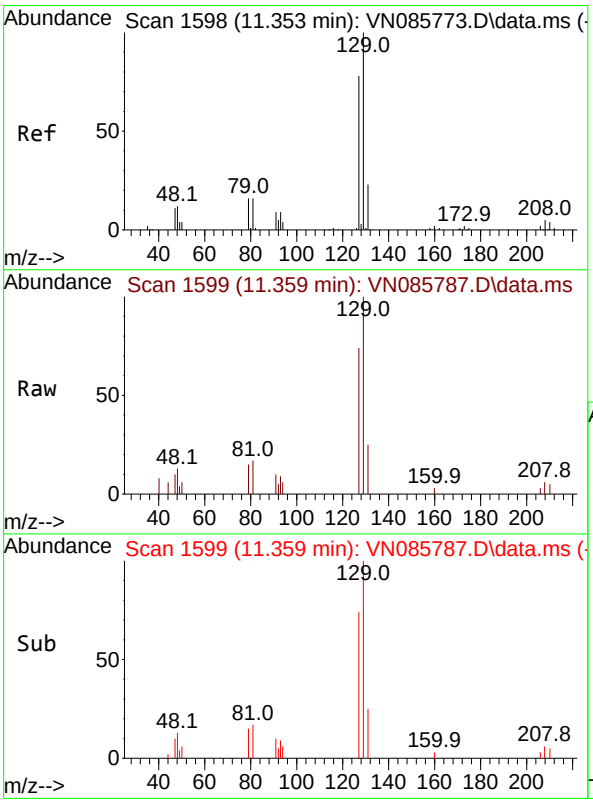
#51
4-Methyl-2-Pentanone
Concen: 1.866 ug/l
RT: 10.435 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion: 43 Resp: 7409

Ion	Ratio	Lower	Upper
43	100		
58	37.0	34.6	52.0

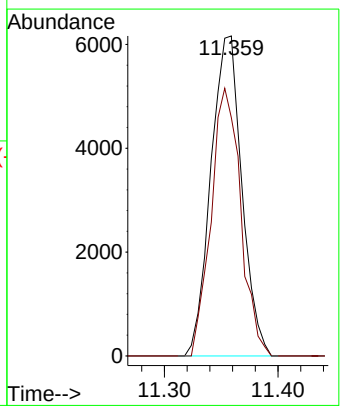


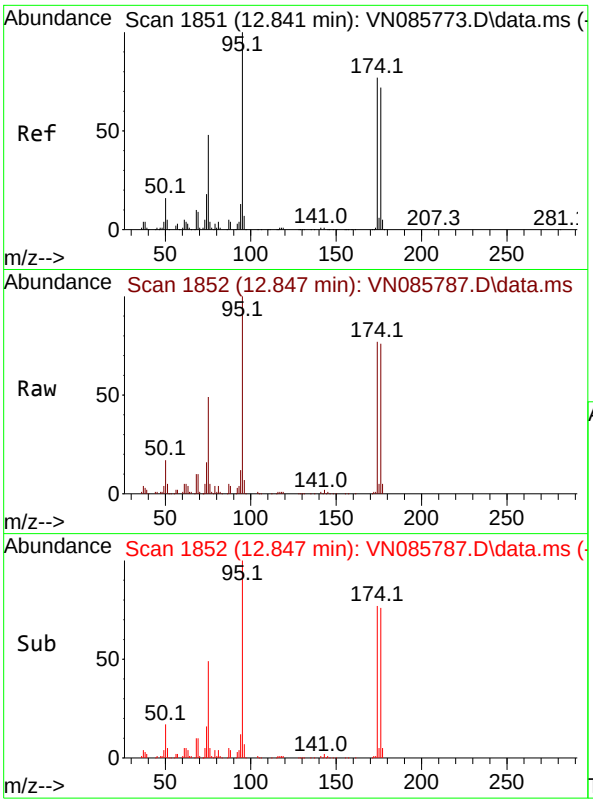


#60
Dibromochloromethane
Concen: 2.682 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion:129 Resp: 11677

Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.1	117.5



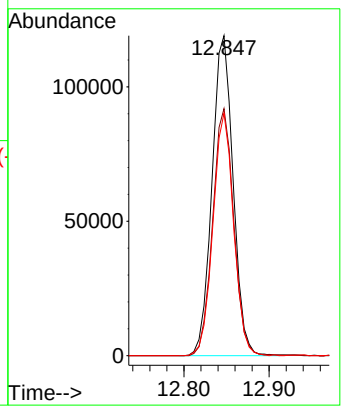


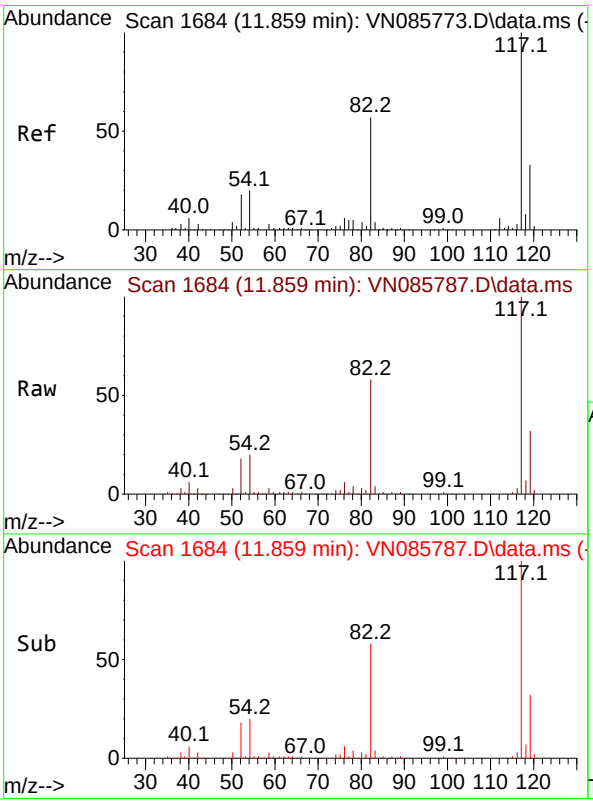
#62
4-Bromofluorobenzene
Concen: 48.221 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion: 95 Resp: 204438

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	152.4
176	74.2	0.0	146.6

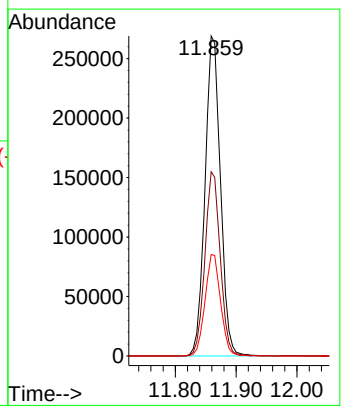


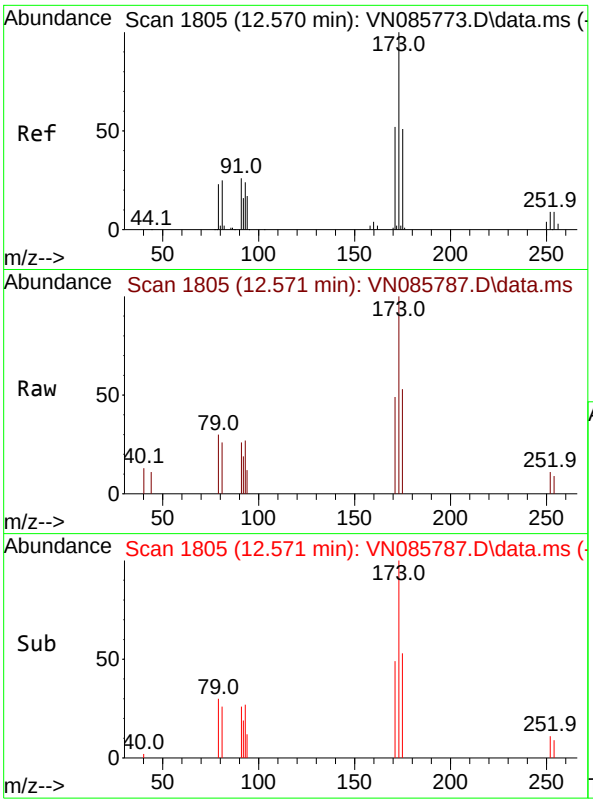


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion:117 Resp: 473230

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	31.7	26.2	39.2



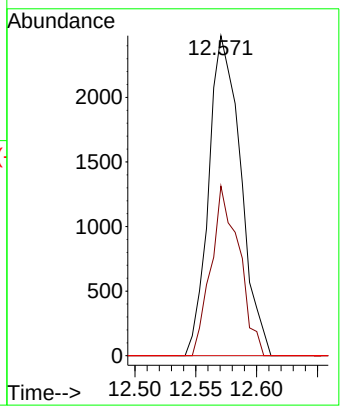


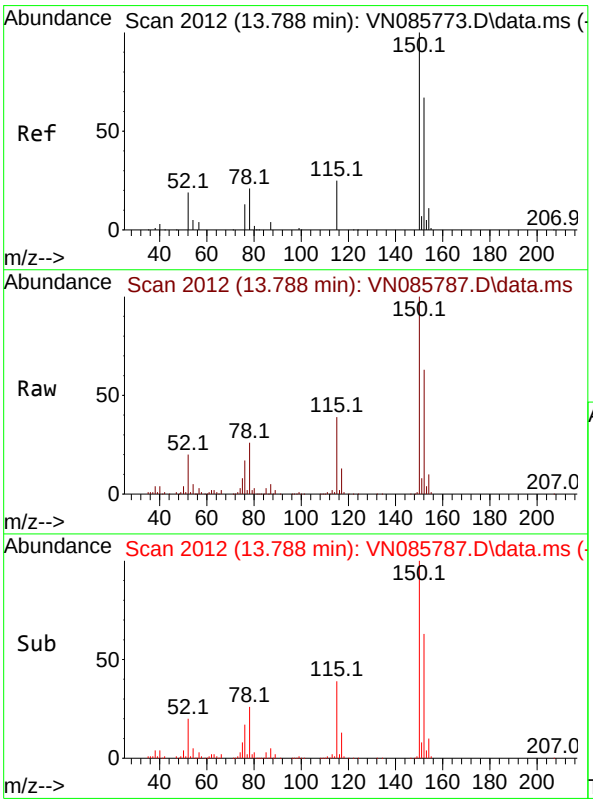
#71
Bromoform
Concen: 1.562 ug/l
RT: 12.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion:173 Resp: 4524

Ion	Ratio	Lower	Upper
173	100		
175	46.7	25.1	75.4
254	0.0	0.0	0.0

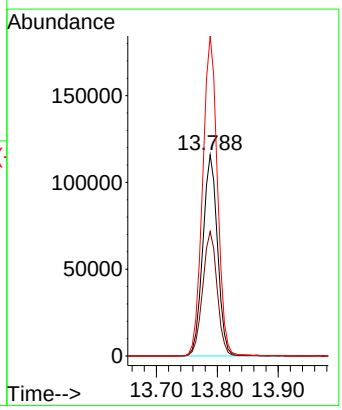


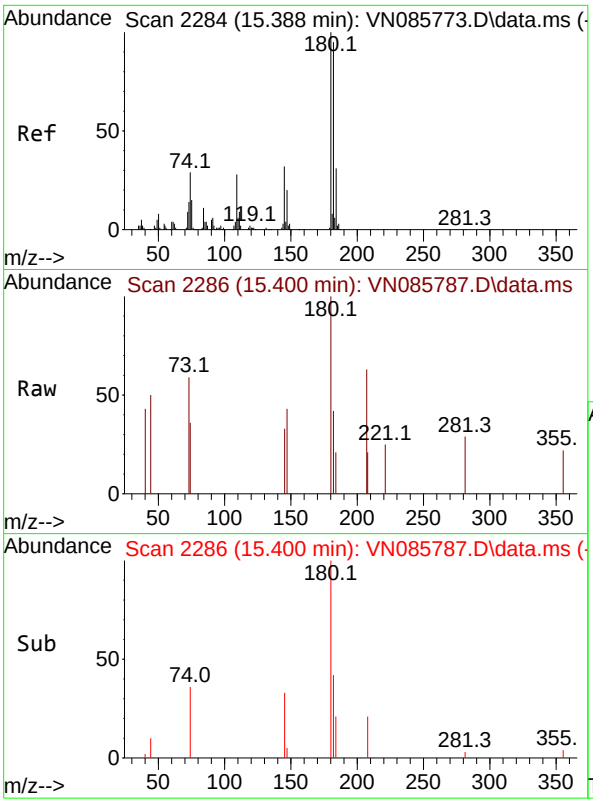


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion:152 Resp: 194311

Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.4	91.3
150	159.9	0.0	345.4



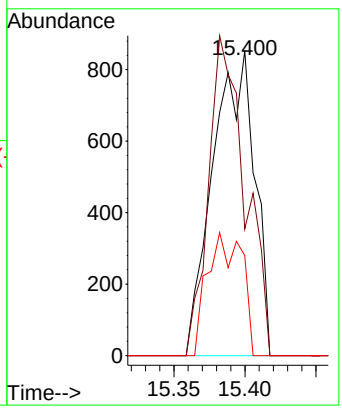


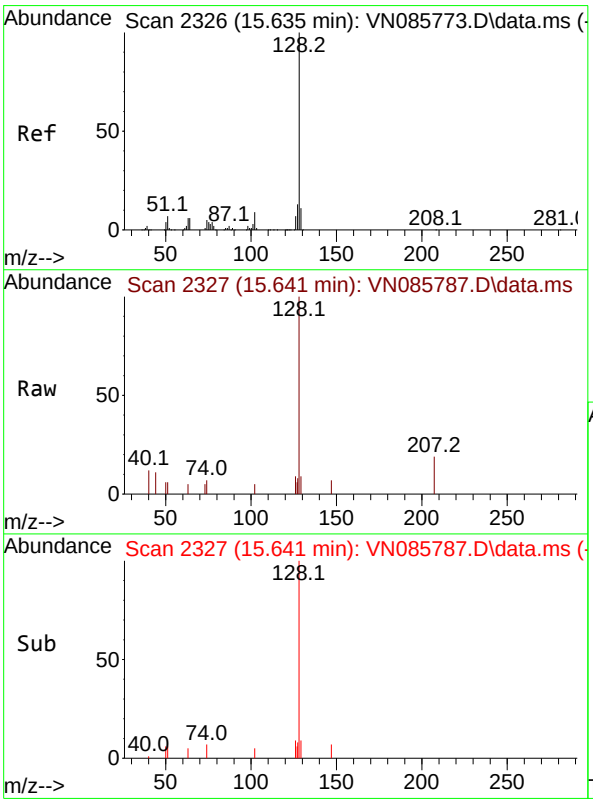
#93
1,2,4-Trichlorobenzene
Concen: 0.561 ug/l
RT: 15.400 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion:180 Resp: 1732

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.3	141.9
145	33.6	16.2	48.5

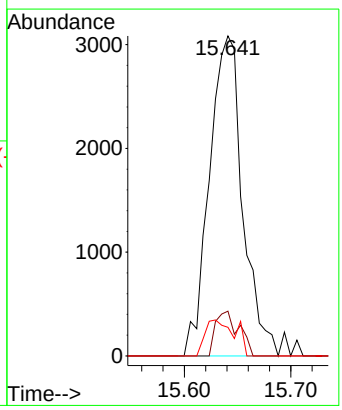


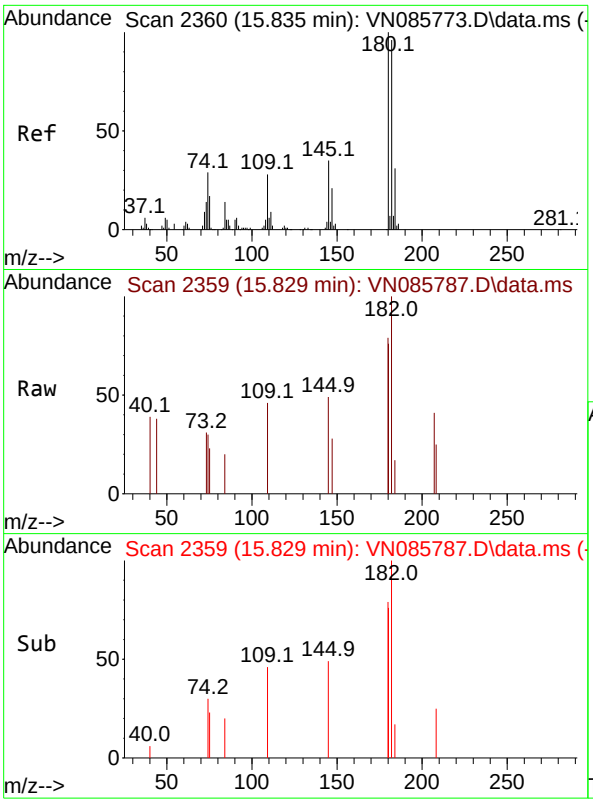


#95
Naphthalene
Concen: 0.789 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Tgt Ion:128 Resp: 6690

Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.2	15.2#
129	10.1	8.7	13.1



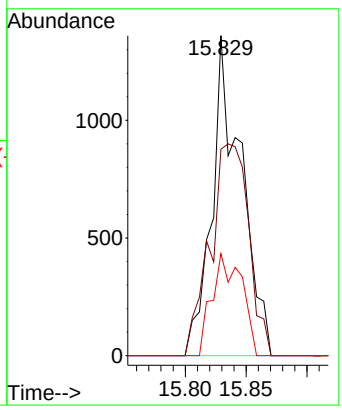


#96
1,2,3-Trichlorobenzene
Concen: 0.736 ug/l
RT: 15.829 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085787.D
Acq: 19 Feb 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Tgt Ion:180 Resp: 2280

Ion	Ratio	Lower	Upper
180	100		
182	87.0	47.3	141.8
145	32.2	16.9	50.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085787.D
Acq On : 19 Feb 2025 13:57
Operator : JC\MD
Sample : Q1380-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085787.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.159	1045	1055	1060	rBV	248836	601218	36.08%	6.943%
2	8.218	1060	1065	1081	rVB	409901	907940	54.49%	10.485%
3	8.571	1115	1125	1136	rBV	256995	582528	34.96%	6.727%
4	9.094	1205	1214	1226	rBV	603501	1245488	74.74%	14.383%
5	9.883	1340	1348	1354	rVB2	11314	21549	1.29%	0.249%
6	10.441	1434	1443	1450	rBV3	10692	19658	1.18%	0.227%
7	10.559	1454	1463	1482	rBV	894168	1666382	100.00%	19.244%
8	11.353	1592	1598	1608	rVB	20376	35866	2.15%	0.414%
9	11.859	1676	1684	1698	rBV	806310	1424345	85.48%	16.449%
10	12.571	1798	1805	1815	rVB3	9114	16928	1.02%	0.195%
11	12.847	1844	1852	1863	rBV	567680	970003	58.21%	11.202%
12	13.788	2004	2012	2021	rBV	700988	1167254	70.05%	13.480%

Sum of corrected areas: 8659159

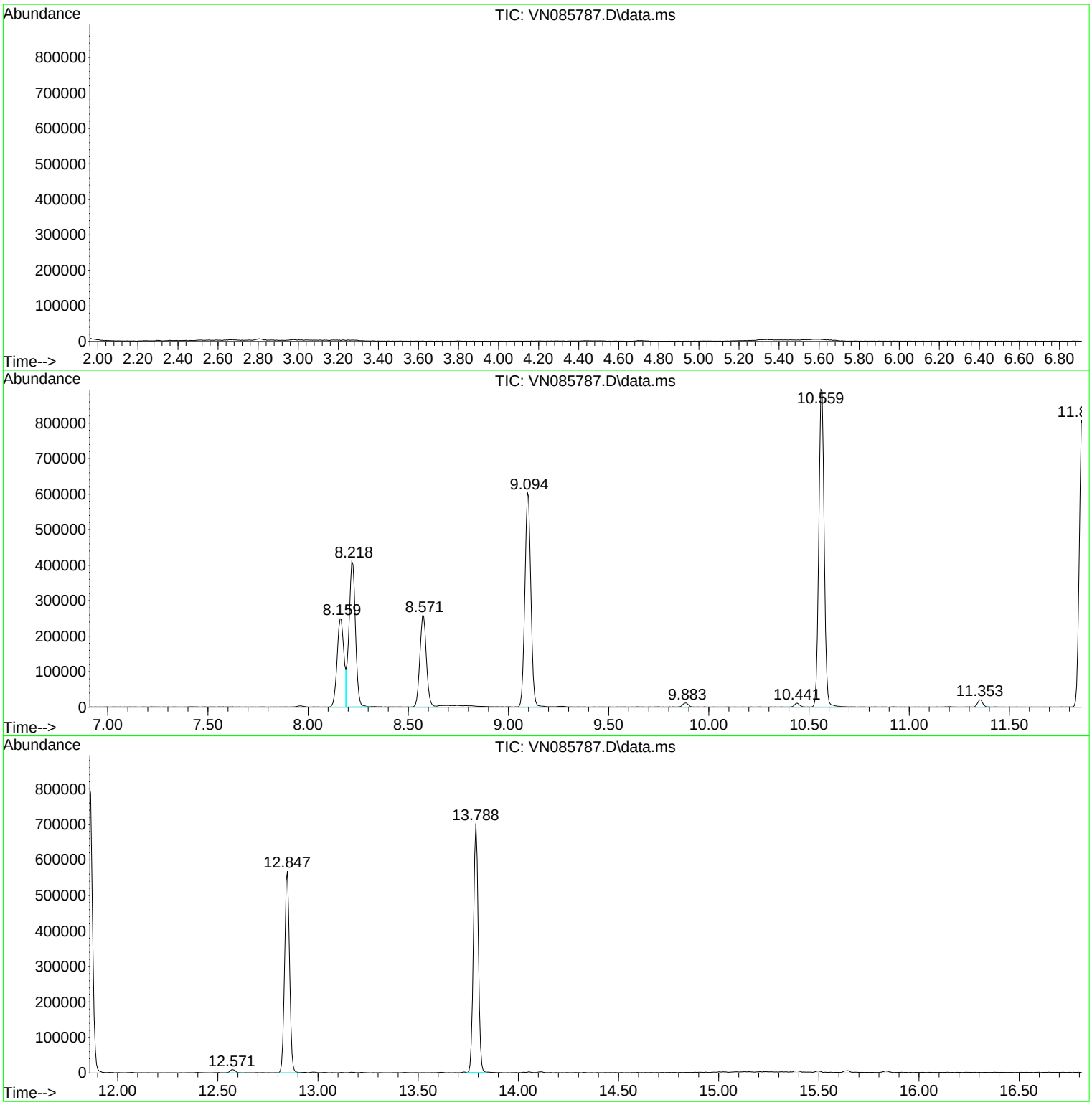
Sample Results: **VN085787.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085787.D
Acq On : 19 Feb 2025 13:57
Operator : JC\MD
Sample : Q1380-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085787.D
Acq On : 19 Feb 2025 13:57
Operator : JC\MD
Sample : Q1380-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085787.D
Acq On : 19 Feb 2025 13:57
Operator : JC\MD
Sample : Q1380-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB192-HYD-20250214

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_N Calibration Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:09 14:18

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085772.D RRF050 = VN085773.D RRF010 = VN085775.D
RRF005 = VN085776.D RRF001 = VN085777.D RRF020 = VN085779.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Chloromethane	0.647	0.622	0.742	0.662	0.817	0.604	0.682	11.9
Vinyl Chloride	0.698	0.678	0.796	0.729	0.761	0.674	0.723	6.7
Bromomethane	0.434	0.424	0.543	0.496		0.413	0.462	12.1
Chloroethane	0.447	0.417	0.516	0.470	0.584	0.438	0.479	12.9
Trichlorofluoromethane	1.010	0.959	1.134	1.065	1.103	1.006	1.046	6.3
1,1,2-Trichlorotrifluoroethane	0.602	0.564	0.674	0.635	0.554	0.599	0.605	7.4
1,1-Dichloroethene	0.555	0.527	0.591	0.571	0.514	0.531	0.548	5.3
Acetone	0.195	0.184	0.217	0.208	0.227	0.198	0.205	7.7
Carbon Disulfide	1.565	1.473	1.804	1.604	1.848	1.455	1.625	10.2
Methyl tert-butyl Ether	1.747	1.658	1.714	1.560	1.438	1.659	1.629	7
Methylene Chloride	0.628	0.593	0.710	0.666	0.736	0.625	0.660	8.3
trans-1,2-Dichloroethene	0.585	0.549	0.621	0.599	0.623	0.566	0.590	5.1
1,1-Dichloroethane	1.097	1.035	1.216	1.125	1.073	1.089	1.106	5.6
2-Butanone	0.308	0.294	0.331	0.299	0.279	0.299	0.302	5.6
Carbon Tetrachloride	0.573	0.528	0.583	0.545	0.533	0.538	0.550	4.1
cis-1,2-Dichloroethene	0.705	0.661	0.740	0.685	0.646	0.671	0.685	4.9
Chloroform	1.120	1.070	1.269	1.164	1.171	1.141	1.156	5.7
1,1,1-Trichloroethane	1.012	0.967	1.089	1.058	1.030	1.012	1.028	4.1
Methylcyclohexane	0.560	0.492	0.446	0.405	0.373	0.453	0.455	14.5
Benzene	1.581	1.441	1.568	1.421	1.420	1.474	1.484	4.9
1,2-Dichloroethane	0.499	0.456	0.527	0.464	0.472	0.483	0.483	5.4
Trichloroethene	0.370	0.339	0.384	0.350	0.395	0.348	0.364	6.1
1,2-Dichloropropane	0.377	0.347	0.385	0.344	0.339	0.357	0.358	5.2
Bromodichloromethane	0.569	0.518	0.571	0.533	0.512	0.541	0.541	4.6
4-Methyl-2-Pentanone	0.414	0.379	0.392	0.342	0.290	0.388	0.367	12.1
Toluene	0.993	0.902	0.924	0.820	0.689	0.891	0.870	12
t-1,3-Dichloropropene	0.576	0.521	0.518	0.471	0.408	0.505	0.500	11.3
cis-1,3-Dichloropropene	0.626	0.566	0.582	0.513	0.442	0.559	0.548	11.6
1,1,2-Trichloroethane	0.361	0.331	0.370	0.346	0.324	0.344	0.346	5
2-Hexanone	0.296	0.273	0.266	0.227	0.184	0.270	0.253	16

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_N Calibration Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:09 14:18

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085772.D RRF050 = VN085773.D RRF010 = VN085775.D
RRF005 = VN085776.D RRF001 = VN085777.D RRF020 = VN085779.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Dibromochloromethane	0.440	0.402	0.431	0.384	0.355	0.405	0.403	7.7
Tetrachloroethene	0.384	0.361	0.420	0.391	0.393	0.375	0.387	5.2
Chlorobenzene	1.183	1.110	1.212	1.139	1.109	1.119	1.145	3.8
Ethyl Benzene	2.105	1.904	1.830	1.665	1.424	1.838	1.794	12.8
m/p-Xylenes	0.809	0.741	0.725	0.610	0.481	0.722	0.682	17.2
o-Xylene	0.771	0.704	0.666	0.584	0.502	0.659	0.648	14.5
Styrene	1.327	1.203	1.060	0.885	0.744	1.133	1.059	20.2
Bromoform	0.327	0.303	0.322	0.301	0.274	0.309	0.306	6.2
Isopropylbenzene	3.851	3.596	3.623	3.067	2.933	3.484	3.425	10.3
1,1,2,2-Tetrachloroethane	1.073	1.053	1.304	1.218	1.271	1.154	1.179	8.8
1,3-Dichlorobenzene	1.772	1.635	1.876	1.697	1.748	1.675	1.734	4.9
1,4-Dichlorobenzene	1.750	1.647	1.884	1.777	1.921	1.684	1.777	6.1
1,2-Dichlorobenzene	1.660	1.574	1.768	1.642	1.744	1.617	1.667	4.5
1,2-Dichloroethane-d4	0.698	0.613	0.588	0.767		0.575	0.648	12.6
Dibromofluoromethane	0.375	0.317	0.294	0.357		0.293	0.327	11.5
Toluene-d8	1.444	1.199	1.017	1.212		1.080	1.190	13.8
4-Bromofluorobenzene	0.503	0.419	0.323	0.370		0.346	0.392	18.2

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N021825W.M
Title : SW846 8260
Last Update : Wed Feb 19 03:43:32 2025
Response Via : Initial Calibration

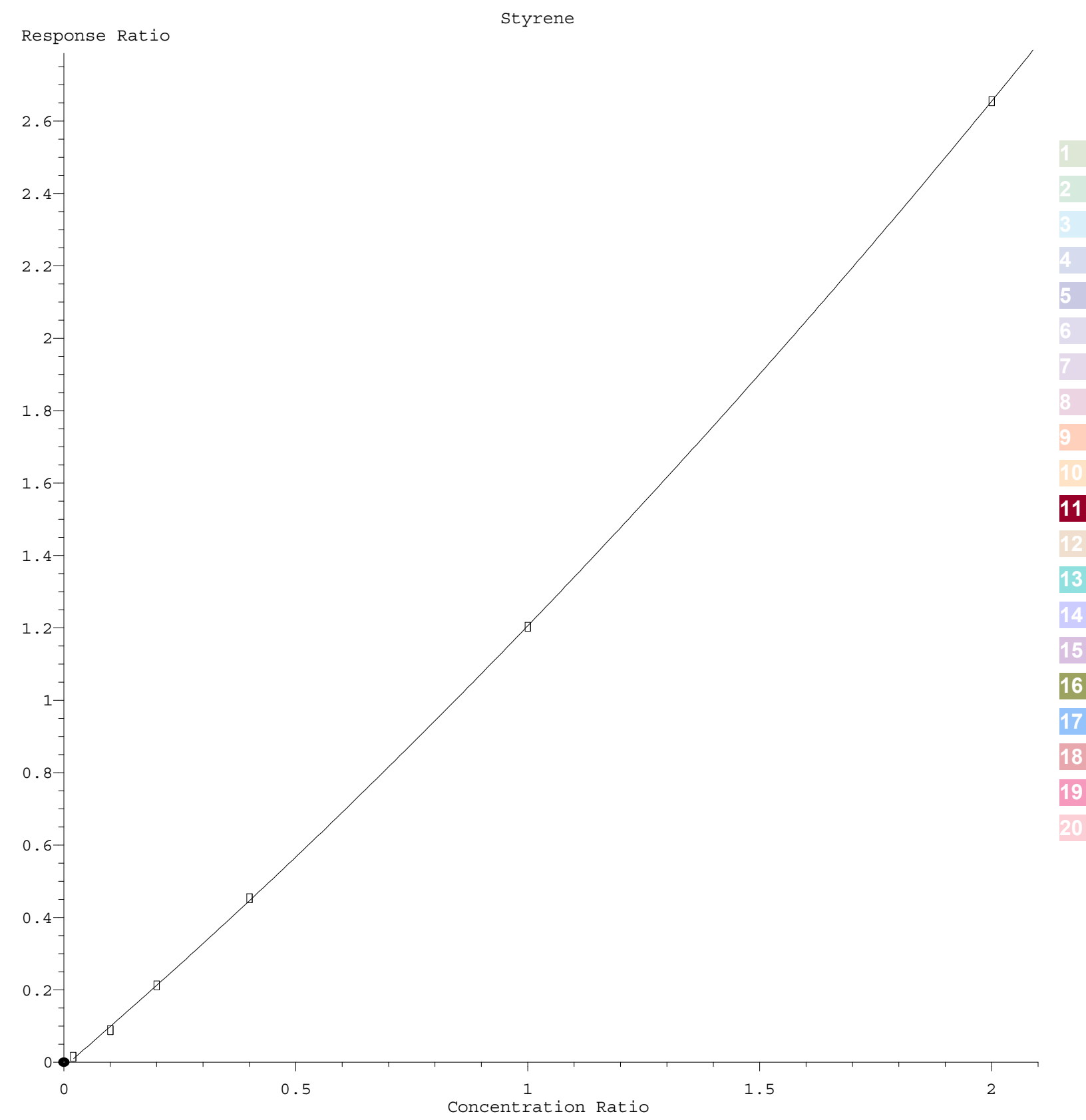
Calibration Files
1 =VN085777.D 5 =VN085776.D 10 =VN085775.D 20 =VN085779.D 50 =VN085773.D 100 =VN085772.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.660	0.650	0.779	0.628	0.669	0.694	0.680	7.78
3)	P	Chloromethane	0.817	0.662	0.742	0.604	0.622	0.647	0.682	11.93
4)	C	Vinyl Chloride	0.761	0.729	0.796	0.674	0.678	0.698	0.723	6.72#
5)	T	Bromomethane		0.496	0.543	0.413	0.424	0.434	0.462	12.05
6)	T	Chloroethane	0.584	0.470	0.516	0.438	0.417	0.447	0.479	12.88
7)	T	Trichlorofluor...	1.103	1.065	1.134	1.006	0.959	1.010	1.046	6.33
8)	T	Diethyl Ether	0.313	0.353	0.366	0.325	0.331	0.343	0.339	5.72
9)	T	1,1,2-Trichlor...	0.554	0.635	0.674	0.599	0.564	0.602	0.605	7.39
10)	T	Methyl Iodide		0.724	0.806	0.712	0.722	0.764	0.745	5.24
11)	T	Tert butyl alc...		0.083	0.092	0.073	0.078	0.072	0.080	9.91
12)	CM	1,1-Dichloroet...	0.514	0.571	0.591	0.531	0.527	0.555	0.548	5.35#
13)	T	Acrolein		0.126	0.117	0.105	0.126	0.116	0.118	7.35
14)	T	Allyl chloride	0.694	0.724	0.778	0.686	0.691	0.747	0.720	5.13
15)	T	Acrylonitrile	0.255	0.260	0.278	0.256	0.245	0.262	0.259	4.23
16)	T	Acetone	0.227	0.208	0.217	0.198	0.184	0.195	0.205	7.68
17)	T	Carbon Disulfide	1.848	1.604	1.804	1.455	1.473	1.565	1.625	10.22
18)	T	Methyl Acetate	0.853	0.690	0.794	0.625	0.619	0.653	0.705	13.70
19)	T	Methyl tert-bu...	1.438	1.560	1.714	1.659	1.658	1.747	1.629	6.95
20)	T	Methylene Chlo...	0.736	0.666	0.710	0.625	0.593	0.628	0.660	8.34
21)	T	trans-1,2-Dich...	0.623	0.599	0.621	0.566	0.549	0.585	0.590	5.05
22)	T	Diisopropyl ether	1.326	1.567	1.764	1.716	1.643	1.744	1.627	10.09
23)	T	Vinyl Acetate	0.999	1.034	1.189	1.126	1.118	1.218	1.114	7.63
24)	P	1,1-Dichloroet...	1.073	1.125	1.216	1.089	1.035	1.097	1.106	5.59
25)	T	2-Butanone	0.279	0.299	0.331	0.299	0.294	0.308	0.302	5.61
26)	T	2,2-Dichloropr...	0.943	0.987	1.069	0.971	0.946	0.984	0.983	4.68
27)	T	cis-1,2-Dichlo...	0.646	0.685	0.740	0.671	0.661	0.705	0.685	4.91
28)	T	Bromochloromet...	0.483	0.570	0.346	0.402	0.444	0.481	0.454	16.96
29)	T	Tetrahydrofuran	0.167	0.183	0.214	0.204	0.196	0.206	0.195	8.97
30)	C	Chloroform	1.171	1.164	1.269	1.141	1.070	1.120	1.156	5.74#
31)	T	Cyclohexane		1.056	0.977	0.858	0.860	0.878	0.926	9.50
32)	T	1,1,1-Trichlor...	1.030	1.058	1.089	1.012	0.967	1.012	1.028	4.09
33)	S	1,2-Dichloroet...		0.767	0.588	0.575	0.613	0.698	0.648	12.64
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.357	0.294	0.293	0.317	0.375	0.327	11.46
36)	T	1,1-Dichloropr...	0.426	0.436	0.490	0.458	0.460	0.509	0.463	6.84
37)	T	Ethyl Acetate	0.353	0.376	0.385	0.396	0.375	0.400	0.381	4.47
38)	T	Carbon Tetrach...	0.533	0.545	0.583	0.538	0.528	0.573	0.550	4.11
39)	T	Methylcyclohexane	0.373	0.405	0.446	0.453	0.492	0.560	0.455	14.50
40)	TM	Benzene	1.420	1.421	1.568	1.474	1.441	1.581	1.484	4.89
41)	T	Methacrylonitrile	0.165	0.197	0.211	0.211	0.216	0.222	0.204	10.14
42)	TM	1,2-Dichloroet...	0.472	0.464	0.527	0.483	0.456	0.499	0.483	5.42
43)	T	Isopropyl Acetate	1.354	0.742	0.764	0.670	0.637	0.673	0.807	33.76
44)	TM	Trichloroethene	0.395	0.350	0.384	0.348	0.339	0.370	0.364	6.15
45)	C	1,2-Dichloropr...	0.339	0.344	0.385	0.357	0.347	0.377	0.358	5.25#
46)	T	Dibromomethane	0.242	0.245	0.265	0.256	0.243	0.266	0.253	4.42
47)	T	Bromodichlorom...	0.512	0.533	0.571	0.541	0.518	0.569	0.541	4.62
48)	T	Methyl methacr...	0.236	0.258	0.277	0.294	0.301	0.332	0.283	11.90
49)	T	1,4-Dioxane	0.005	0.005	0.006	0.005	0.006	0.005	0.005	5.54
50)	S	Toluene-d8		1.212	1.017	1.080	1.199	1.444	1.190	13.77
51)	T	4-Methyl-2-Pen...	0.290	0.342	0.392	0.388	0.379	0.414	0.367	12.11
52)	CM	Toluene	0.689	0.820	0.924	0.891	0.902	0.993	0.870	12.03#
53)	T	t-1,3-Dichloro...	0.408	0.471	0.518	0.505	0.521	0.576	0.500	11.31
54)	T	cis-1,3-Dichlo...	0.442	0.513	0.582	0.559	0.566	0.626	0.548	11.58
55)	T	1,1,2-Trichlor...	0.324	0.346	0.370	0.344	0.331	0.361	0.346	5.04
56)	T	Ethyl methacry...	0.264	0.382	0.448	0.457	0.497	0.557	0.434	23.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N021825W.M

57)	T	1,3-Dichloropr...	0.533	0.553	0.615	0.580	0.565	0.619	0.577	5.91
58)	T	2-Chloroethyl ...	0.133	0.176	0.170	0.249	0.174	0.266	0.195	26.24
59)	T	2-Hexanone	0.184	0.227	0.266	0.270	0.273	0.296	0.253	15.99
60)	T	Dibromochlorom...	0.355	0.384	0.431	0.405	0.402	0.440	0.403	7.70
61)	T	1,2-Dibromoethane	0.273	0.320	0.362	0.330	0.322	0.354	0.327	9.68
62)	S	4-Bromofluorob...		0.370	0.323	0.346	0.419	0.503	0.392	18.22
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.393	0.391	0.420	0.375	0.361	0.384	0.387	5.17
65)	PM	Chlorobenzene	1.109	1.139	1.212	1.119	1.110	1.183	1.145	3.75
66)	T	1,1,1,2-Tetrac...	0.408	0.402	0.444	0.401	0.395	0.420	0.412	4.31
67)	C	Ethyl Benzene	1.424	1.665	1.830	1.838	1.904	2.105	1.794	12.85#
68)	T	m/p-Xylenes	0.481	0.610	0.725	0.722	0.741	0.809	0.682	17.19
69)	T	o-Xylene	0.502	0.584	0.666	0.659	0.704	0.771	0.648	14.48
70)	T	Styrene	0.744	0.885	1.060	1.133	1.203	1.327	1.059	20.15
71)	P	Bromoform	0.274	0.301	0.322	0.309	0.303	0.327	0.306	6.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.933	3.067	3.623	3.484	3.596	3.851	3.425	10.31
74)	T	N-amyl acetate	1.072	1.117	1.263	1.245	1.241	1.311	1.208	7.67
75)	P	1,1,2,2-Tetrac...	1.271	1.218	1.304	1.154	1.053	1.073	1.179	8.77
76)	T	1,2,3-Trichlor...	1.324	1.161	1.145	1.122	0.947	0.964	1.111	12.59
77)	T	Bromobenzene	0.862	0.905	1.024	0.908	0.904	0.950	0.925	6.01
78)	T	n-propylbenzene	3.031	3.463	4.126	4.090	4.256	4.572	3.923	14.46
79)	T	2-Chlorotoluene	2.385	2.425	2.842	2.681	2.616	2.779	2.621	7.07
80)	T	1,3,5-Trimethy...	2.032	2.418	2.989	3.004	3.056	3.243	2.790	16.62
81)	T	trans-1,4-Dich...		0.339	0.392	0.367	0.397	0.409	0.381	7.38
82)	T	4-Chlorotoluene	2.201	2.437	2.837	2.643	2.658	2.815	2.598	9.32
83)	T	tert-Butylbenzene	1.802	2.119	2.432	2.421	2.578	2.727	2.346	14.27
84)	T	1,2,4-Trimethy...	1.838	2.387	2.937	3.018	3.078	3.306	2.761	19.75
85)	T	sec-Butylbenzene	2.486	2.938	3.534	3.417	3.653	3.864	3.315	15.40
86)	T	p-Isopropyltol...	1.779	2.288	2.776	2.804	3.045	3.299	2.665	20.58
87)	T	1,3-Dichlorobe...	1.748	1.697	1.876	1.675	1.635	1.772	1.734	4.93
88)	T	1,4-Dichlorobe...	1.921	1.777	1.884	1.684	1.647	1.750	1.777	6.08
89)	T	n-Butylbenzene	2.102	2.032	2.338	2.271	2.551	2.829	2.354	12.58
90)	T	Hexachloroethane	0.707	0.629	0.635	0.589	0.587	0.620	0.628	6.99
91)	T	1,2-Dichlorobe...	1.744	1.642	1.768	1.617	1.574	1.660	1.667	4.48
92)	T	1,2-Dibromo-3-...	0.256	0.222	0.238	0.191	0.193	0.198	0.216	12.42
93)	T	1,2,4-Trichlor...	0.829	0.728	0.827	0.704	0.802	0.877	0.794	8.31
94)	T	Hexachlorobuta...	0.649	0.481	0.503	0.405	0.424	0.435	0.483	18.51
95)	T	Naphthalene	2.397	1.858	2.160	1.821	2.324	2.527	2.181	13.31
96)	T	1,2,3-Trichlor...	0.917	0.736	0.844	0.675	0.789	0.825	0.798	10.65

(#) = Out of Range



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Coef of Det (r^2) = 0.999965 Curve Fit: Quadratic
Method: \\chfs2\vgsrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Calibration Table Last Updated: Wed Feb 19 03:43:32 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	290979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	458183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	412615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	406028	107.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 215.260%#			
35) Dibromofluoromethane	8.159	113	343729	114.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 229.300%#			
50) Toluene-d8	10.559	98	1323681	121.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 242.700%#			
62) 4-Bromofluorobenzene	12.841	95	460996	128.269	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 256.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	403621	101.979	ug/l	99
3) Chloromethane	2.359	50	376343	94.759	ug/l	99
4) Vinyl Chloride	2.512	62	406434	96.652	ug/l	100
5) Bromomethane	2.948	94	252576	93.935	ug/l	99
6) Chloroethane	3.118	64	260404	93.490	ug/l	97
7) Trichlorofluoromethane	3.495	101	587970	96.574	ug/l	98
8) Diethyl Ether	3.959	74	199406	101.225	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	350536	99.604	ug/l	98
10) Methyl Iodide	4.583	142	444531	102.472	ug/l	98
11) Tert butyl alcohol	5.506	59	210616	453.930	ug/l	100
12) 1,1-Dichloroethene	4.336	96	323037	101.234	ug/l	96
13) Acrolein	4.171	56	337091	489.916	ug/l	98
14) Allyl chloride	5.018	41	434760	103.773	ug/l	97
15) Acrylonitrile	5.706	53	761272	504.697	ug/l	99
16) Acetone	4.418	43	567220	475.190	ug/l	99
17) Carbon Disulfide	4.706	76	910987	96.328	ug/l	99
18) Methyl Acetate	5.012	43	379901	92.531	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	1016766	107.229	ug/l	100
20) Methylene Chloride	5.271	84	365222	95.142	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	340161	99.001	ug/l	96
22) Diisopropyl ether	6.665	45	1015041	107.223	ug/l	99
23) Vinyl Acetate	6.594	43	3542783	548.253	ug/l	100
24) 1,1-Dichloroethane	6.565	63	638203	99.172	ug/l	98
25) 2-Butanone	7.471	43	896027	510.235	ug/l	100
26) 2,2-Dichloropropane	7.483	77	572429	100.033	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	410066	102.929	ug/l	99
28) Bromochloromethane	7.806	49	280092	105.895	ug/l	97
29) Tetrahydrofuran	7.830	42	599504	528.664	ug/l	100
30) Chloroform	7.959	83	651761	96.914	ug/l	99
31) Cyclohexane	8.253	56	511031	94.843	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	589206	98.502	ug/l	98
36) 1,1-Dichloropropene	8.365	75	466531	109.949	ug/l	99
37) Ethyl Acetate	7.553	43	366887	105.069	ug/l	99
38) Carbon Tetrachloride	8.353	117	524870	104.105	ug/l	98
39) Methylcyclohexane	9.594	83	513492	123.184	ug/l	98
40) Benzene	8.600	78	1448660	106.522	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	203689	109.119	ug/l		95
42) 1,2-Dichloroethane	8.665	62	457707	103.326	ug/l		100
43) Isopropyl Acetate	8.683	43	616521	101.163	ug/l		98
44) Trichloroethene	9.347	130	339019	101.529	ug/l		100
45) 1,2-Dichloropropane	9.618	63	345721	105.316	ug/l		99
46) Dibromomethane	9.700	93	243628	105.216	ug/l		100
47) Bromodichloromethane	9.883	83	521496	105.269	ug/l		99
48) Methyl methacrylate	9.677	41	304067	117.252	ug/l		100
49) 1,4-Dioxane	9.688	88	100443	2036.793	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	1896777	563.403	ug/l		100
52) Toluene	10.624	92	910251	114.182	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	527815	115.223	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	573653	114.202	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	330642	104.317	ug/l		99
56) Ethyl methacrylate	10.871	69	510041	100.007	ug/l		100
57) 1,3-Dichloropropane	11.159	76	567039	107.169	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	1216927	502.158	ug/l		99
59) 2-Hexanone	11.188	43	1358126	586.394	ug/l		99
60) Dibromochloromethane	11.353	129	402920	109.169	ug/l		99
61) 1,2-Dibromoethane	11.465	107	324747	108.439	ug/l		99
64) Tetrachloroethene	11.100	164	316658	99.063	ug/l		97
65) Chlorobenzene	11.888	112	976337	103.290	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	346777	102.068	ug/l		100
67) Ethyl Benzene	11.959	91	1736848	117.301	ug/l		100
68) m/p-Xylenes	12.065	106	1335750	237.496	ug/l		99
69) o-Xylene	12.394	106	635879	118.977	ug/l		99
70) Styrene	12.406	104	1095464	100.012	ug/l		100
71) Bromoform	12.576	173	269816	106.877	ug/l	#	98
73) Isopropylbenzene	12.688	105	1605096	112.422	ug/l		100
74) N-amyl acetate	12.488	43	546485	108.541	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	447332	91.050	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	401864m	87.774	ug/l		
77) Bromobenzene	12.976	156	395882	102.631	ug/l		100
78) n-propylbenzene	13.029	91	1905758	116.552	ug/l		100
79) 2-Chlorotoluene	13.118	91	1158348	106.029	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	1351753	116.226	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	170494	107.459	ug/l		96
82) 4-Chlorotoluene	13.218	91	1173182	108.322	ug/l		99
83) tert-Butylbenzene	13.435	119	1136802	116.235	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	1378080	119.764	ug/l		100
85) sec-Butylbenzene	13.612	105	1610382	116.540	ug/l		100
86) p-Isopropyltoluene	13.723	119	1374884	99.983	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	738679	102.213	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	729470	98.484	ug/l		99
89) n-Butylbenzene	14.053	91	1179057	120.179	ug/l		99
90) Hexachloroethane	14.329	117	258559	98.800	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	691905	99.562	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	82545	91.495	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	365599	110.404	ug/l		99
94) Hexachlorobutadiene	15.494	225	181264	90.068	ug/l		98
95) Naphthalene	15.635	128	1053414	115.870	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	343936	103.456	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

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

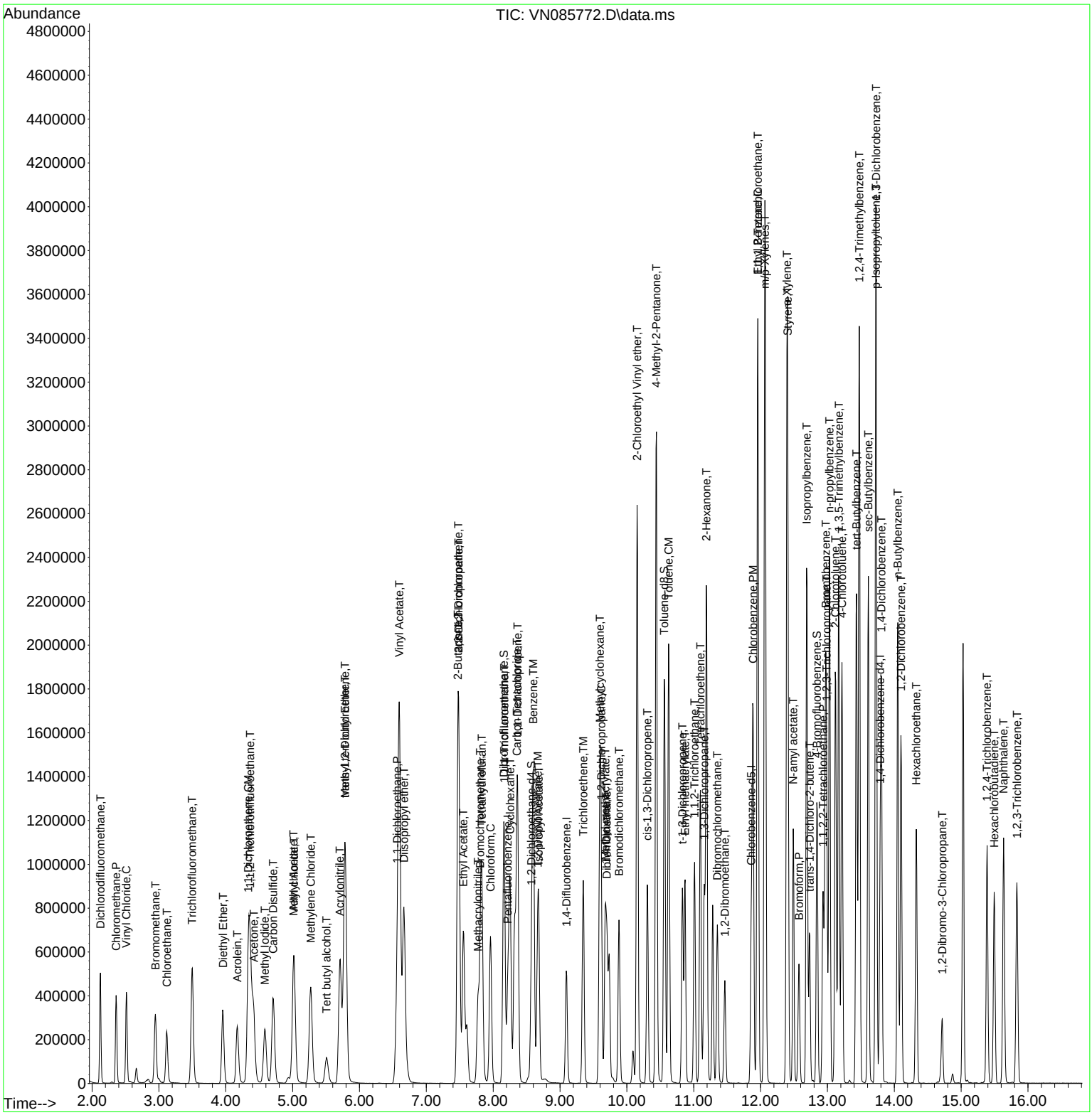
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

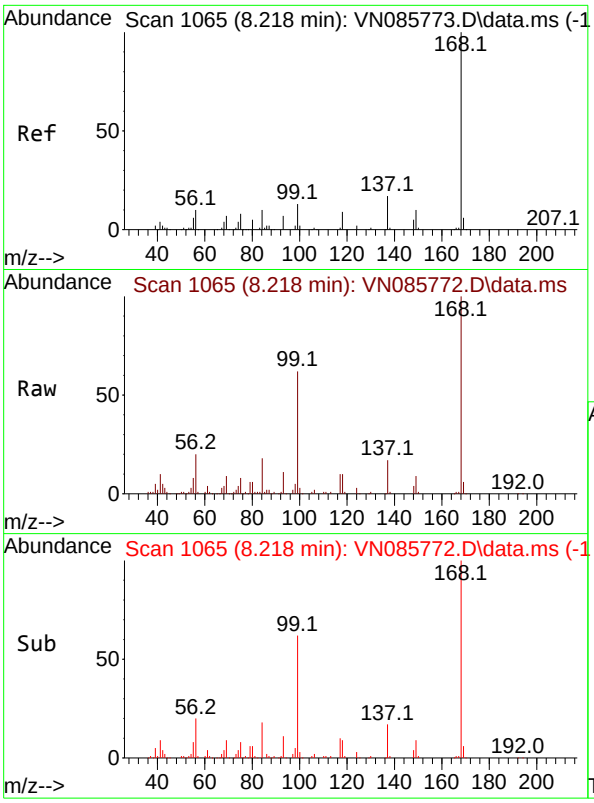
Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:168 Resp: 29097

Ion	Ratio	Lower	Upper
168	100		
99	62.1	47.9	71.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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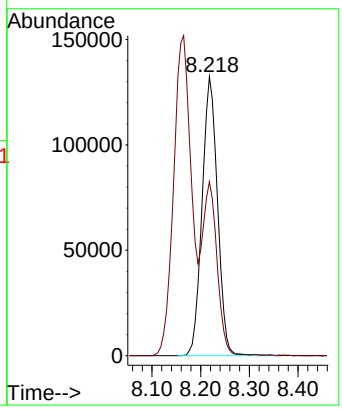
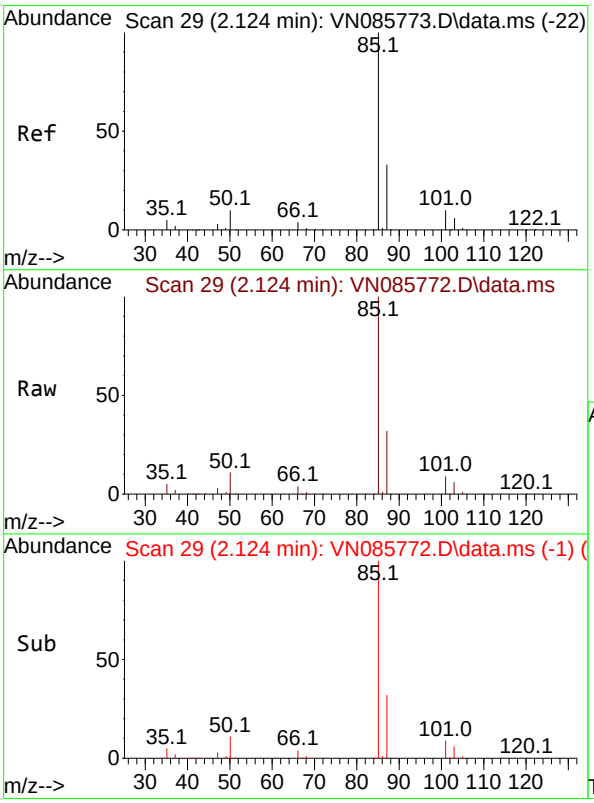
Supervised By :Mahesh Dadoda 02/19/2025

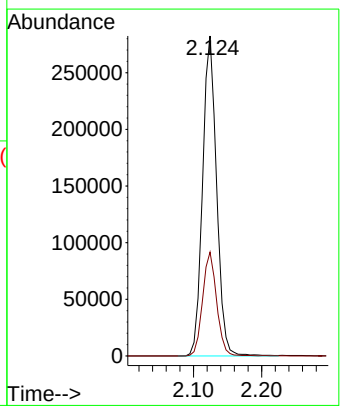


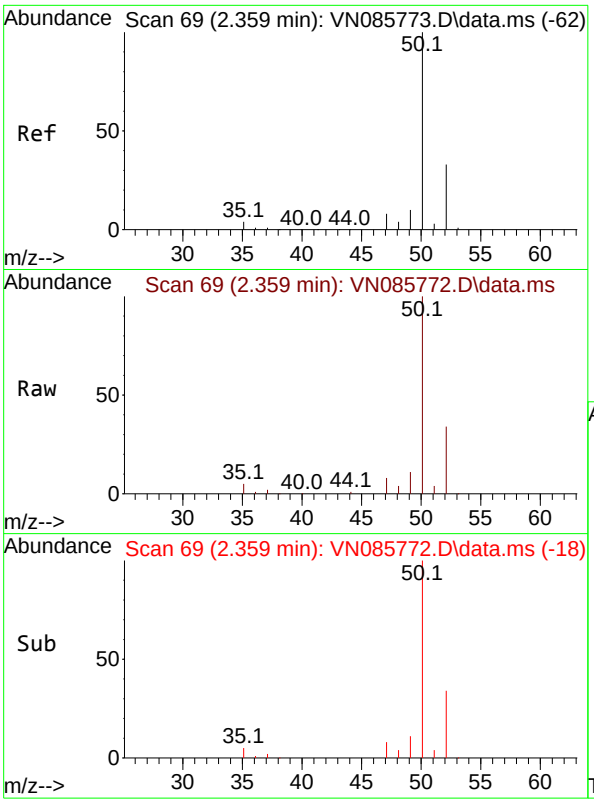


#2
Dichlorodifluoromethane
Concen: 101.979 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 85 Resp: 403621

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.4	49.2

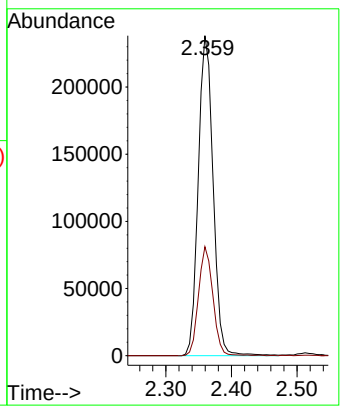




#3
Chloromethane
Concen: 94.759 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 50 Resp: 37634

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.7	40.1



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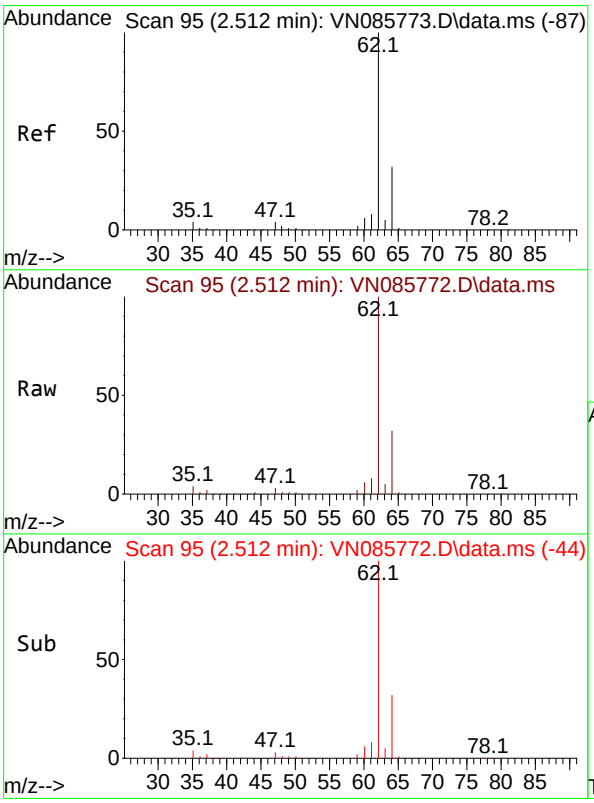
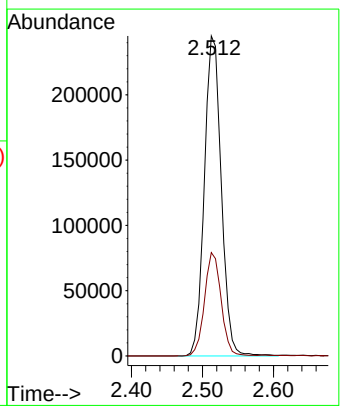
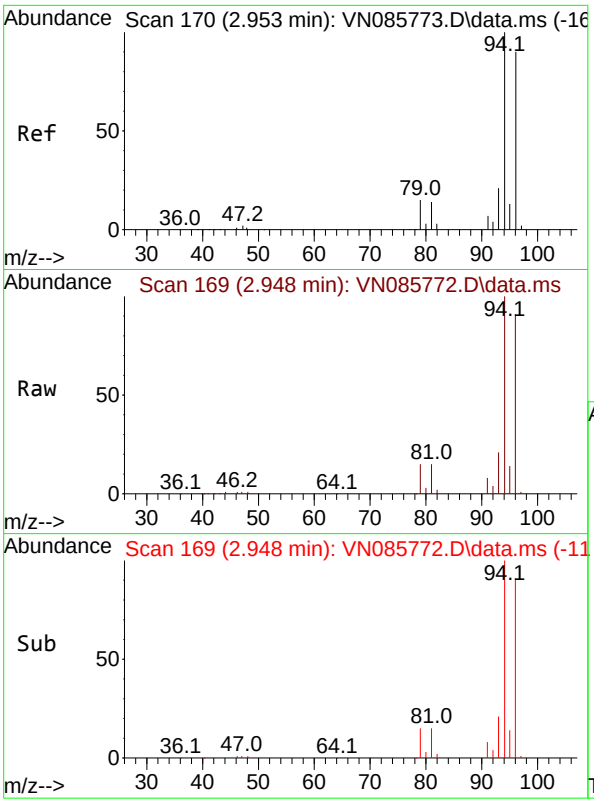


#4
Vinyl Chloride
Concen: 96.652 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 62 Resp: 406434

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.9	38.9

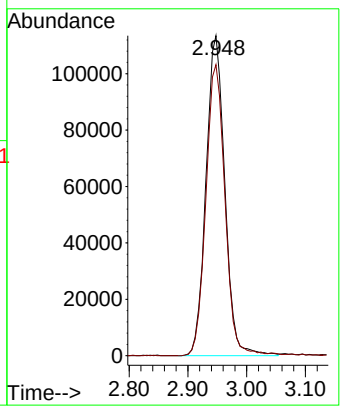




#5
Bromomethane
Concen: 93.935 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 94 Resp: 25257

Ion	Ratio	Lower	Upper
94	100		
96	91.0	71.7	107.5



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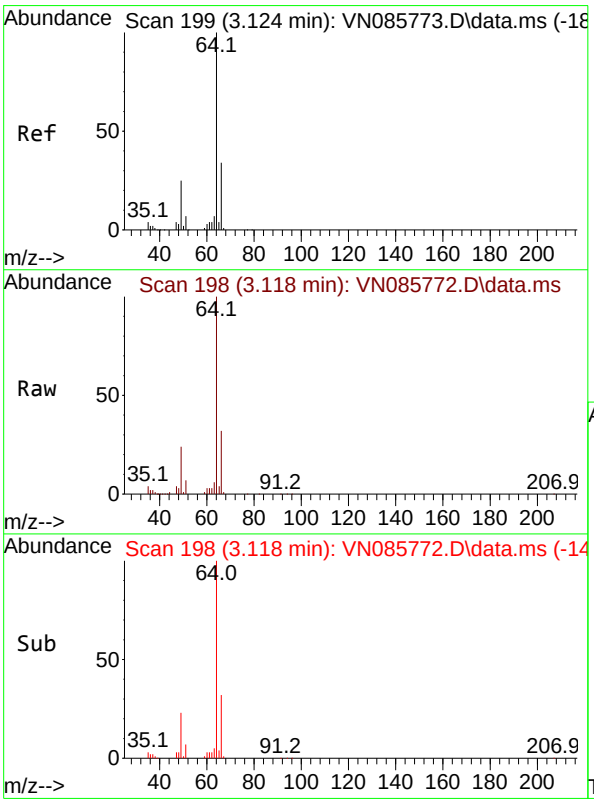
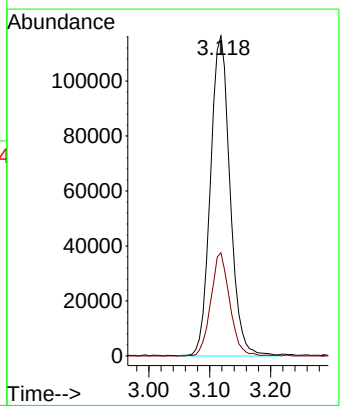
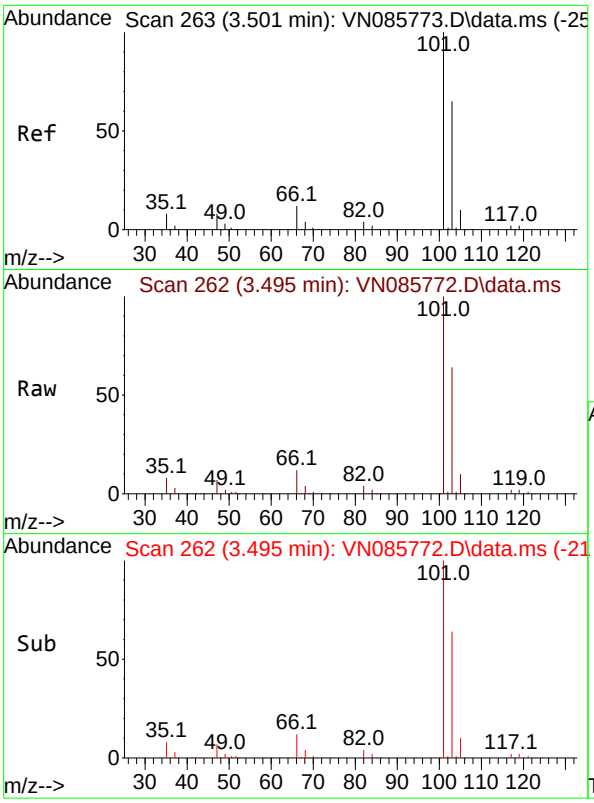


#6
Chloroethane
Concen: 93.490 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 64 Resp: 260404

Ion	Ratio	Lower	Upper
64	100		
66	32.2	27.0	40.6





#7
Trichlorofluoromethane
Concen: 96.574 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:101 Resp: 58797

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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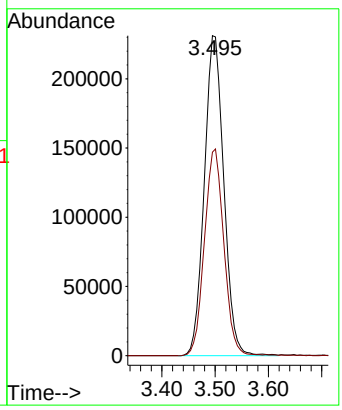
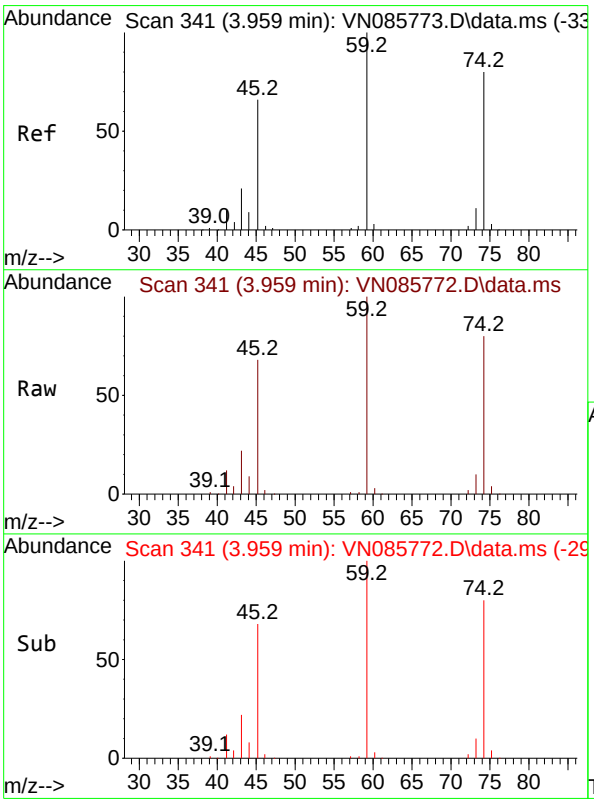
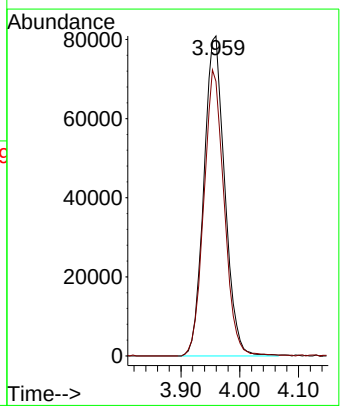


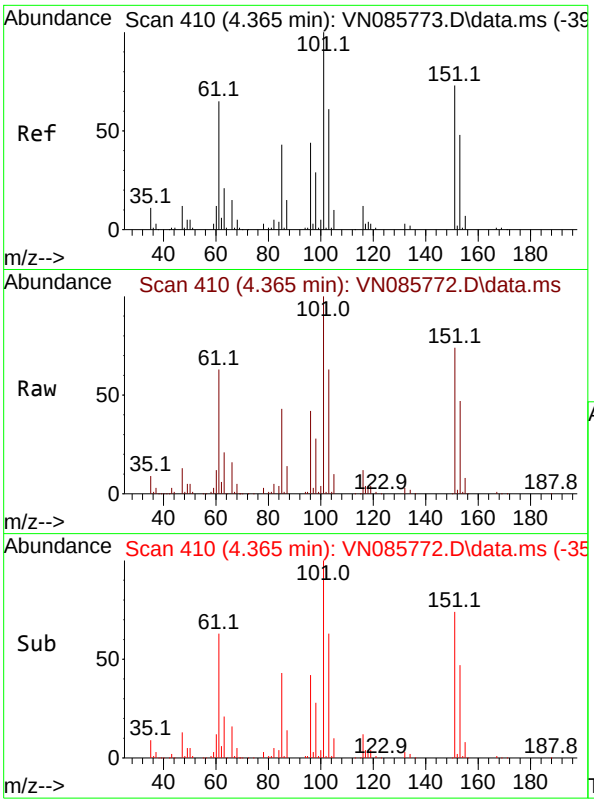


#8
Diethyl Ether
Concen: 101.225 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 74 Resp: 199406

Ion	Ratio	Lower	Upper
74	100		
45	87.3	42.5	127.6

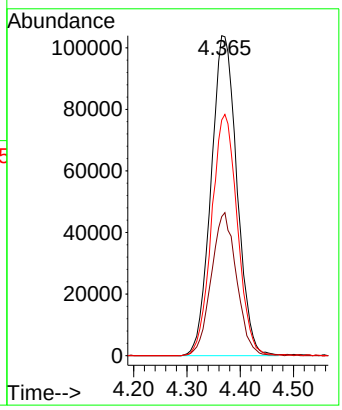




#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.604 ug/l
RT: 4.365 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:101 Resp: 35053

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.7	53.5
151	75.0	61.4	92.2



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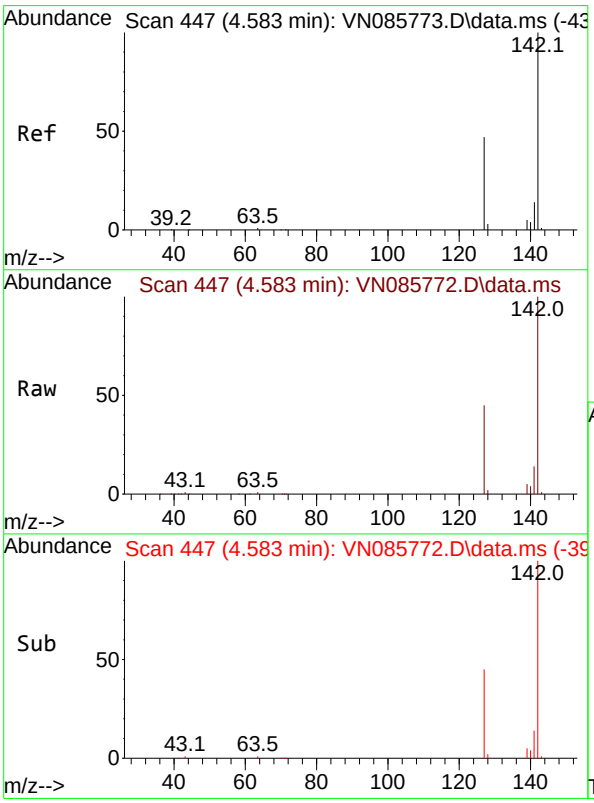
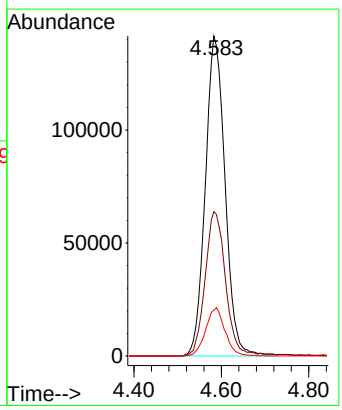
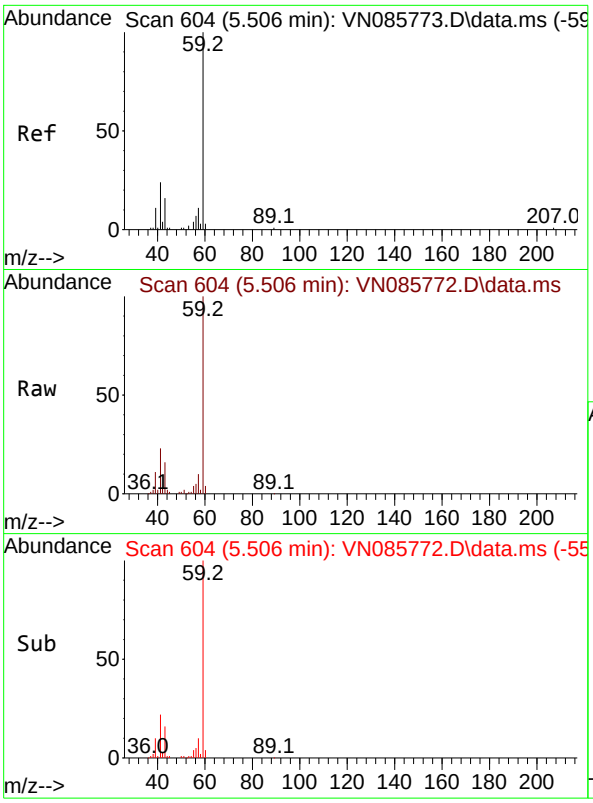


#10
Methyl Iodide
Concen: 102.472 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:142 Resp: 444531

Ion	Ratio	Lower	Upper
142	100		
127	45.1	37.6	56.4
141	14.3	11.4	17.2

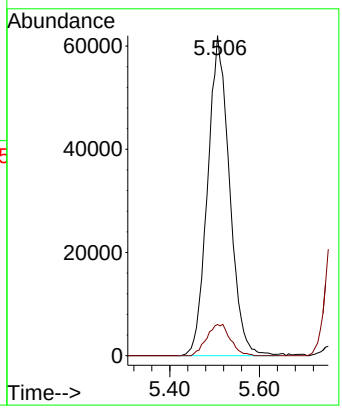




#11
Tert butyl alcohol
Concen: 453.930 ug/l
RT: 5.506 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 59 Resp: 21061

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
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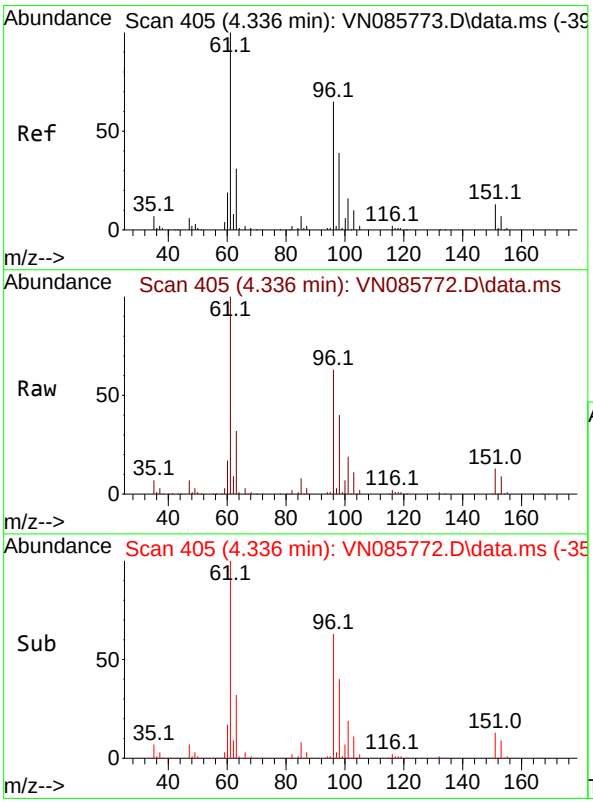
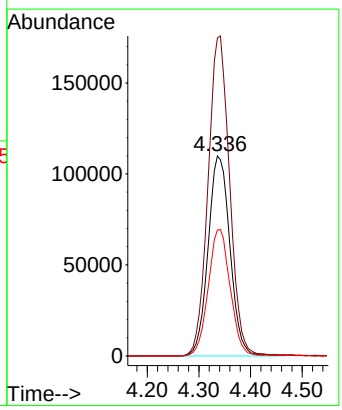
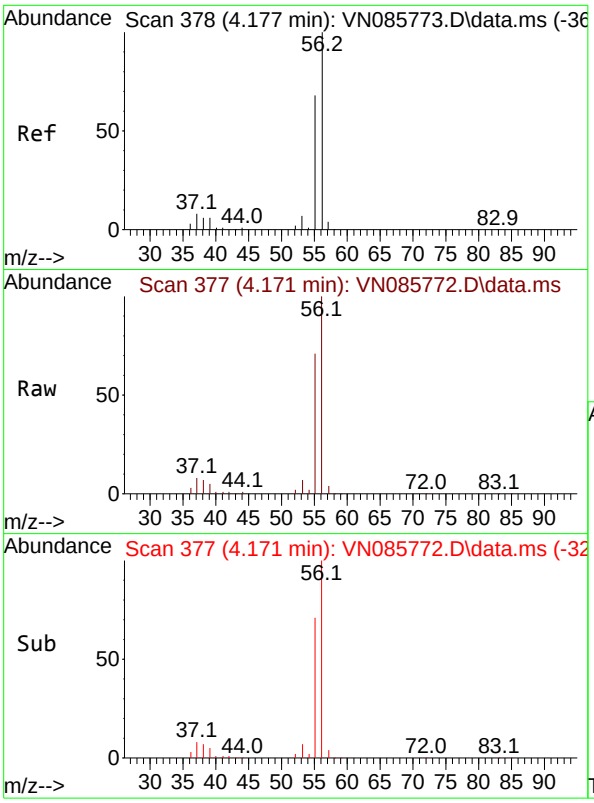


#12
1,1-Dichloroethene
Concen: 101.234 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 96 Resp: 323037

Ion	Ratio	Lower	Upper
96	100		
61	159.1	123.3	184.9
98	63.0	48.6	72.8

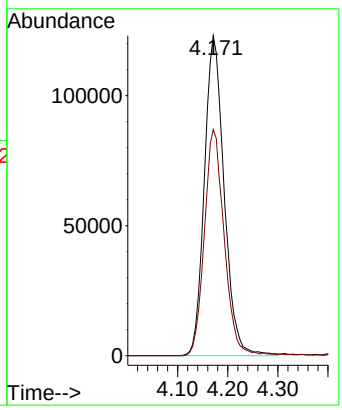




#13
Acrolein
Concen: 489.916 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 56 Resp: 33709

Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.3	82.9



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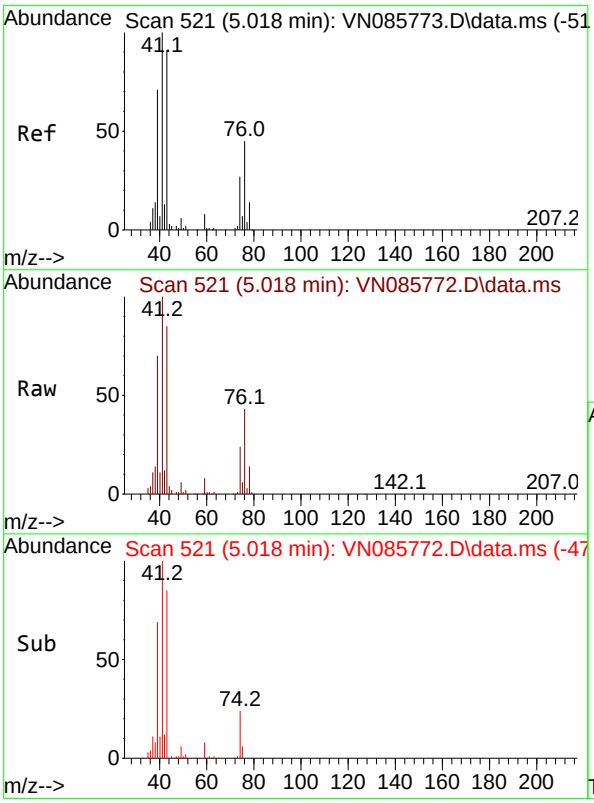
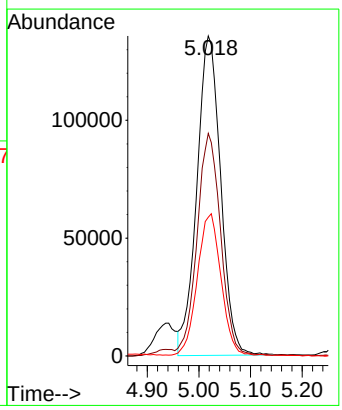
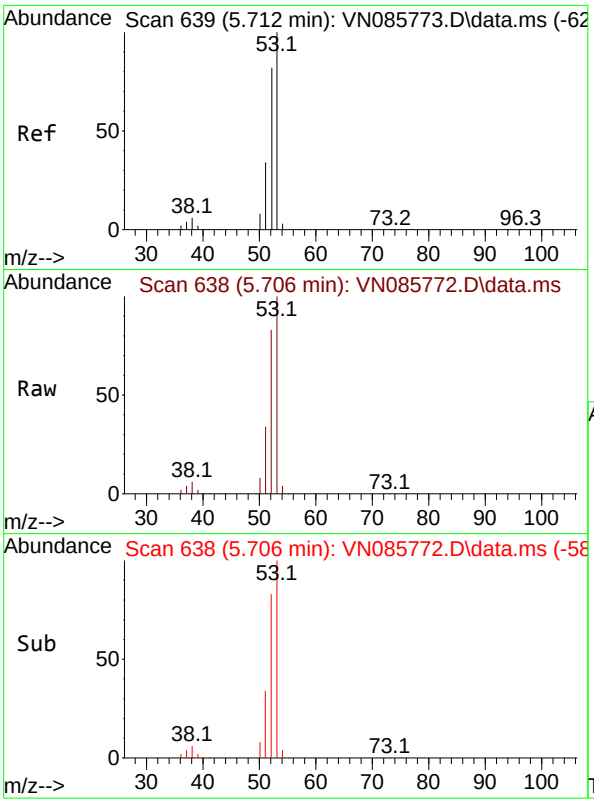


#14
Allyl chloride
Concen: 103.773 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 41 Resp: 434760

Ion	Ratio	Lower	Upper
41	100		
39	68.8	57.4	86.2
76	43.6	36.2	54.2

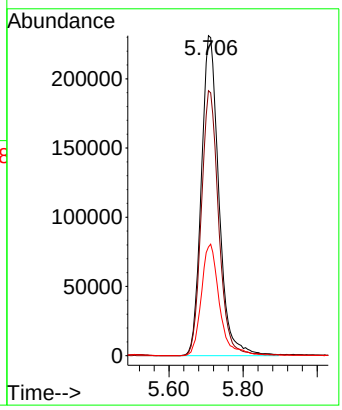




#15
Acrylonitrile
Concen: 504.697 ug/l
RT: 5.706 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 53 Resp: 76127

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.8	98.6
51	36.1	28.6	42.8



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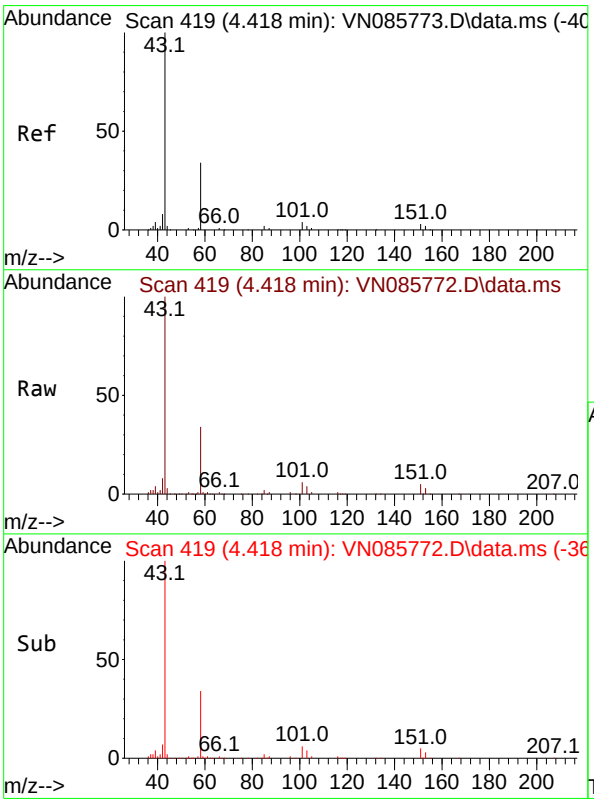
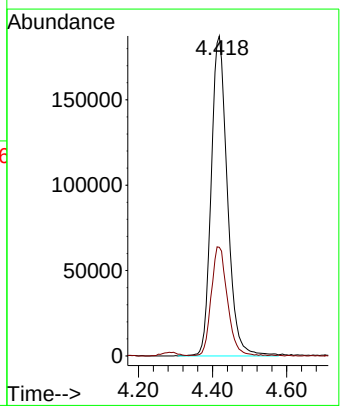
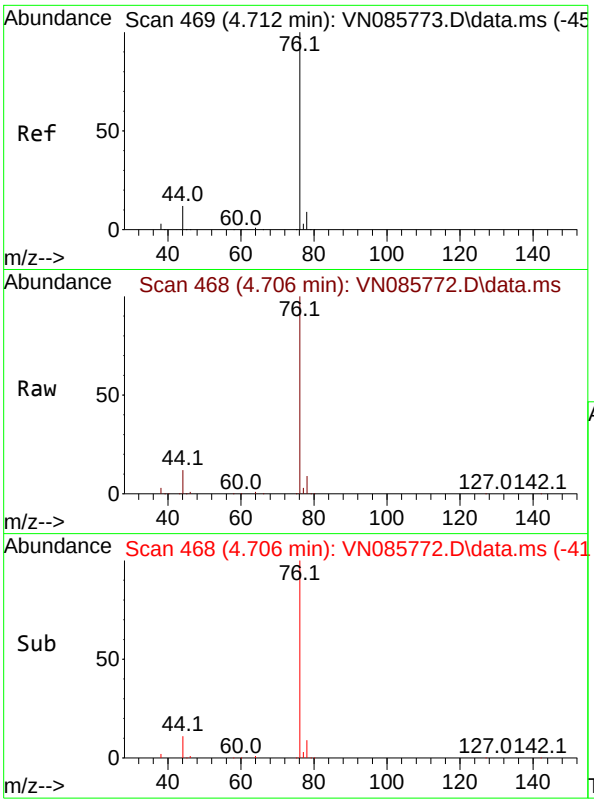


#16
Acetone
Concen: 475.190 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 567220

Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.5	41.3

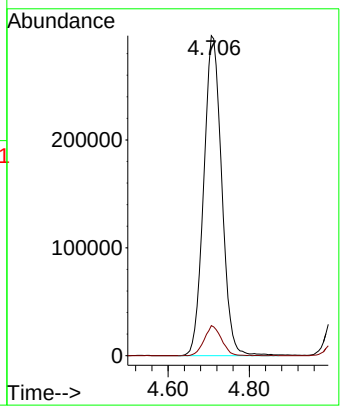




#17
Carbon Disulfide
Concen: 96.328 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 76 Resp: 91098

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0



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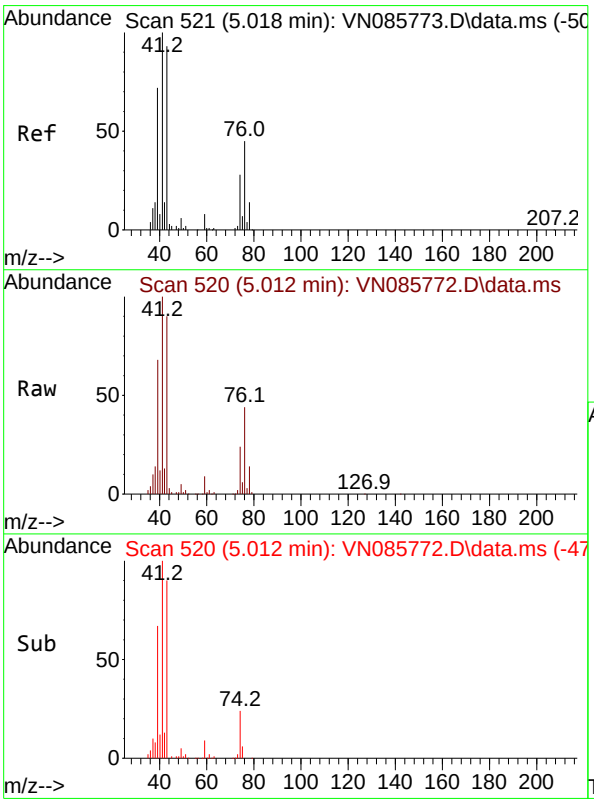
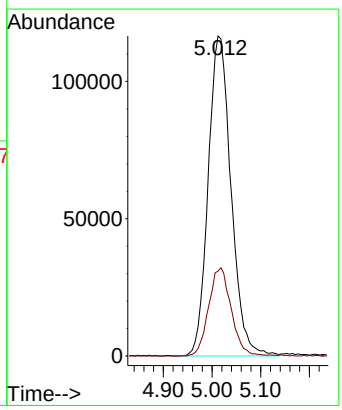
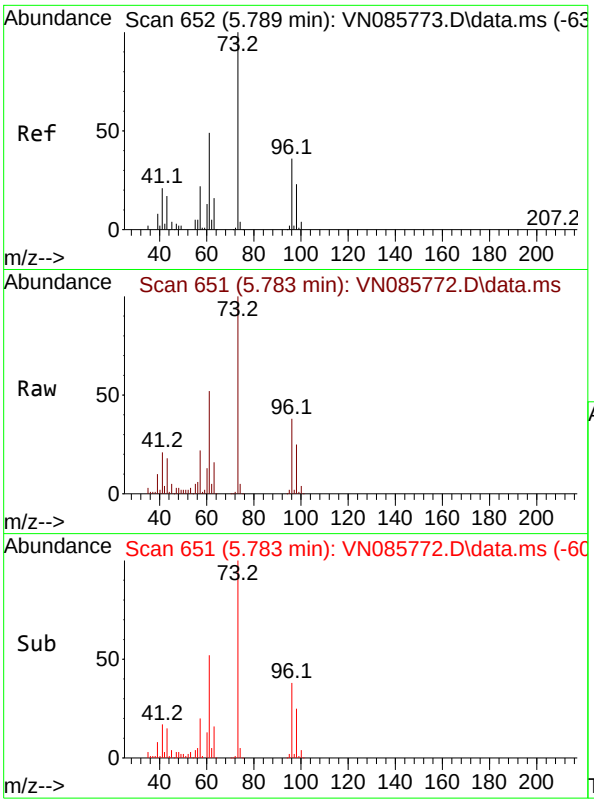


#18
Methyl Acetate
Concen: 92.531 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 379901

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4

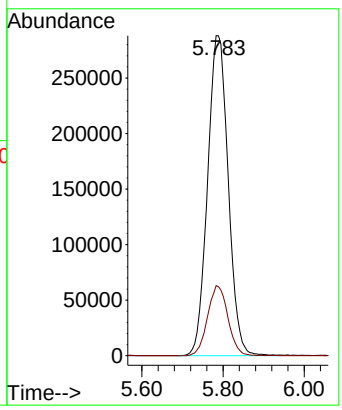




#19
Methyl tert-butyl Ether
Concen: 107.229 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 73 Resp: 101676

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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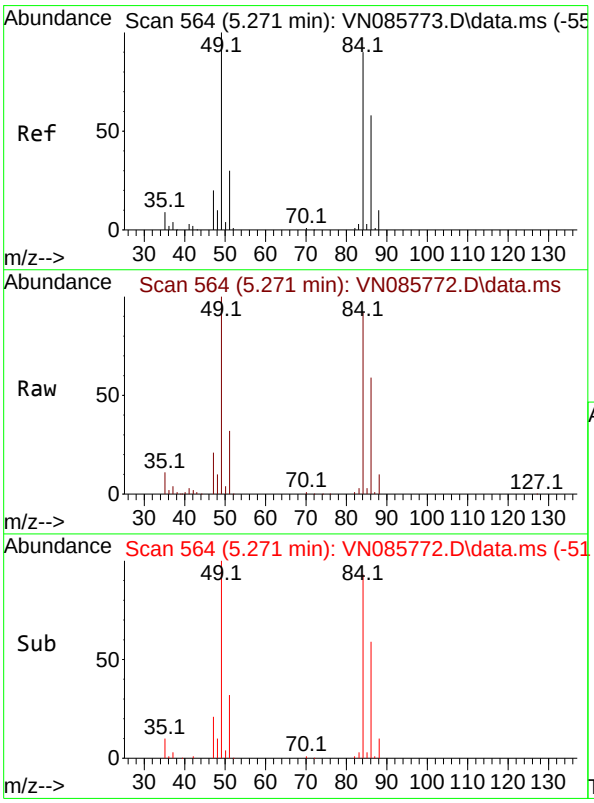
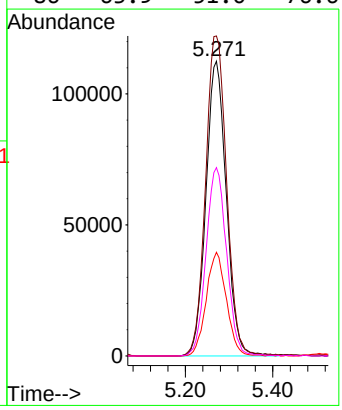
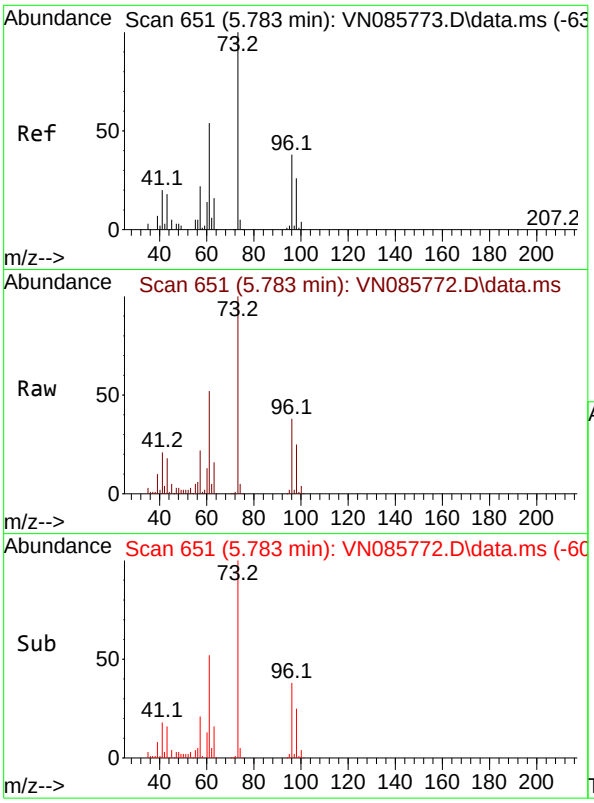


#20
Methylene Chloride
Concen: 95.142 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 84 Resp: 365222

Ion	Ratio	Lower	Upper
84	100		
49	108.6	88.4	132.6
51	35.2	26.6	40.0
86	63.9	51.0	76.6

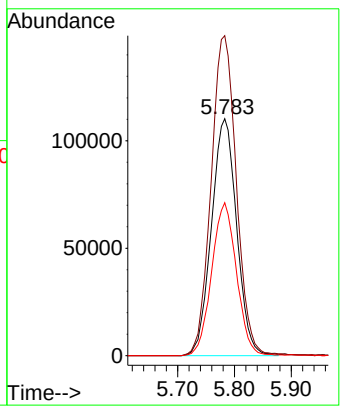




#21
trans-1,2-Dichloroethene
Concen: 99.001 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 96 Resp: 34016

Ion	Ratio	Lower	Upper
96	100		
61	135.0	112.6	168.8
98	64.5	53.3	79.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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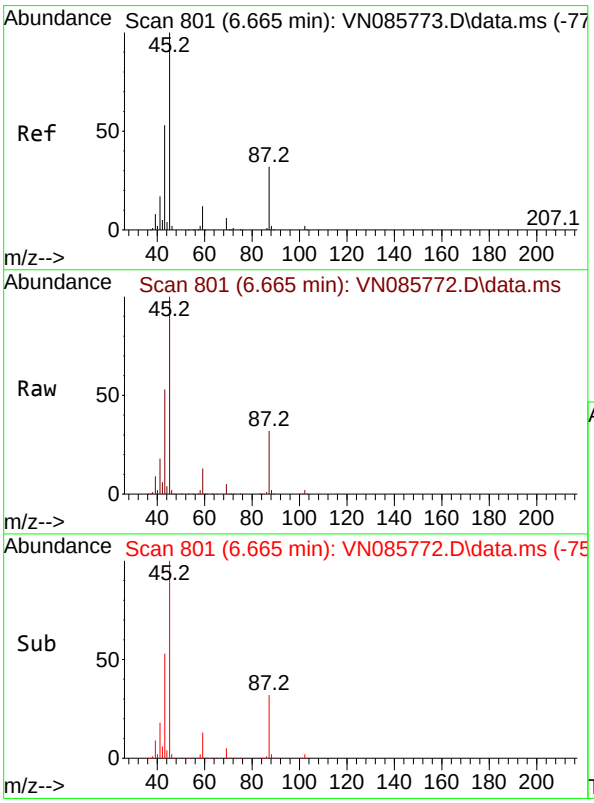
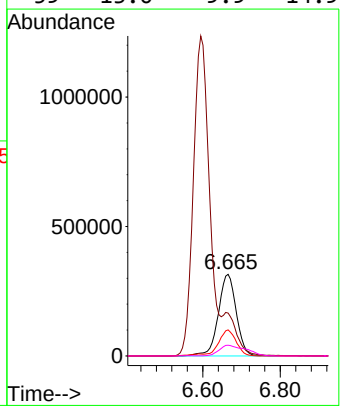
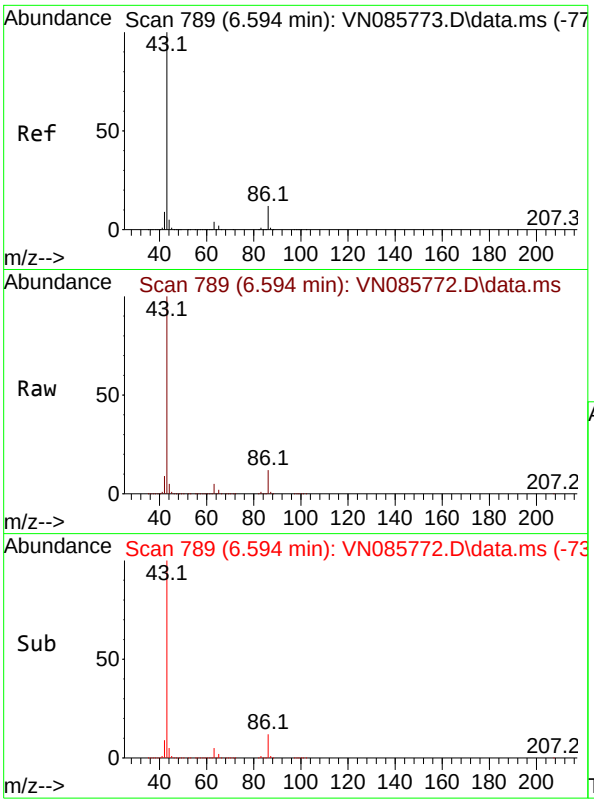


#22
Diisopropyl ether
Concen: 107.223 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 45 Resp: 1015041

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.6	64.0
87	31.9	25.8	38.8
59	13.0	9.9	14.9

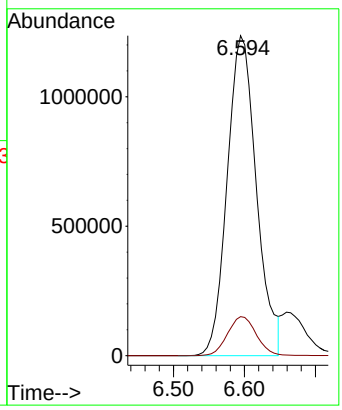




#23
Vinyl Acetate
Concen: 548.253 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 354278

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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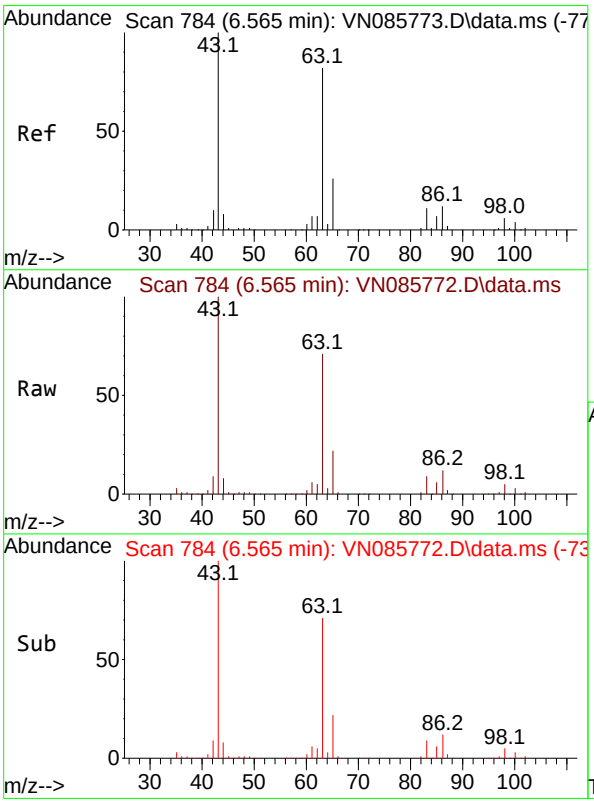
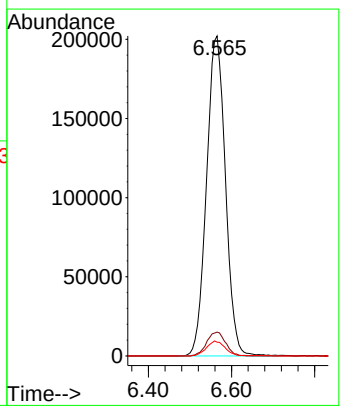
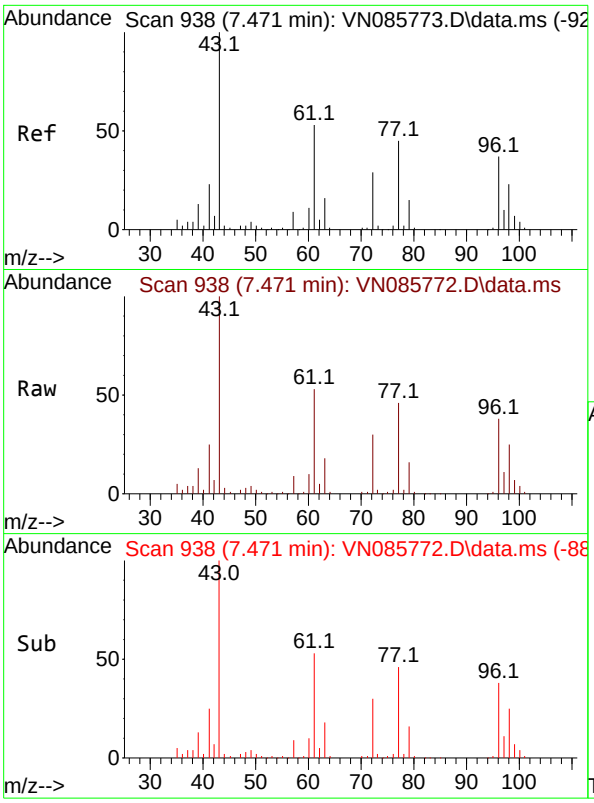


#24
1,1-Dichloroethane
Concen: 99.172 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 63 Resp: 638203

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.3	2.4	7.2





#25
2-Butanone
Concen: 510.235 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 89602

Ion	Ratio	Lower	Upper
43	100		
72	29.6	23.6	35.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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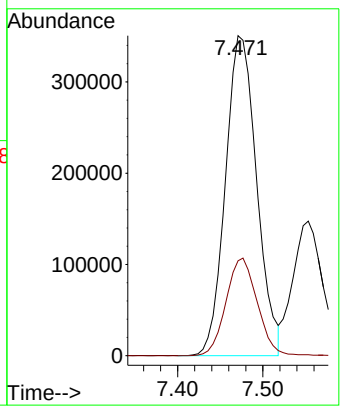
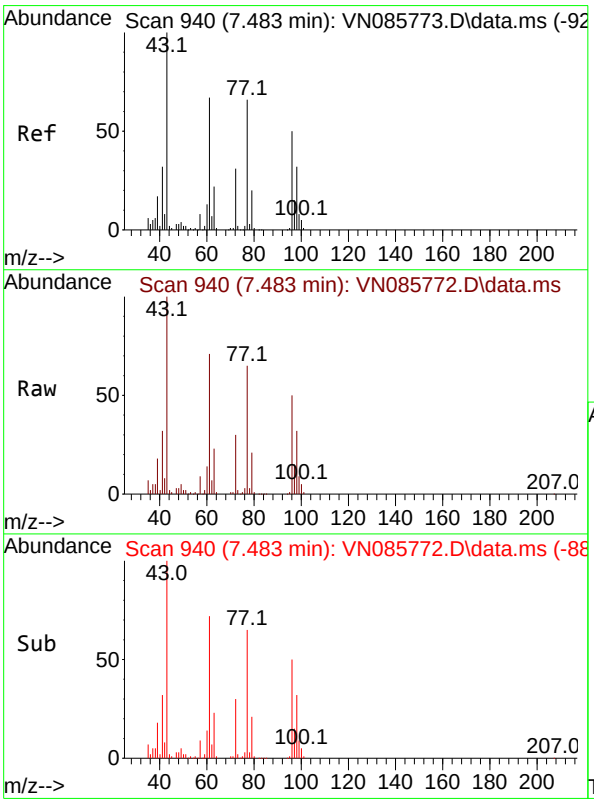
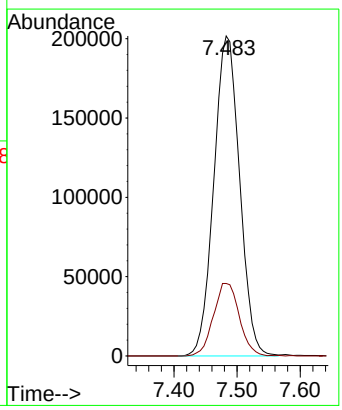


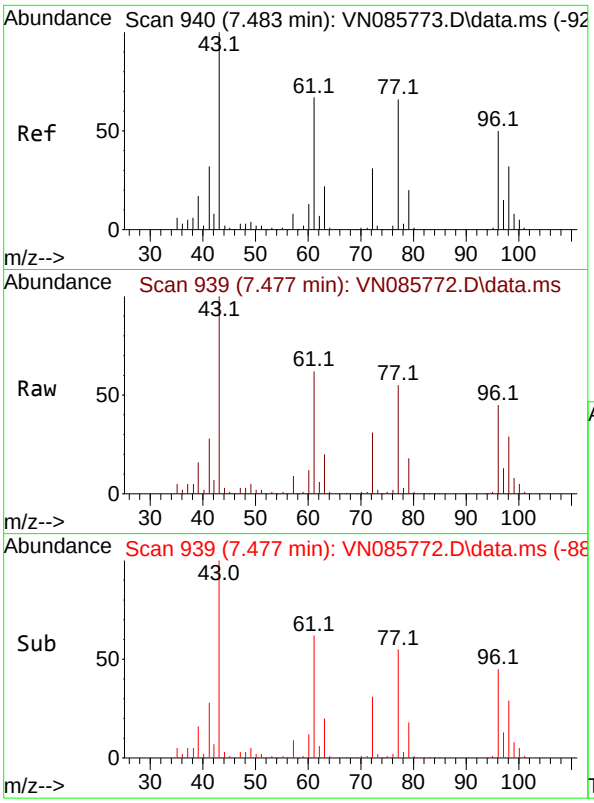


#26
2,2-Dichloropropane
Concen: 100.033 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 77 Resp: 572429

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.3	33.8

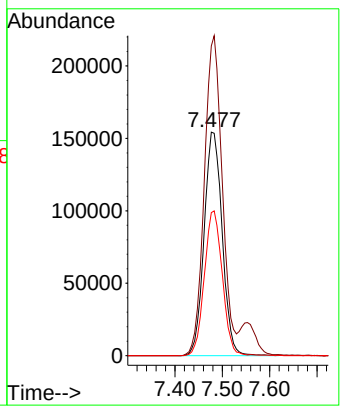




#27
cis-1,2-Dichloroethene
Concen: 102.929 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 96 Resp: 41006

Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	280.6
98	64.4	0.0	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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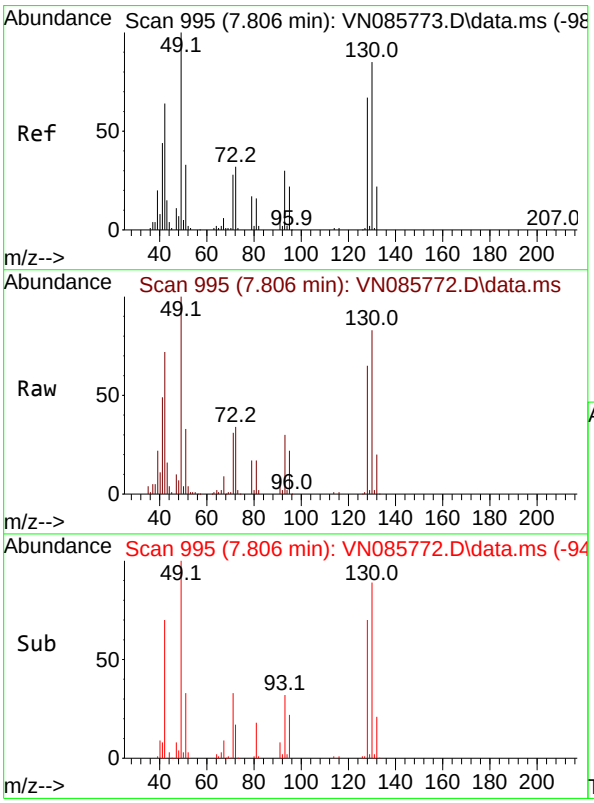
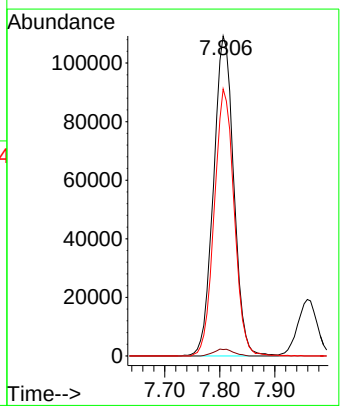
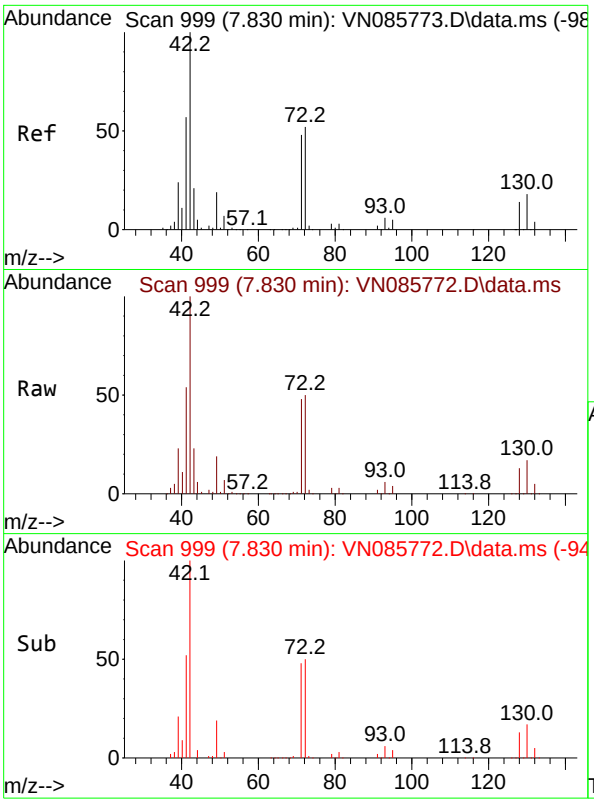


#28
Bromochloromethane
Concen: 105.895 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 49 Resp: 280092

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.9	68.0	102.0

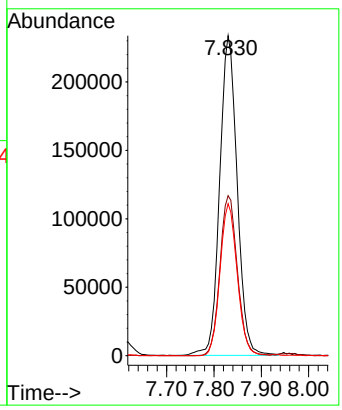




#29
Tetrahydrofuran
Concen: 528.664 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 42 Resp: 59950

Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.0	60.0
71	46.7	37.0	55.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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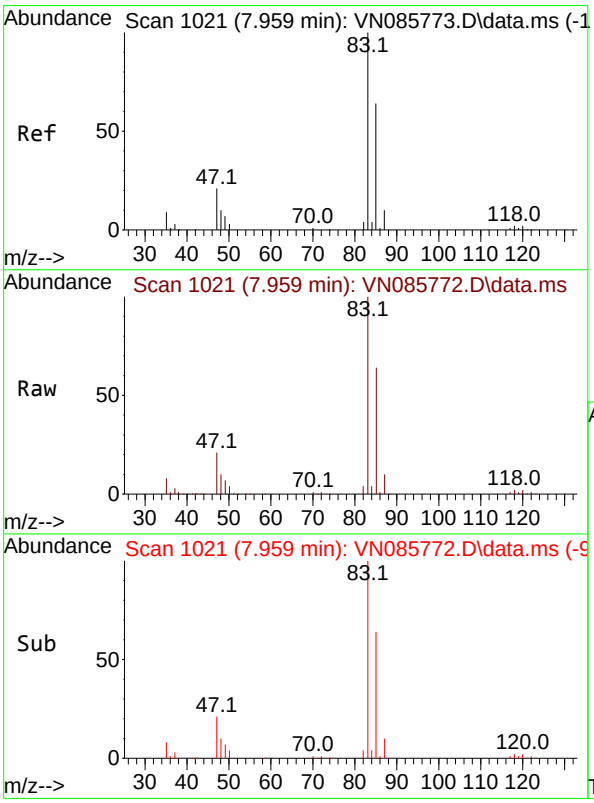
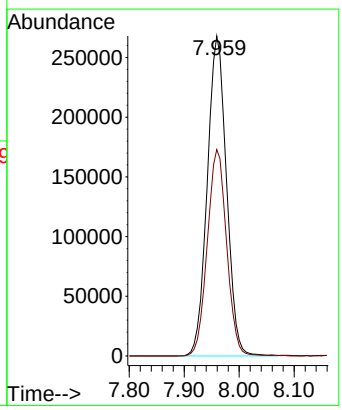
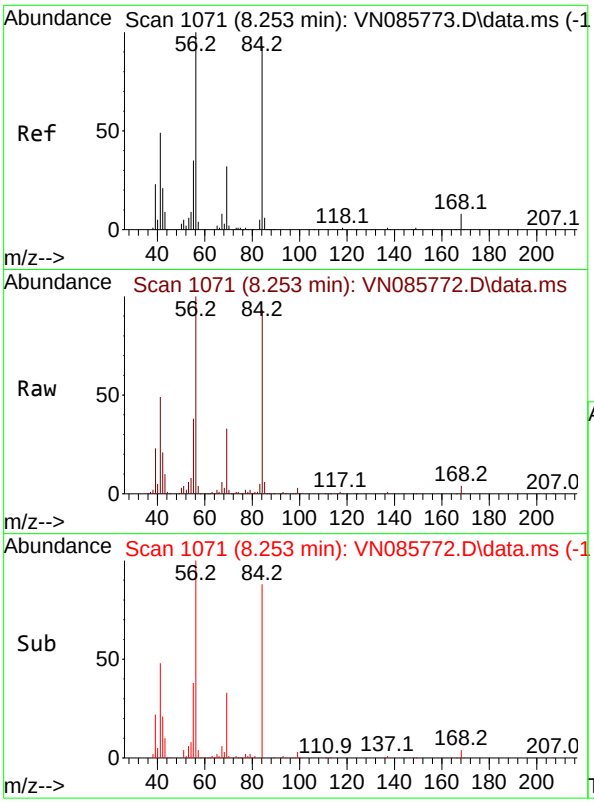


#30
Chloroform
Concen: 96.914 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 83 Resp: 651761

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3

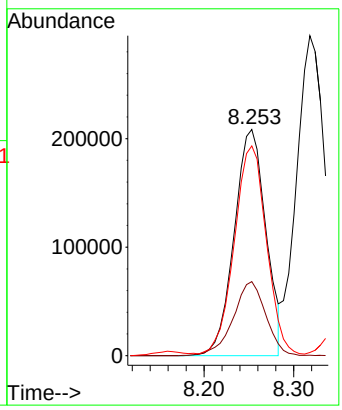




#31
Cyclohexane
Concen: 94.843 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 56 Resp: 51103

Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.8	38.6
84	91.2	74.5	111.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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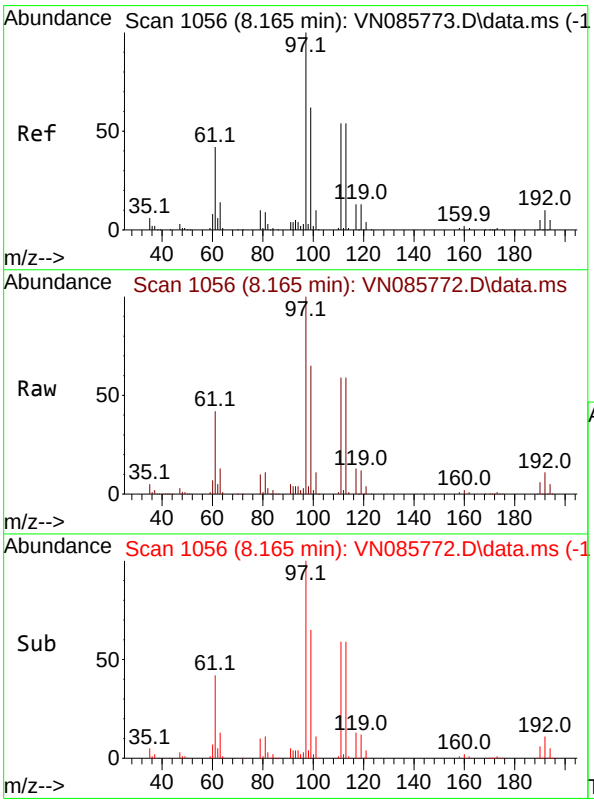
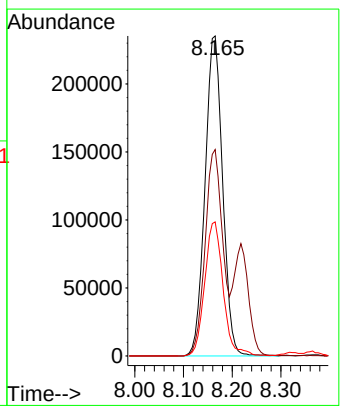
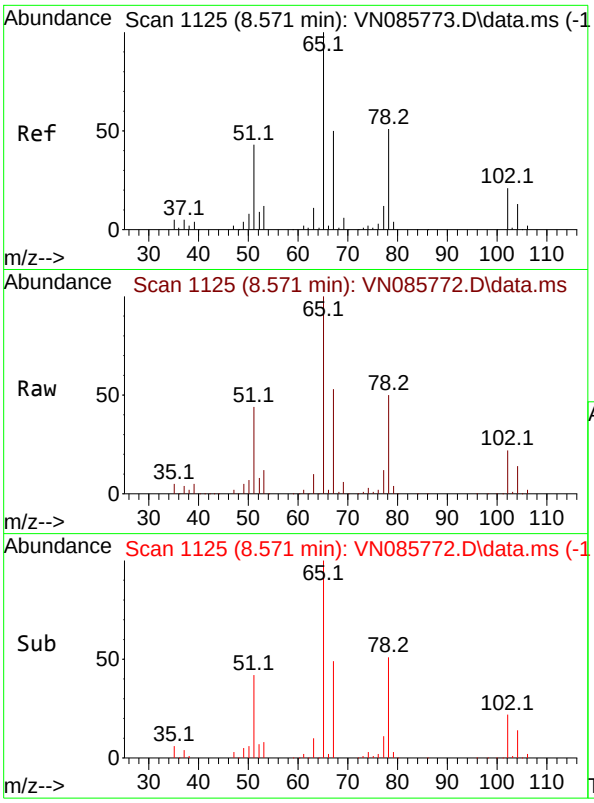


#32
1,1,1-Trichloroethane
Concen: 98.502 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 97 Resp: 589206

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.4	75.6
61	43.9	35.5	53.3

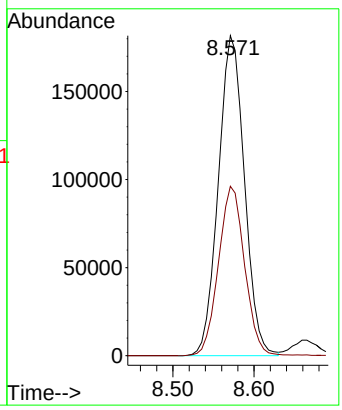




#33
1,2-Dichloroethane-d4
Concen: 107.630 ug/l
RT: 8.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 65 Resp: 40602

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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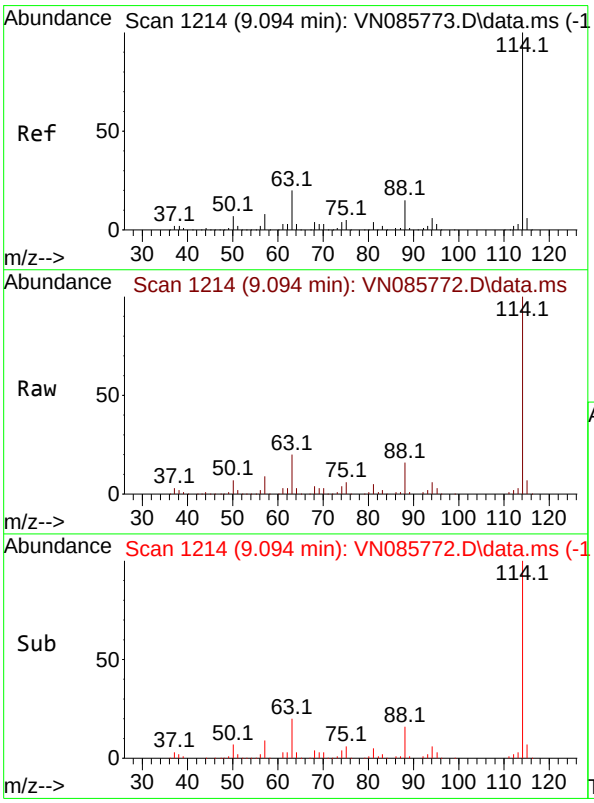
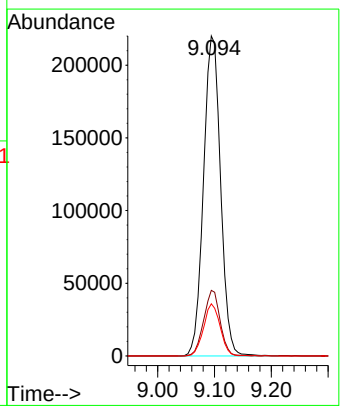
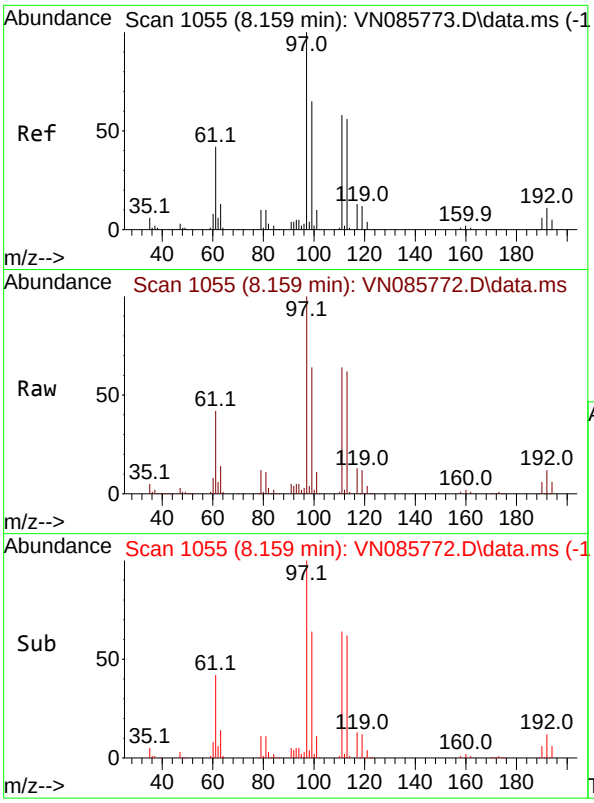


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:114 Resp: 458183

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.2
88	16.3	0.0	30.0

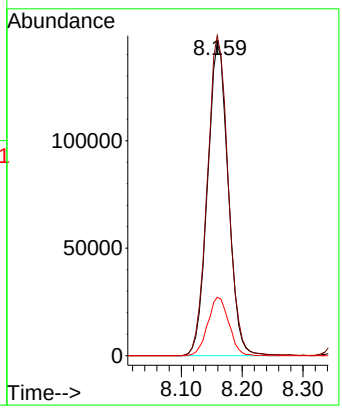




#35
Dibromofluoromethane
Concen: 114.648 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:113 Resp: 34372

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	18.9	14.7	22.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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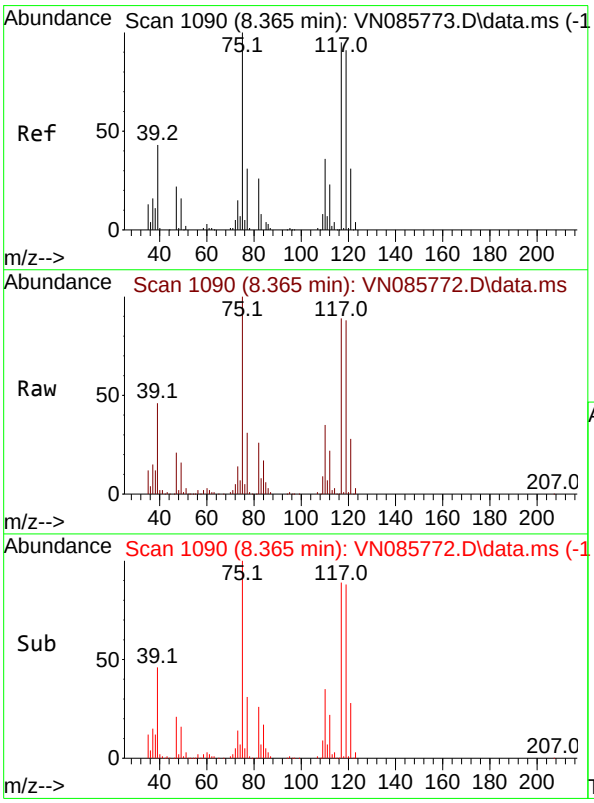
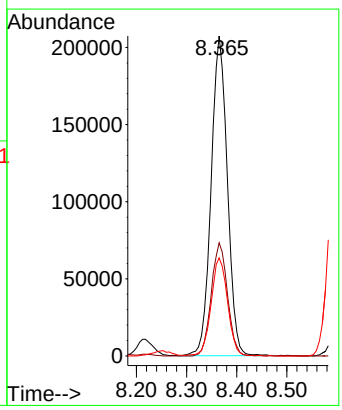
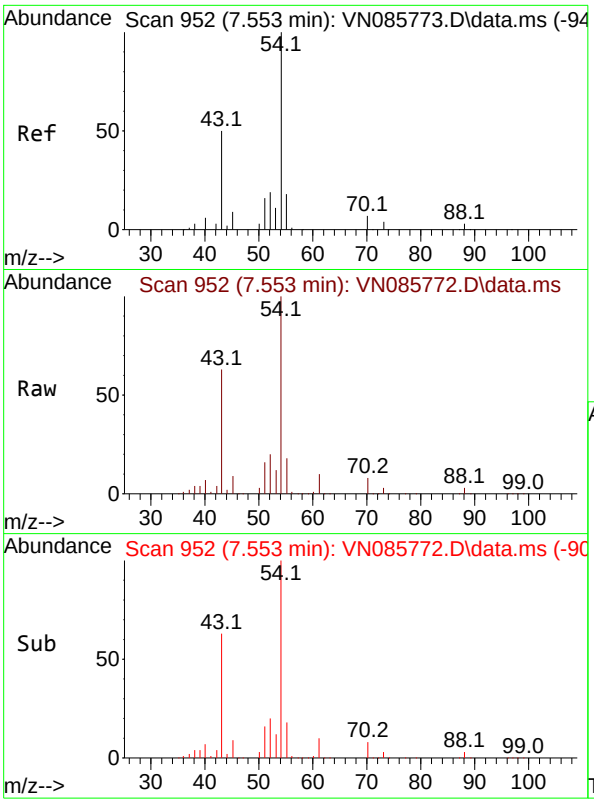


#36
1,1-Dichloropropene
Concen: 109.949 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 466531

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.3	52.0
77	31.1	24.6	37.0

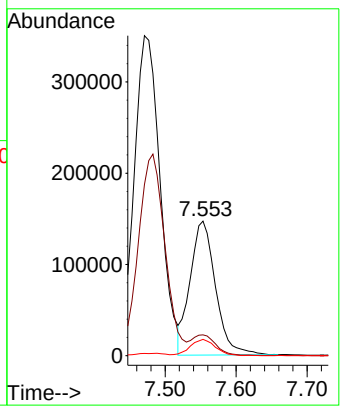




#37
Ethyl Acetate
Concen: 105.069 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 36688

Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.2
70	11.9	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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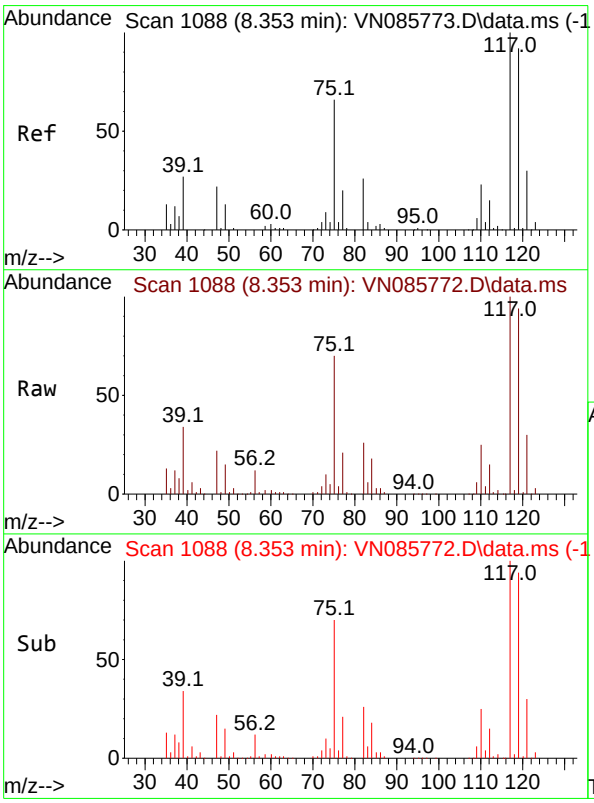
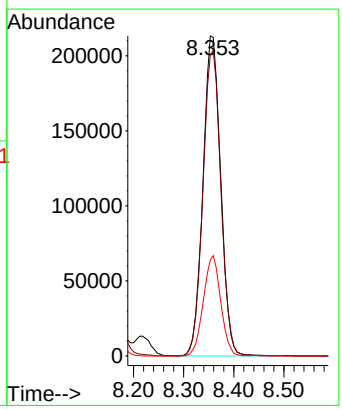
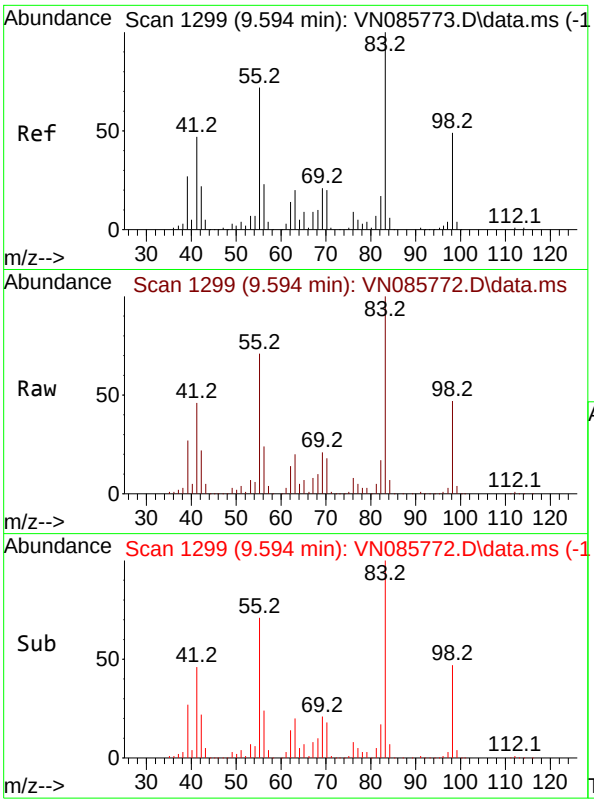


#38
Carbon Tetrachloride
Concen: 104.105 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:117 Resp: 524870

Ion	Ratio	Lower	Upper
117	100		
119	94.1	73.8	110.6
121	30.0	24.3	36.5

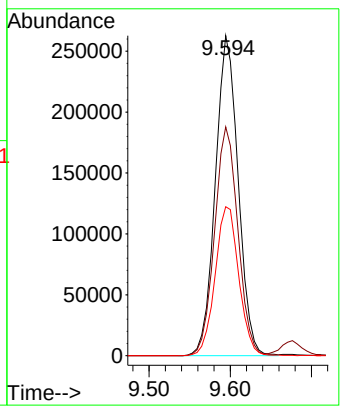




#39
Methylcyclohexane
Concen: 123.184 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 83 Resp: 51349

Ion	Ratio	Lower	Upper
83	100		
55	71.5	57.5	86.3
98	46.5	39.2	58.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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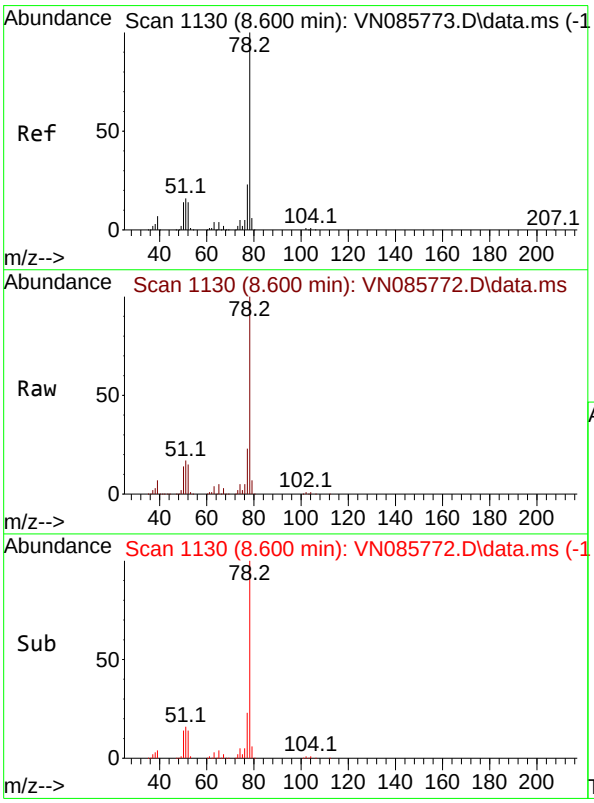
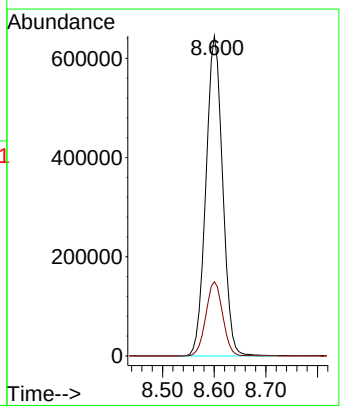
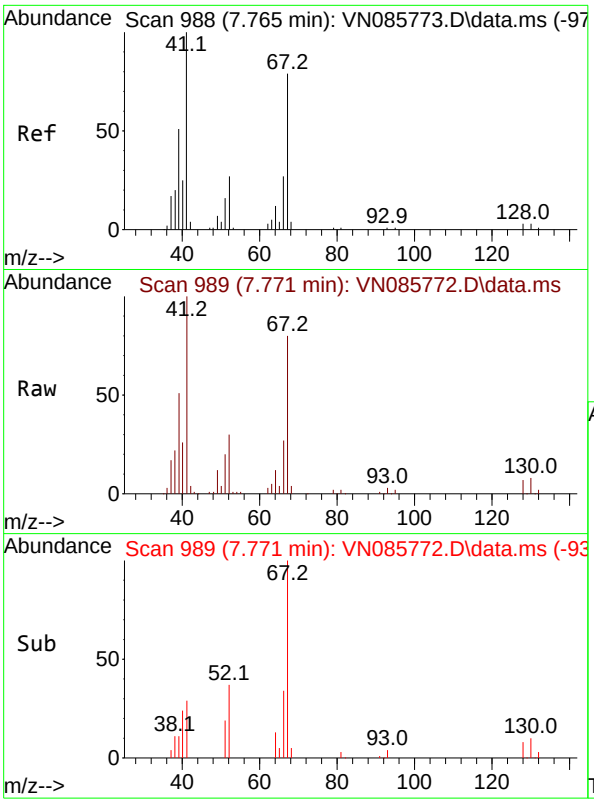


#40
Benzene
Concen: 106.522 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 78 Resp: 1448660

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5

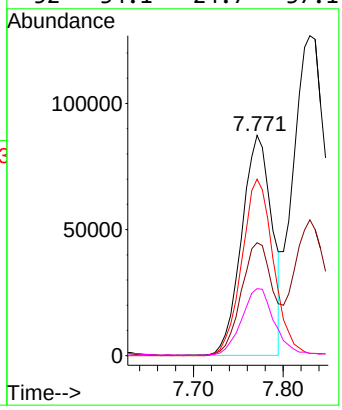




#41
Methacrylonitrile
Concen: 109.119 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 41 Resp: 20368

Ion	Ratio	Lower	Upper
41	100		
39	55.9	42.0	63.0
67	85.0	64.2	96.4
52	34.1	24.7	37.1



Instrument :
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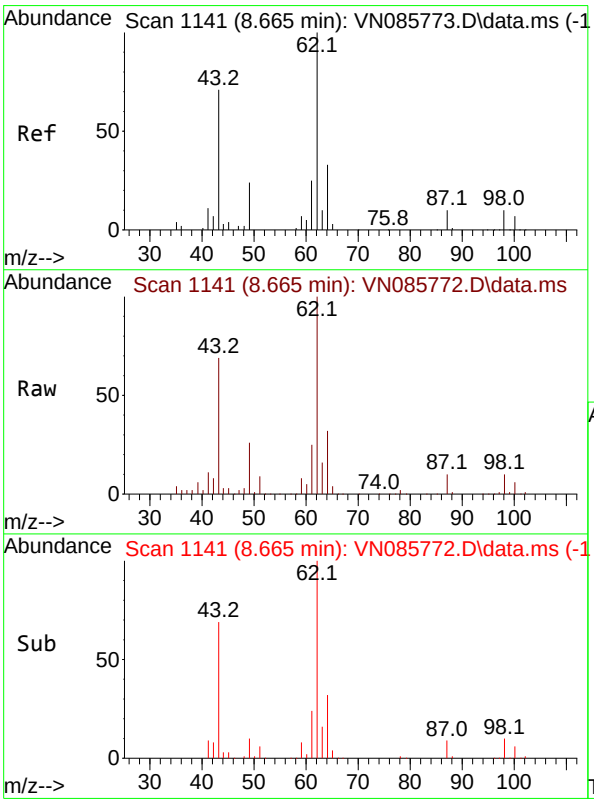
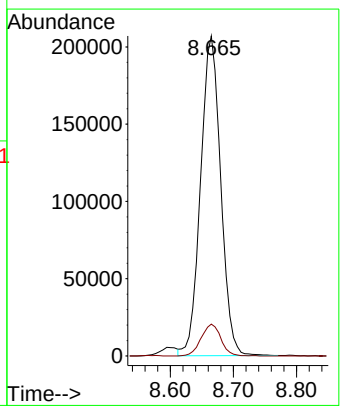
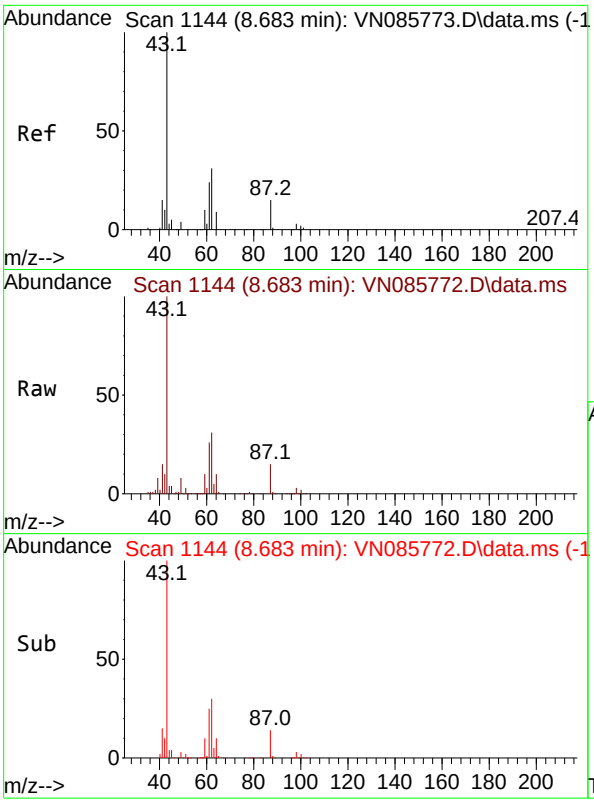


#42
1,2-Dichloroethane
Concen: 103.326 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 62 Resp: 457707

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43
Isopropyl Acetate
Concen: 101.163 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 61652

Ion	Ratio	Lower	Upper
43	100		
61	30.1	22.6	34.0
87	15.0	11.8	17.8

Instrument :
MSVOA_N
ClientSampleId :
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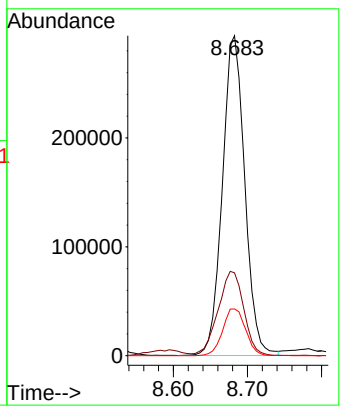
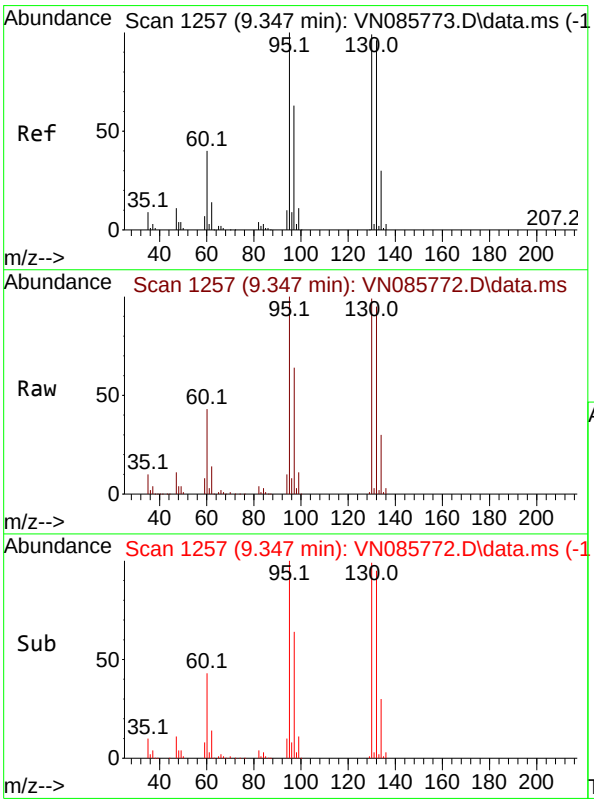
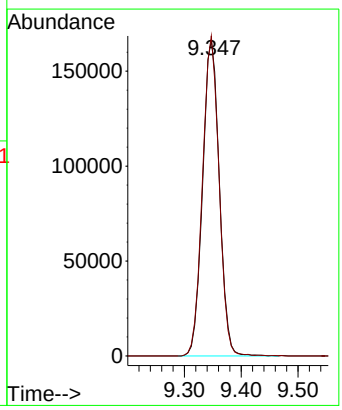


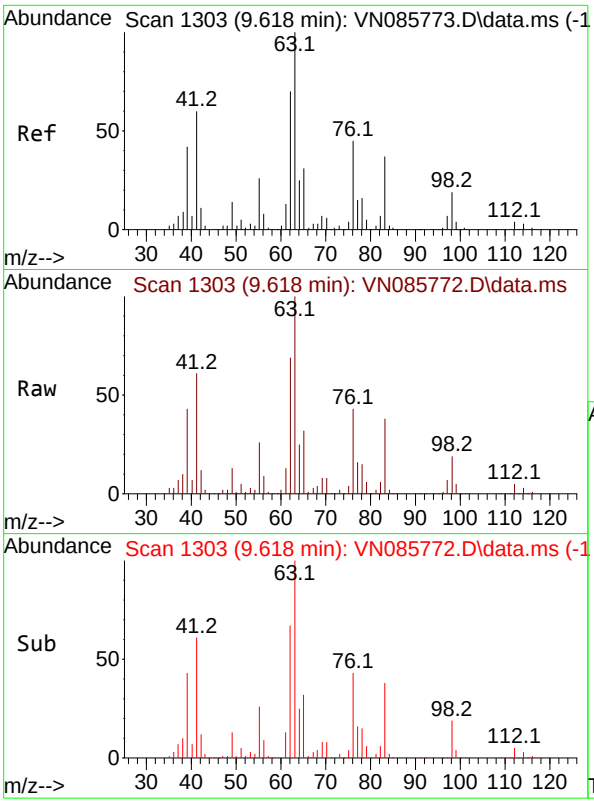


#44
Trichloroethene
Concen: 101.529 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:130 Resp: 339019

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	202.6

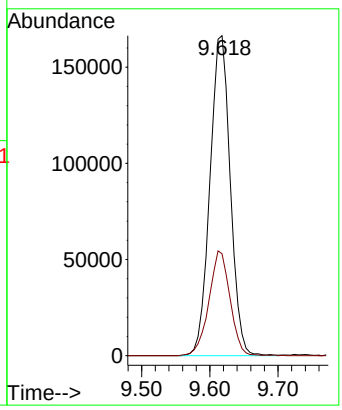




#45
1,2-Dichloropropane
Concen: 105.316 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 63 Resp: 34572

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
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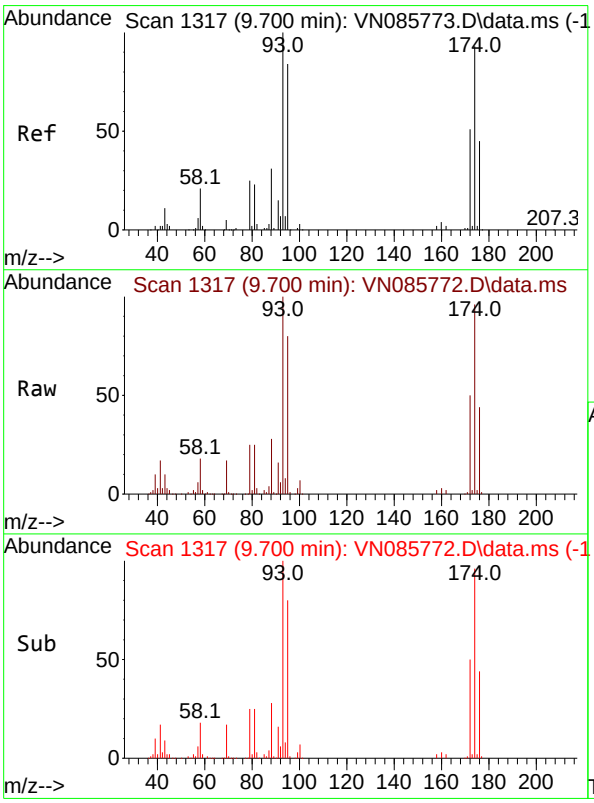
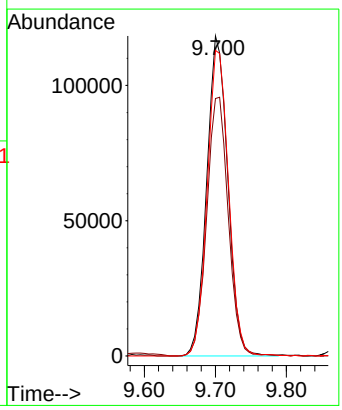
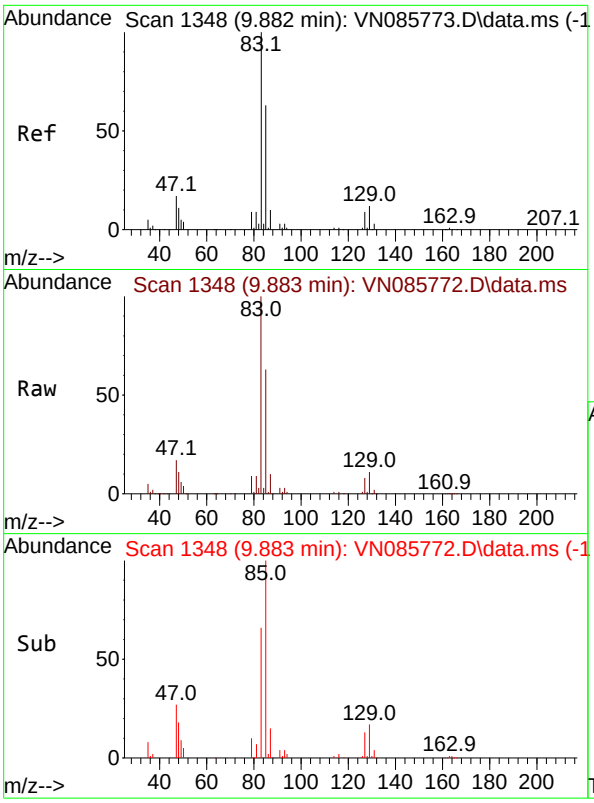


#46
Dibromomethane
Concen: 105.216 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 93 Resp: 243628

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.7	100.1
174	96.6	77.2	115.8

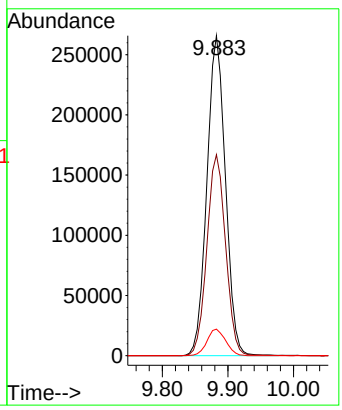




#47
Bromodichloromethane
Concen: 105.269 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 83 Resp: 52149

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.5	75.7
127	8.3	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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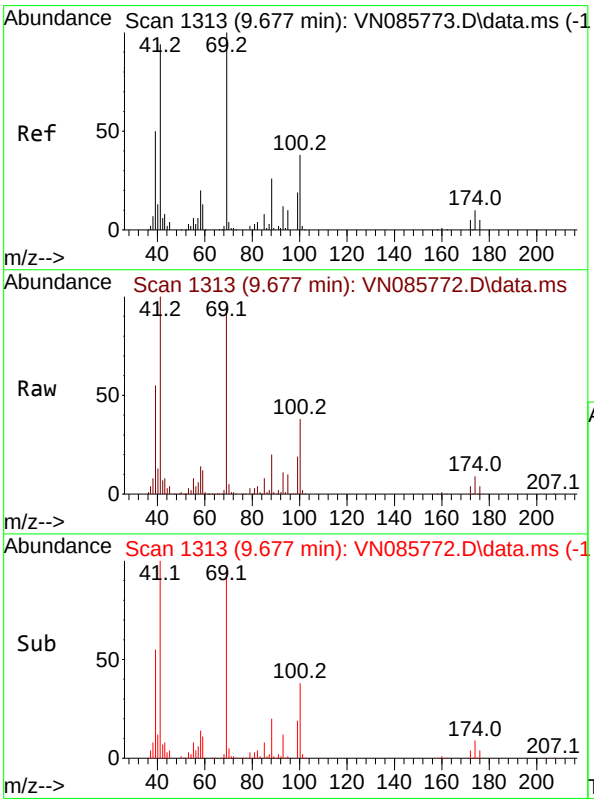
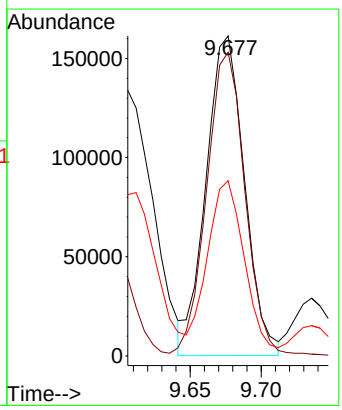
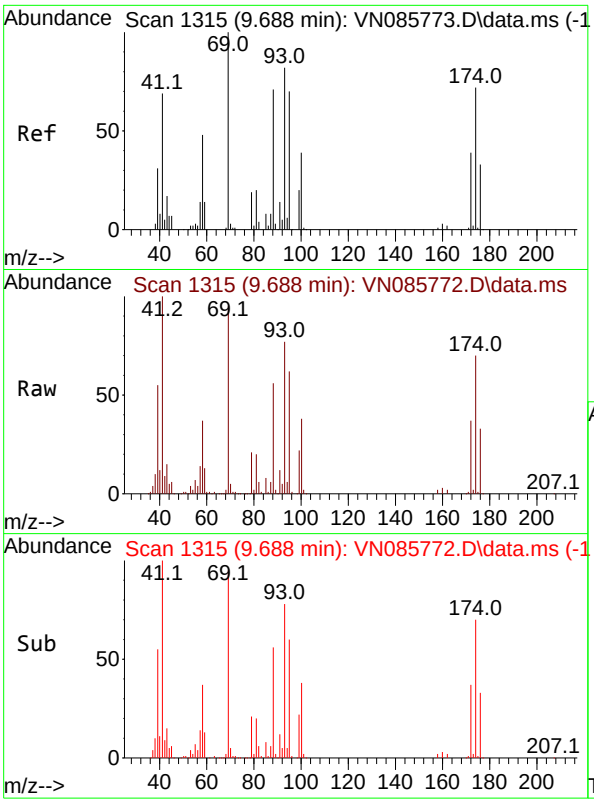


#48
Methyl methacrylate
Concen: 117.252 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 41 Resp: 304067

Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.0	114.0
39	53.0	42.3	63.5





#49
1,4-Dioxane
Concen: 2036.793 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 88 Resp: 10044

Ion	Ratio	Lower	Upper
88	100		
43	23.5	18.6	27.8
58	69.2	56.7	85.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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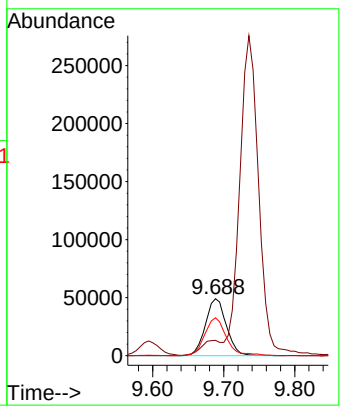
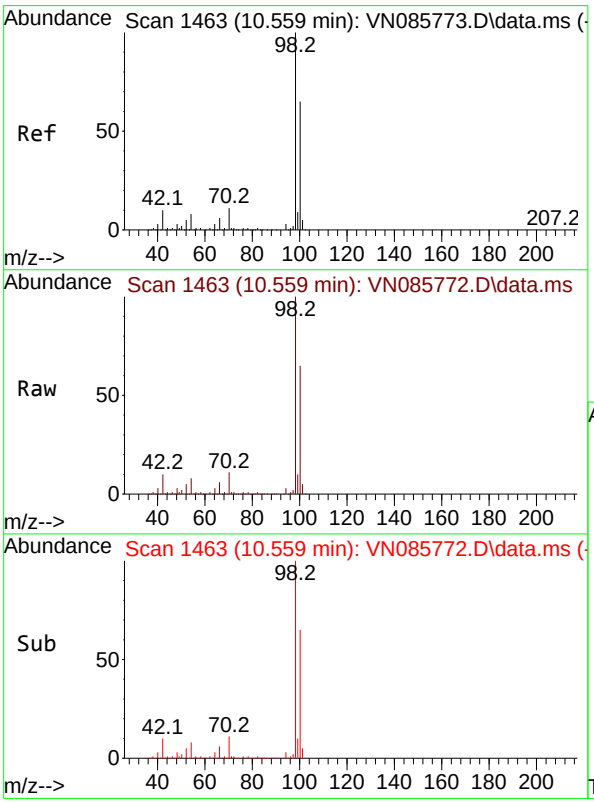
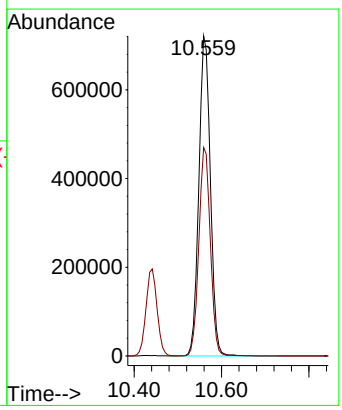


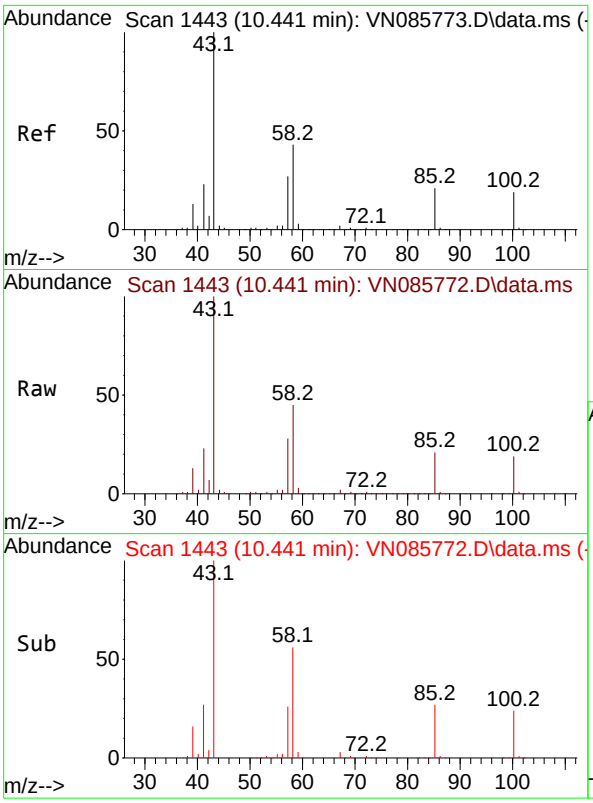


#50
Toluene-d8
Concen: 121.348 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 98 Resp: 1323681

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 563.403 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 189677

Ion	Ratio	Lower	Upper
43	100		
58	43.3	34.6	52.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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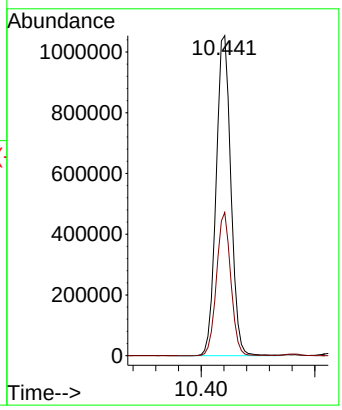
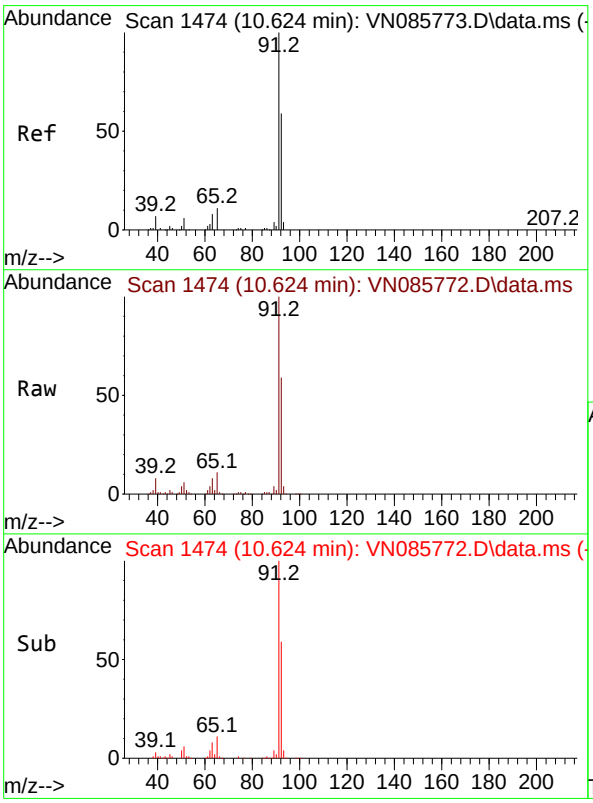
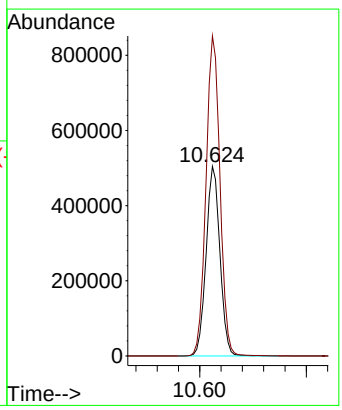


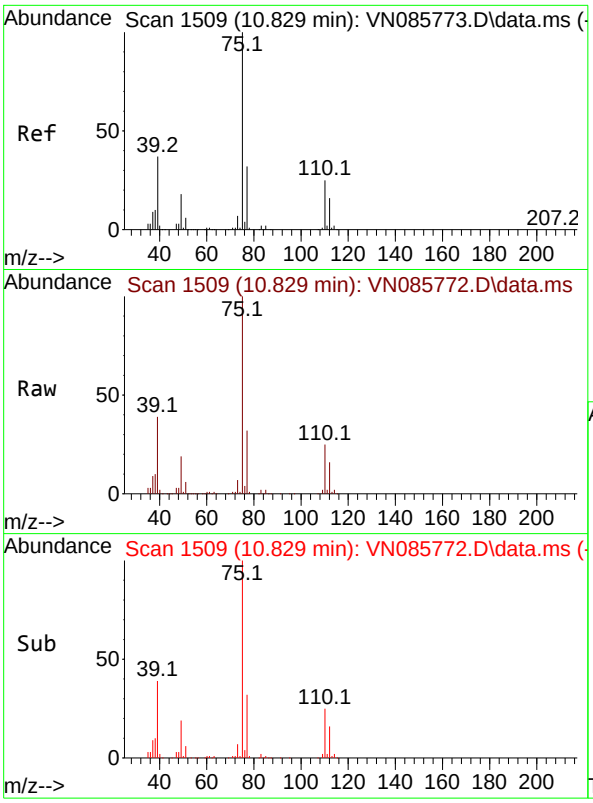


#52
Toluene
Concen: 114.182 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 92 Resp: 910251

Ion	Ratio	Lower	Upper
92	100		
91	170.7	136.9	205.3

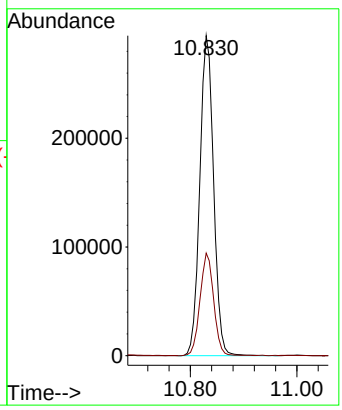




#53
t-1,3-Dichloropropene
Concen: 115.223 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 52781

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0



Instrument :
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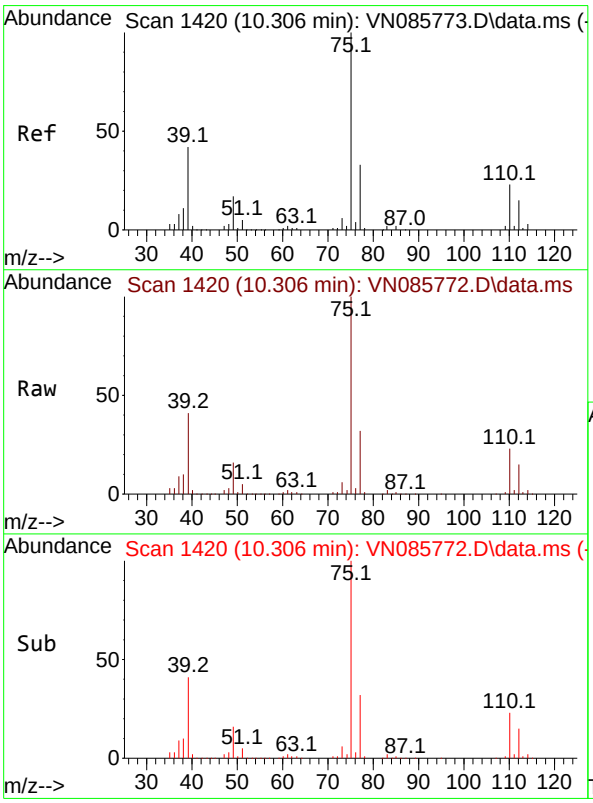
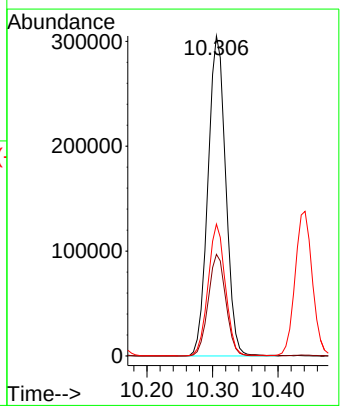
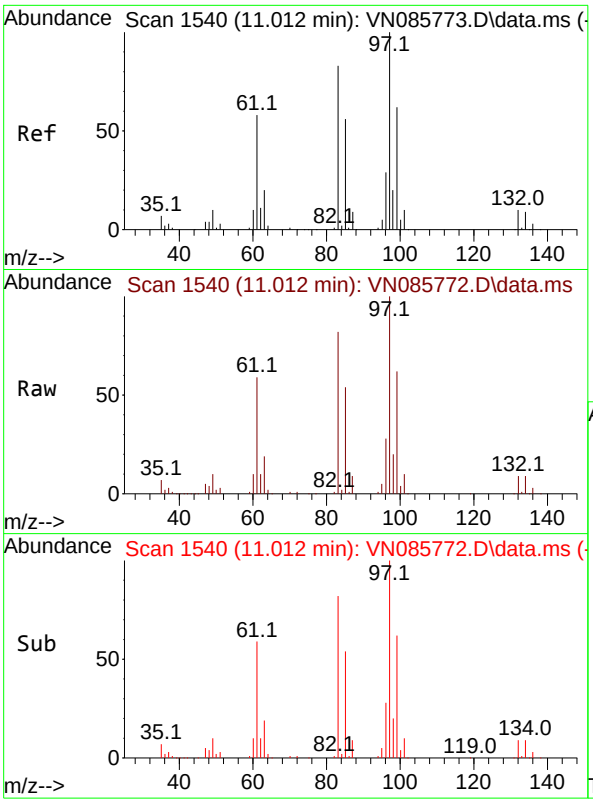


#54
cis-1,3-Dichloropropene
Concen: 114.202 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 573653

Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.1	39.1
39	41.2	33.4	50.0

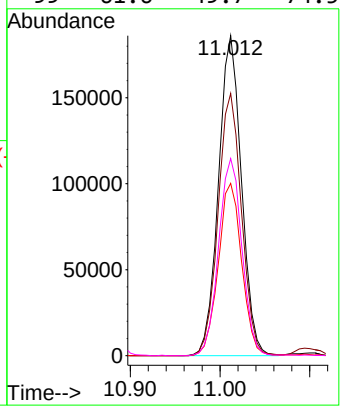




#55
1,1,2-Trichloroethane
Concen: 104.317 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 97 Resp: 33064

Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.1	99.1
85	53.8	44.7	67.1
99	61.6	49.7	74.5



Instrument :
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ClientSampleId :
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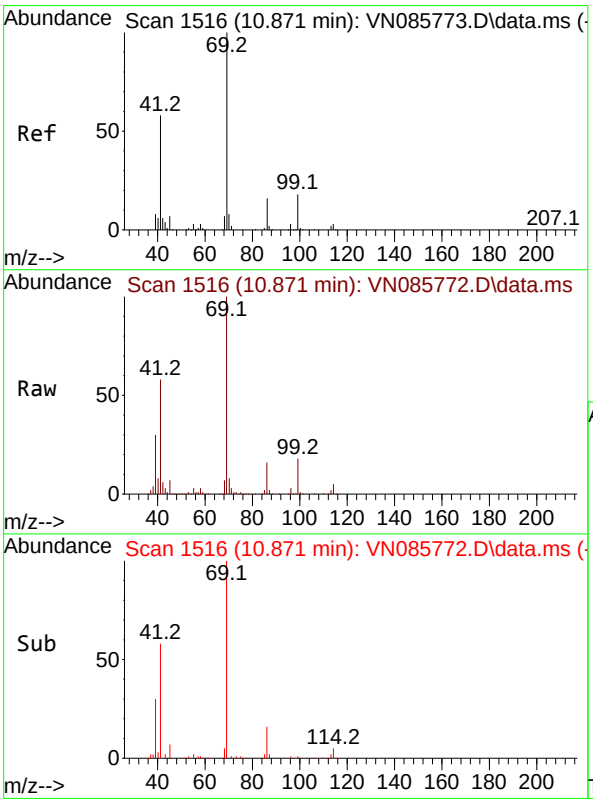
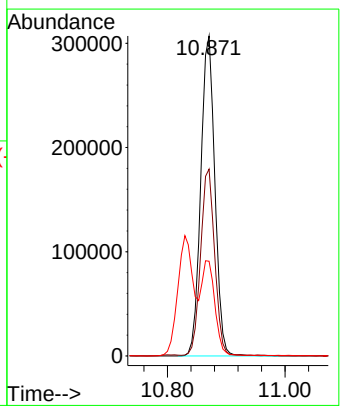
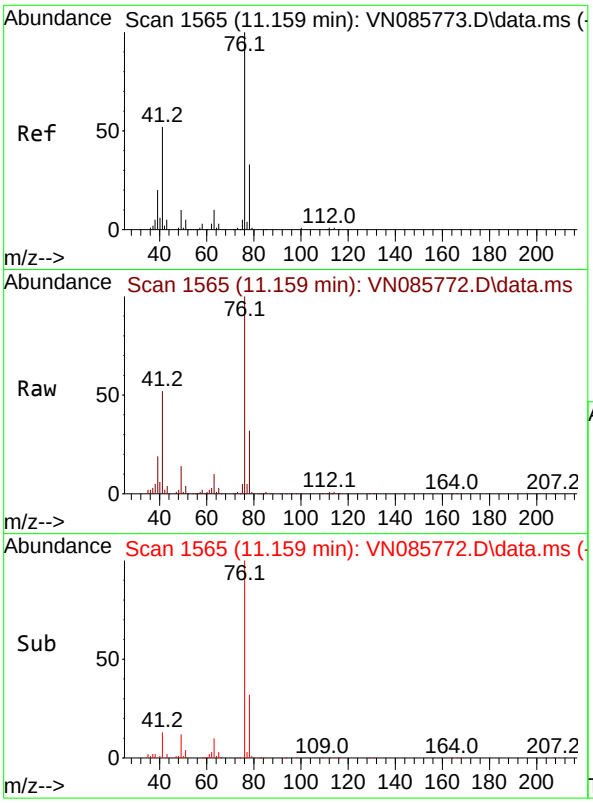


#56
Ethyl methacrylate
Concen: 100.007 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 69 Resp: 510041

Ion	Ratio	Lower	Upper
69	100		
41	57.9	46.0	69.0
39	27.2	22.0	33.0

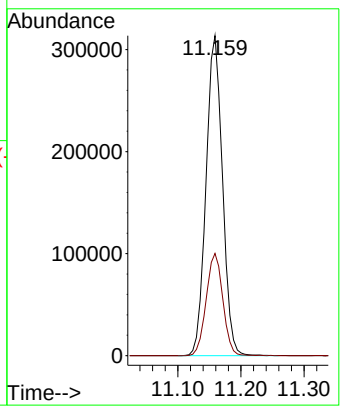




#57
1,3-Dichloropropane
Concen: 107.169 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 76 Resp: 56703

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
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ClientSampleId :
VSTDICC100

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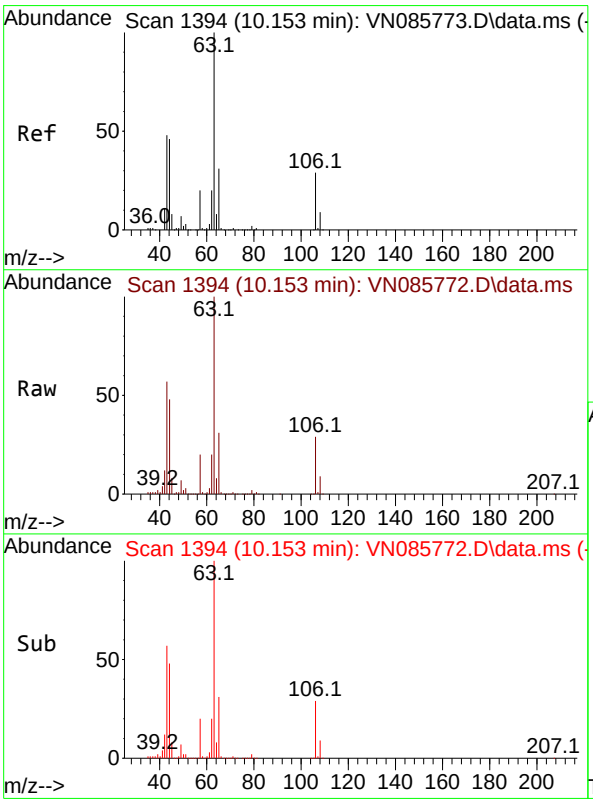
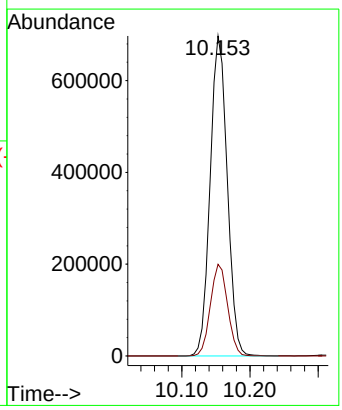
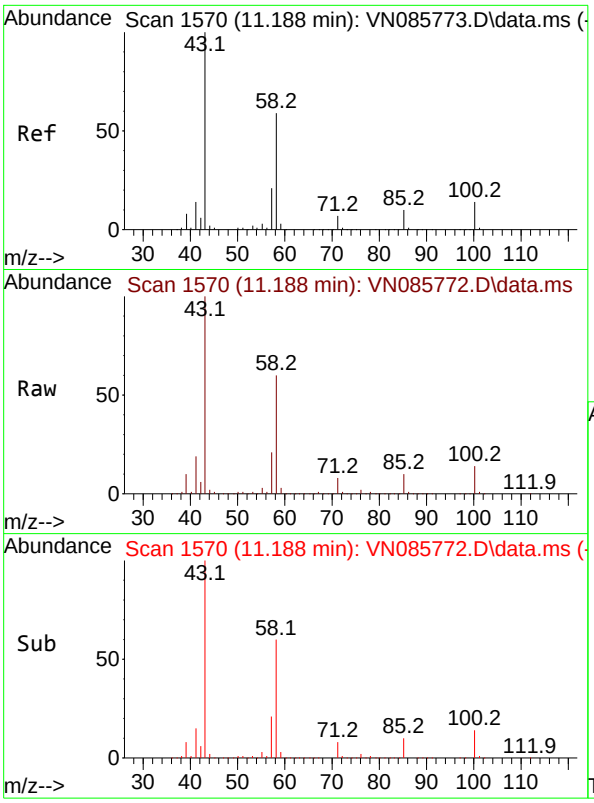


#58
2-Chloroethyl Vinyl ether
Concen: 502.158 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 63 Resp: 1216927

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.7	34.1

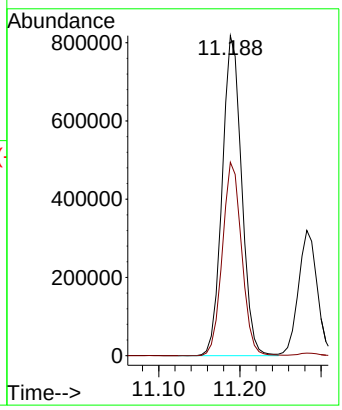




#59
2-Hexanone
Concen: 586.394 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 135812

Ion	Ratio	Lower	Upper
43	100		
58	60.2	29.8	89.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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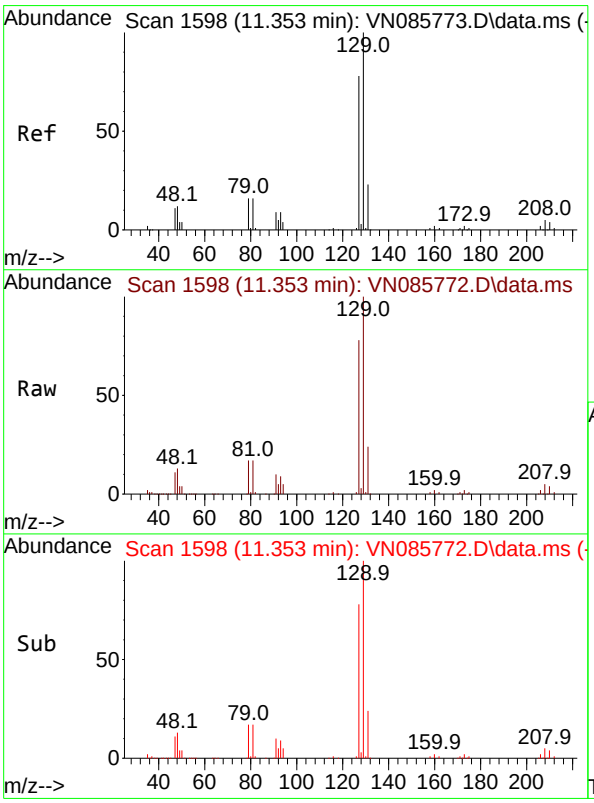
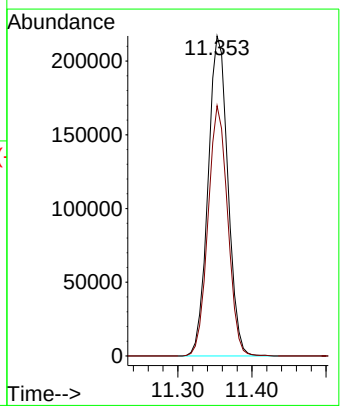
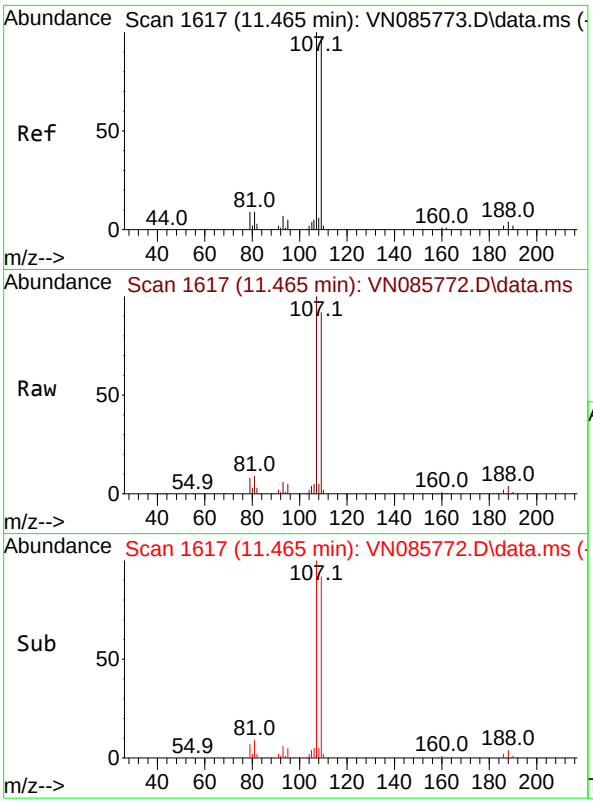


#60
Dibromochloromethane
Concen: 109.169 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:129 Resp: 402920

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.5





#61
1,2-Dibromoethane
Concen: 108.439 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:107 Resp: 32474

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.0	114.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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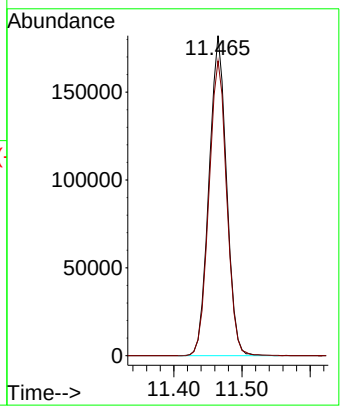
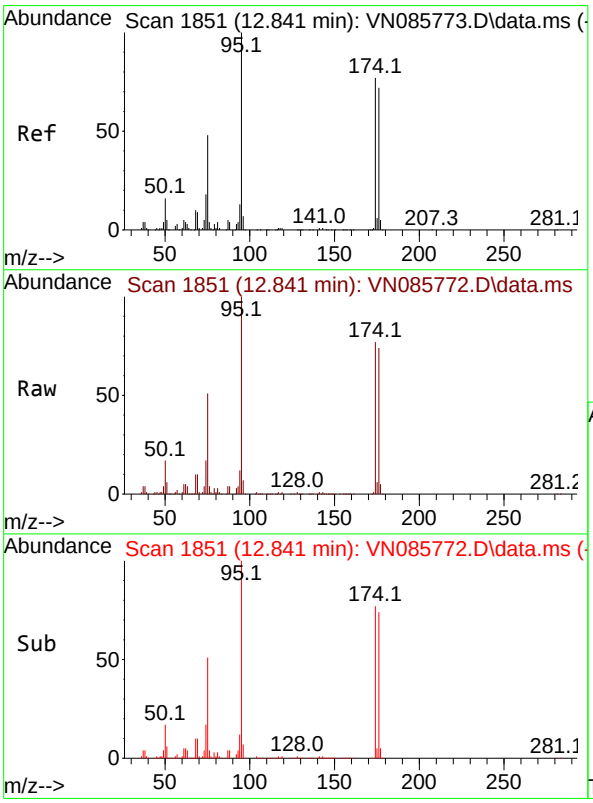
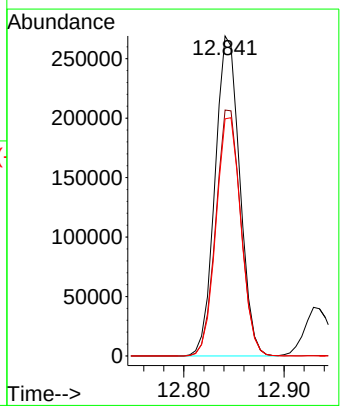


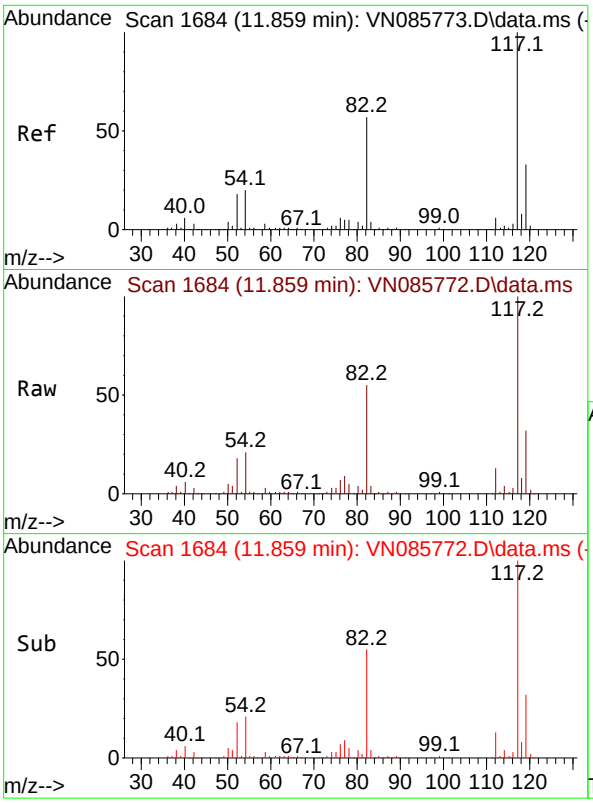


#62
4-Bromofluorobenzene
Concen: 128.269 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 95 Resp: 460996

Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	152.4
176	75.2	0.0	146.6

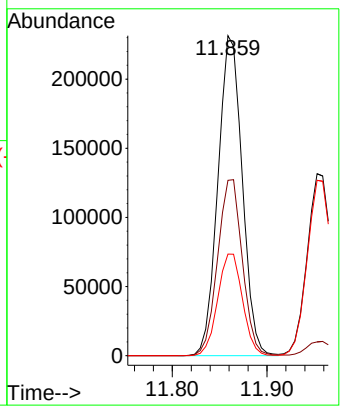




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:117 Resp: 41261

Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.7	68.5
119	31.8	26.2	39.2



Instrument :
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ClientSampleId :
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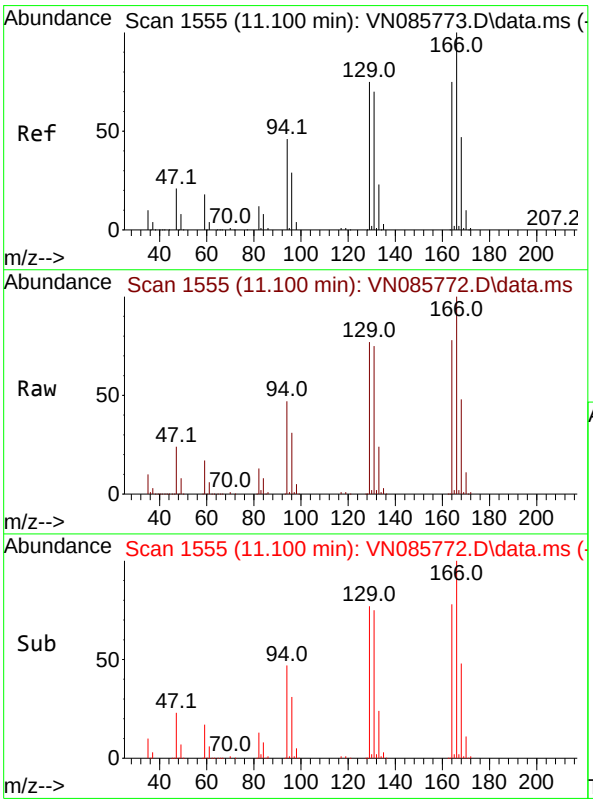
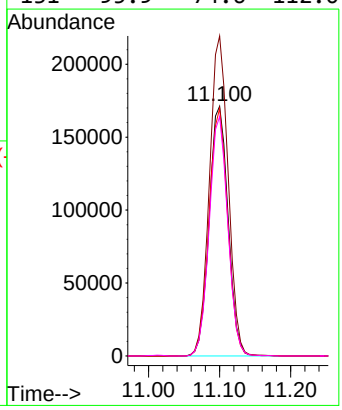
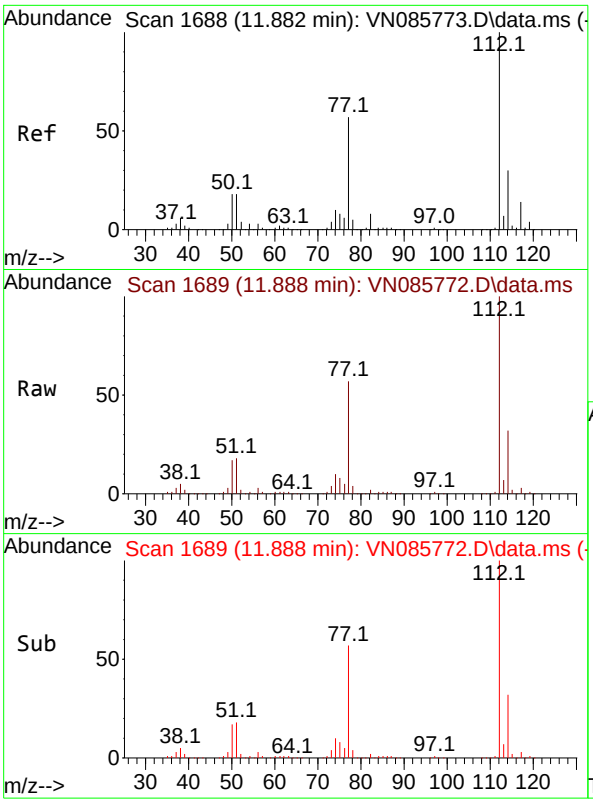


#64
Tetrachloroethene
Concen: 99.063 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:164 Resp: 316658

Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.2	160.8
129	99.1	80.7	121.1
131	95.9	74.6	112.0

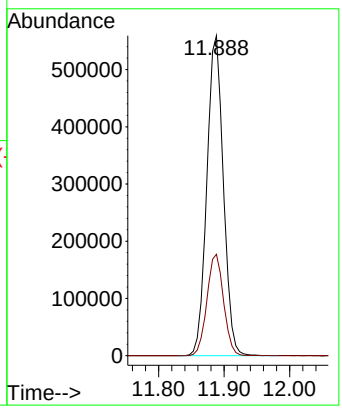




#65
Chlorobenzene
Concen: 103.290 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:112 Resp: 97633

Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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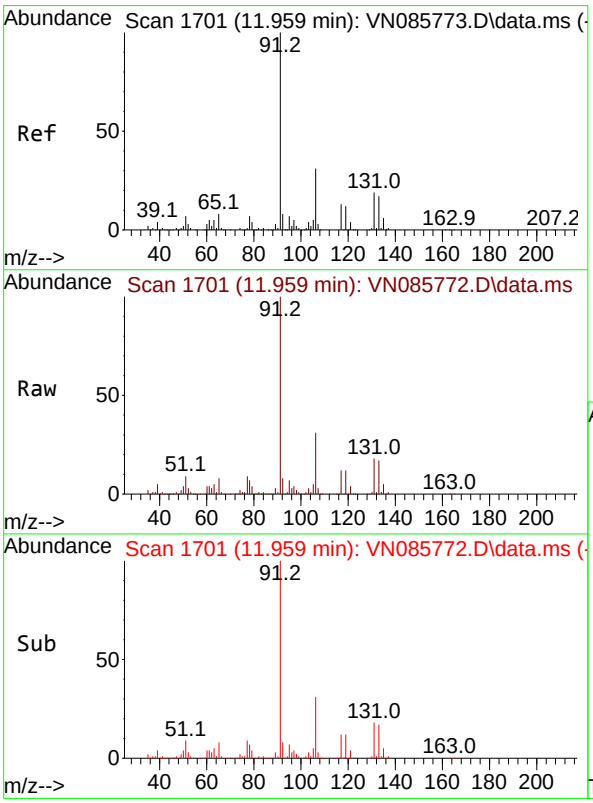
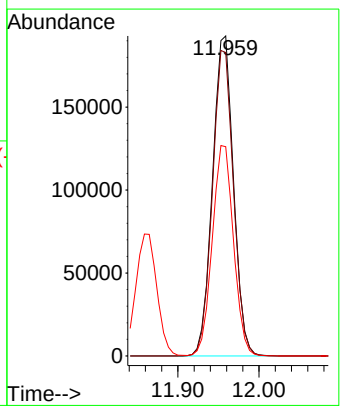
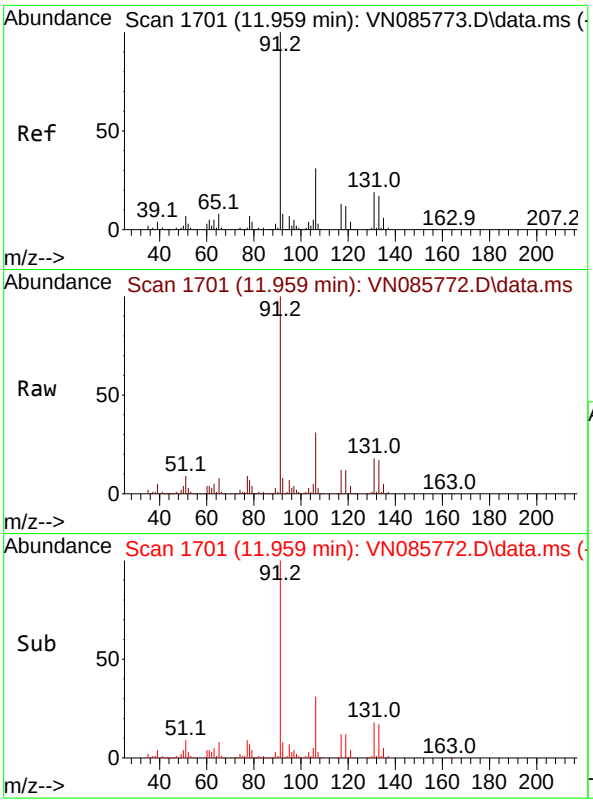


#66
1,1,1,2-Tetrachloroethane
Concen: 102.068 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:131 Resp: 346777

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	66.5	33.3	99.8





#67
Ethyl Benzene
Concen: 117.301 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 91 Resp: 173684

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.7	37.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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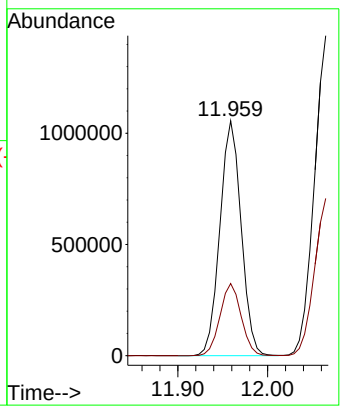
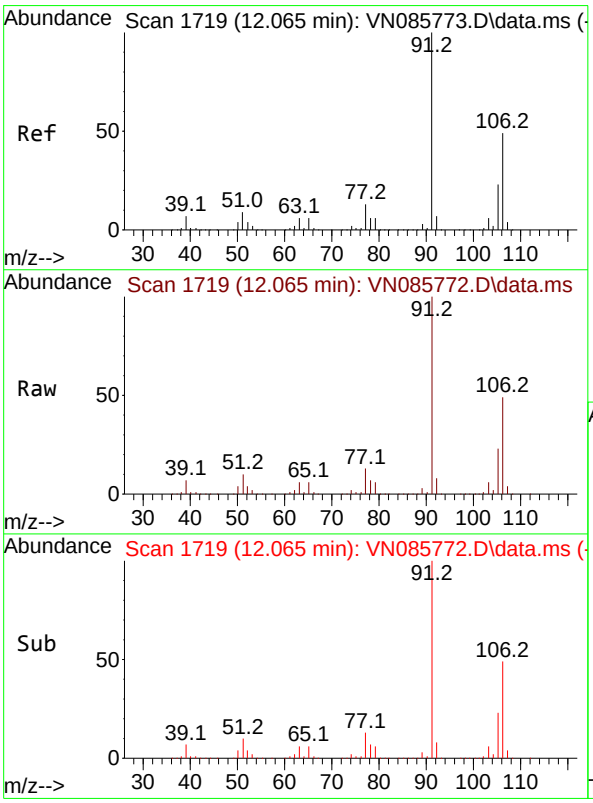
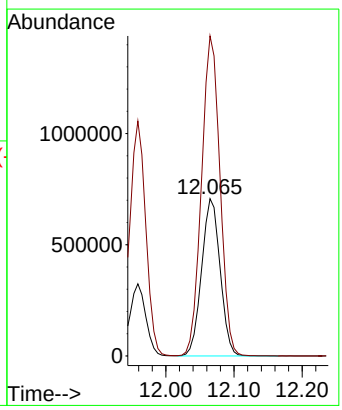


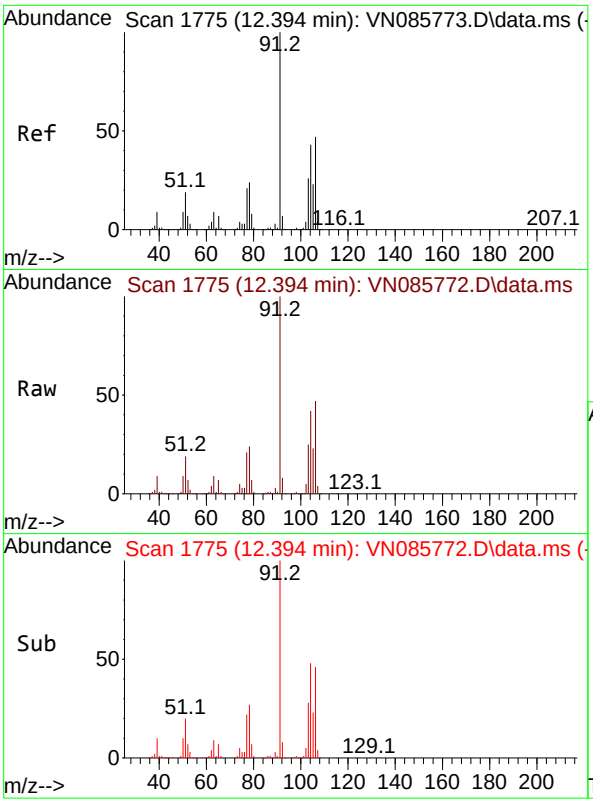


#68
m/p-Xylenes
Concen: 237.496 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:106 Resp: 1335750

Ion	Ratio	Lower	Upper
106	100		
91	203.3	163.3	244.9

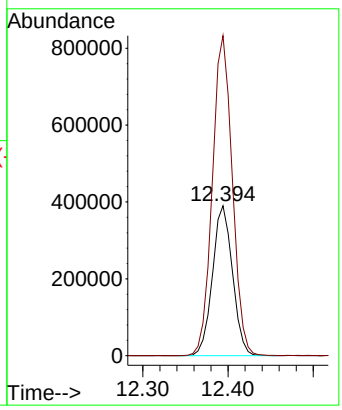




#69
o-Xylene
Concen: 118.977 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:106 Resp: 63587

Ion	Ratio	Lower	Upper
106	100		
91	213.2	107.1	321.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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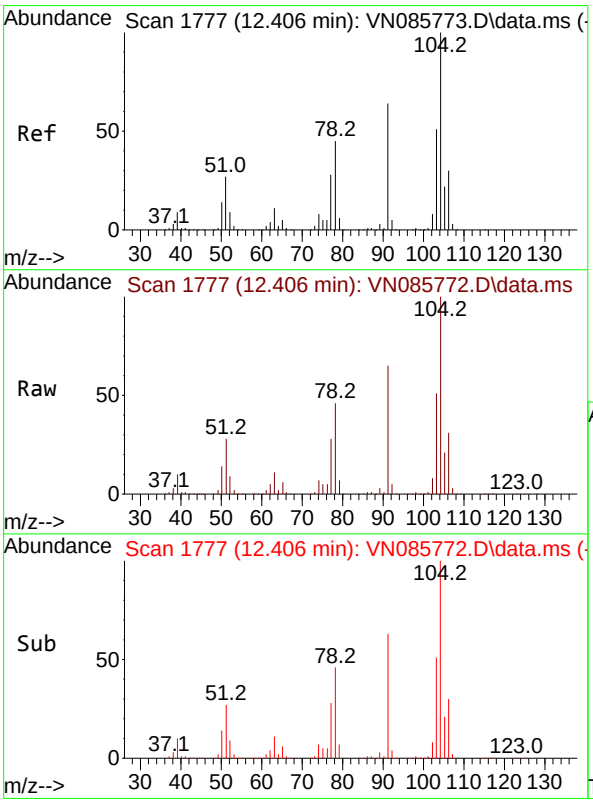
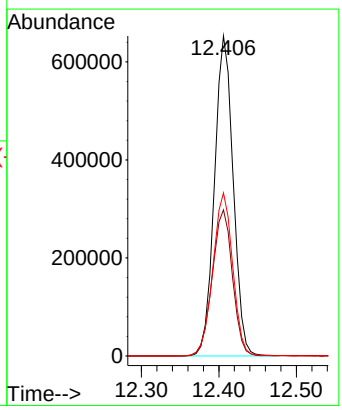
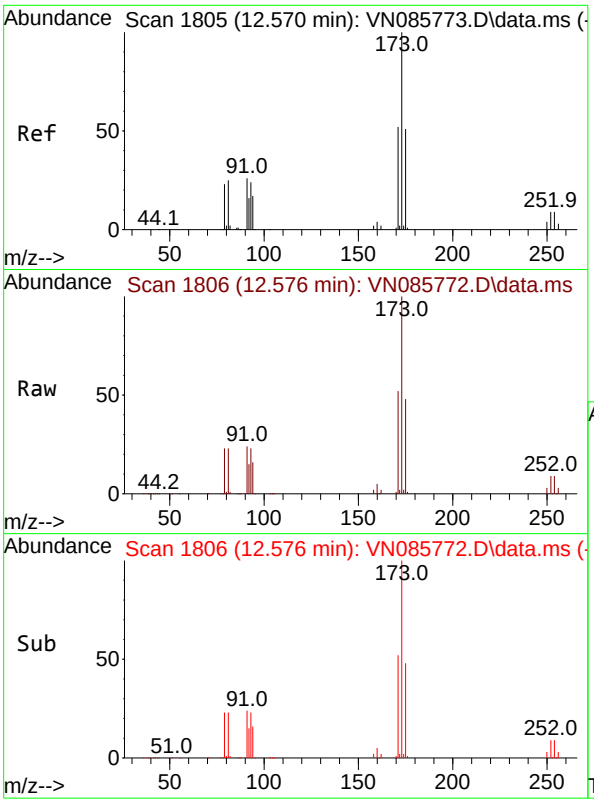


#70
Styrene
Concen: 100.012 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:104 Resp: 1095464

Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.0	58.6
103	53.9	43.3	64.9

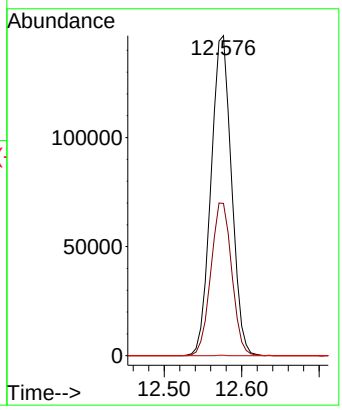




#71
Bromoform
Concen: 106.877 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:173 Resp: 26981

Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.1	75.4
254	0.1	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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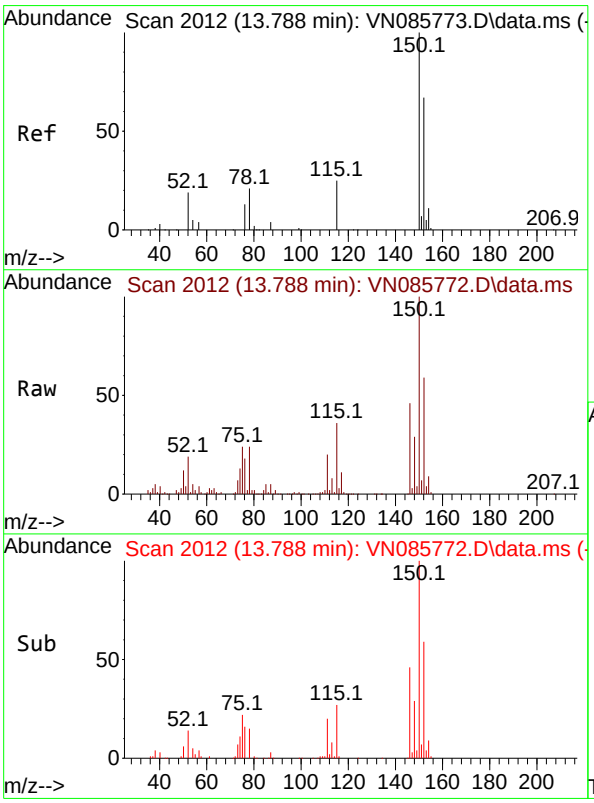
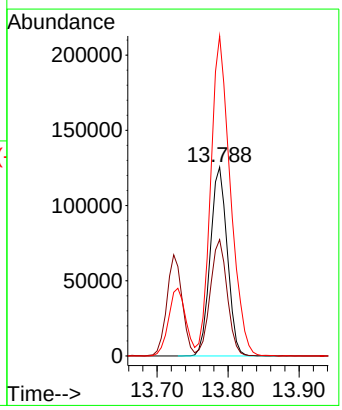
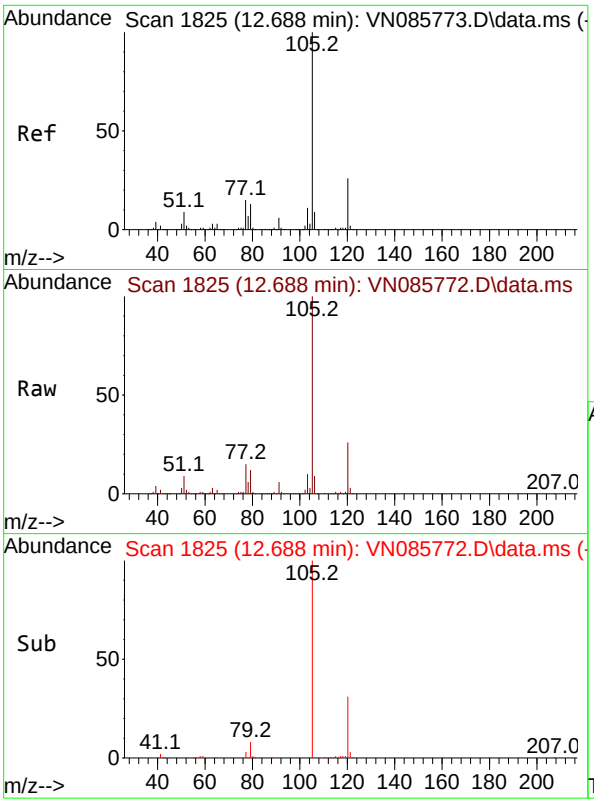


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:152 Resp: 208401

Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.4	91.3
150	196.0	0.0	345.4

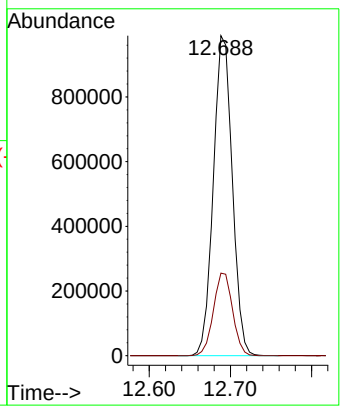




#73
Isopropylbenzene
Concen: 112.422 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:105 Resp: 160509

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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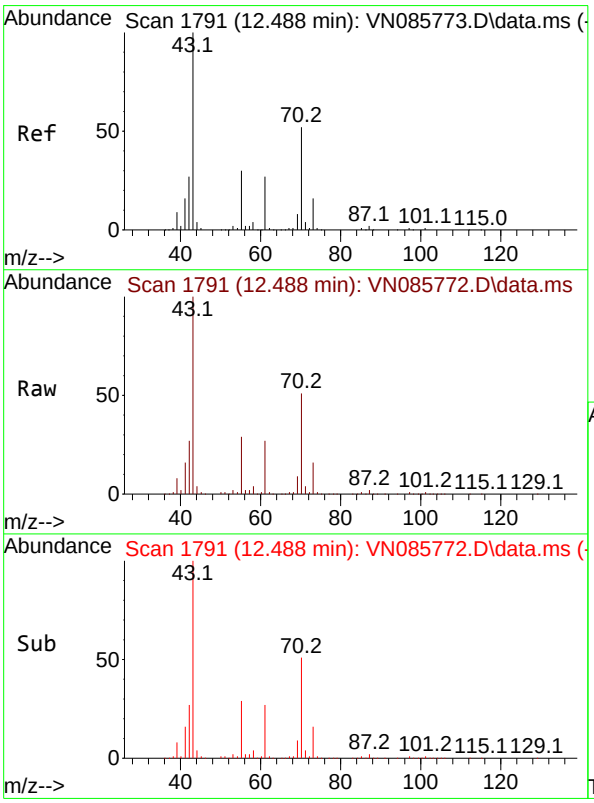
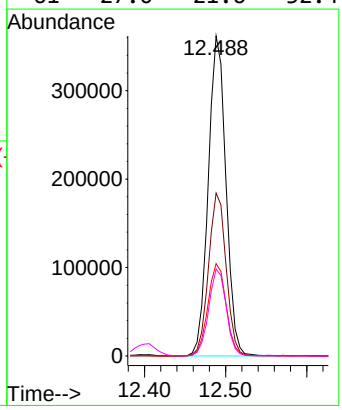
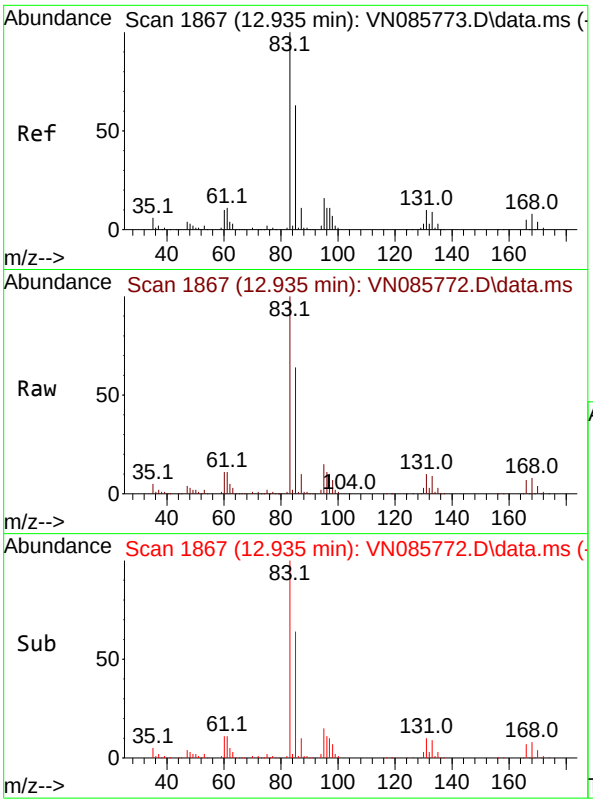


#74
N-amyl acetate
Concen: 108.541 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 546485

Ion	Ratio	Lower	Upper
43	100		
70	50.8	41.0	61.4
55	29.9	24.6	36.8
61	27.0	21.6	32.4

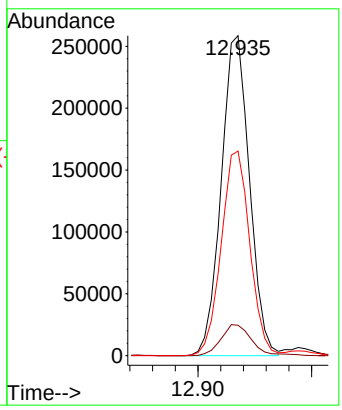




#75
1,1,2,2-Tetrachloroethane
Concen: 91.050 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 83 Resp: 44733

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	64.6	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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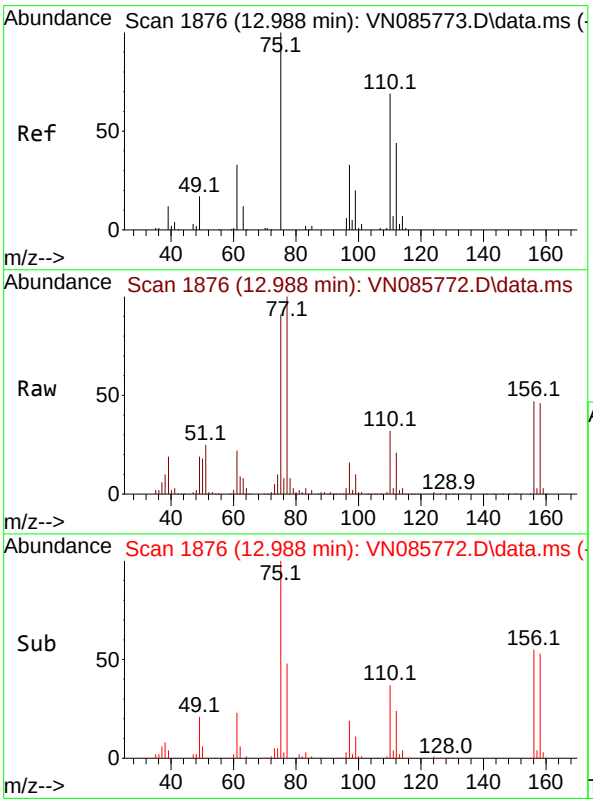
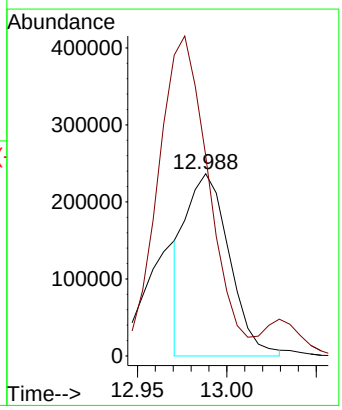
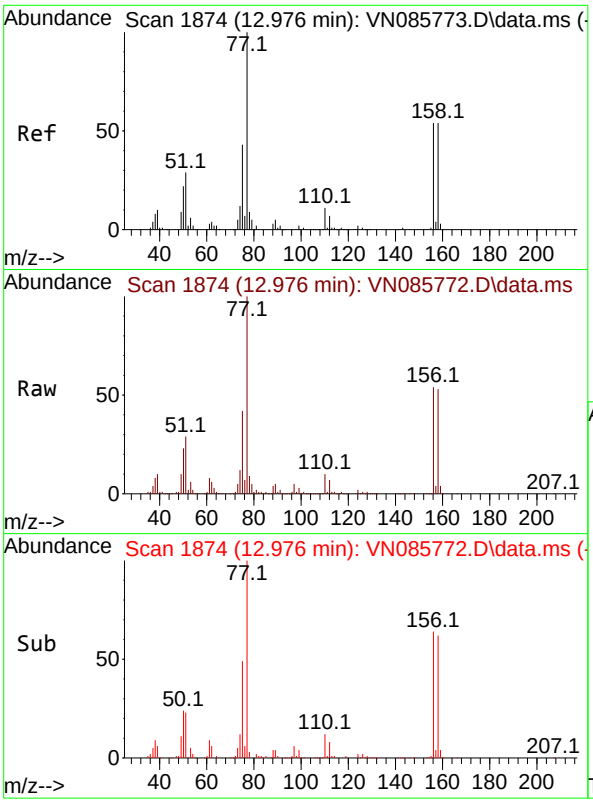


#76
1,2,3-Trichloropropane
Concen: 87.774 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 401864

Ion	Ratio	Lower	Upper
75	100		
77	204.4	100.0	300.0

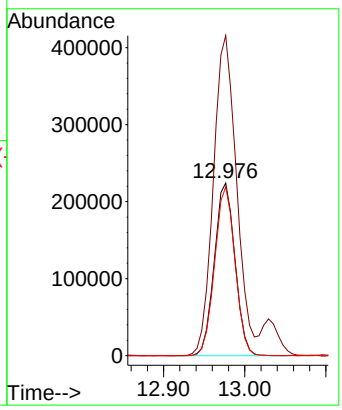




#77
Bromobenzene
Concen: 102.631 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:156 Resp: 39588

Ion	Ratio	Lower	Upper
156	100		
77	207.5	104.1	312.3
158	96.5	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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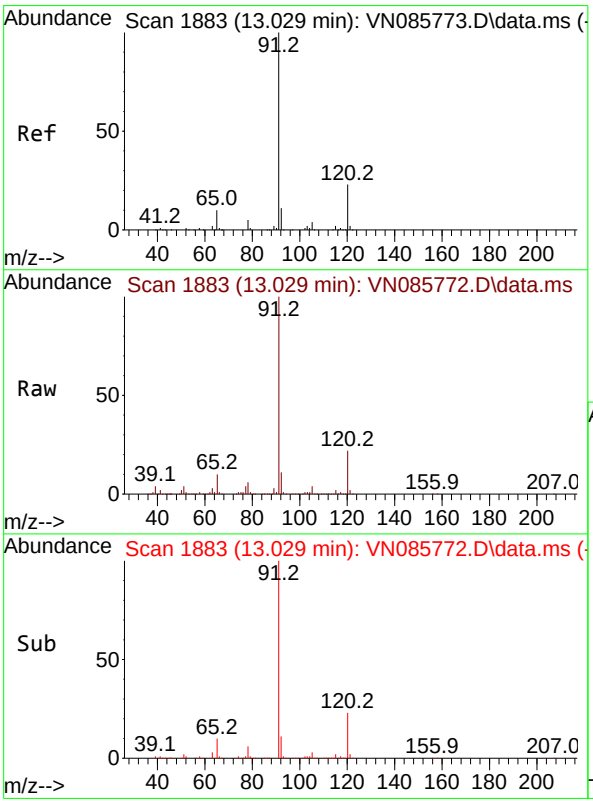
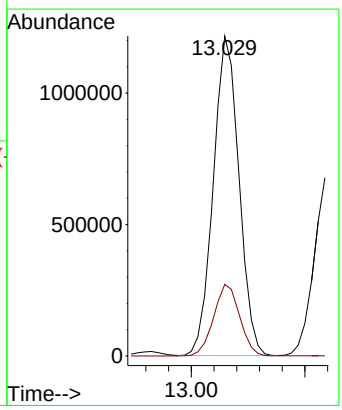
Supervised By :Mahesh Dadoda 02/19/2025

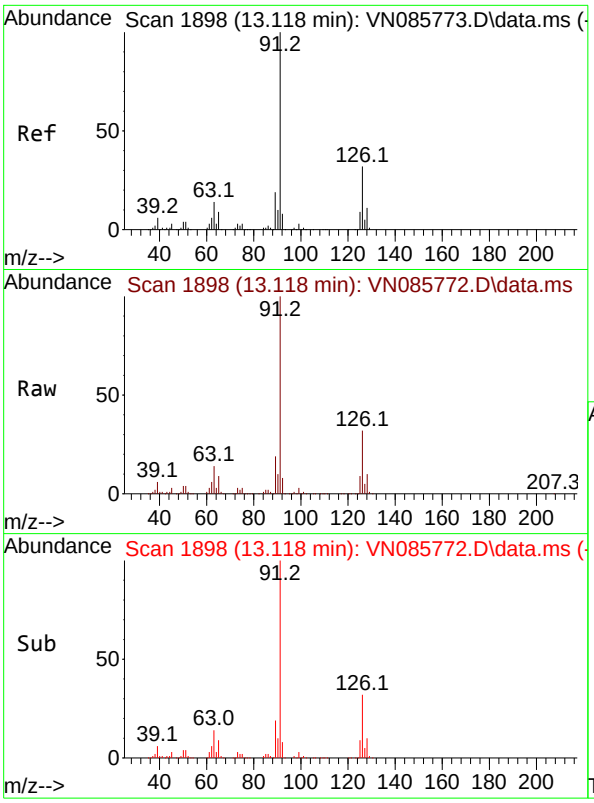


#78
n-propylbenzene
Concen: 116.552 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 91 Resp: 1905758

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8

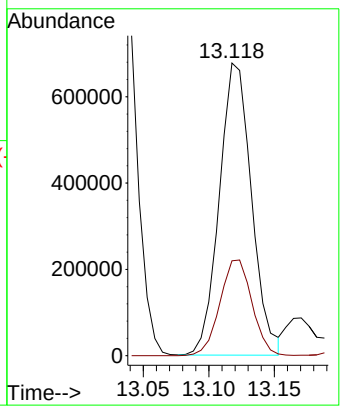




#79
2-Chlorotoluene
Concen: 106.029 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 91 Resp: 115834

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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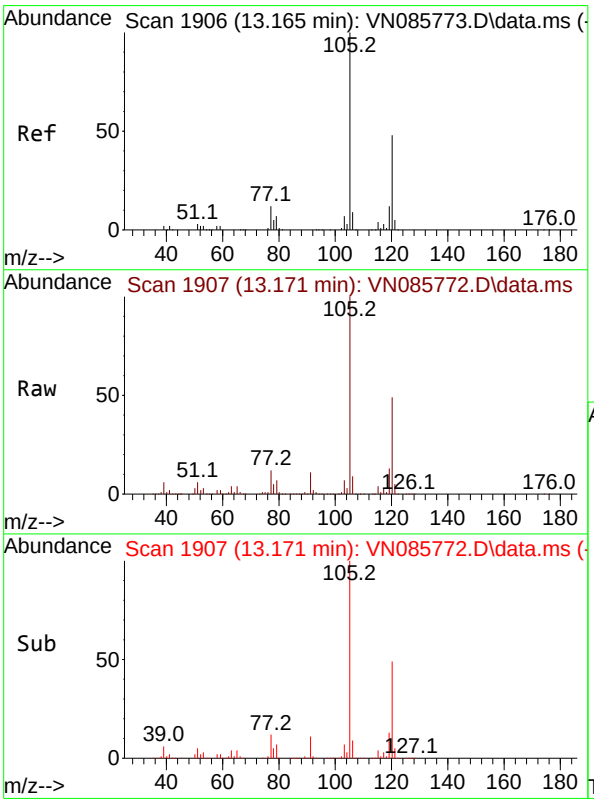
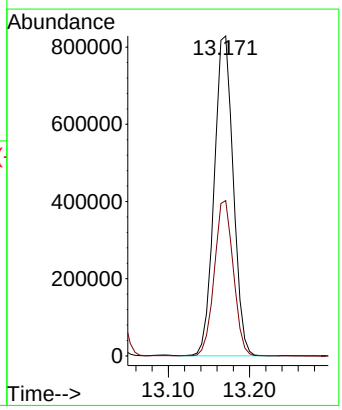
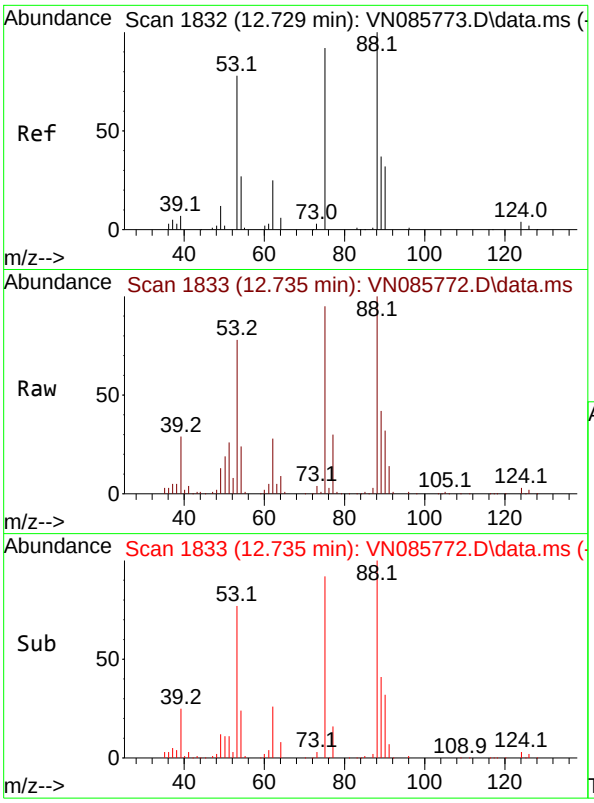


#80
1,3,5-Trimethylbenzene
Concen: 116.226 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:105 Resp: 1351753

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9

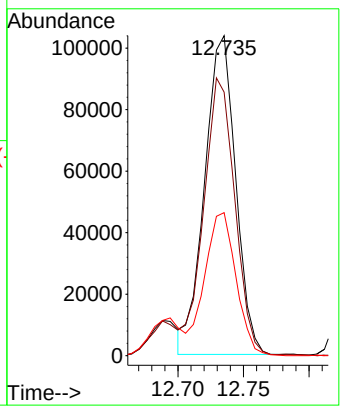




#81
trans-1,4-Dichloro-2-butene
Concen: 107.459 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 17049

Ion	Ratio	Lower	Upper
75	100		
53	88.3	74.2	111.4
89	45.3	34.9	52.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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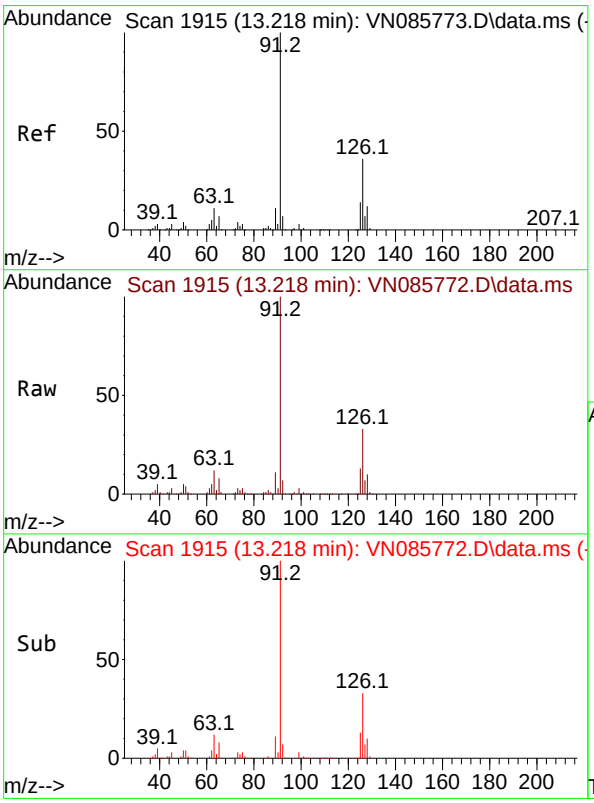
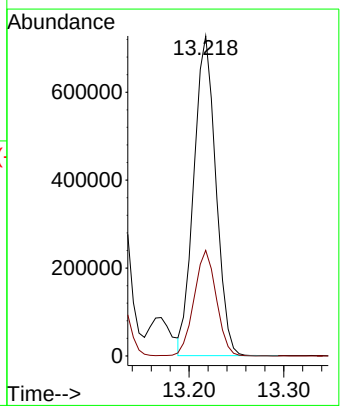
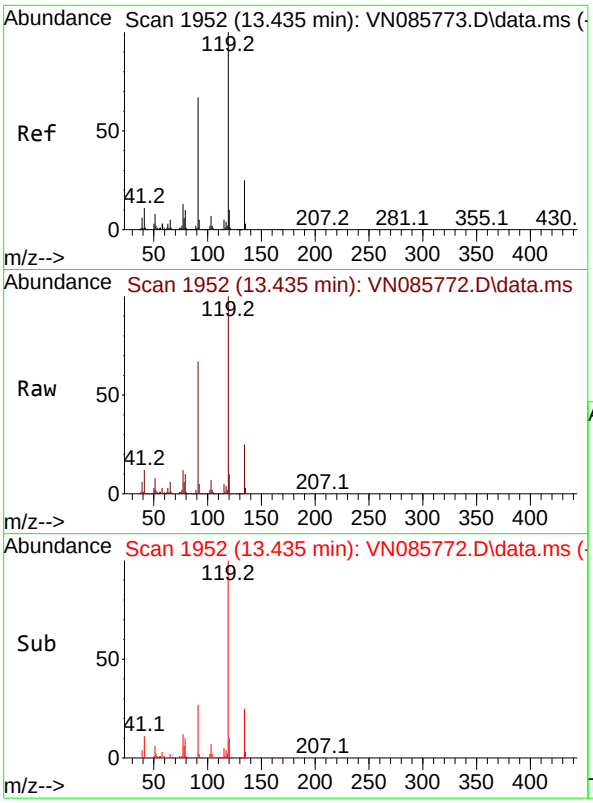


#82
4-Chlorotoluene
Concen: 108.322 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 91 Resp: 1173182

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.4

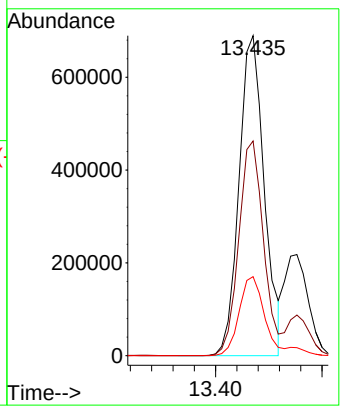




#83
tert-Butylbenzene
Concen: 116.235 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:119 Resp: 113680

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.5	97.5
134	26.5	13.3	39.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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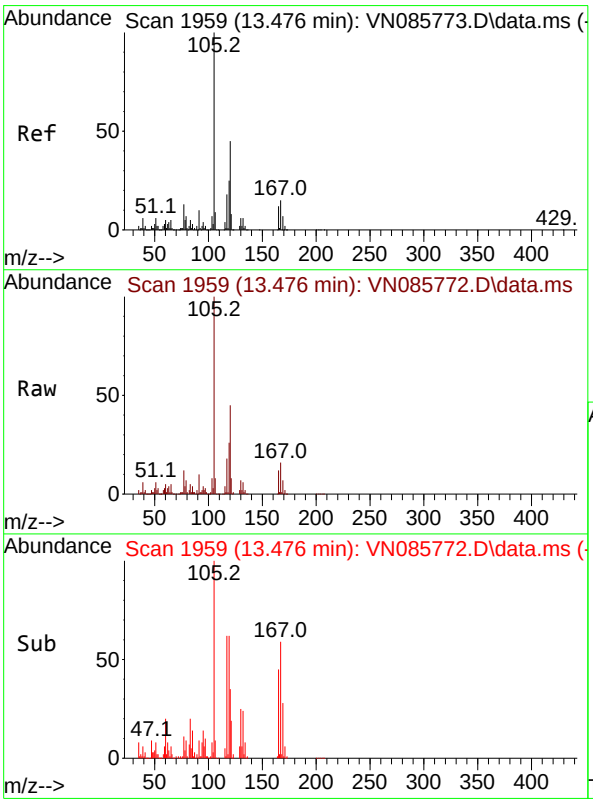
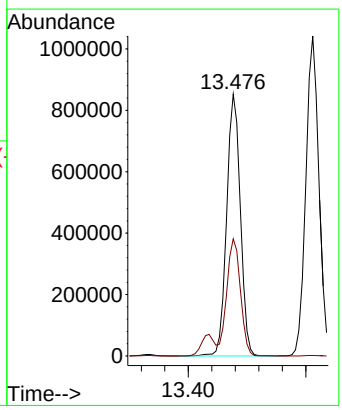
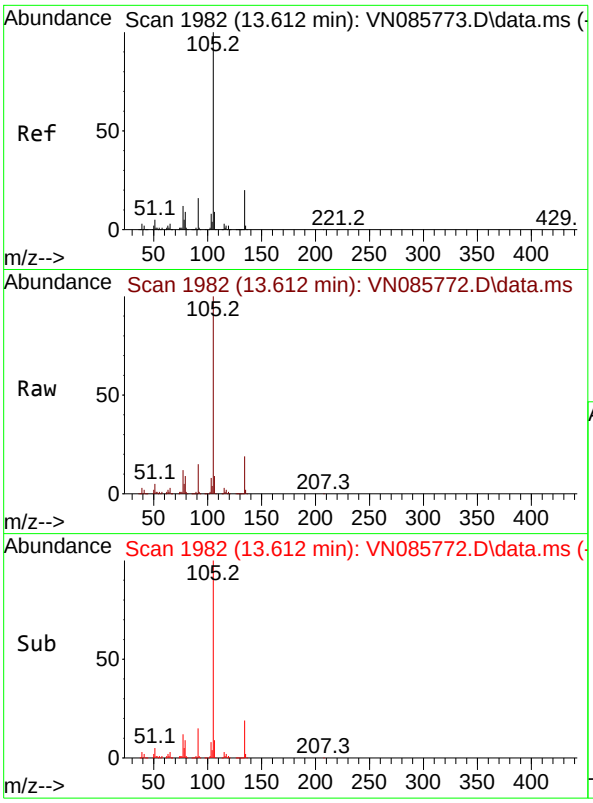


#84
1,2,4-Trimethylbenzene
Concen: 119.764 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:105 Resp: 1378080

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3

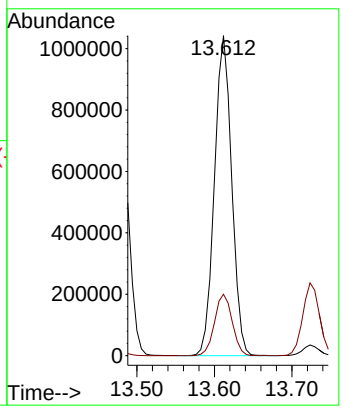




#85
sec-Butylbenzene
Concen: 116.540 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:105 Resp: 161038

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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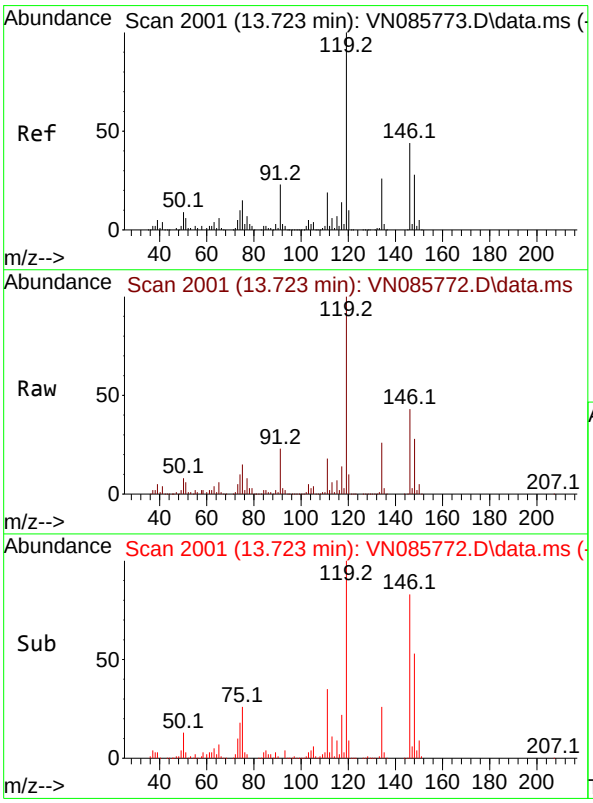
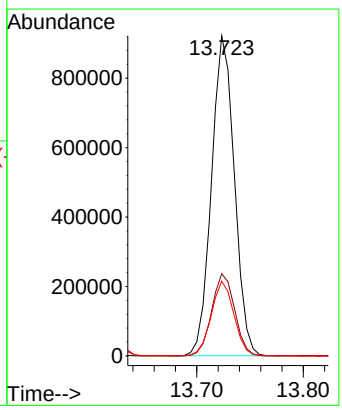
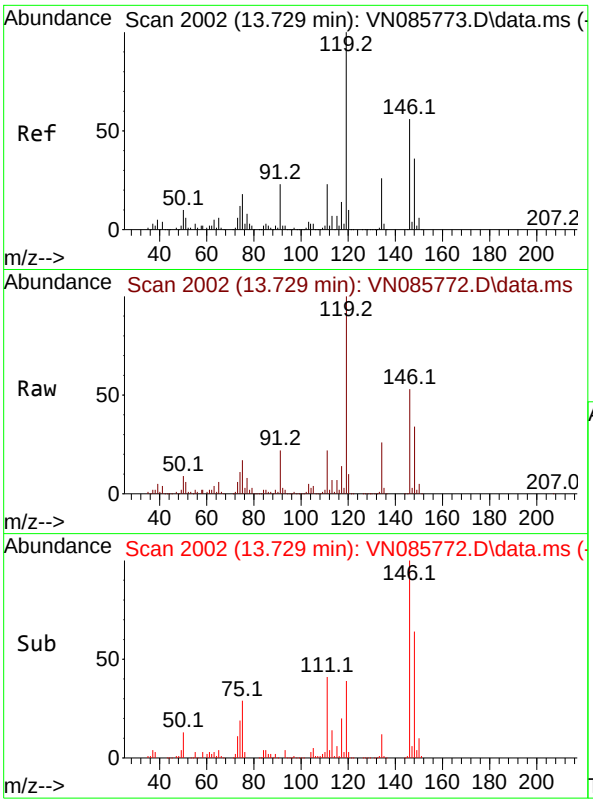


#86
p-Isopropyltoluene
Concen: 99.983 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:119 Resp: 1374884

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	23.1	11.7	35.1

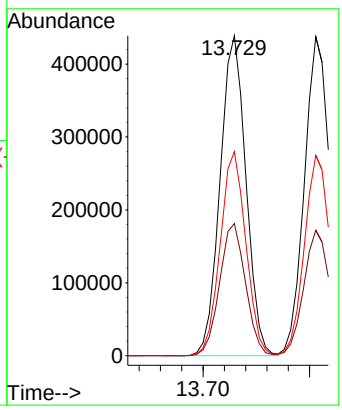




#87
1,3-Dichlorobenzene
Concen: 102.213 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:146 Resp: 73867

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	63.4	32.1	96.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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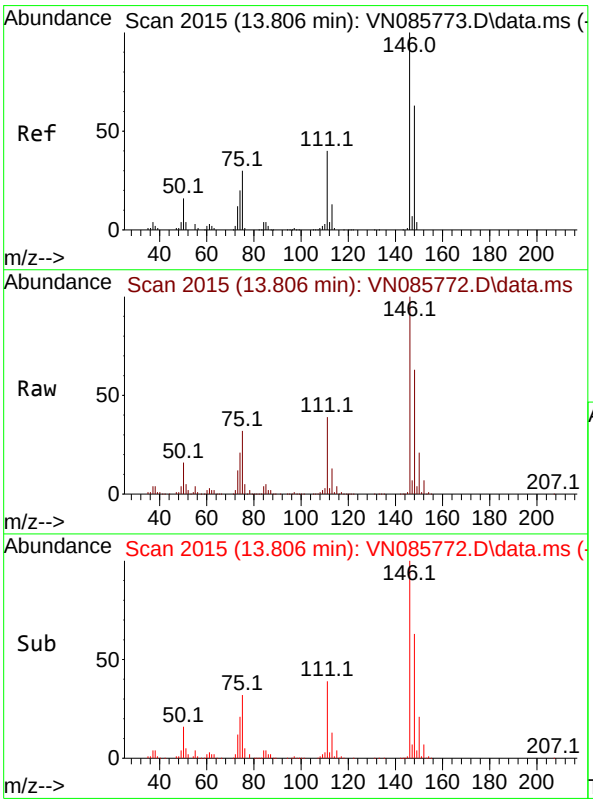
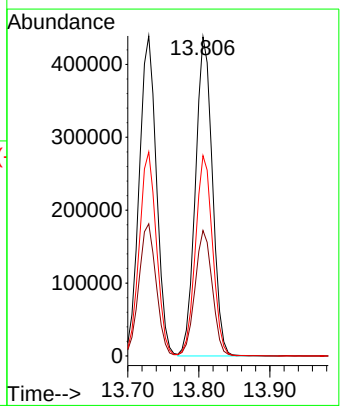
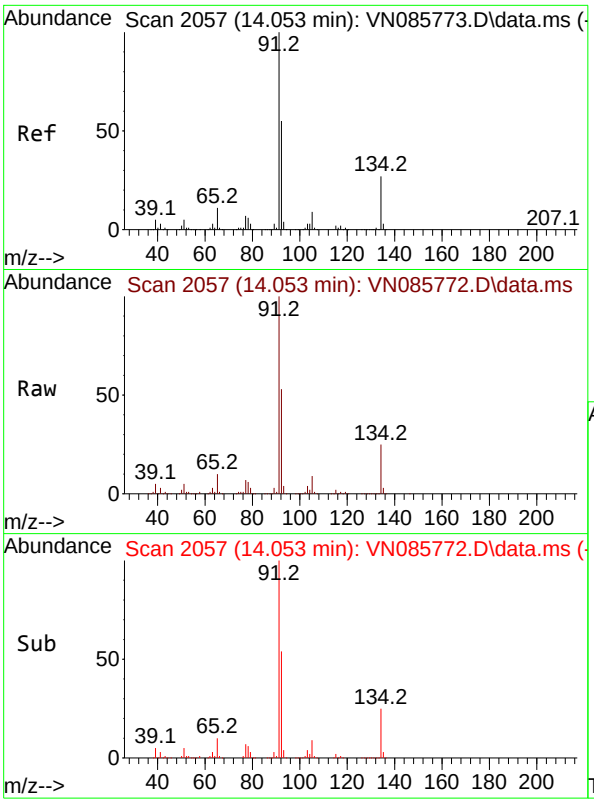


#88
1,4-Dichlorobenzene
Concen: 98.484 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:146 Resp: 729470

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	63.1	31.8	95.4

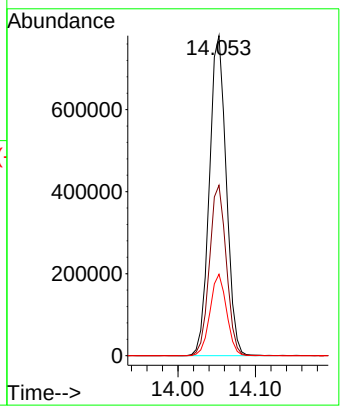




#89
n-Butylbenzene
Concen: 120.179 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 91 Resp: 117905

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.1	81.3
134	25.0	12.7	38.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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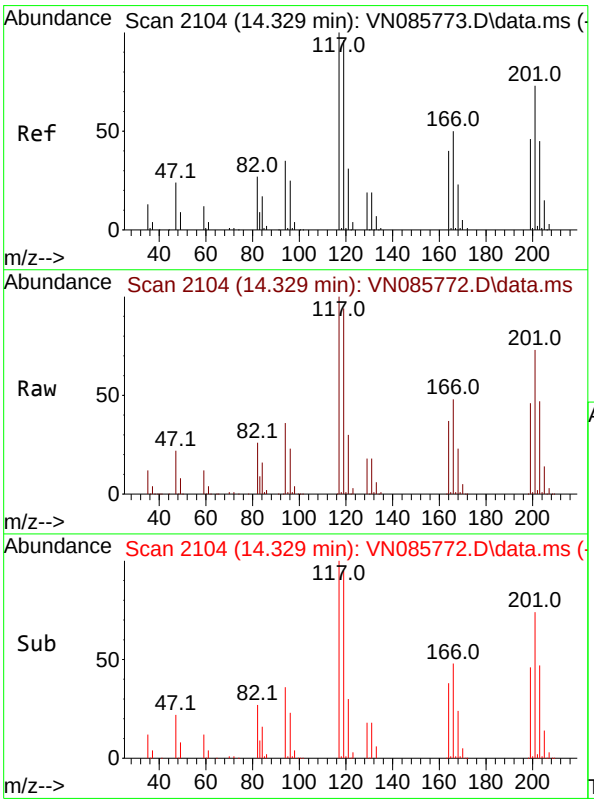
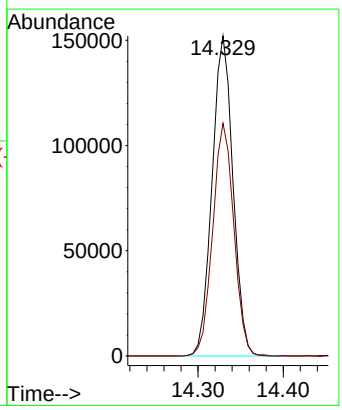
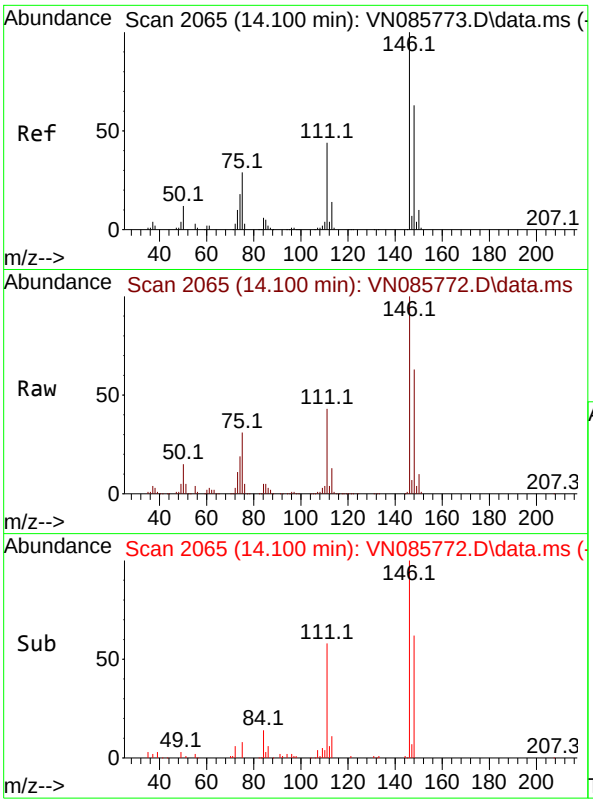


#90
Hexachloroethane
Concen: 98.800 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:117 Resp: 258559

Ion	Ratio	Lower	Upper
117	100		
201	73.4	35.6	106.9

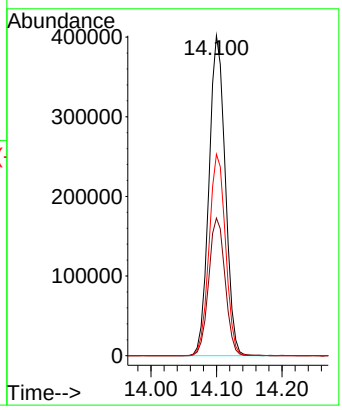




#91
1,2-Dichlorobenzene
Concen: 99.562 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:146 Resp: 69190

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.3
148	63.5	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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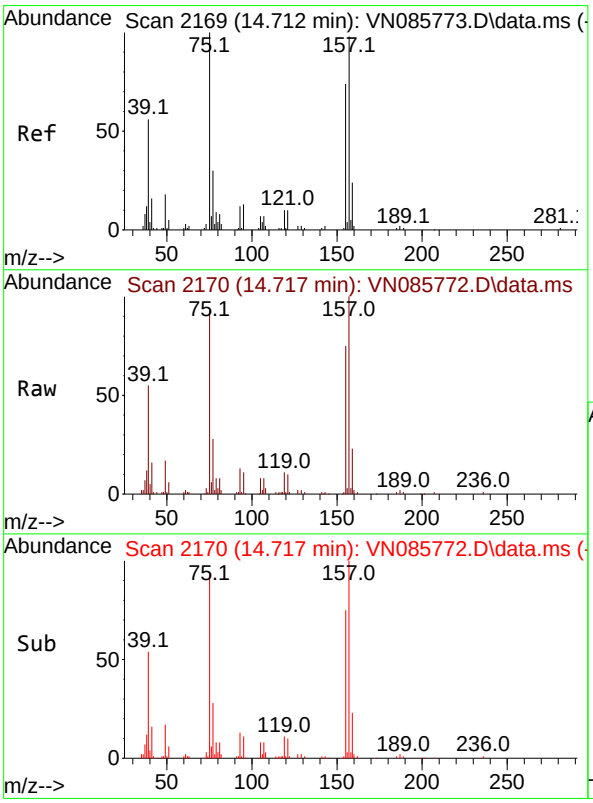
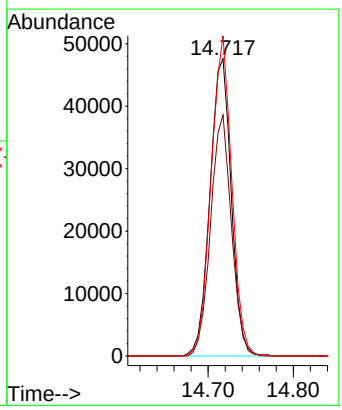
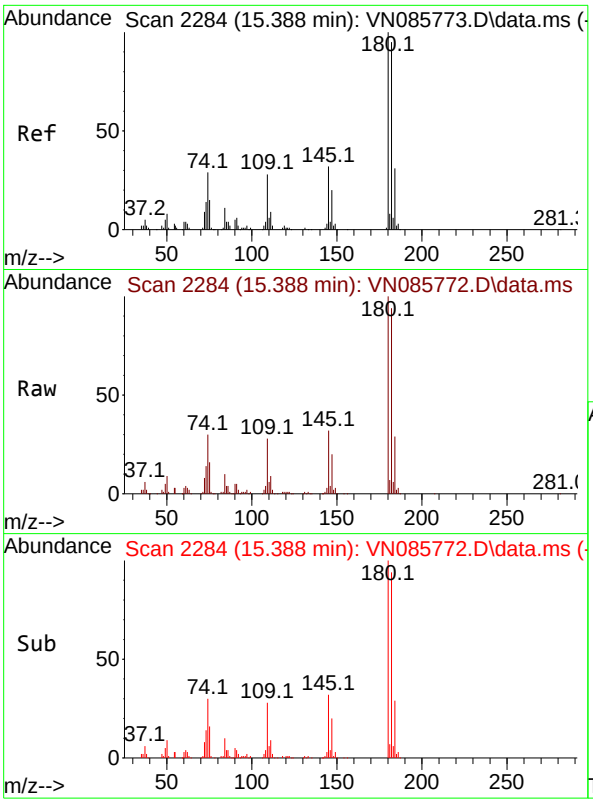


#92
1,2-Dibromo-3-Chloropropane
Concen: 91.495 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 82545

Ion	Ratio	Lower	Upper
75	100		
155	79.3	39.9	119.6
157	104.4	49.9	149.7

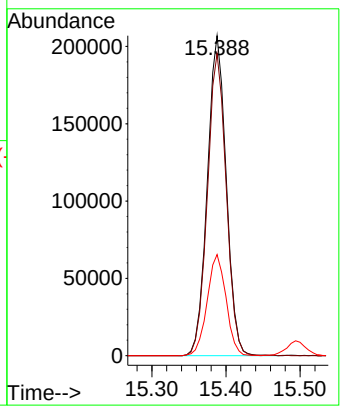




#93
1,2,4-Trichlorobenzene
Concen: 110.404 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:180 Resp: 365599

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	31.7	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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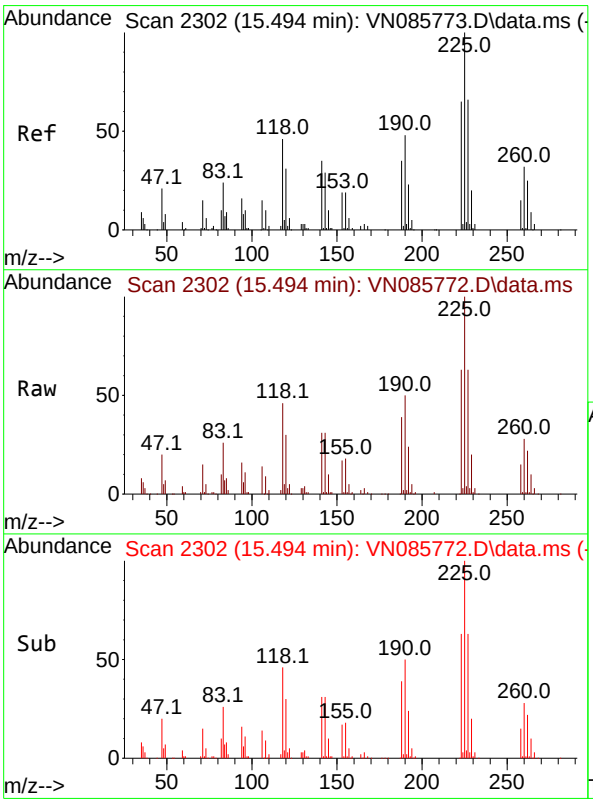
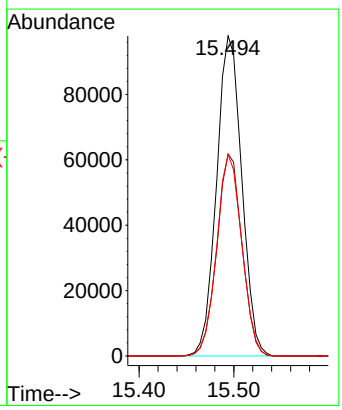
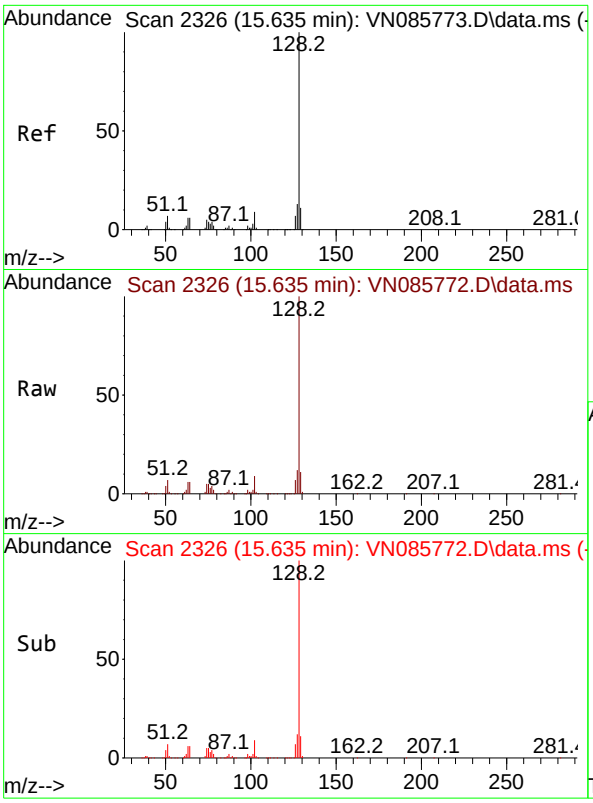


#94
Hexachlorobutadiene
Concen: 90.068 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:225 Resp: 181264

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.5
227	62.6	32.2	96.6

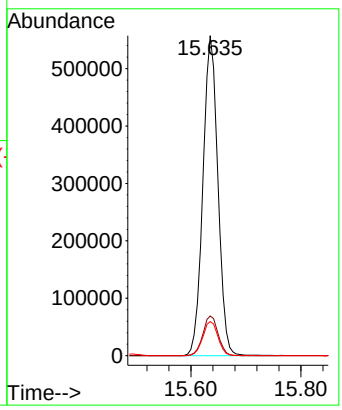




#95
Naphthalene
Concen: 115.870 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:128 Resp: 105341

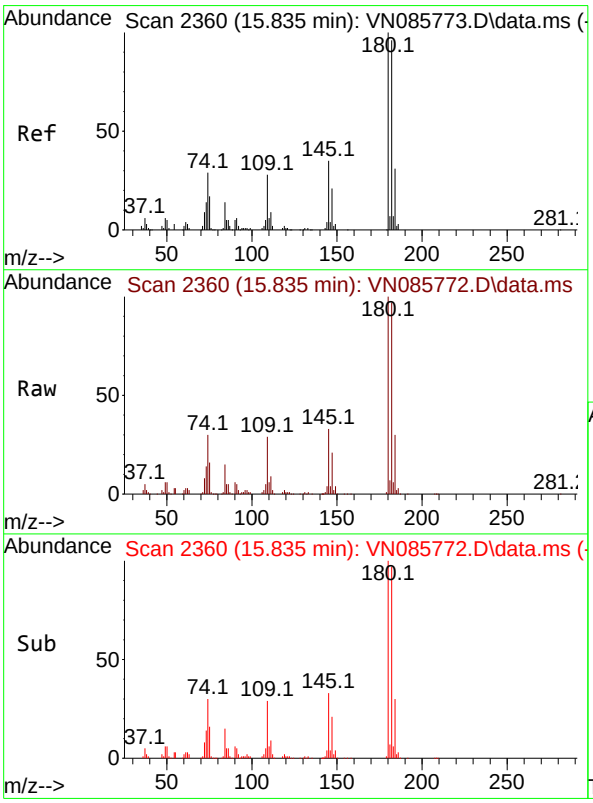
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

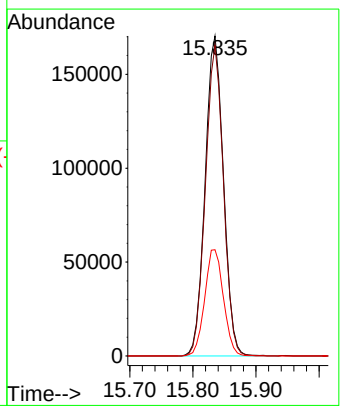
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 103.456 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:180 Resp: 343936

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	33.9	16.9	50.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	322407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	526945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	461653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	227499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	197726	47.304	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.600%			
35) Dibromofluoromethane	8.159	113	167050	48.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.900%			
50) Toluene-d8	10.559	98	632021	50.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.841	95	220691	53.393	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	215740	49.195	ug/l	100
3) Chloromethane	2.359	50	200592	45.584	ug/l	100
4) Vinyl Chloride	2.512	62	218675	46.933	ug/l	100
5) Bromomethane	2.953	94	136563	45.838	ug/l	100
6) Chloroethane	3.124	64	134303	43.517	ug/l	100
7) Trichlorofluoromethane	3.501	101	309133	45.825	ug/l	100
8) Diethyl Ether	3.959	74	106634	48.854	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	181996	46.673	ug/l	100
10) Methyl Iodide	4.583	142	232889	48.452	ug/l	100
11) Tert butyl alcohol	5.506	59	126538	246.136	ug/l	100
12) 1,1-Dichloroethene	4.336	96	170063	48.100	ug/l	100
13) Acrolein	4.177	56	203891	267.442	ug/l	100
14) Allyl chloride	5.018	41	222754	47.986	ug/l	100
15) Acrylonitrile	5.712	53	394641	236.130	ug/l	100
16) Acetone	4.418	43	297175	224.691	ug/l	100
17) Carbon Disulfide	4.712	76	474860	45.317	ug/l	100
18) Methyl Acetate	5.018	43	199458	43.846	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	534589	50.883	ug/l	100
20) Methylene Chloride	5.271	84	191098	44.929	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	176973	46.486	ug/l	100
22) Diisopropyl ether	6.665	45	529828	50.512	ug/l	100
23) Vinyl Acetate	6.594	43	1802342	251.727	ug/l	100
24) 1,1-Dichloroethane	6.565	63	333567	46.781	ug/l	100
25) 2-Butanone	7.471	43	474562	243.893	ug/l	100
26) 2,2-Dichloropropane	7.483	77	304840	48.079	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	213235	48.306	ug/l	100
28) Bromochloromethane	7.806	49	143276	48.888	ug/l	100
29) Tetrahydrofuran	7.830	42	315243	250.894	ug/l	100
30) Chloroform	7.959	83	344841	46.278	ug/l	100
31) Cyclohexane	8.253	56	277254	46.440	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	311700	47.030	ug/l	100
36) 1,1-Dichloropropene	8.365	75	242144	49.620	ug/l	100
37) Ethyl Acetate	7.553	43	197609	49.206	ug/l	100
38) Carbon Tetrachloride	8.353	117	278306	47.997	ug/l	100
39) Methylcyclohexane	9.594	83	259289	54.085	ug/l	100
40) Benzene	8.600	78	759363	48.551	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	113568	52.901	ug/l		100
42) 1,2-Dichloroethane	8.665	62	240115	47.132	ug/l		100
43) Isopropyl Acetate	8.683	43	335482	47.574	ug/l		100
44) Trichloroethene	9.347	130	178742	46.544	ug/l		100
45) 1,2-Dichloropropane	9.618	63	182649	48.379	ug/l		100
46) Dibromomethane	9.700	93	127850	48.010	ug/l		100
47) Bromodichloromethane	9.882	83	272912	47.901	ug/l		100
48) Methyl methacrylate	9.677	41	158375	53.102	ug/l		100
49) 1,4-Dioxane	9.688	88	60759	1071.301	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	997906	257.731	ug/l		100
52) Toluene	10.624	92	475069	51.816	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	274791	52.159	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	298359	51.646	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	174198	47.788	ug/l		100
56) Ethyl methacrylate	10.871	69	261825	49.960	ug/l		100
57) 1,3-Dichloropropane	11.159	76	297683	48.920	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	458983	230.774	ug/l		100
59) 2-Hexanone	11.188	43	719870	270.257	ug/l		100
60) Dibromochloromethane	11.353	129	211769	49.890	ug/l		100
61) 1,2-Dibromoethane	11.465	107	169422	49.191	ug/l		100
64) Tetrachloroethene	11.100	164	166710	46.613	ug/l		100
65) Chlorobenzene	11.882	112	512436	48.454	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	182537	48.020	ug/l		100
67) Ethyl Benzene	11.959	91	879040	53.062	ug/l		100
68) m/p-Xylenes	12.065	106	684377	108.757	ug/l		100
69) o-Xylene	12.394	106	324948	54.342	ug/l		100
70) Styrene	12.406	104	555269	49.909	ug/l		100
71) Bromoform	12.570	173	139895	49.528	ug/l	#	100
73) Isopropylbenzene	12.688	105	817980	52.482	ug/l		100
74) N-amyl acetate	12.488	43	282288	51.360	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	239463	44.649	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	215451m	43.108	ug/l		
77) Bromobenzene	12.976	156	205754	48.863	ug/l		100
78) n-propylbenzene	13.029	91	968182	54.241	ug/l		100
79) 2-Chlorotoluene	13.118	91	595046	49.895	ug/l		100
80) 1,3,5-Trimethylbenzene	13.165	105	695205	54.757	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	90255	52.111	ug/l		100
82) 4-Chlorotoluene	13.218	91	604612	51.139	ug/l		100
83) tert-Butylbenzene	13.435	119	586493	54.933	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	700260	55.748	ug/l		100
85) sec-Butylbenzene	13.612	105	831143	55.099	ug/l		100
86) p-Isopropyltoluene	13.723	119	692641	50.103	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	372004	47.154	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	374700	46.340	ug/l		100
89) n-Butylbenzene	14.053	91	580445	54.197	ug/l		100
90) Hexachloroethane	14.329	117	133438	46.708	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	358159	47.211	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.712	75	43935	44.611	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	182458	50.473	ug/l		100
94) Hexachlorobutadiene	15.494	225	96444	43.899	ug/l		100
95) Naphthalene	15.635	128	528627	53.265	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	179544	49.473	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

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

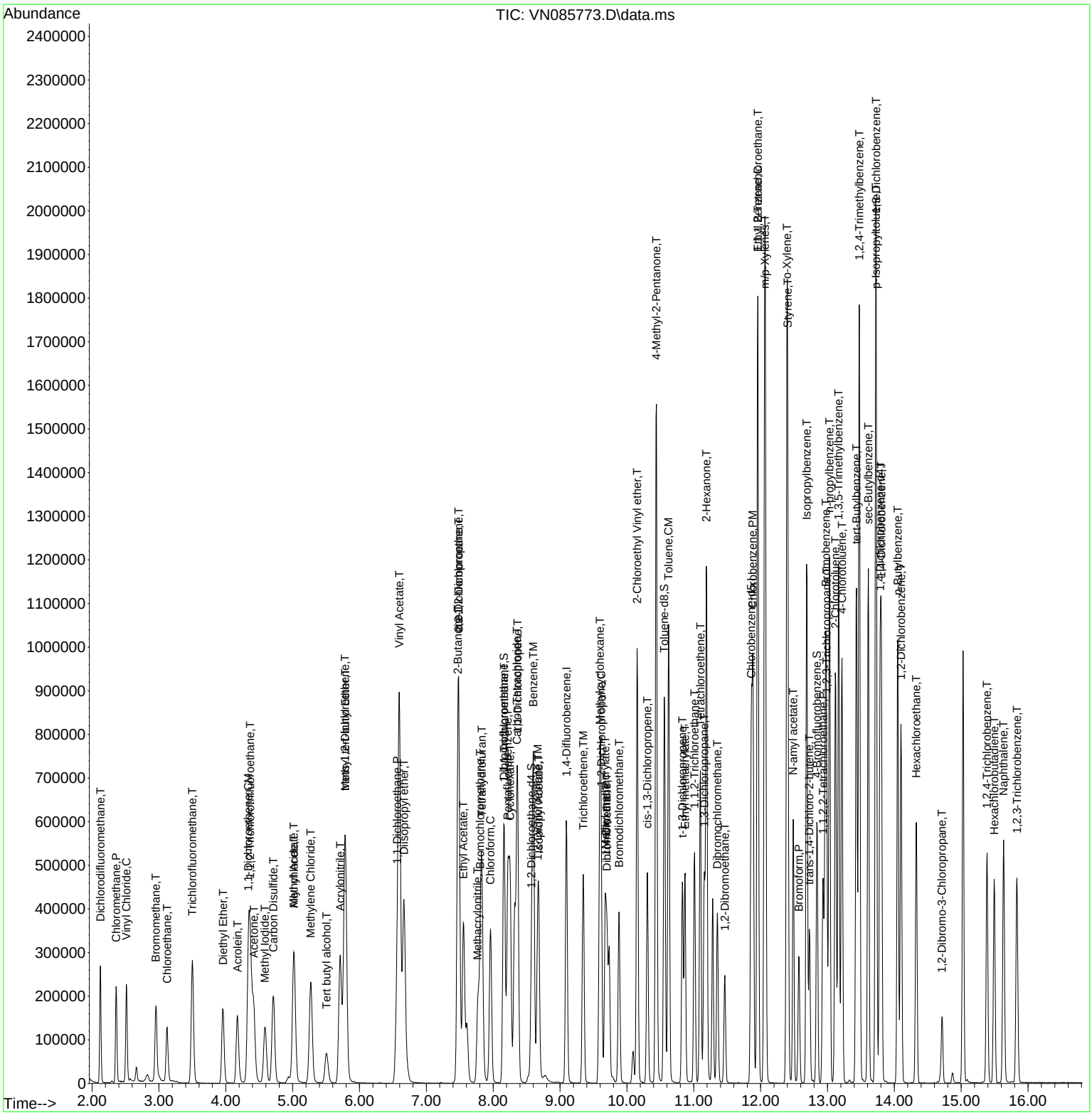
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

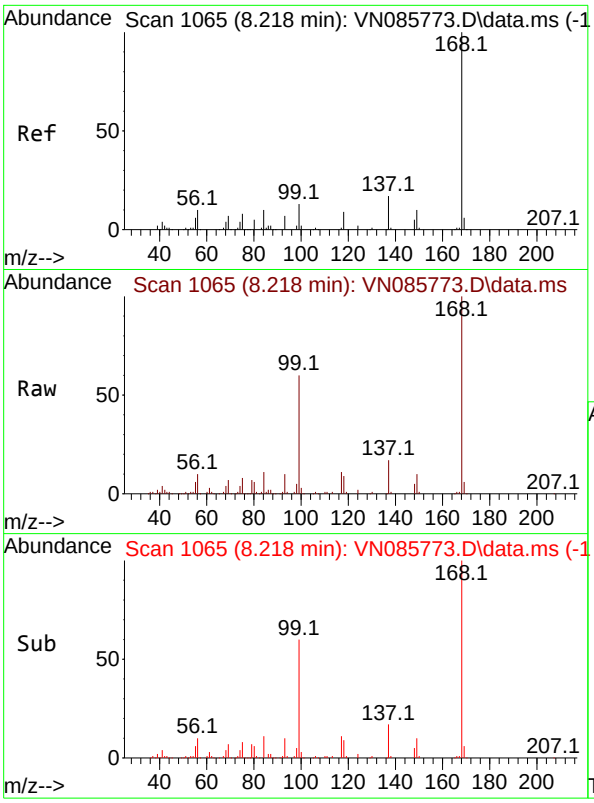
Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

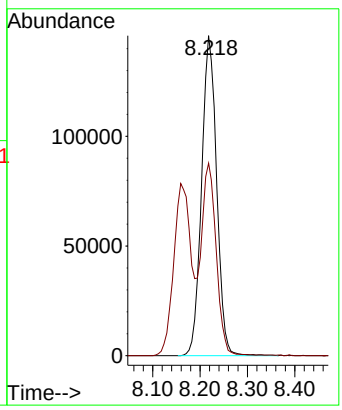




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:168 Resp: 32240

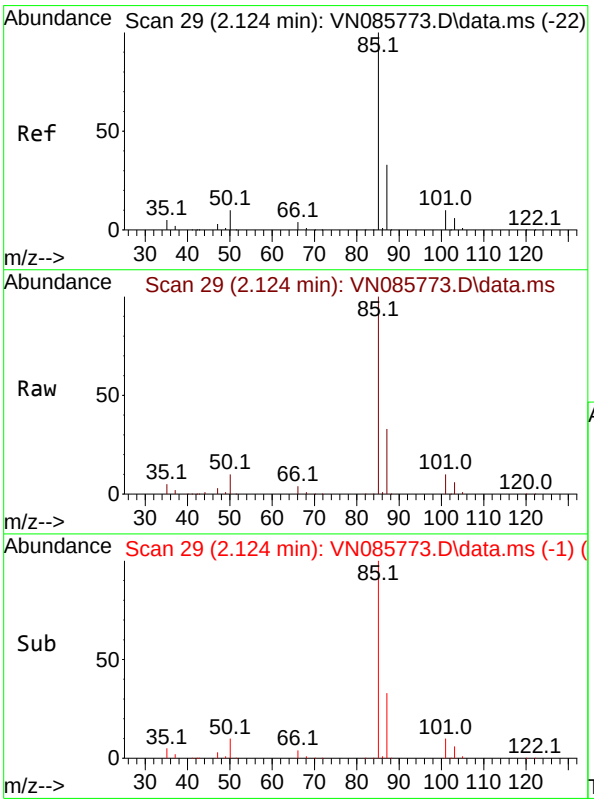
Ion	Ratio	Lower	Upper
168	100		
99	59.9	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

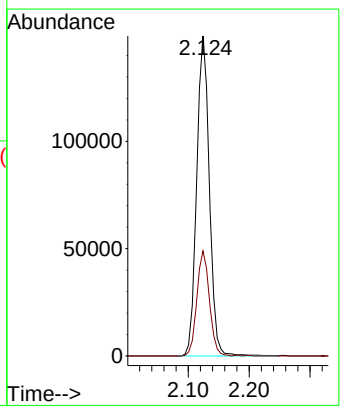
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

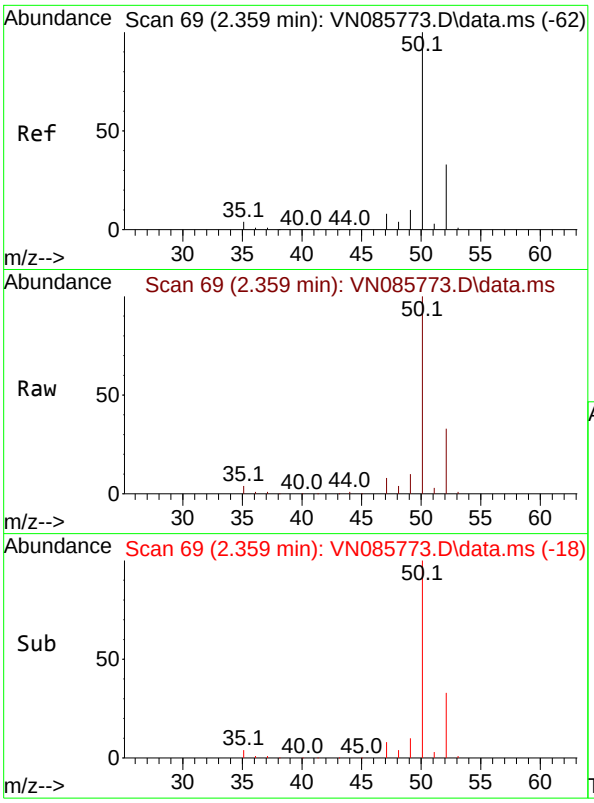


#2
Dichlorodifluoromethane
Concen: 49.195 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 85 Resp: 215740

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.2





#3
Chloromethane
Concen: 45.584 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

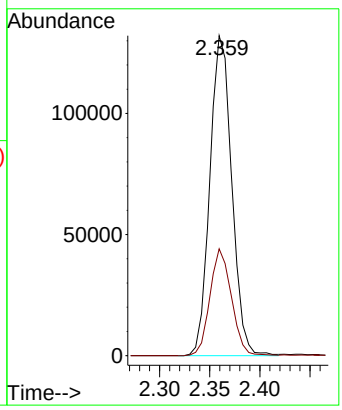
Tgt Ion: 50 Resp: 20059

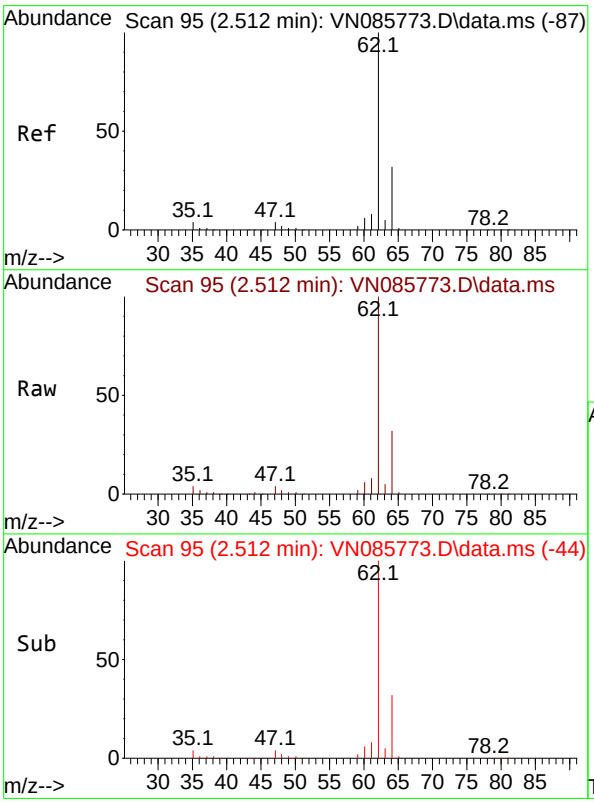
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.7	40.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

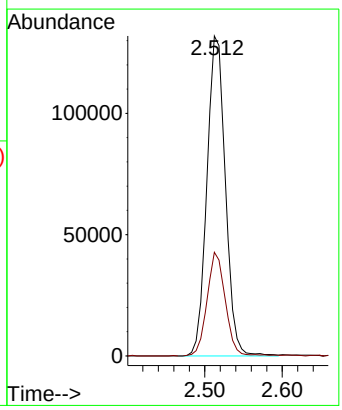


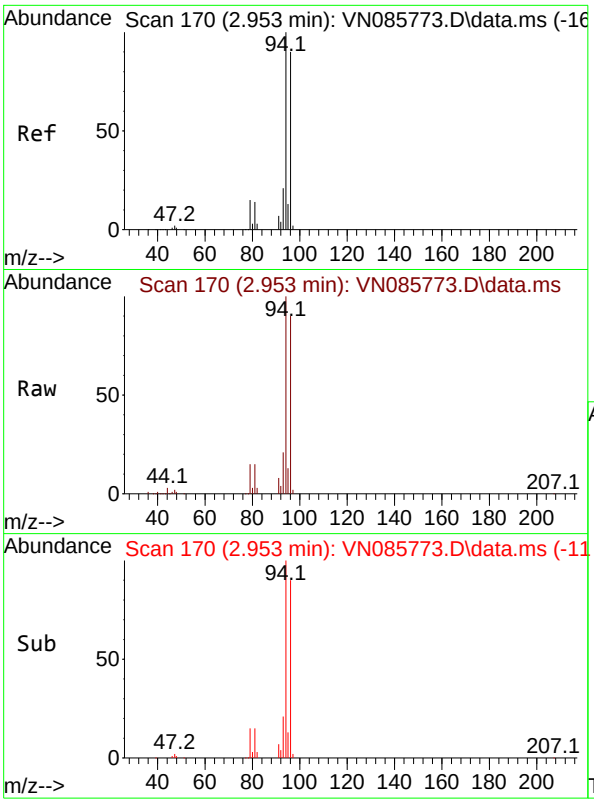


#4
Vinyl Chloride
Concen: 46.933 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 62 Resp: 218675

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.9	38.9

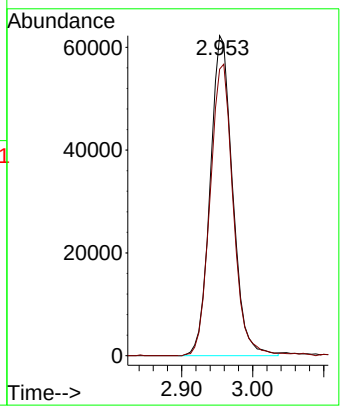




#5
Bromomethane
Concen: 45.838 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 94 Resp: 13656

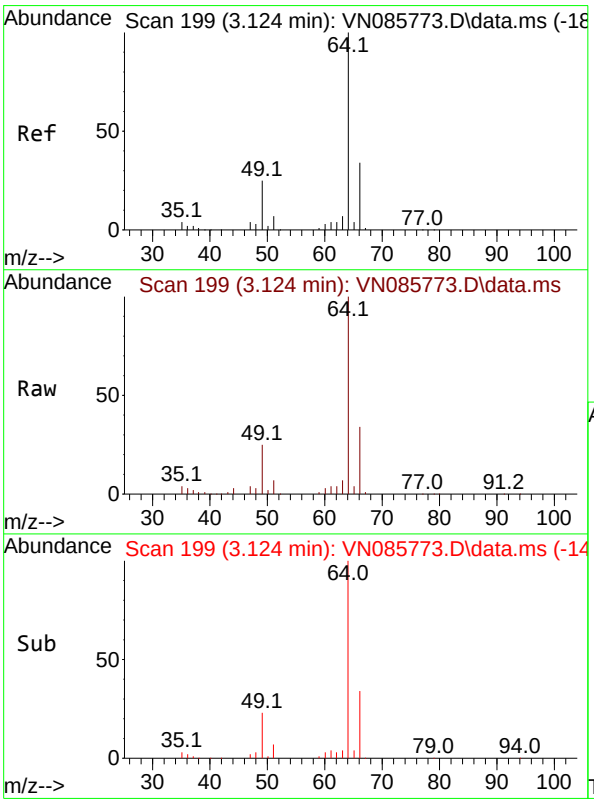
Ion	Ratio	Lower	Upper
94	100		
96	89.6	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

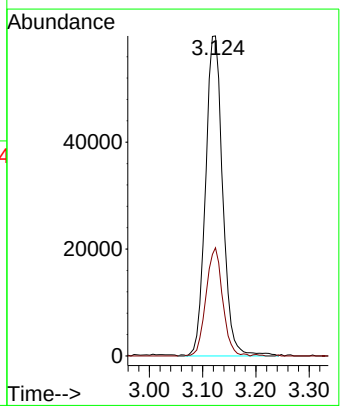
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

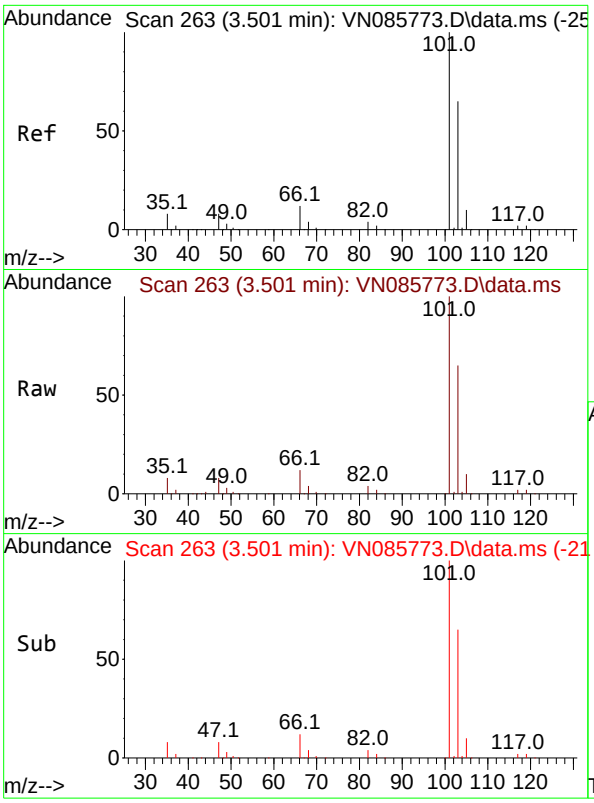


#6
Chloroethane
Concen: 43.517 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 64 Resp: 134303

Ion	Ratio	Lower	Upper
64	100		
66	33.8	27.0	40.6





#7
Trichlorofluoromethane
Concen: 45.825 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

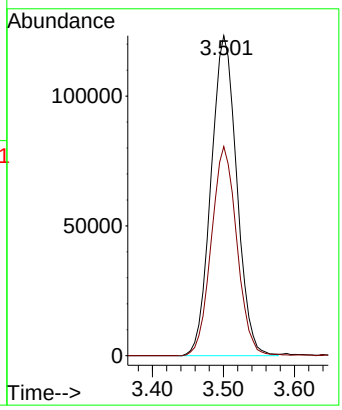
Tgt Ion:101 Resp: 30913

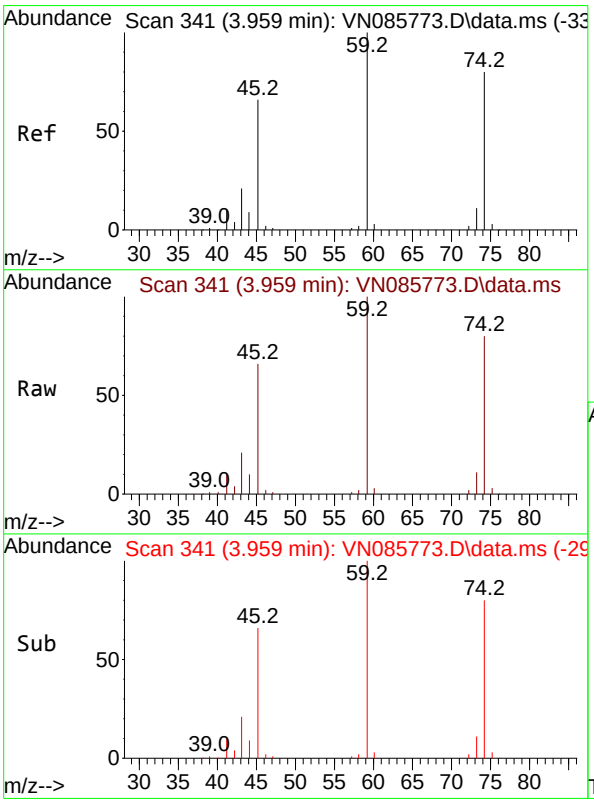
Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

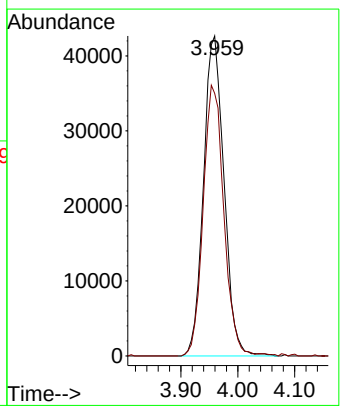


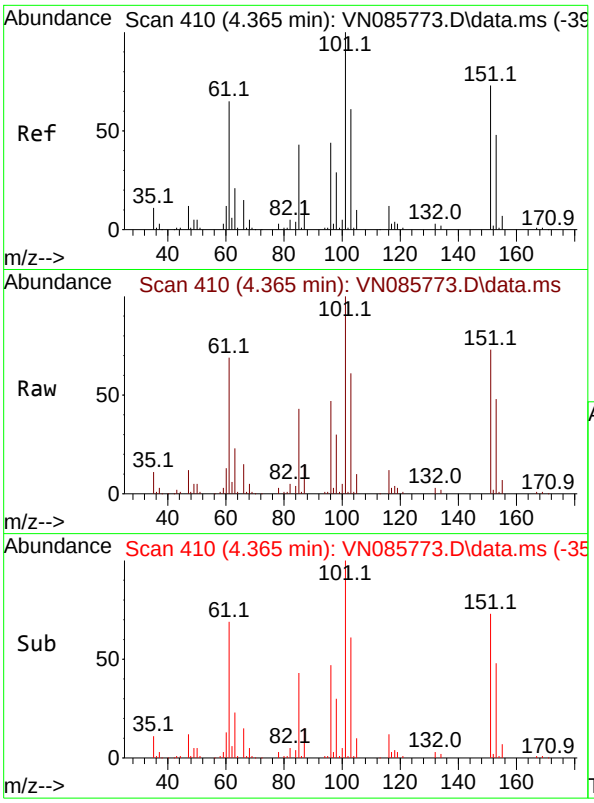


#8
Diethyl Ether
Concen: 48.854 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 74 Resp: 106634

Ion	Ratio	Lower	Upper
74	100		
45	85.1	42.5	127.6

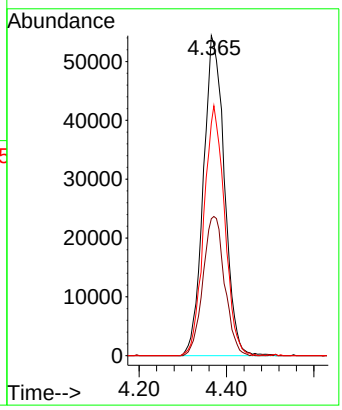




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.673 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:101 Resp: 18199

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	76.8	61.4	92.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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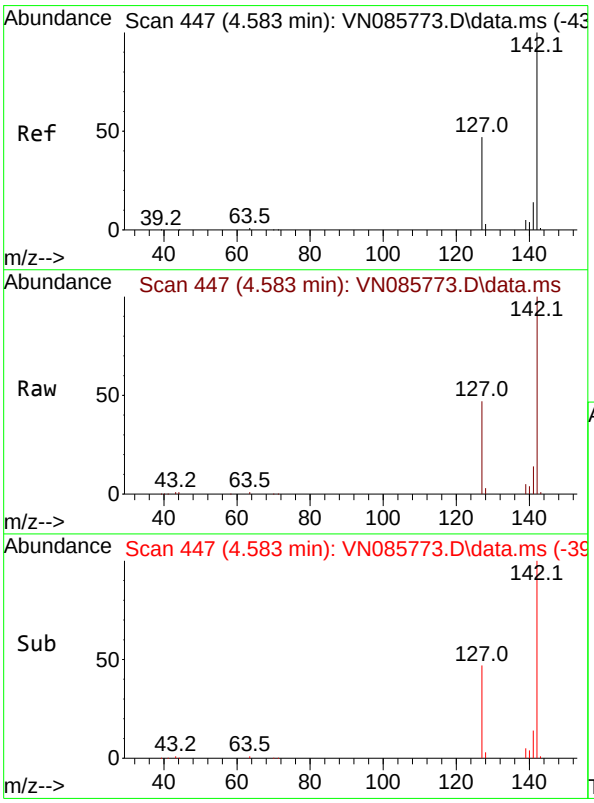
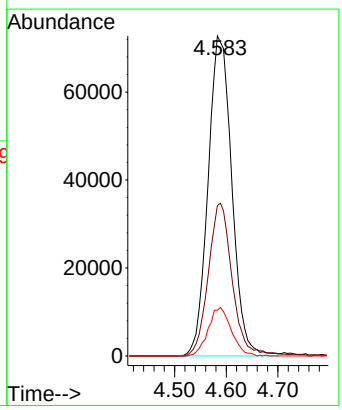
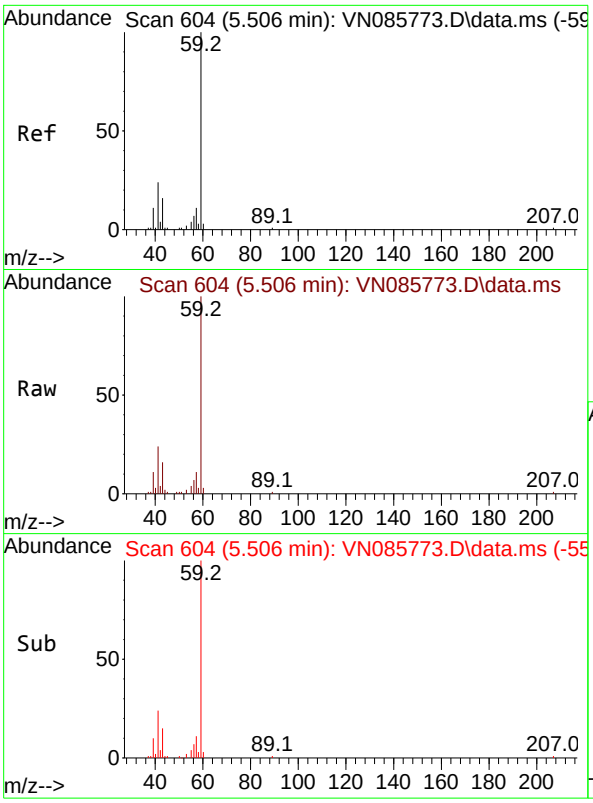


#10
Methyl Iodide
Concen: 48.452 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:142 Resp: 232889

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.6	56.4
141	14.3	11.4	17.2

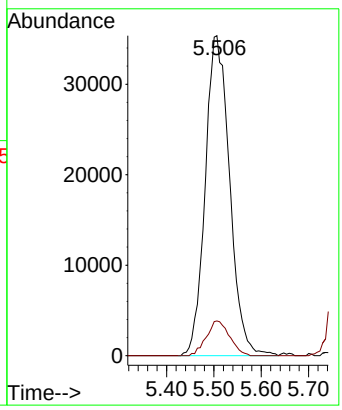




#11
Tert butyl alcohol
Concen: 246.136 ug/l
RT: 5.506 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 59 Resp: 12653

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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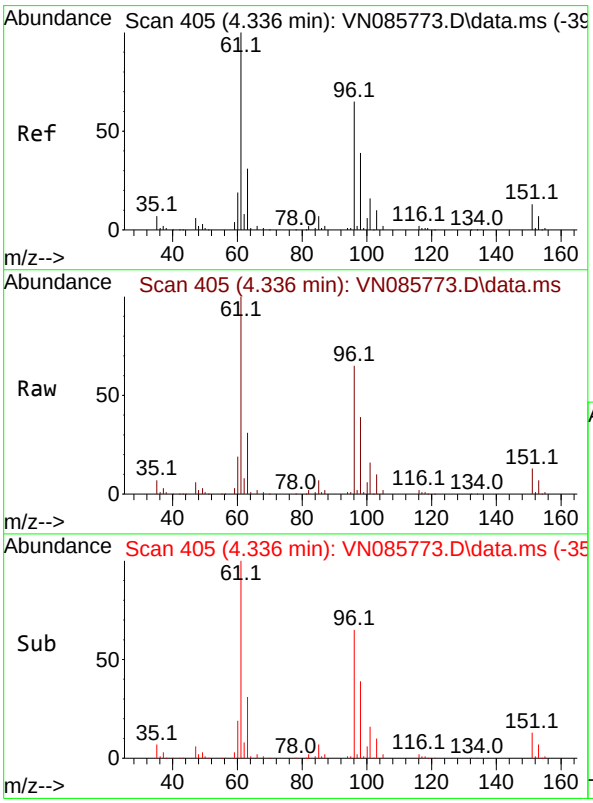
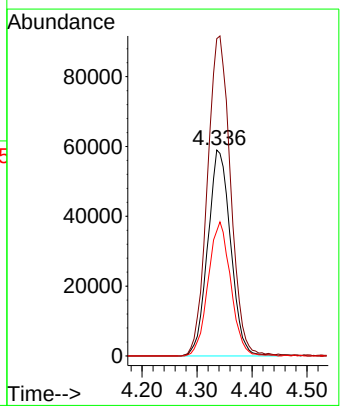
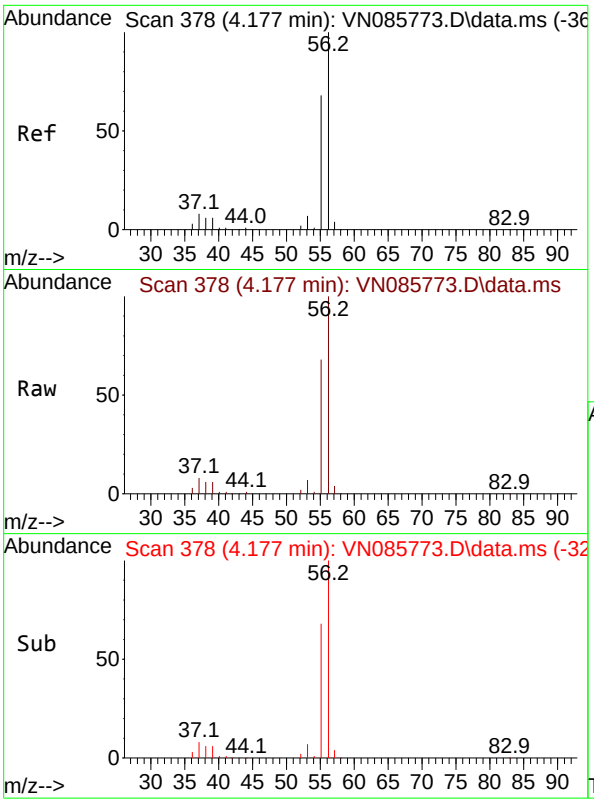


#12
1,1-Dichloroethene
Concen: 48.100 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 96 Resp: 170063

Ion	Ratio	Lower	Upper
96	100		
61	154.1	123.3	184.9
98	60.7	48.6	72.8

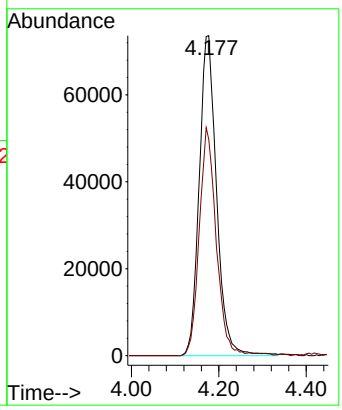




#13
Acrolein
Concen: 267.442 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 56 Resp: 20389

Ion	Ratio	Lower	Upper
56	100		
55	69.1	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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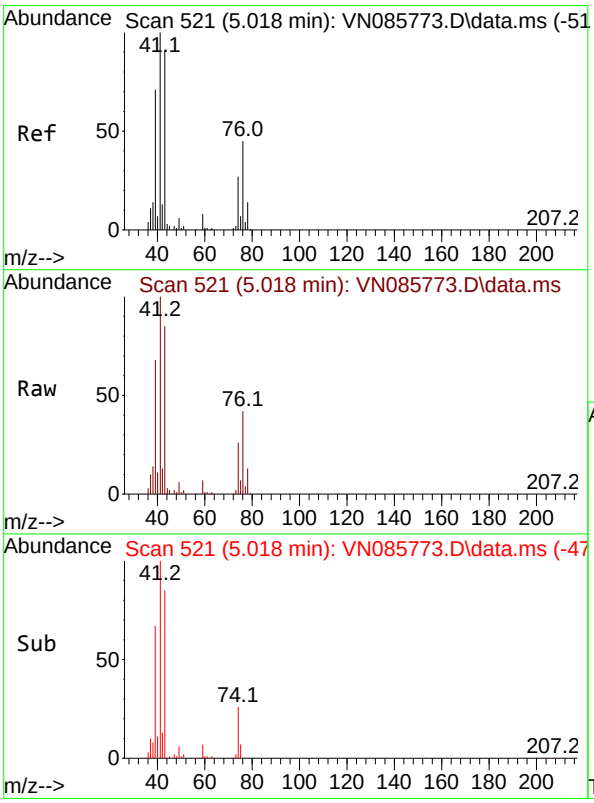
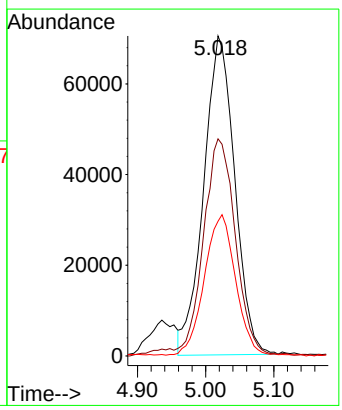
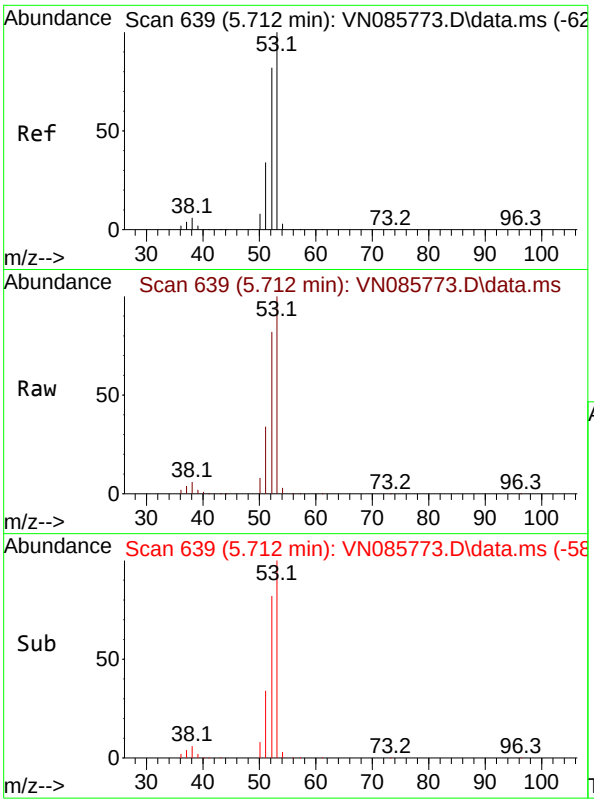


#14
Allyl chloride
Concen: 47.986 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 41 Resp: 222754

Ion	Ratio	Lower	Upper
41	100		
39	71.8	57.4	86.2
76	45.2	36.2	54.2





#15
Acrylonitrile
Concen: 236.130 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 53 Resp: 39464

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.6
51	35.7	28.6	42.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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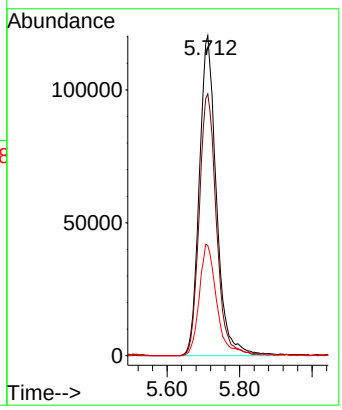
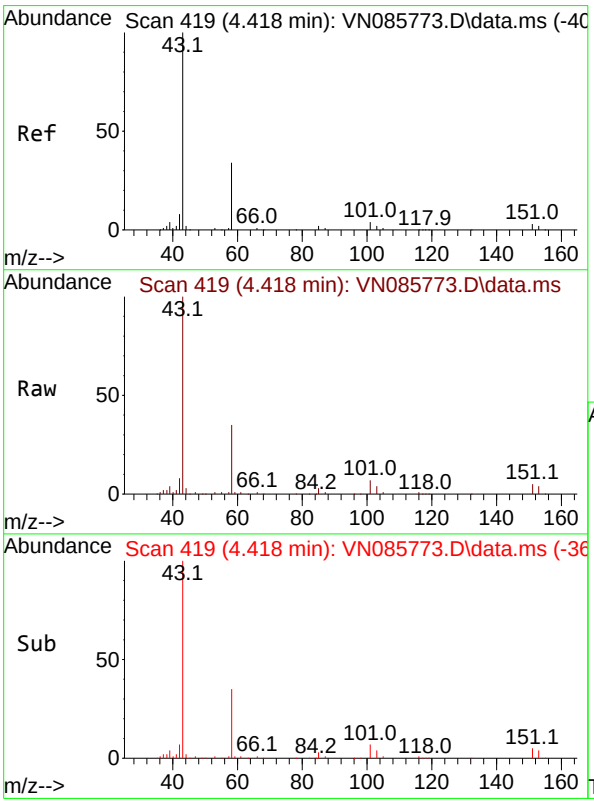
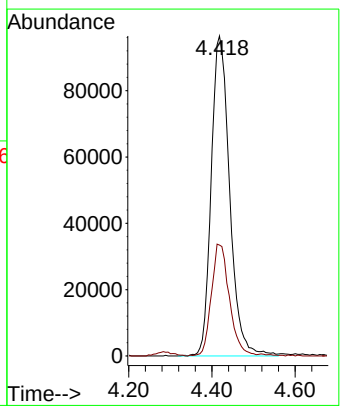


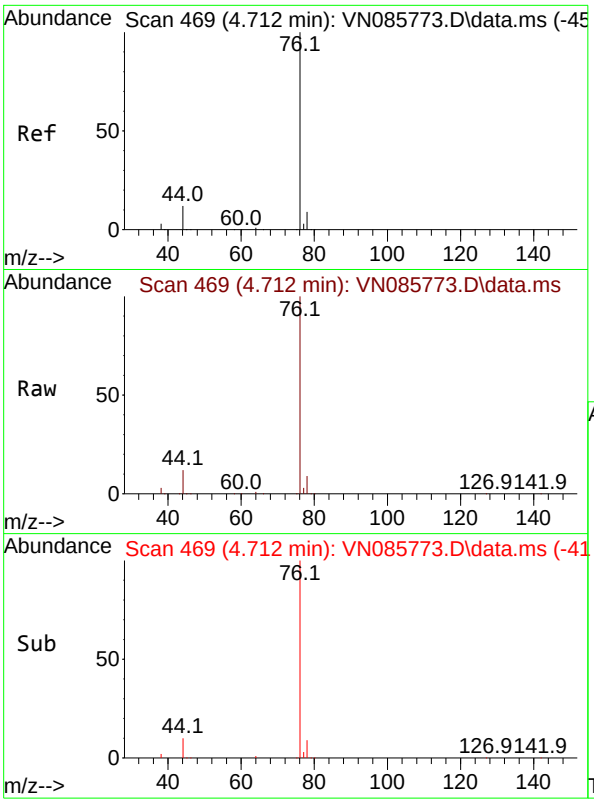


#16
Acetone
Concen: 224.691 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 297175

Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.5	41.3





#17
Carbon Disulfide
Concen: 45.317 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 76 Resp: 47486

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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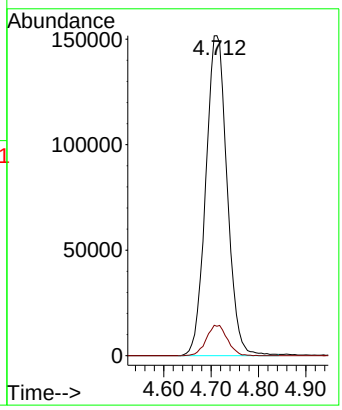
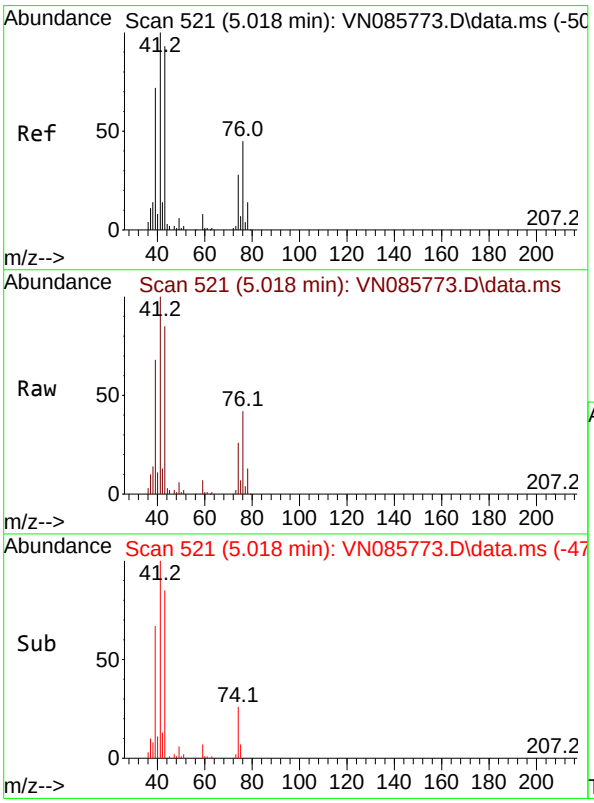
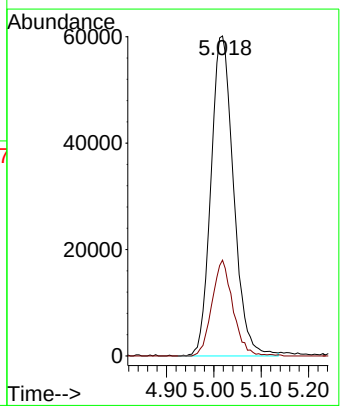


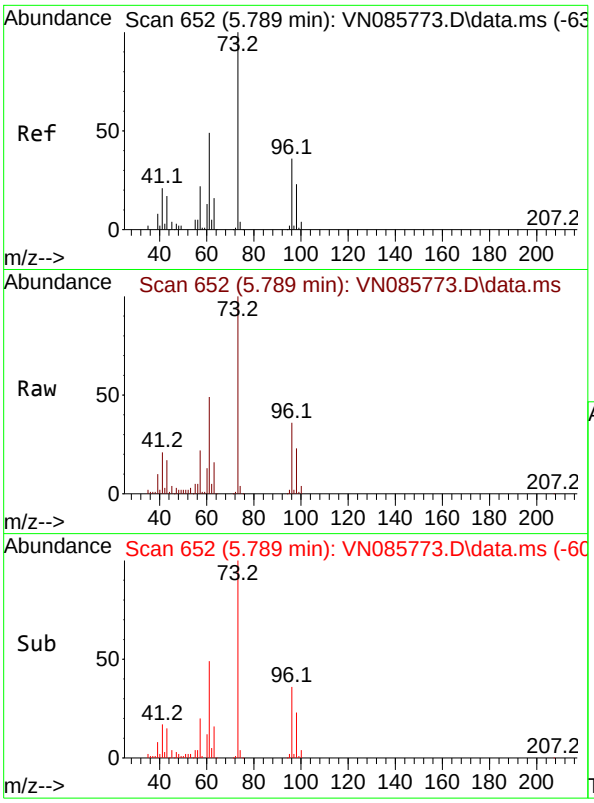


#18
Methyl Acetate
Concen: 43.846 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 199458

Ion	Ratio	Lower	Upper
43	100		
74	27.8	22.2	33.4

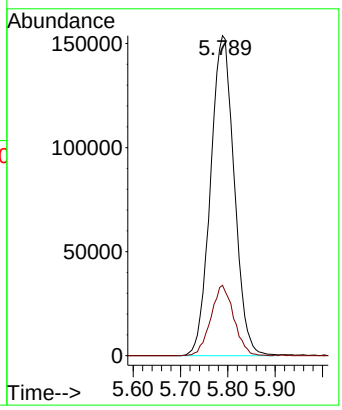




#19
Methyl tert-butyl Ether
Concen: 50.883 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 73 Resp: 53458

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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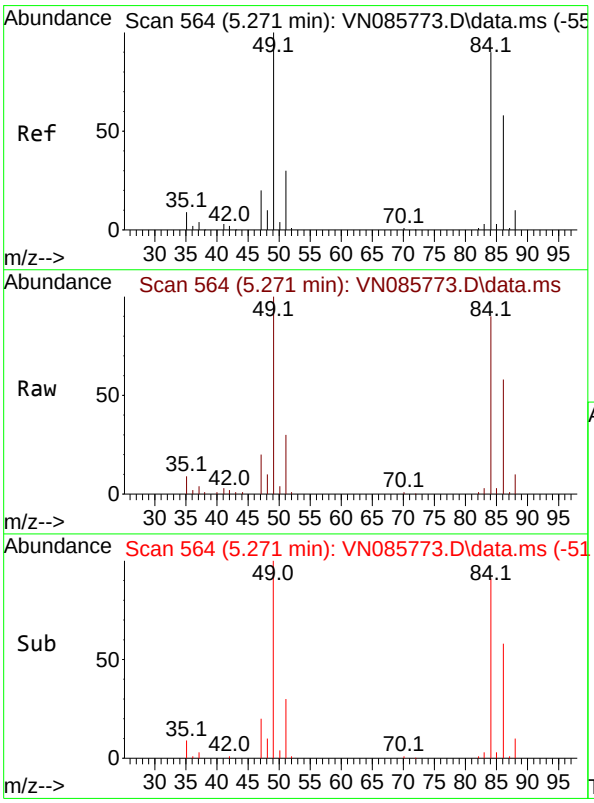
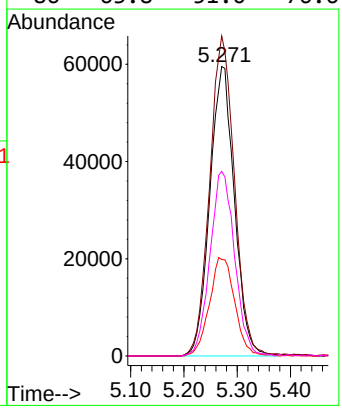
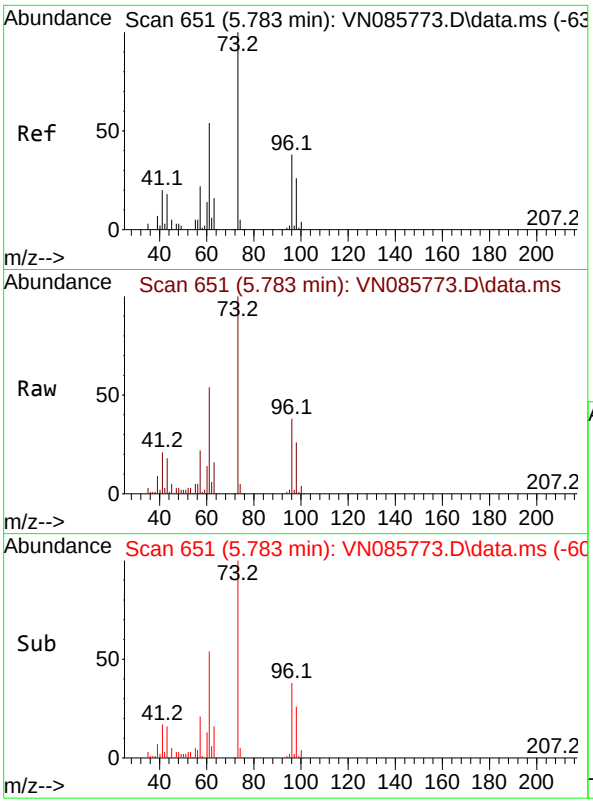


#20
Methylene Chloride
Concen: 44.929 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 84 Resp: 191098

Ion	Ratio	Lower	Upper
84	100		
49	110.5	88.4	132.6
51	33.3	26.6	40.0
86	63.8	51.0	76.6





#21
trans-1,2-Dichloroethene
Concen: 46.486 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 96 Resp: 17697

Ion	Ratio	Lower	Upper
96	100		
61	140.7	112.6	168.8
98	66.6	53.3	79.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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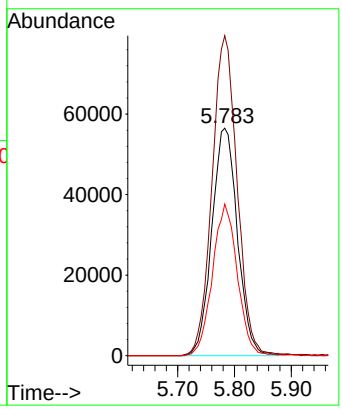
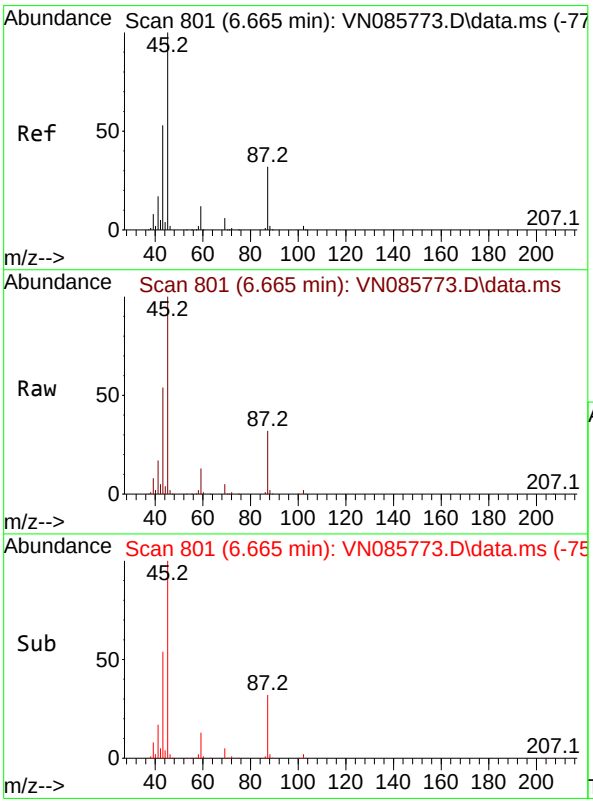
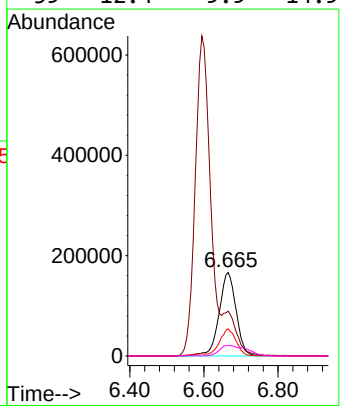


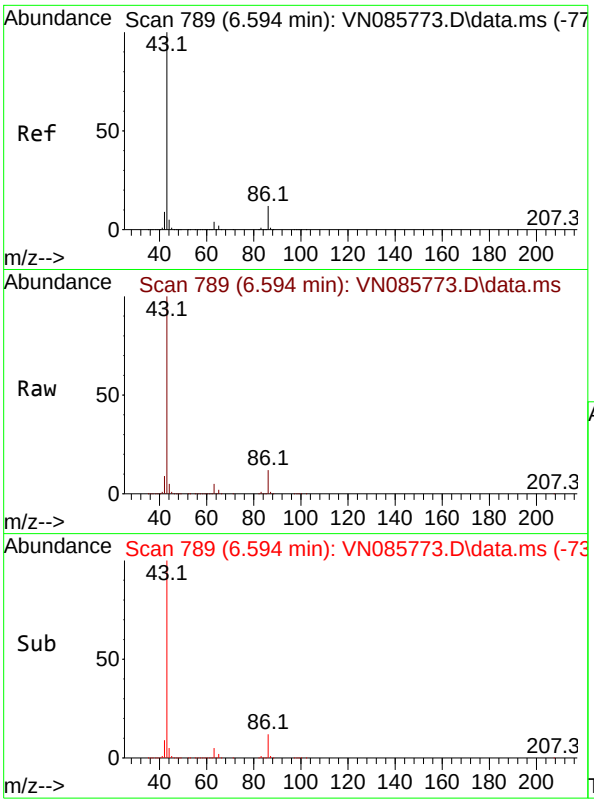


#22
Diisopropyl ether
Concen: 50.512 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 45 Resp: 529828

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.6	64.0
87	32.3	25.8	38.8
59	12.4	9.9	14.9

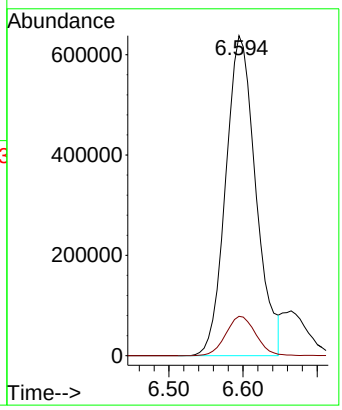




#23
Vinyl Acetate
Concen: 251.727 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 180234

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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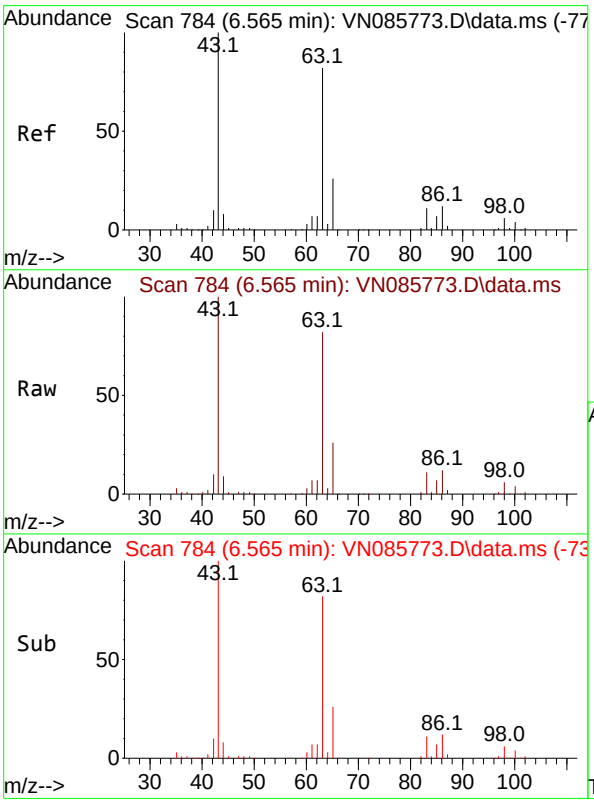
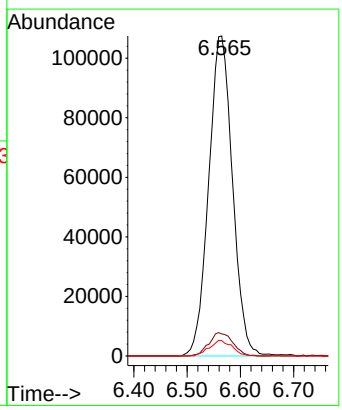
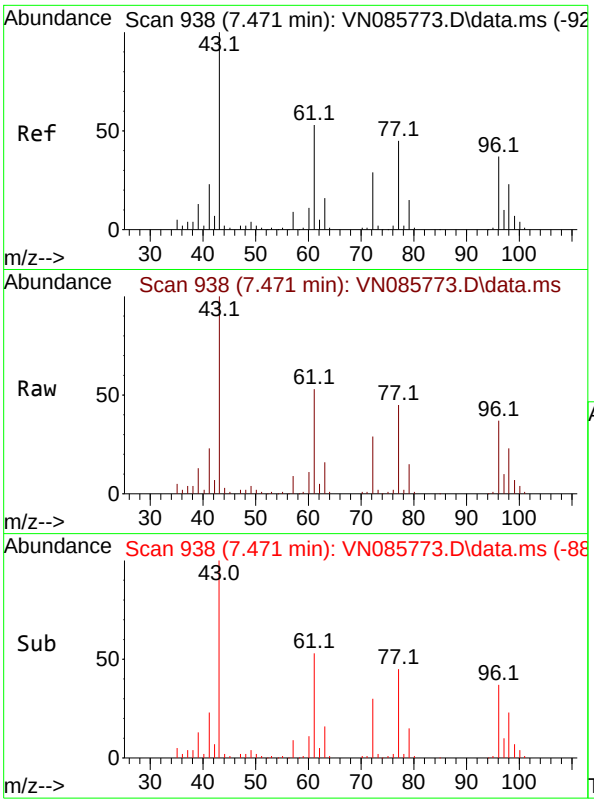


#24
1,1-Dichloroethane
Concen: 46.781 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 63 Resp: 333567

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	4.8	2.4	7.2





#25
2-Butanone
Concen: 243.893 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 47456

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.6	35.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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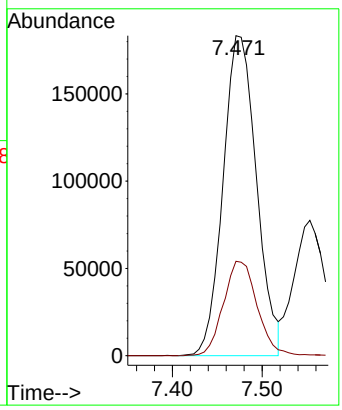
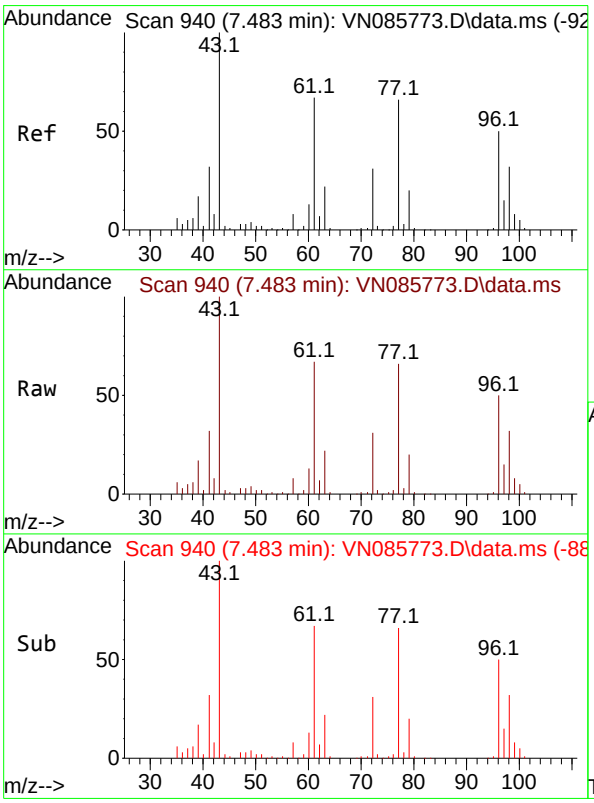
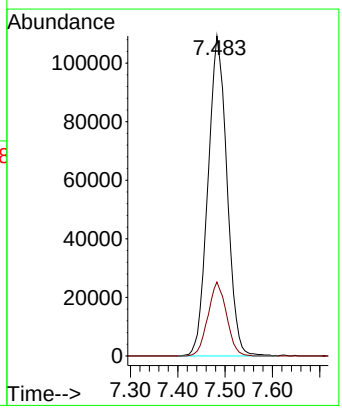


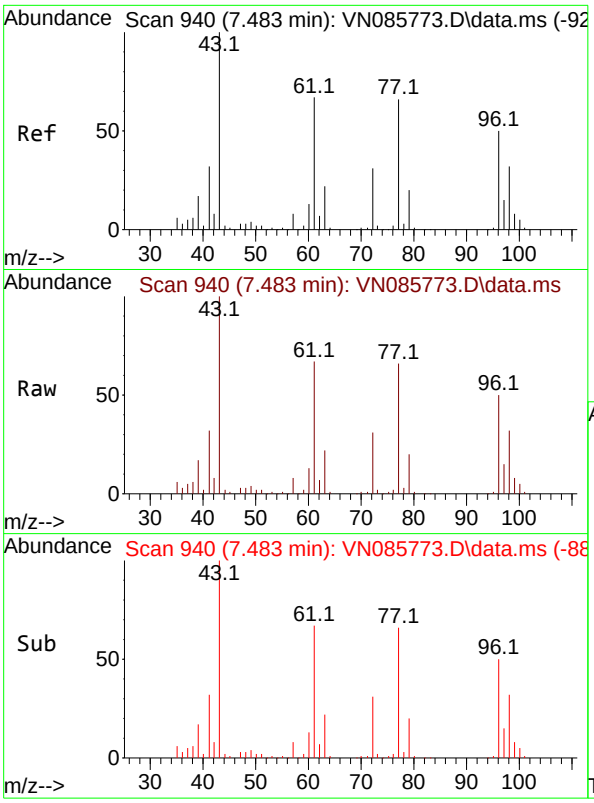


#26
2,2-Dichloropropane
Concen: 48.079 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 77 Resp: 304840

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 48.306 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 96 Resp: 21323

Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	280.6
98	64.3	0.0	128.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 02/19/2025
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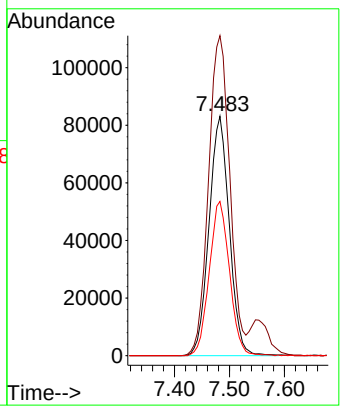
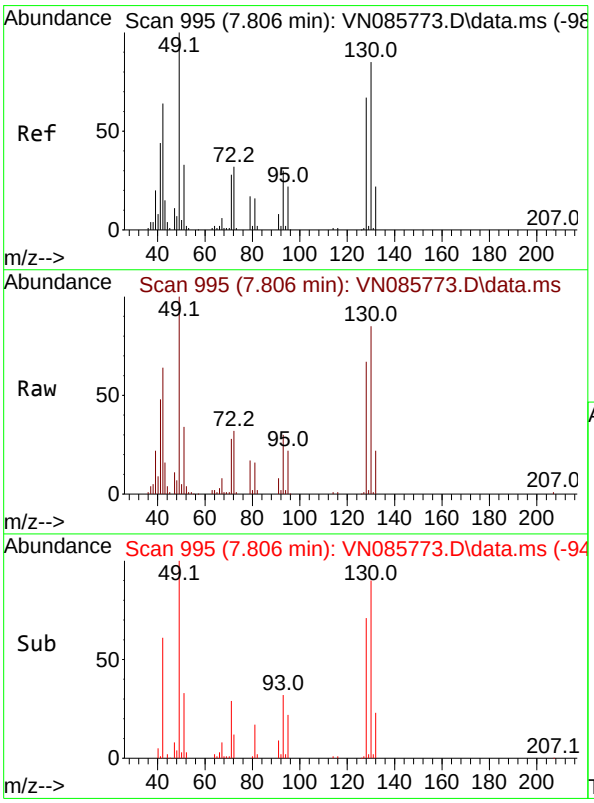
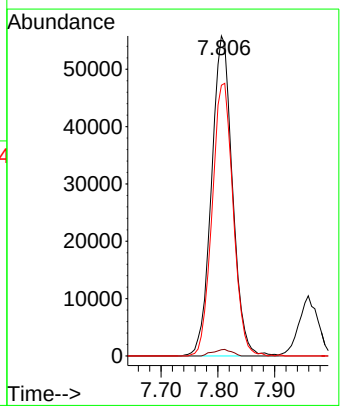


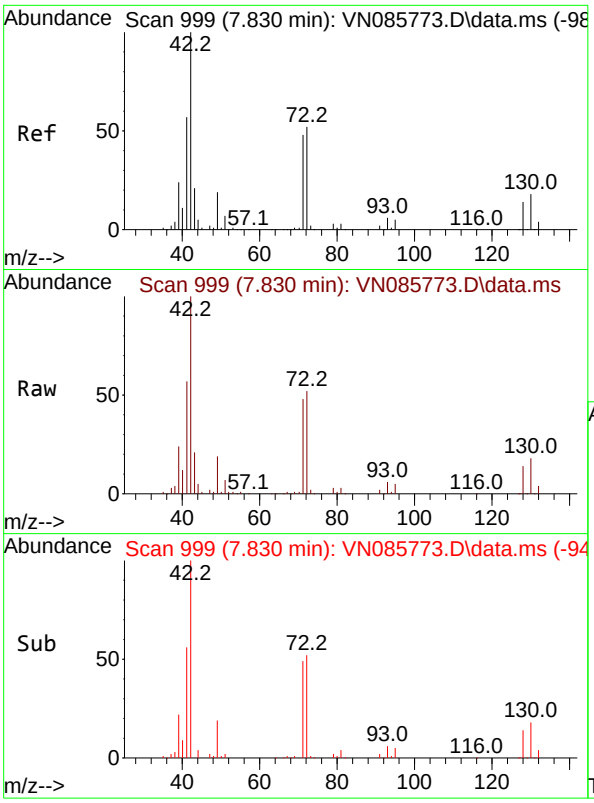


#28
Bromochloromethane
Concen: 48.888 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 49 Resp: 143276

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	85.0	68.0	102.0

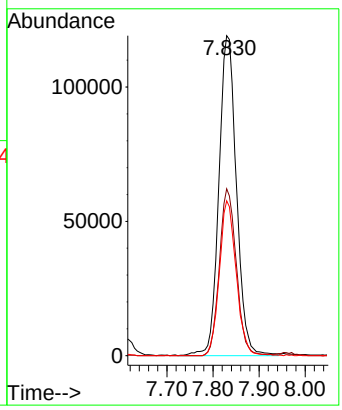




#29
Tetrahydrofuran
Concen: 250.894 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 42 Resp: 31524

Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.0	60.0
71	46.2	37.0	55.4



Instrument :
MSVOA_N
ClientSampleId :
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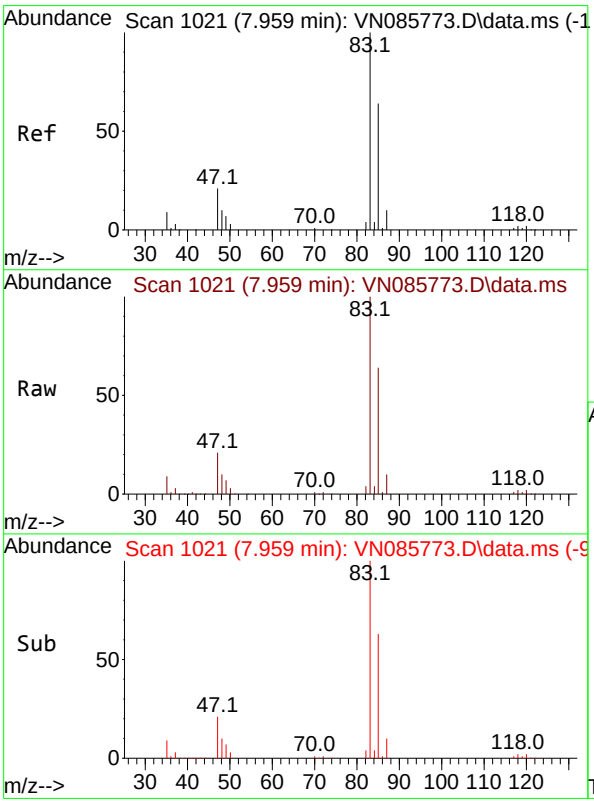
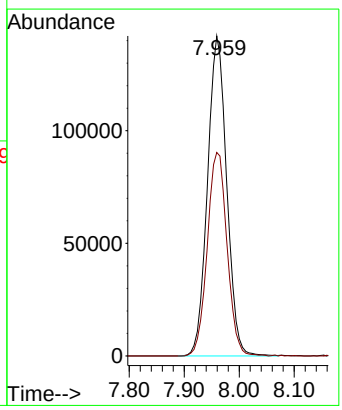
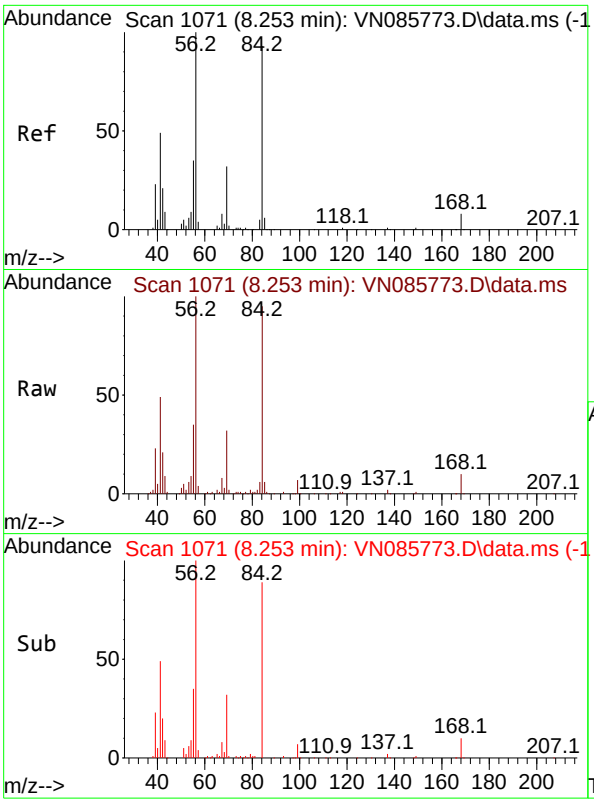


#30
Chloroform
Concen: 46.278 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 83 Resp: 344841

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3

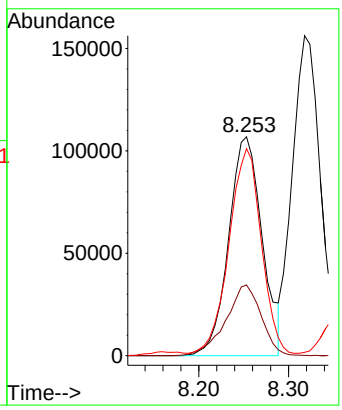




#31
Cyclohexane
Concen: 46.440 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 56 Resp: 27725

Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	93.1	74.5	111.7



Instrument :
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ClientSampleId :
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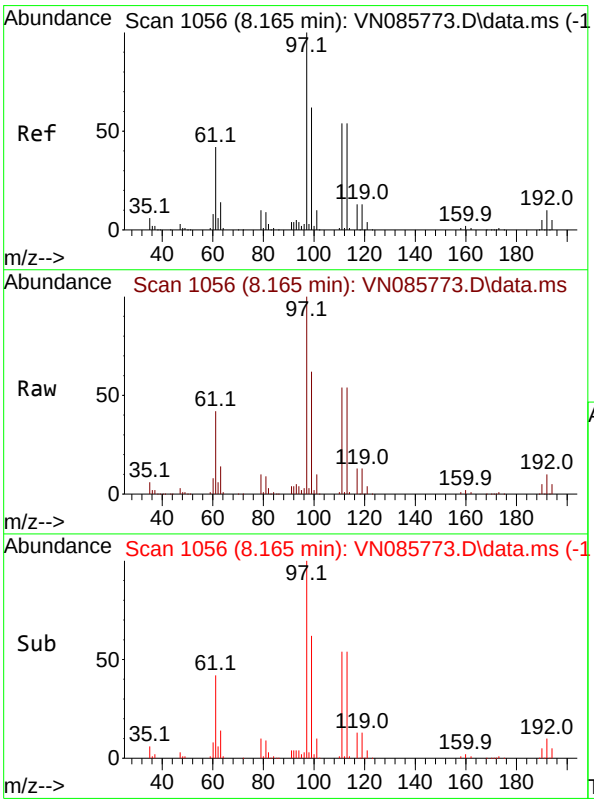
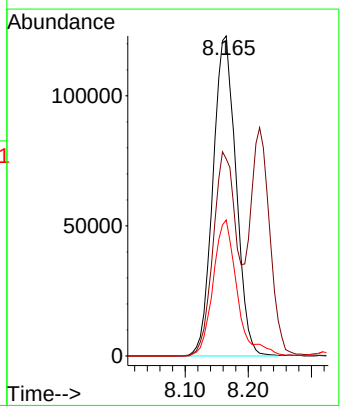
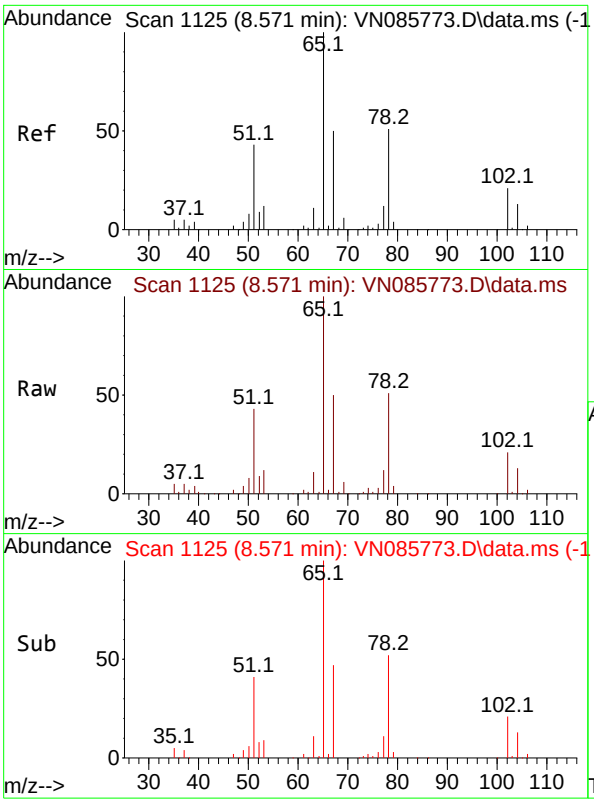


#32
1,1,1-Trichloroethane
Concen: 47.030 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 97 Resp: 311700

Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.4	75.6
61	44.4	35.5	53.3

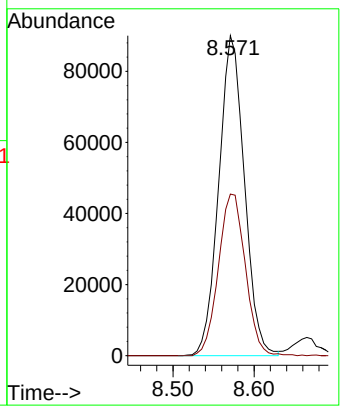




#33
1,2-Dichloroethane-d4
Concen: 47.304 ug/l
RT: 8.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 65 Resp: 19772

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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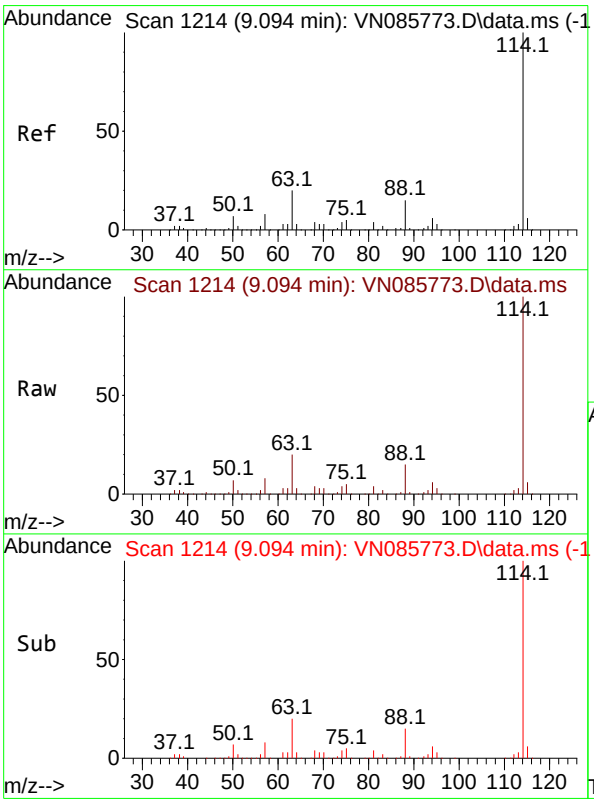
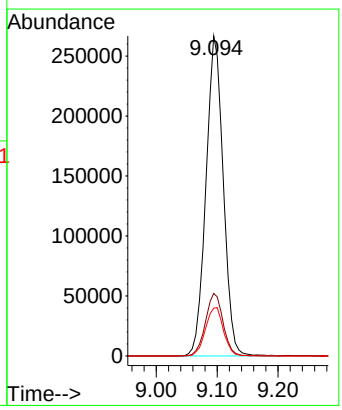
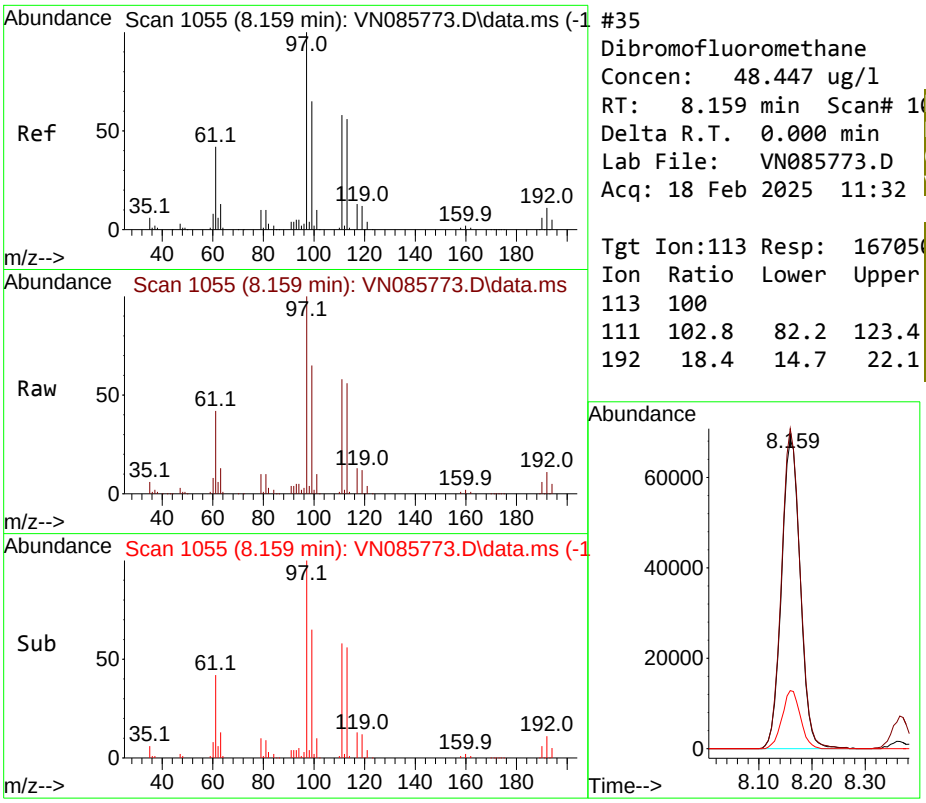


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:114 Resp: 526945

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.2
88	15.0	0.0	30.0





#35
Dibromofluoromethane
Concen: 48.447 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:113 Resp: 16705

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	18.4	14.7	22.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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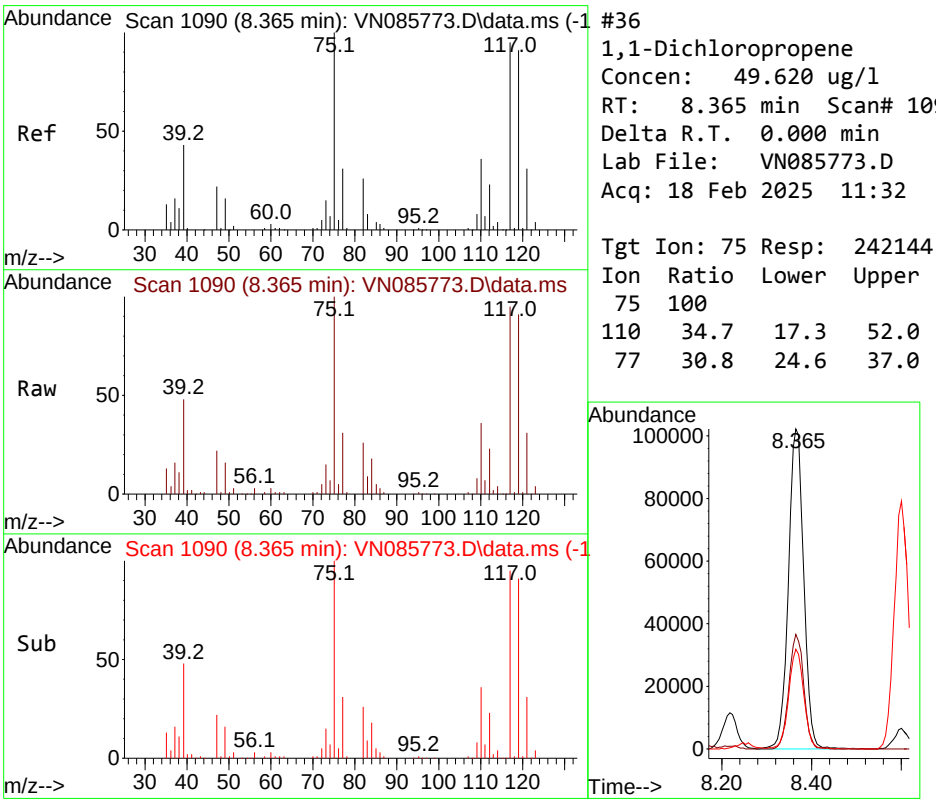
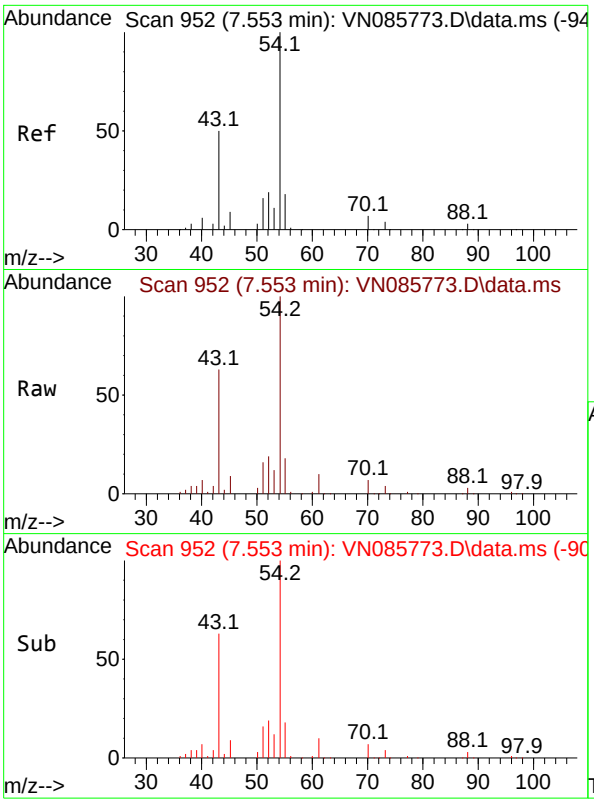


#36
1,1-Dichloropropene
Concen: 49.620 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 242144

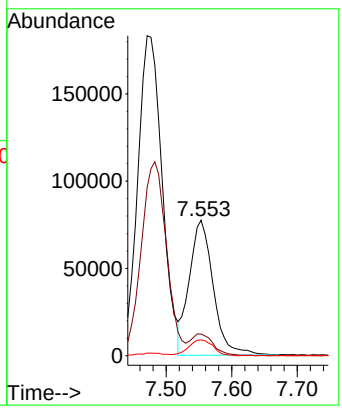
Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.3	52.0
77	30.8	24.6	37.0



#37
Ethyl Acetate
Concen: 49.206 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 19760

Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	11.9	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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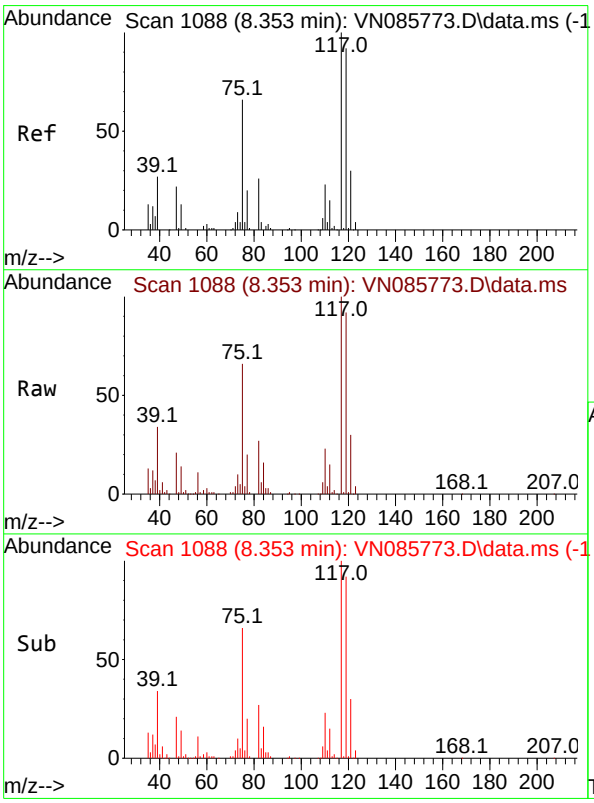
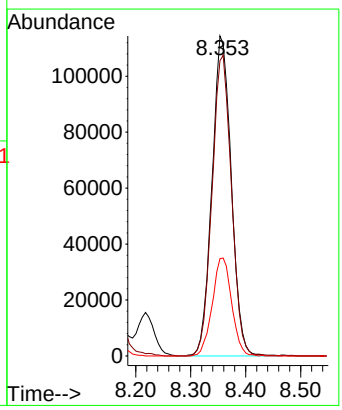
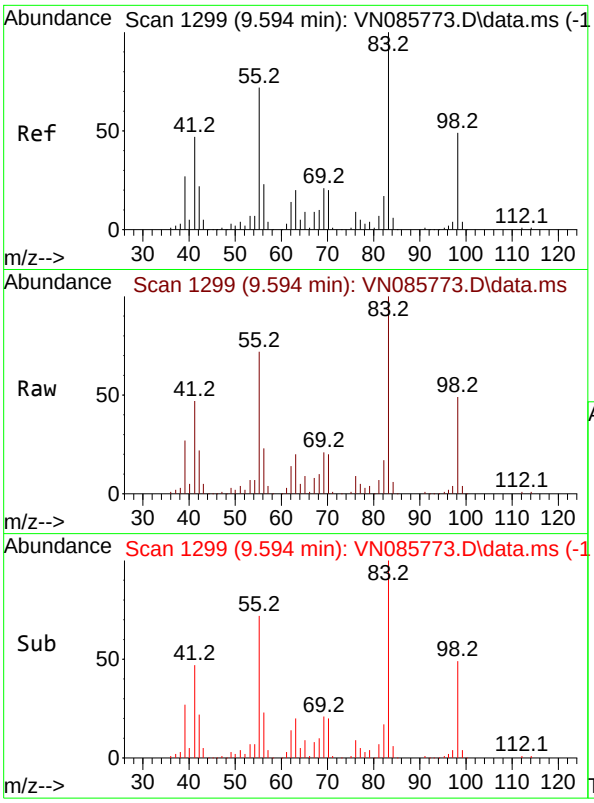


#38
Carbon Tetrachloride
Concen: 47.997 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:117 Resp: 278306

Ion	Ratio	Lower	Upper
117	100		
119	92.2	73.8	110.6
121	30.4	24.3	36.5

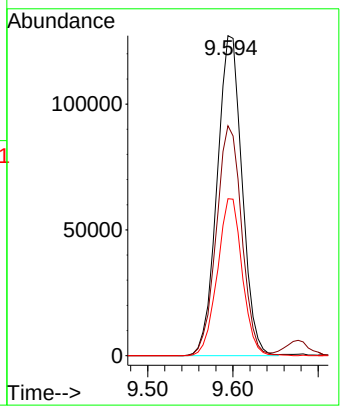




#39
Methylcyclohexane
Concen: 54.085 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 83 Resp: 25928

Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.5	86.3
98	49.0	39.2	58.8



Instrument :
MSVOA_N
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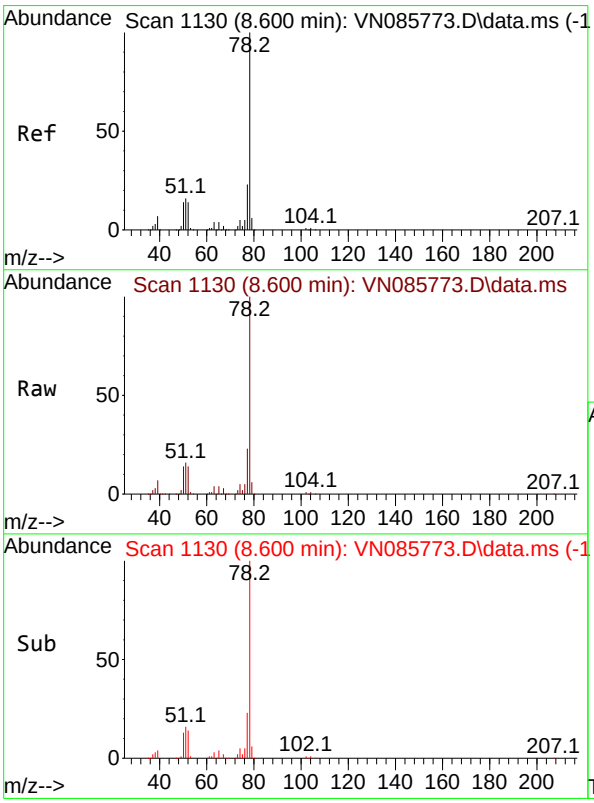
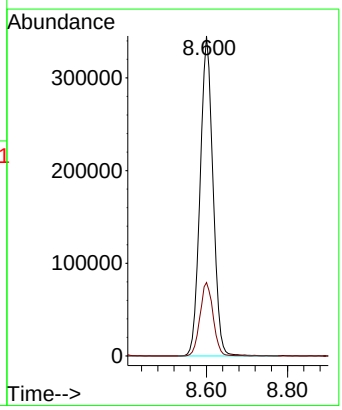
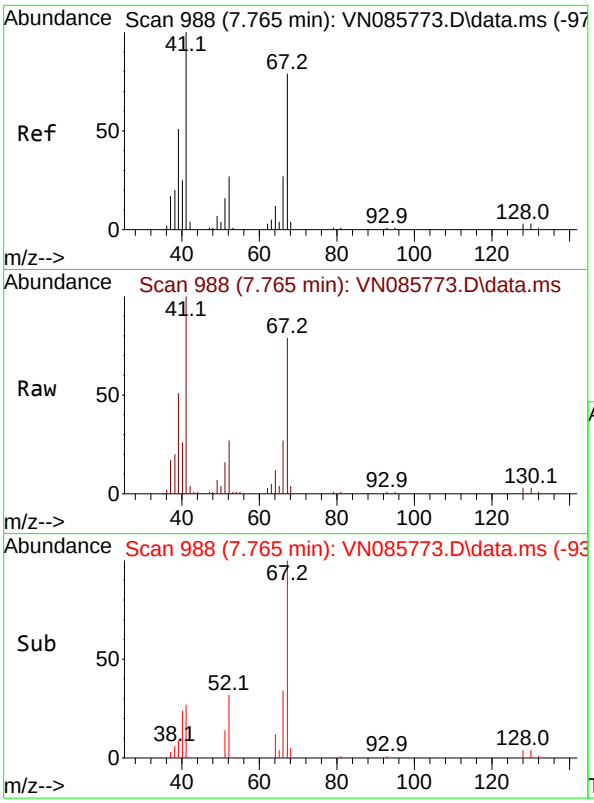


#40
Benzene
Concen: 48.551 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 78 Resp: 759363

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5

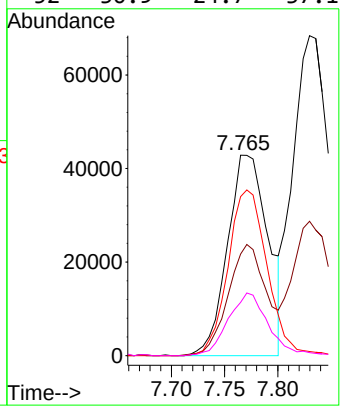




#41
Methacrylonitrile
Concen: 52.901 ug/l
RT: 7.765 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 41 Resp: 11356

Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.0	63.0
67	80.3	64.2	96.4
52	30.9	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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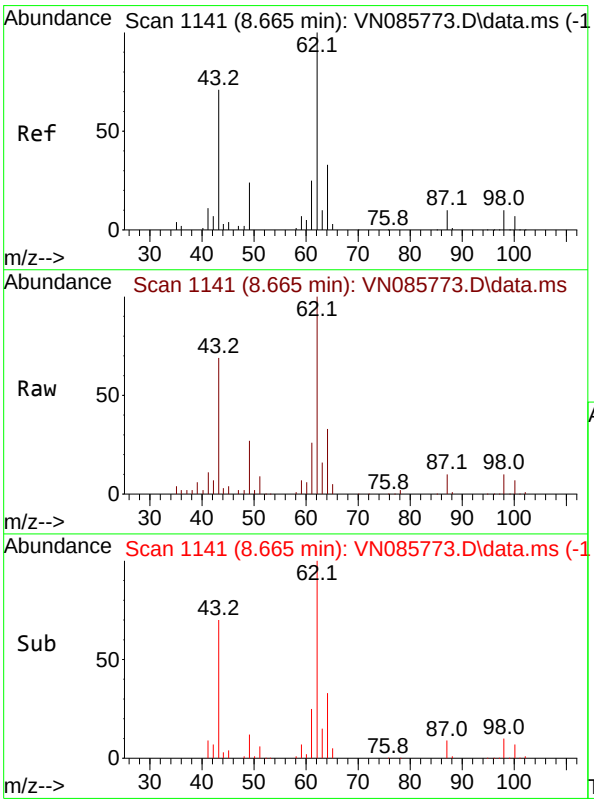
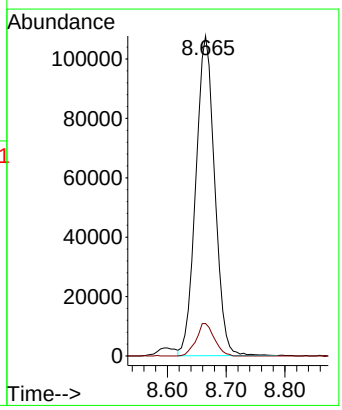
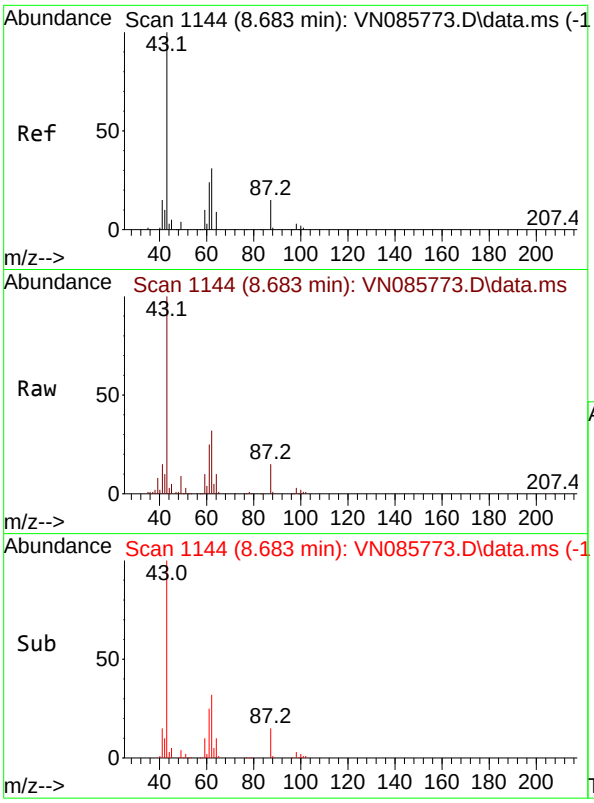


#42
1,2-Dichloroethane
Concen: 47.132 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 62 Resp: 240115

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6

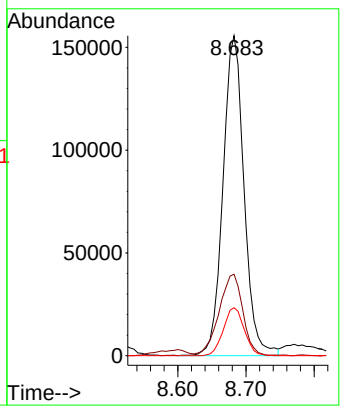




#43
Isopropyl Acetate
Concen: 47.574 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 33548

Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.6	34.0
87	14.8	11.8	17.8



Instrument :
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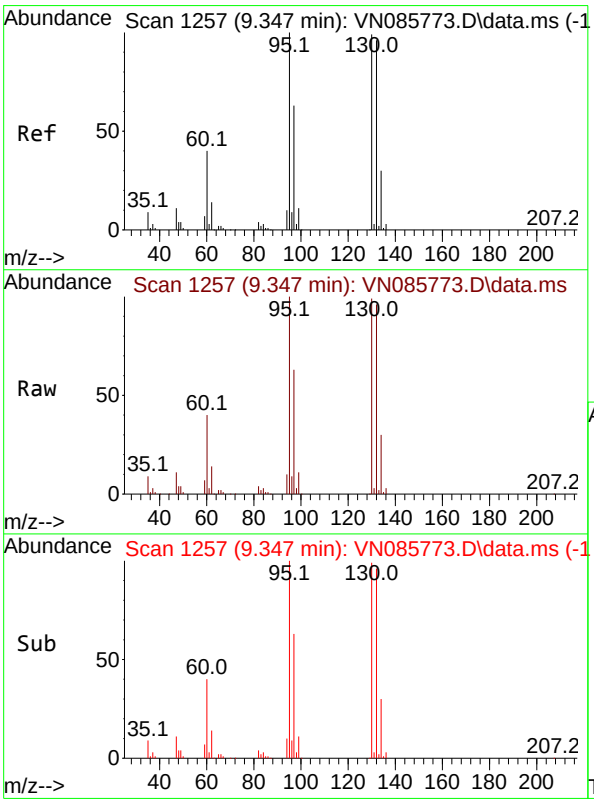
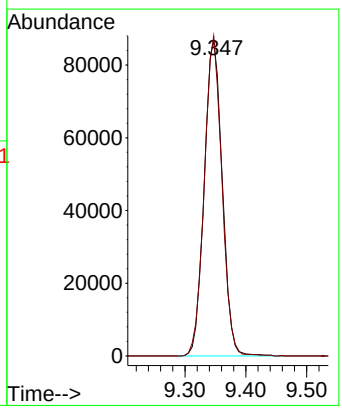
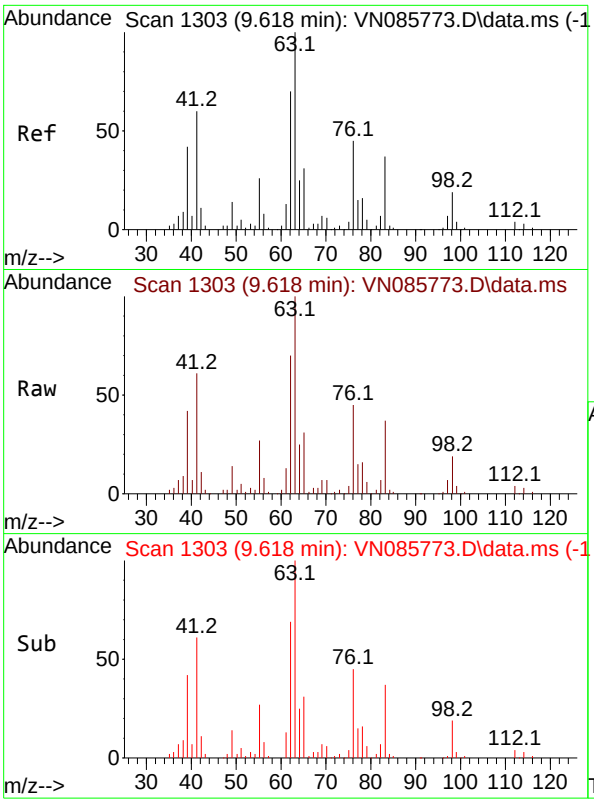


#44
Trichloroethene
Concen: 46.544 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:130 Resp: 178742

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	202.6

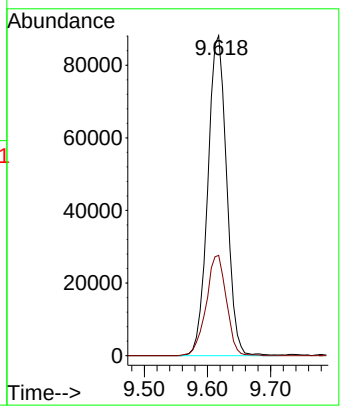




#45
1,2-Dichloropropane
Concen: 48.379 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 63 Resp: 18264

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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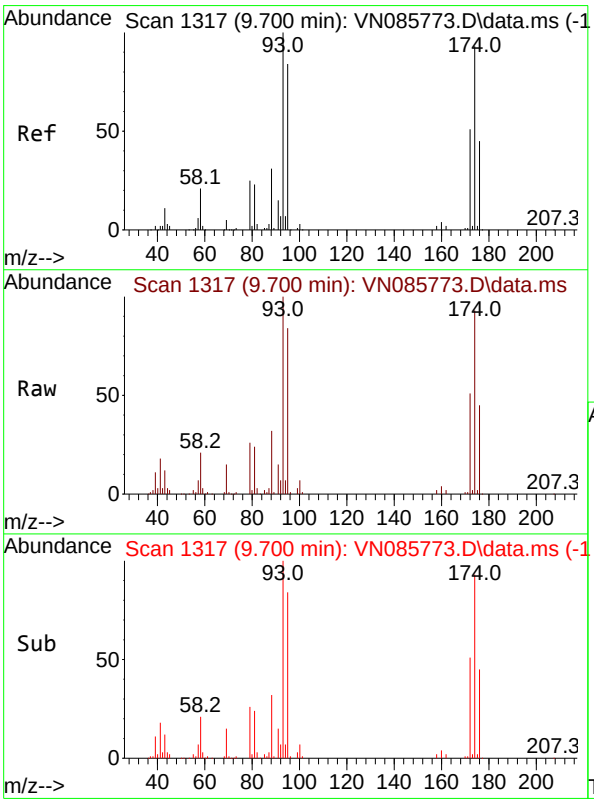
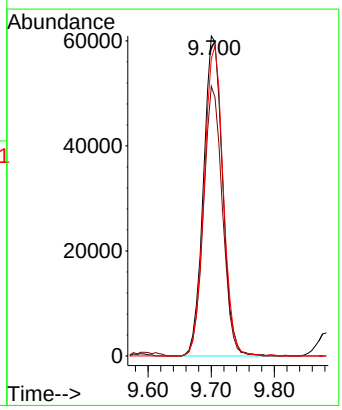
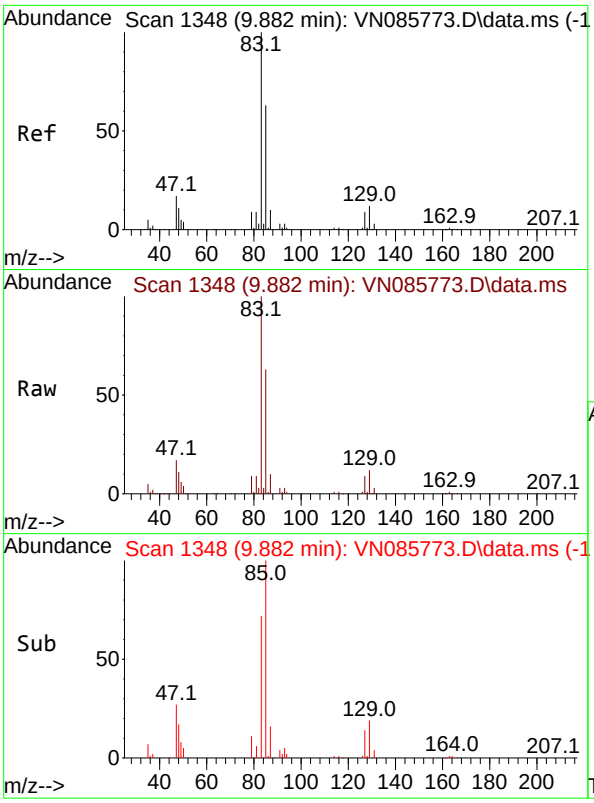


#46
Dibromomethane
Concen: 48.010 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 93 Resp: 127850

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	96.5	77.2	115.8

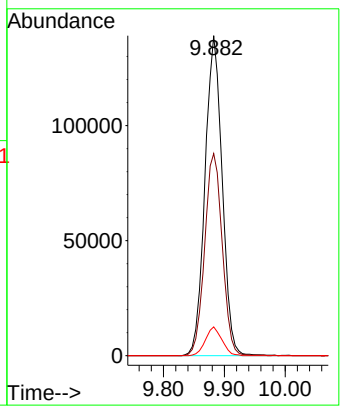




#47
Bromodichloromethane
Concen: 47.901 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 83 Resp: 27291

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	9.0	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
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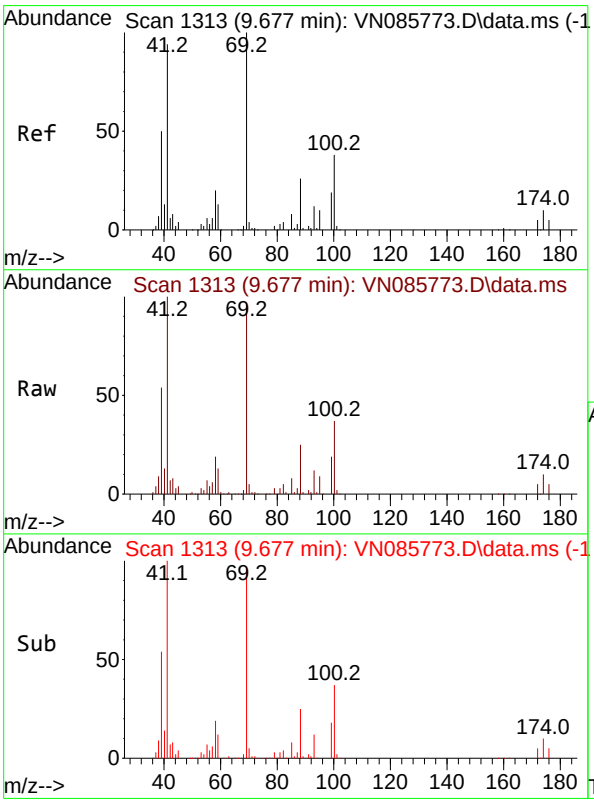
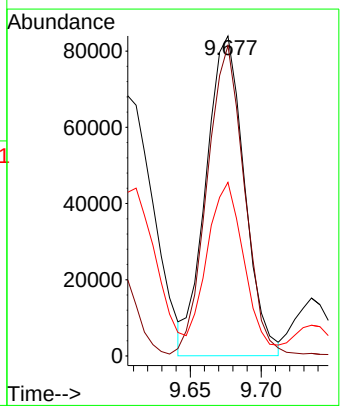
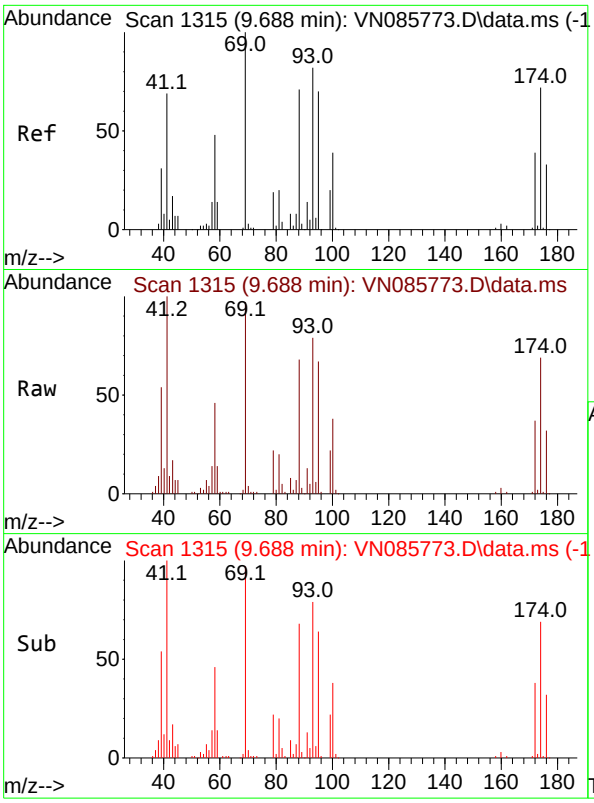


#48
Methyl methacrylate
Concen: 53.102 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 41 Resp: 158375

Ion	Ratio	Lower	Upper
41	100		
69	95.0	76.0	114.0
39	52.9	42.3	63.5

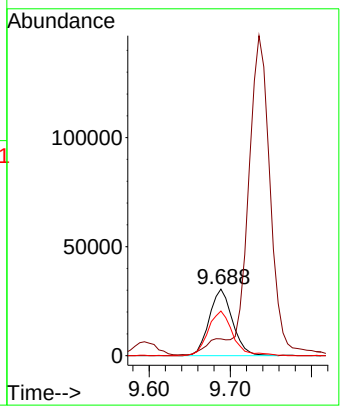




#49
1,4-Dioxane
Concen: 1071.301 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 88 Resp: 6075

Ion	Ratio	Lower	Upper
88	100		
43	23.2	18.6	27.8
58	70.9	56.7	85.1



Instrument :
MSVOA_N
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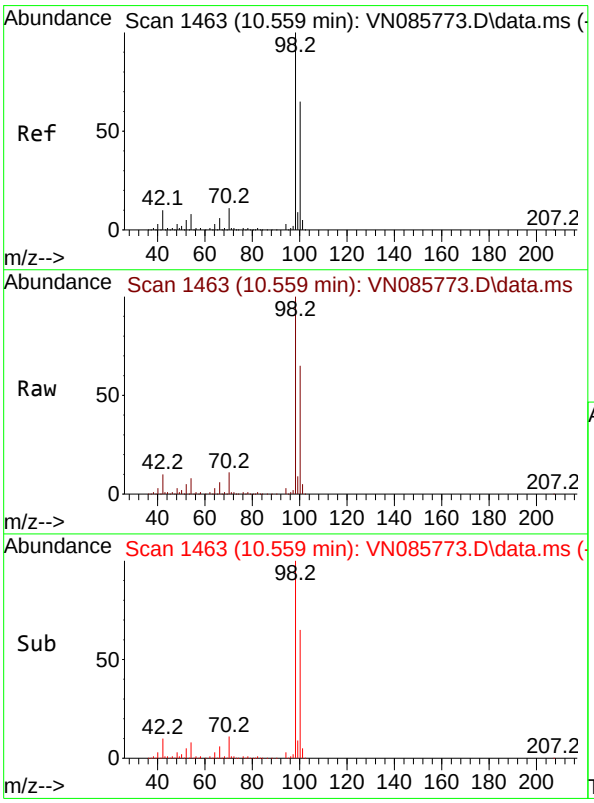
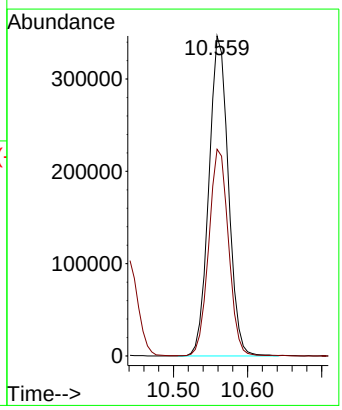
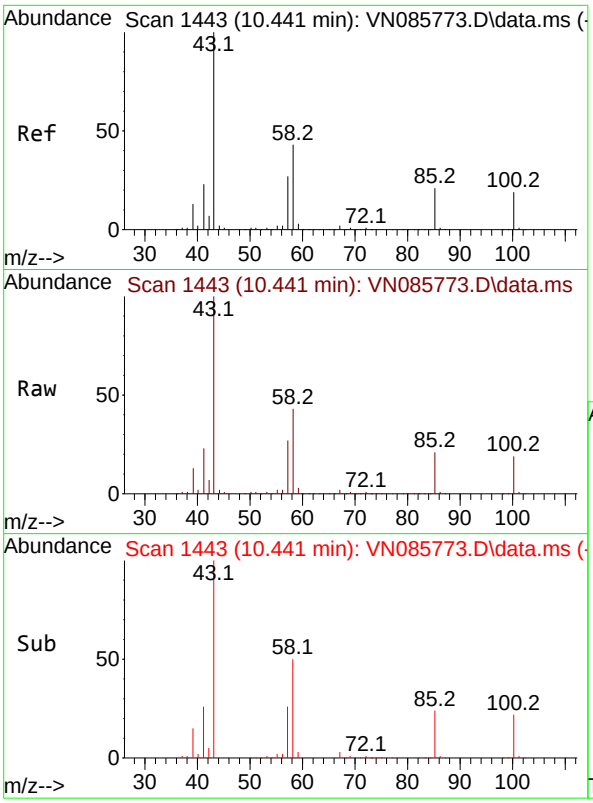


#50
Toluene-d8
Concen: 50.380 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 98 Resp: 632021

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 257.731 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 99790

Ion	Ratio	Lower	Upper
43	100		
58	43.3	34.6	52.0

Instrument :
MSVOA_N
ClientSampleId :
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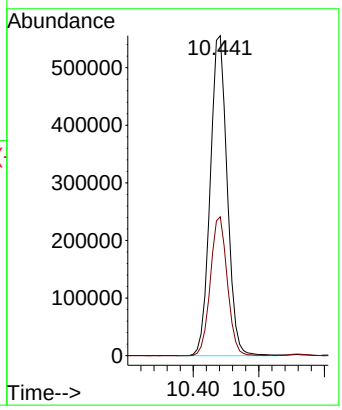
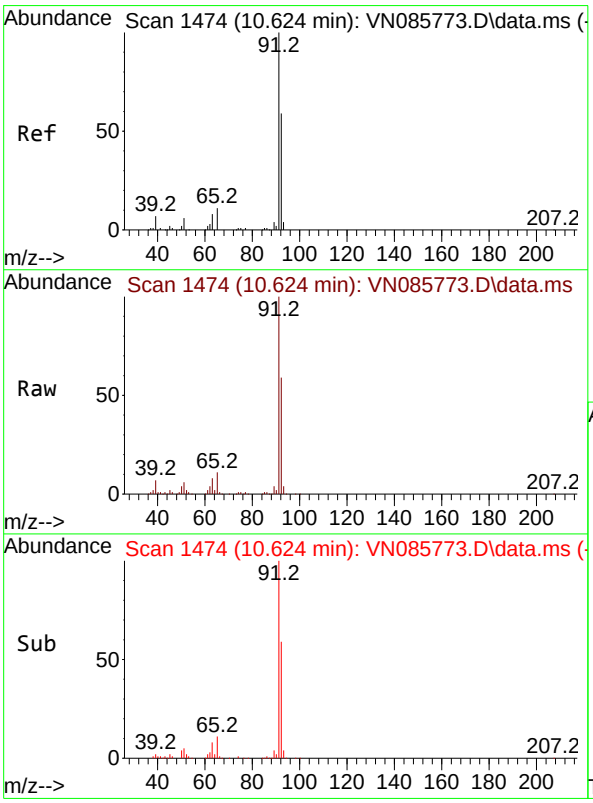
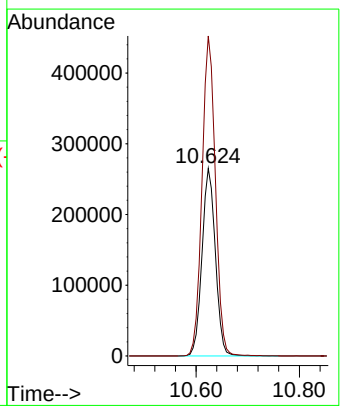


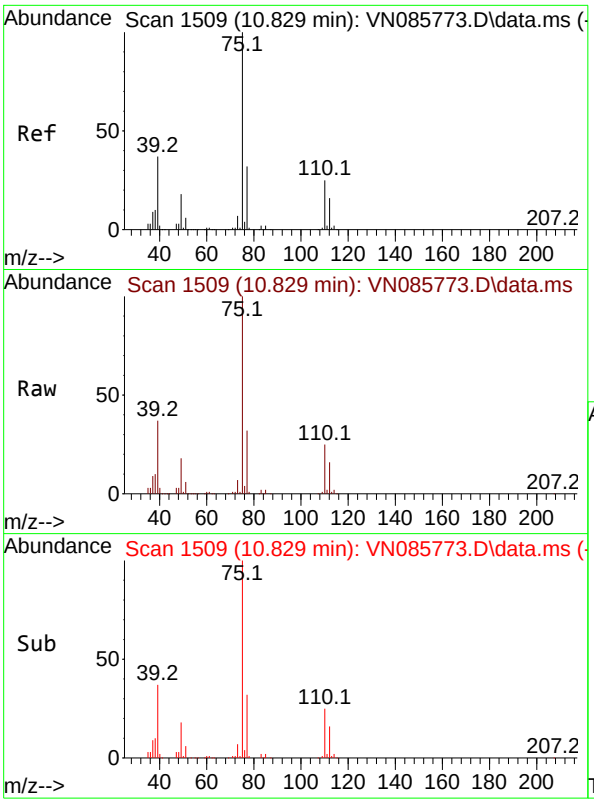


#52
Toluene
Concen: 51.816 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 92 Resp: 475069

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.9	205.3

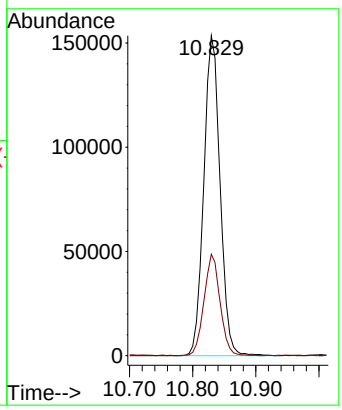




#53
t-1,3-Dichloropropene
Concen: 52.159 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 27479

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
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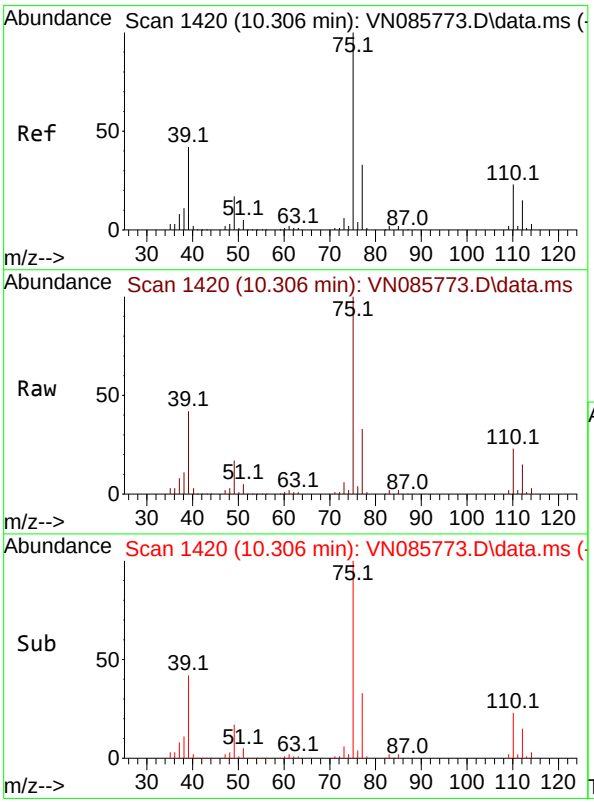
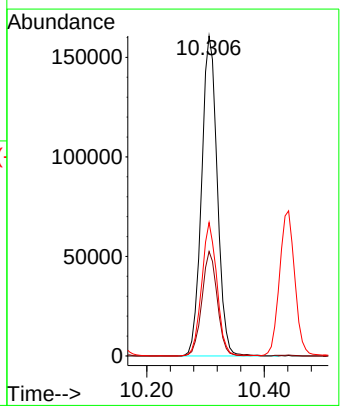
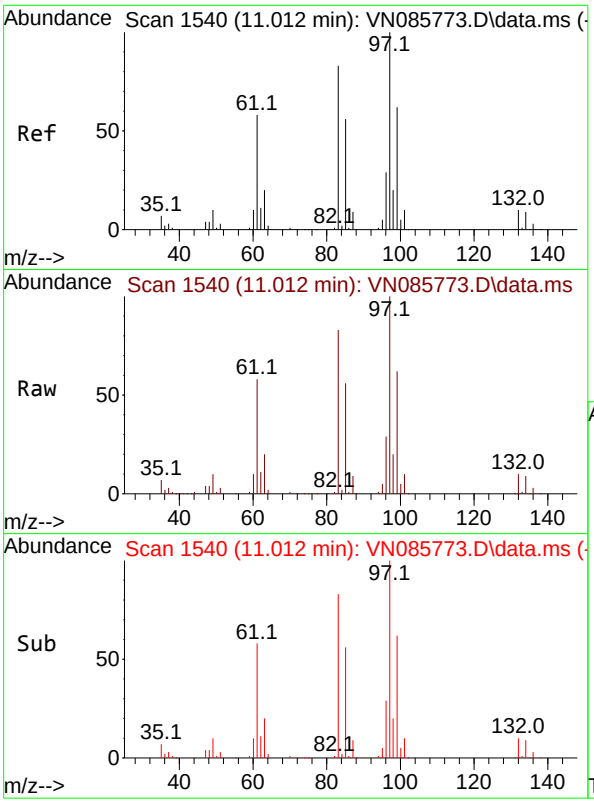


#54
cis-1,3-Dichloropropene
Concen: 51.646 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 298359

Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.1	39.1
39	41.7	33.4	50.0

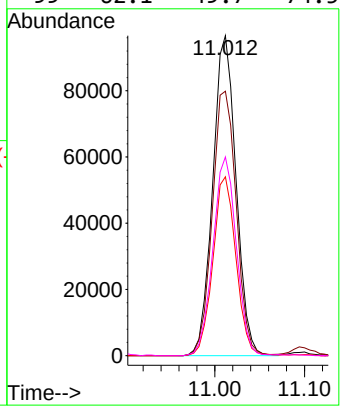




#55
1,1,2-Trichloroethane
Concen: 47.788 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 97 Resp: 17419

Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.1	99.1
85	55.9	44.7	67.1
99	62.1	49.7	74.5



Instrument :
MSVOA_N
ClientSampleId :
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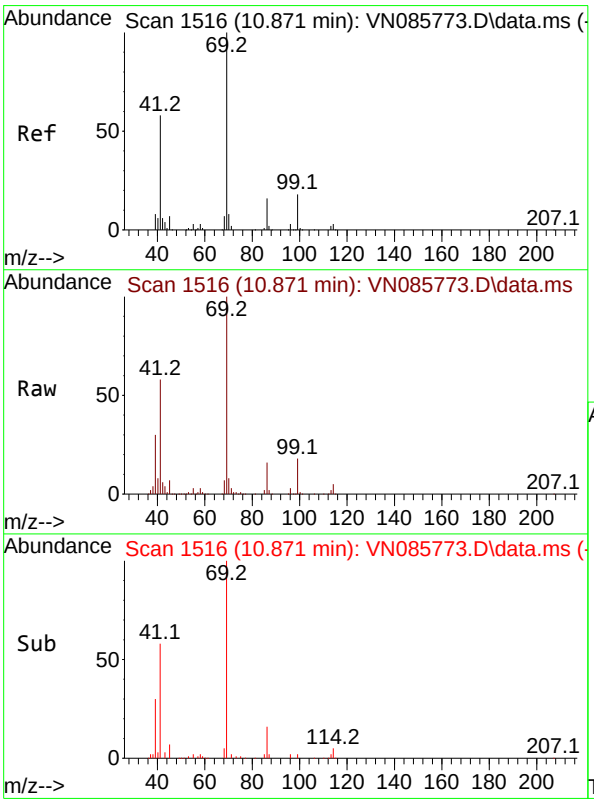
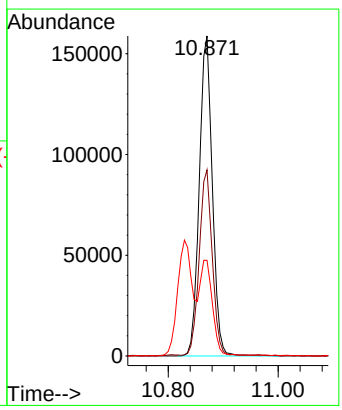
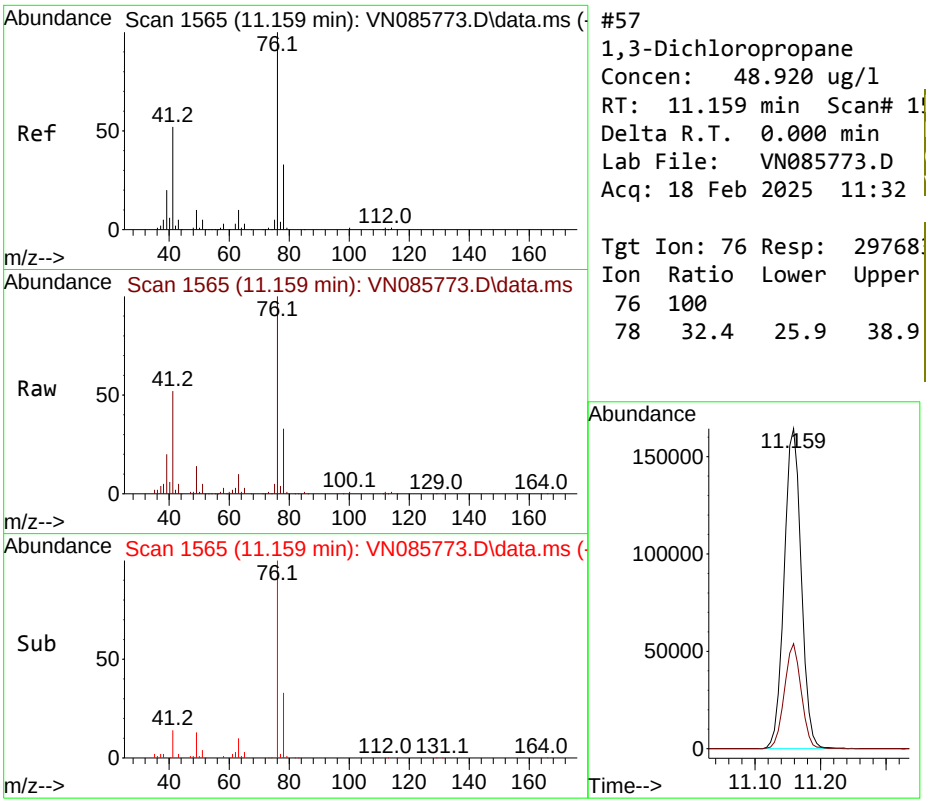


#56
Ethyl methacrylate
Concen: 49.960 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 69 Resp: 261825

Ion	Ratio	Lower	Upper
69	100		
41	57.5	46.0	69.0
39	27.5	22.0	33.0





#57
1,3-Dichloropropane
Concen: 48.920 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 76 Resp: 29768

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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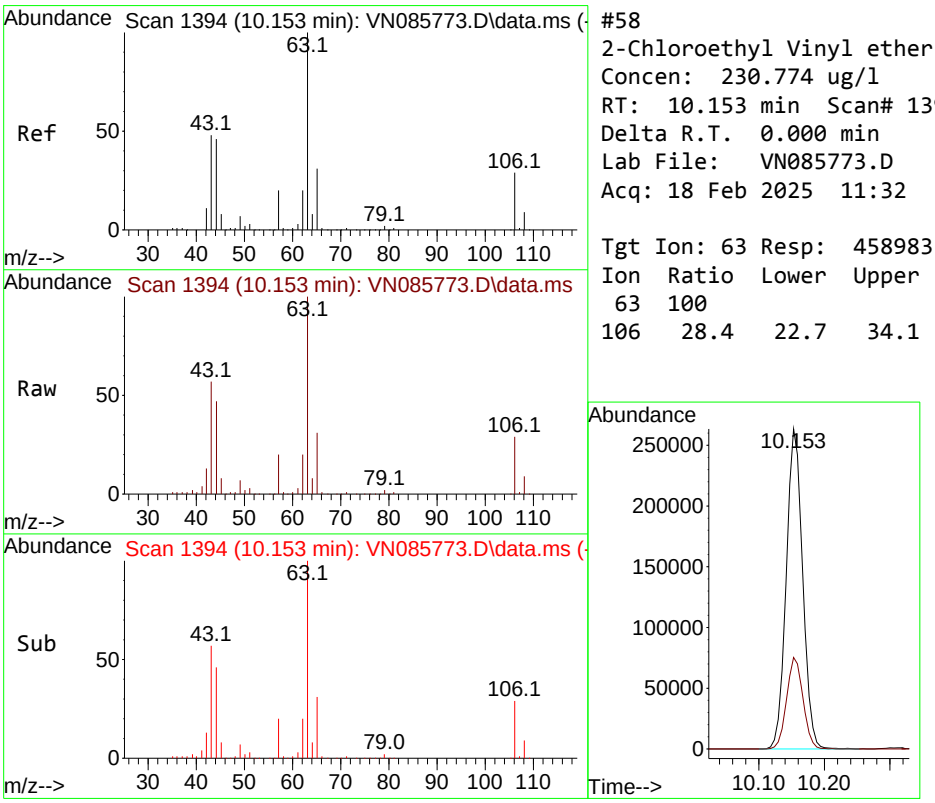
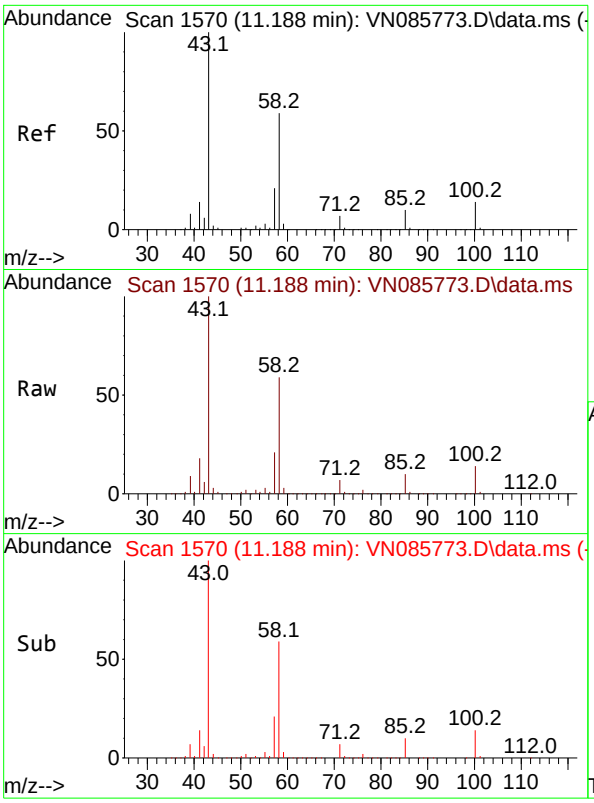


#58
2-Chloroethyl Vinyl ether
Concen: 230.774 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 63 Resp: 458983

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.7	34.1



#59
2-Hexanone
Concen: 270.257 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 71987

Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.8	89.5

Instrument :
MSVOA_N
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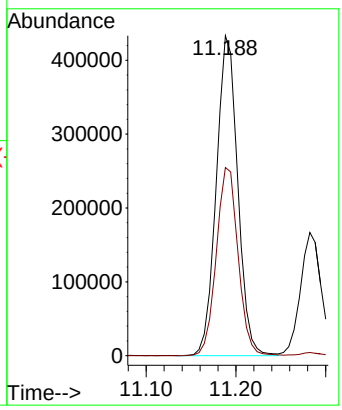
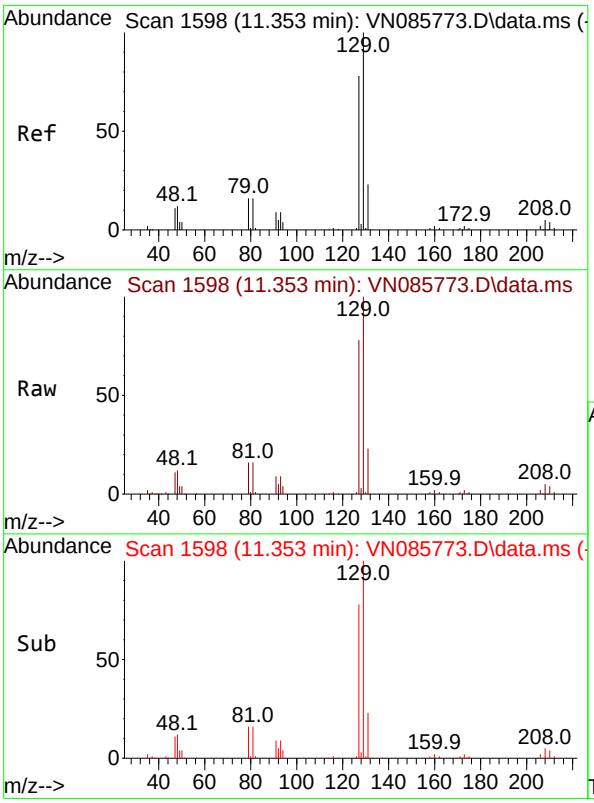
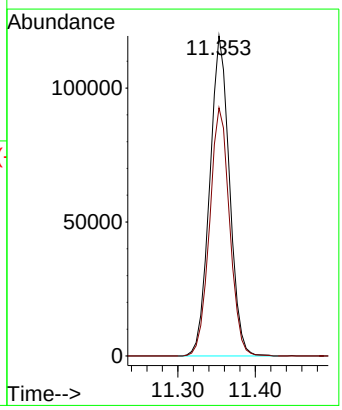


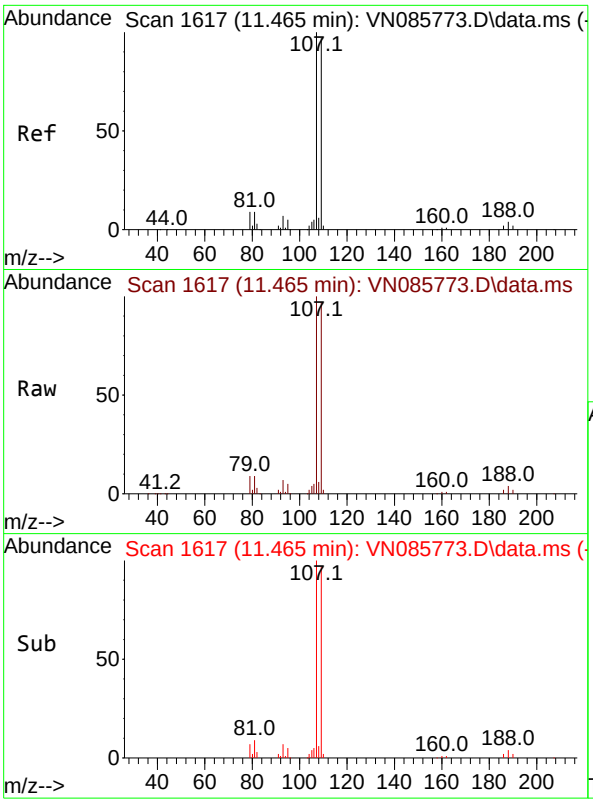


#60
Dibromochloromethane
Concen: 49.890 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:129 Resp: 211769

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5

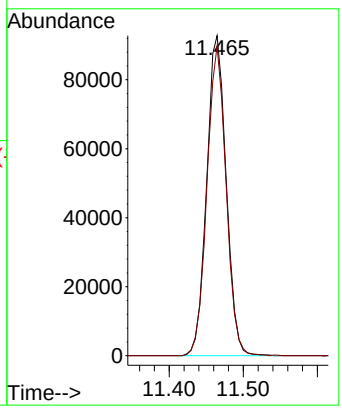




#61
1,2-Dibromoethane
Concen: 49.191 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:107 Resp: 16942

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0



Instrument :
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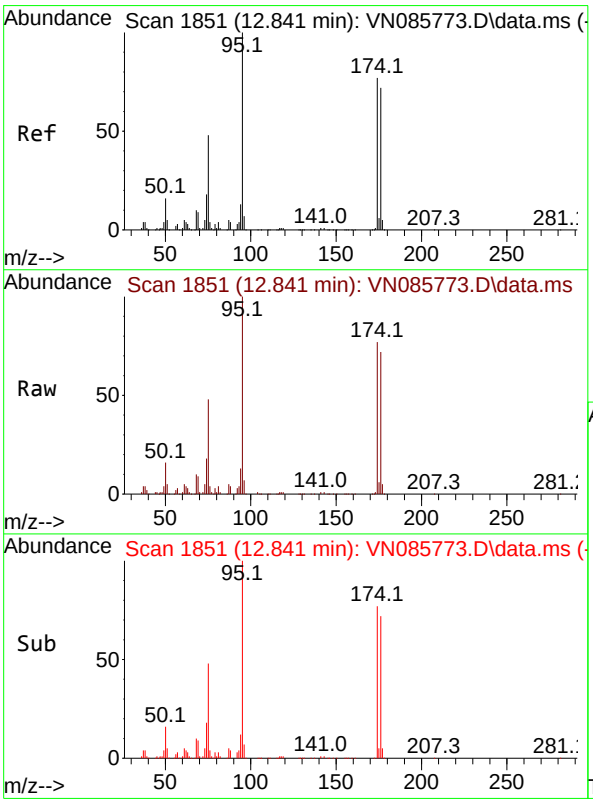
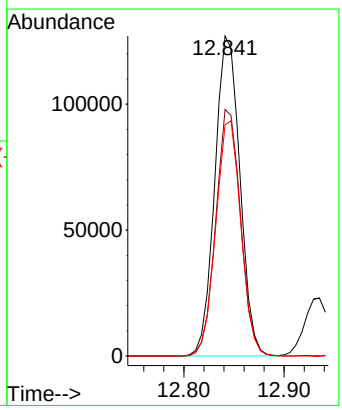
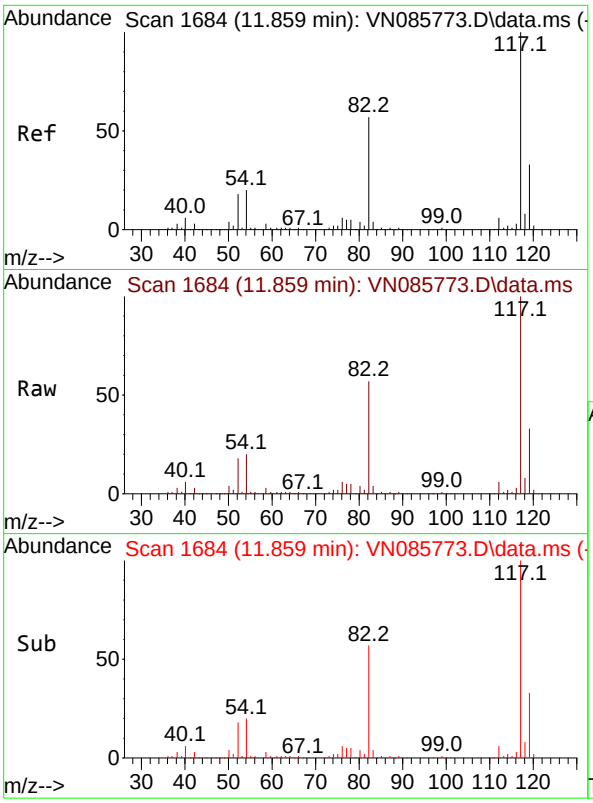


#62
4-Bromofluorobenzene
Concen: 53.393 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 95 Resp: 220691

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	152.4
176	73.3	0.0	146.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:117 Resp: 46165

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	32.7	26.2	39.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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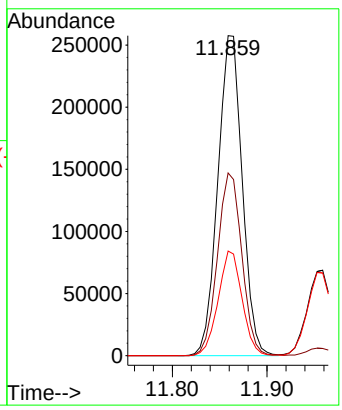
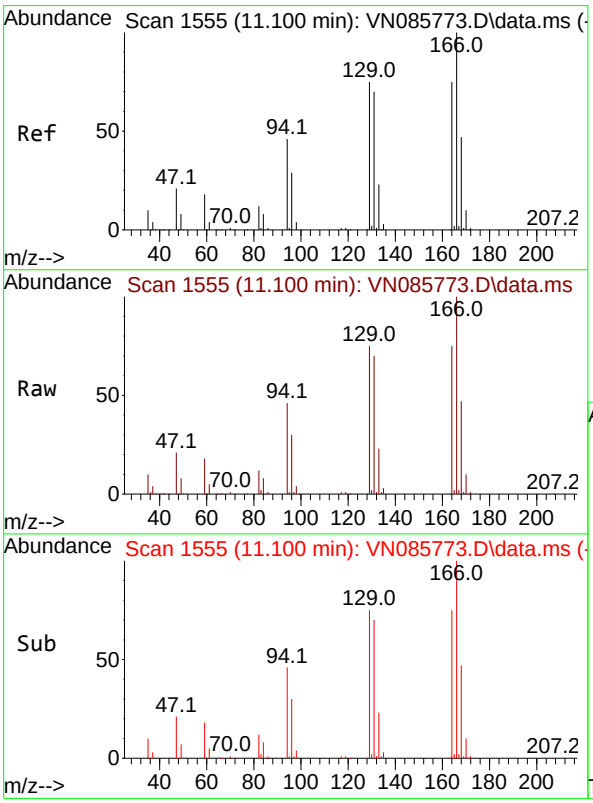
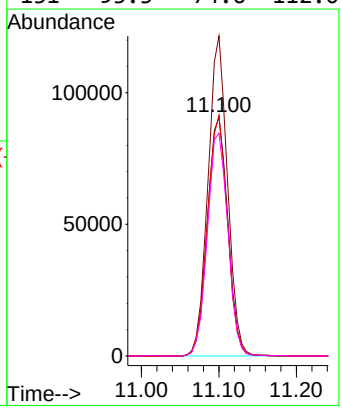


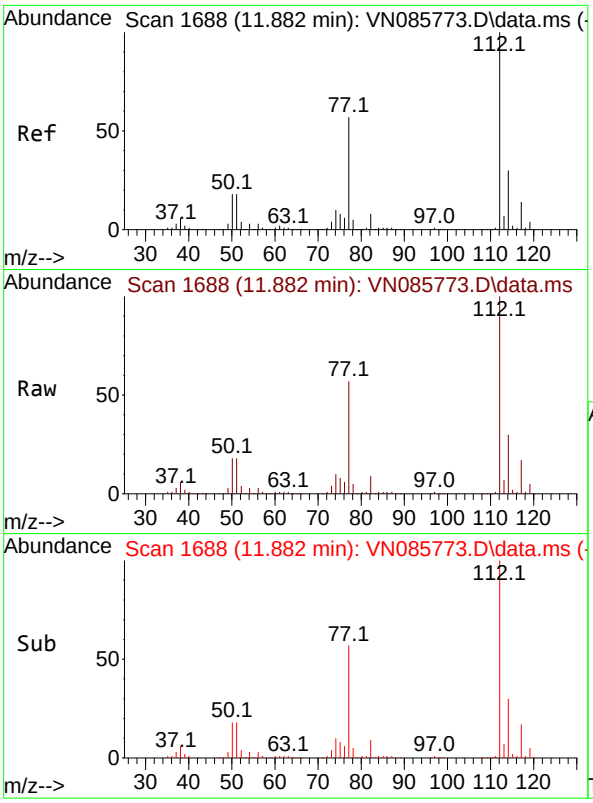


#64
Tetrachloroethene
Concen: 46.613 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:164 Resp: 166710

Ion	Ratio	Lower	Upper
164	100		
166	134.0	107.2	160.8
129	100.9	80.7	121.1
131	93.3	74.6	112.0

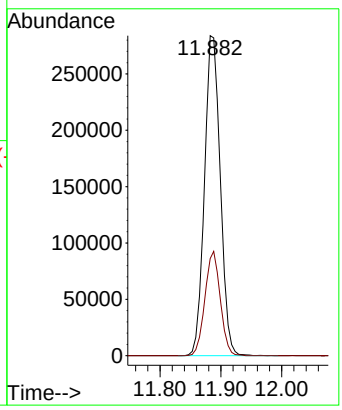




#65
Chlorobenzene
Concen: 48.454 ug/l
RT: 11.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:112 Resp: 51243

Ion	Ratio	Lower	Upper
112	100		
114	30.4	24.3	36.5



Instrument :
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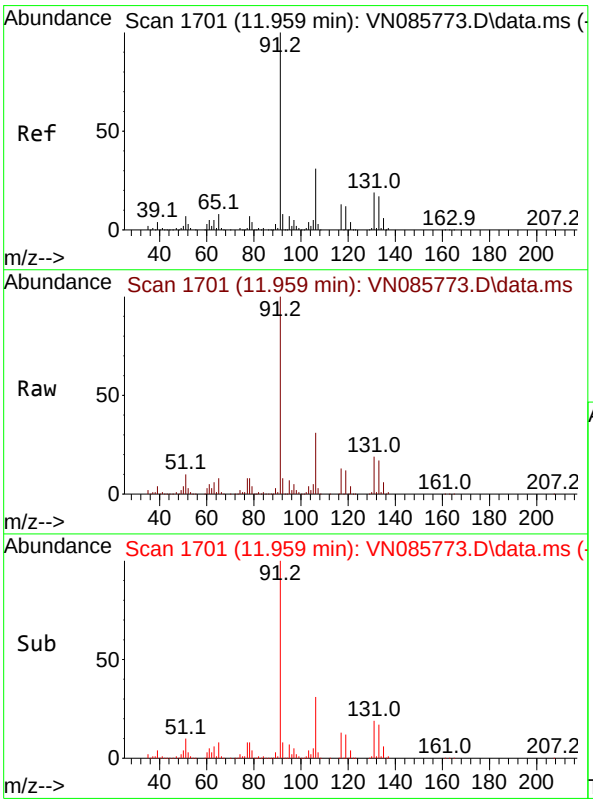
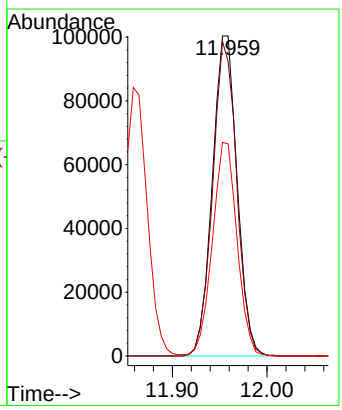
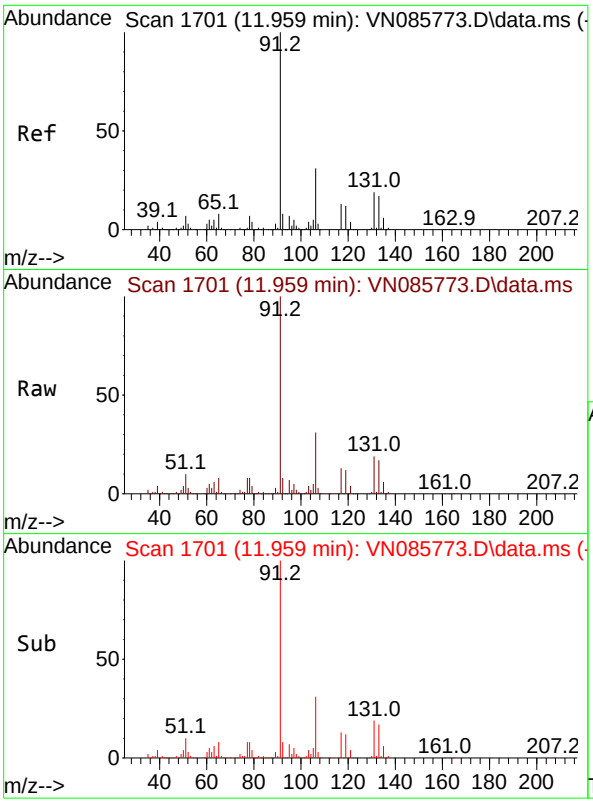


#66
1,1,1,2-Tetrachloroethane
Concen: 48.020 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:131 Resp: 182537

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	66.5	33.3	99.8





#67
Ethyl Benzene
Concen: 53.062 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 91 Resp: 87904

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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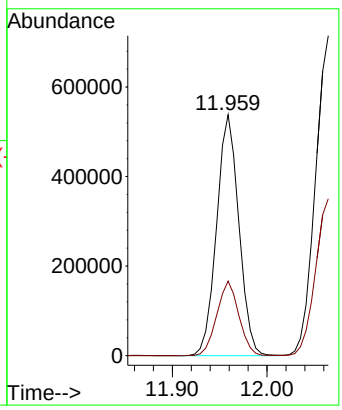
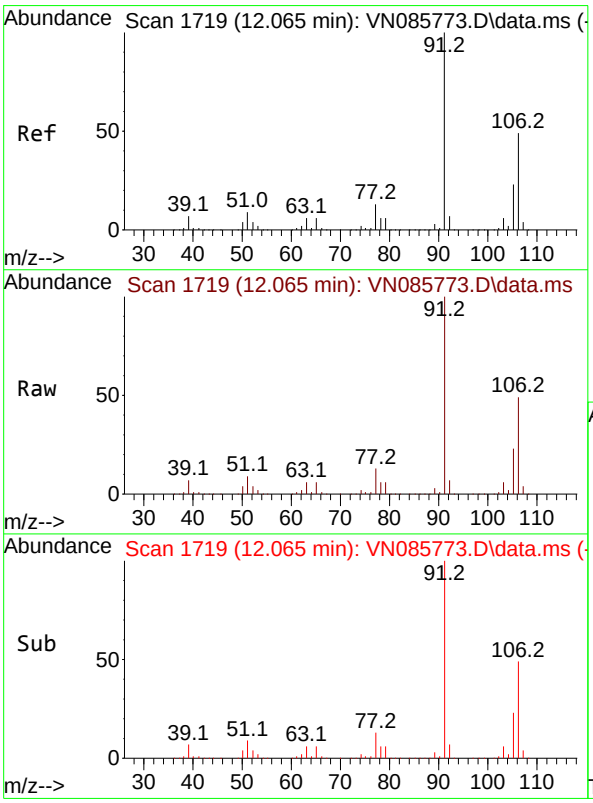
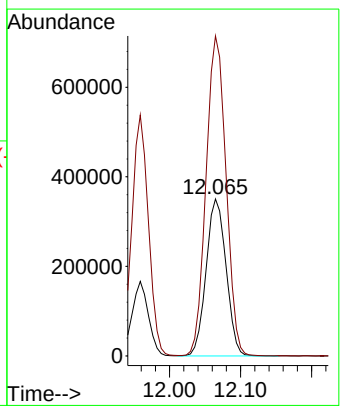


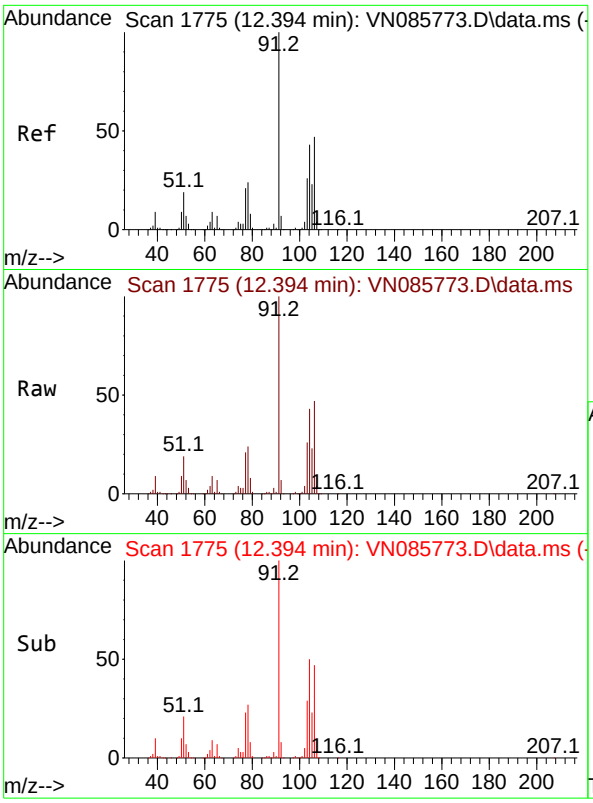


#68
m/p-Xylenes
Concen: 108.757 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:106 Resp: 684377

Ion	Ratio	Lower	Upper
106	100		
91	204.1	163.3	244.9

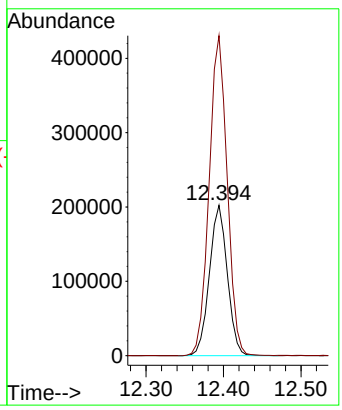




#69
o-Xylene
Concen: 54.342 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:106 Resp: 32494

Ion	Ratio	Lower	Upper
106	100		
91	214.3	107.1	321.4



Instrument :
MSVOA_N
ClientSampleId :
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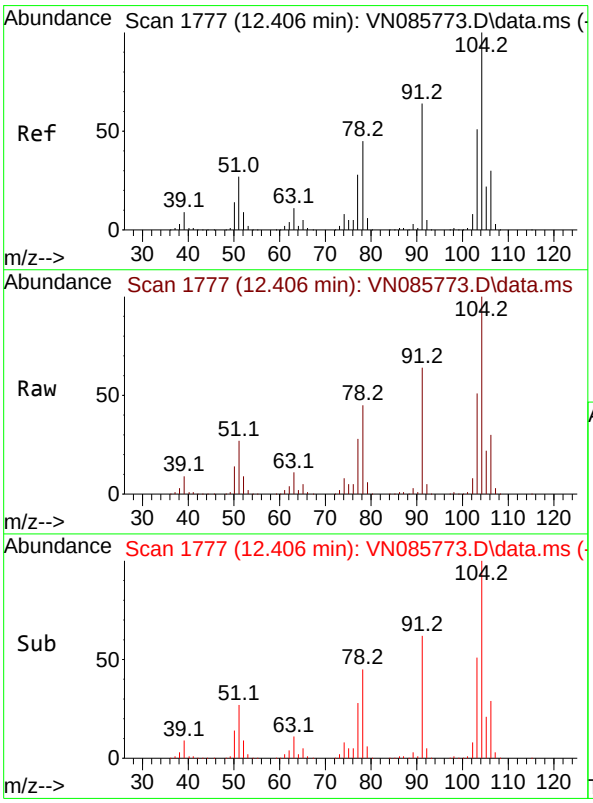
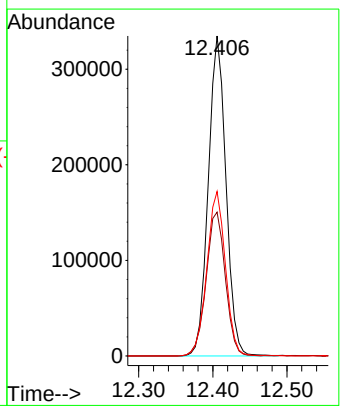
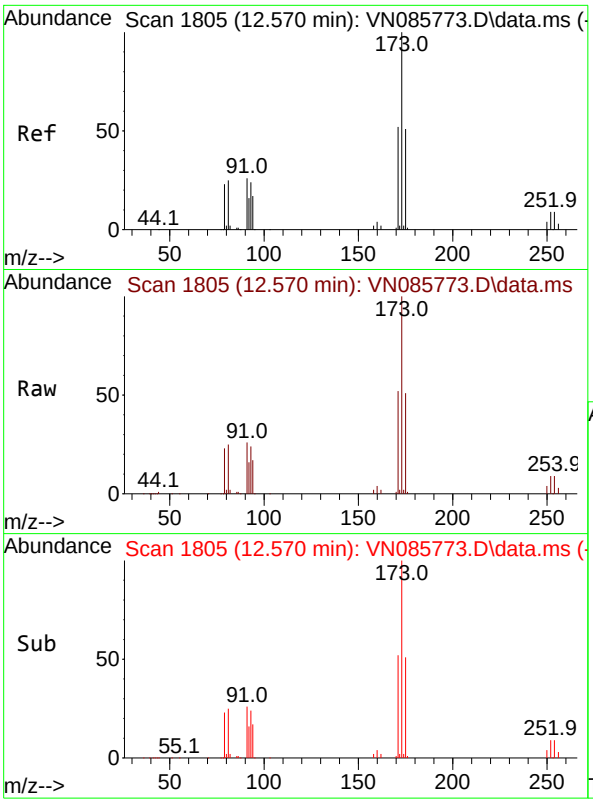


#70
Styrene
Concen: 49.909 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:104 Resp: 555269

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.6
103	54.1	43.3	64.9

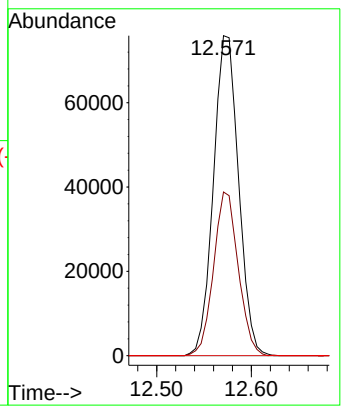




#71
Bromoform
Concen: 49.528 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:173 Resp: 13989

Ion	Ratio	Lower	Upper
173	100		
175	50.3	25.1	75.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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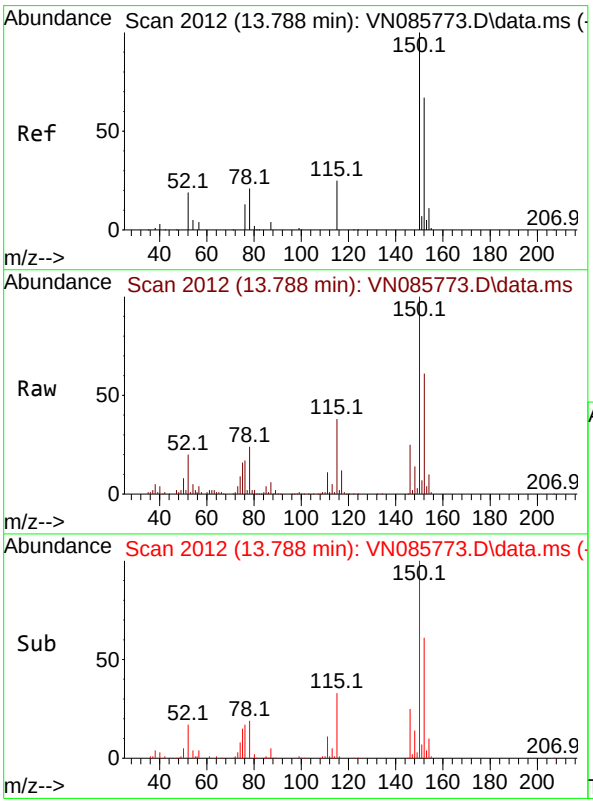
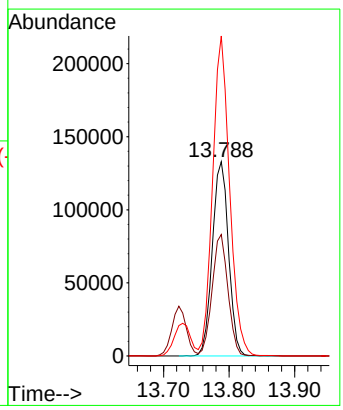
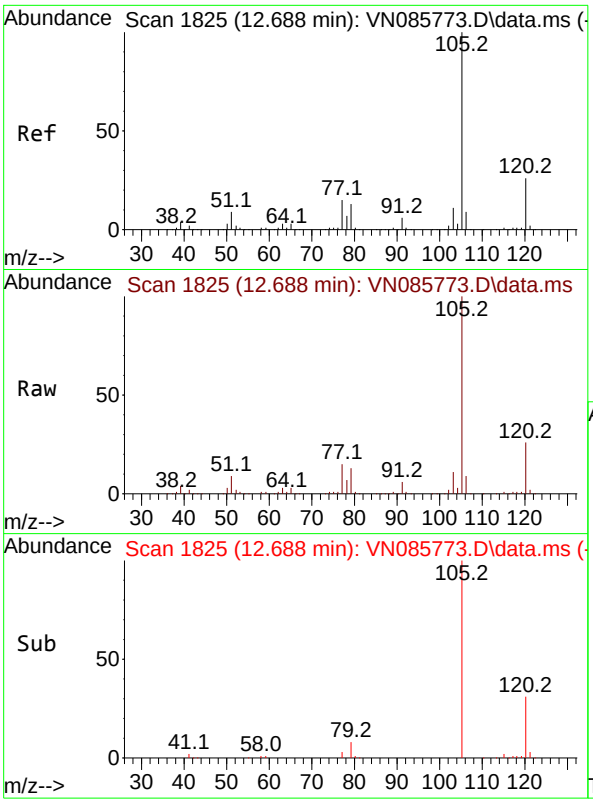


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:152 Resp: 227499

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.4	91.3
150	172.7	0.0	345.4





#73
Isopropylbenzene
Concen: 52.482 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:105 Resp: 81798

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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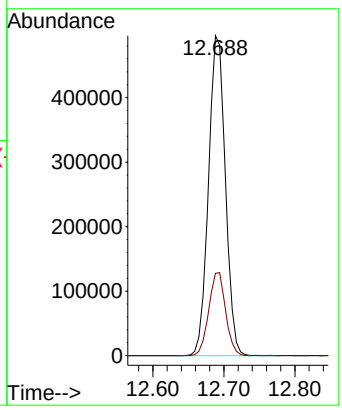
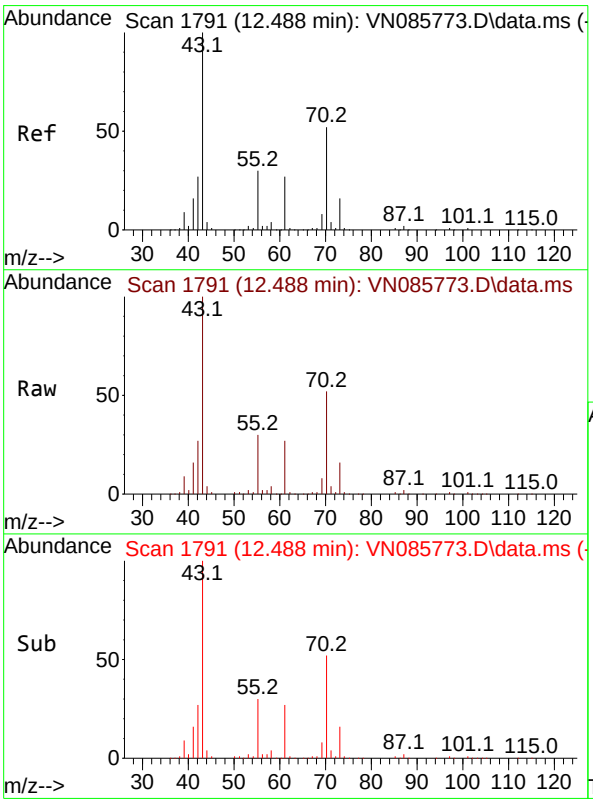
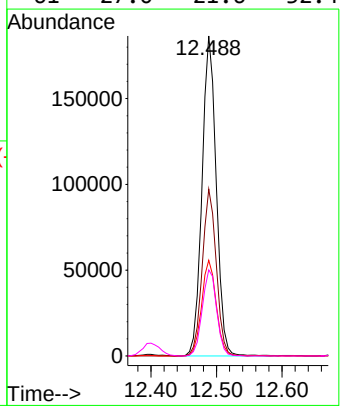


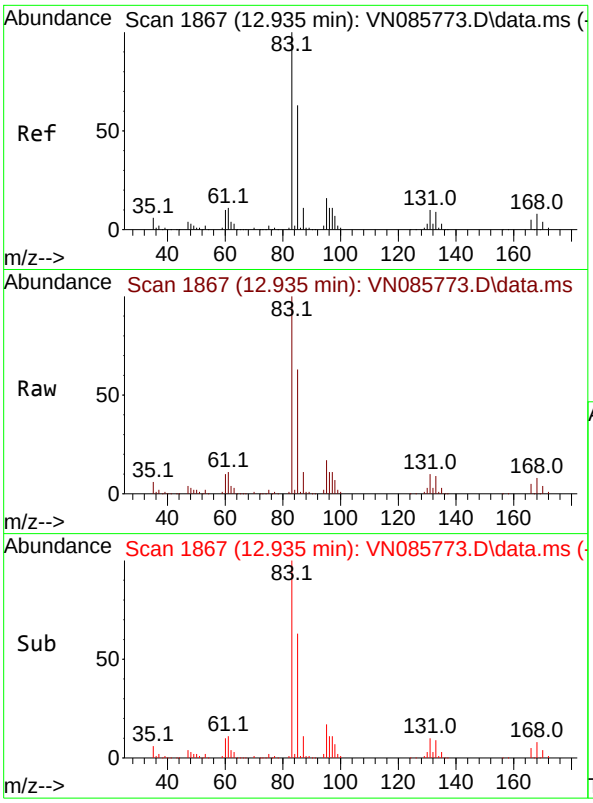


#74
N-amyl acetate
Concen: 51.360 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 282288

Ion	Ratio	Lower	Upper
43	100		
70	51.2	41.0	61.4
55	30.7	24.6	36.8
61	27.0	21.6	32.4





#75
1,1,2,2-Tetrachloroethane
Concen: 44.649 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 83 Resp: 23946

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.4	32.2	96.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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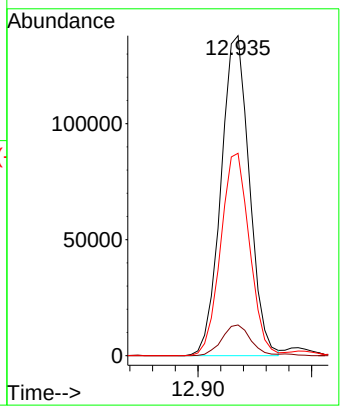
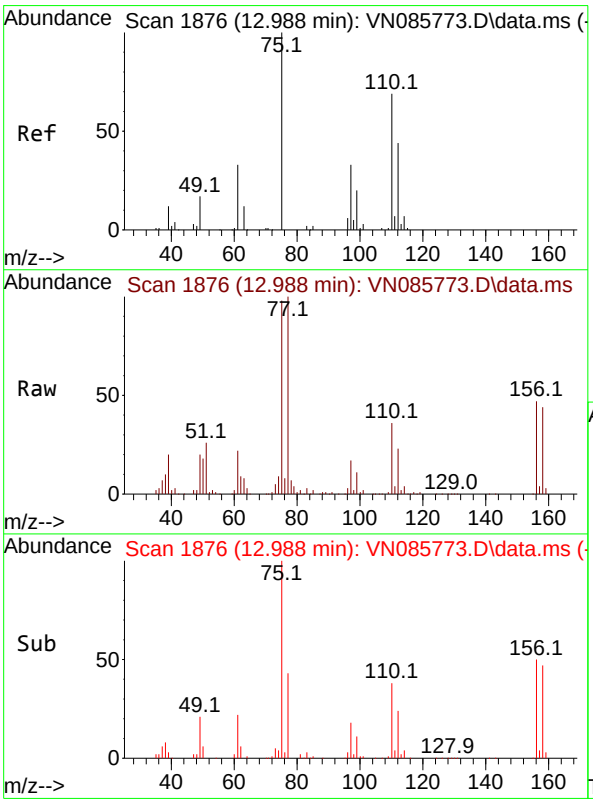
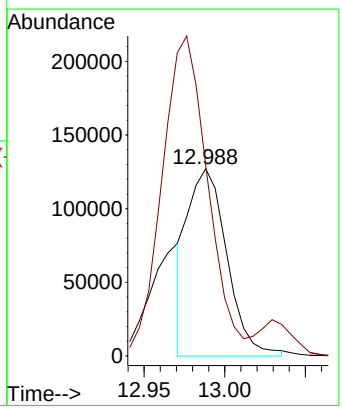


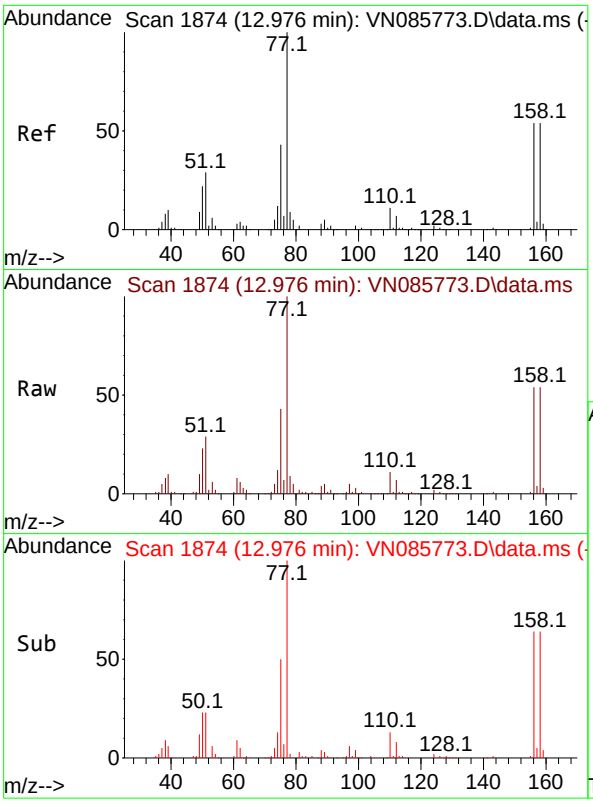


#76
1,2,3-Trichloropropane
Concen: 43.108 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 215451

Ion	Ratio	Lower	Upper
75	100		
77	198.9	100.0	300.0

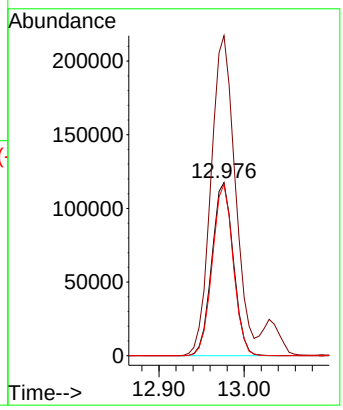




#77
Bromobenzene
Concen: 48.863 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:156 Resp: 20575

Ion	Ratio	Lower	Upper
156	100		
77	208.2	104.1	312.3
158	96.3	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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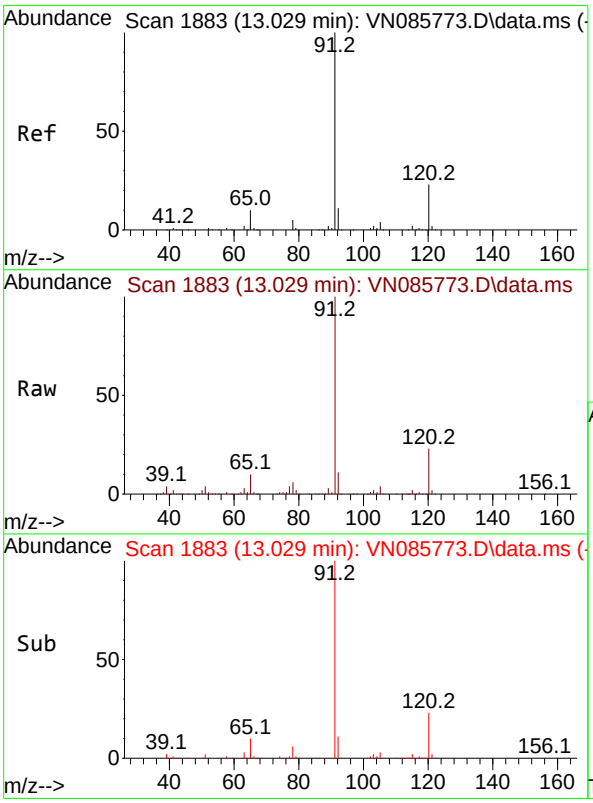
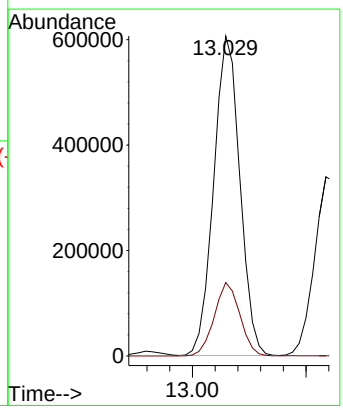
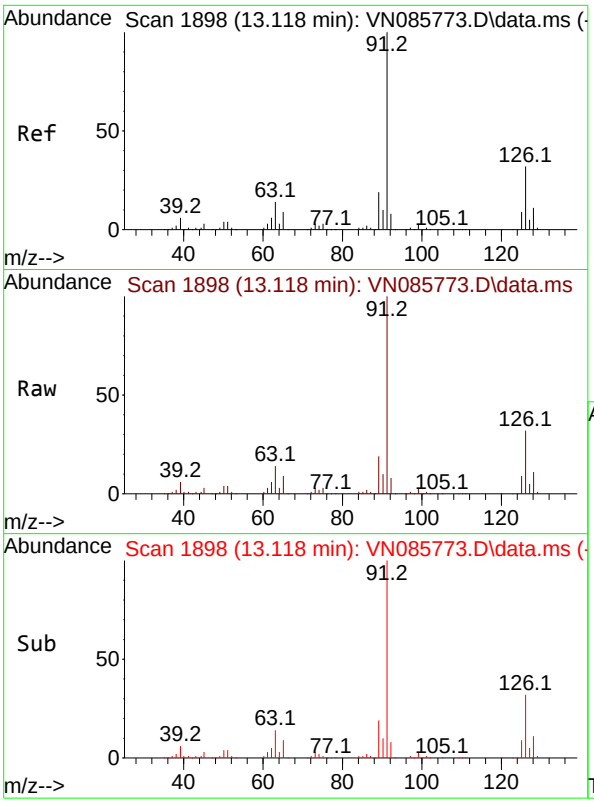


#78
n-propylbenzene
Concen: 54.241 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 91 Resp: 968182

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8

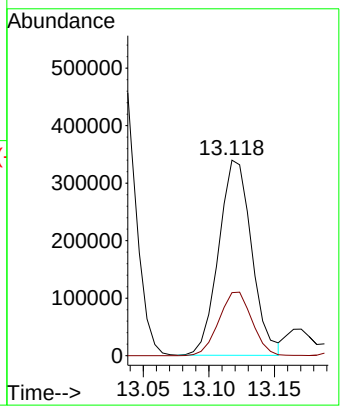




#79
2-Chlorotoluene
Concen: 49.895 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 91 Resp: 59504

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1



Instrument :
MSVOA_N
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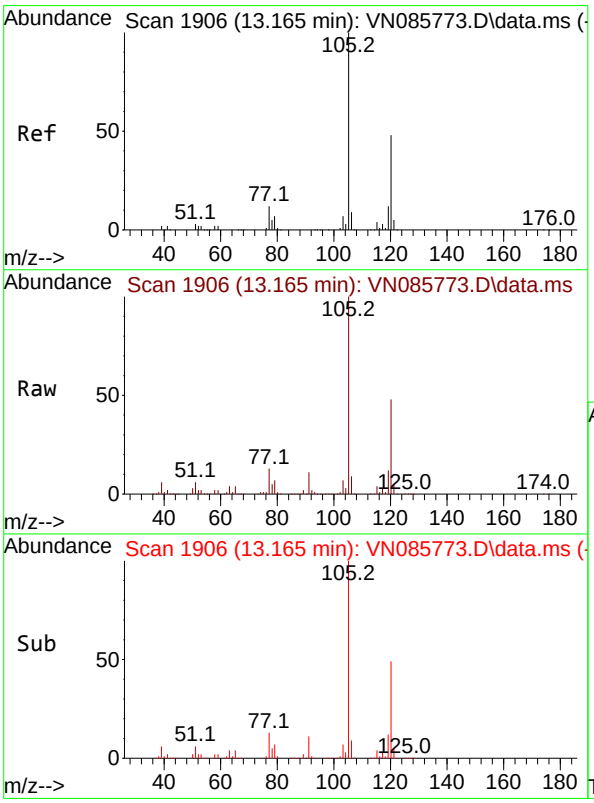
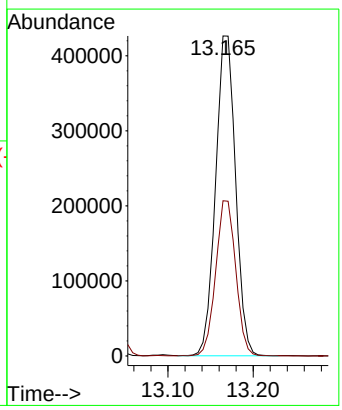
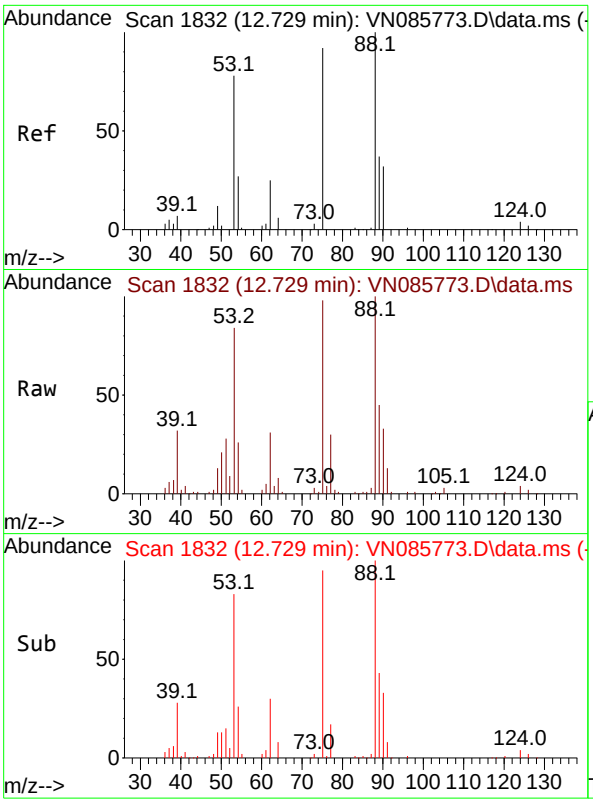


#80
1,3,5-Trimethylbenzene
Concen: 54.757 ug/l
RT: 13.165 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:105 Resp: 695205

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 52.111 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 9025

Ion	Ratio	Lower	Upper
75	100		
53	92.8	74.2	111.4
89	43.6	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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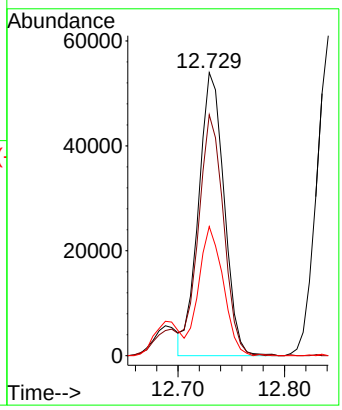
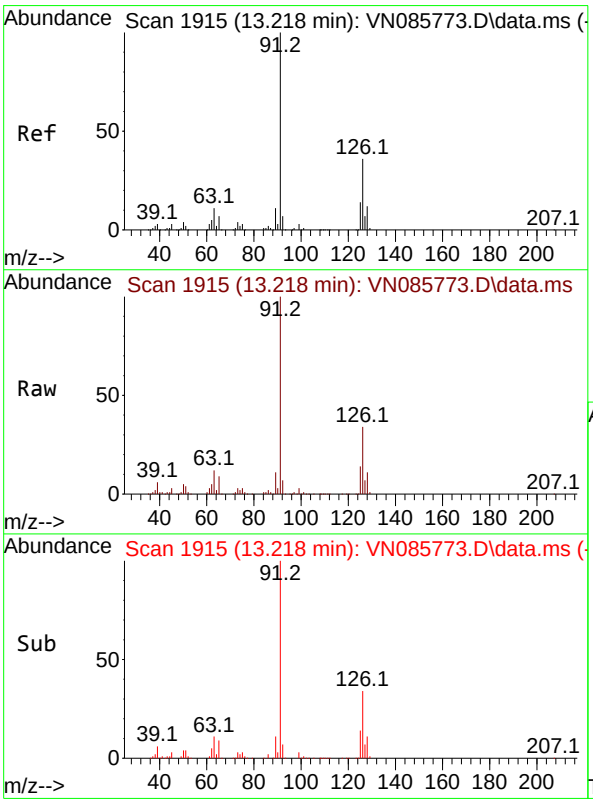
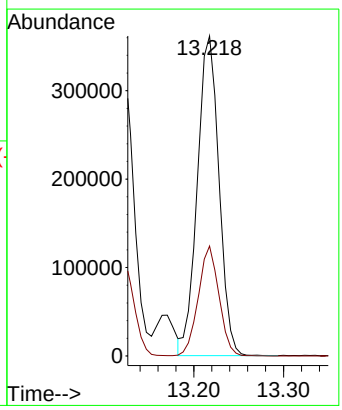


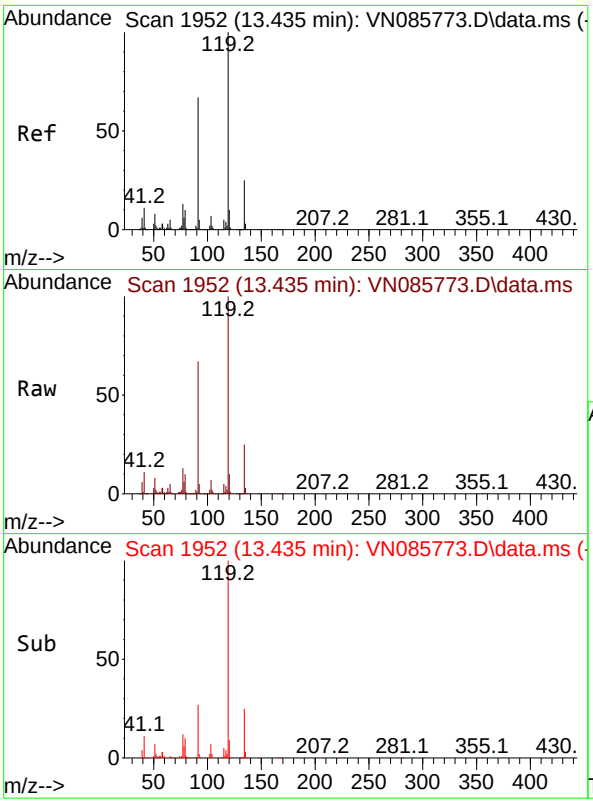


#82
4-Chlorotoluene
Concen: 51.139 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 91 Resp: 604612

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

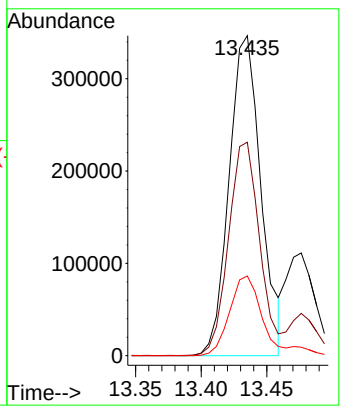




#83
tert-Butylbenzene
Concen: 54.933 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:119 Resp: 58649

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.5	97.5
134	26.6	13.3	39.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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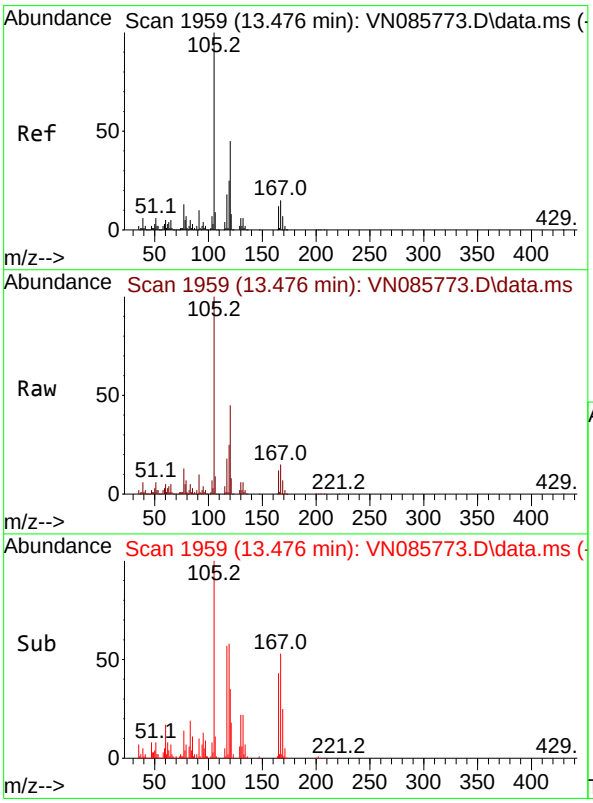
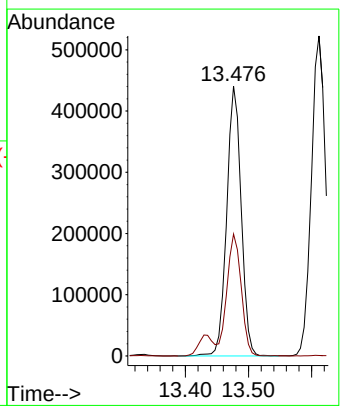
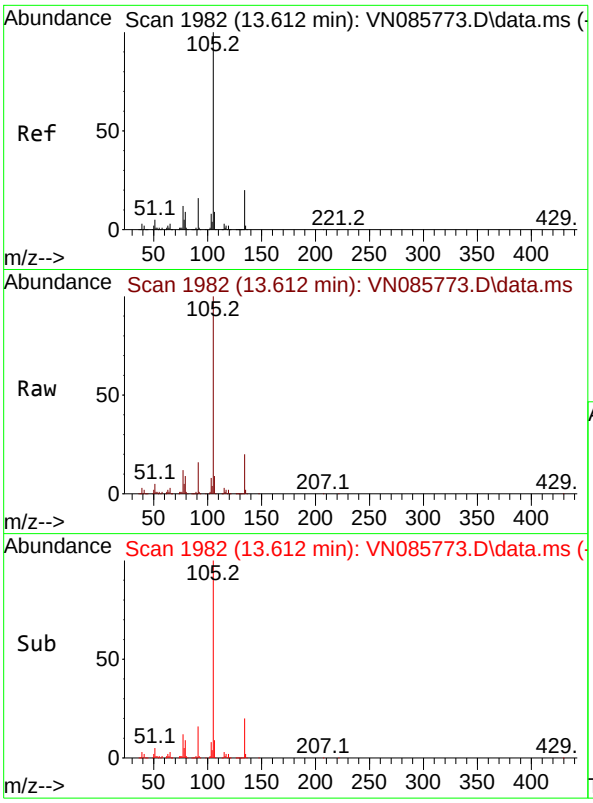


#84
1,2,4-Trimethylbenzene
Concen: 55.748 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:105 Resp: 700260

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3

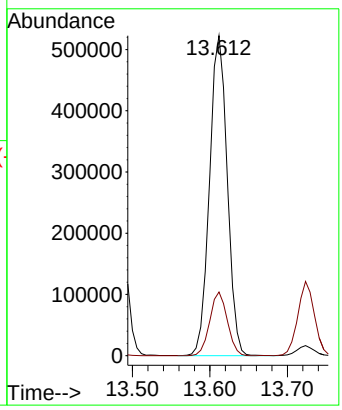




#85
sec-Butylbenzene
Concen: 55.099 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:105 Resp: 83114

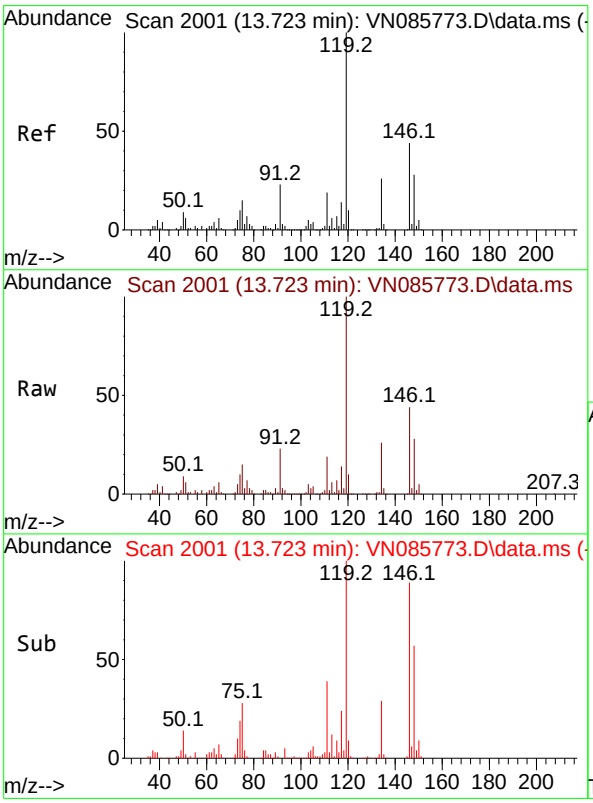
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

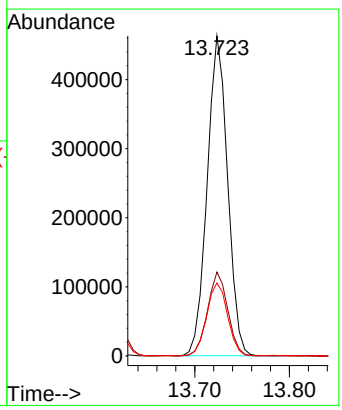
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

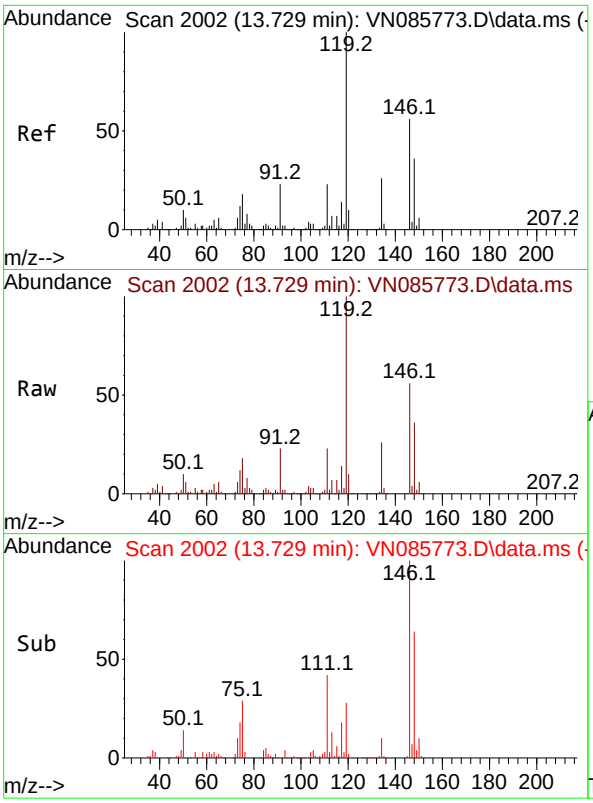


#86
p-Isopropyltoluene
Concen: 50.103 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:119 Resp: 692641

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.4	11.7	35.1

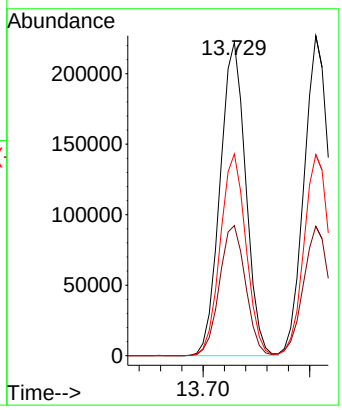




#87
1,3-Dichlorobenzene
Concen: 47.154 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:146 Resp: 37200

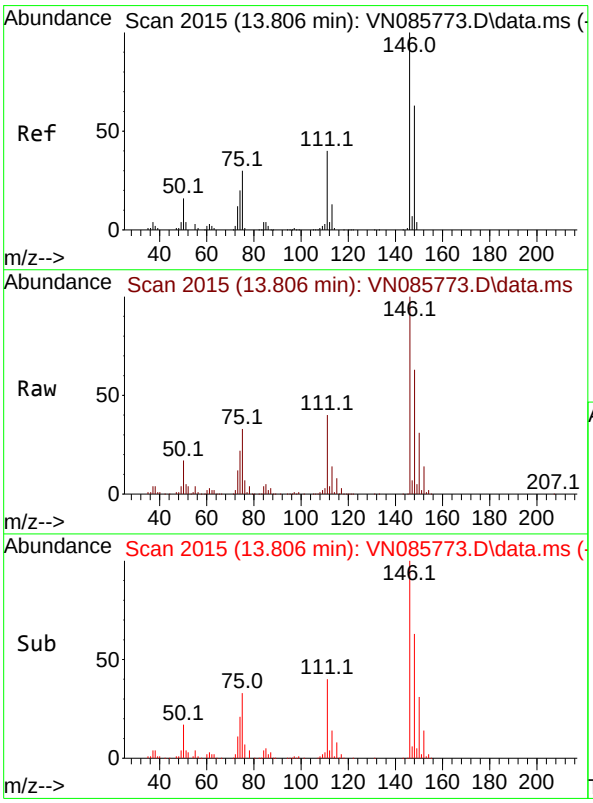
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	64.3	32.1	96.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

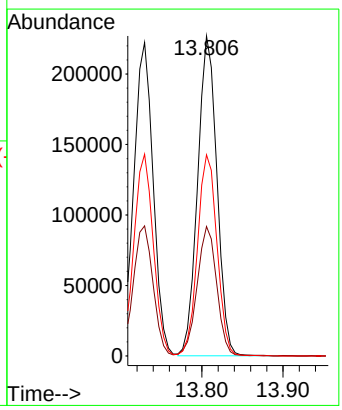
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

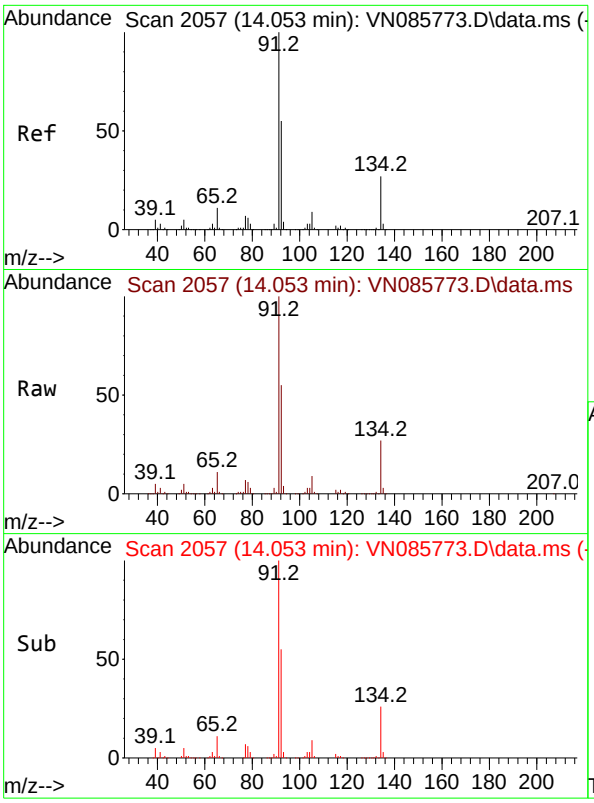


#88
1,4-Dichlorobenzene
Concen: 46.340 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:146 Resp: 374700

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	63.6	31.8	95.4





#89
n-Butylbenzene
Concen: 54.197 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

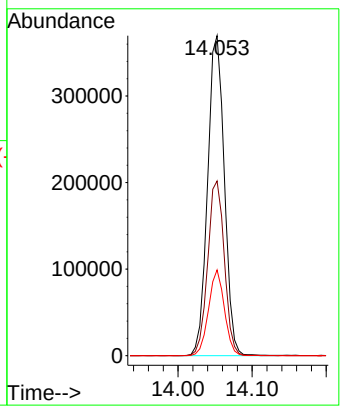
Tgt Ion: 91 Resp: 58044

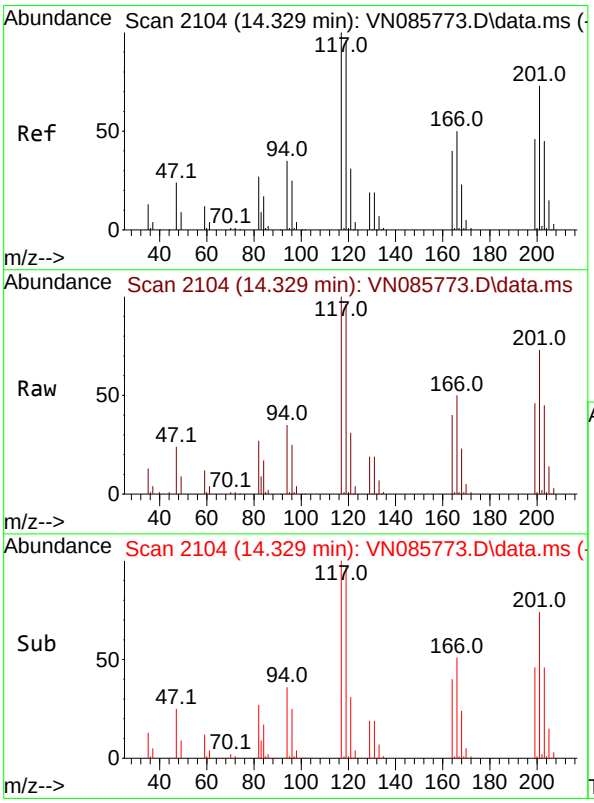
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	25.4	12.7	38.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

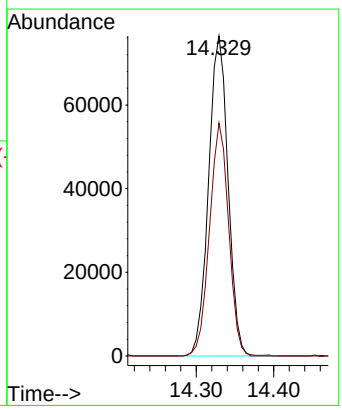


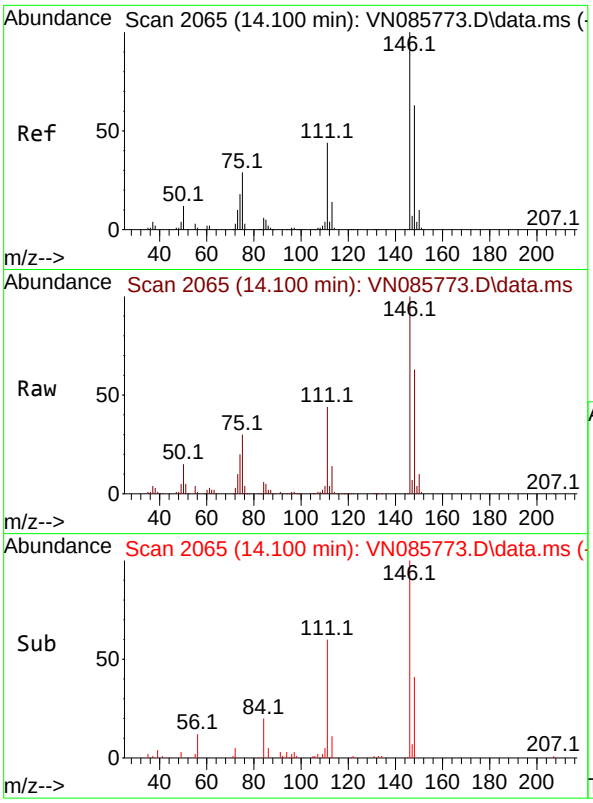


#90
Hexachloroethane
Concen: 46.708 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:117 Resp: 133438

Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.6	106.9

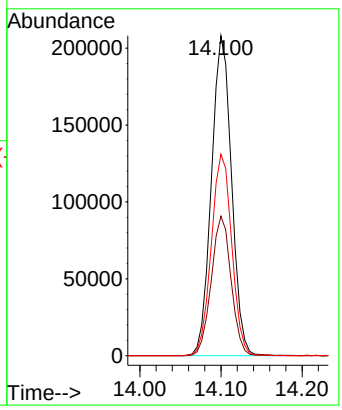




#91
1,2-Dichlorobenzene
Concen: 47.211 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:146 Resp: 35815

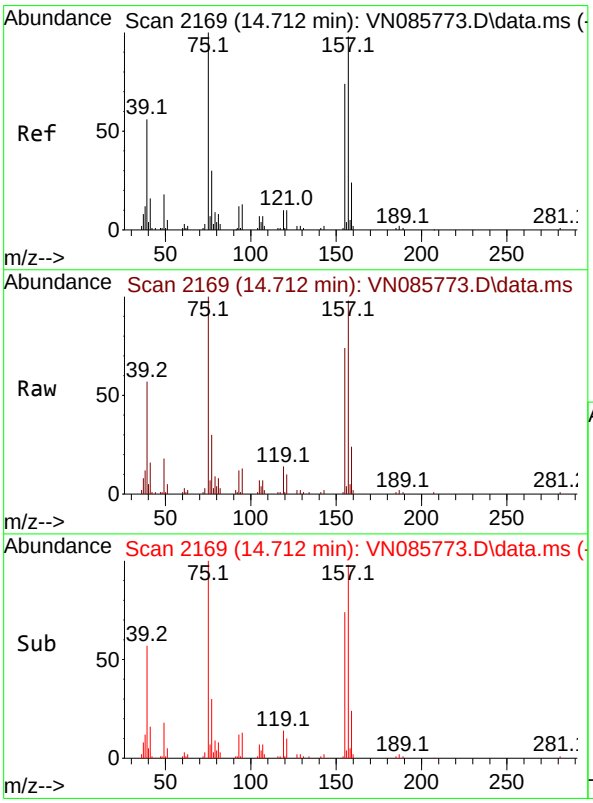
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.1	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

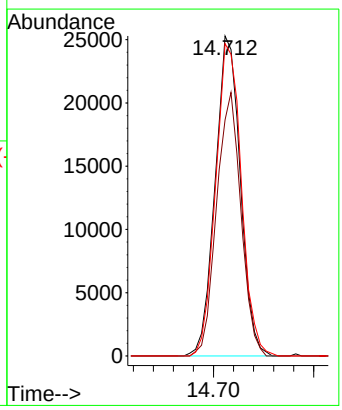
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

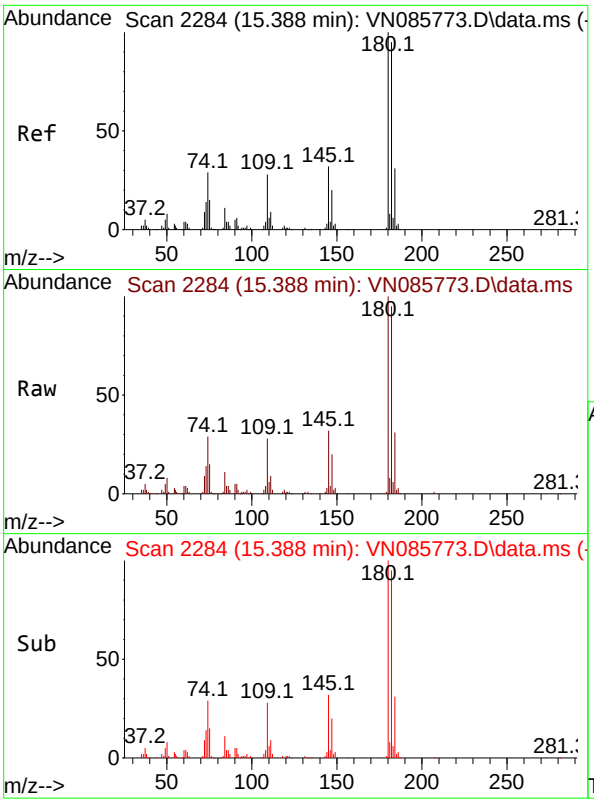


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.611 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 43935

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	99.8	49.9	149.7

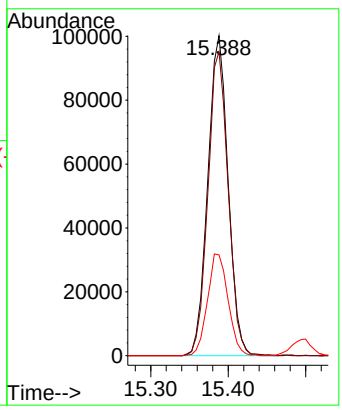




#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:180 Resp: 18245

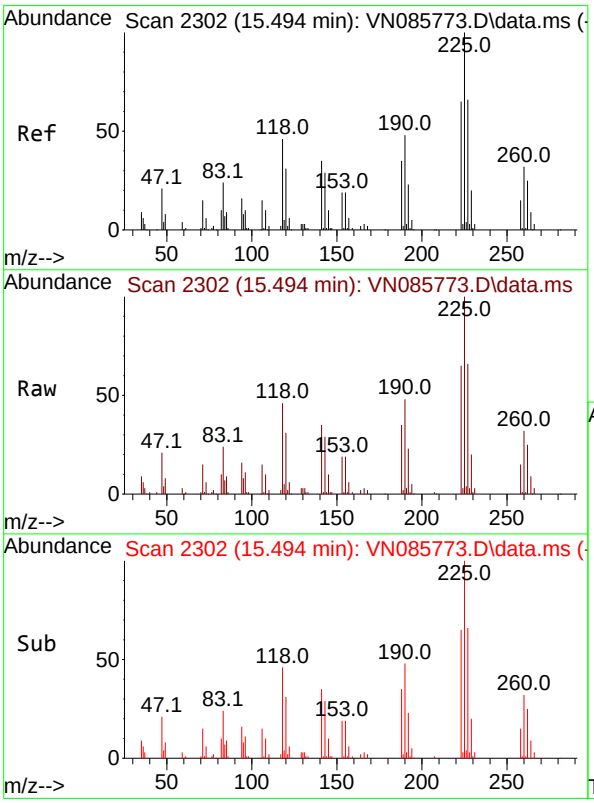
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.3	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

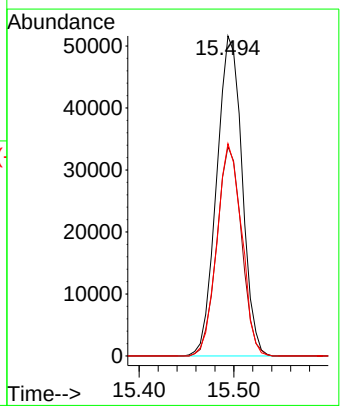
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

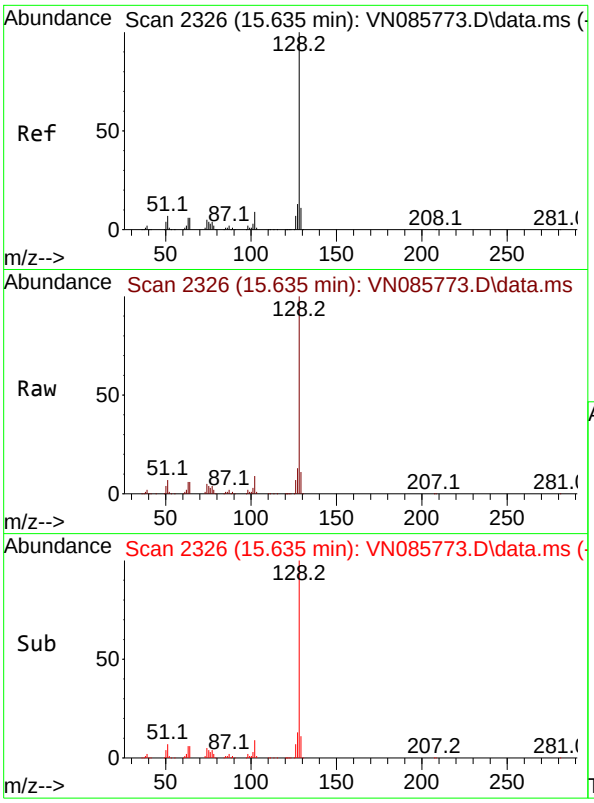


#94
Hexachlorobutadiene
Concen: 43.899 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:225 Resp: 96444

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.4	32.2	96.6

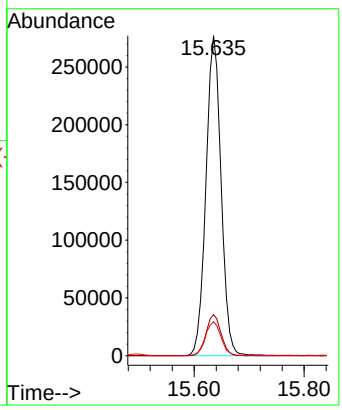




#95
Naphthalene
Concen: 53.265 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:128 Resp: 52862

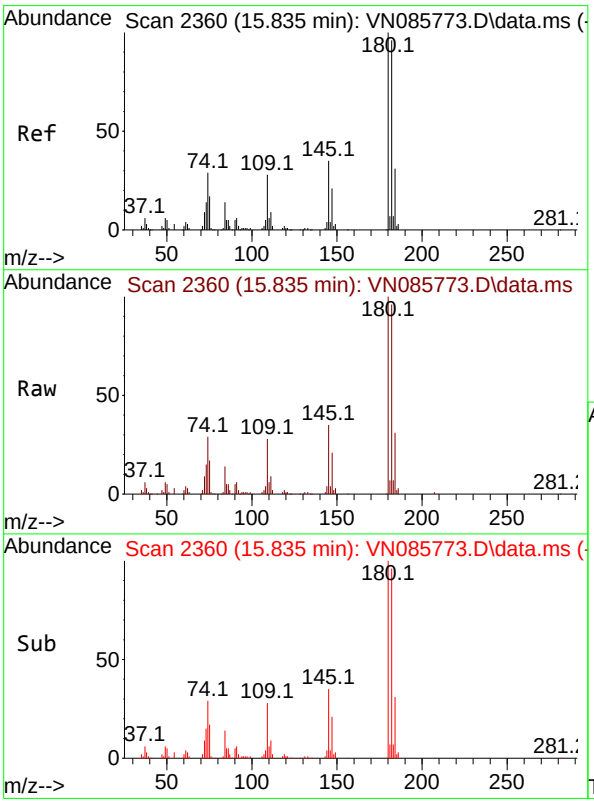
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

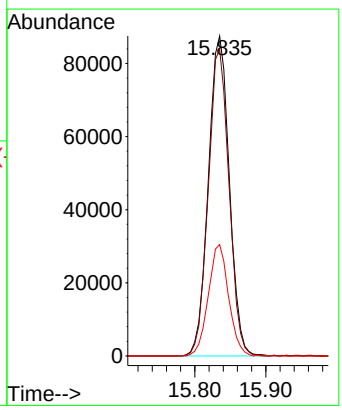
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.473 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:180 Resp: 179544

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	33.7	16.9	50.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	235331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	397776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	339681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	27654	9.064	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.120%#		
35) Dibromofluoromethane	8.159	113	23353	8.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	17.940%#		
50) Toluene-d8	10.565	98	80889	8.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	17.080%#		
62) 4-Bromofluorobenzene	12.841	95	25697	8.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	16.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	36657	11.452	ug/l	96
3) Chloromethane	2.359	50	34946	10.880	ug/l	97
4) Vinyl Chloride	2.518	62	37462	11.015	ug/l	99
5) Bromomethane	2.965	94	25562	11.755	ug/l	100
6) Chloroethane	3.124	64	24265	10.772	ug/l	95
7) Trichlorofluoromethane	3.500	101	53380	10.841	ug/l	99
8) Diethyl Ether	3.959	74	17236	10.819	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	31724	11.146	ug/l	96
10) Methyl Iodide	4.589	142	37913	10.806	ug/l	93
11) Tert butyl alcohol	5.506	59	21584	57.519	ug/l	99
12) 1,1-Dichloroethene	4.342	96	27815	10.778	ug/l	97
13) Acrolein	4.177	56	27644	49.677	ug/l	98
14) Allyl chloride	5.024	41	36624	10.809	ug/l	98
15) Acrylonitrile	5.718	53	65440	53.643	ug/l	99
16) Acetone	4.424	43	51172	53.007	ug/l	97
17) Carbon Disulfide	4.712	76	84915	11.102	ug/l	99
18) Methyl Acetate	5.024	43	37354	11.250	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	80686	10.521	ug/l	96
20) Methylene Chloride	5.271	84	33412	10.762	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	29226	10.517	ug/l	91
22) Diisopropyl ether	6.671	45	83002	10.841	ug/l	95
23) Vinyl Acetate	6.600	43	279697m	53.519	ug/l	
24) 1,1-Dichloroethane	6.565	63	57247	10.999	ug/l	97
25) 2-Butanone	7.477	43	77791	54.772	ug/l	98
26) 2,2-Dichloropropane	7.482	77	50333	10.876	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	34806	10.802	ug/l	98
28) Bromochloromethane	7.812	49	16276	7.609	ug/l #	99
29) Tetrahydrofuran	7.835	42	50478	55.039	ug/l	98
30) Chloroform	7.959	83	59719	10.980	ug/l	96
31) Cyclohexane	8.253	56	45995	10.555	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	51254	10.595	ug/l	98
36) 1,1-Dichloropropene	8.365	75	38983	10.582	ug/l	99
37) Ethyl Acetate	7.553	43	30665	10.115	ug/l	96
38) Carbon Tetrachloride	8.353	117	46420	10.605	ug/l	97
39) Methylcyclohexane	9.594	83	35475	9.803	ug/l #	85
40) Benzene	8.606	78	124704	10.562	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	16811	10.373	ug/l		99
42) 1,2-Dichloroethane	8.665	62	41912	10.898	ug/l		98
43) Isopropyl Acetate	8.682	43	60794	11.001	ug/l		95
44) Trichloroethene	9.347	130	30561	10.542	ug/l		88
45) 1,2-Dichloropropane	9.618	63	30619	10.744	ug/l		100
46) Dibromomethane	9.706	93	21085	10.489	ug/l		98
47) Bromodichloromethane	9.882	83	45413	10.559	ug/l		95
48) Methyl methacrylate	9.676	41	22058	9.798	ug/l		96
49) 1,4-Dioxane	9.688	88	8936	208.723	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.441	43	155789	53.302	ug/l		98
52) Toluene	10.623	92	73516	10.622	ug/l		98
53) t-1,3-Dichloropropene	10.829	75	41230	10.367	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	46300	10.617	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	29408	10.687	ug/l		96
56) Ethyl methacrylate	10.871	69	35641	10.274	ug/l		99
57) 1,3-Dichloropropane	11.159	76	48905	10.647	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	67791	47.108	ug/l		97
59) 2-Hexanone	11.188	43	105782	52.609	ug/l		97
60) Dibromochloromethane	11.353	129	34267	10.694	ug/l		98
61) 1,2-Dibromoethane	11.465	107	28789	11.073	ug/l		97
64) Tetrachloroethene	11.100	164	28564	10.855	ug/l		92
65) Chlorobenzene	11.888	112	82365	10.585	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.953	131	30133	10.773	ug/l		99
67) Ethyl Benzene	11.959	91	124323	10.199	ug/l		98
68) m/p-Xylenes	12.065	106	98574	21.290	ug/l		98
69) o-Xylene	12.394	106	45263	10.287	ug/l		100
70) Styrene	12.406	104	72044	9.994	ug/l		98
71) Bromoform	12.576	173	21882	10.529	ug/l	#	98
73) Isopropylbenzene	12.688	105	109944	10.576	ug/l		99
74) N-amyl acetate	12.488	43	38318	10.452	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	39575	11.063	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	34754m	10.425	ug/l		
77) Bromobenzene	12.976	156	31066	11.061	ug/l		98
78) n-propylbenzene	13.029	91	125206	10.517	ug/l		99
79) 2-Chlorotoluene	13.117	91	86237	10.841	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	90718	10.713	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11901	10.302	ug/l		97
82) 4-Chlorotoluene	13.217	91	86106	10.919	ug/l		100
83) tert-Butylbenzene	13.435	119	73803	10.364	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	89125	10.638	ug/l		99
85) sec-Butylbenzene	13.611	105	107253	10.660	ug/l		99
86) p-Isopropyltoluene	13.723	119	84249	10.256	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	56944	10.822	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	57166	10.600	ug/l		99
89) n-Butylbenzene	14.053	91	70940	9.931	ug/l		96
90) Hexachloroethane	14.329	117	19282	10.119	ug/l		94
91) 1,2-Dichlorobenzene	14.100	146	53647	10.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7223	10.996	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	25090	10.406	ug/l		98
94) Hexachlorobutadiene	15.494	225	15278	10.426	ug/l		95
95) Naphthalene	15.635	128	65549	9.902	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	25612	10.581	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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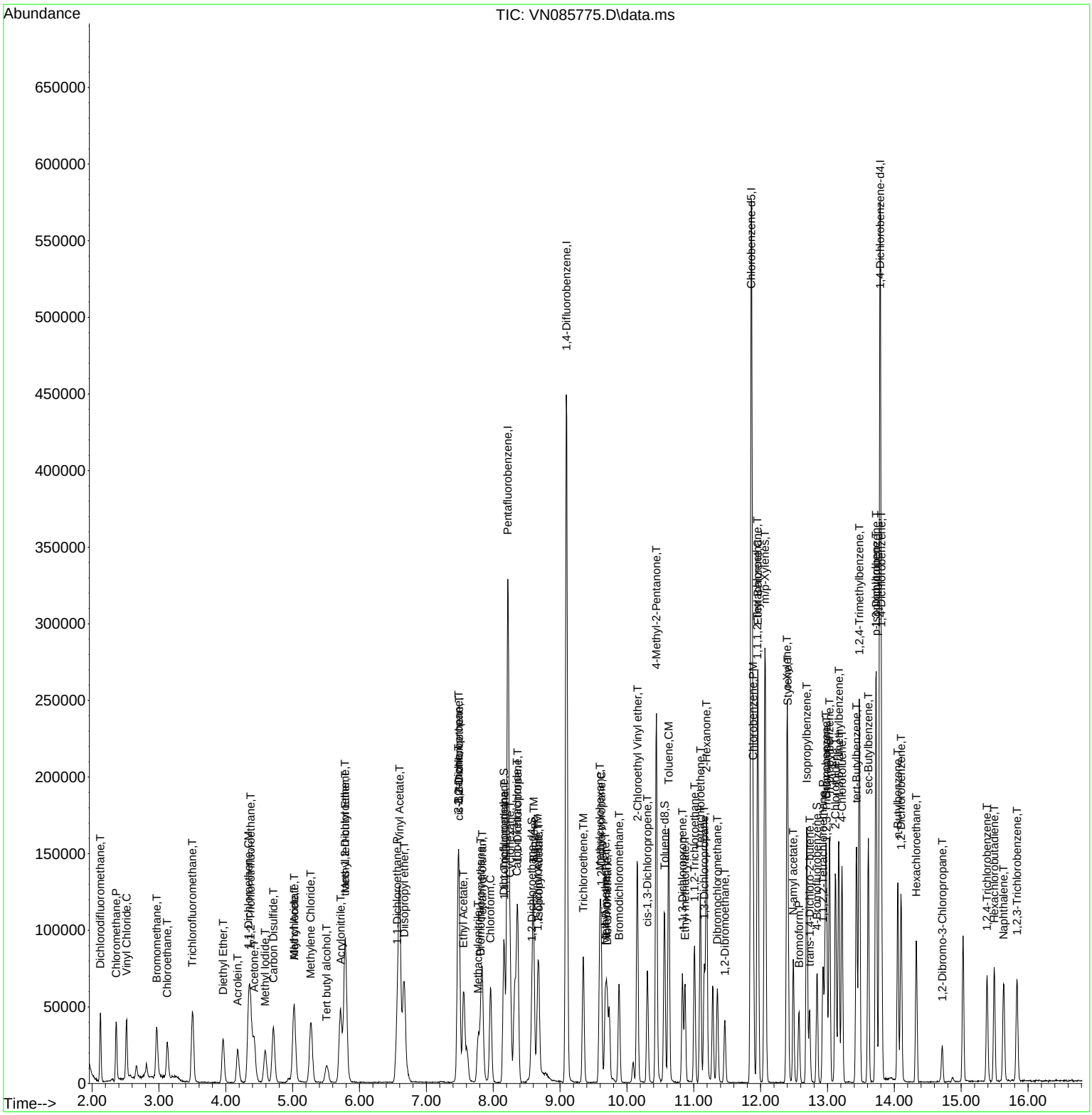
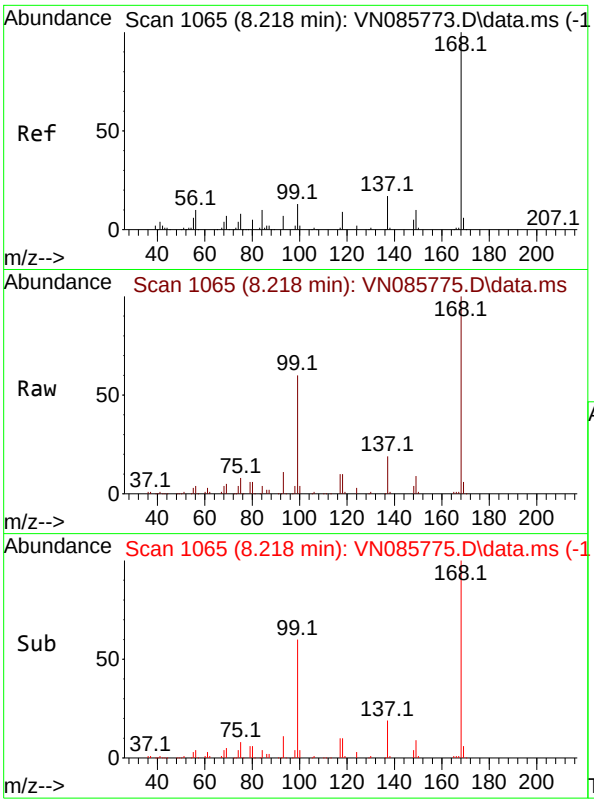
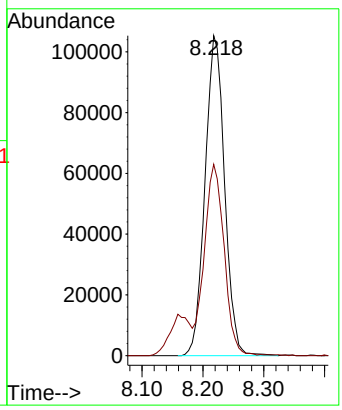




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:168 Resp: 23533

Ion	Ratio	Lower	Upper
168	100		
99	59.5	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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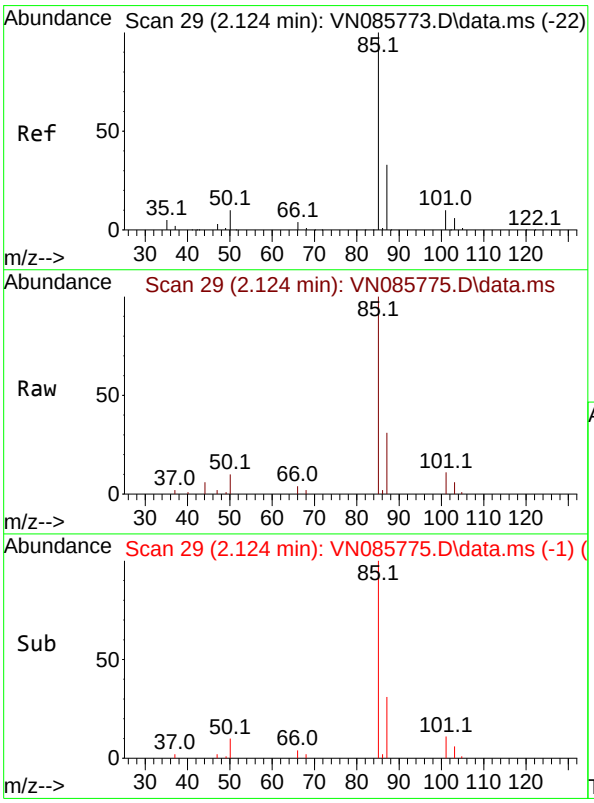
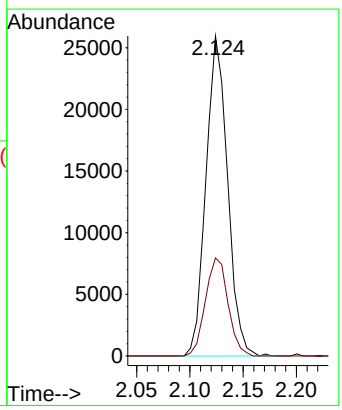
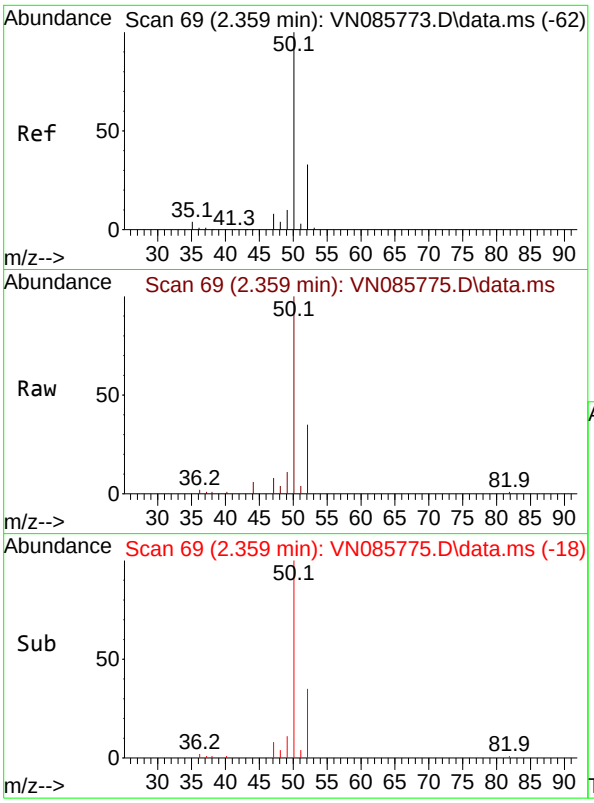


#2
Dichlorodifluoromethane
Concen: 11.452 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 85 Resp: 36657

Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.4	49.2





#3
Chloromethane
Concen: 10.880 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 50 Resp: 3494

Ion	Ratio	Lower	Upper
50	100		
52	35.4	26.7	40.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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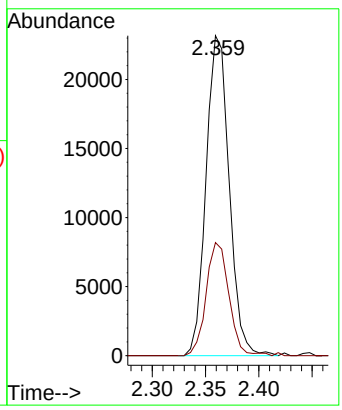
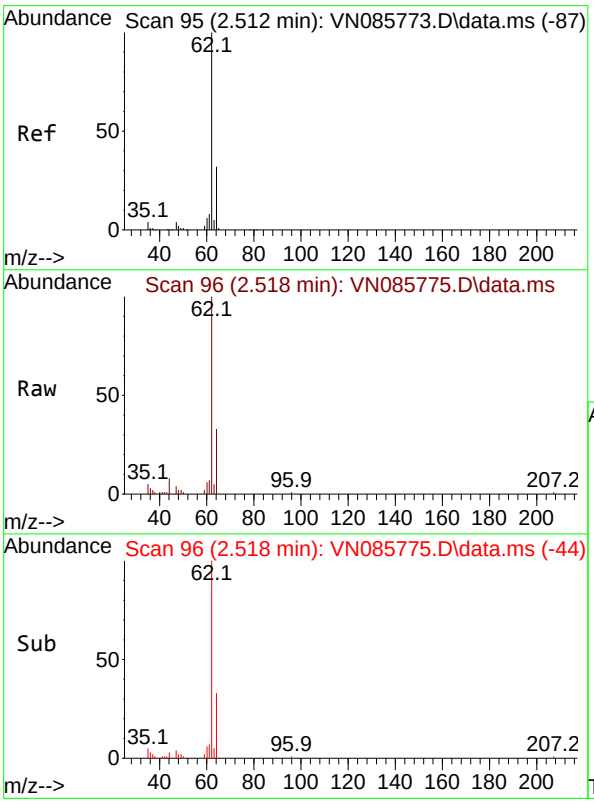
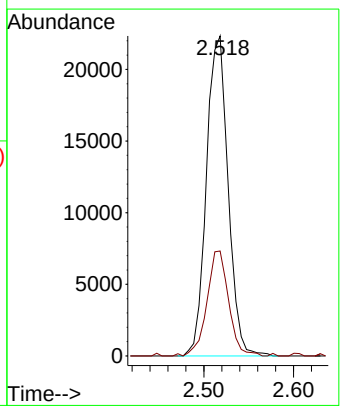


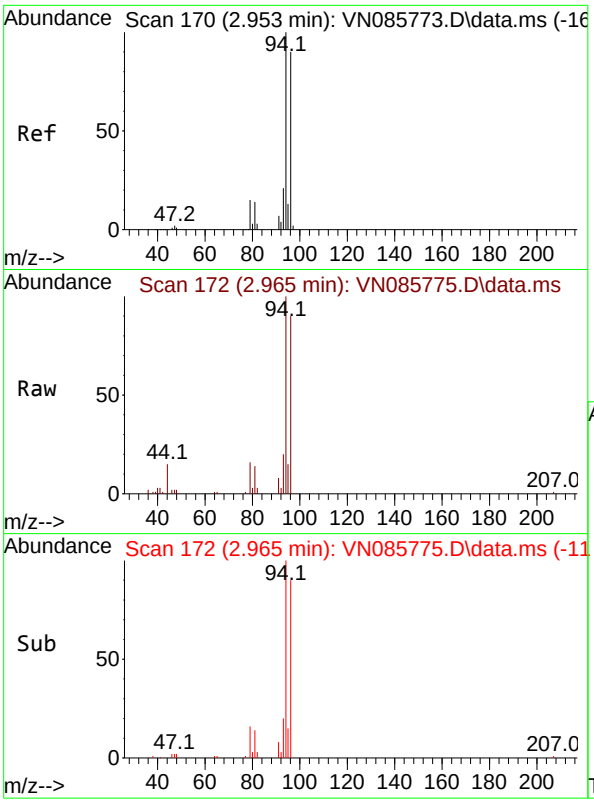


#4
Vinyl Chloride
Concen: 11.015 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 62 Resp: 37462

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.9	38.9

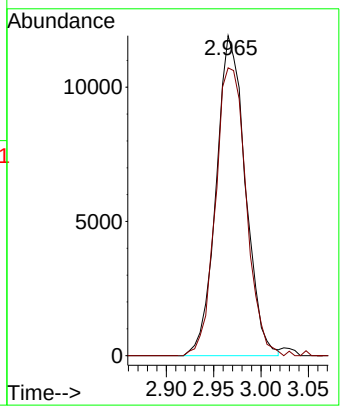




#5
Bromomethane
Concen: 11.755 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 94 Resp: 2556

Ion	Ratio	Lower	Upper
94	100		
96	89.9	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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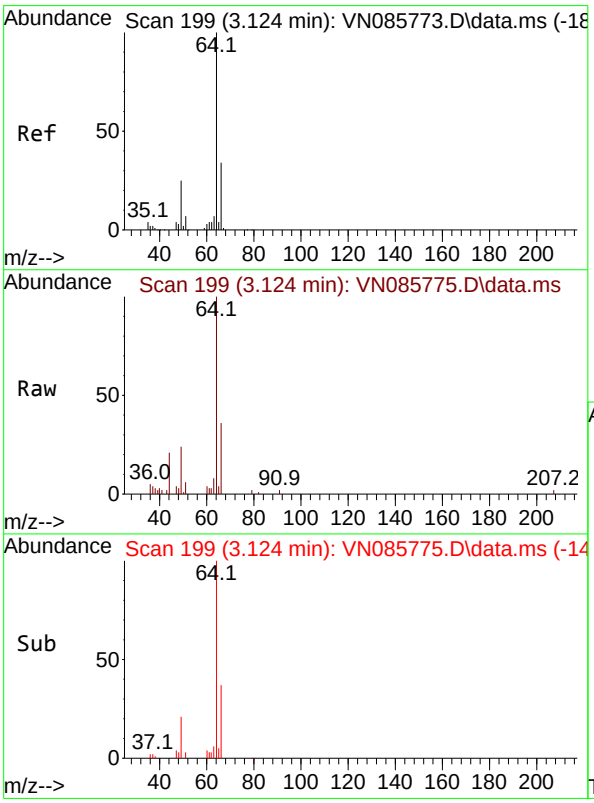
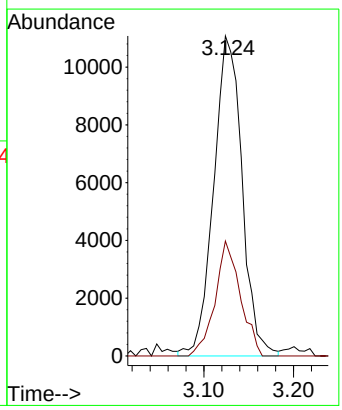
Supervised By :Mahesh Dadoda 02/19/2025

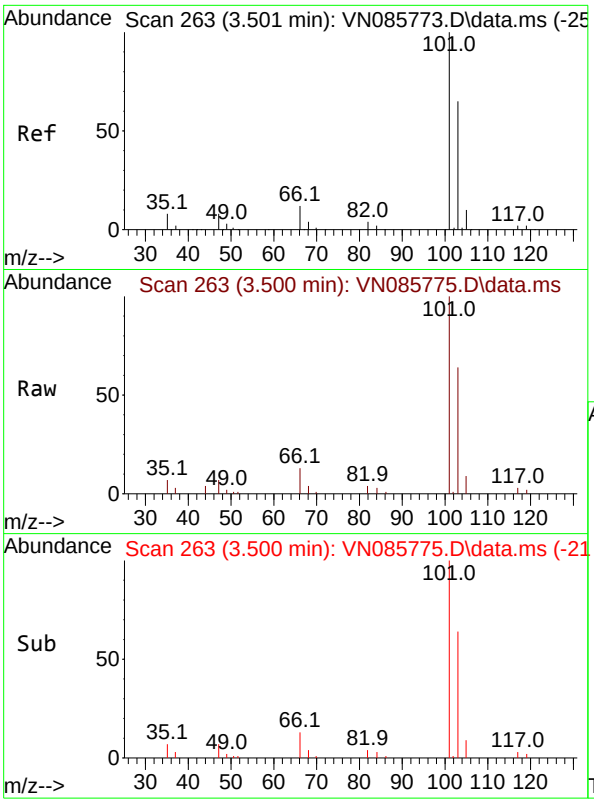


#6
Chloroethane
Concen: 10.772 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 64 Resp: 24265

Ion	Ratio	Lower	Upper
64	100		
66	36.5	27.0	40.6

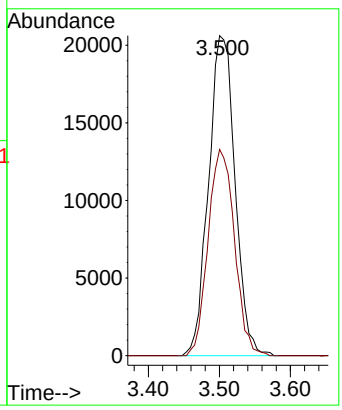




#7
Trichlorofluoromethane
Concen: 10.841 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:101 Resp: 5338

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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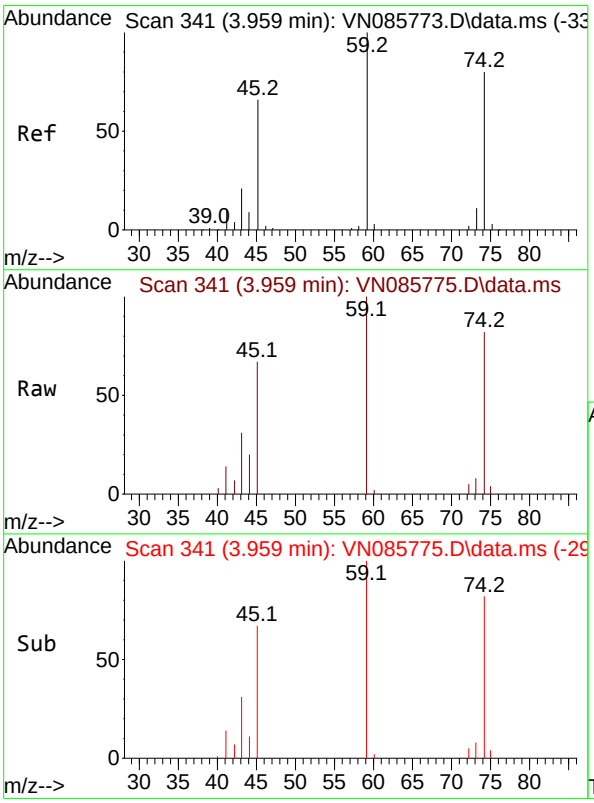
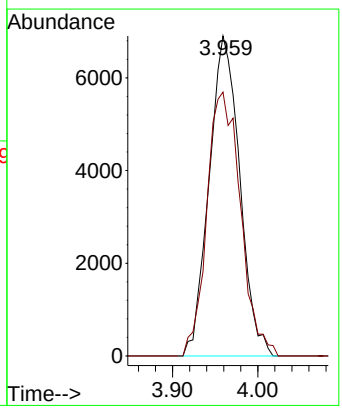
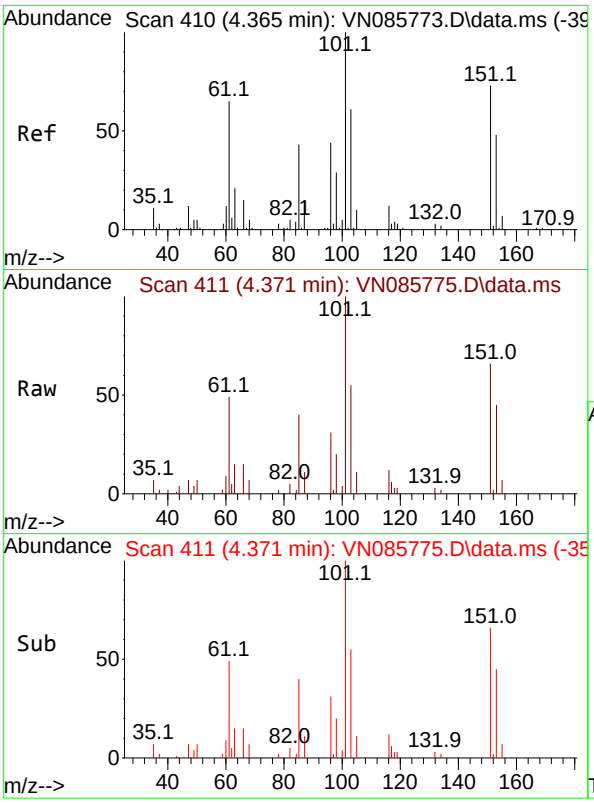


#8
Diethyl Ether
Concen: 10.819 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 74 Resp: 17236

Ion	Ratio	Lower	Upper
74	100		
45	90.3	42.5	127.6

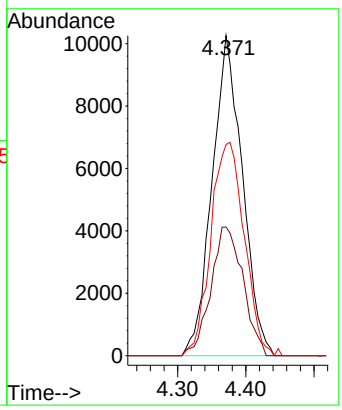




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.146 ug/l
RT: 4.371 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:101 Resp: 3172

Ion	Ratio	Lower	Upper
101	100		
85	42.7	35.7	53.5
151	73.2	61.4	92.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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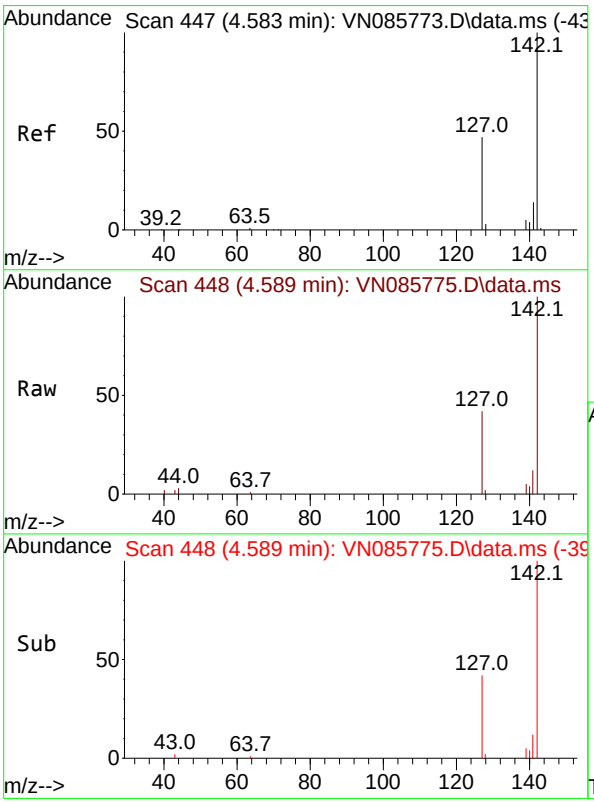
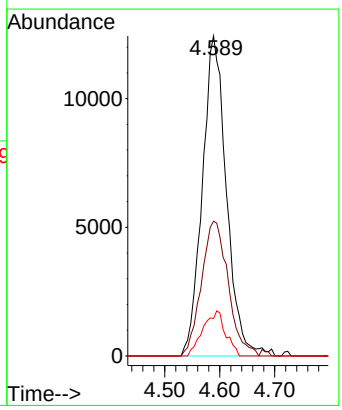
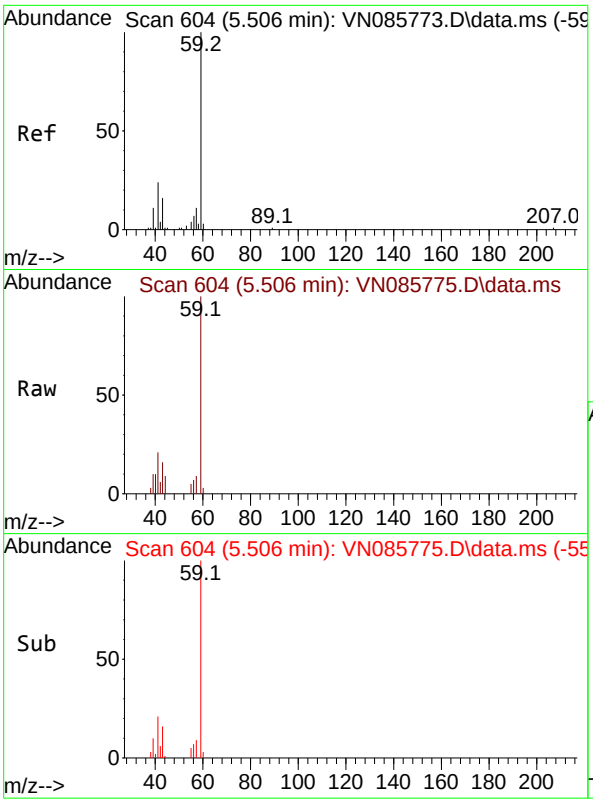


#10
Methyl Iodide
Concen: 10.806 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:142 Resp: 37913

Ion	Ratio	Lower	Upper
142	100		
127	42.1	37.6	56.4
141	11.7	11.4	17.2





#11
Tert butyl alcohol
Concen: 57.519 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 59 Resp: 2158

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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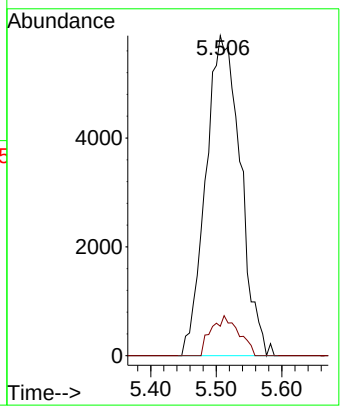
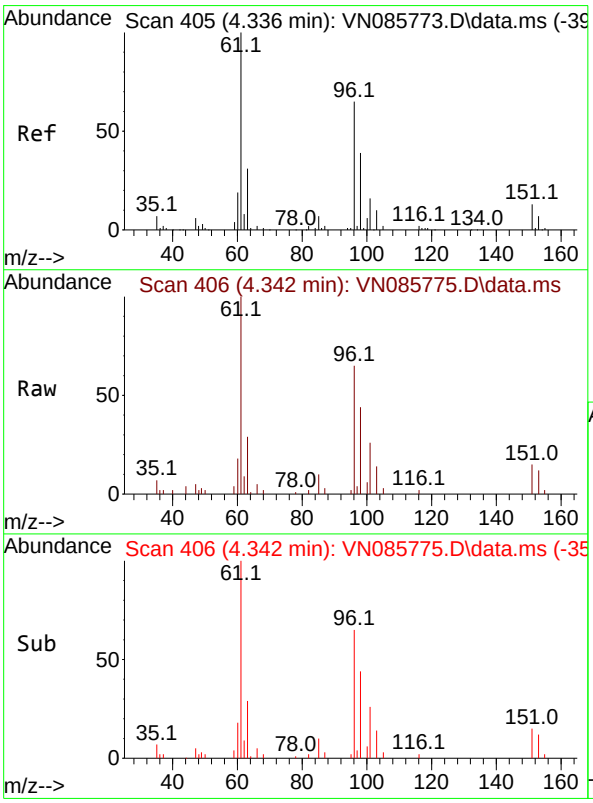
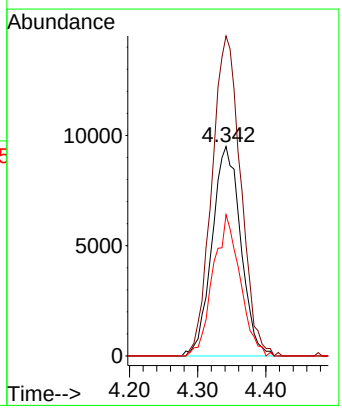


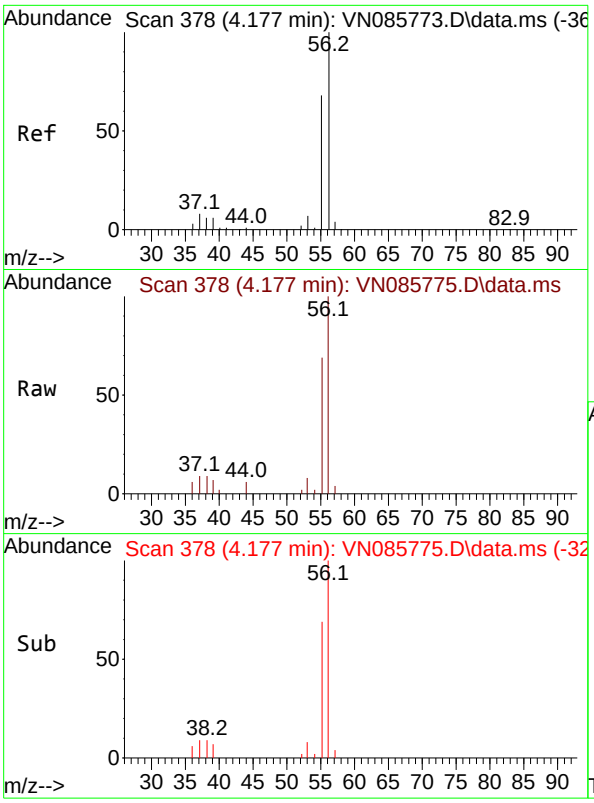


#12
1,1-Dichloroethene
Concen: 10.778 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 96 Resp: 27815

Ion	Ratio	Lower	Upper
96	100		
61	152.7	123.3	184.9
98	67.4	48.6	72.8

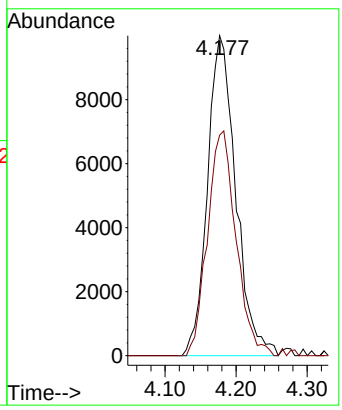




#13
Acrolein
Concen: 49.677 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 56 Resp: 2764

Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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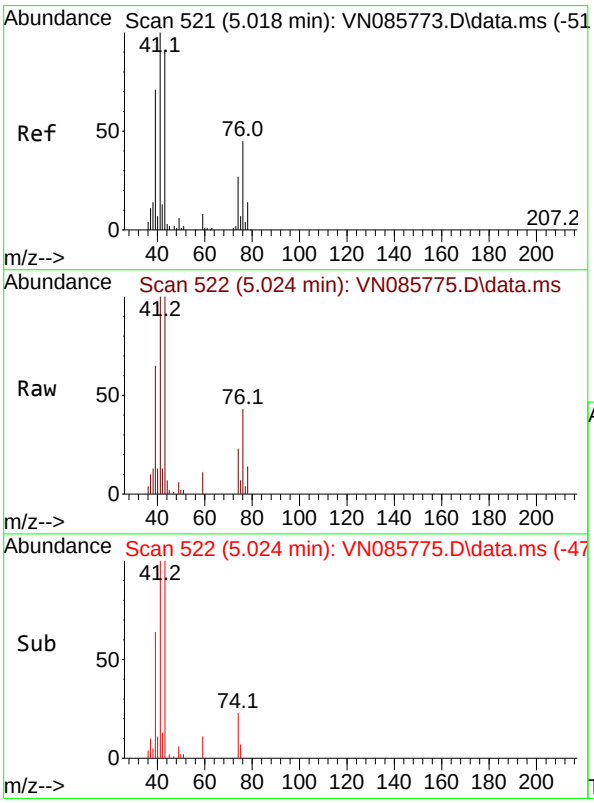
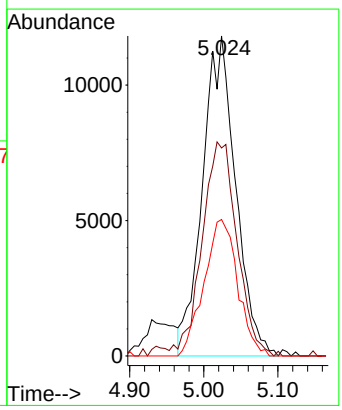
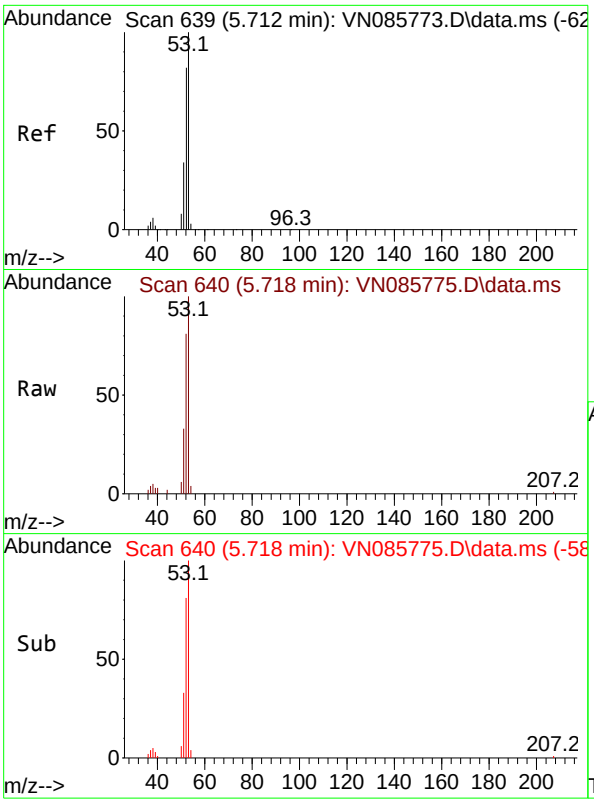


#14
Allyl chloride
Concen: 10.809 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 41 Resp: 36624

Ion	Ratio	Lower	Upper
41	100		
39	70.9	57.4	86.2
76	43.4	36.2	54.2





#15
Acrylonitrile
Concen: 53.643 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 53 Resp: 6544

Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.8	98.6
51	34.5	28.6	42.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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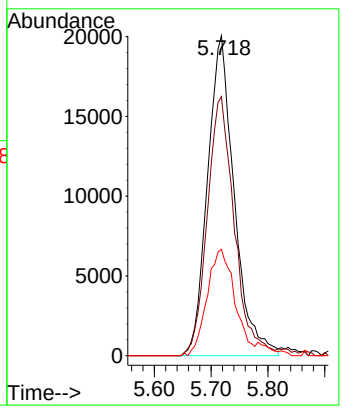
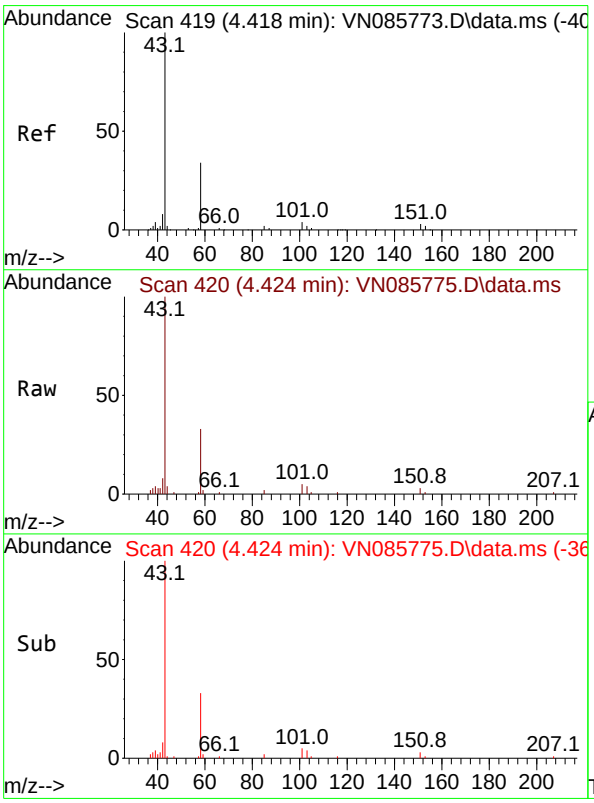
Supervised By :Mahesh Dadoda 02/19/2025

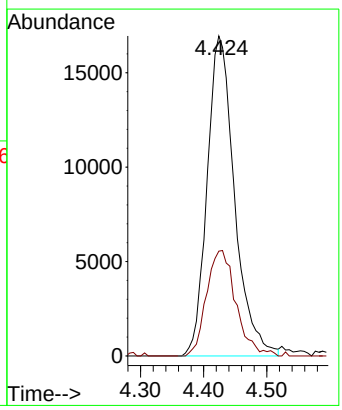


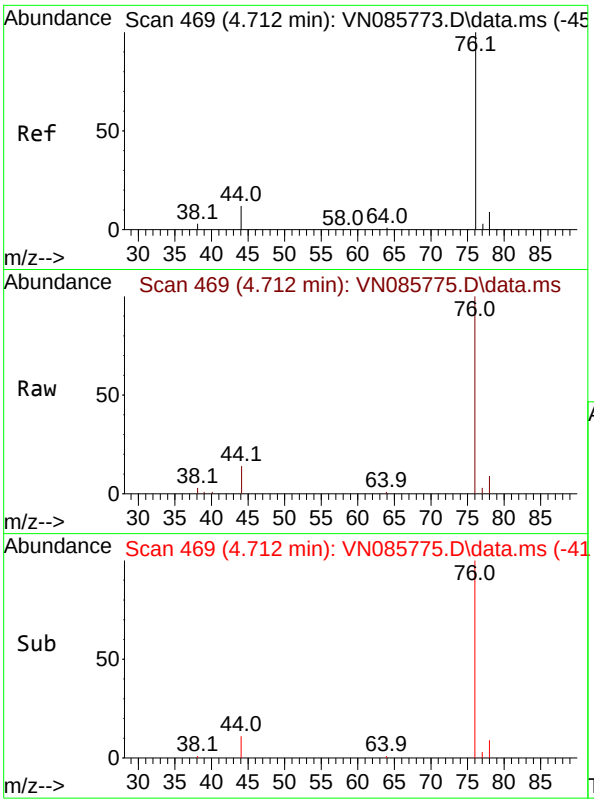


#16
Acetone
Concen: 53.007 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 51172

Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.5	41.3

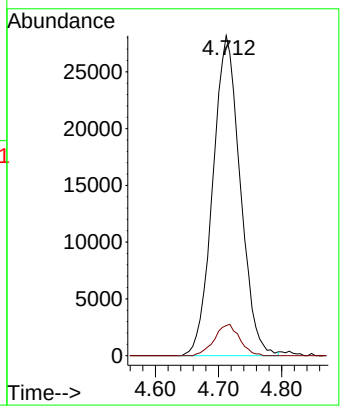




#17
Carbon Disulfide
Concen: 11.102 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 76 Resp: 8491

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0



Instrument :
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ClientSampleId :
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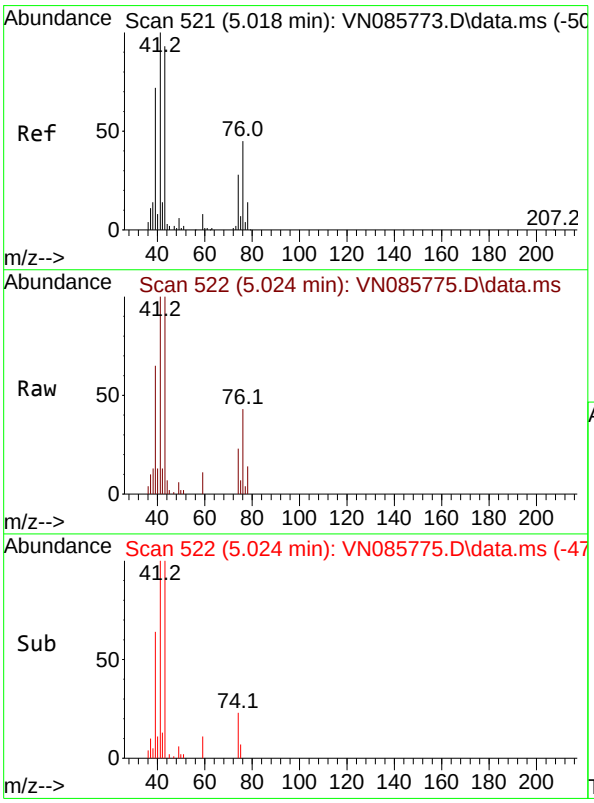
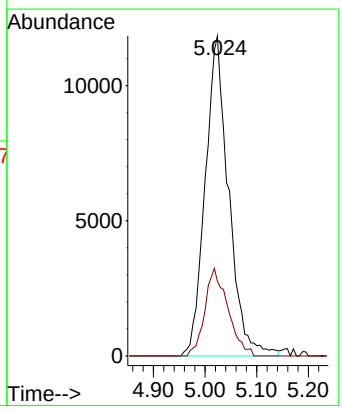
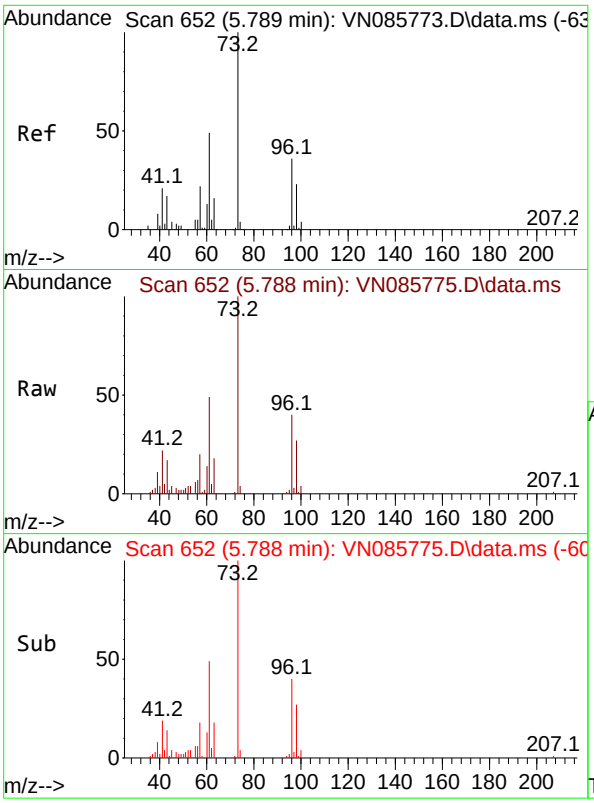


#18
Methyl Acetate
Concen: 11.250 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 37354

Ion	Ratio	Lower	Upper
43	100		
74	26.9	22.2	33.4

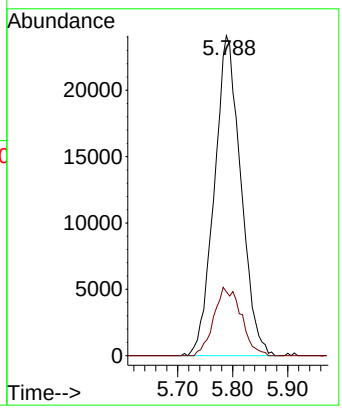




#19
Methyl tert-butyl Ether
Concen: 10.521 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 73 Resp: 8068

Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.6	26.4



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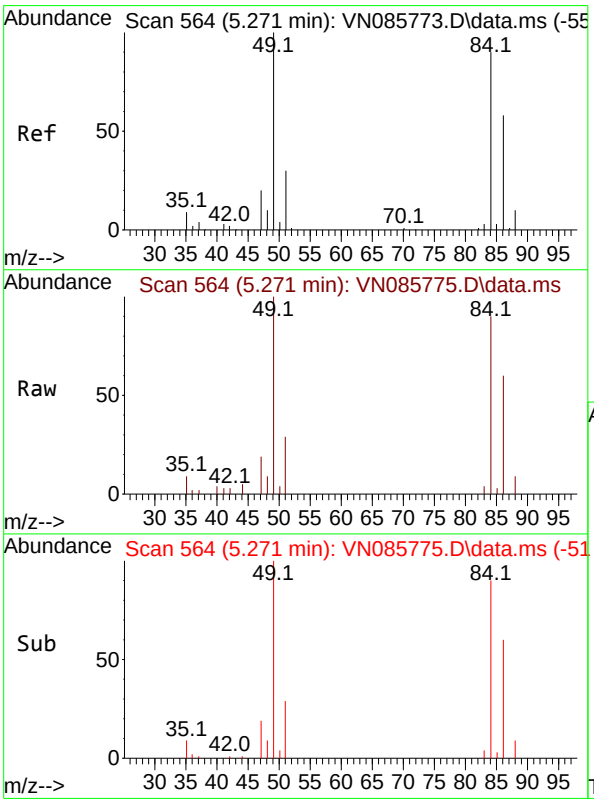
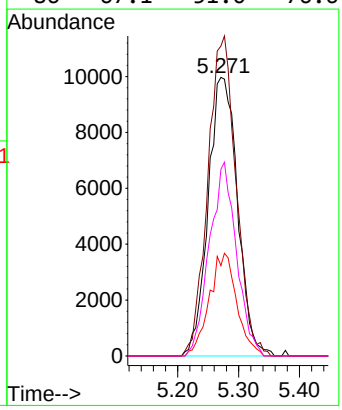
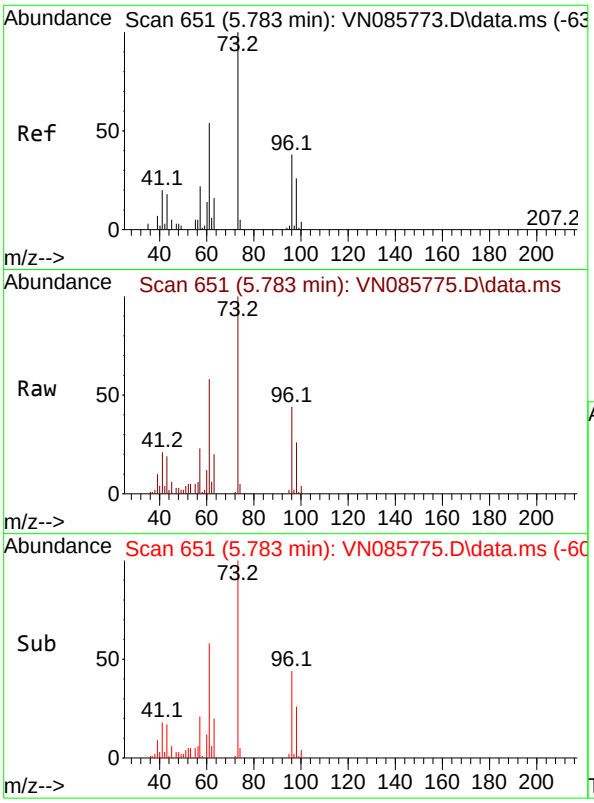


#20
Methylene Chloride
Concen: 10.762 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 84 Resp: 33412

Ion	Ratio	Lower	Upper
84	100		
49	111.3	88.4	132.6
51	32.4	26.6	40.0
86	67.1	51.0	76.6

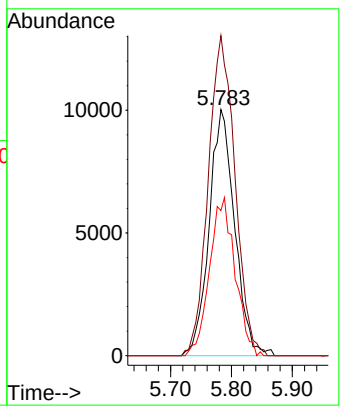




#21
trans-1,2-Dichloroethene
Concen: 10.517 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 96 Resp: 2922

Ion	Ratio	Lower	Upper
96	100		
61	130.0	112.6	168.8
98	59.0	53.3	79.9



Instrument :
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ClientSampleId :
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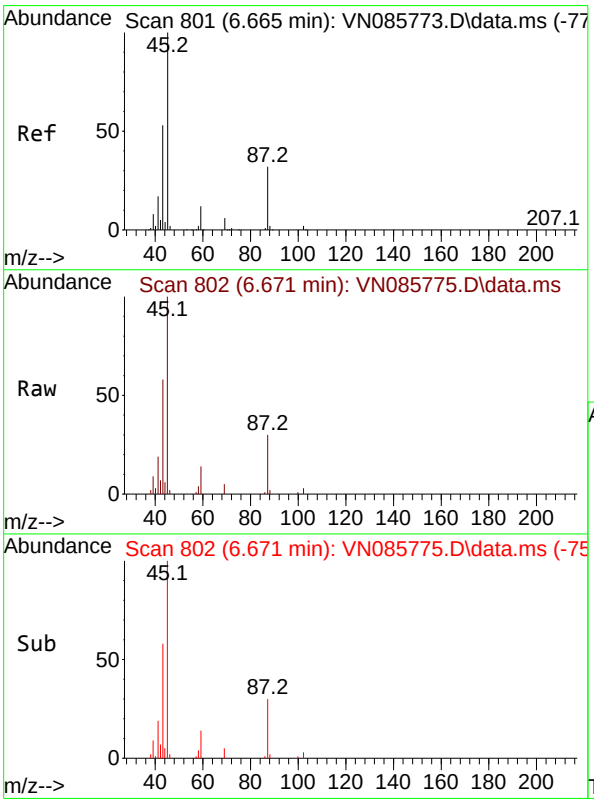
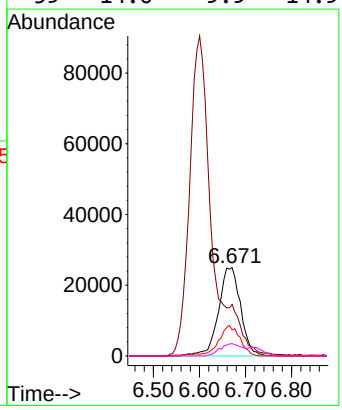
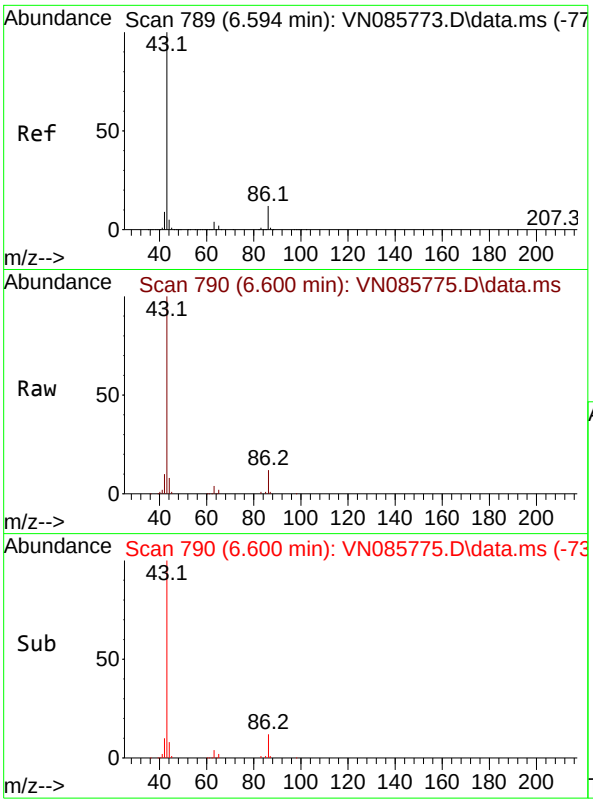


#22
Diisopropyl ether
Concen: 10.841 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 45 Resp: 83002

Ion	Ratio	Lower	Upper
45	100		
43	56.6	42.6	64.0
87	29.5	25.8	38.8
59	14.0	9.9	14.9

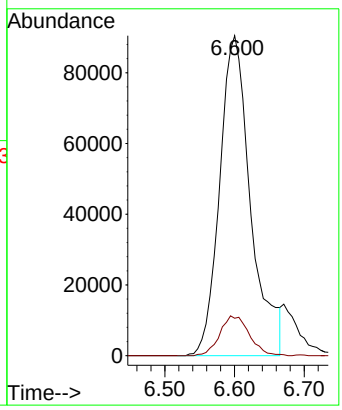




#23
Vinyl Acetate
Concen: 53.519 ug/l m
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 27969

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.8	14.8



Instrument :
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ClientSampleId :
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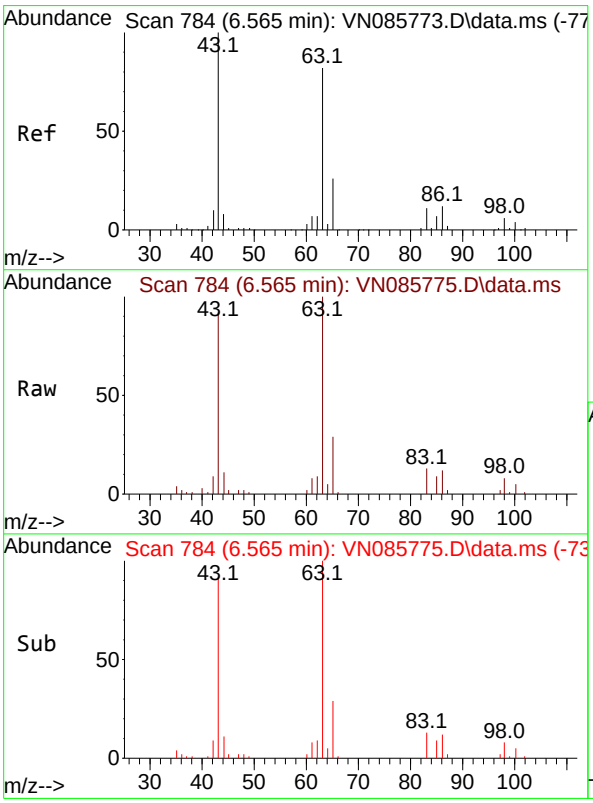
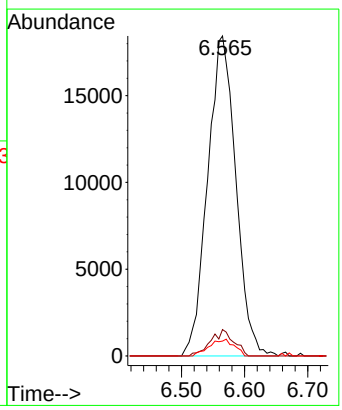
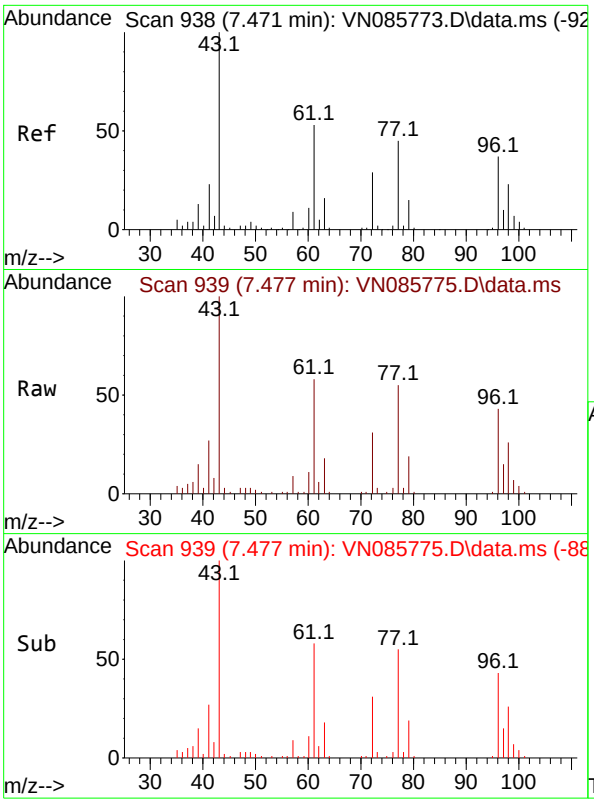


#24
1,1-Dichloroethane
Concen: 10.999 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 63 Resp: 57247

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.4
100	4.6	2.4	7.2

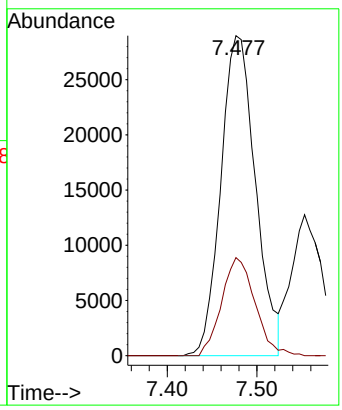




#25
2-Butanone
Concen: 54.772 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 7779

Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.6	35.4



Instrument :
MSVOA_N
ClientSampleId :
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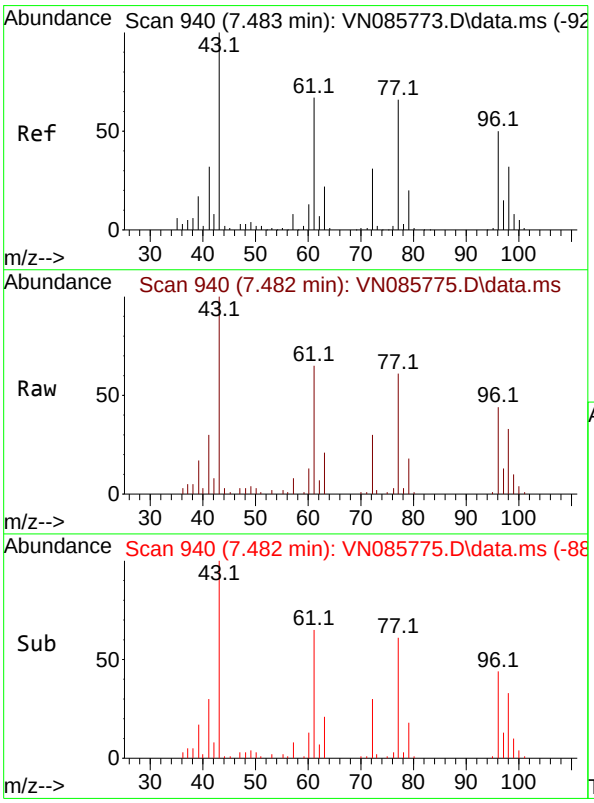
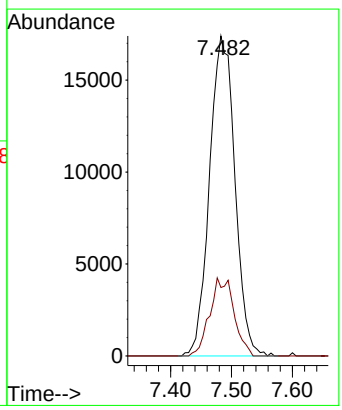
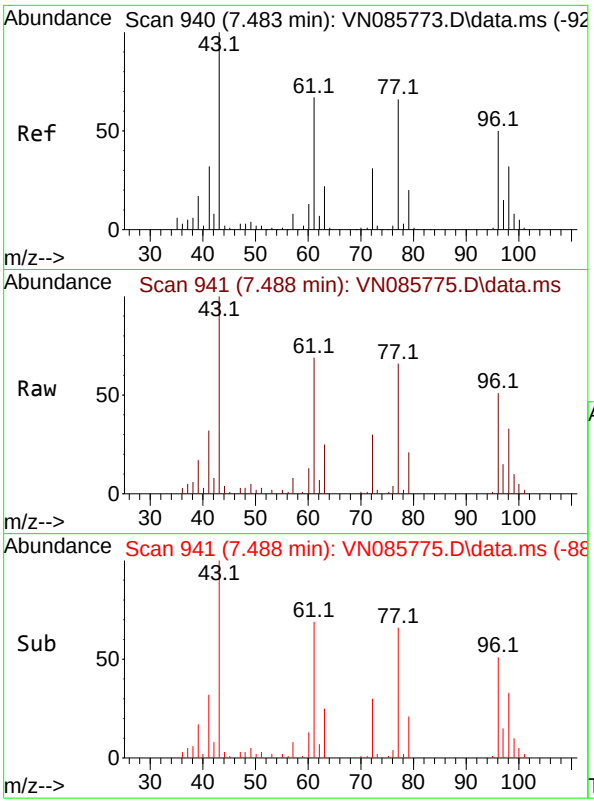


#26
2,2-Dichloropropane
Concen: 10.876 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 77 Resp: 50333

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.3	33.8

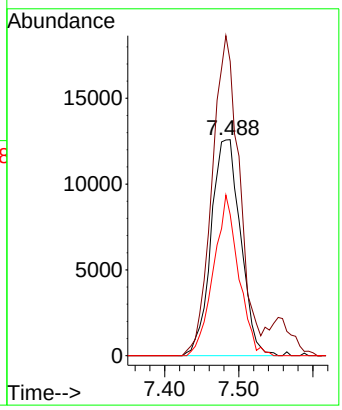




#27
cis-1,2-Dichloroethene
Concen: 10.802 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 96 Resp: 3480

Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	280.6
98	63.6	0.0	128.6



Instrument :
MSVOA_N
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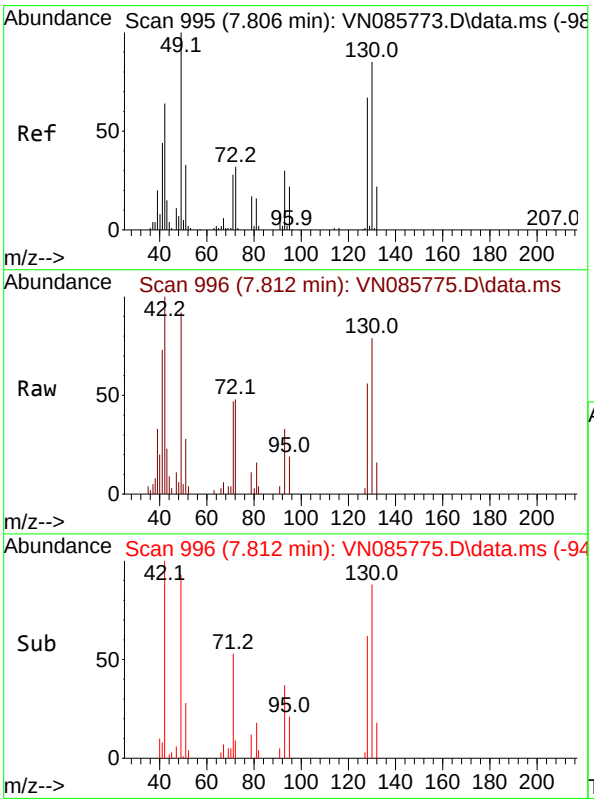
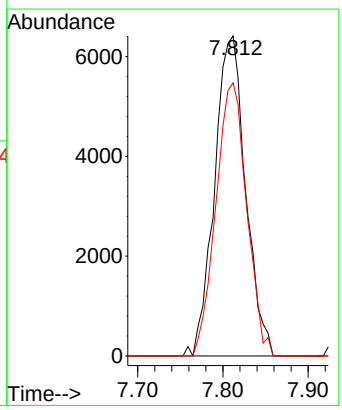
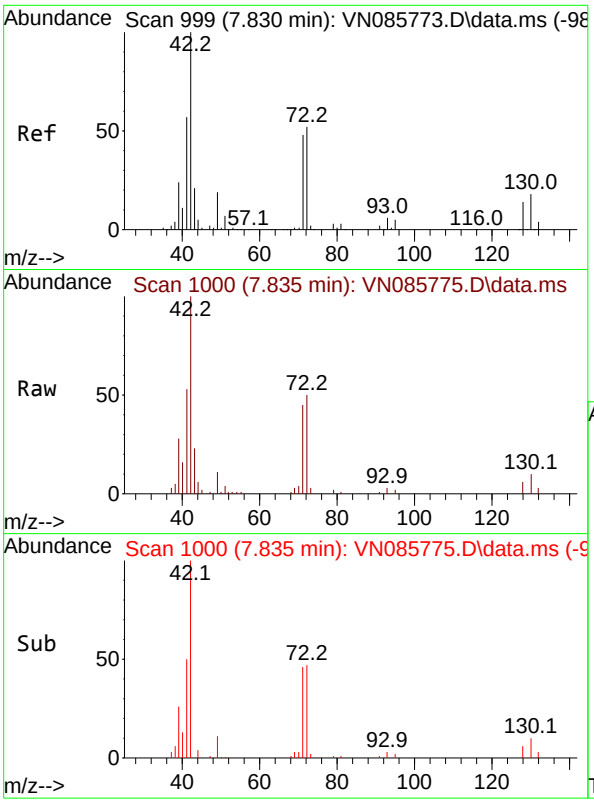


#28
Bromochloromethane
Concen: 7.609 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 49 Resp: 16276

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	84.4	68.0	102.0

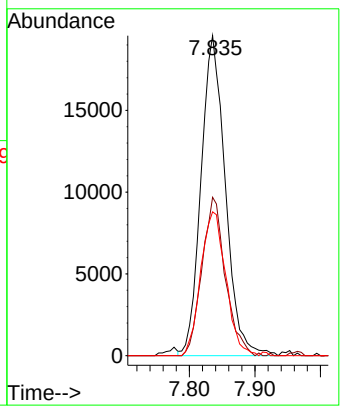




#29
Tetrahydrofuran
Concen: 55.039 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 42 Resp: 5047

Ion	Ratio	Lower	Upper
42	100		
72	47.8	40.0	60.0
71	46.2	37.0	55.4



Instrument :
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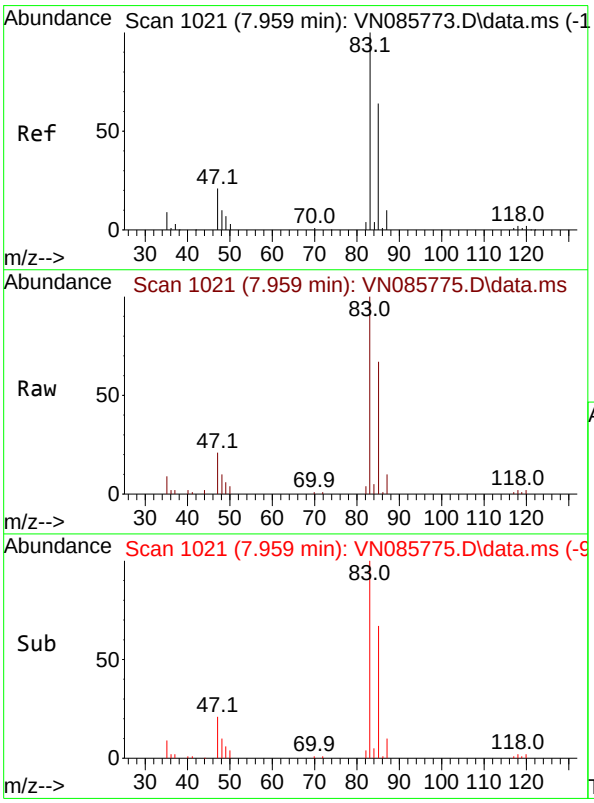
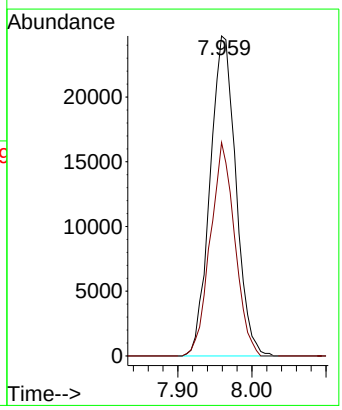
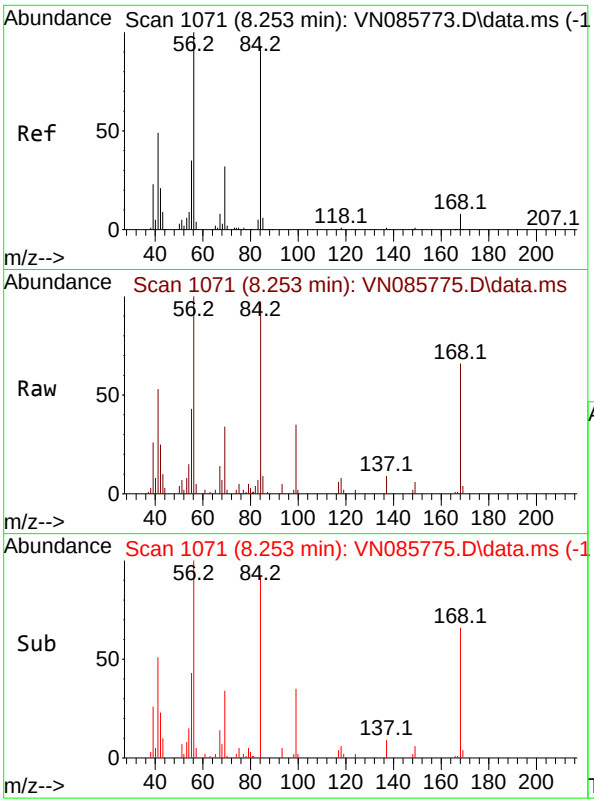


#30
Chloroform
Concen: 10.980 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 83 Resp: 59719

Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.9	76.3

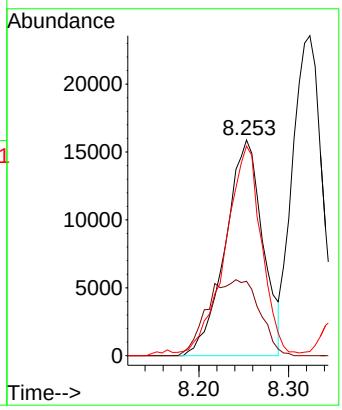




#31
Cyclohexane
Concen: 10.555 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 56 Resp: 4599

Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.8	38.6
84	95.6	74.5	111.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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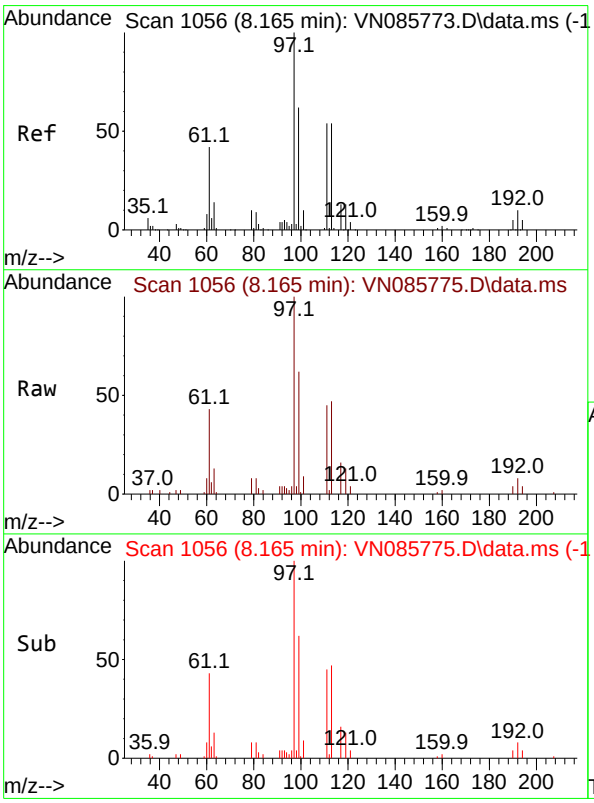
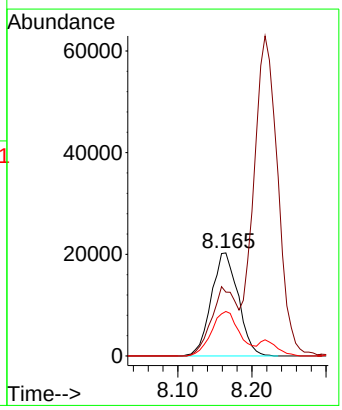
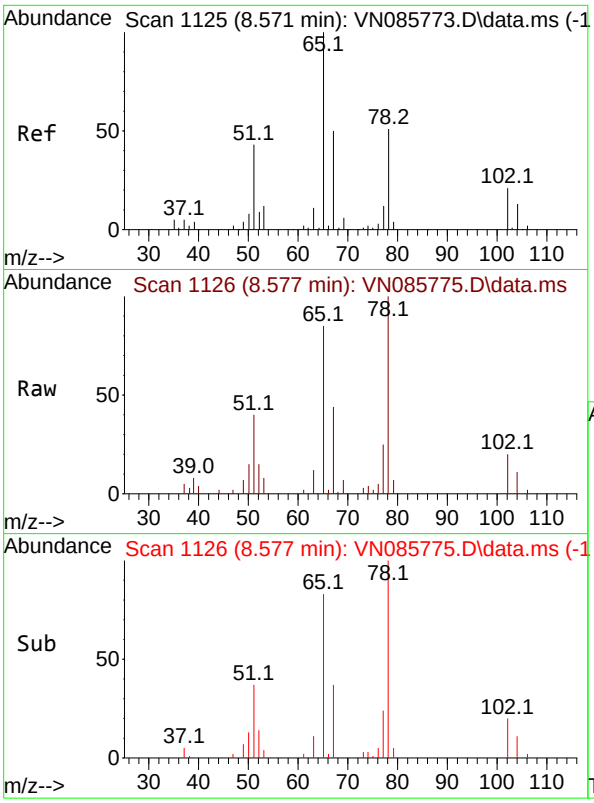


#32
1,1,1-Trichloroethane
Concen: 10.595 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 97 Resp: 51254

Ion	Ratio	Lower	Upper
97	100		
99	61.3	50.4	75.6
61	45.8	35.5	53.3

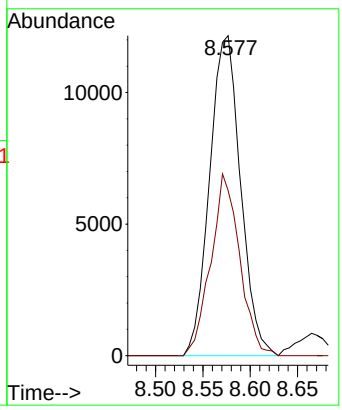




#33
1,2-Dichloroethane-d4
Concen: 9.064 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 65 Resp: 2765

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2



Instrument :
MSVOA_N
ClientSampleId :
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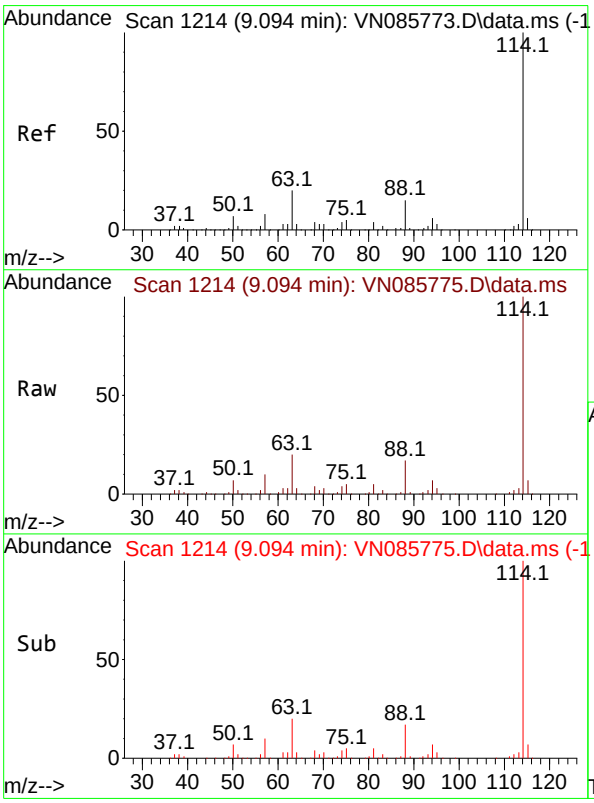
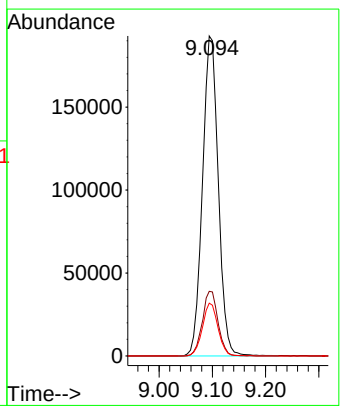
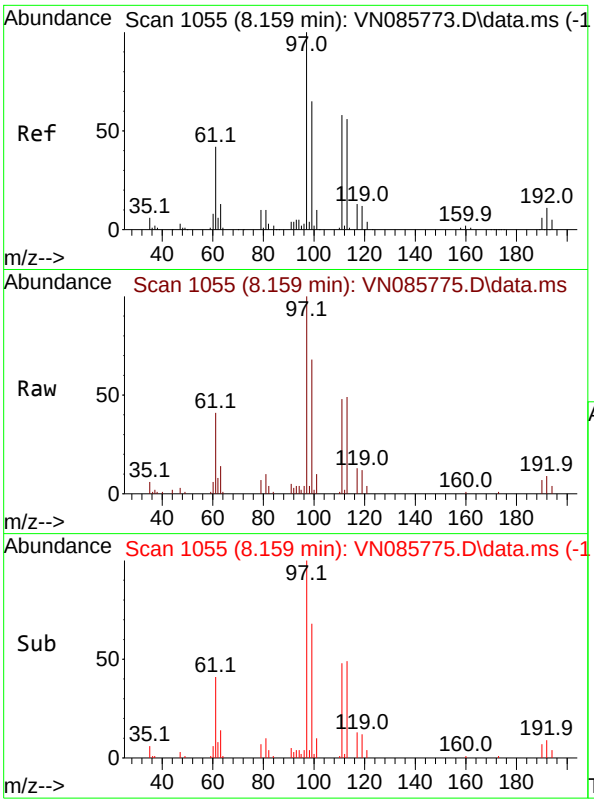


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:114 Resp: 397776

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.2
88	16.5	0.0	30.0

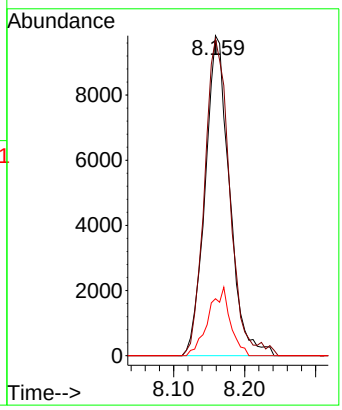




#35
Dibromofluoromethane
Concen: 8.972 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:113 Resp: 2335

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	19.2	14.7	22.1



Instrument :
MSVOA_N
ClientSampleId :
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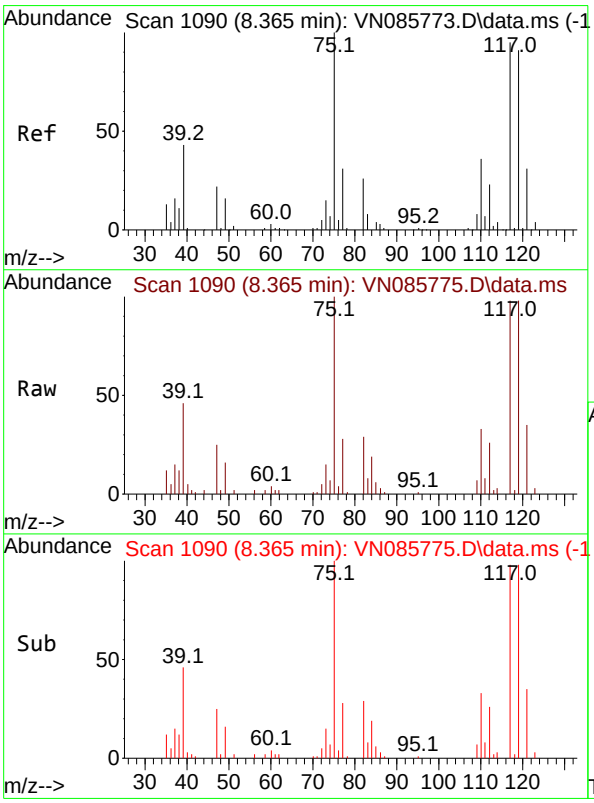
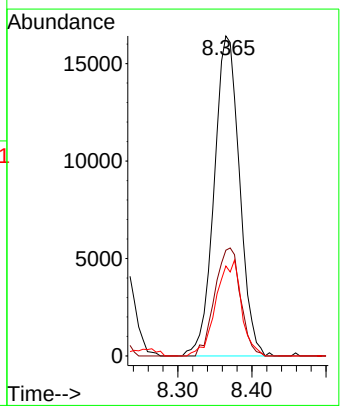
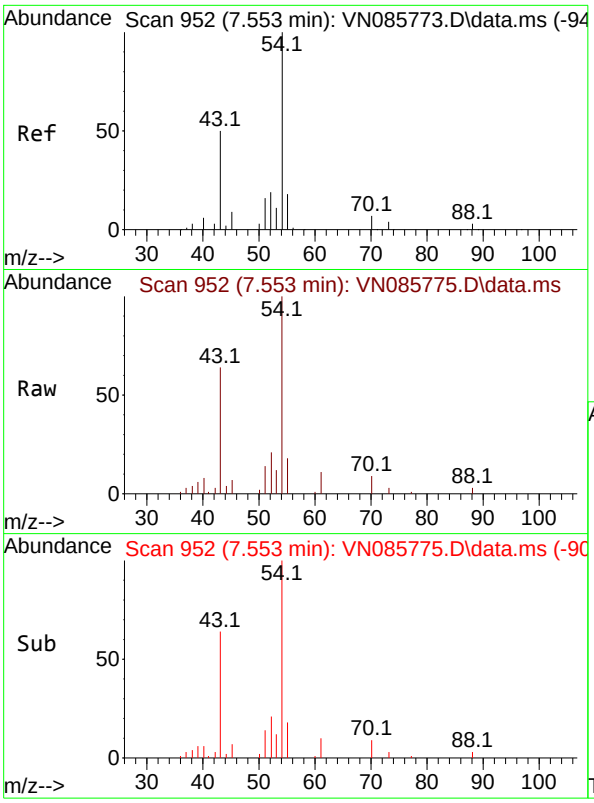


#36
1,1-Dichloropropene
Concen: 10.582 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 38983

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	29.9	24.6	37.0

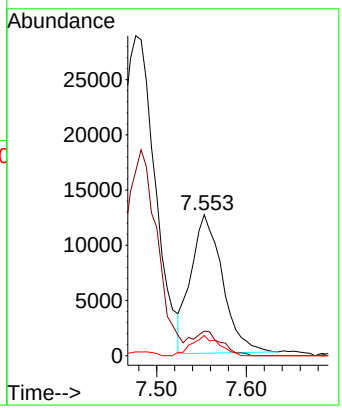




#37
Ethyl Acetate
Concen: 10.115 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 3066

Ion	Ratio	Lower	Upper
43	100		
61	13.0	12.2	18.2
70	12.6	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
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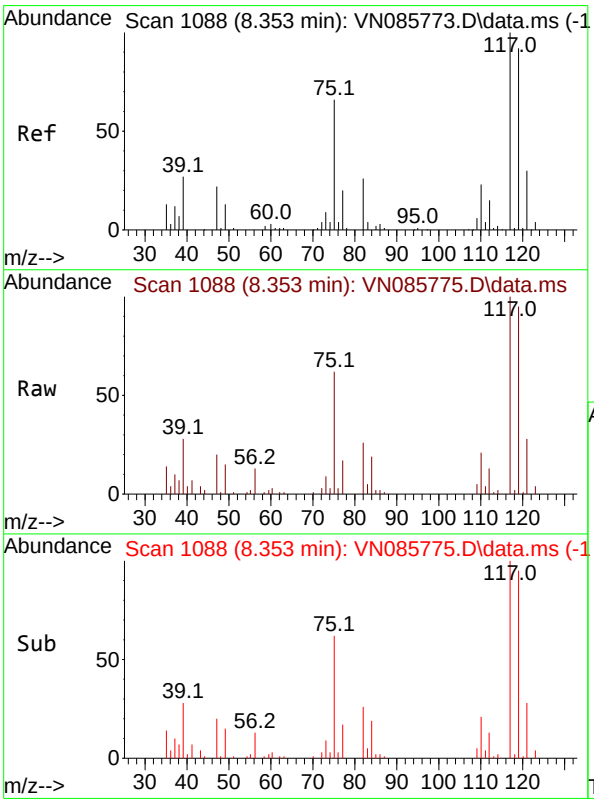
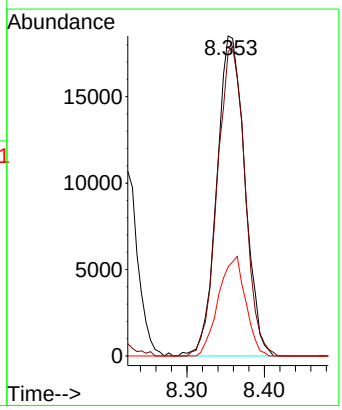
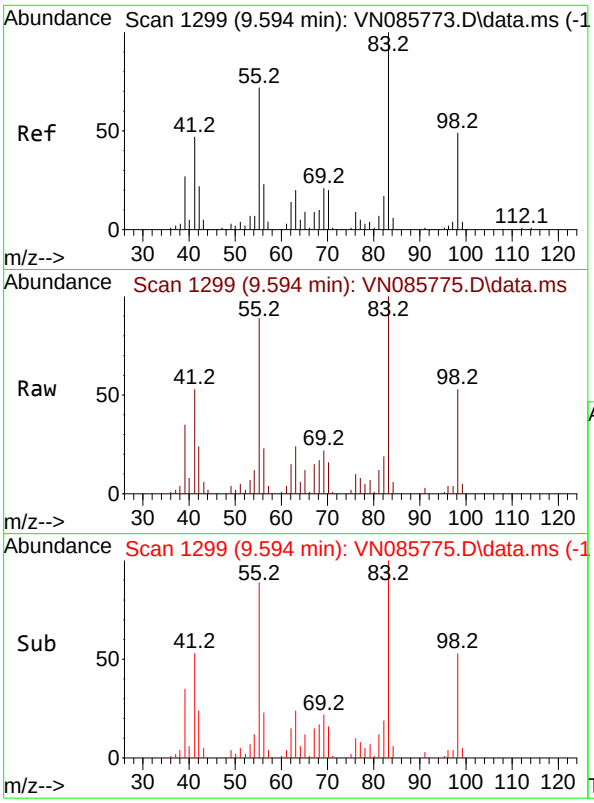


#38
Carbon Tetrachloride
Concen: 10.605 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:117 Resp: 46420

Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.8	110.6
121	27.8	24.3	36.5





#39
Methylcyclohexane
Concen: 9.803 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 83 Resp: 3547

Ion	Ratio	Lower	Upper
83	100		
55	89.3	57.5	86.3#
98	53.2	39.2	58.8

Instrument :
MSVOA_N
ClientSampleId :
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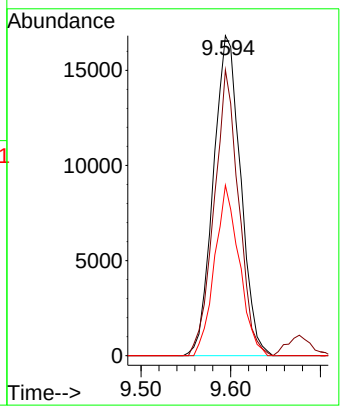
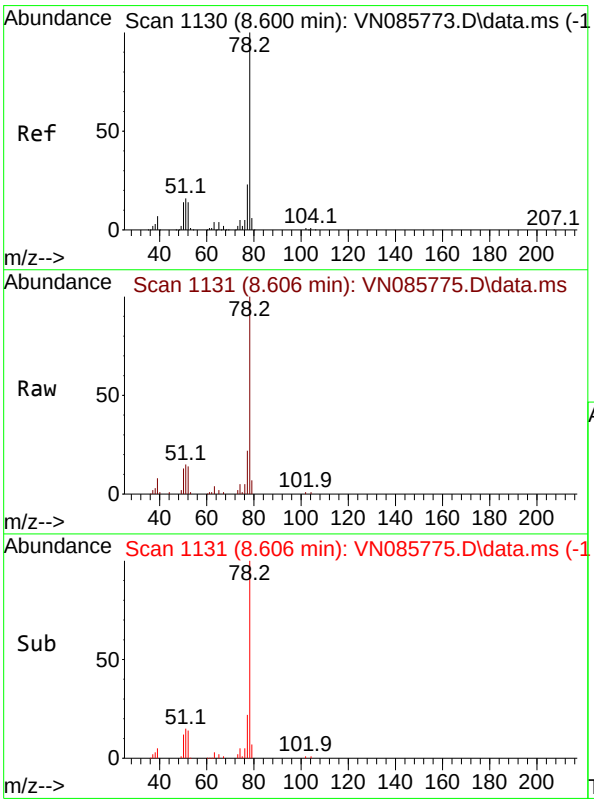
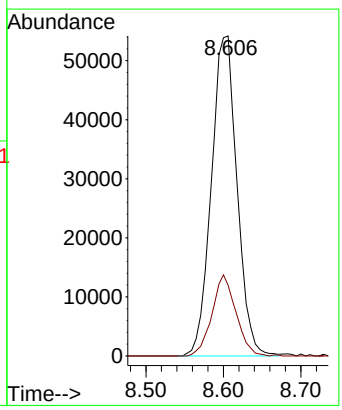


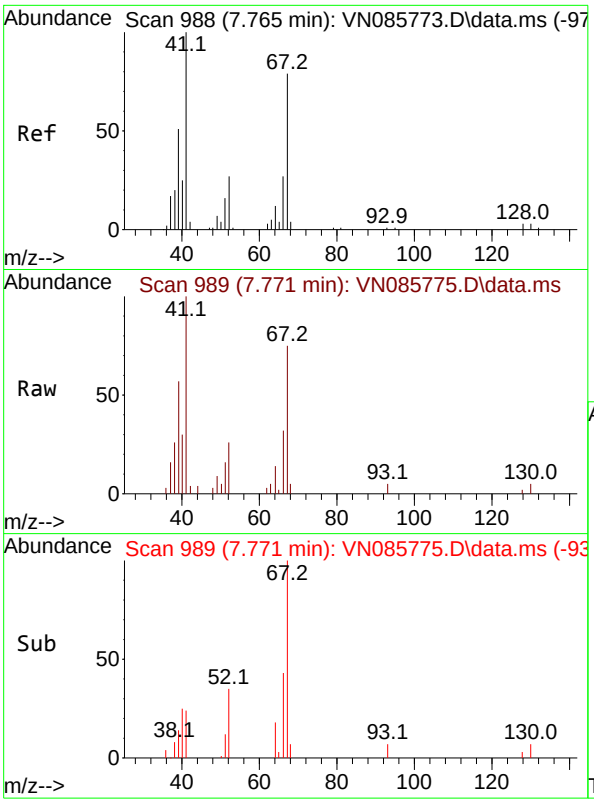


#40
Benzene
Concen: 10.562 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 78 Resp: 124704

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.3	27.5

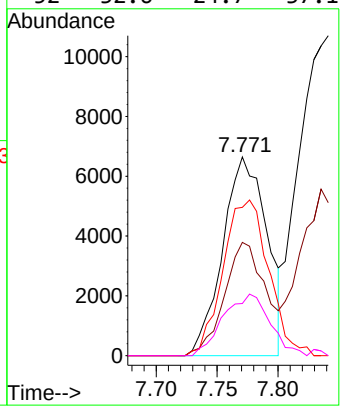




#41
Methacrylonitrile
Concen: 10.373 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 41 Resp: 1681

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.0	63.0
67	80.7	64.2	96.4
52	32.6	24.7	37.1



Instrument :
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ClientSampleId :
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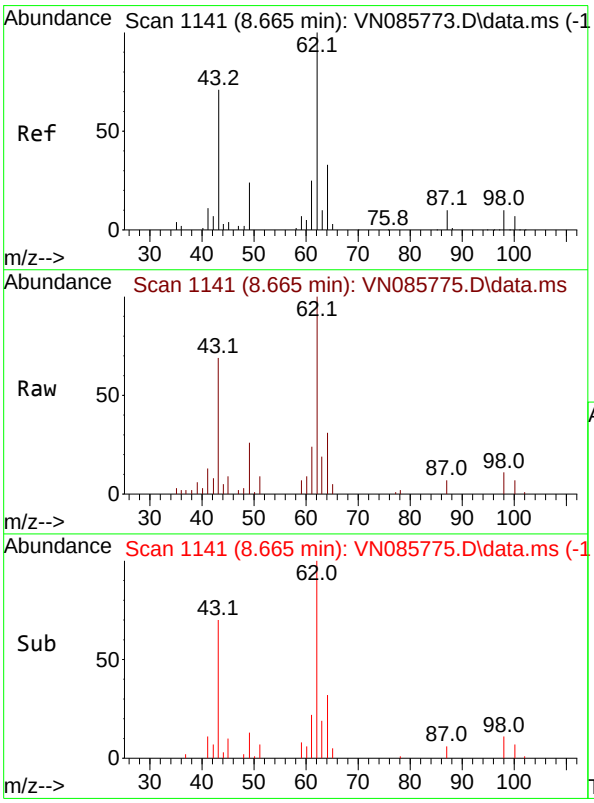
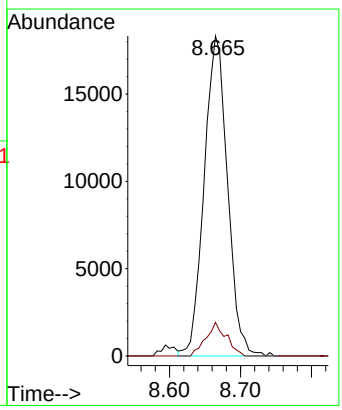
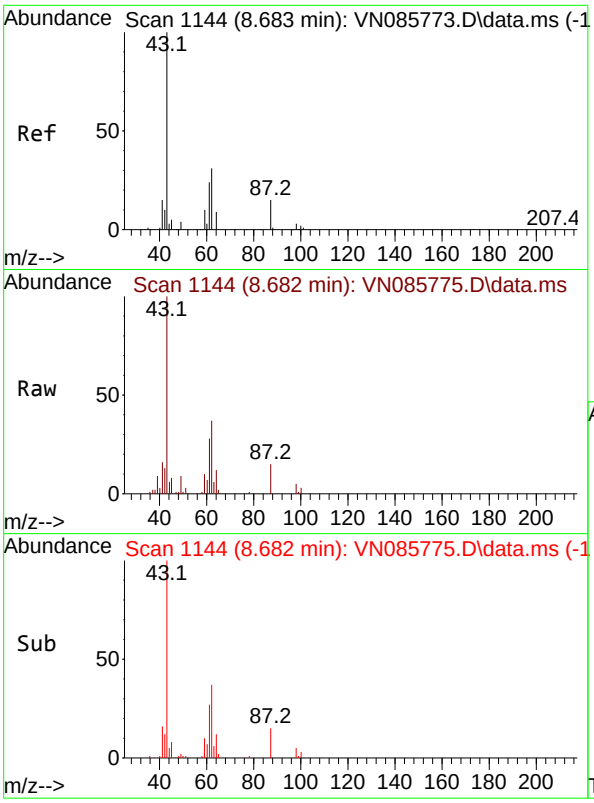


#42
1,2-Dichloroethane
Concen: 10.898 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 62 Resp: 41912

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.6





#43
Isopropyl Acetate
Concen: 11.001 ug/l
RT: 8.682 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 6079

Ion	Ratio	Lower	Upper
43	100		
61	25.9	22.6	34.0
87	12.7	11.8	17.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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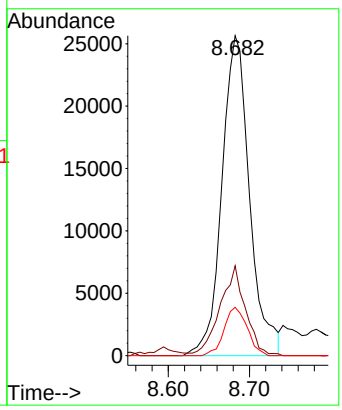
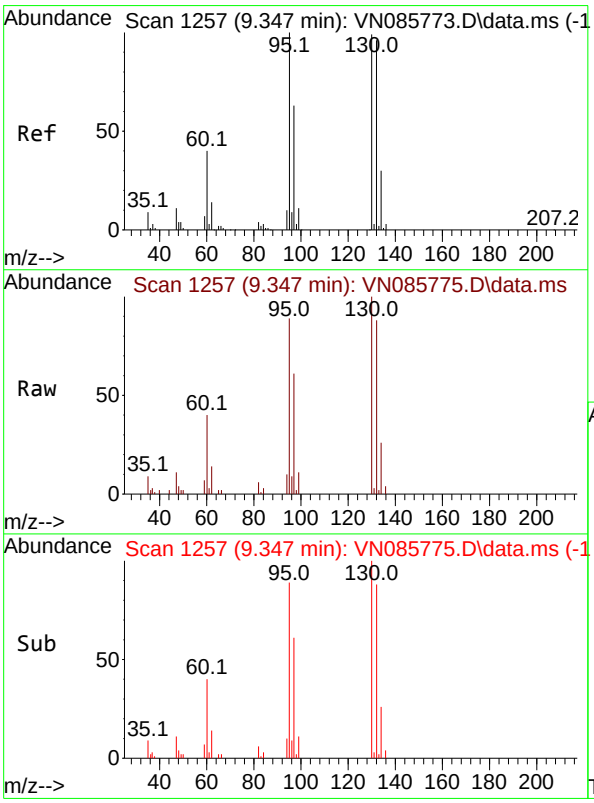
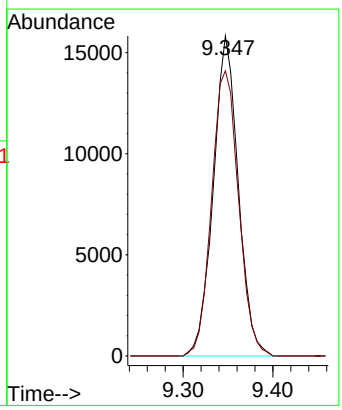


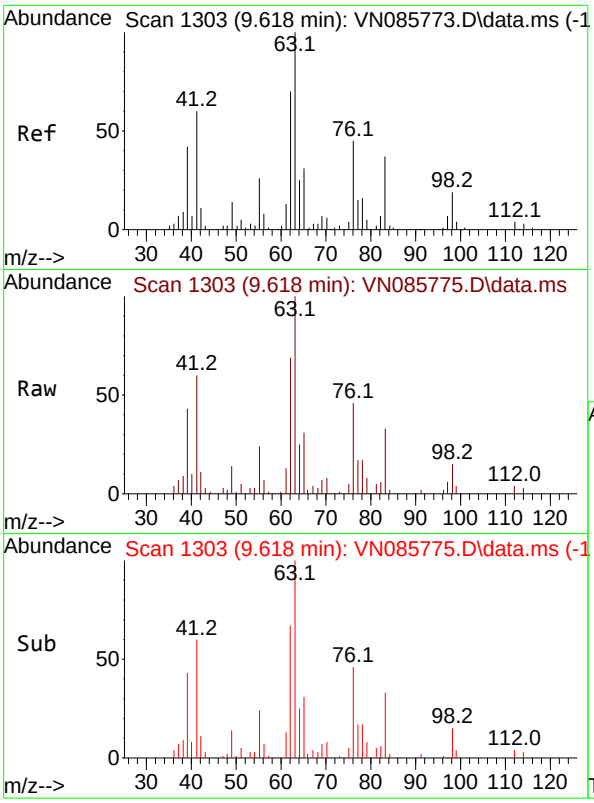


#44
Trichloroethene
Concen: 10.542 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:130 Resp: 30561

Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	202.6

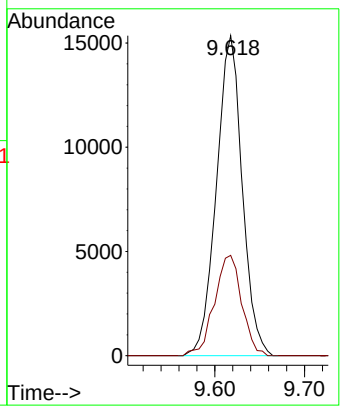




#45
1,2-Dichloropropane
Concen: 10.744 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 63 Resp: 3061

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.1	37.7



Instrument :
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ClientSampleId :
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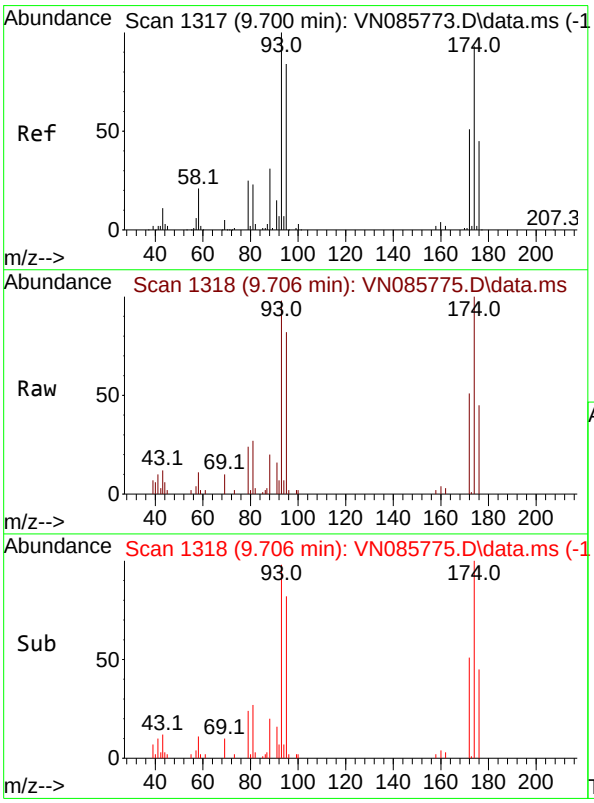
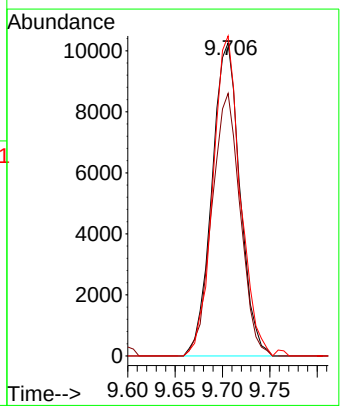
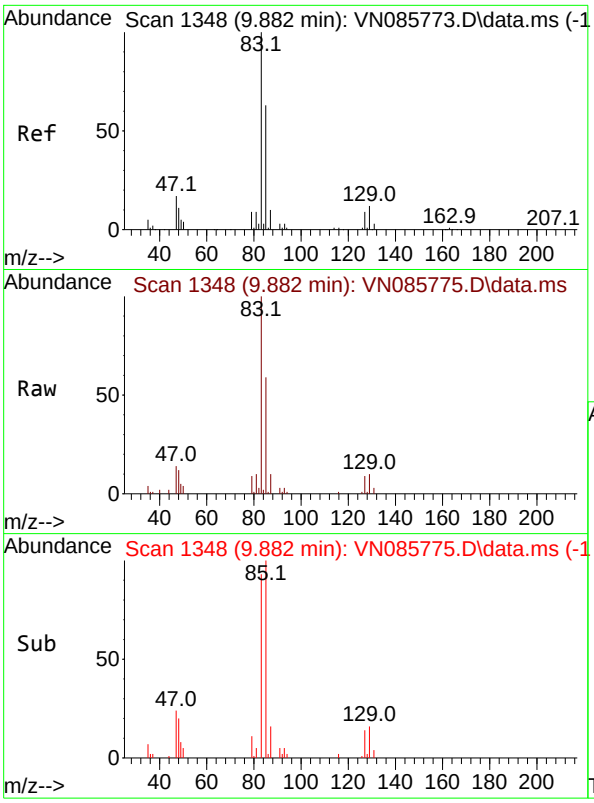


#46
Dibromomethane
Concen: 10.489 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 93 Resp: 21085

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	99.7	77.2	115.8

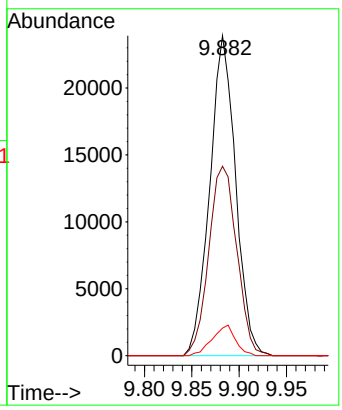




#47
Bromodichloromethane
Concen: 10.559 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 83 Resp: 4541

Ion	Ratio	Lower	Upper
83	100		
85	59.2	50.5	75.7
127	8.6	7.2	10.8



Instrument :
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ClientSampleId :
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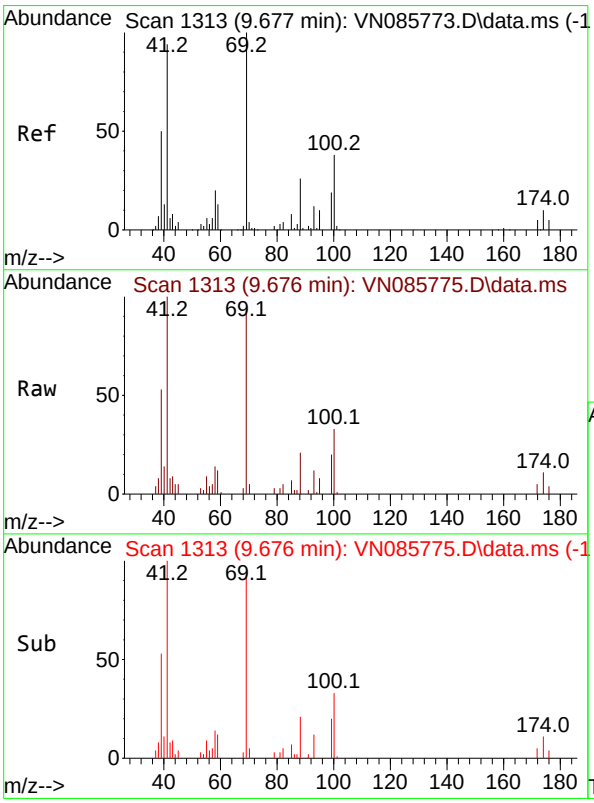
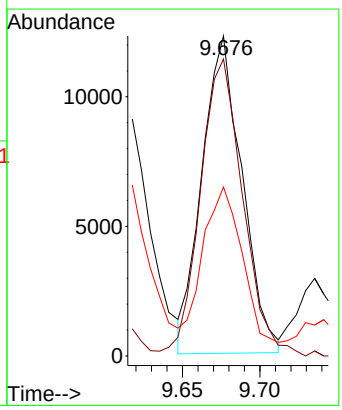
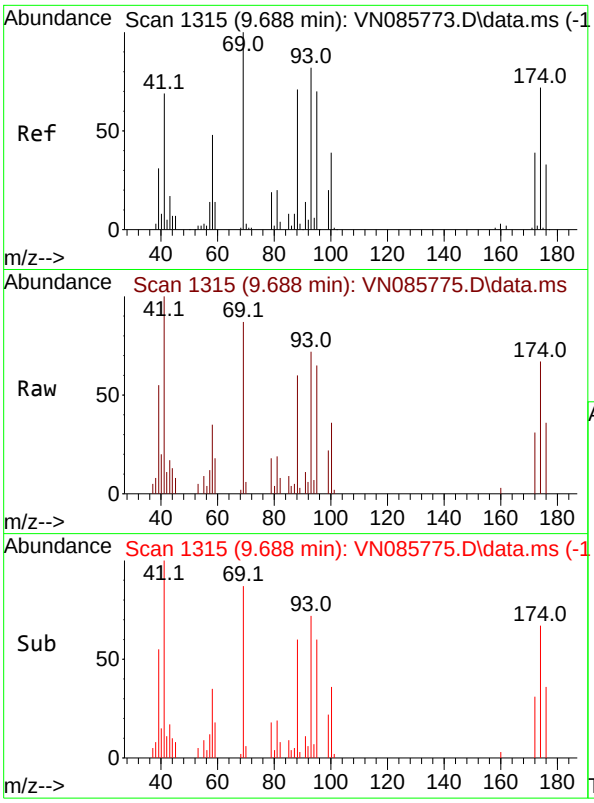


#48
Methyl methacrylate
Concen: 9.798 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 41 Resp: 22058

Ion	Ratio	Lower	Upper
41	100		
69	99.3	76.0	114.0
39	55.9	42.3	63.5

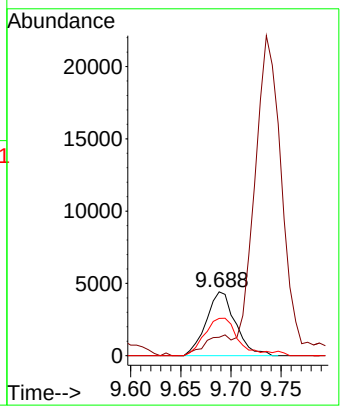




#49
1,4-Dioxane
Concen: 208.723 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 88 Resp: 893

Ion	Ratio	Lower	Upper
88	100		
43	28.6	18.6	27.8
58	68.4	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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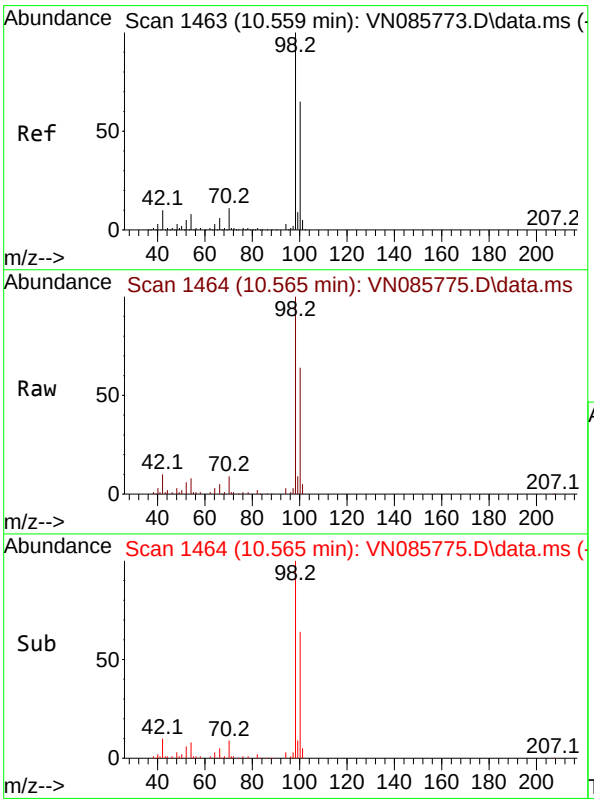
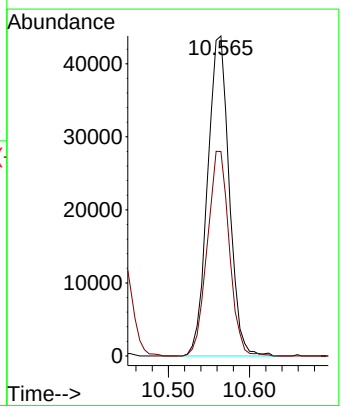
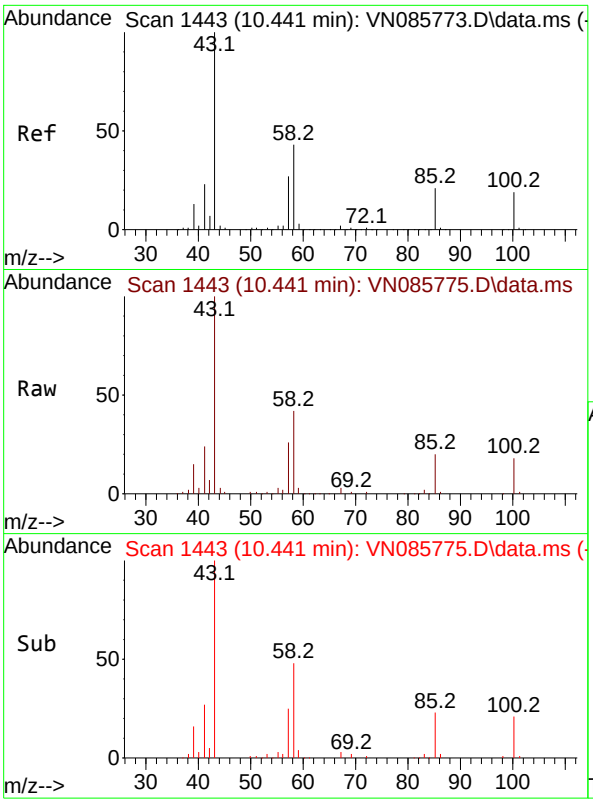


#50
Toluene-d8
Concen: 8.542 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 98 Resp: 80889

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 53.302 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 15578

Ion	Ratio	Lower	Upper
43	100		
58	41.8	34.6	52.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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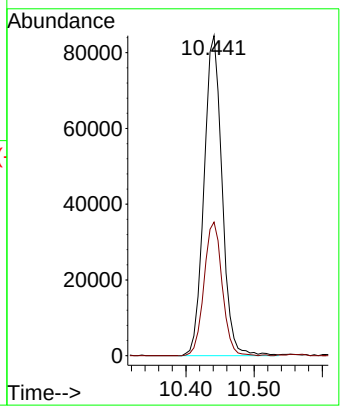
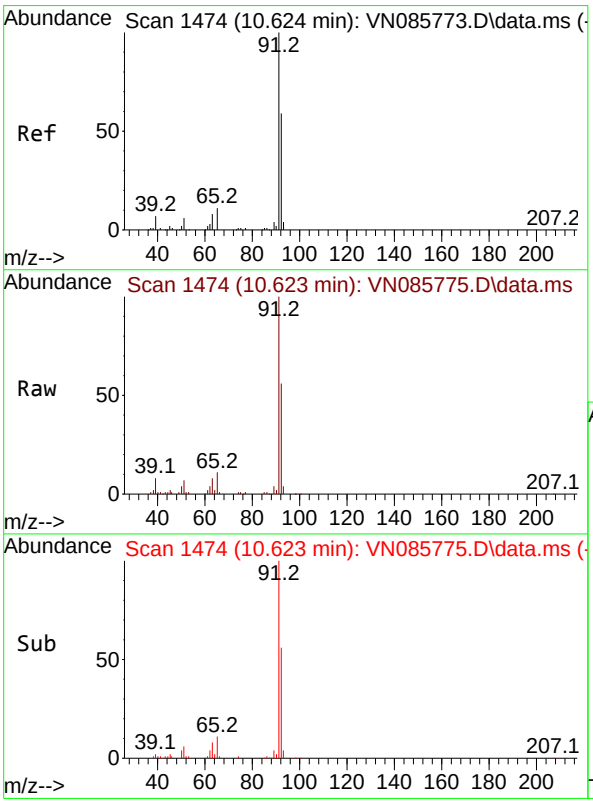
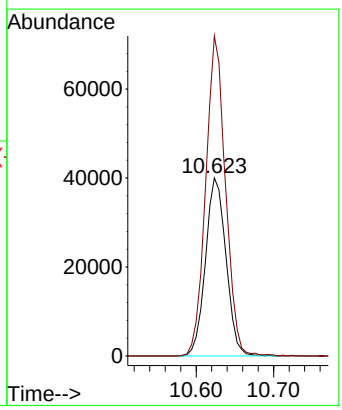


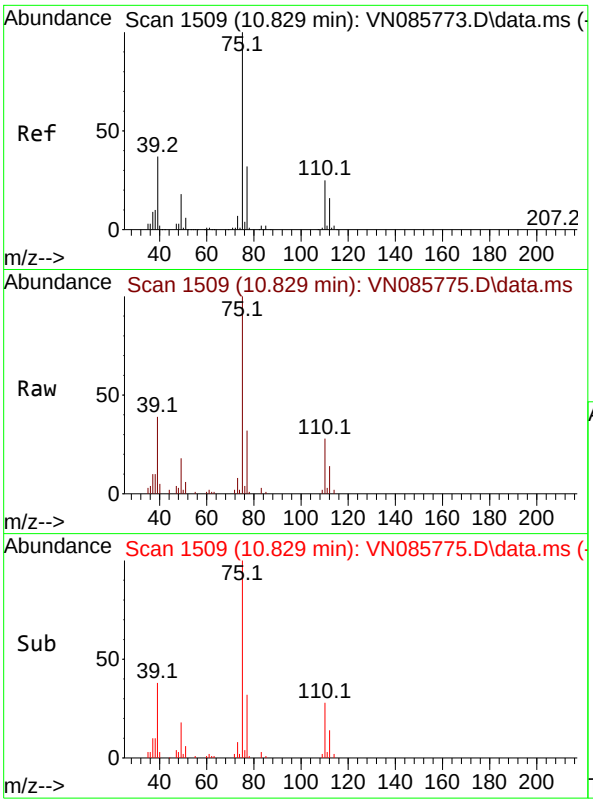


#52
Toluene
Concen: 10.622 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 92 Resp: 73516

Ion	Ratio	Lower	Upper
92	100		
91	173.5	136.9	205.3

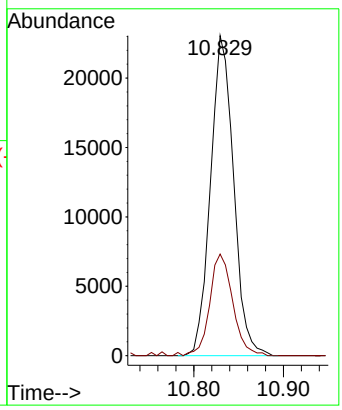




#53
t-1,3-Dichloropropene
Concen: 10.367 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 4123

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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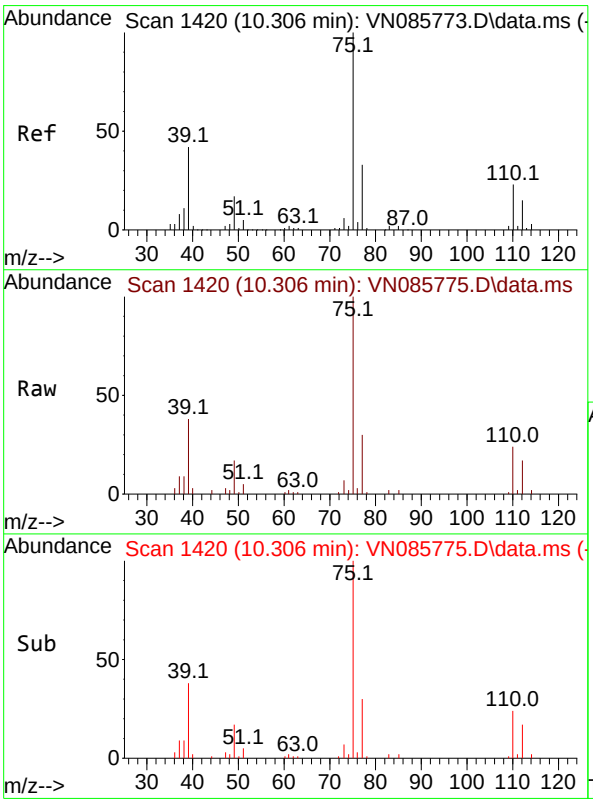
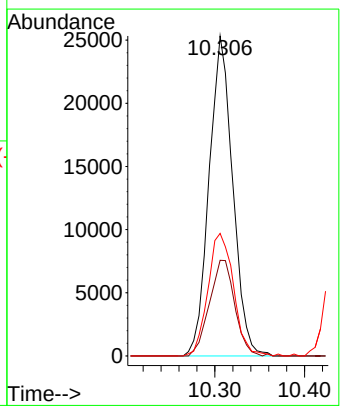
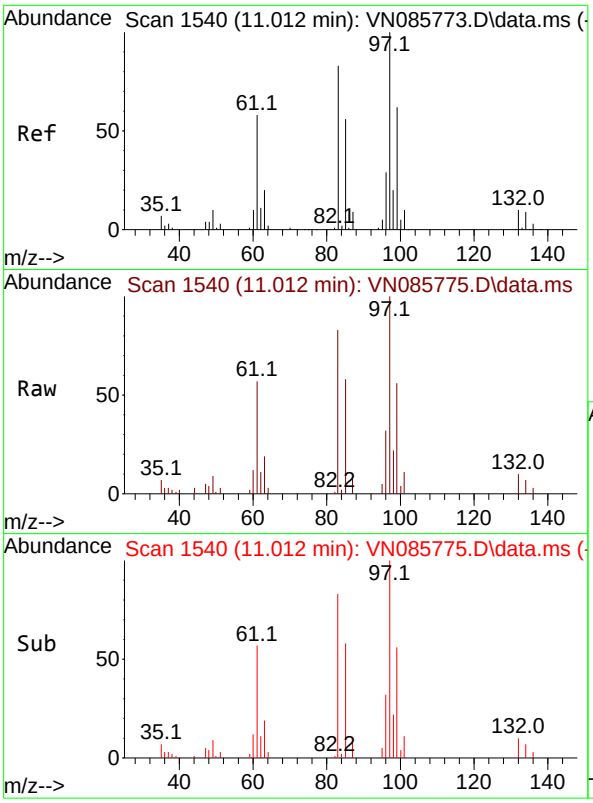


#54
cis-1,3-Dichloropropene
Concen: 10.617 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 46300

Ion	Ratio	Lower	Upper
75	100		
77	29.9	26.1	39.1
39	38.3	33.4	50.0

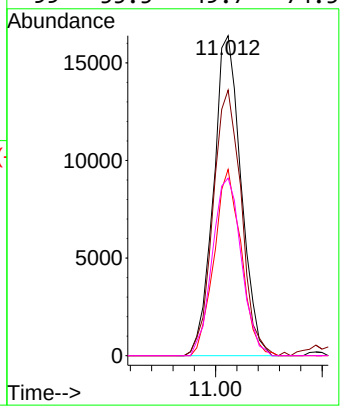




#55
1,1,2-Trichloroethane
Concen: 10.687 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 97 Resp: 2940

Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.1	99.1
85	58.2	44.7	67.1
99	55.5	49.7	74.5



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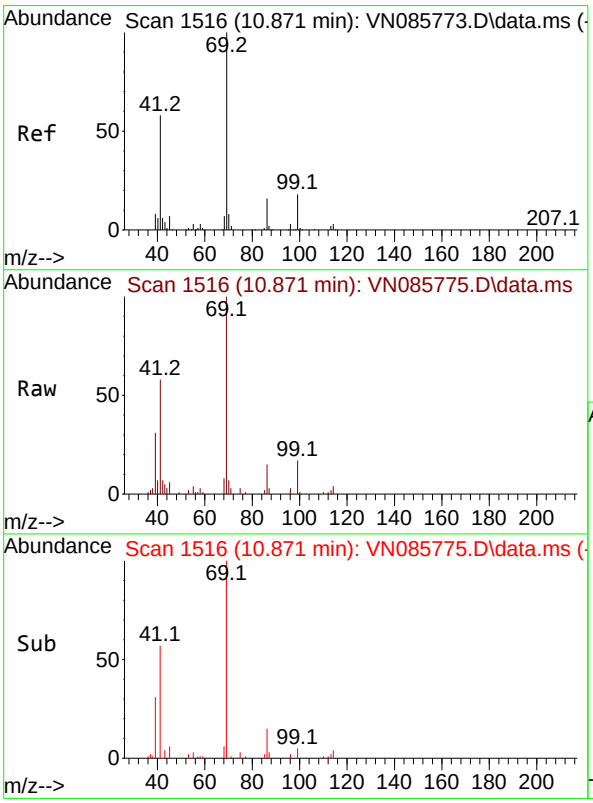
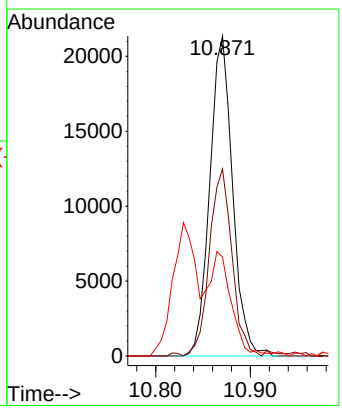
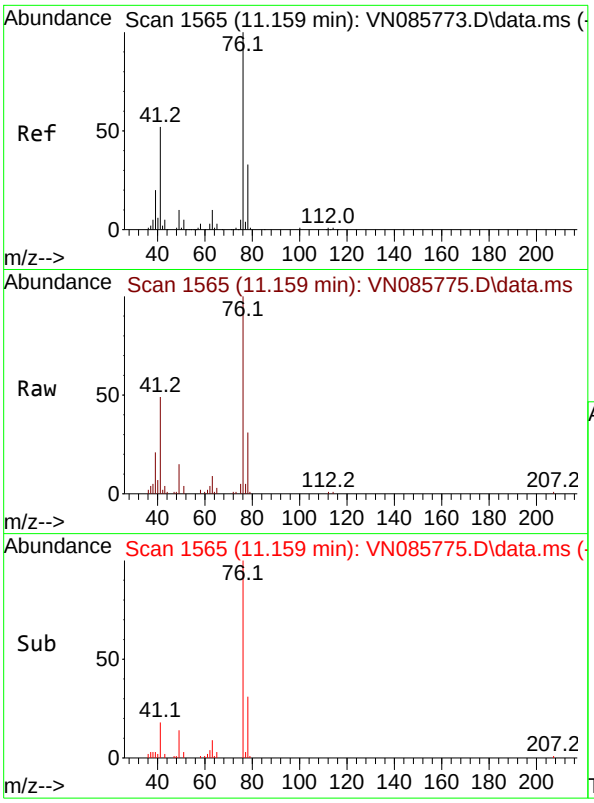


#56
Ethyl methacrylate
Concen: 10.274 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 69 Resp: 35641

Ion	Ratio	Lower	Upper
69	100		
41	58.2	46.0	69.0
39	27.6	22.0	33.0

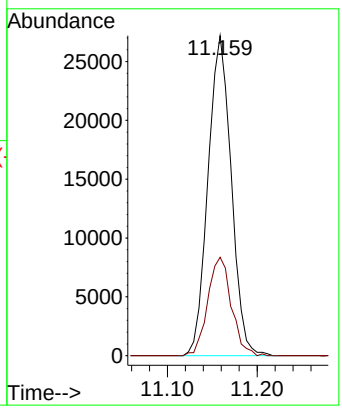




#57
1,3-Dichloropropane
Concen: 10.647 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 76 Resp: 4890

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.9	38.9



Instrument :
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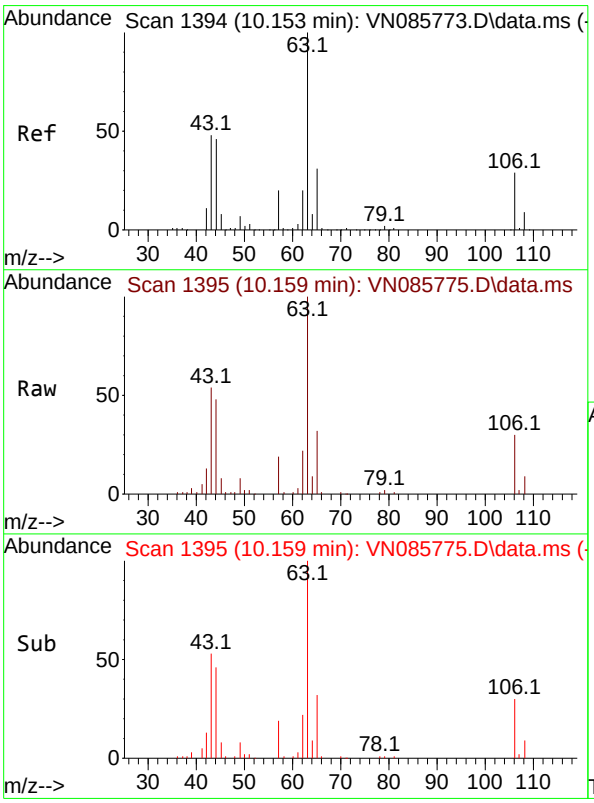
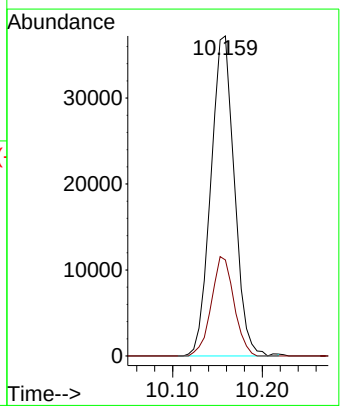
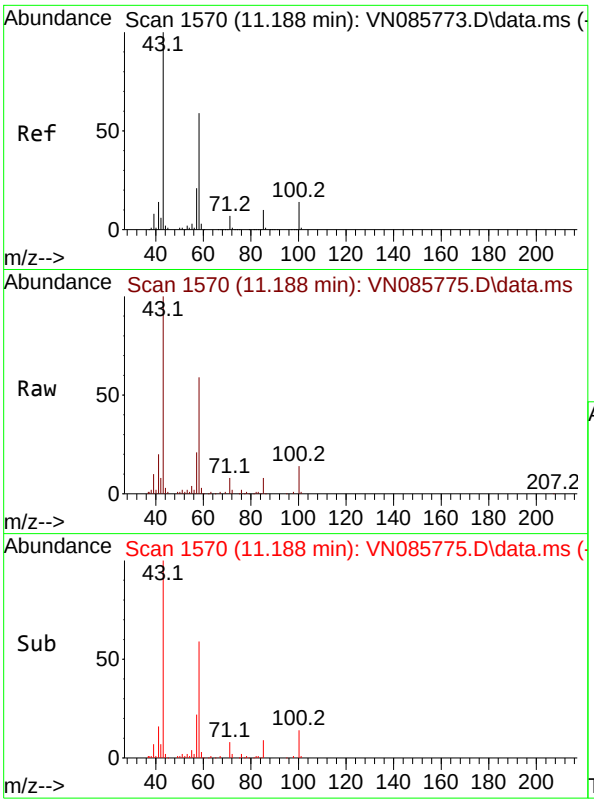


#58
2-Chloroethyl Vinyl ether
Concen: 47.108 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 63 Resp: 67791

Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.7	34.1





#59
2-Hexanone
Concen: 52.609 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 10578

Ion	Ratio	Lower	Upper
43	100		
58	57.7	29.8	89.5

Instrument :
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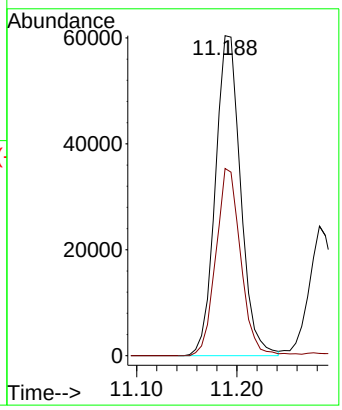
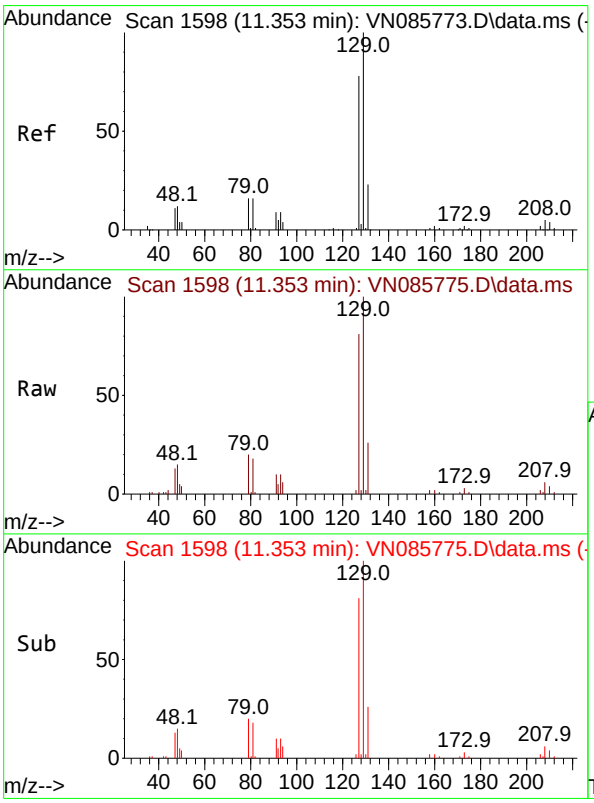
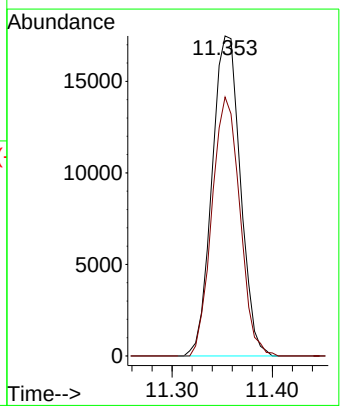


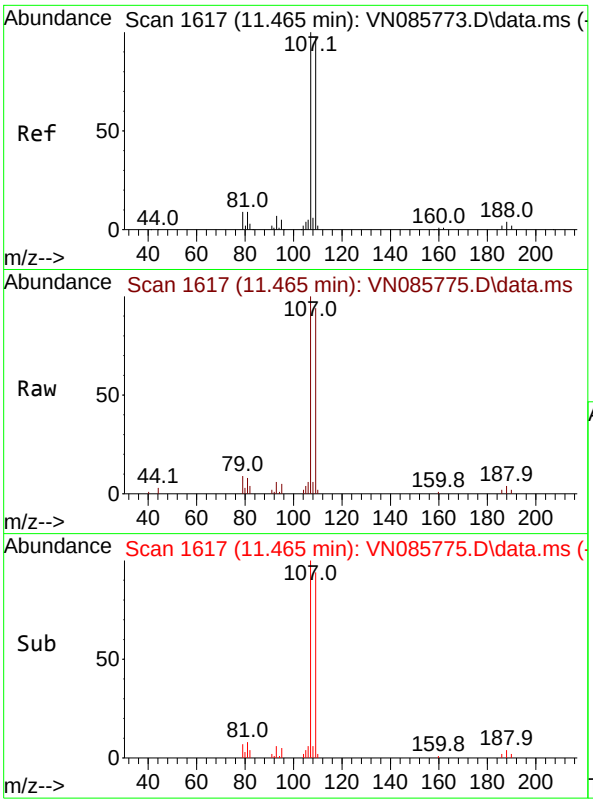


#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:129 Resp: 34267

Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.1	117.5

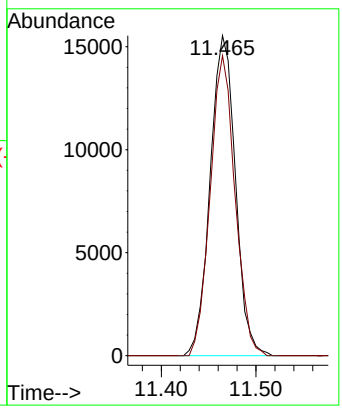




#61
1,2-Dibromoethane
Concen: 11.073 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:107 Resp: 2878

Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.0	114.0



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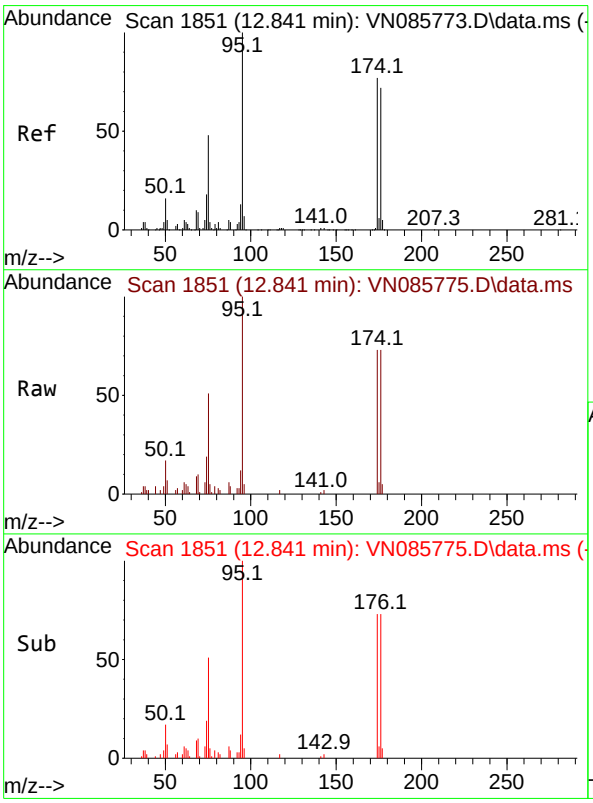
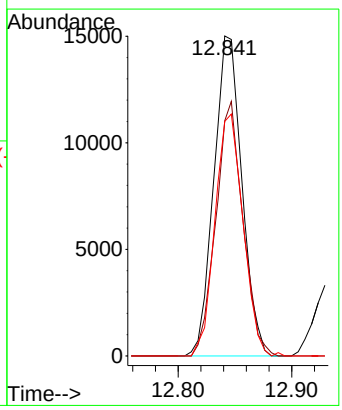
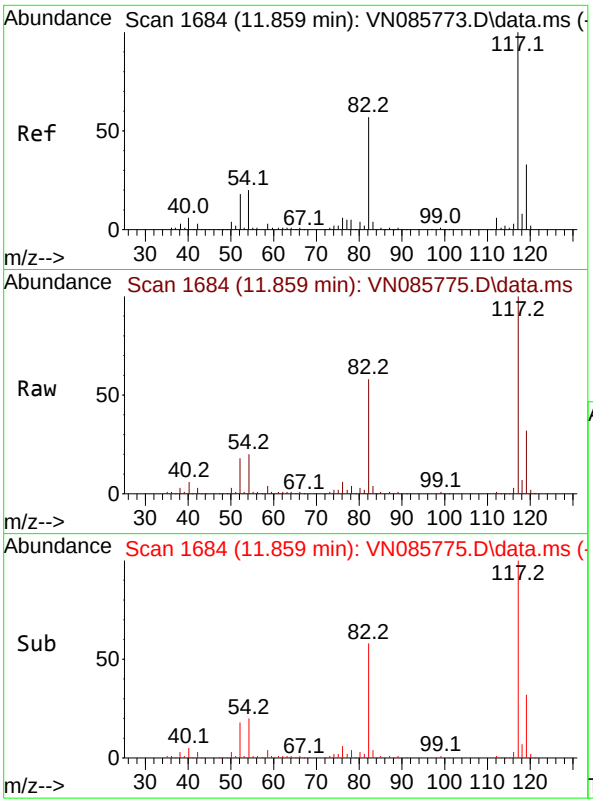


#62
4-Bromofluorobenzene
Concen: 8.236 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 95 Resp: 25697

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	152.4
176	75.9	0.0	146.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:117 Resp: 33968

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.7	68.5
119	32.0	26.2	39.2

Instrument :
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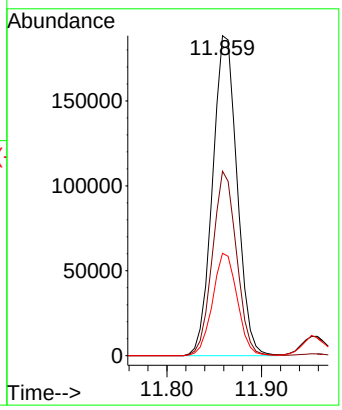
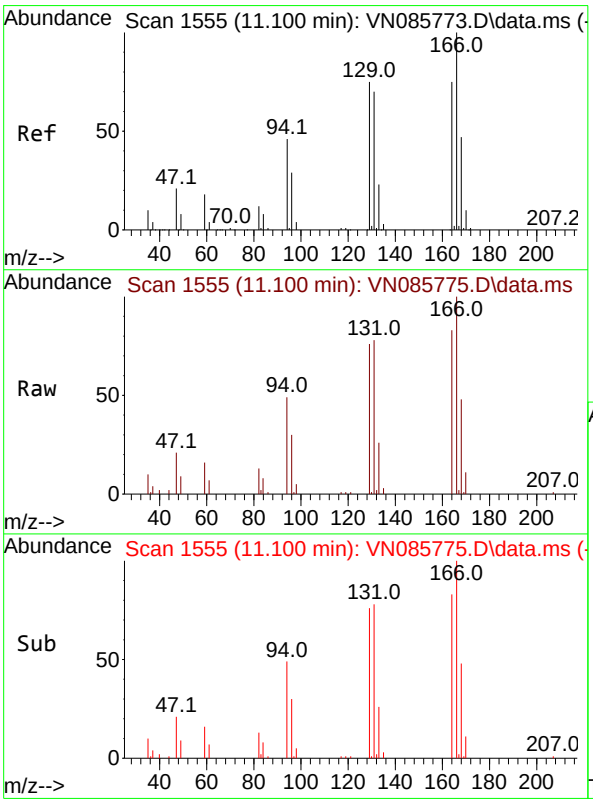
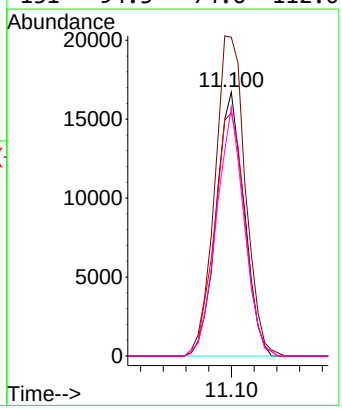


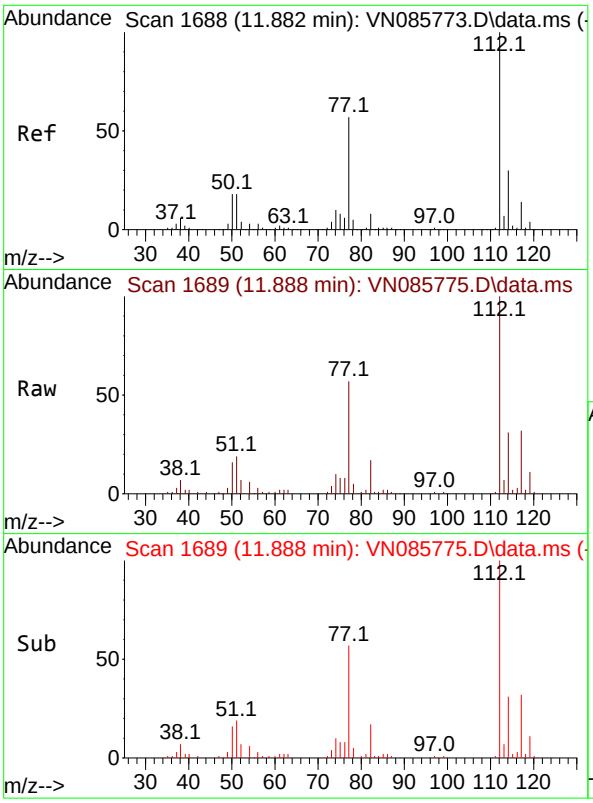


#64
Tetrachloroethene
Concen: 10.855 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:164 Resp: 28564

Ion	Ratio	Lower	Upper
164	100		
166	120.8	107.2	160.8
129	92.1	80.7	121.1
131	94.3	74.6	112.0

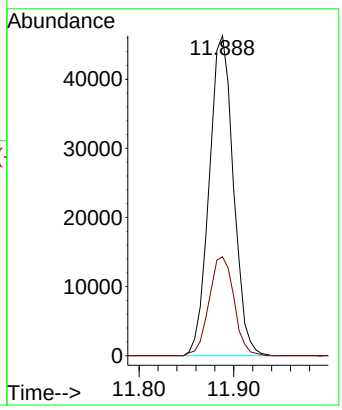




#65
Chlorobenzene
Concen: 10.585 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:112 Resp: 8236

Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.3	36.5



Instrument :
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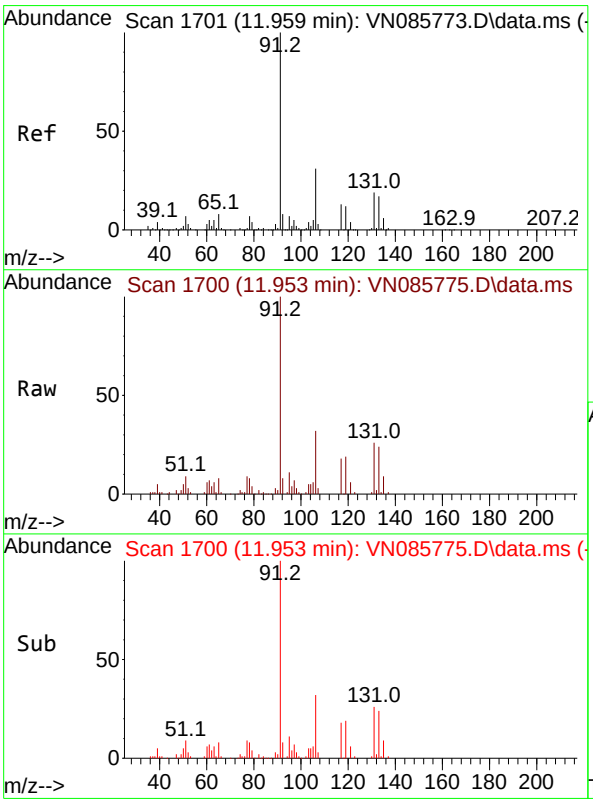
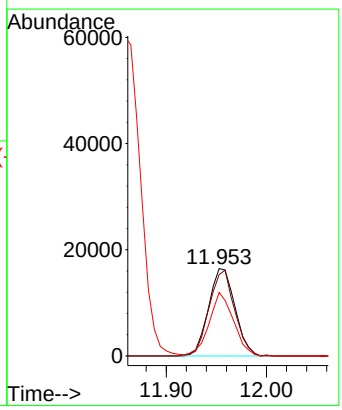
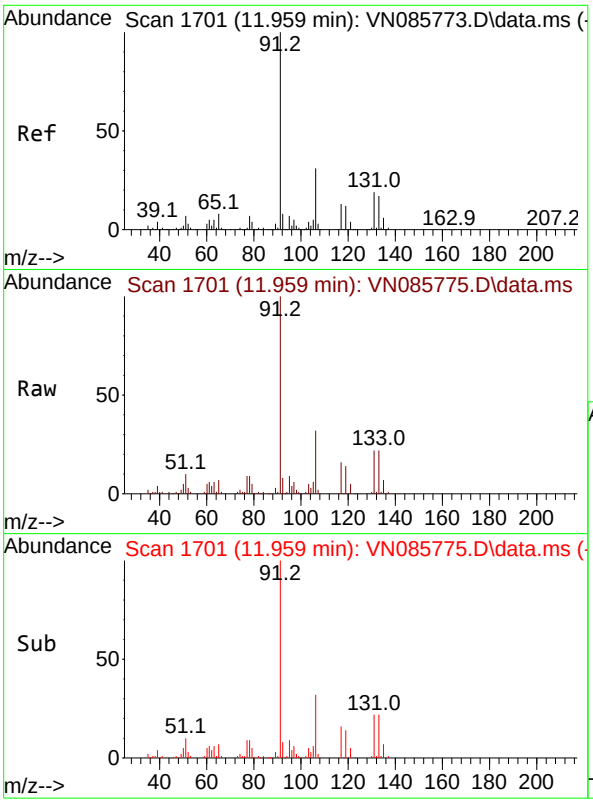


#66
1,1,1,2-Tetrachloroethane
Concen: 10.773 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:131 Resp: 30133

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.7	143.1
119	66.8	33.3	99.8

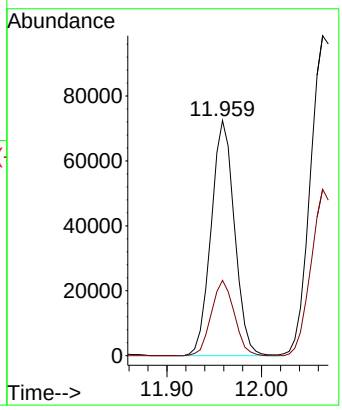




#67
Ethyl Benzene
Concen: 10.199 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 91 Resp: 12432

Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.7	37.1



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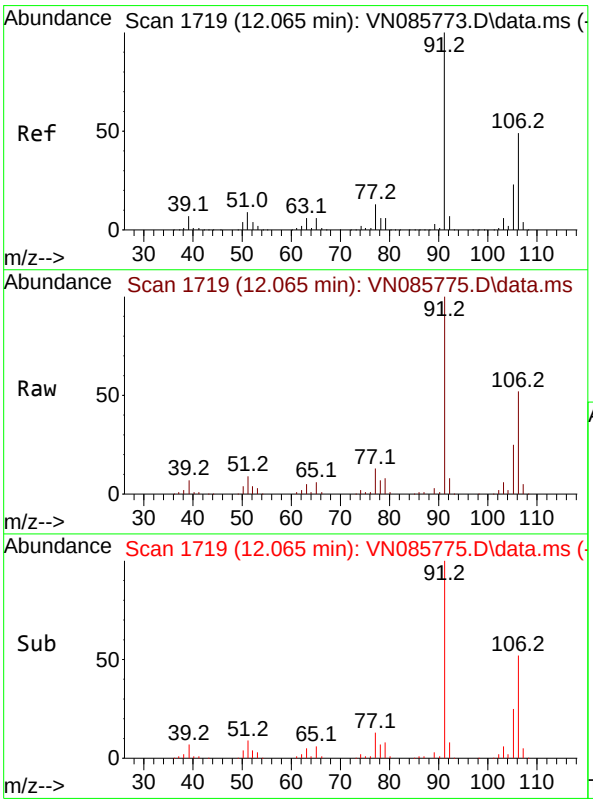
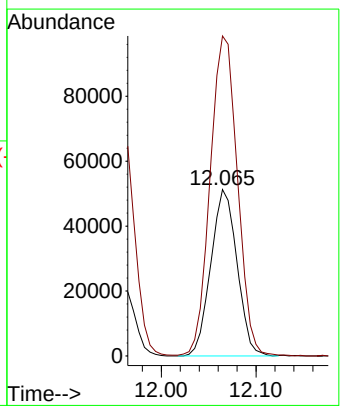
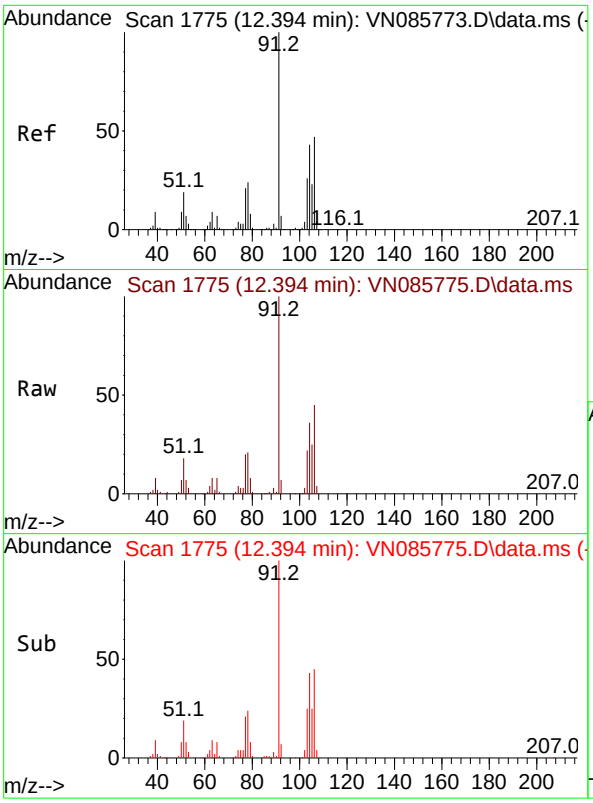


#68
m/p-Xylenes
Concen: 21.290 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:106 Resp: 98574

Ion	Ratio	Lower	Upper
106	100		
91	200.5	163.3	244.9





#69
o-Xylene
Concen: 10.287 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:106 Resp: 4526

Ion	Ratio	Lower	Upper
106	100		
91	214.9	107.1	321.4

Instrument :
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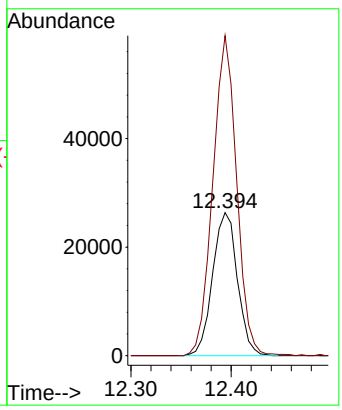
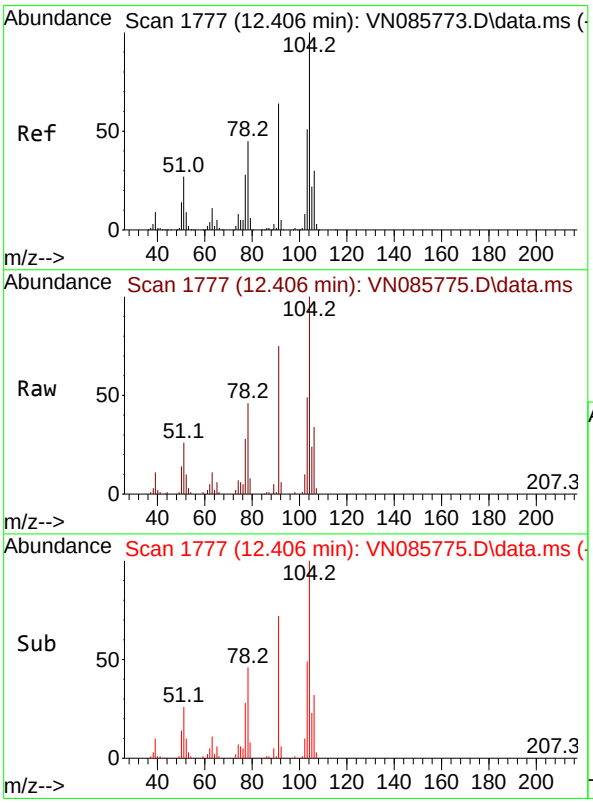
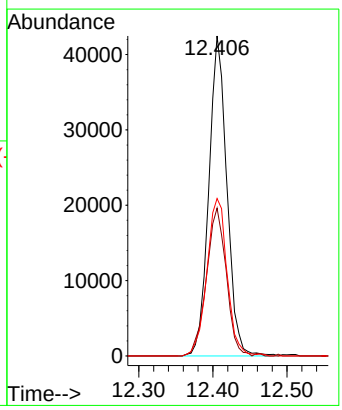


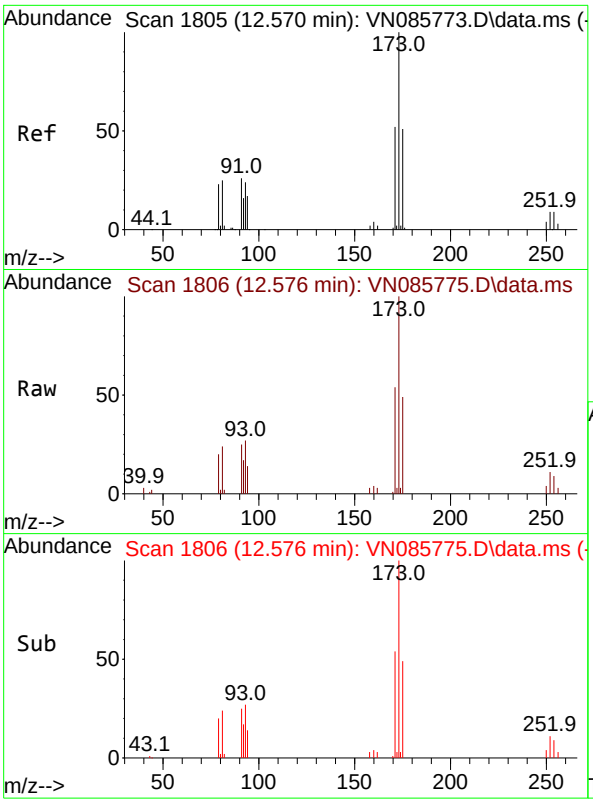


#70
Styrene
Concen: 9.994 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:104 Resp: 72044

Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.0	58.6
103	55.1	43.3	64.9

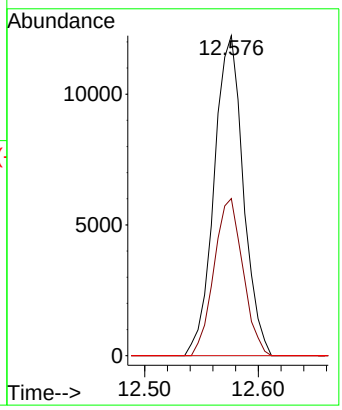




#71
Bromoform
Concen: 10.529 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:173 Resp: 2188

Ion	Ratio	Lower	Upper
173	100		
175	48.6	25.1	75.4
254	0.0	0.0	0.0



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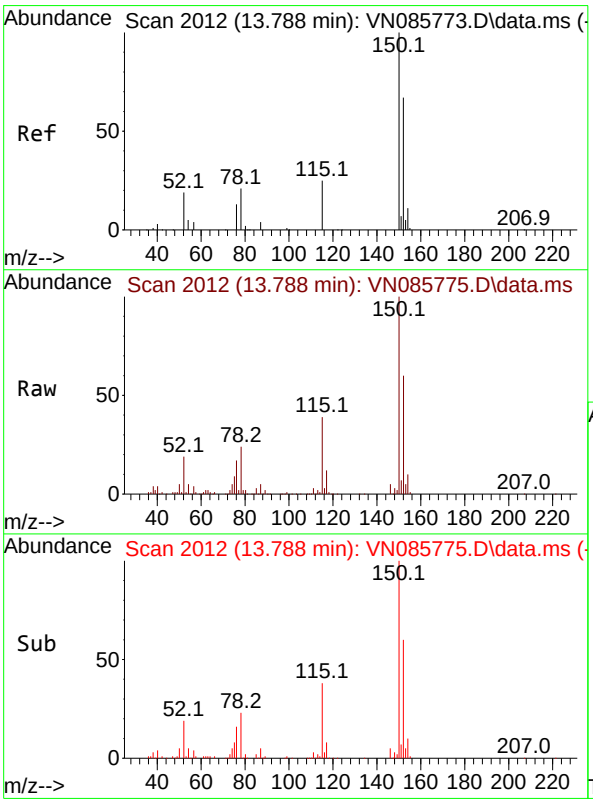
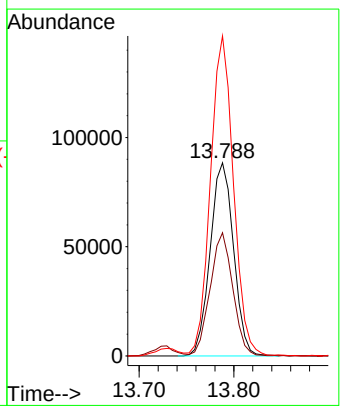
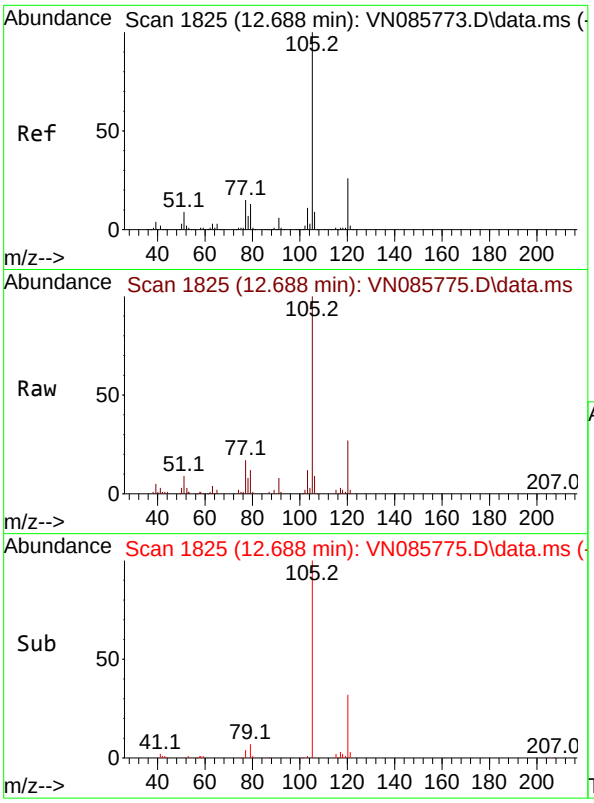


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:152 Resp: 151740

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.4	91.3
150	163.2	0.0	345.4

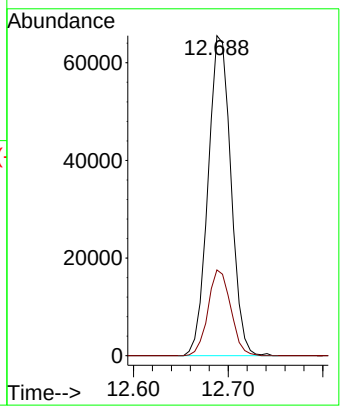




#73
Isopropylbenzene
Concen: 10.576 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:105 Resp: 10994

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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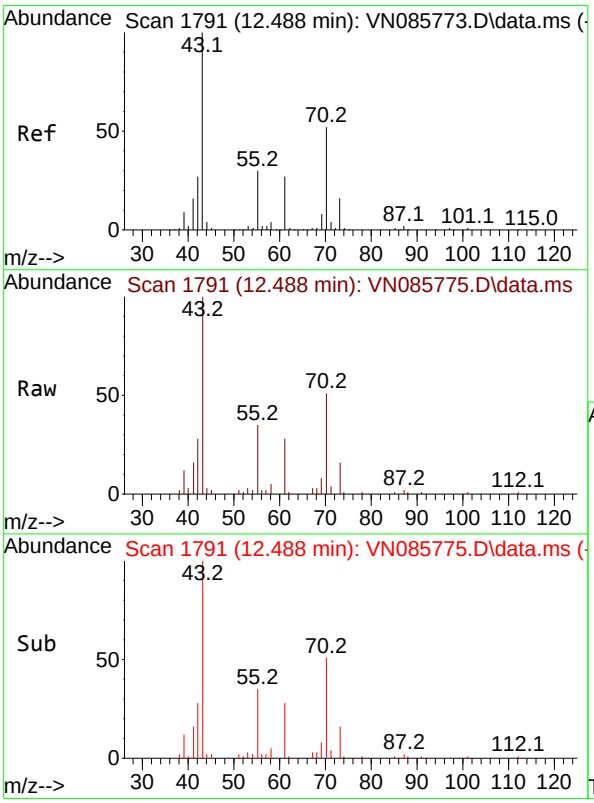
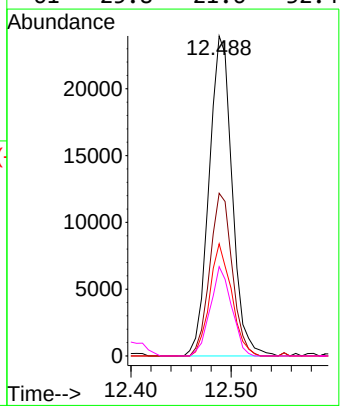
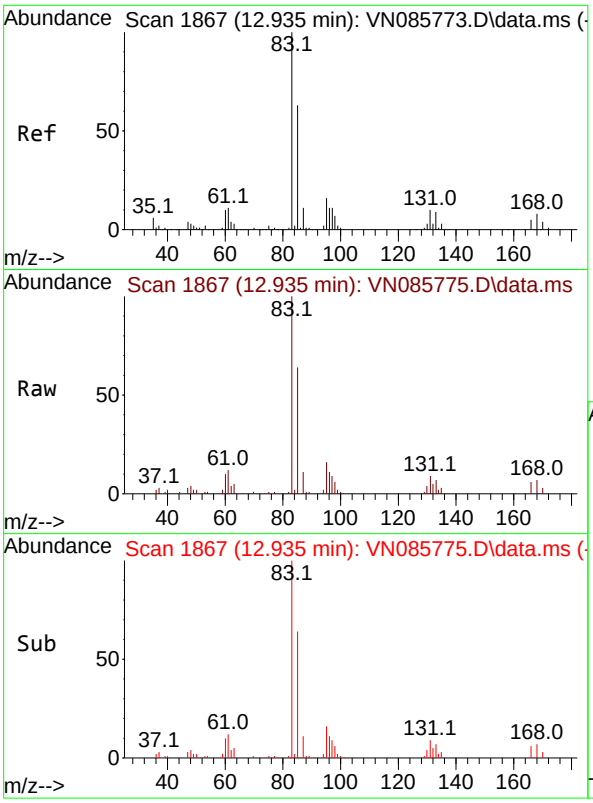


#74
N-amyl acetate
Concen: 10.452 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 38318

Ion	Ratio	Lower	Upper
43	100		
70	49.4	41.0	61.4
55	33.3	24.6	36.8
61	25.8	21.6	32.4

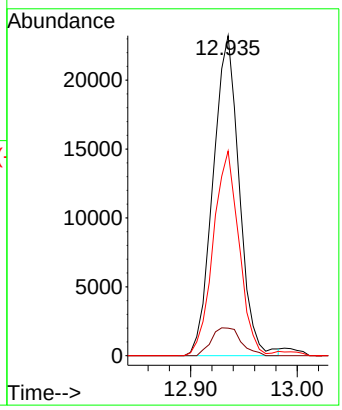




#75
1,1,2,2-Tetrachloroethane
Concen: 11.063 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 83 Resp: 3957

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	15.0
85	63.3	32.2	96.6



Instrument :
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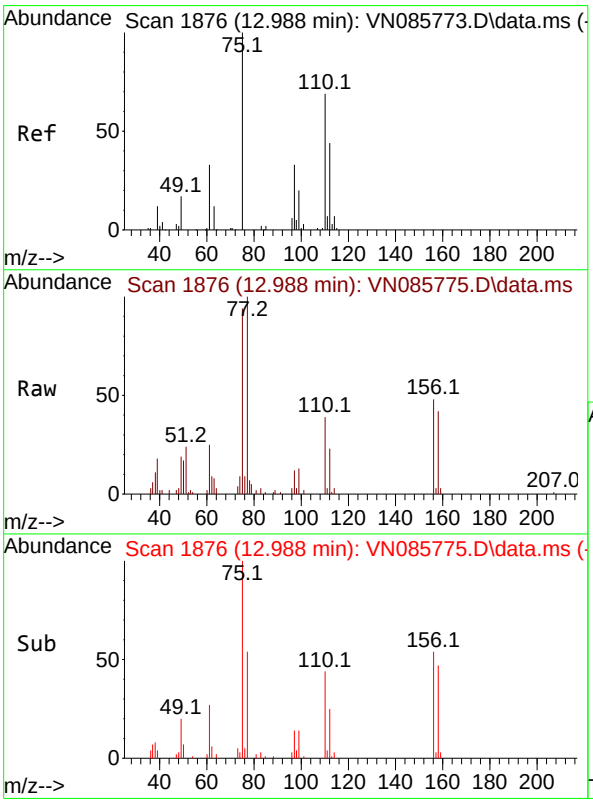
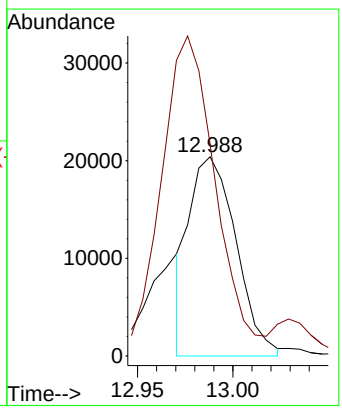
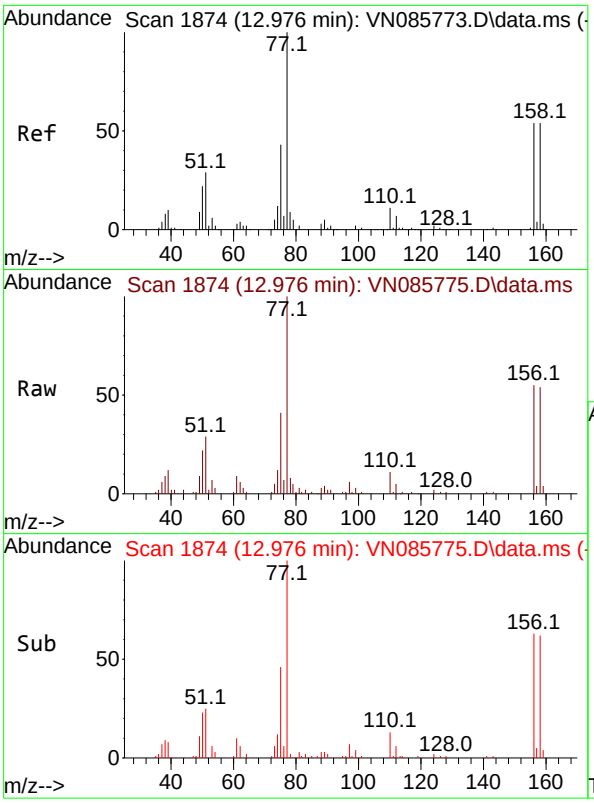


#76
1,2,3-Trichloropropane
Concen: 10.425 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 34754

Ion	Ratio	Lower	Upper
75	100		
77	188.3	100.0	300.0

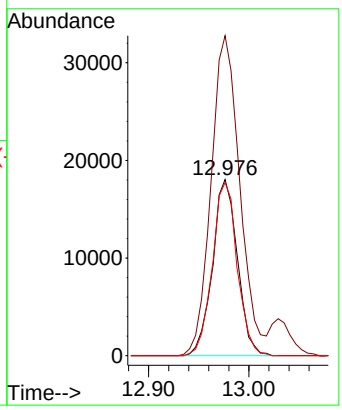




#77
Bromobenzene
Concen: 11.061 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:156 Resp: 3106

Ion	Ratio	Lower	Upper
156	100		
77	210.7	104.1	312.3
158	98.4	48.1	144.4



Instrument :
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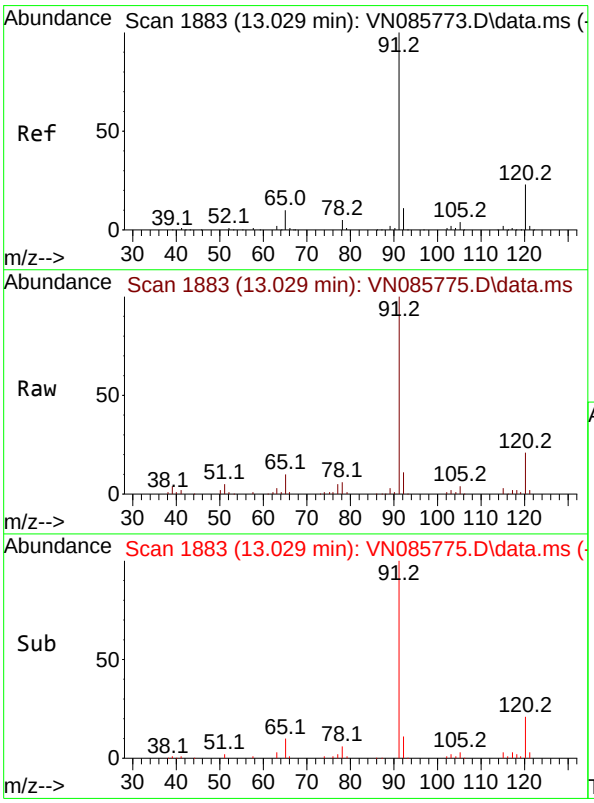
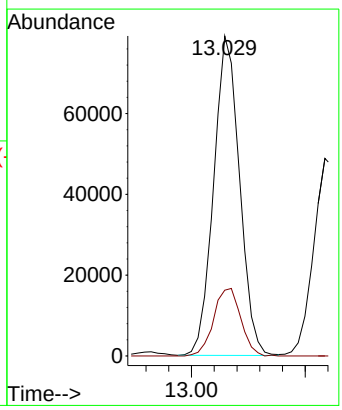
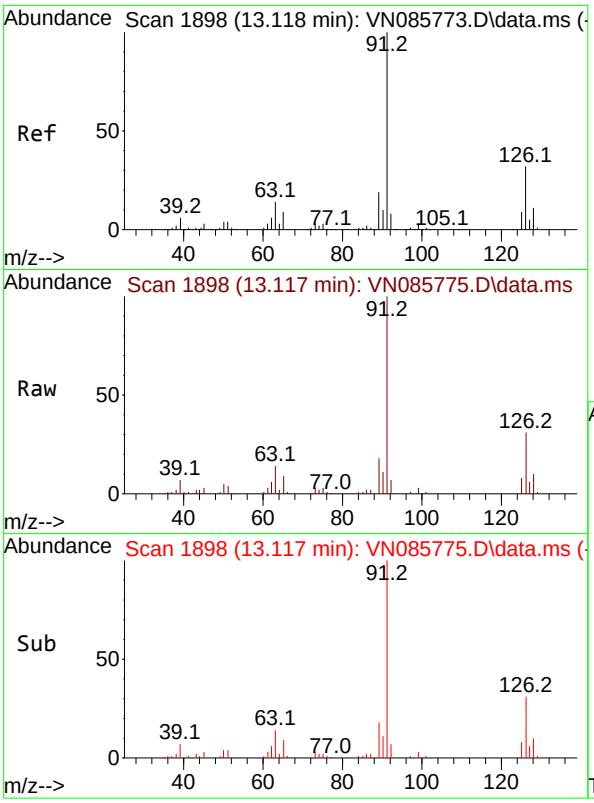


#78
n-propylbenzene
Concen: 10.517 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 91 Resp: 125206

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79
2-Chlorotoluene
Concen: 10.841 ug/l
RT: 13.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 91 Resp: 8623

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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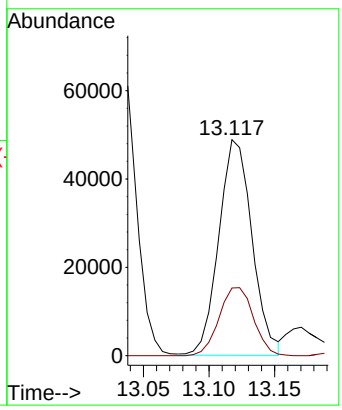
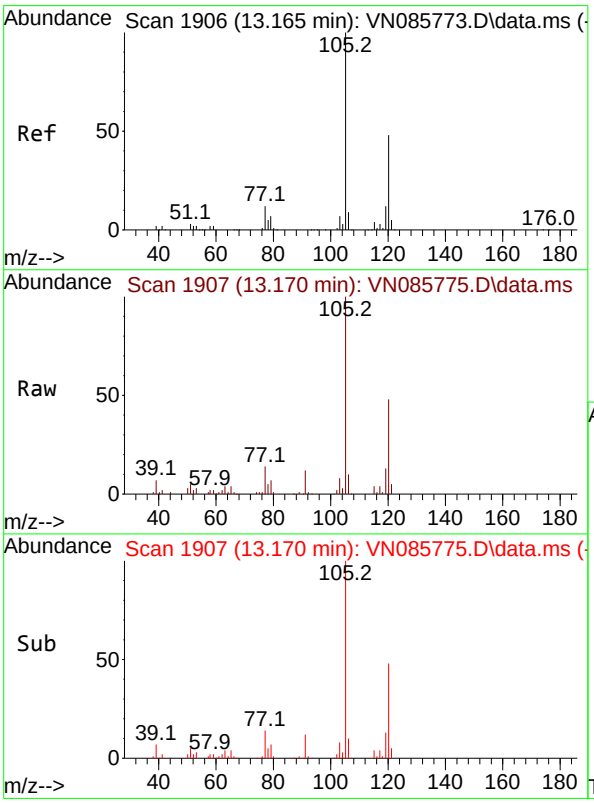
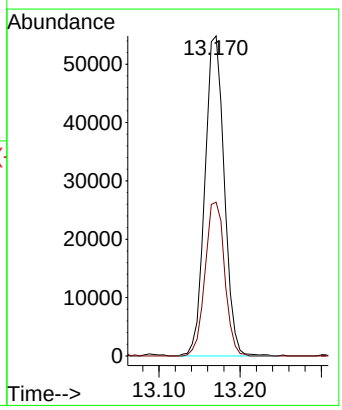


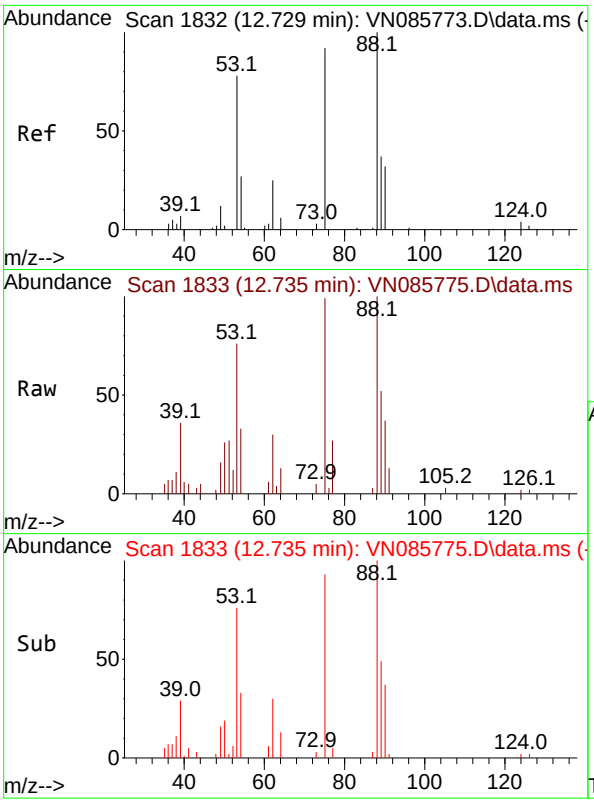


#80
1,3,5-Trimethylbenzene
Concen: 10.713 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:105 Resp: 90718

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 10.302 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 1190

Ion	Ratio	Lower	Upper
75	100		
53	92.1	74.2	111.4
89	48.8	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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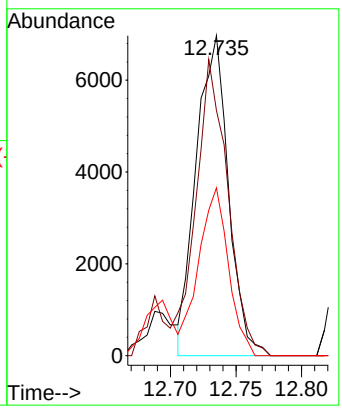
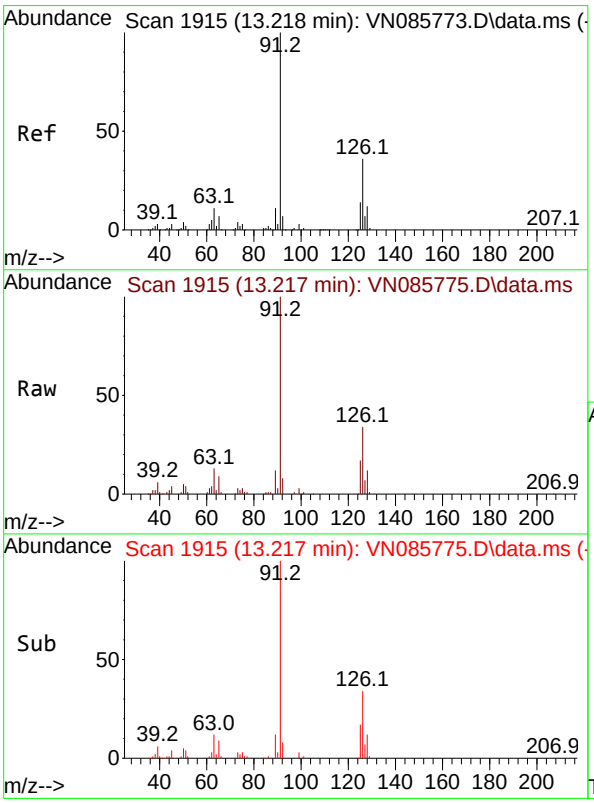
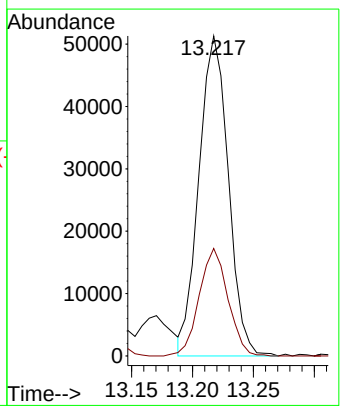


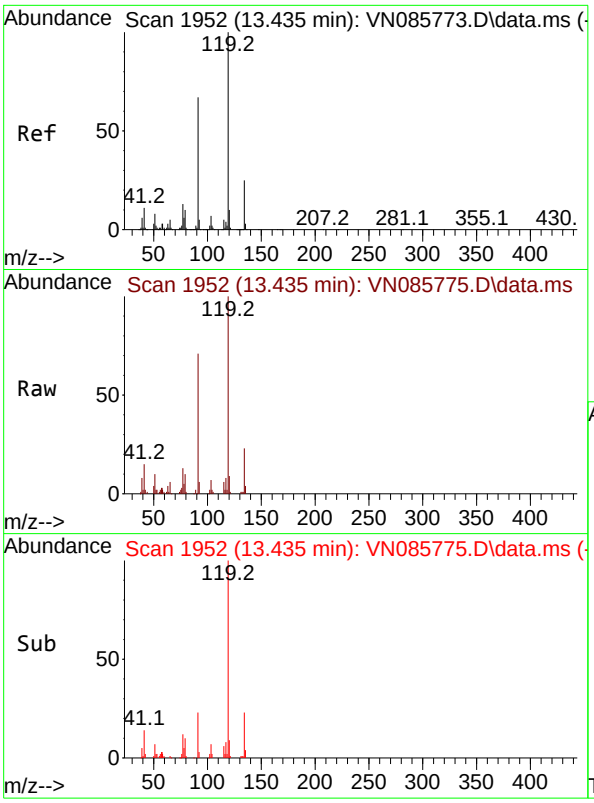


#82
4-Chlorotoluene
Concen: 10.919 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 91 Resp: 86106

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4





#83
tert-Butylbenzene
Concen: 10.364 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:119 Resp: 7380

Ion	Ratio	Lower	Upper
119	100		
91	69.5	32.5	97.5
134	26.5	13.3	39.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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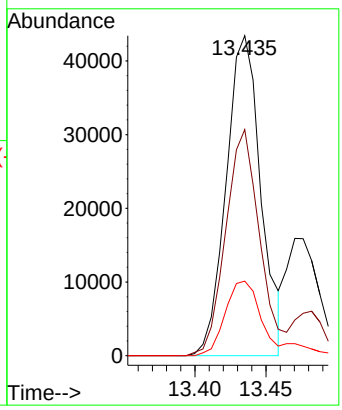
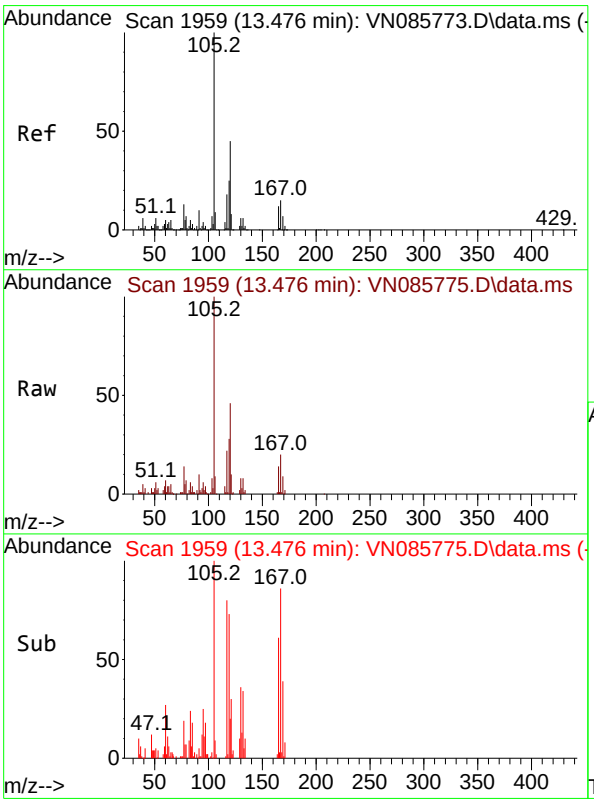
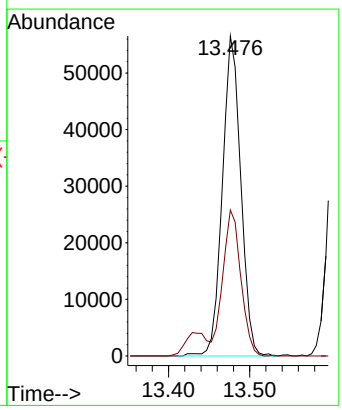


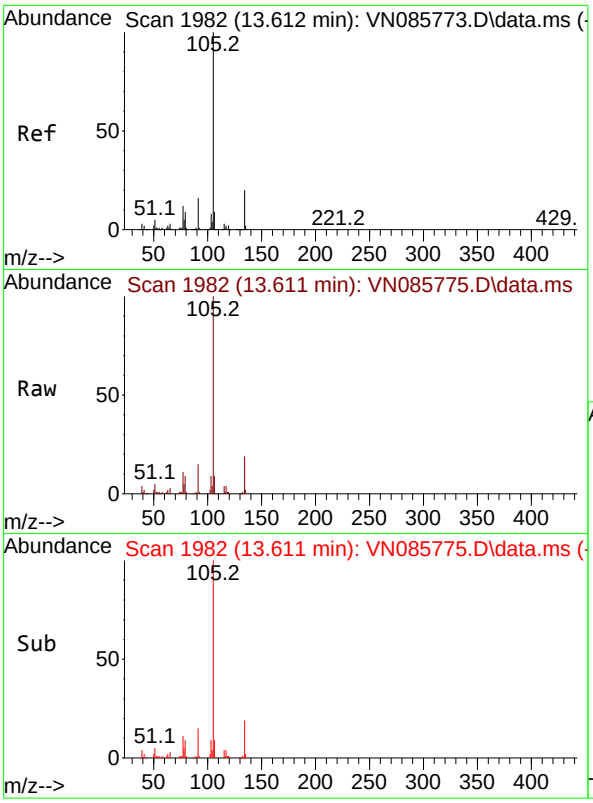


#84
1,2,4-Trimethylbenzene
Concen: 10.638 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:105 Resp: 89125

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3

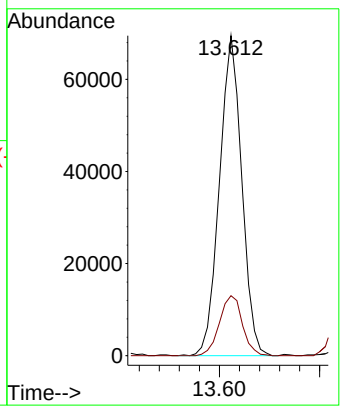




#85
sec-Butylbenzene
Concen: 10.660 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:105 Resp: 10725

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



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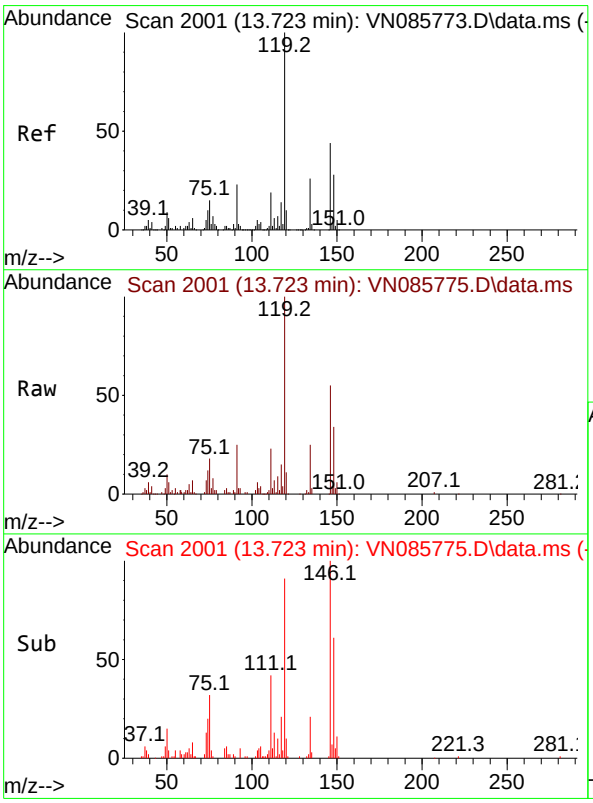
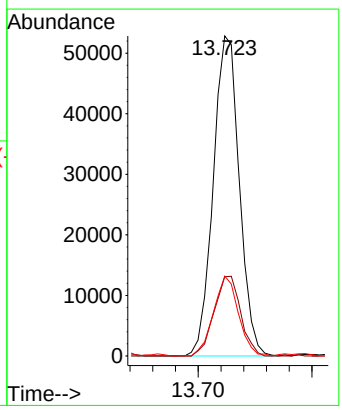
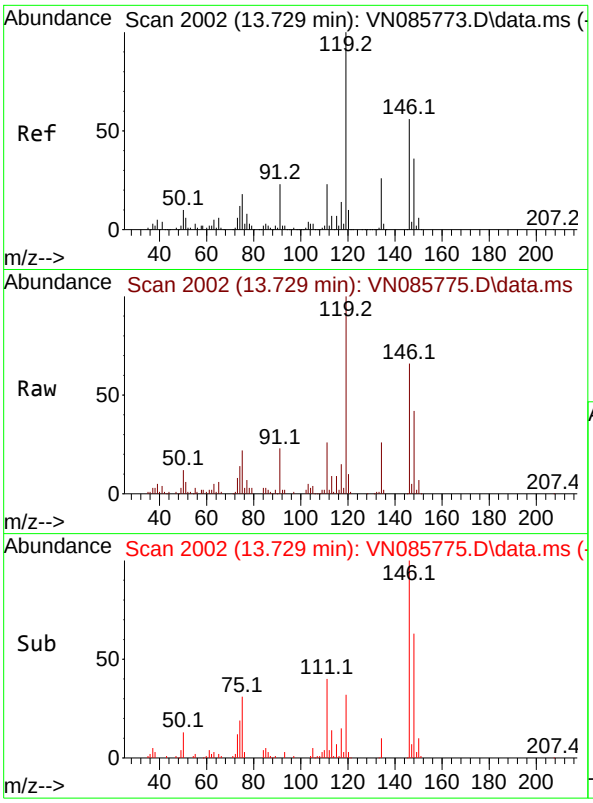


#86
p-Isopropyltoluene
Concen: 10.256 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:119 Resp: 84249

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	23.9	11.7	35.1

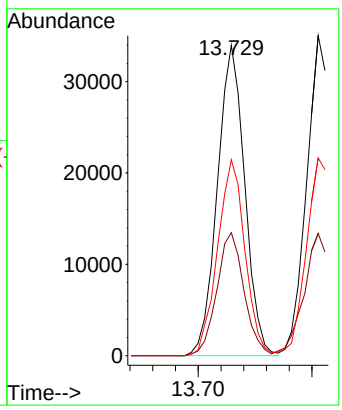




#87
1,3-Dichlorobenzene
Concen: 10.822 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:146 Resp: 5694

Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.3
148	63.2	32.1	96.5



Instrument :
MSVOA_N
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VSTDICC010

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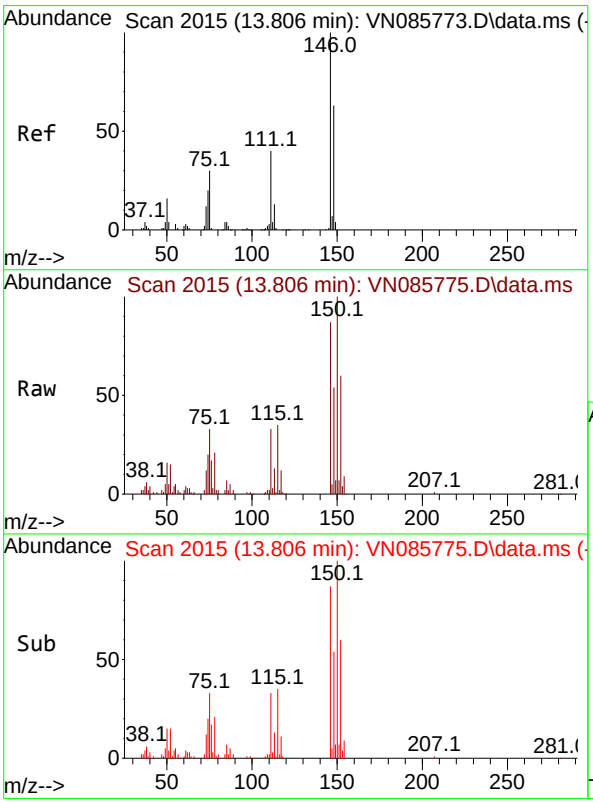
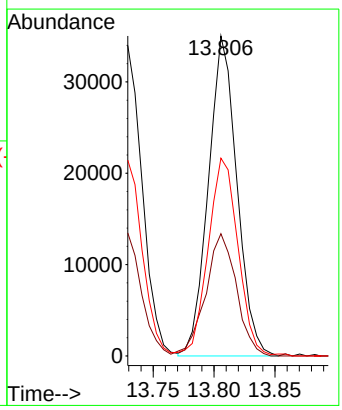
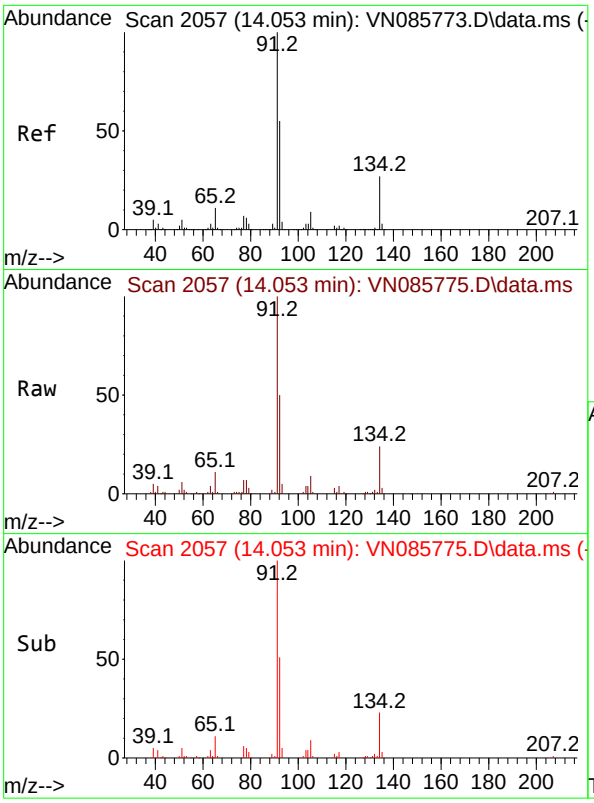


#88
1,4-Dichlorobenzene
Concen: 10.600 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:146 Resp: 57166

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	65.0	31.8	95.4

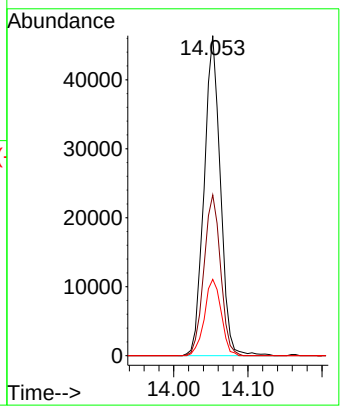




#89
n-Butylbenzene
Concen: 9.931 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 91 Resp: 7094

Ion	Ratio	Lower	Upper
91	100		
92	51.2	27.1	81.3
134	24.4	12.7	38.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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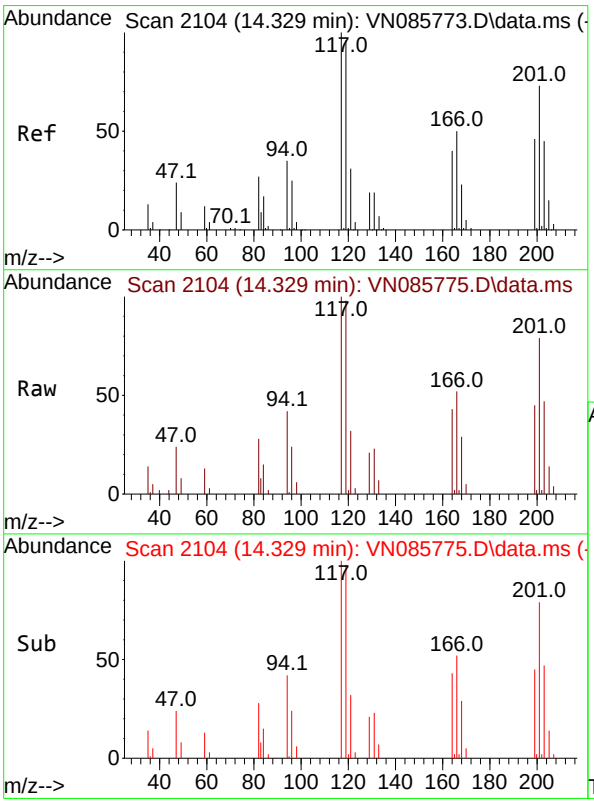
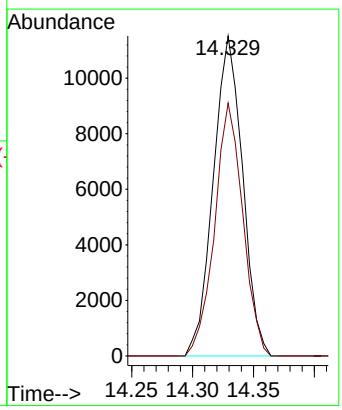
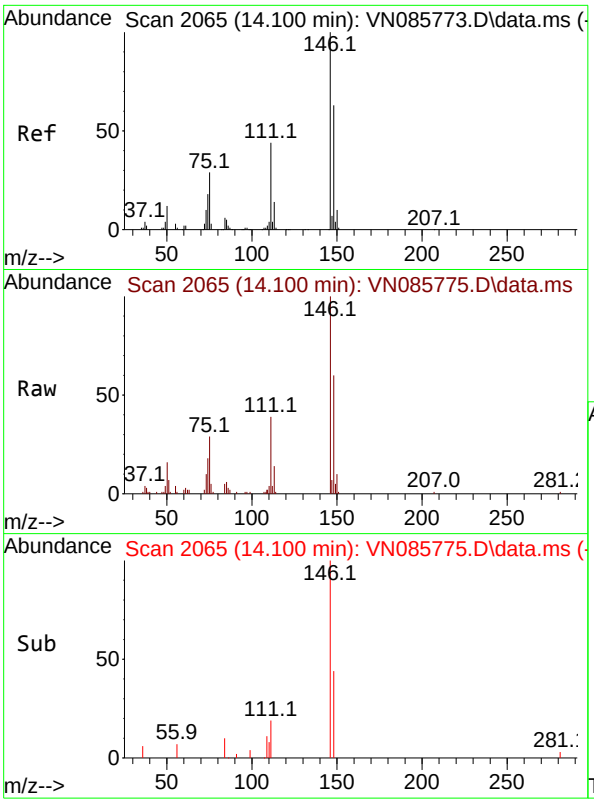


#90
Hexachloroethane
Concen: 10.119 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:117 Resp: 19282

Ion	Ratio	Lower	Upper
117	100		
201	76.1	35.6	106.9

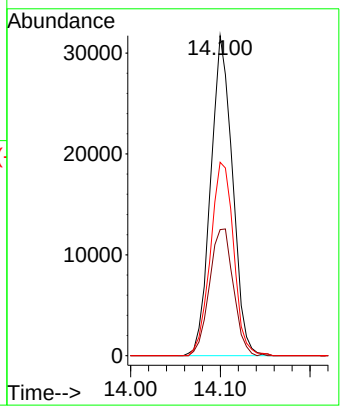




#91
1,2-Dichlorobenzene
Concen: 10.602 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:146 Resp: 5364

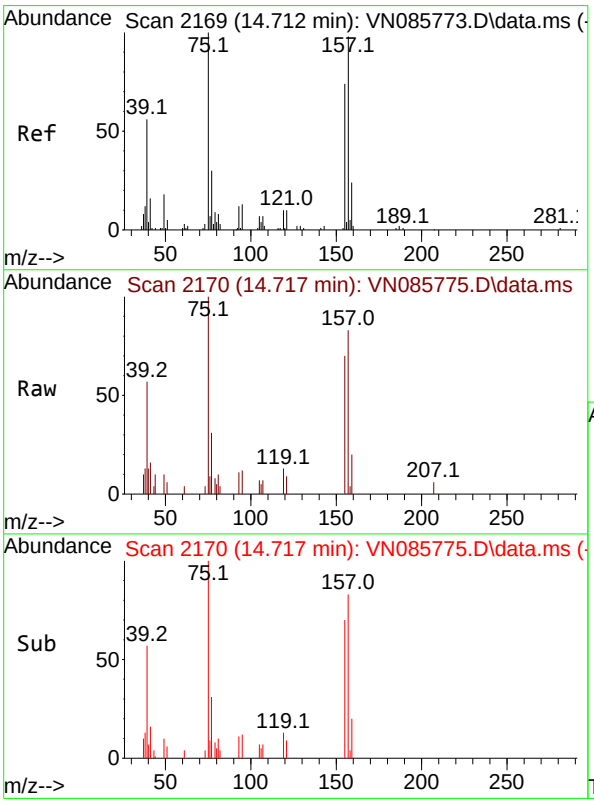
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.4	64.3
148	64.3	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

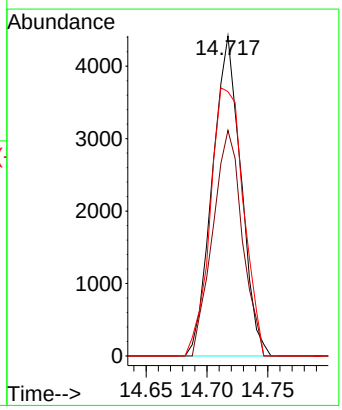
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

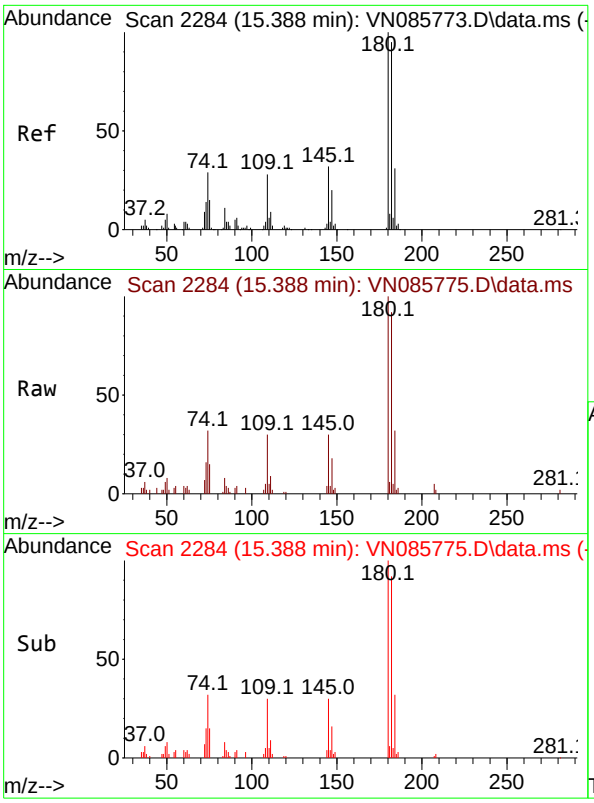


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.996 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 7223

Ion	Ratio	Lower	Upper
75	100		
155	73.0	39.9	119.6
157	96.9	49.9	149.7

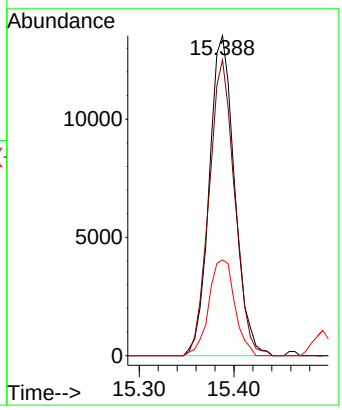




#93
1,2,4-Trichlorobenzene
Concen: 10.406 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:180 Resp: 2509

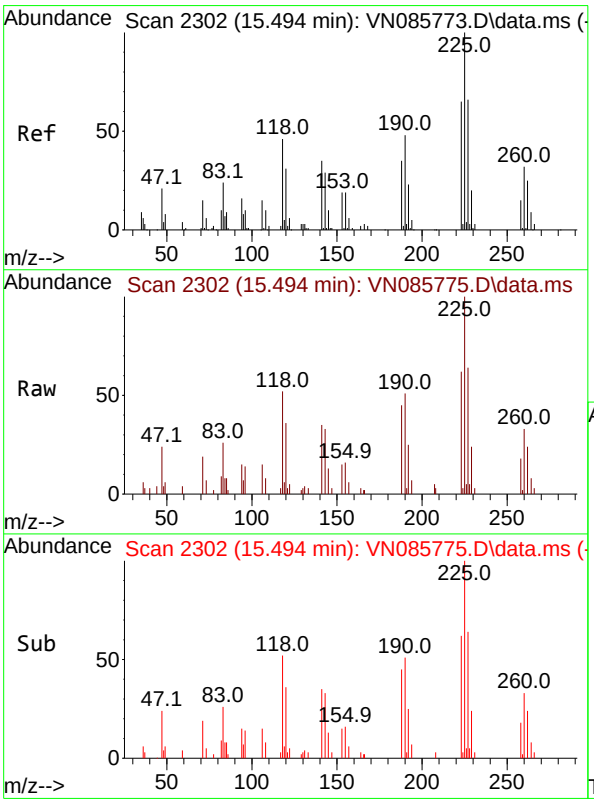
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	141.9
145	30.7	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

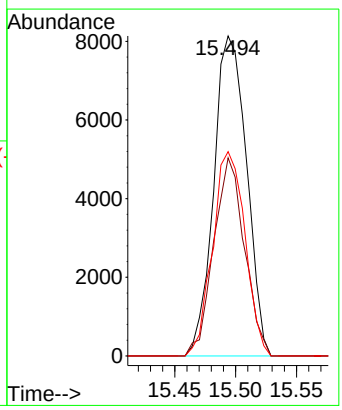
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

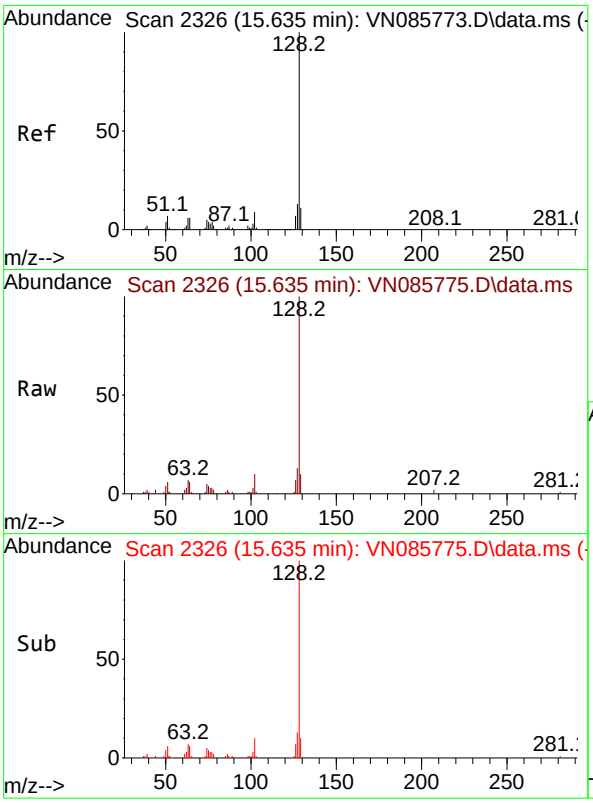


#94
Hexachlorobutadiene
Concen: 10.426 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:225 Resp: 15278

Ion	Ratio	Lower	Upper
225	100		
223	58.1	31.9	95.5
227	62.8	32.2	96.6

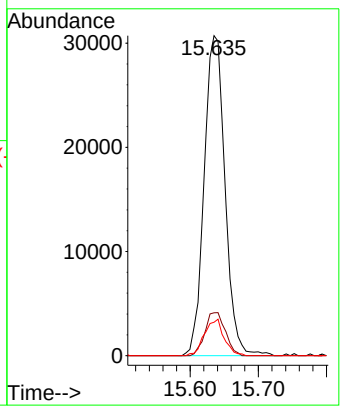




#95
Naphthalene
Concen: 9.902 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:128 Resp: 6554

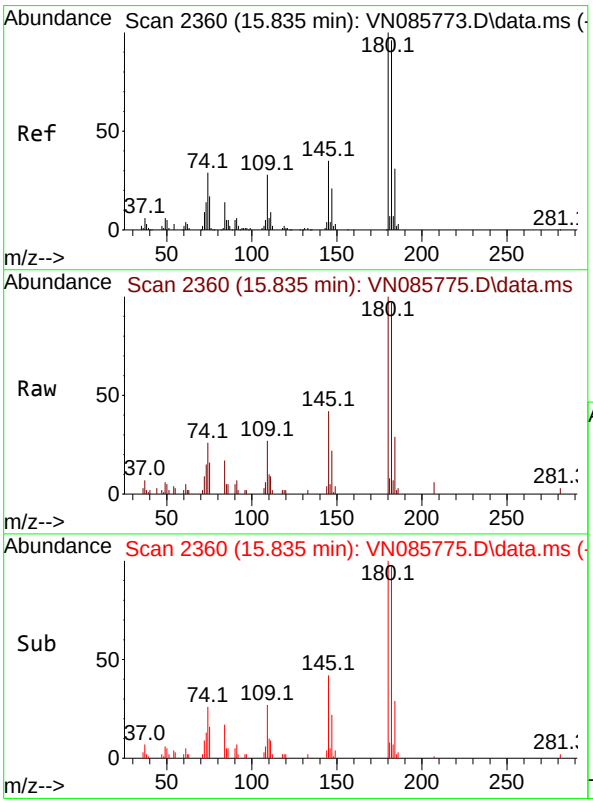
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

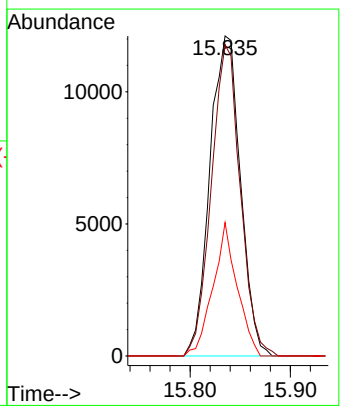
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:180 Resp: 25612

Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.3	141.8
145	33.0	16.9	50.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	272461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	471970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	396883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	20906	5.918	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.840%#			
35) Dibromofluoromethane	8.165	113	16866	5.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.920%#			
50) Toluene-d8	10.559	98	57180	5.089	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.180%#			
62) 4-Bromofluorobenzene	12.841	95	17484	4.723	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.440%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	17717	4.781	ug/l	97
3) Chloromethane	2.359	50	18038	4.850	ug/l	98
4) Vinyl Chloride	2.512	62	19849	5.041	ug/l	93
5) Bromomethane	2.953	94	13523	5.371	ug/l	97
6) Chloroethane	3.118	64	12801	4.908	ug/l	93
7) Trichlorofluoromethane	3.500	101	29008	5.088	ug/l	92
8) Diethyl Ether	3.959	74	9618	5.214	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	17299	5.250	ug/l	98
10) Methyl Iodide	4.595	142	19721	4.855	ug/l #	88
11) Tert butyl alcohol	5.518	59	11272	25.945	ug/l #	94
12) 1,1-Dichloroethene	4.342	96	15564	5.209	ug/l	96
13) Acrolein	4.177	56	17171	26.652	ug/l	95
14) Allyl chloride	5.012	41	19720	5.027	ug/l	94
15) Acrylonitrile	5.718	53	35404	25.067	ug/l	98
16) Acetone	4.424	43	28402	25.411	ug/l	100
17) Carbon Disulfide	4.706	76	43711	4.936	ug/l	96
18) Methyl Acetate	5.018	43	18793	4.888	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	42491	4.786	ug/l	98
20) Methylene Chloride	5.271	84	18139	5.046	ug/l #	88
21) trans-1,2-Dichloroethene	5.783	96	16330	5.076	ug/l	93
22) Diisopropyl ether	6.671	45	42703	4.817	ug/l	95
23) Vinyl Acetate	6.594	43	140821m	23.273	ug/l	
24) 1,1-Dichloroethane	6.565	63	30658	5.088	ug/l #	93
25) 2-Butanone	7.477	43	40795	24.809	ug/l	95
26) 2,2-Dichloropropane	7.488	77	26889	5.018	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	18673	5.006	ug/l	98
28) Bromochloromethane	7.806	49	15543	6.276	ug/l	91
29) Tetrahydrofuran	7.841	42	24907	23.457	ug/l	98
30) Chloroform	7.959	83	31702	5.034	ug/l	100
31) Cyclohexane	8.247	56	28784	5.705	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	28815	5.145	ug/l #	50
36) 1,1-Dichloropropene	8.365	75	20593	4.711	ug/l	98
37) Ethyl Acetate	7.553	43	17768	4.940	ug/l #	85
38) Carbon Tetrachloride	8.353	117	25734	4.955	ug/l	95
39) Methylcyclohexane	9.594	83	19113	4.451	ug/l	97
40) Benzene	8.600	78	67051	4.786	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	9296	4.835	ug/l		98
42) 1,2-Dichloroethane	8.665	62	21886	4.796	ug/l		99
43) Isopropyl Acetate	8.682	43	35032	5.059	ug/l		92
44) Trichloroethene	9.347	130	16513	4.801	ug/l		96
45) 1,2-Dichloropropane	9.618	63	16228	4.799	ug/l		97
46) Dibromomethane	9.706	93	11544	4.840	ug/l		98
47) Bromodichloromethane	9.888	83	25152	4.929	ug/l		96
48) Methyl methacrylate	9.677	41	12200	4.567	ug/l		97
49) 1,4-Dioxane	9.688	88	4669	91.913	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	80666	23.260	ug/l		96
52) Toluene	10.629	92	38701	4.713	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	22215	4.708	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	24235	4.684	ug/l	#	91
55) 1,1,2-Trichloroethane	11.012	97	16352	5.008	ug/l		94
56) Ethyl methacrylate	10.871	69	18032	4.704	ug/l		99
57) 1,3-Dichloropropane	11.159	76	26117	4.792	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	41567	14.159	ug/l		97
59) 2-Hexanone	11.188	43	53498	22.424	ug/l		94
60) Dibromochloromethane	11.353	129	18137	4.771	ug/l		98
61) 1,2-Dibromoethane	11.465	107	15097	4.894	ug/l		99
64) Tetrachloroethene	11.100	164	15504	5.043	ug/l		92
65) Chlorobenzene	11.888	112	45215	4.973	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	15949	4.880	ug/l		98
67) Ethyl Benzene	11.959	91	66079	4.640	ug/l		99
68) m/p-Xylenes	12.065	106	48412	8.949	ug/l		99
69) o-Xylene	12.394	106	23196	4.512	ug/l		100
70) Styrene	12.406	104	35138	4.557	ug/l		97
71) Bromoform	12.576	173	11934	4.915	ug/l	#	94
73) Isopropylbenzene	12.694	105	54982	4.477	ug/l		99
74) N-amyl acetate	12.488	43	20017	4.623	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.929	83	21823	5.164	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	20813m	5.285	ug/l		
77) Bromobenzene	12.976	156	16215	4.888	ug/l		95
78) n-propylbenzene	13.029	91	62073	4.414	ug/l		99
79) 2-Chlorotoluene	13.117	91	43457	4.625	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	43342	4.333	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.729	75	6070	4.448	ug/l		90
82) 4-Chlorotoluene	13.217	91	43684	4.690	ug/l		100
83) tert-Butylbenzene	13.435	119	37975	4.515	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	42792	4.324	ug/l		97
85) sec-Butylbenzene	13.612	105	52659	4.431	ug/l		98
86) p-Isopropyltoluene	13.723	119	41010	4.632	ug/l		97
87) 1,3-Dichlorobenzene	13.729	146	30417	4.894	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	31847	4.999	ug/l		96
89) n-Butylbenzene	14.053	91	36427	4.317	ug/l		98
90) Hexachloroethane	14.329	117	11276	5.010	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	29424	4.923	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	3987	5.138	ug/l		89
93) 1,2,4-Trichlorobenzene	15.388	180	13040	4.578	ug/l		96
94) Hexachlorobutadiene	15.494	225	8623	4.982	ug/l		98
95) Naphthalene	15.635	128	33300	4.259	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	13188	4.612	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
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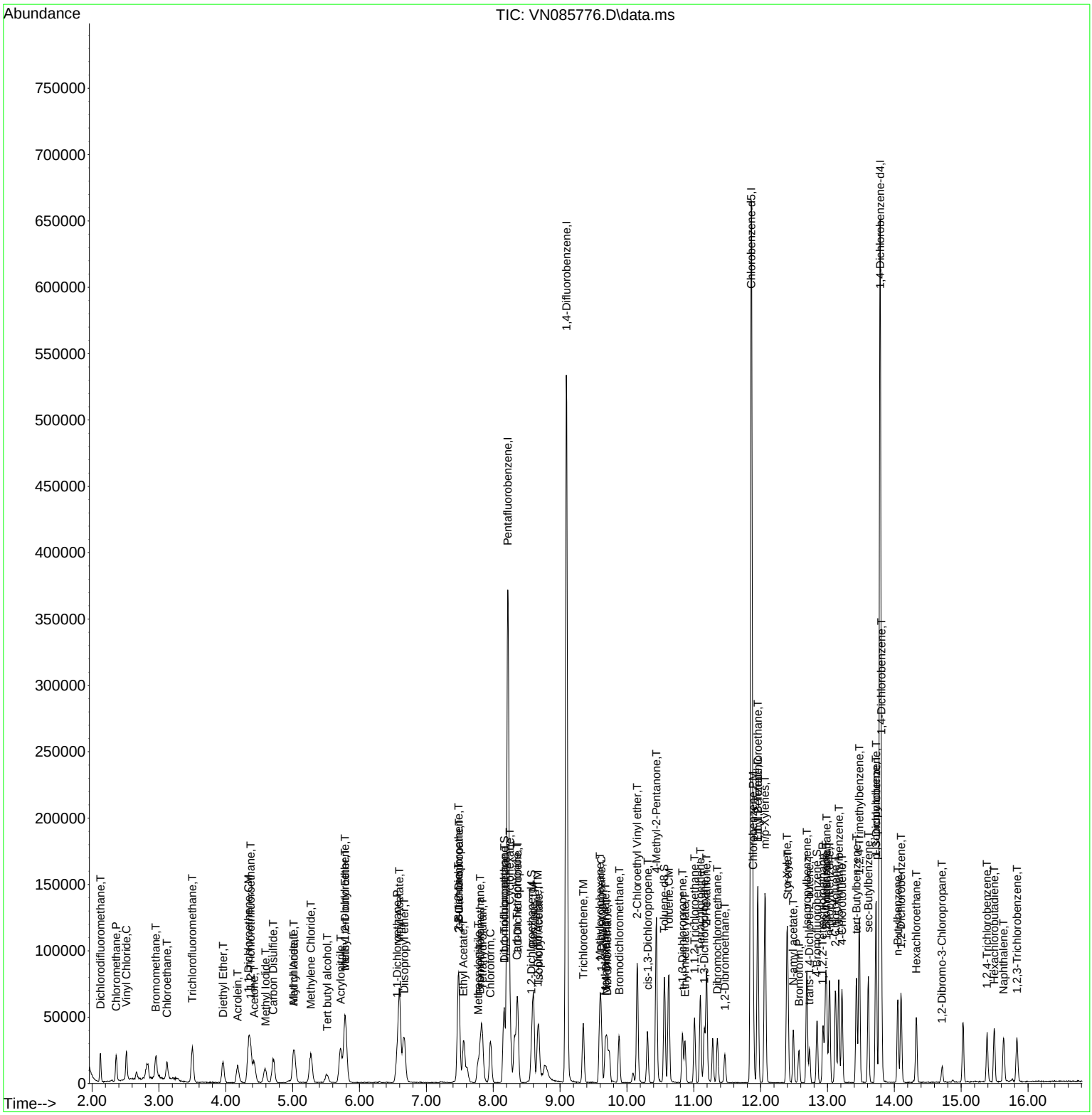
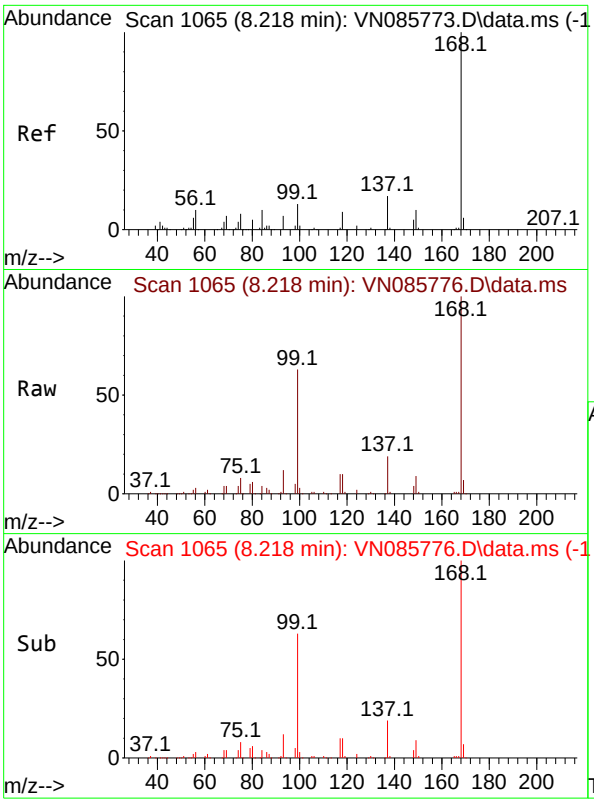




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

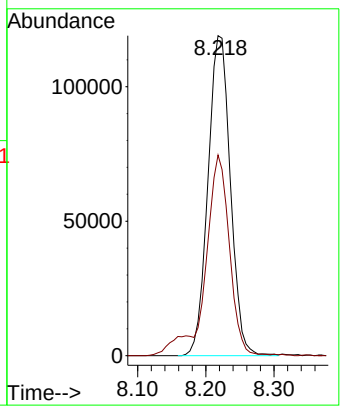
Tgt Ion:168 Resp: 27246

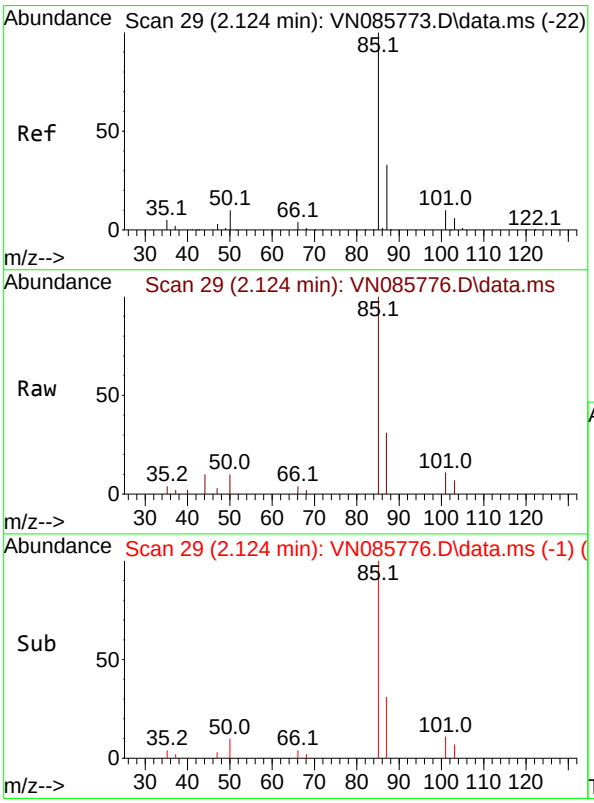
Ion	Ratio	Lower	Upper
168	100		
99	62.5	47.9	71.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

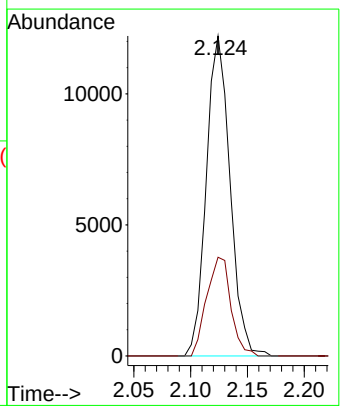


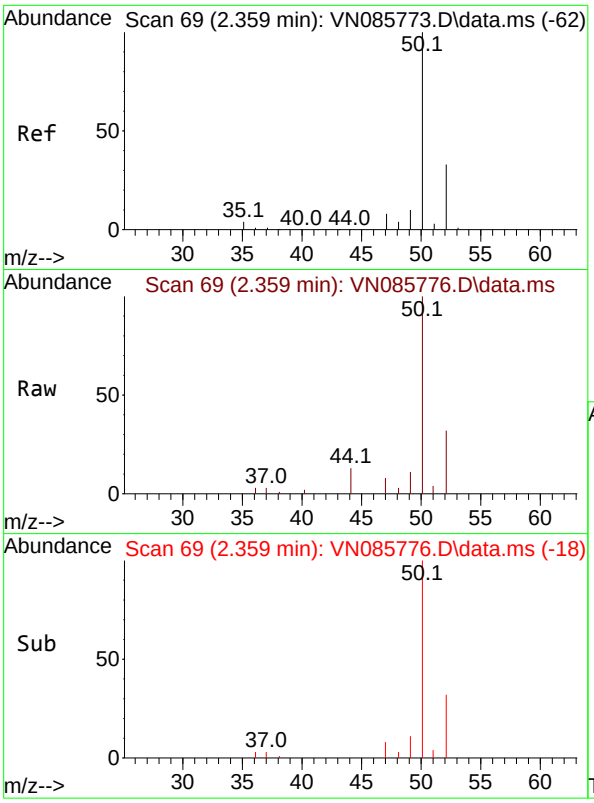


#2
Dichlorodifluoromethane
Concen: 4.781 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 85 Resp: 17717

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.4	49.2

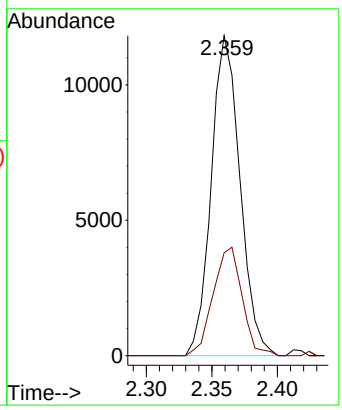




#3
Chloromethane
Concen: 4.850 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 50 Resp: 1803

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.7	40.1



Instrument :
MSVOA_N
ClientSampleId :
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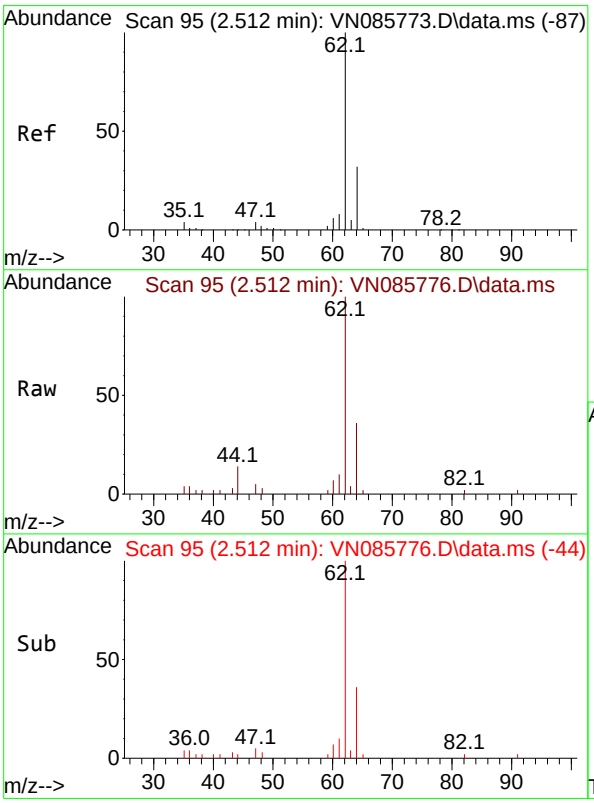
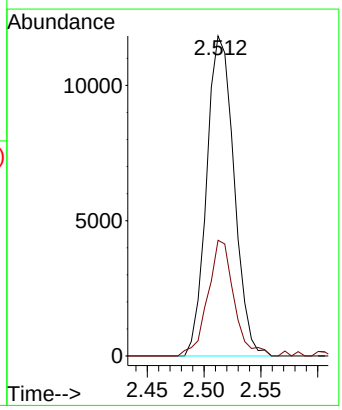
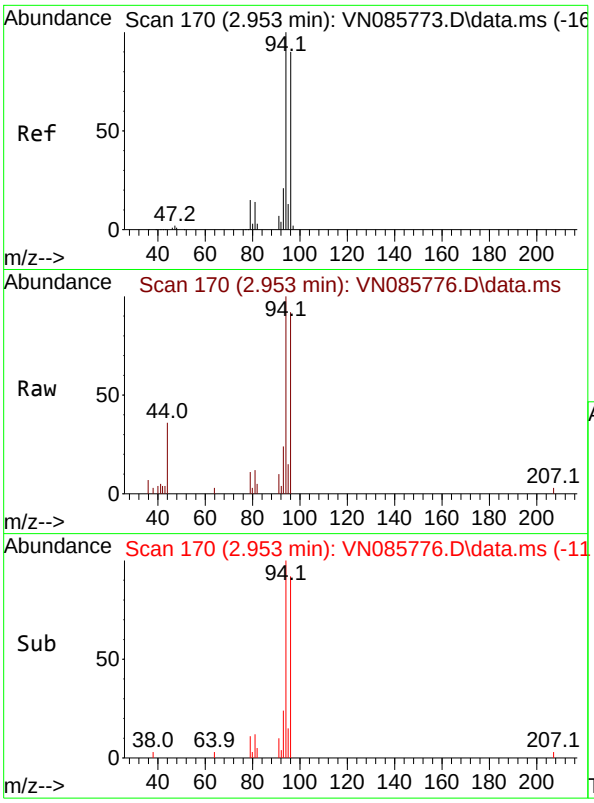


#4
Vinyl Chloride
Concen: 5.041 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 62 Resp: 19849

Ion	Ratio	Lower	Upper
62	100		
64	36.2	25.9	38.9

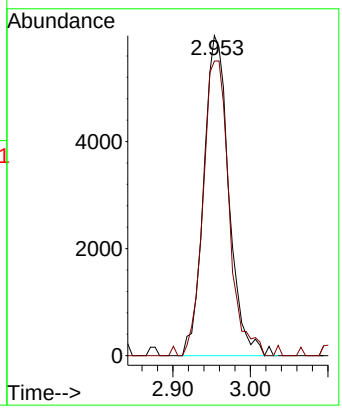




#5
Bromomethane
Concen: 5.371 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 94 Resp: 1352

Ion	Ratio	Lower	Upper
94	100		
96	92.1	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
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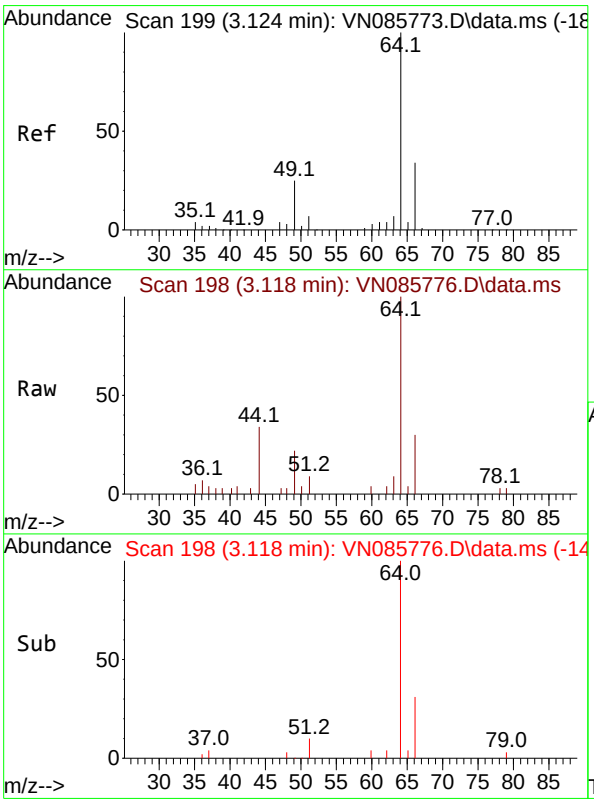
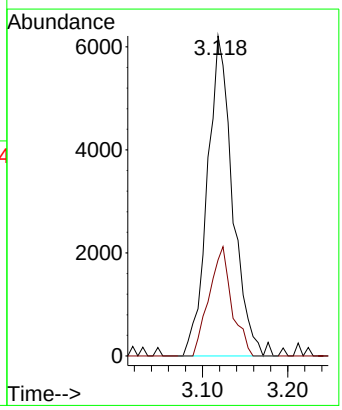
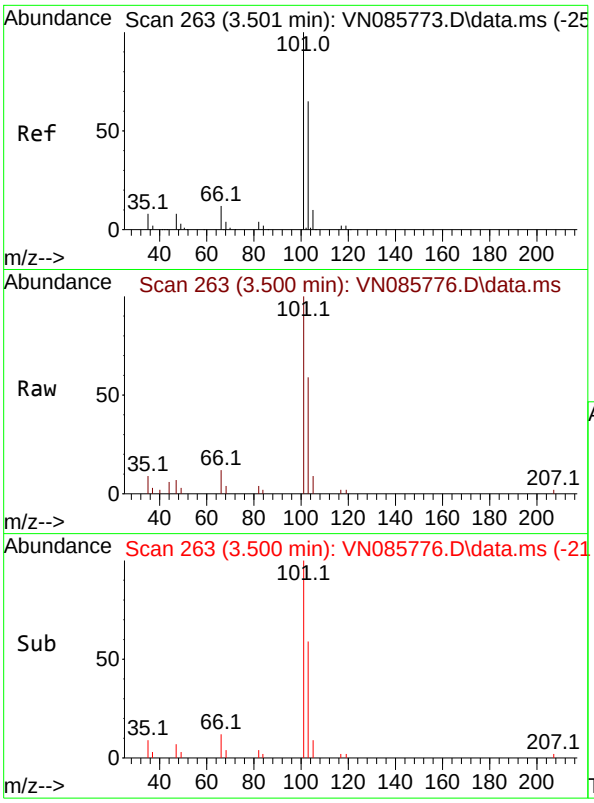


#6
Chloroethane
Concen: 4.908 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 64 Resp: 12801

Ion	Ratio	Lower	Upper
64	100		
66	30.0	27.0	40.6

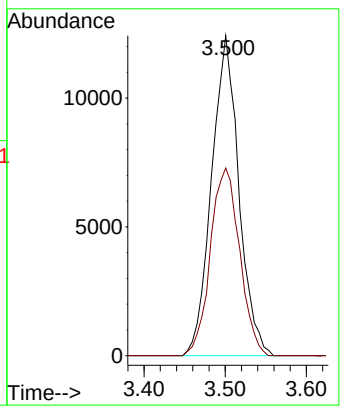




#7
Trichlorofluoromethane
Concen: 5.088 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:101 Resp: 2900

Ion	Ratio	Lower	Upper
101	100		
103	58.7	52.2	78.4



Instrument :
MSVOA_N
ClientSampleId :
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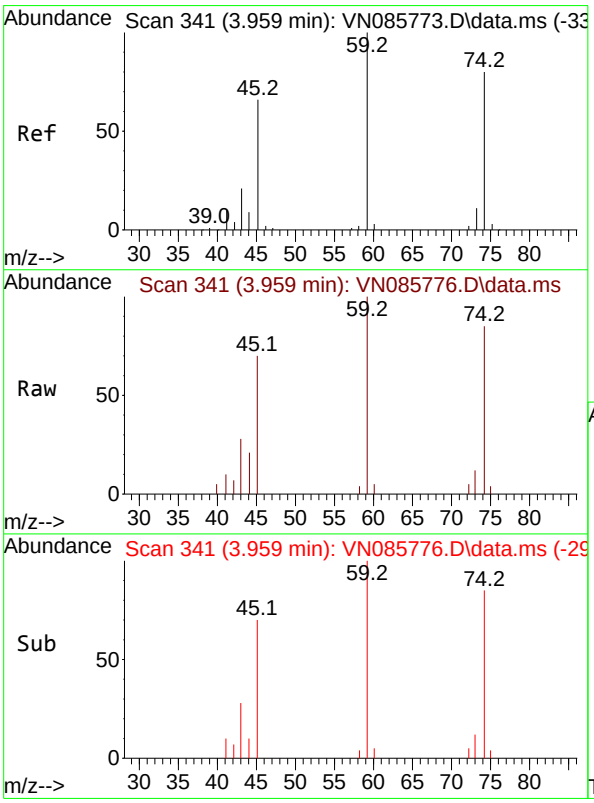
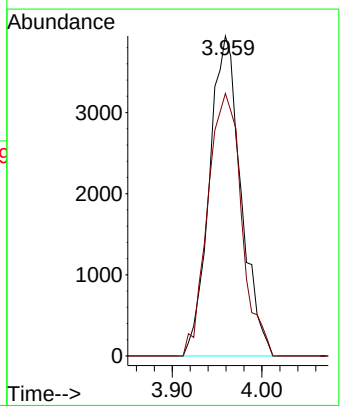
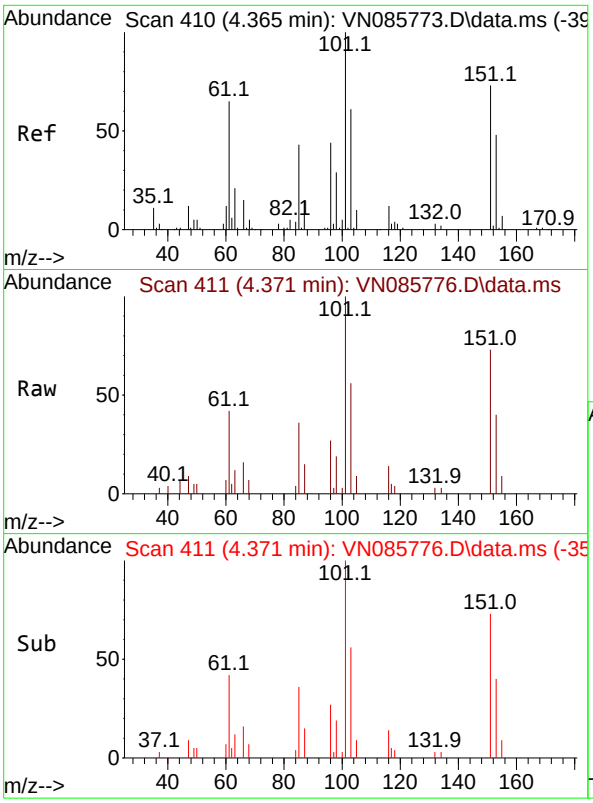


#8
Diethyl Ether
Concen: 5.214 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 74 Resp: 9618

Ion	Ratio	Lower	Upper
74	100		
45	88.3	42.5	127.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.250 ug/l
RT: 4.371 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:101 Resp: 1729

Ion	Ratio	Lower	Upper
101	100		
85	41.7	35.7	53.5
151	75.6	61.4	92.2

Instrument :
MSVOA_N
ClientSampleId :
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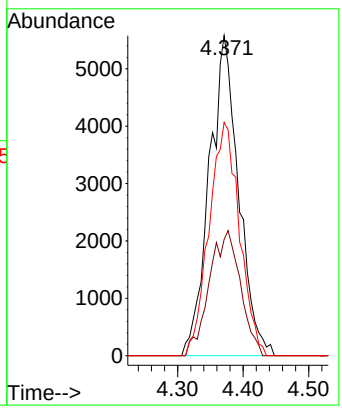
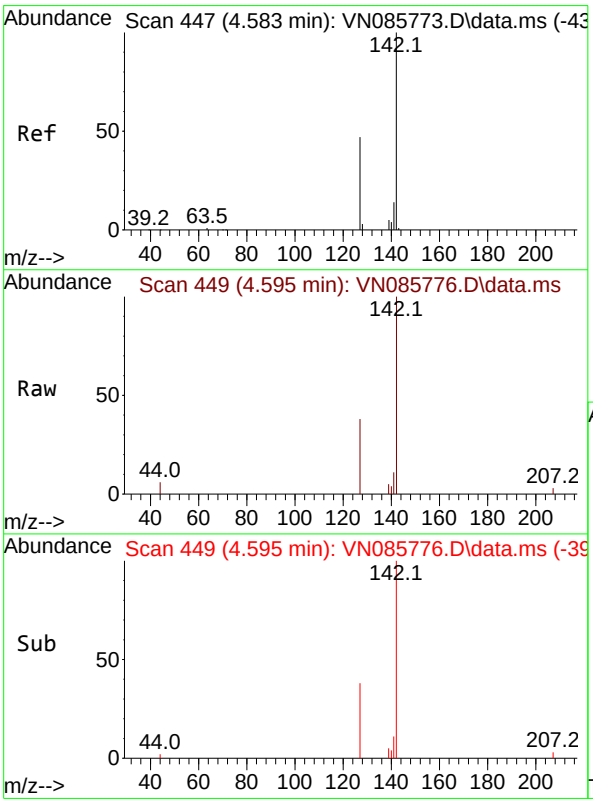
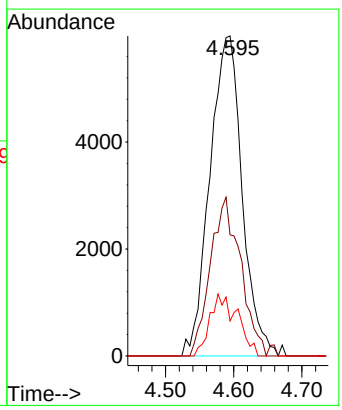


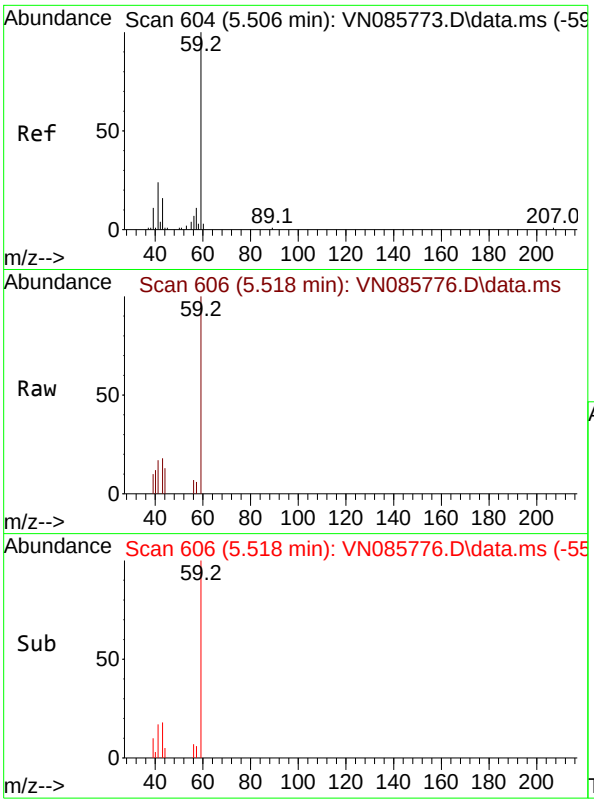


#10
Methyl Iodide
Concen: 4.855 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:142 Resp: 19721

Ion	Ratio	Lower	Upper
142	100		
127	37.8	37.6	56.4
141	10.9	11.4	17.2#

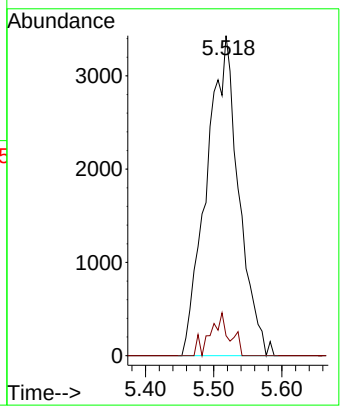




#11
Tert butyl alcohol
Concen: 25.945 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 59 Resp: 1127

Ion	Ratio	Lower	Upper
59	100		
57	8.0	8.3	12.5#



Instrument :
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ClientSampleId :
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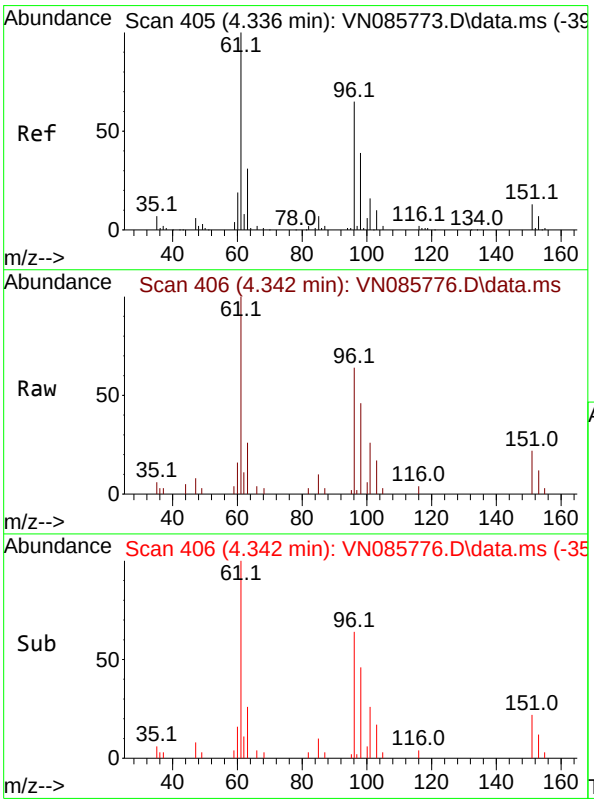
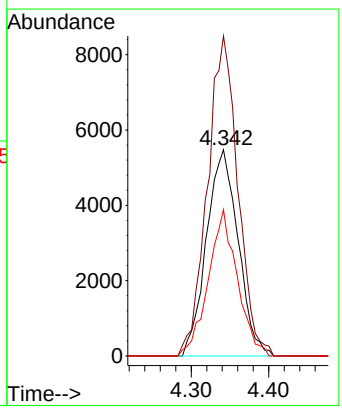
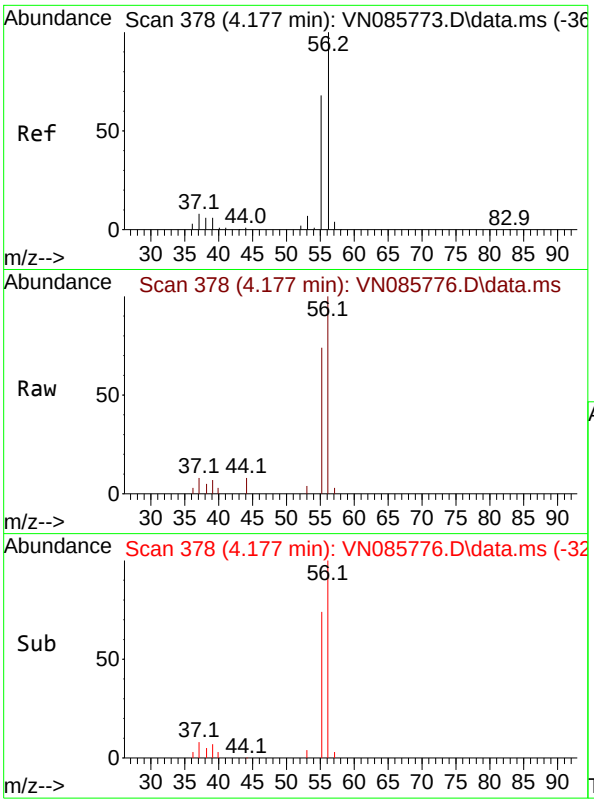


#12
1,1-Dichloroethene
Concen: 5.209 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 96 Resp: 15564

Ion	Ratio	Lower	Upper
96	100		
61	155.1	123.3	184.9
98	70.9	48.6	72.8

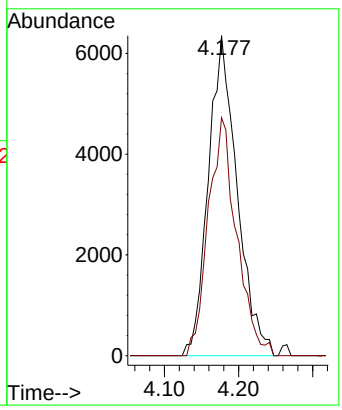




#13
Acrolein
Concen: 26.652 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 56 Resp: 1717

Ion	Ratio	Lower	Upper
56	100		
55	73.1	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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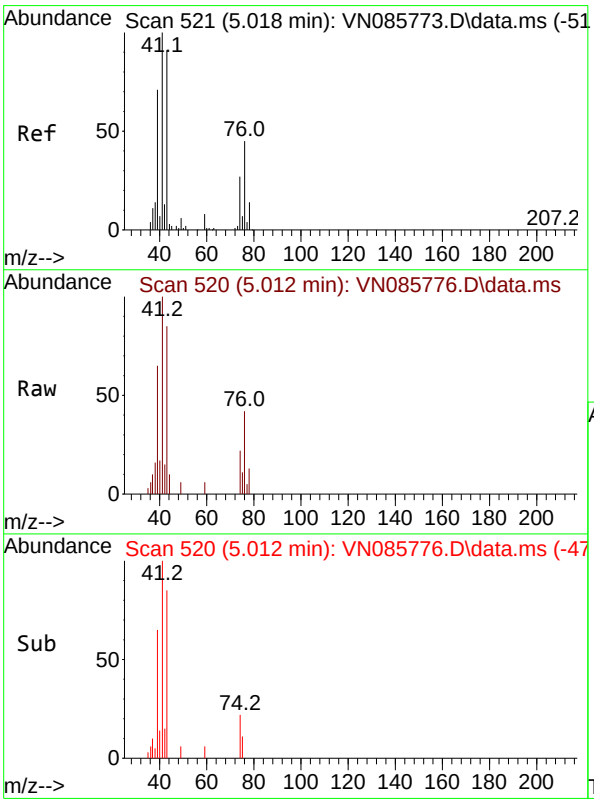
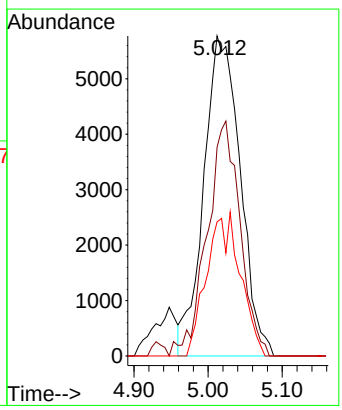
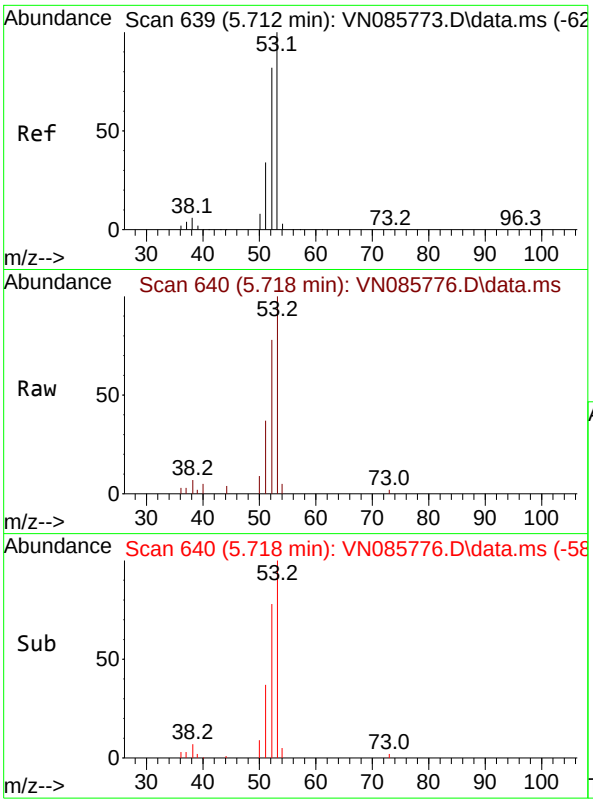


#14
Allyl chloride
Concen: 5.027 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 41 Resp: 19720

Ion	Ratio	Lower	Upper
41	100		
39	66.6	57.4	86.2
76	41.3	36.2	54.2

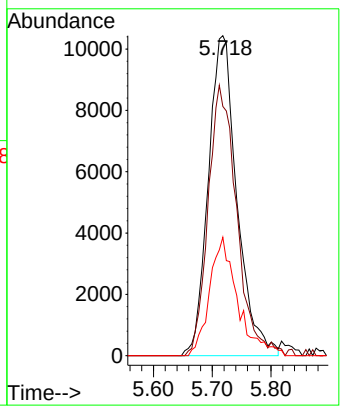




#15
Acrylonitrile
Concen: 25.067 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 53 Resp: 3540

Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.6
51	36.2	28.6	42.8



Instrument :
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ClientSampleId :
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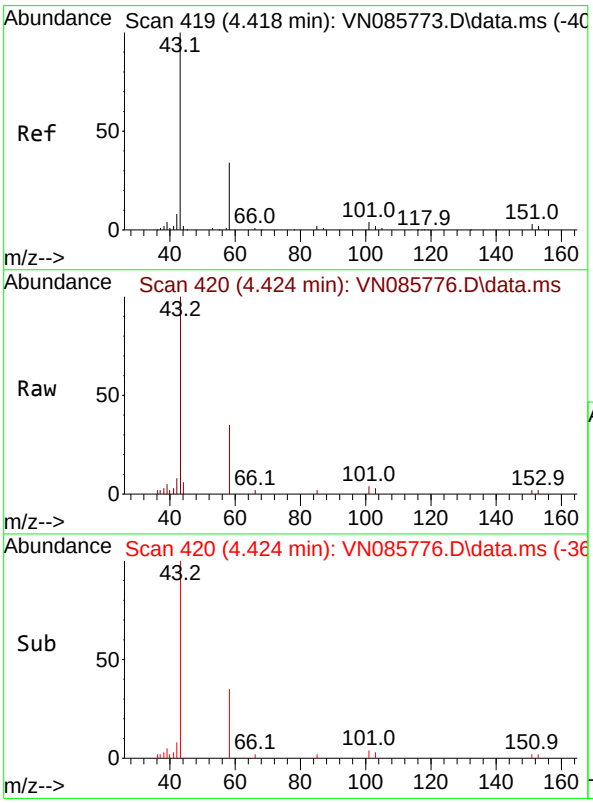
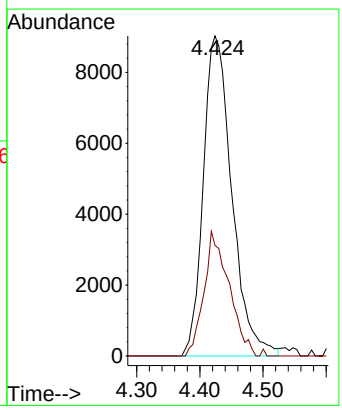
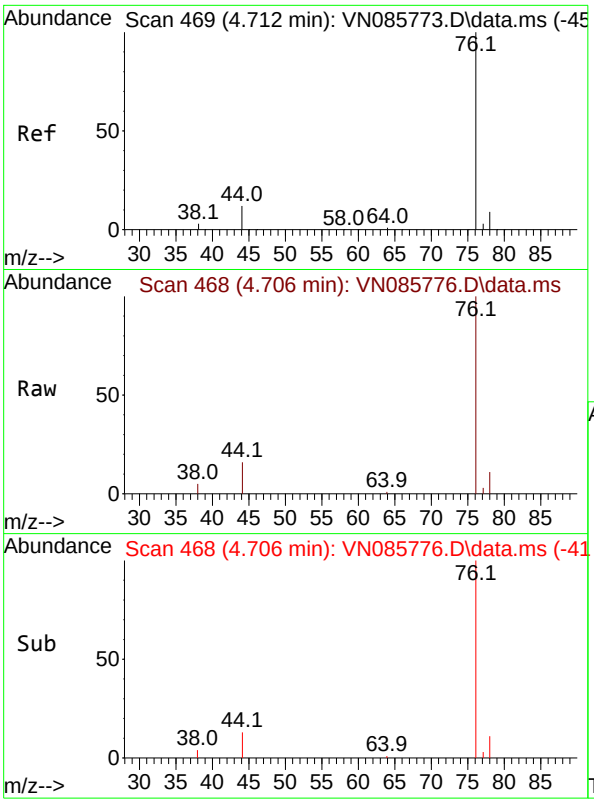


#16
Acetone
Concen: 25.411 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 28402

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.5	41.3

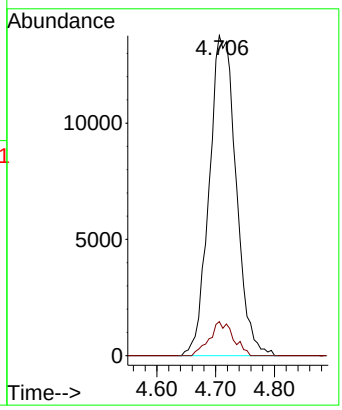




#17
Carbon Disulfide
Concen: 4.936 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 76 Resp: 4371

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.4	11.0



Instrument :
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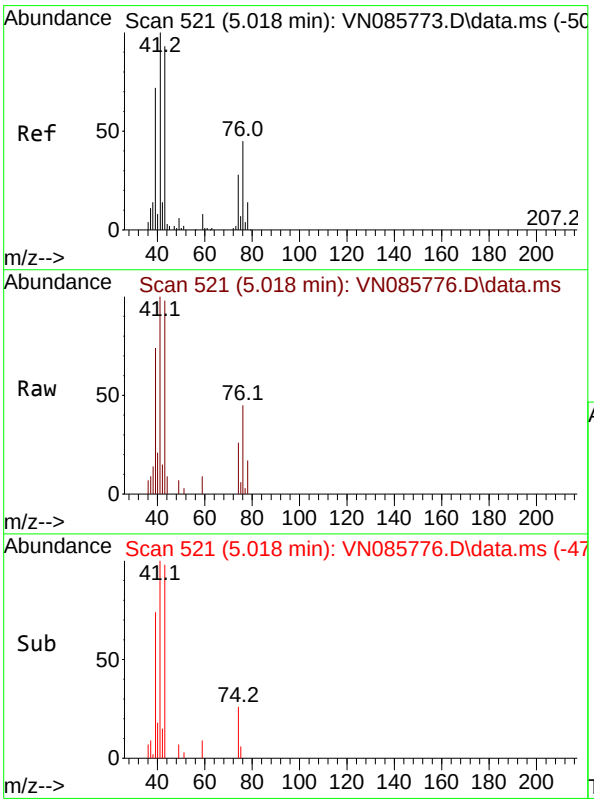
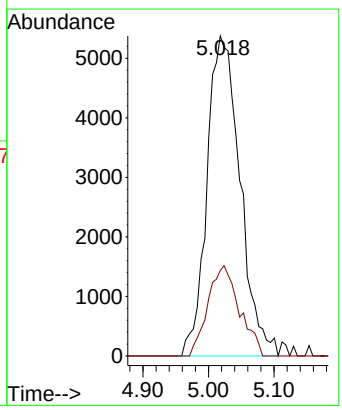
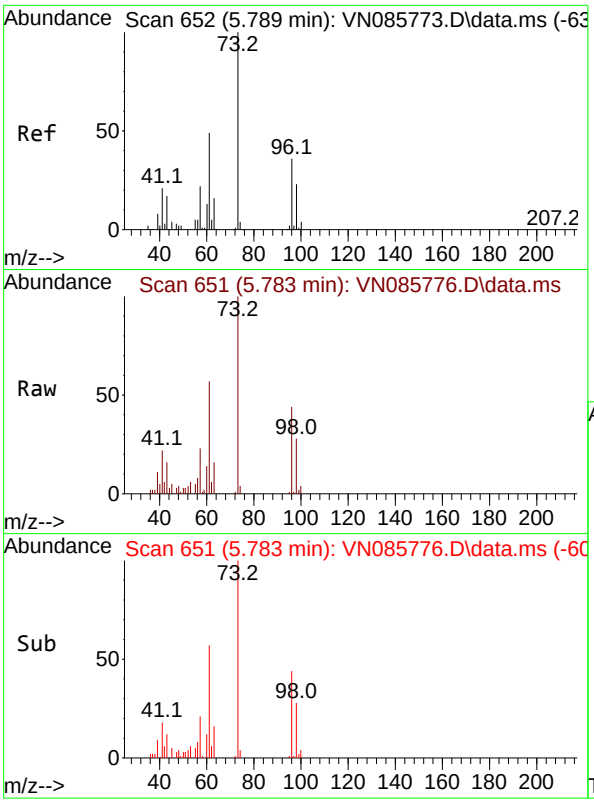


#18
Methyl Acetate
Concen: 4.888 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 18793

Ion	Ratio	Lower	Upper
43	100		
74	26.9	22.2	33.4

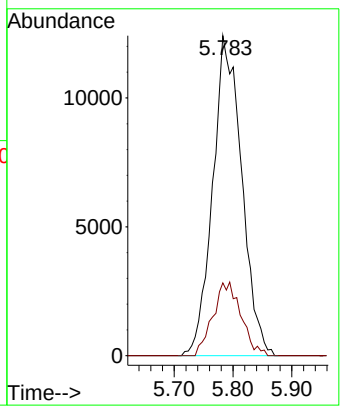




#19
Methyl tert-butyl Ether
Concen: 4.786 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 73 Resp: 4249

Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.6	26.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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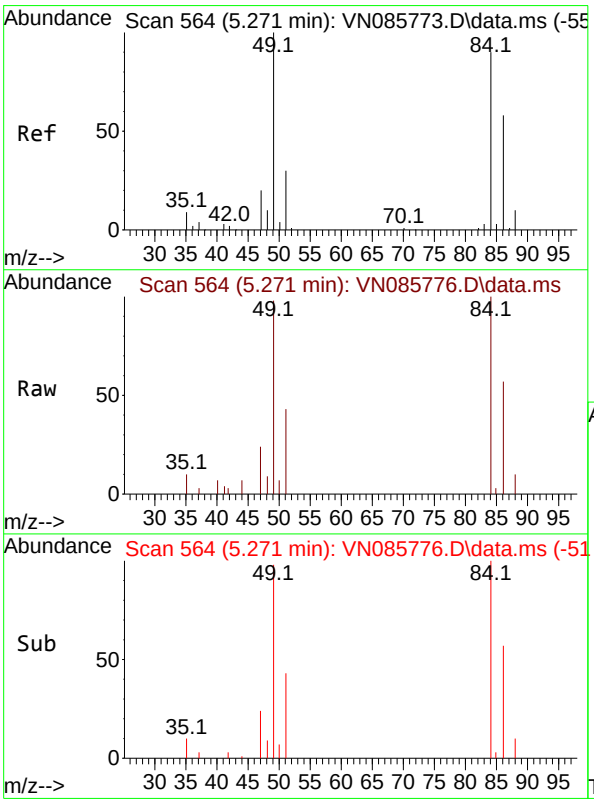
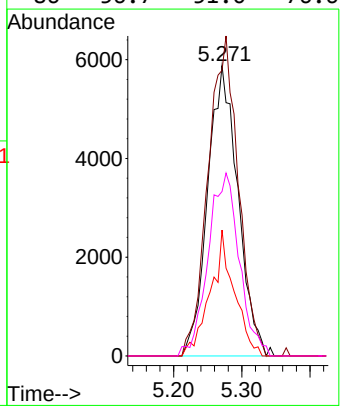
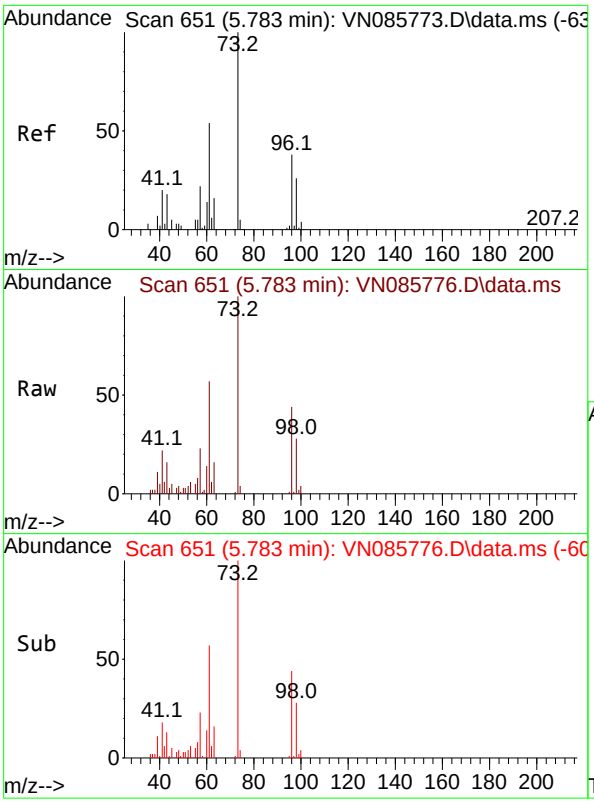


#20
Methylene Chloride
Concen: 5.046 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 84 Resp: 18139

Ion	Ratio	Lower	Upper
84	100		
49	98.4	88.4	132.6
51	43.4	26.6	40.0#
86	56.7	51.0	76.6

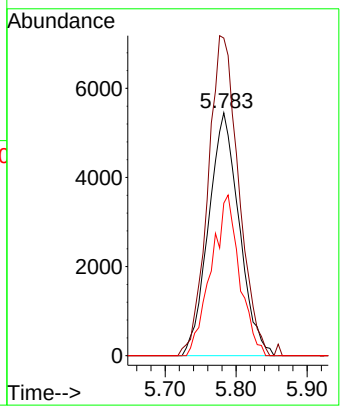




#21
trans-1,2-Dichloroethene
Concen: 5.076 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 96 Resp: 1633

Ion	Ratio	Lower	Upper
96	100		
61	130.8	112.6	168.8
98	62.8	53.3	79.9



Instrument :
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ClientSampleId :
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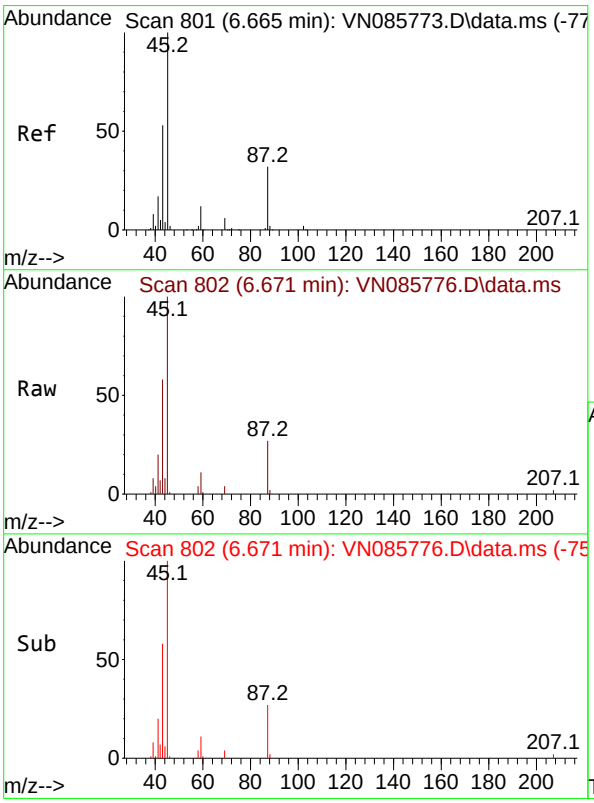
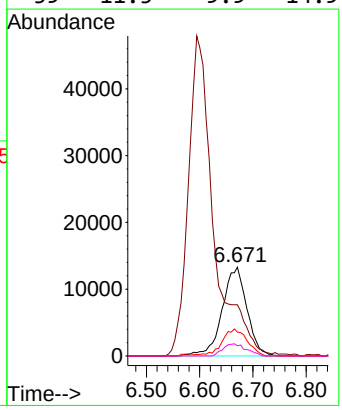
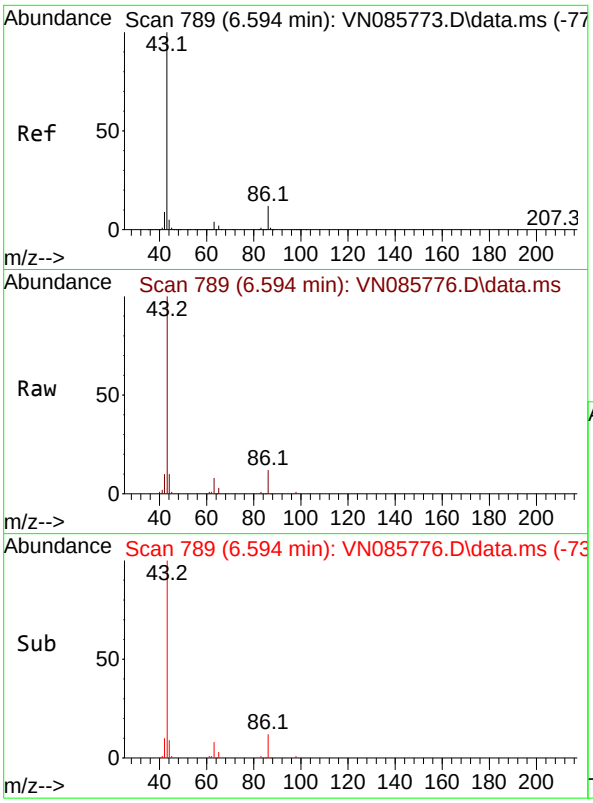


#22
Diisopropyl ether
Concen: 4.817 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 45 Resp: 42703

Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.6	64.0
87	26.8	25.8	38.8
59	11.5	9.9	14.9





#23
Vinyl Acetate
Concen: 23.273 ug/l m
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 14082

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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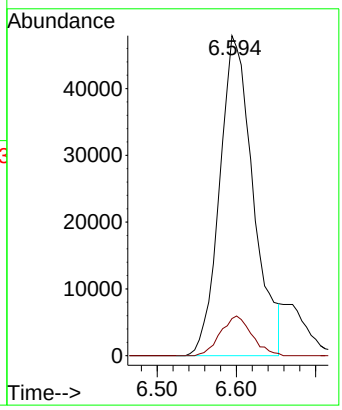
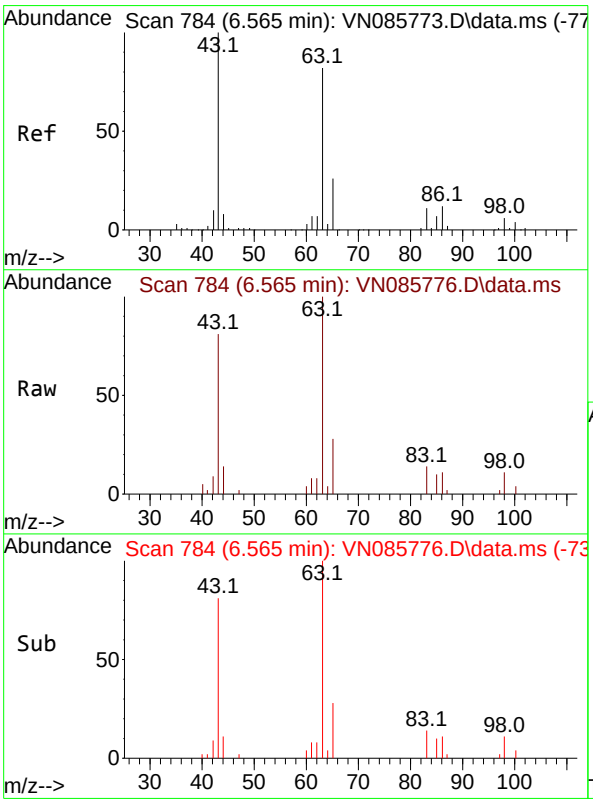
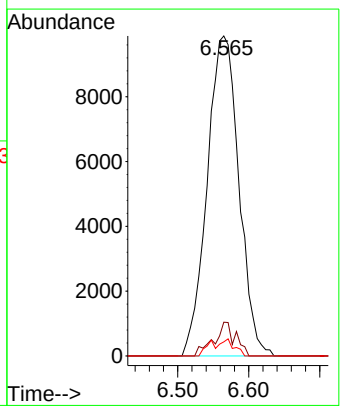


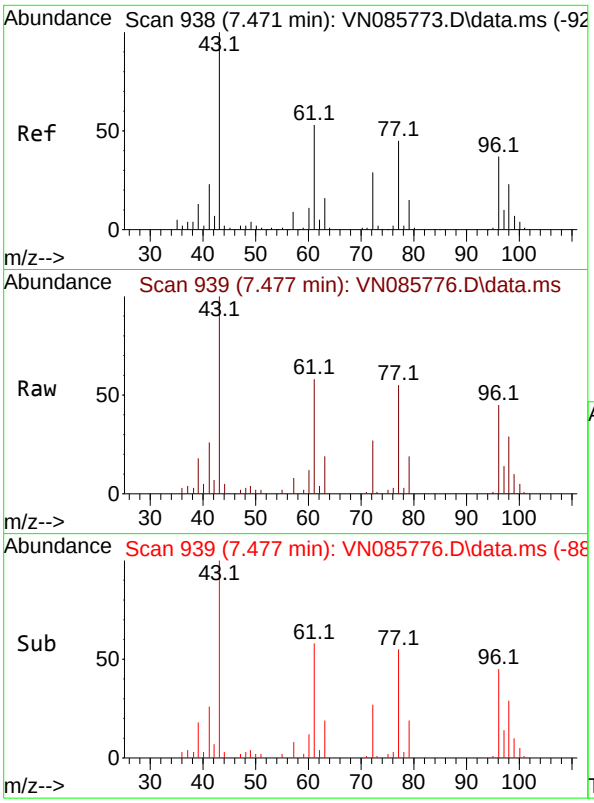


#24
1,1-Dichloroethane
Concen: 5.088 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 63 Resp: 30658

Ion	Ratio	Lower	Upper
63	100		
98	10.6	3.5	10.4#
100	4.4	2.4	7.2

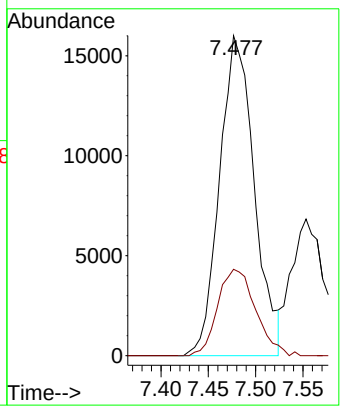




#25
2-Butanone
Concen: 24.809 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 4079

Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.6	35.4



Instrument :
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ClientSampleId :
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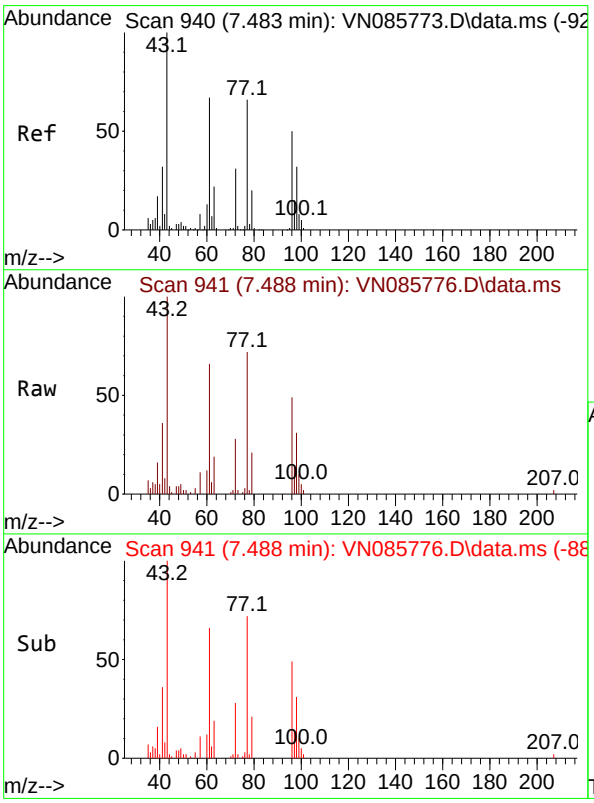
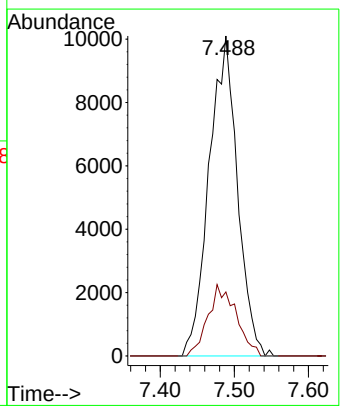
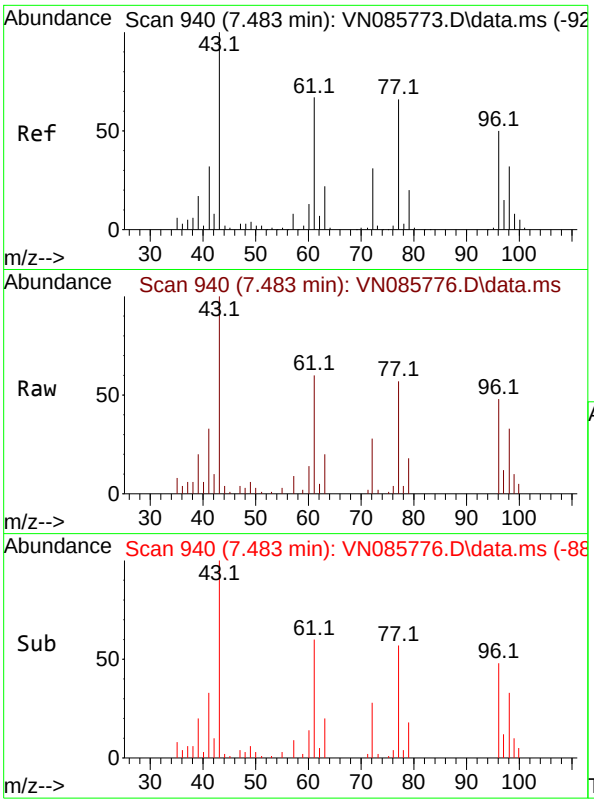


#26
2,2-Dichloropropane
Concen: 5.018 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 77 Resp: 26889

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.3	33.8

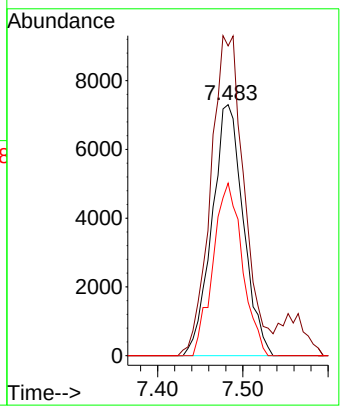




#27
cis-1,2-Dichloroethene
Concen: 5.006 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 96 Resp: 1867

Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	280.6
98	64.4	0.0	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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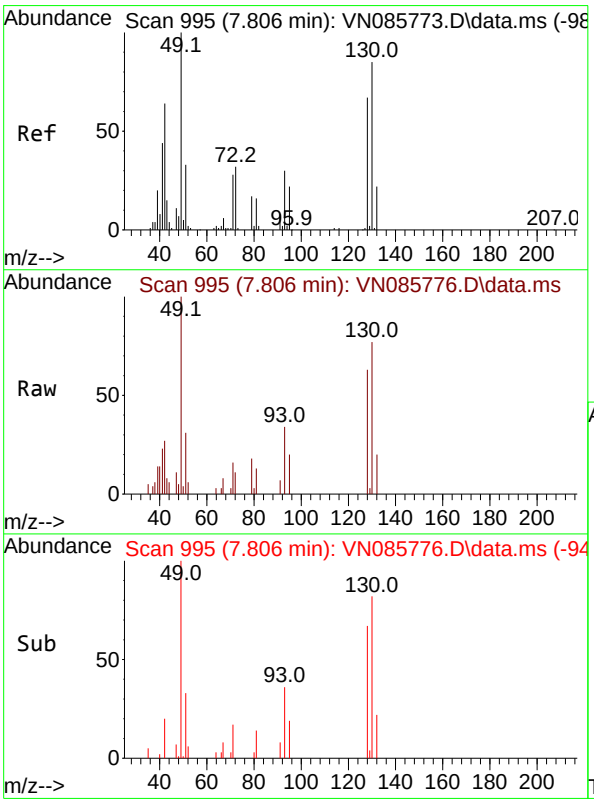
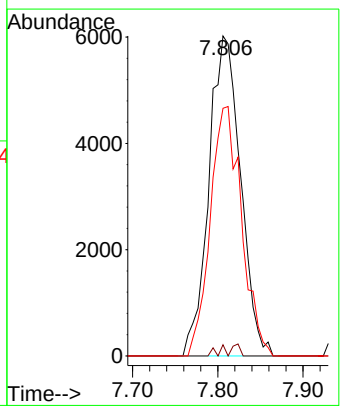
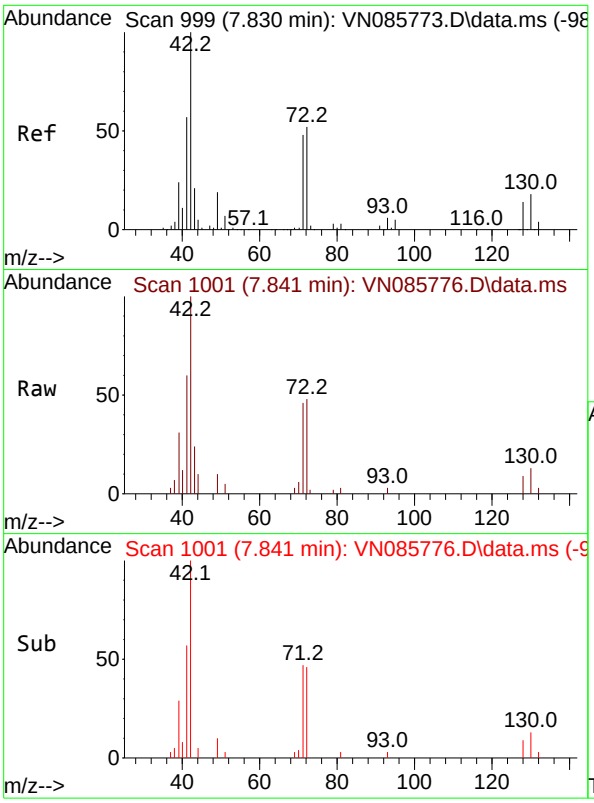


#28
Bromochloromethane
Concen: 6.276 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 49 Resp: 15543

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	76.8	68.0	102.0





#29
Tetrahydrofuran
Concen: 23.457 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 42 Resp: 2490

Ion	Ratio	Lower	Upper
42	100		
72	51.7	40.0	60.0
71	45.2	37.0	55.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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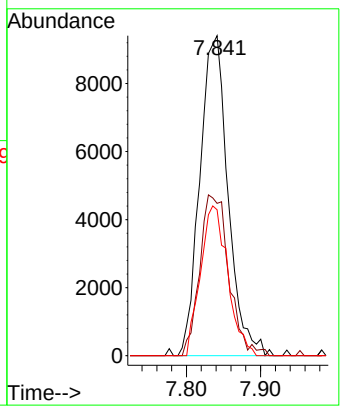
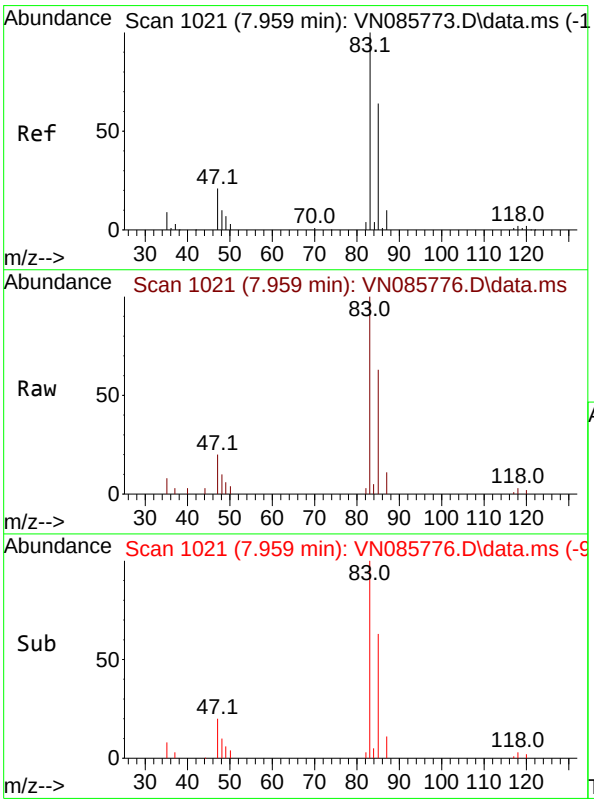
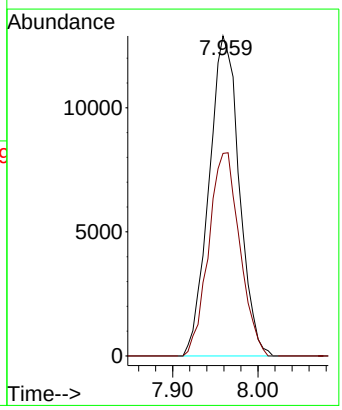


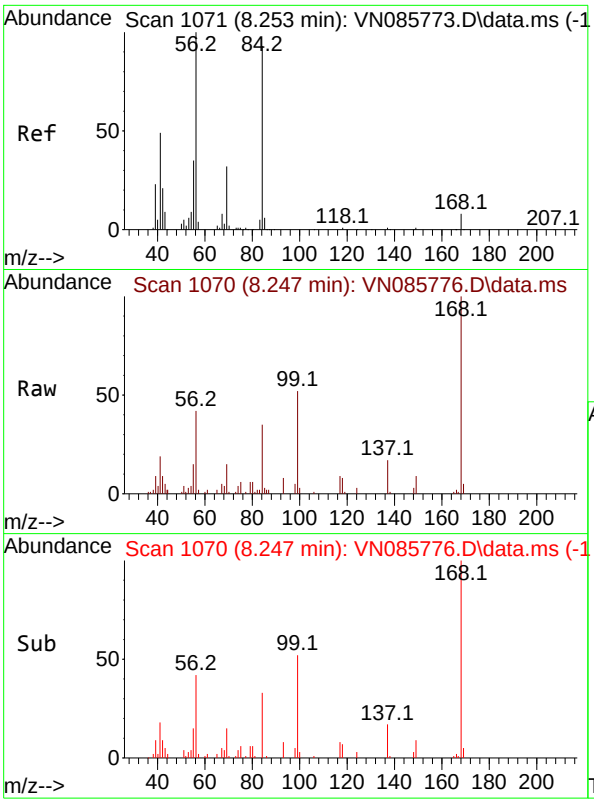


#30
Chloroform
Concen: 5.034 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 83 Resp: 31702

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3

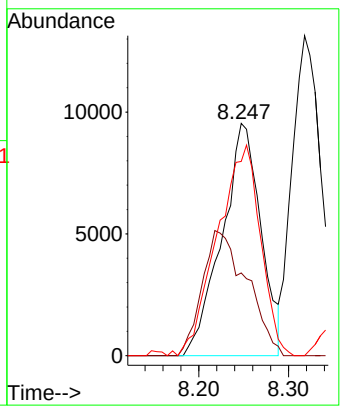




#31
Cyclohexane
Concen: 5.705 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 56 Resp: 2878

Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.8	38.6
84	83.6	74.5	111.7



Instrument :
MSVOA_N
ClientSampleId :
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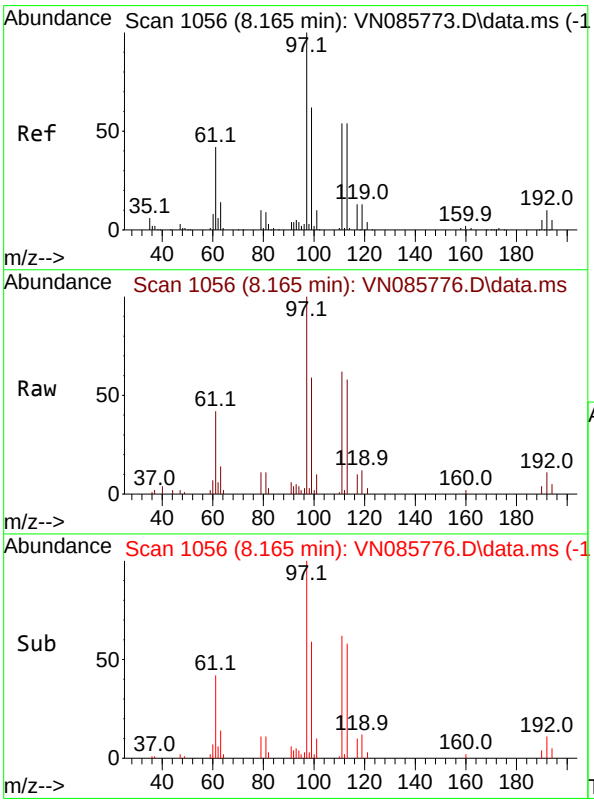
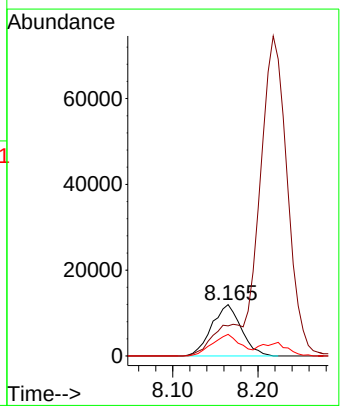
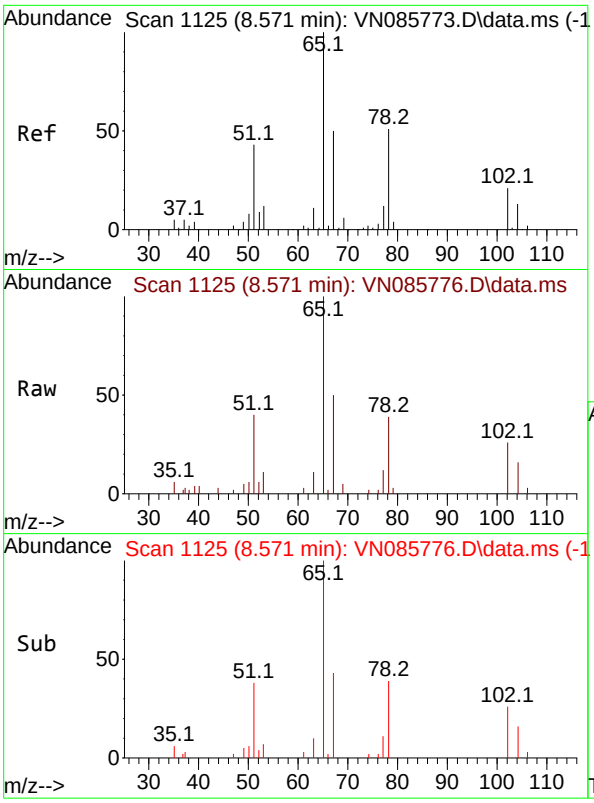


#32
1,1,1-Trichloroethane
Concen: 5.145 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 97 Resp: 28815

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	40.7	35.5	53.3

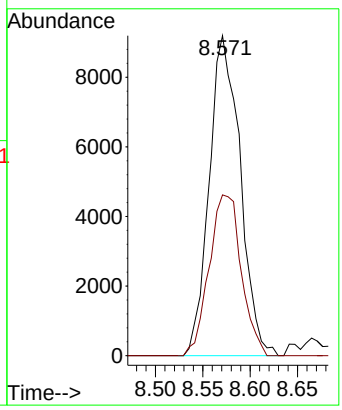




#33
1,2-Dichloroethane-d4
Concen: 5.918 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 65 Resp: 2090

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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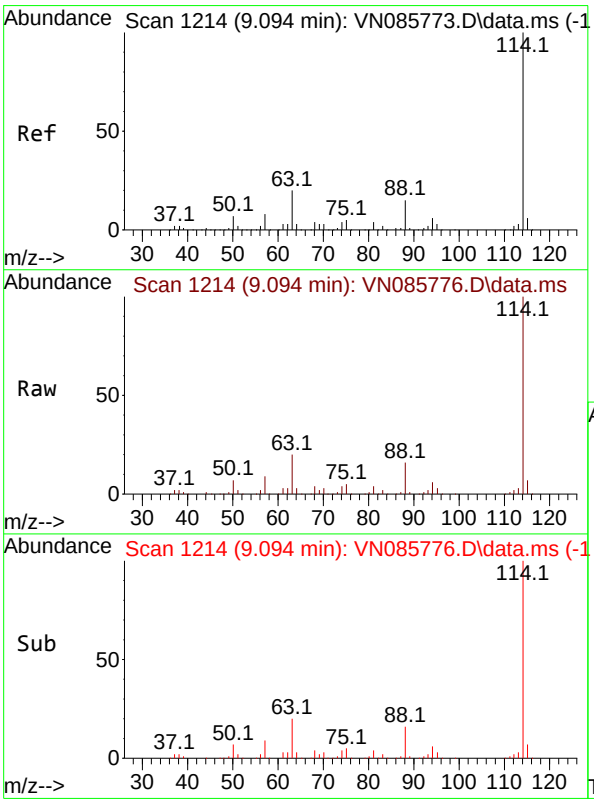
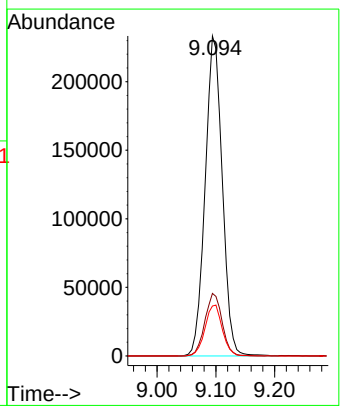
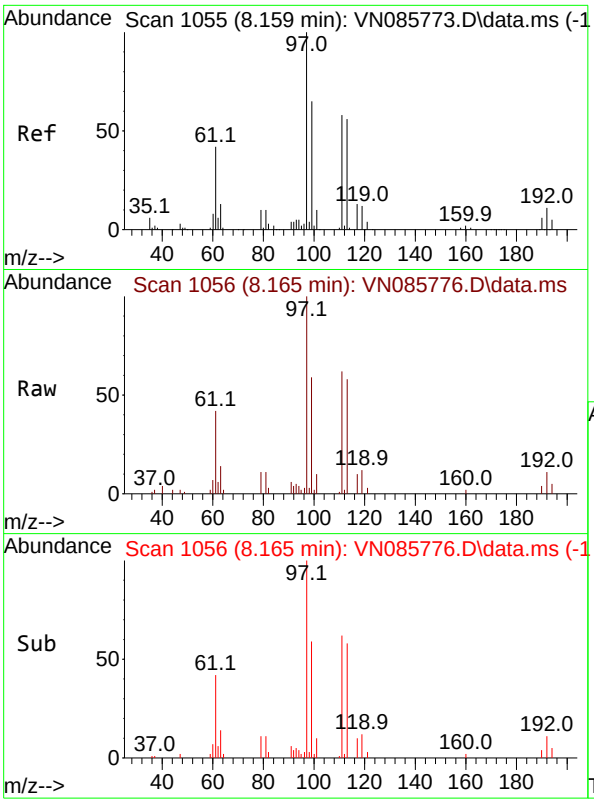


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:114 Resp: 471970

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.2
88	15.6	0.0	30.0

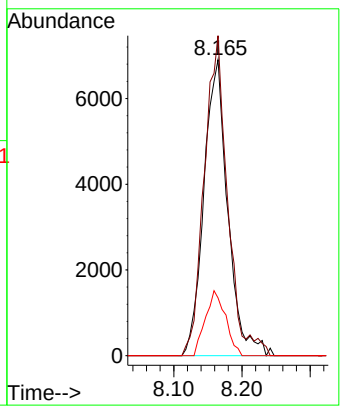




#35
Dibromofluoromethane
Concen: 5.461 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:113 Resp: 1686

Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.2	123.4
192	18.5	14.7	22.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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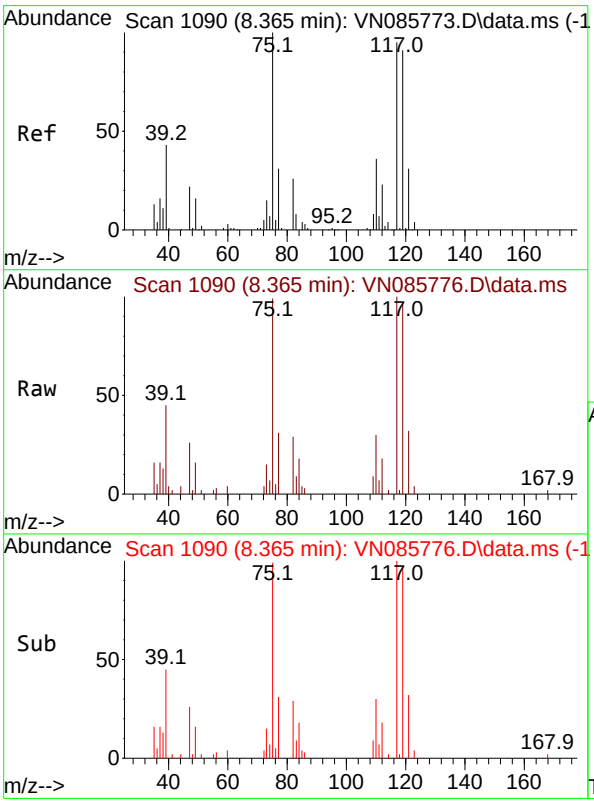
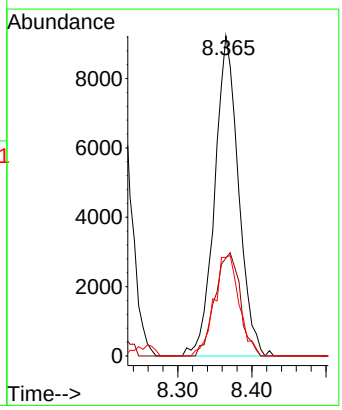
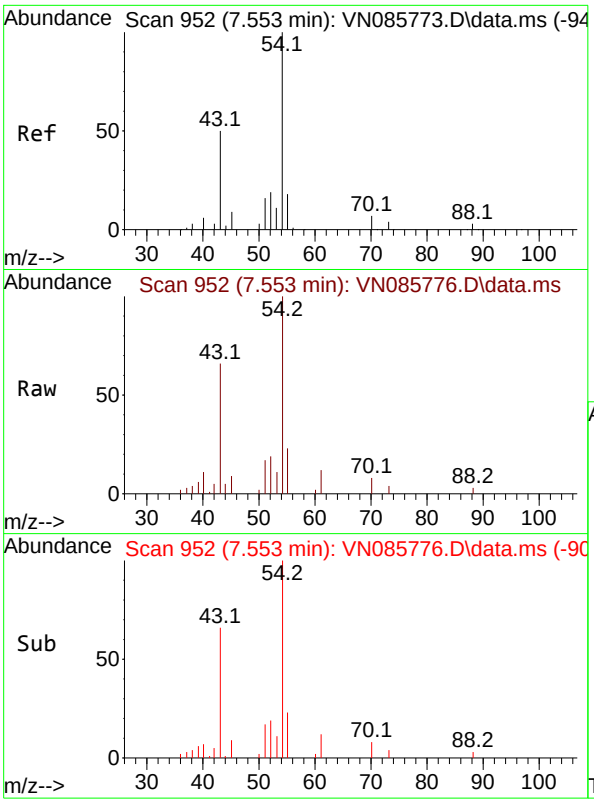


#36
1,1-Dichloropropene
Concen: 4.711 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 20593

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	33.0	24.6	37.0

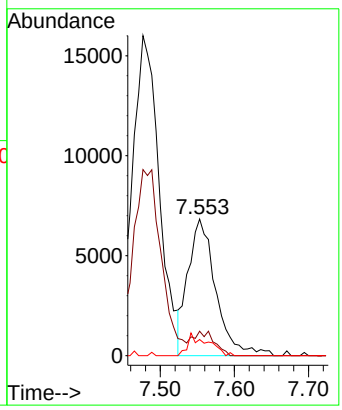




#37
Ethyl Acetate
Concen: 4.940 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 1776

Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.2	18.2
70	0.0	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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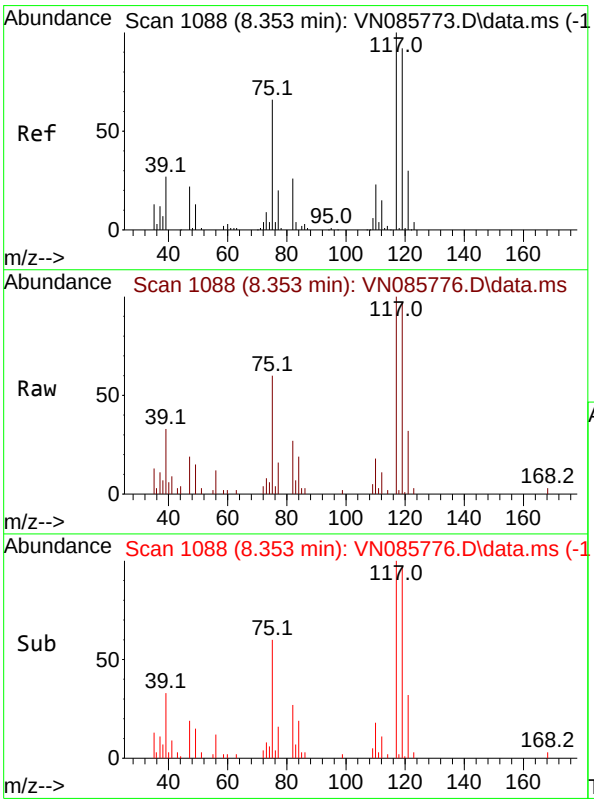
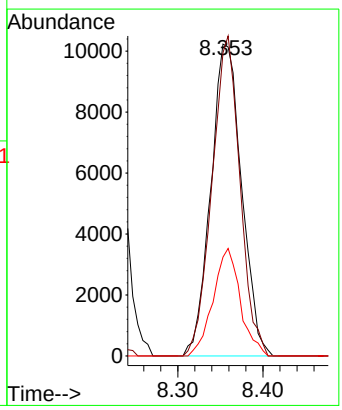
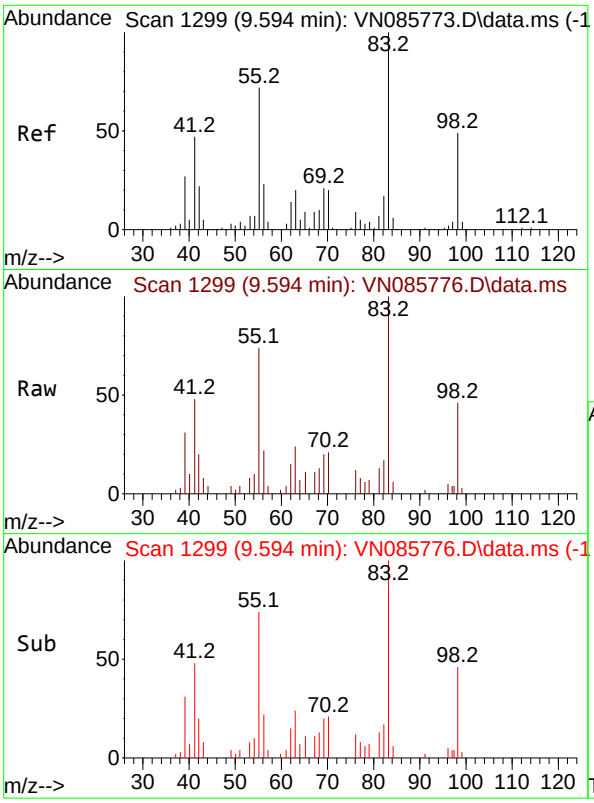


#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:117 Resp: 25734

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.8	110.6
121	31.7	24.3	36.5





#39
Methylcyclohexane
Concen: 4.451 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 83 Resp: 1911

Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.5	86.3
98	45.8	39.2	58.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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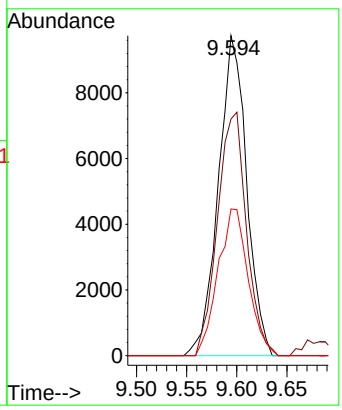
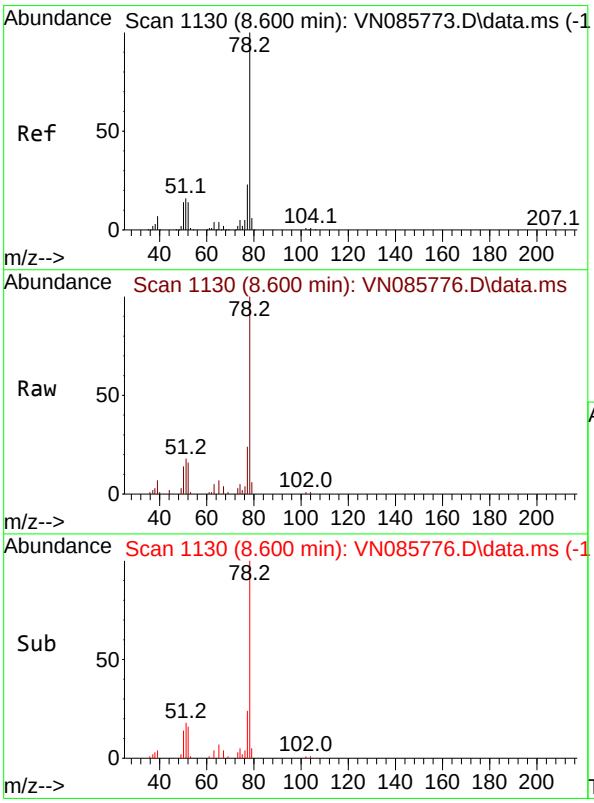
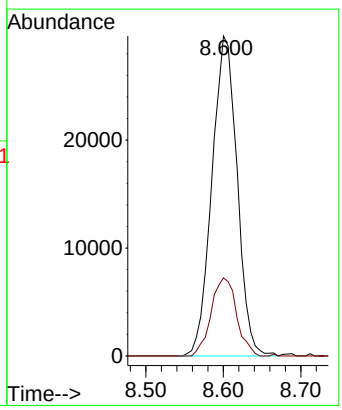


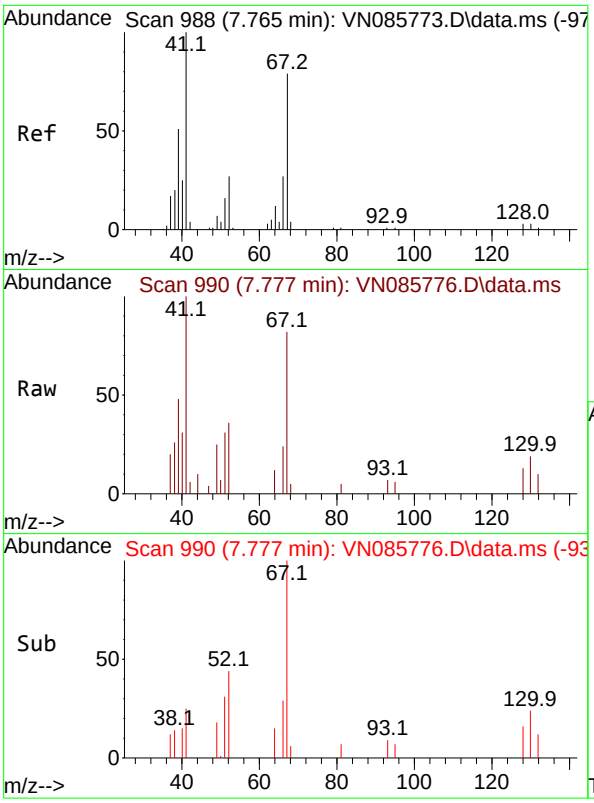


#40
Benzene
Concen: 4.786 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 78 Resp: 67051

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.3	27.5

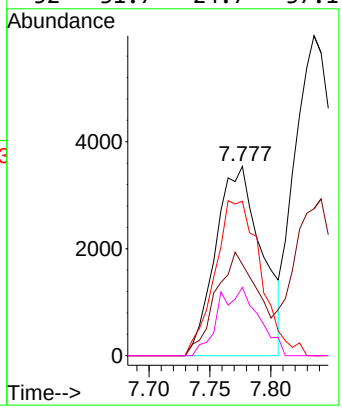




#41
Methacrylonitrile
Concen: 4.835 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 41 Resp: 929

Ion	Ratio	Lower	Upper
41	100		
39	49.9	42.0	63.0
67	81.8	64.2	96.4
52	31.7	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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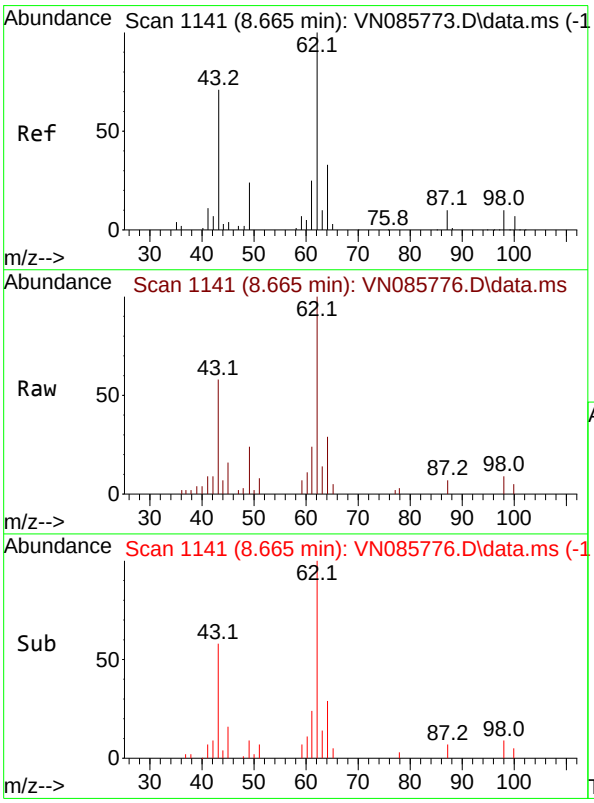
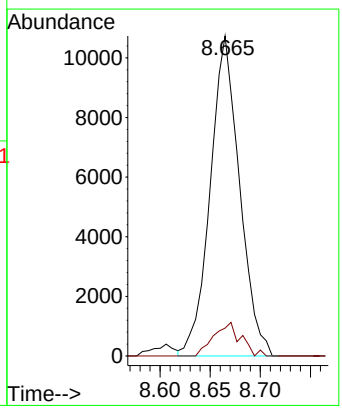
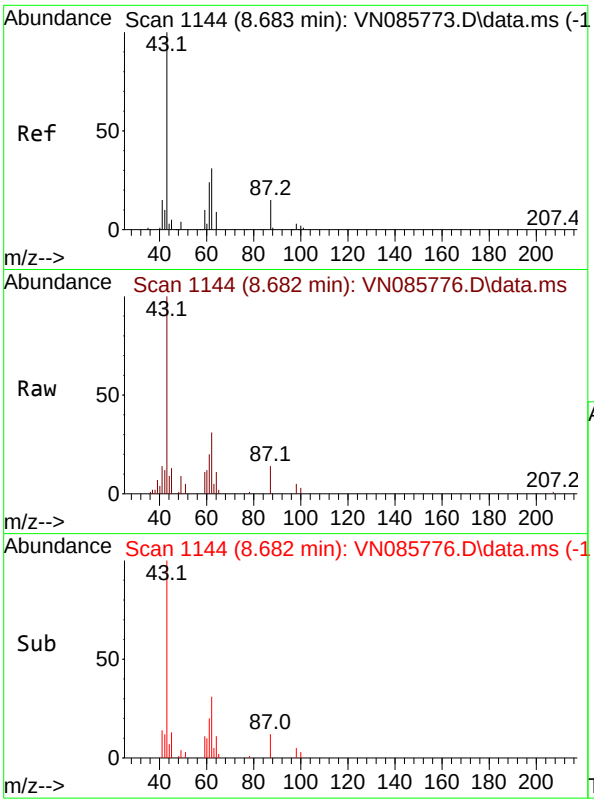


#42
1,2-Dichloroethane
Concen: 4.796 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 62 Resp: 21886

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





#43
Isopropyl Acetate
Concen: 5.059 ug/l
RT: 8.682 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 3503

Ion	Ratio	Lower	Upper
43	100		
61	23.7	22.6	34.0
87	12.2	11.8	17.8

Instrument :
MSVOA_N
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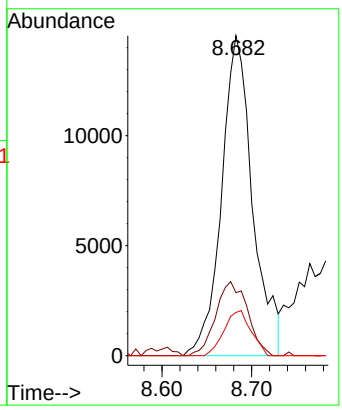
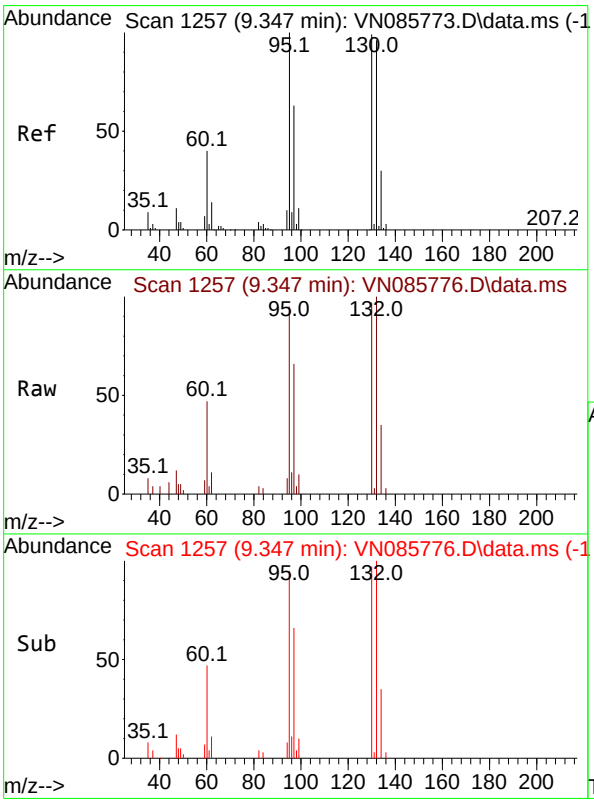
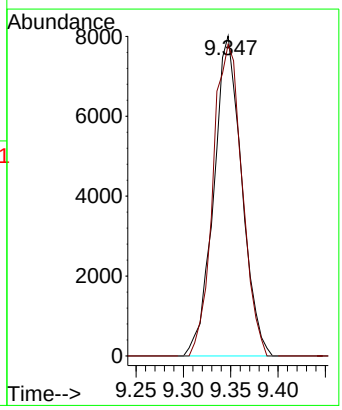


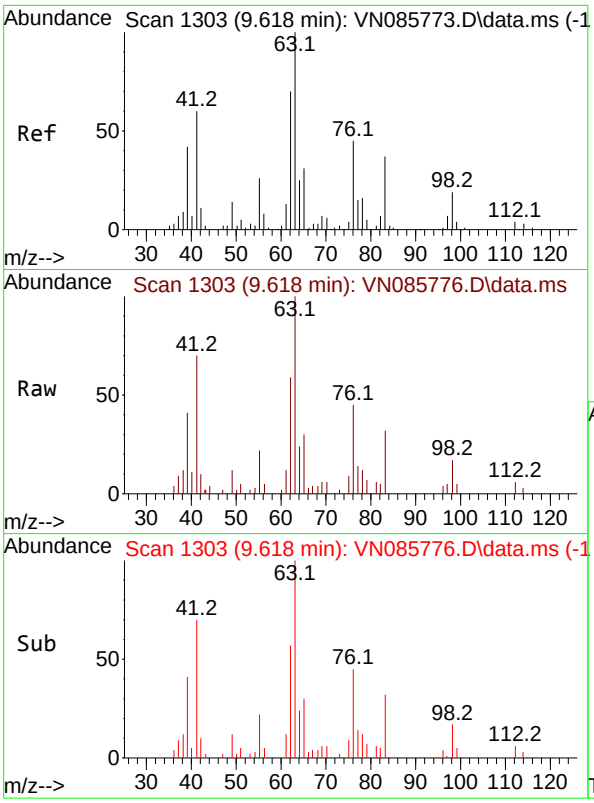


#44
Trichloroethene
Concen: 4.801 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:130 Resp: 16513

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	202.6





#45
1,2-Dichloropropane
Concen: 4.799 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 63 Resp: 1622

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.1	37.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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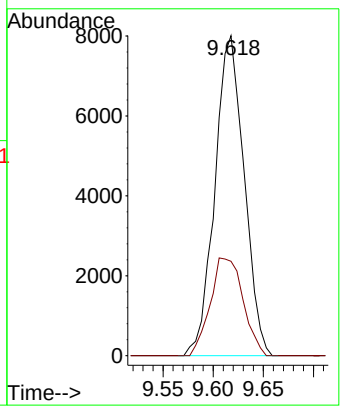
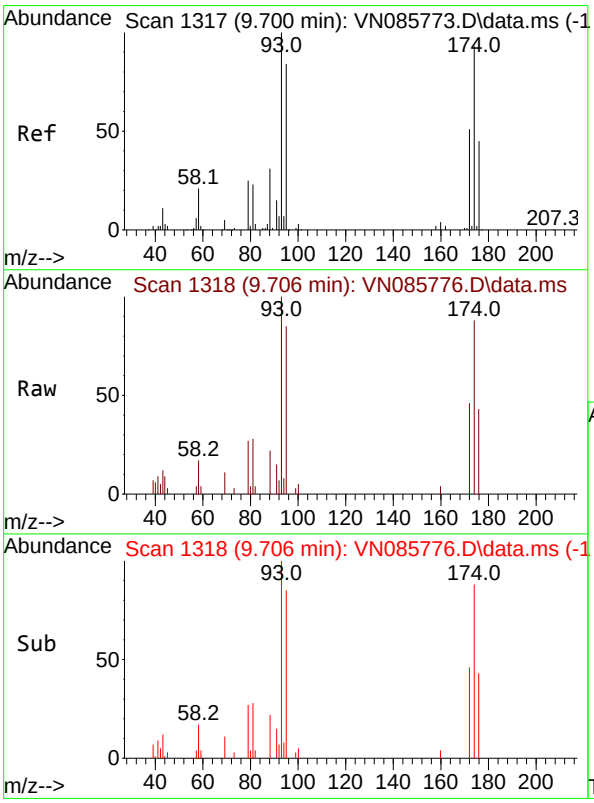
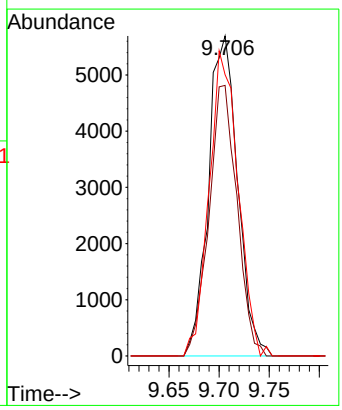


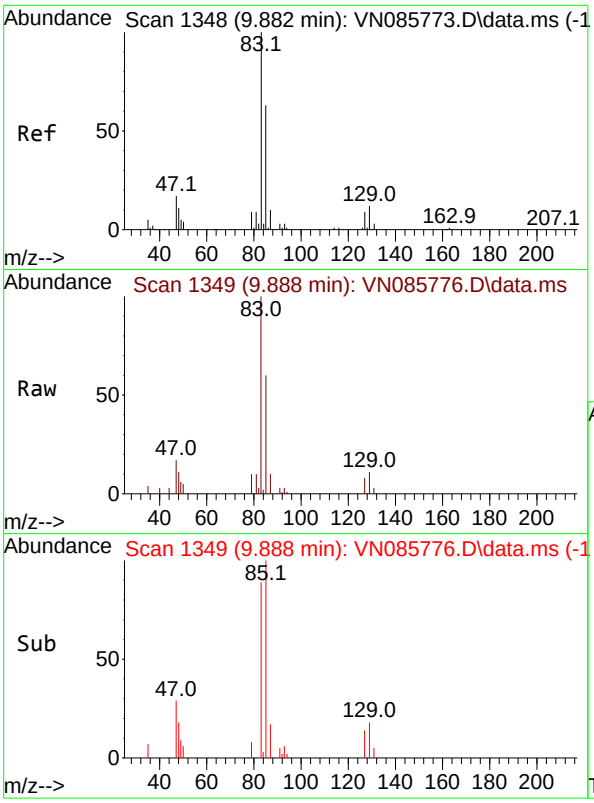


#46
Dibromomethane
Concen: 4.840 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 93 Resp: 11544

Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.7	100.1
174	94.4	77.2	115.8

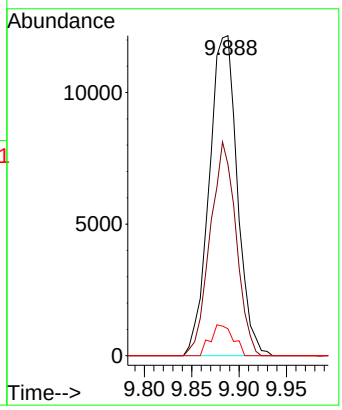




#47
Bromodichloromethane
Concen: 4.929 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 83 Resp: 2515

Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.5	75.7
127	8.4	7.2	10.8



Instrument :
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ClientSampleId :
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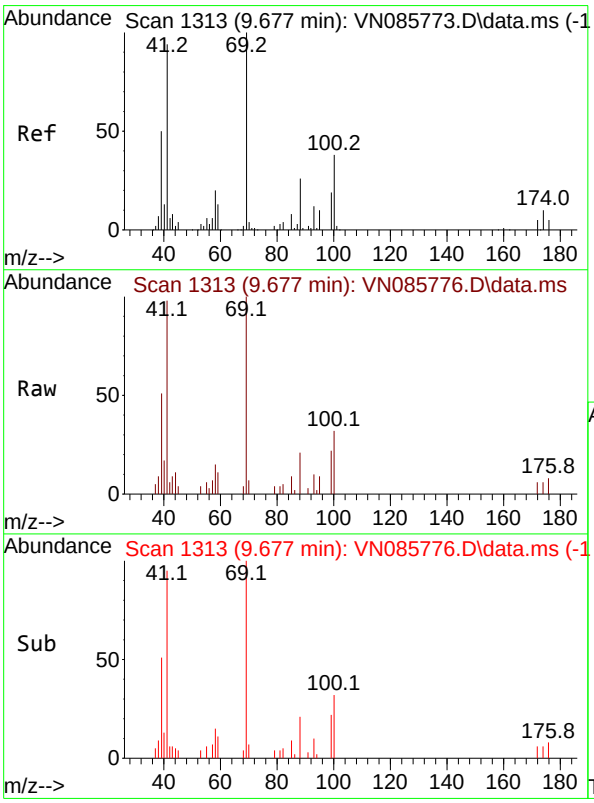
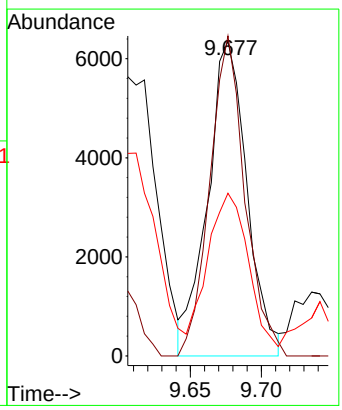
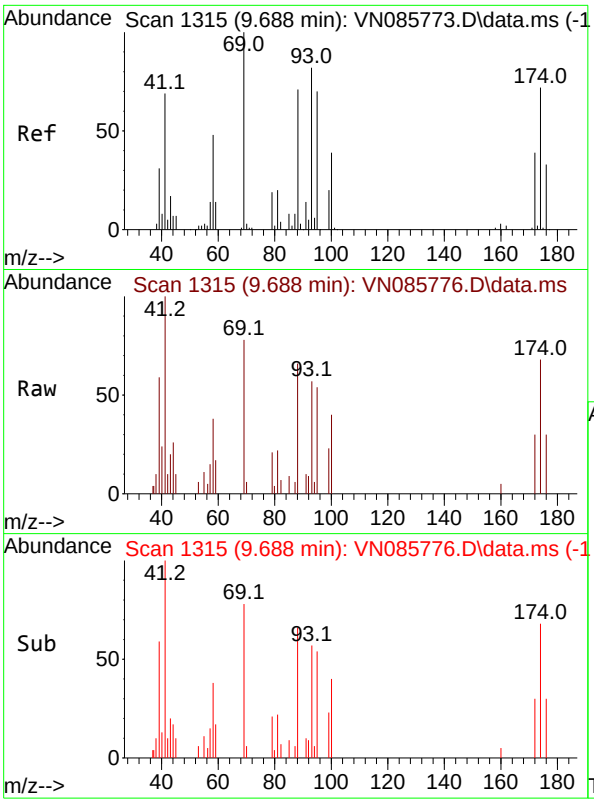


#48
Methyl methacrylate
Concen: 4.567 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 41 Resp: 12200

Ion	Ratio	Lower	Upper
41	100		
69	91.5	76.0	114.0
39	55.0	42.3	63.5

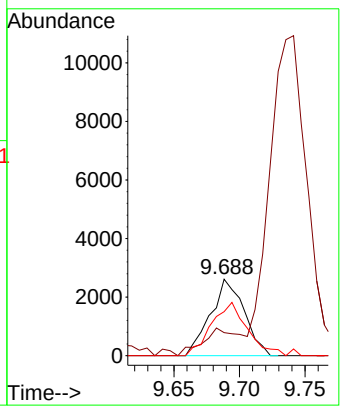




#49
1,4-Dioxane
Concen: 91.913 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 88 Resp: 466

Ion	Ratio	Lower	Upper
88	100		
43	36.1	18.6	27.8
58	75.8	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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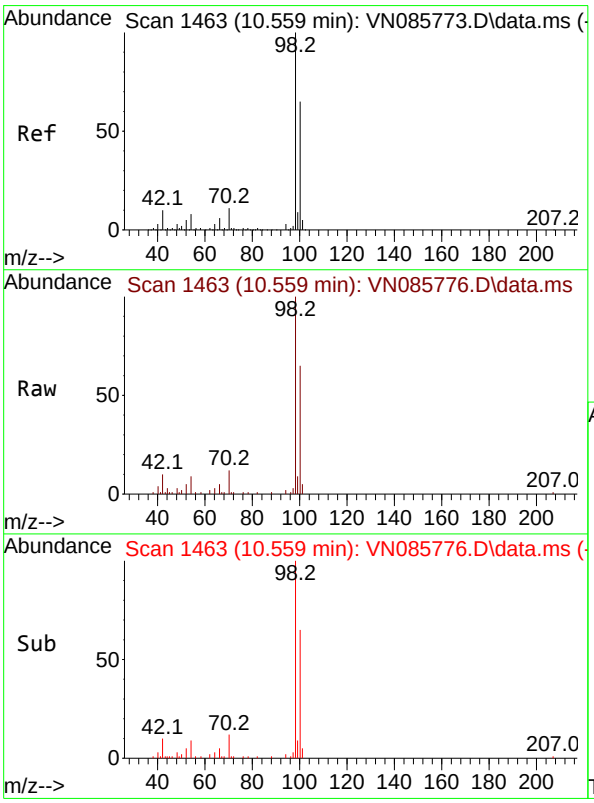
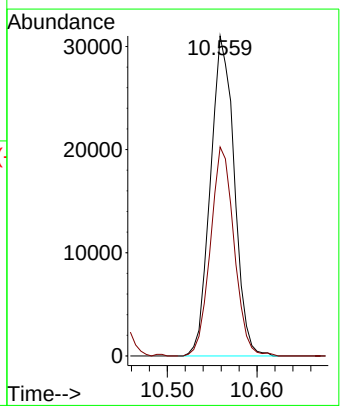
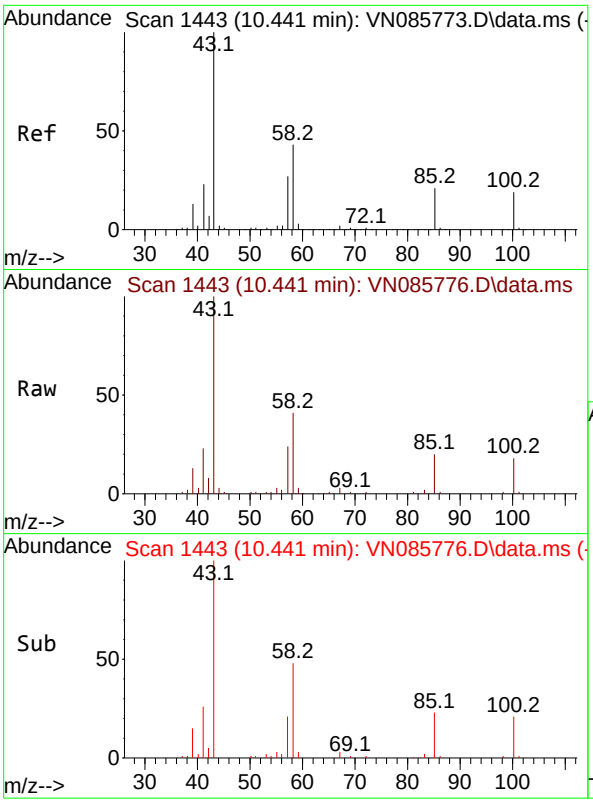


#50
Toluene-d8
Concen: 5.089 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 98 Resp: 57180

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 23.260 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 8066

Ion	Ratio	Lower	Upper
43	100		
58	41.0	34.6	52.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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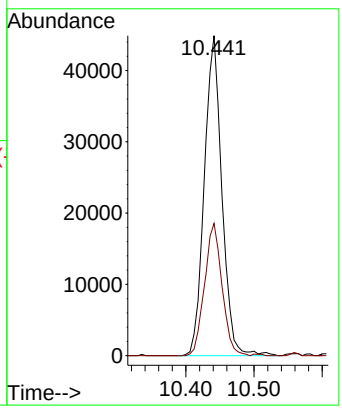
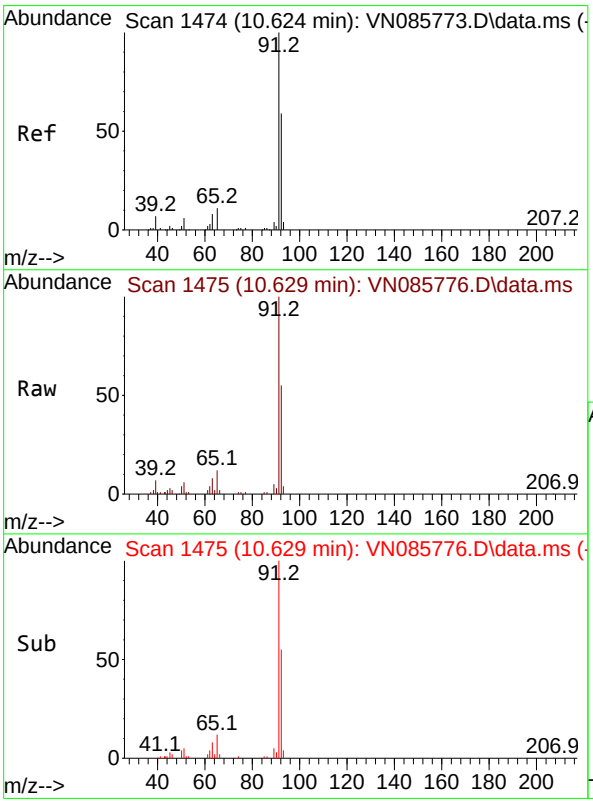
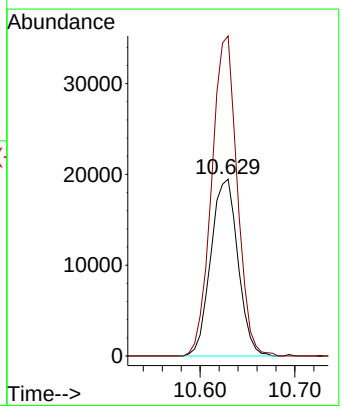


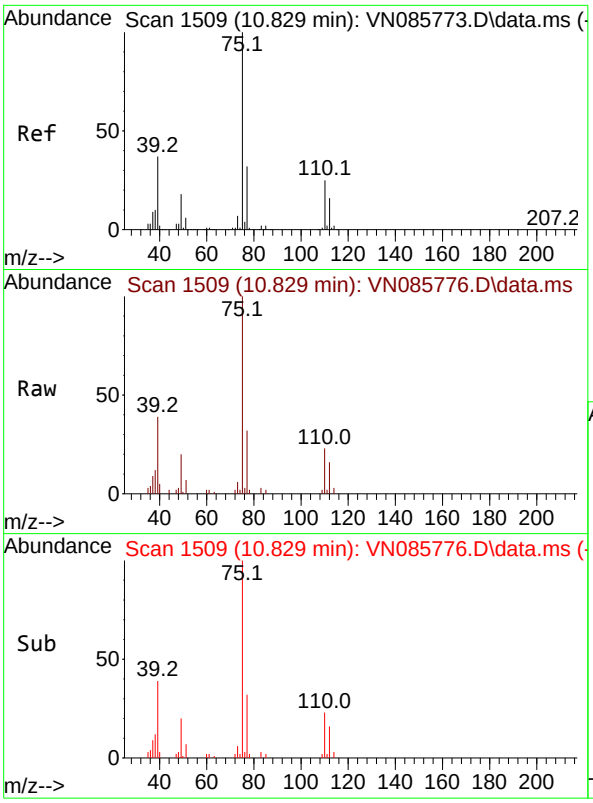


#52
Toluene
Concen: 4.713 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 92 Resp: 38701

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.9	205.3

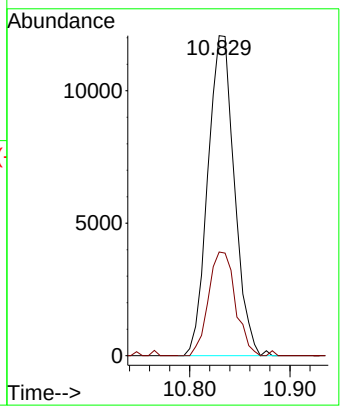




#53
t-1,3-Dichloropropene
Concen: 4.708 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 2221

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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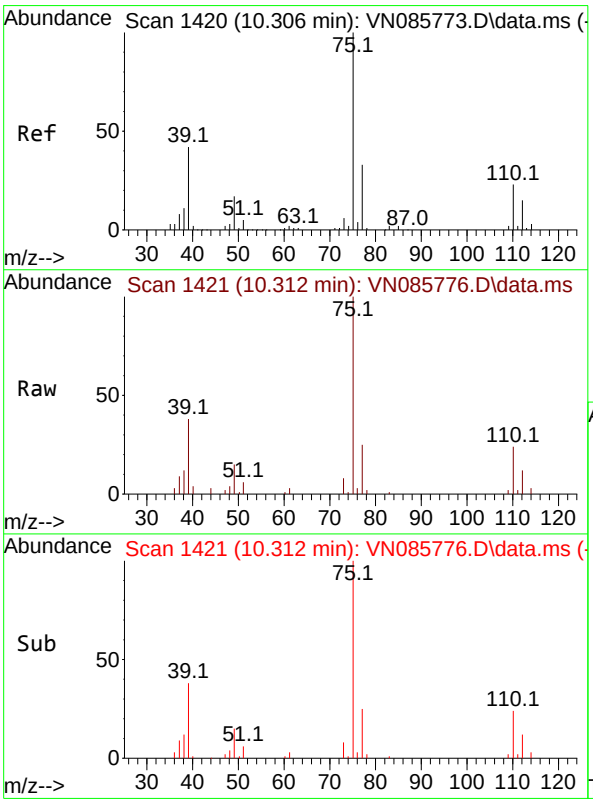
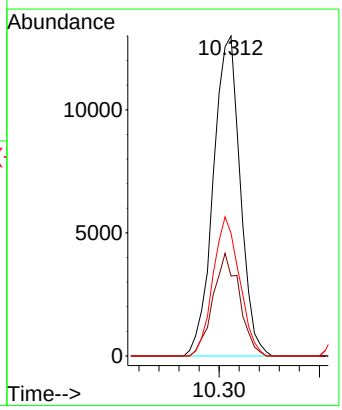
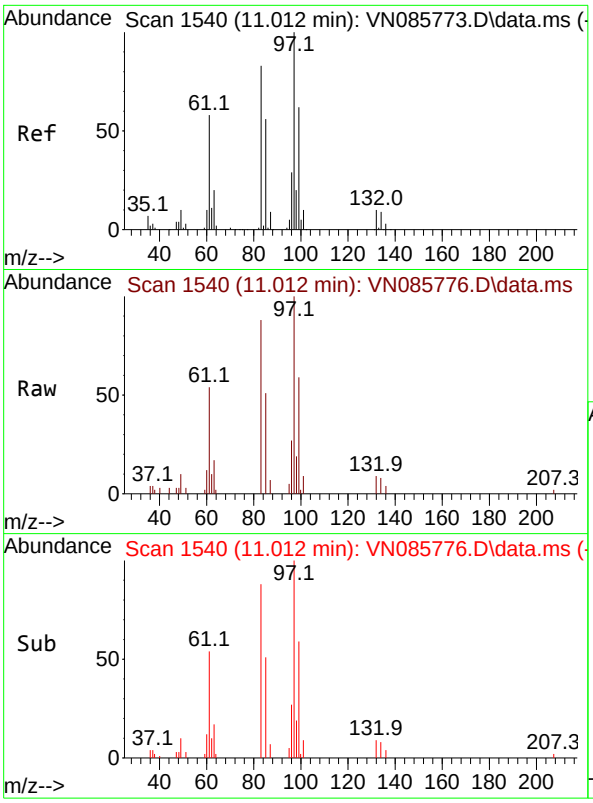


#54
cis-1,3-Dichloropropene
Concen: 4.684 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 24235

Ion	Ratio	Lower	Upper
75	100		
77	25.0	26.1	39.1#
39	38.4	33.4	50.0

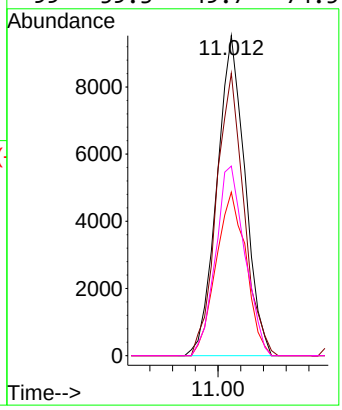




#55
1,1,2-Trichloroethane
Concen: 5.008 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 97 Resp: 1635

Ion	Ratio	Lower	Upper
97	100		
83	88.2	66.1	99.1
85	51.1	44.7	67.1
99	59.3	49.7	74.5



Instrument :
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ClientSampleId :
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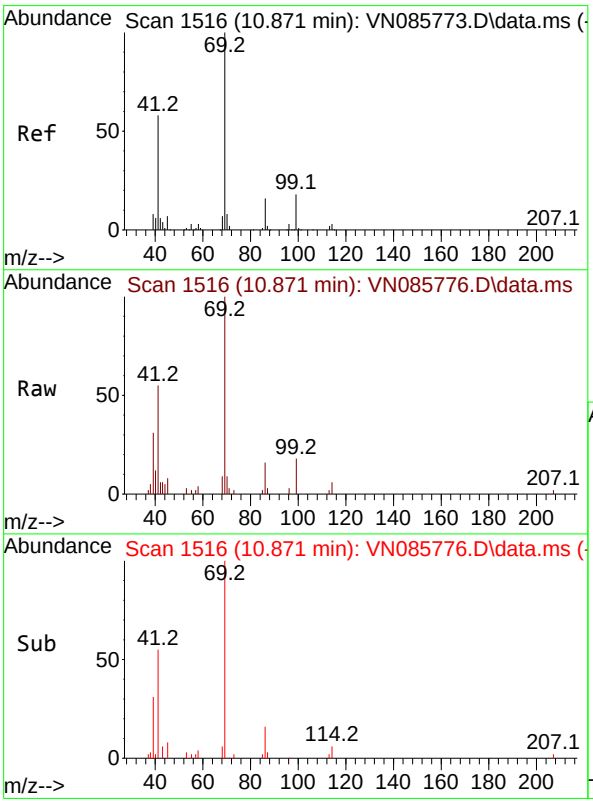
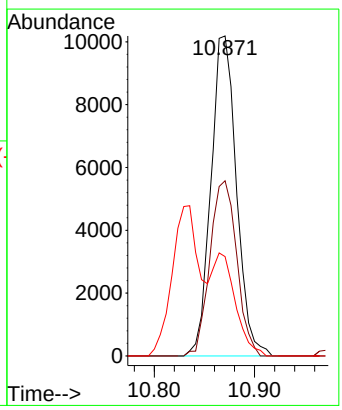
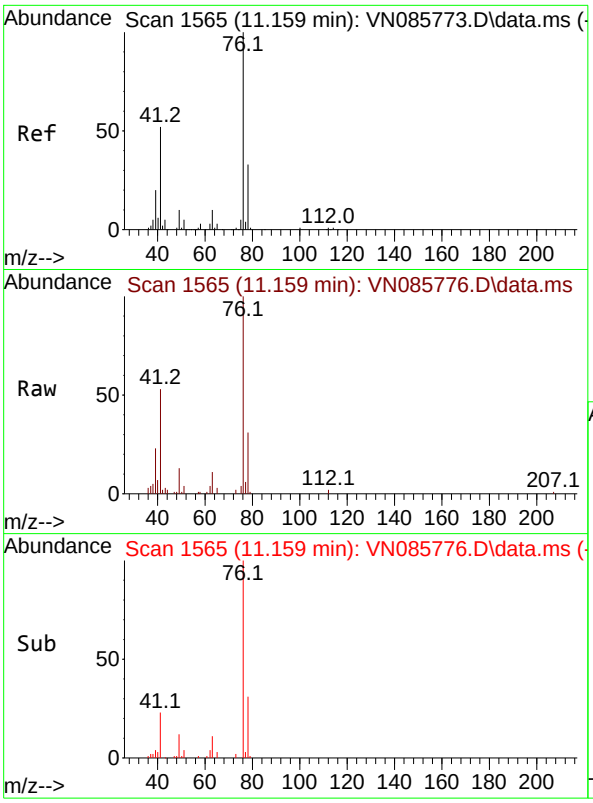


#56
Ethyl methacrylate
Concen: 4.704 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 69 Resp: 18032

Ion	Ratio	Lower	Upper
69	100		
41	57.4	46.0	69.0
39	28.9	22.0	33.0

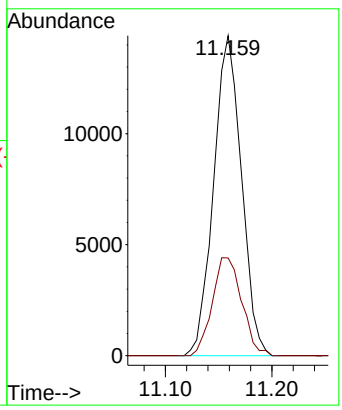




#57
1,3-Dichloropropane
Concen: 4.792 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 76 Resp: 2611

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9



Instrument :
MSVOA_N
ClientSampleId :
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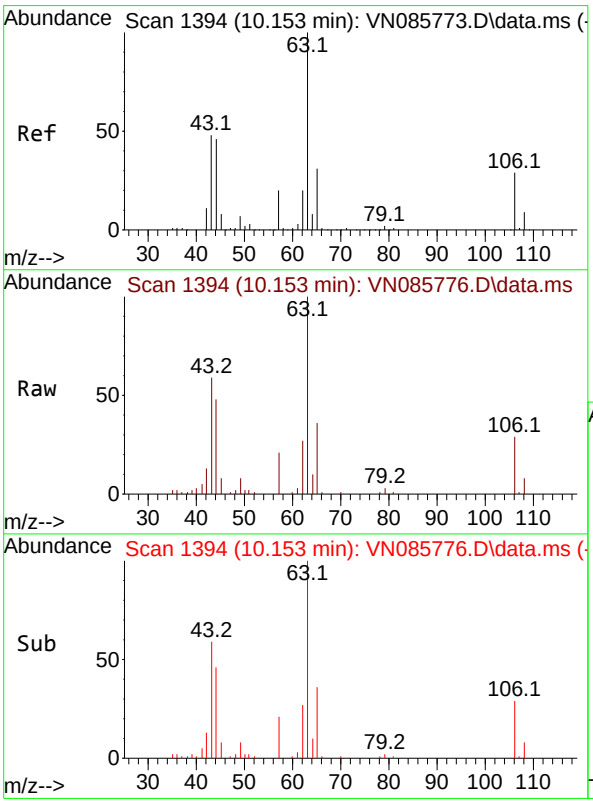
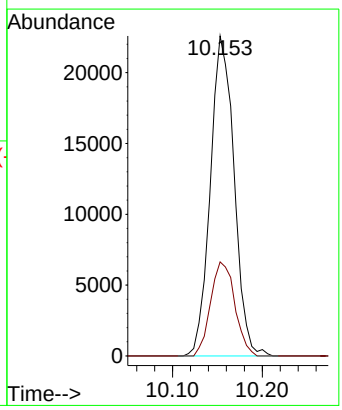
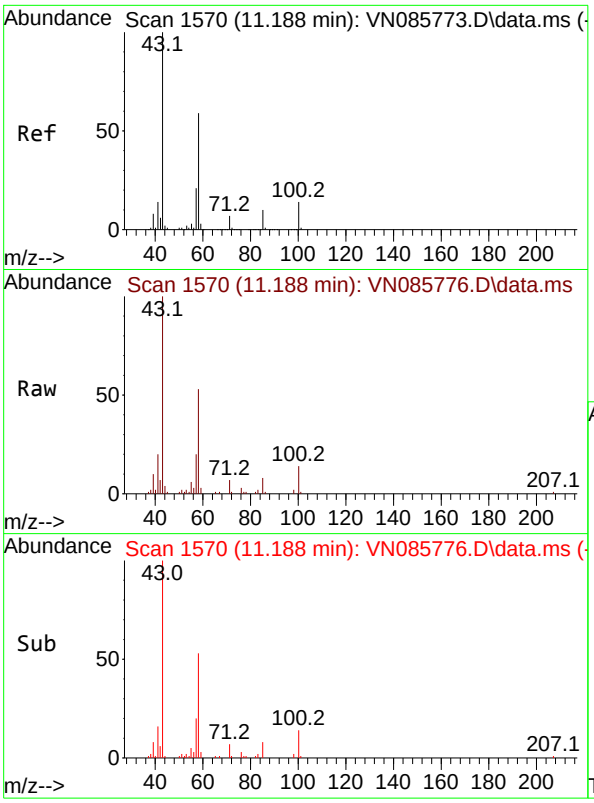


#58
2-Chloroethyl Vinyl ether
Concen: 14.159 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 63 Resp: 41567

Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.7	34.1

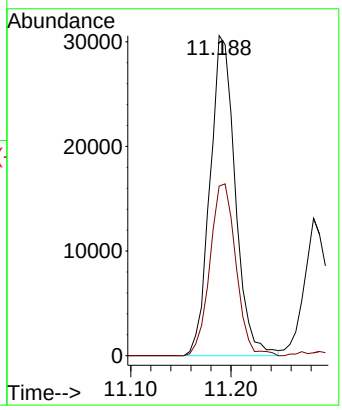




#59
2-Hexanone
Concen: 22.424 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 5349

Ion	Ratio	Lower	Upper
43	100		
58	55.1	29.8	89.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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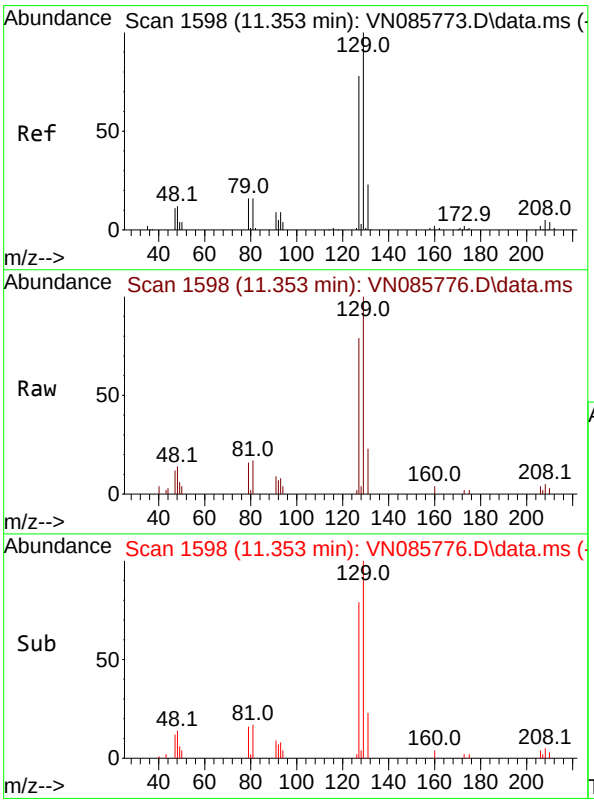
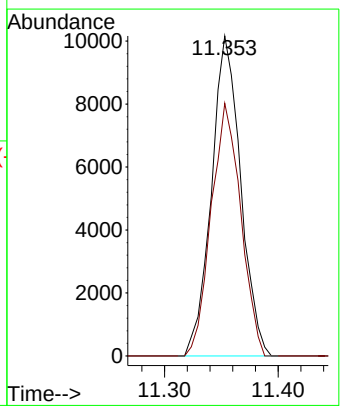
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

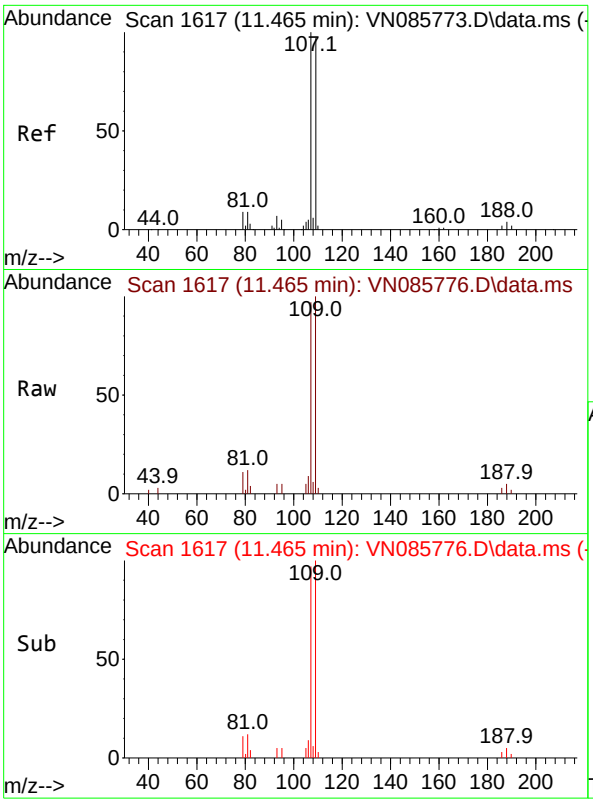


#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:129 Resp: 18137

Ion	Ratio	Lower	Upper
129	100		
127	79.9	39.1	117.5





#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:107 Resp: 1509

Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.0	114.0

Instrument :
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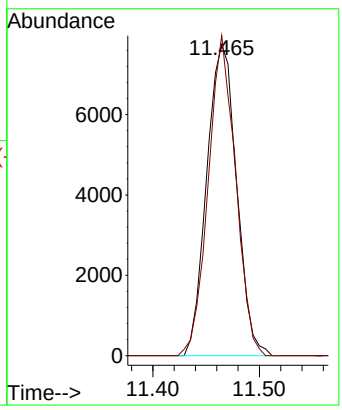
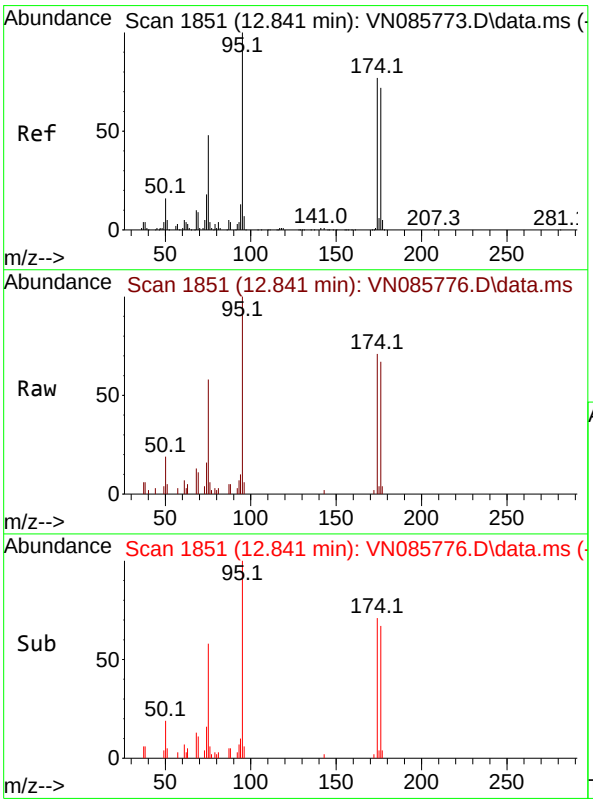
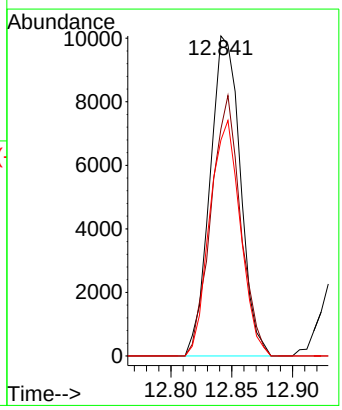


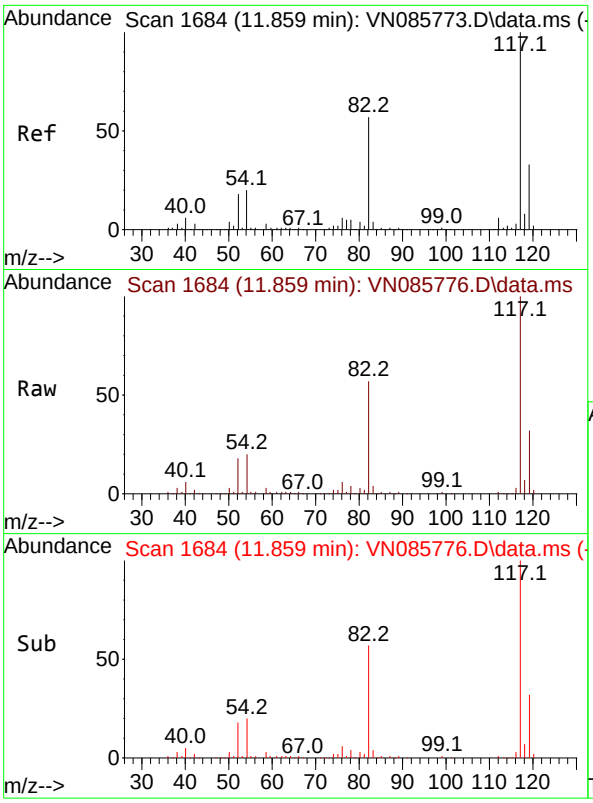


#62
4-Bromofluorobenzene
Concen: 4.723 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 95 Resp: 17484

Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	152.4
176	74.1	0.0	146.6

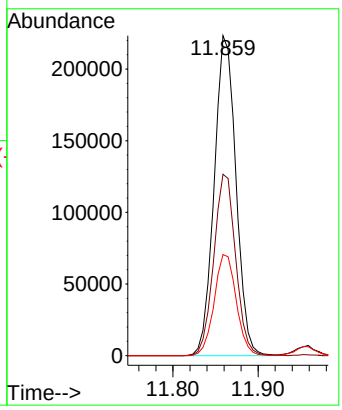




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:117 Resp: 39688

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.7	68.5
119	31.6	26.2	39.2



Instrument :
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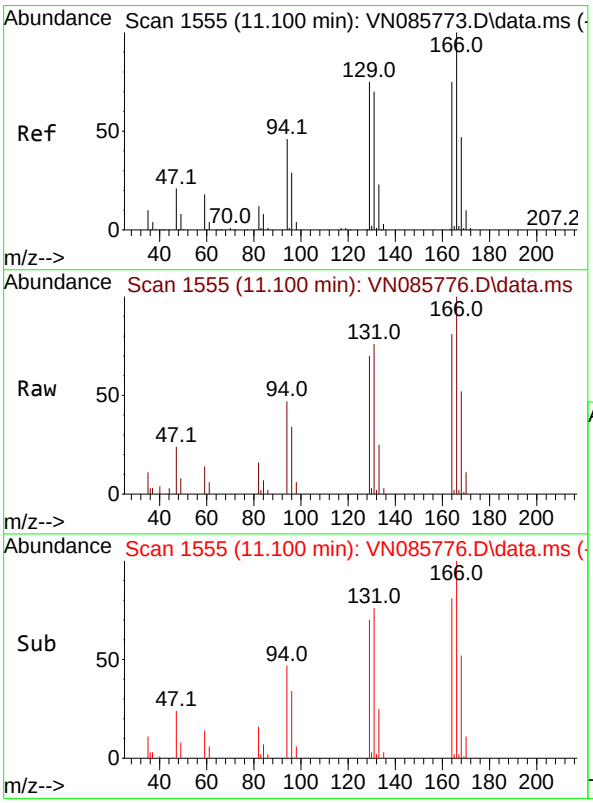
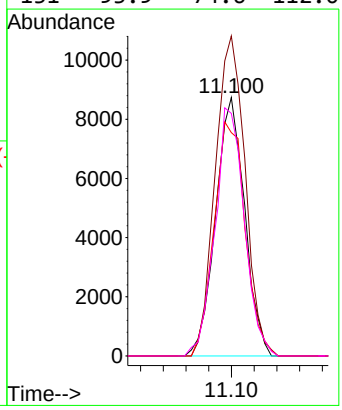
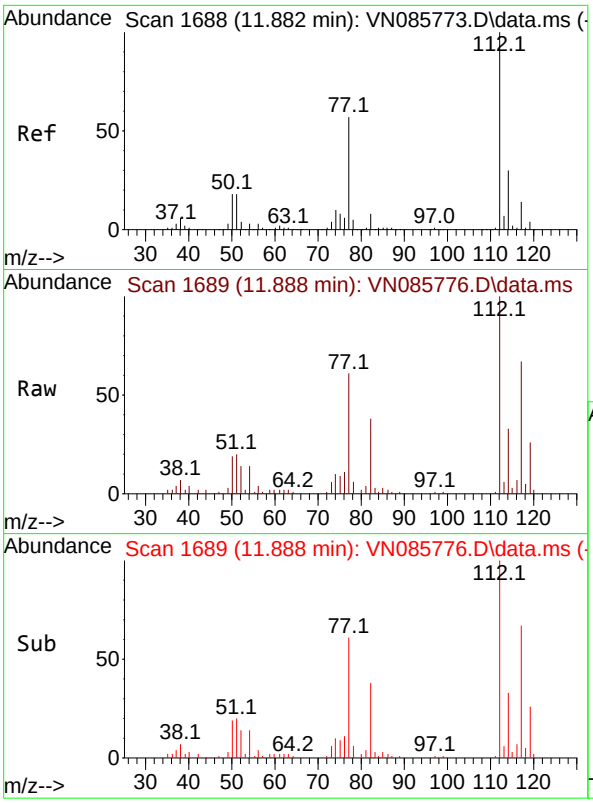


#64
Tetrachloroethene
Concen: 5.043 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:164 Resp: 15504

Ion	Ratio	Lower	Upper
164	100		
166	123.9	107.2	160.8
129	86.5	80.7	121.1
131	93.9	74.6	112.0

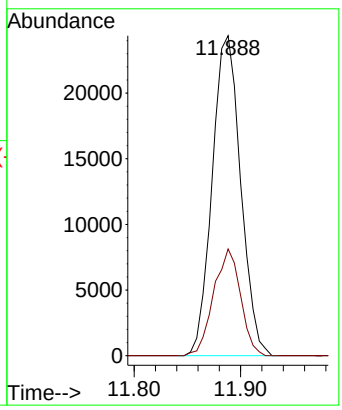




#65
Chlorobenzene
Concen: 4.973 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:112 Resp: 4521

Ion	Ratio	Lower	Upper
112	100		
114	33.4	24.3	36.5



Instrument :
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ClientSampleId :
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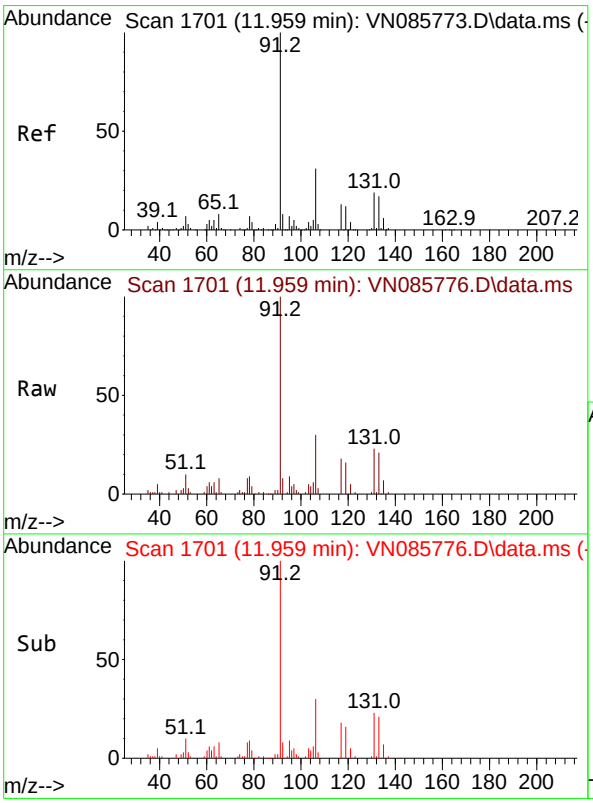
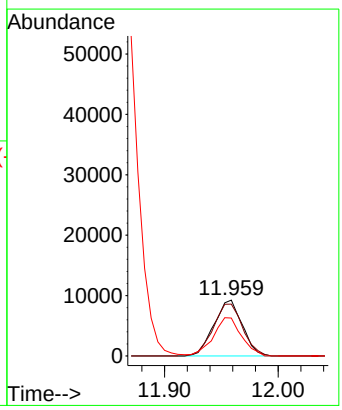
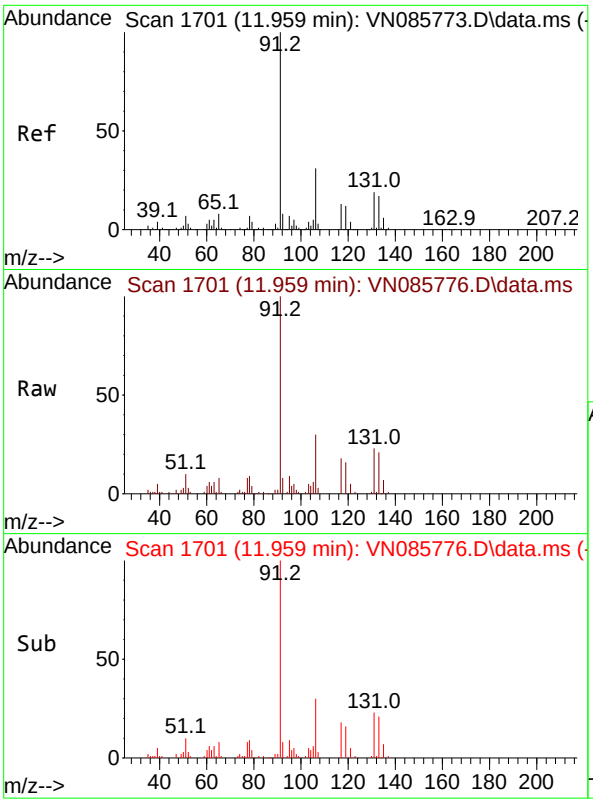


#66
1,1,1,2-Tetrachloroethane
Concen: 4.880 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:131 Resp: 15949

Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.7	143.1
119	68.5	33.3	99.8

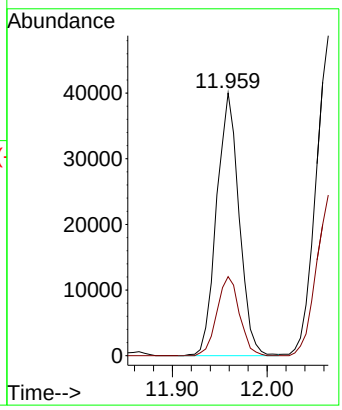




#67
Ethyl Benzene
Concen: 4.640 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 91 Resp: 6607

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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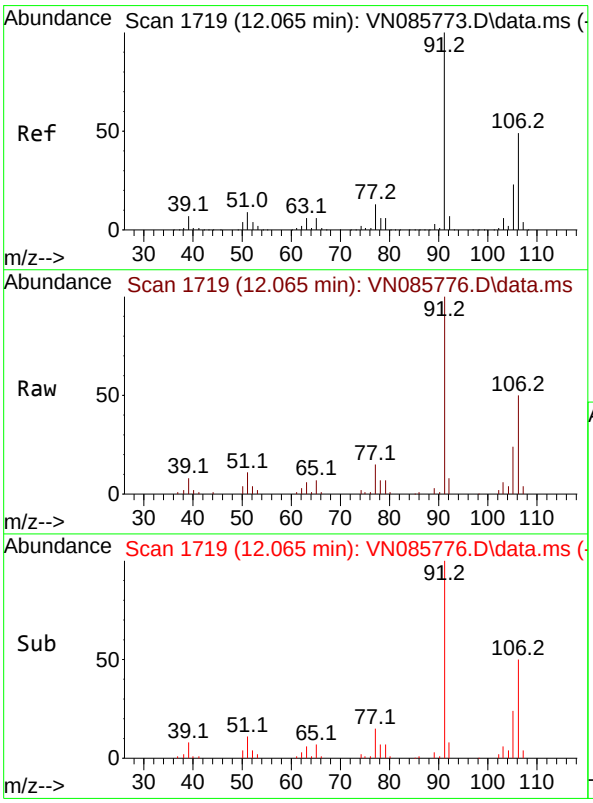
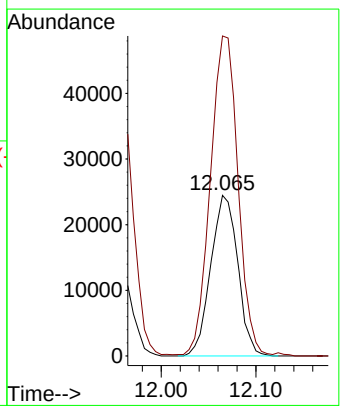
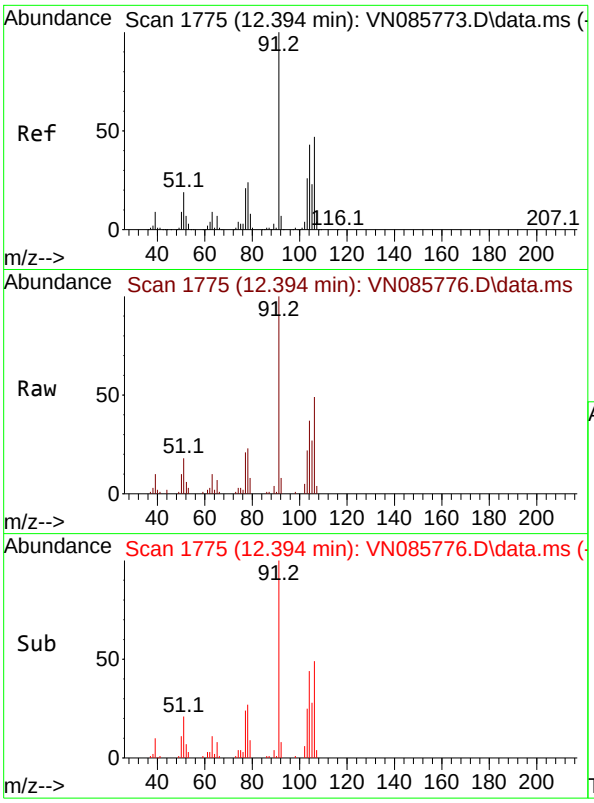


#68
m/p-Xylenes
Concen: 8.949 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:106 Resp: 48412

Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.3	244.9





#69
o-Xylene
Concen: 4.512 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:106 Resp: 2319

Ion	Ratio	Lower	Upper
106	100		
91	213.9	107.1	321.4

Instrument :
MSVOA_N
ClientSampleId :
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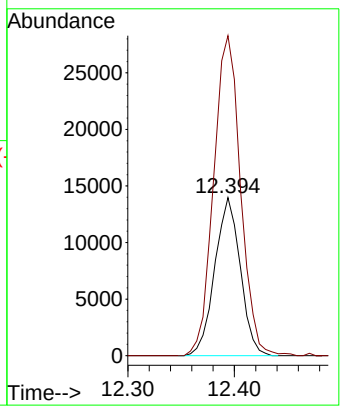
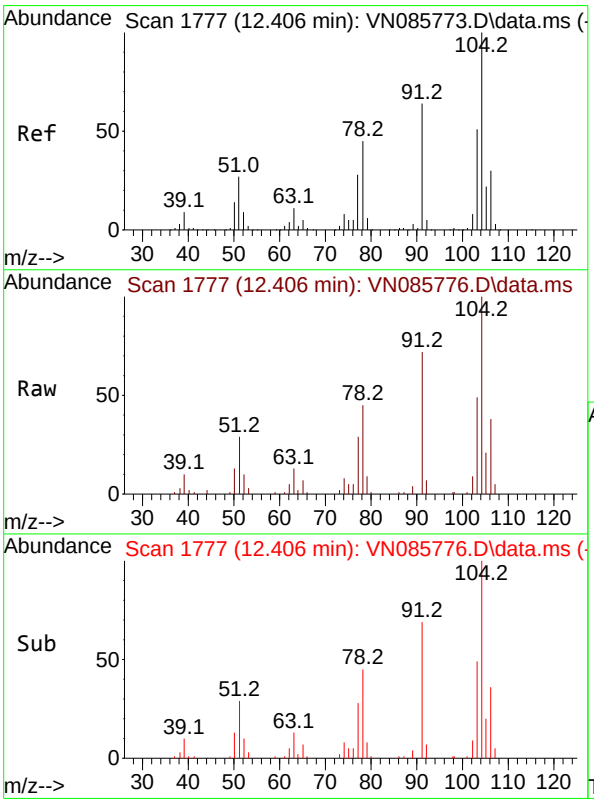
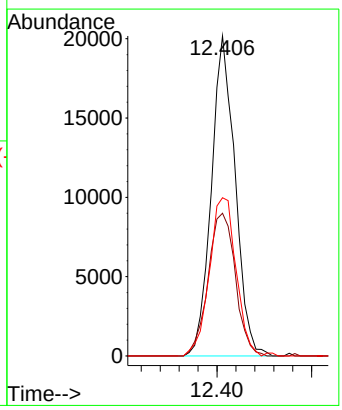


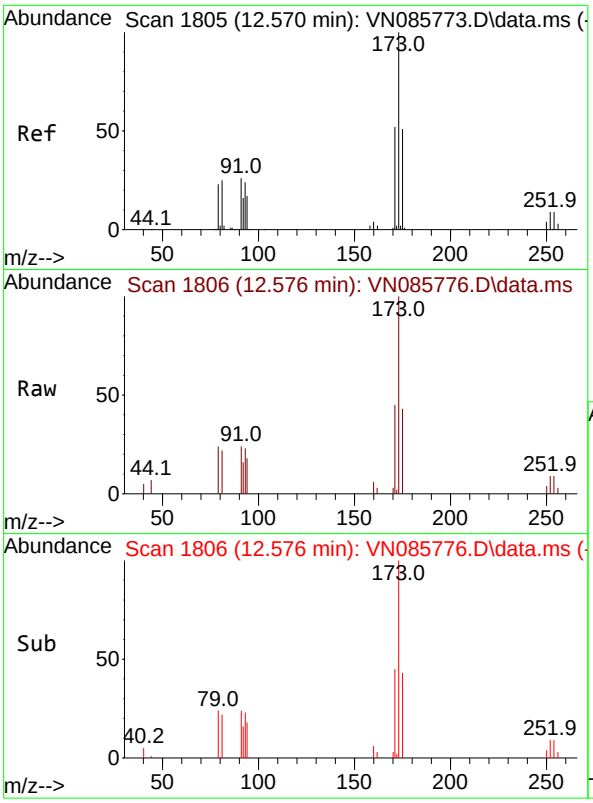


#70
Styrene
Concen: 4.557 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:104 Resp: 35138

Ion	Ratio	Lower	Upper
104	100		
78	51.3	39.0	58.6
103	55.4	43.3	64.9

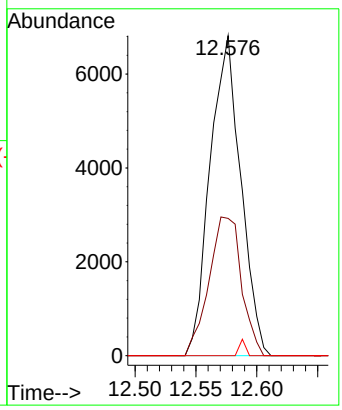




#71
Bromoform
Concen: 4.915 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:173 Resp: 1193

Ion	Ratio	Lower	Upper
173	100		
175	46.0	25.1	75.4
254	1.0	0.0	0.0



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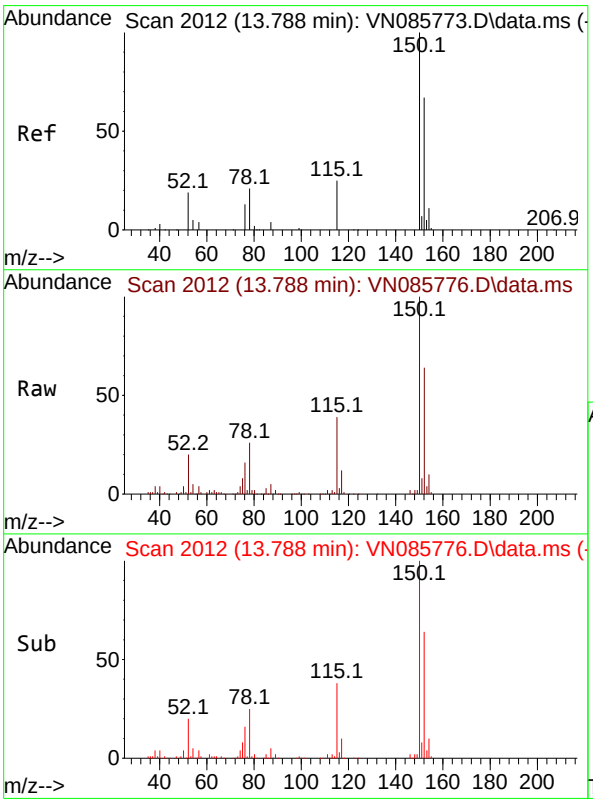
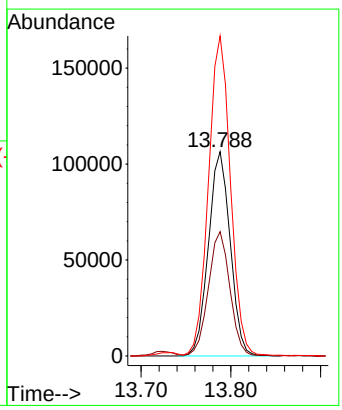
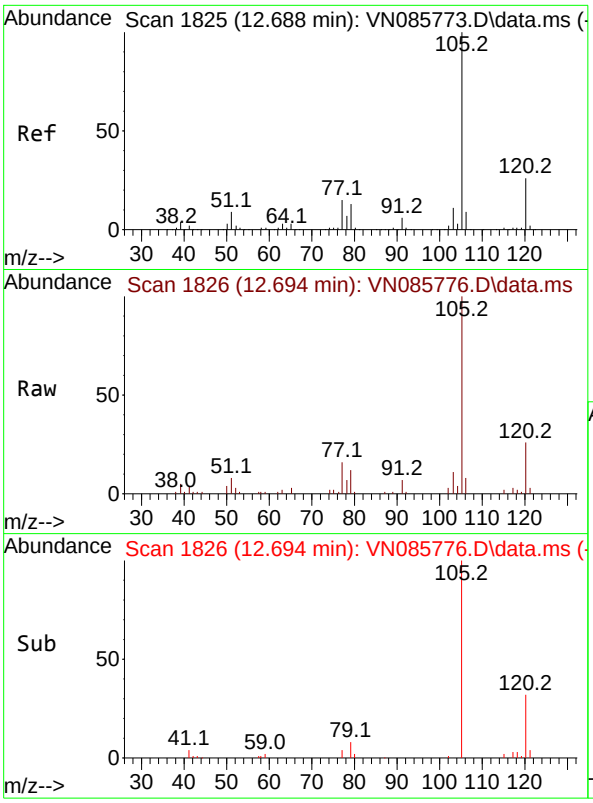


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:152 Resp: 179241

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.4	91.3
150	158.2	0.0	345.4





#73
Isopropylbenzene
Concen: 4.477 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:105 Resp: 5498

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

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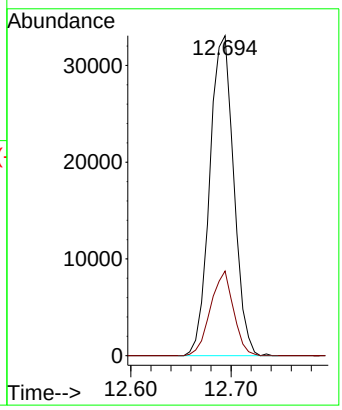
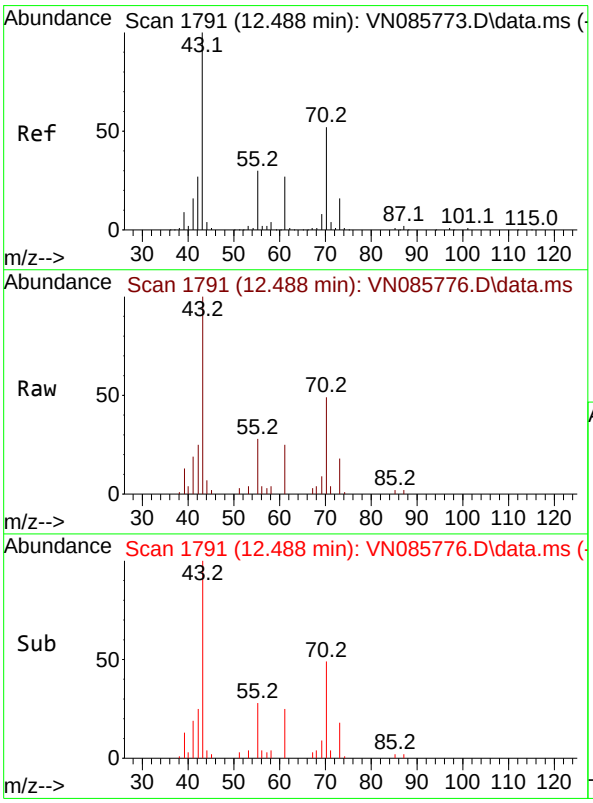
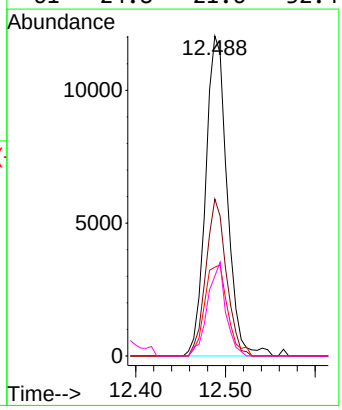


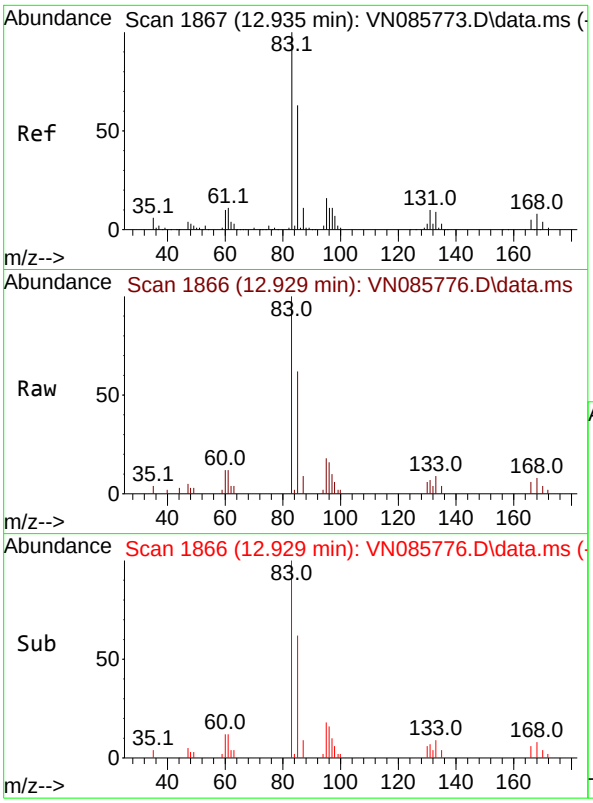


#74
N-amyl acetate
Concen: 4.623 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 20017

Ion	Ratio	Lower	Upper
43	100		
70	46.5	41.0	61.4
55	30.4	24.6	36.8
61	24.8	21.6	32.4

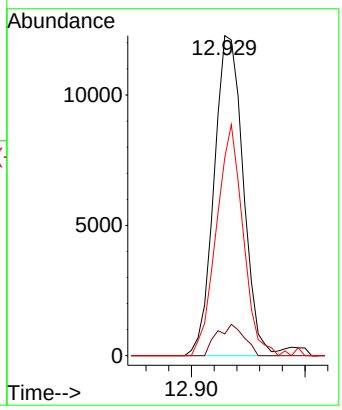




#75
1,1,2,2-Tetrachloroethane
Concen: 5.164 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 83 Resp: 2182

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.0	15.0
85	66.1	32.2	96.6



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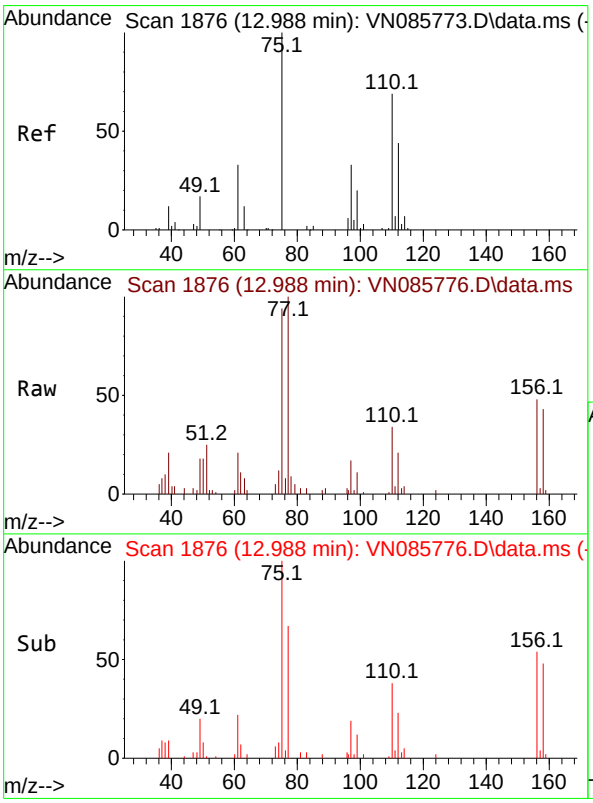
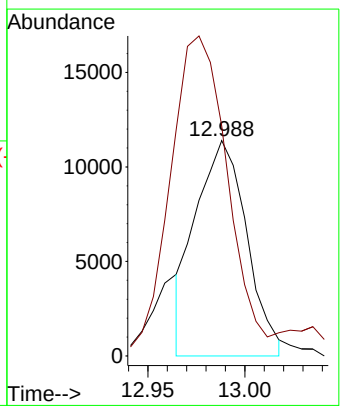
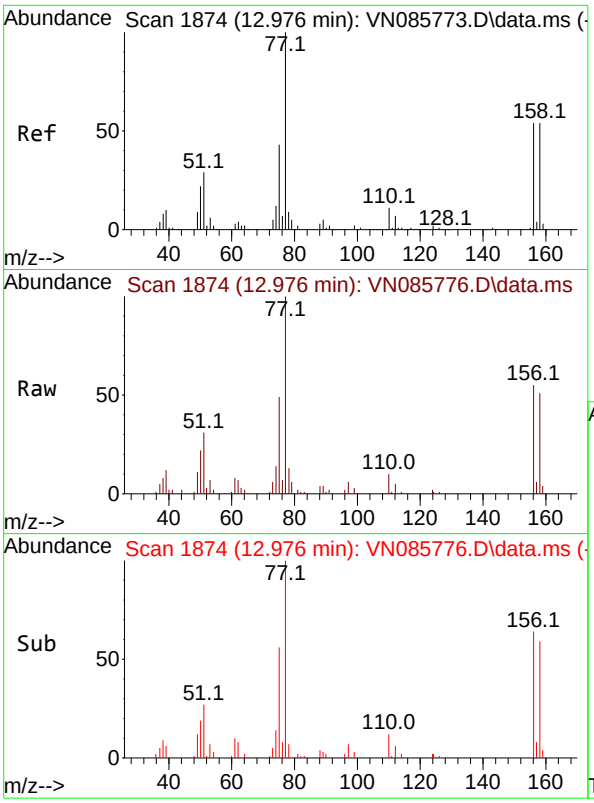


#76
1,2,3-Trichloropropane
Concen: 5.285 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 20813

Ion	Ratio	Lower	Upper
75	100		
77	170.0	100.0	300.0

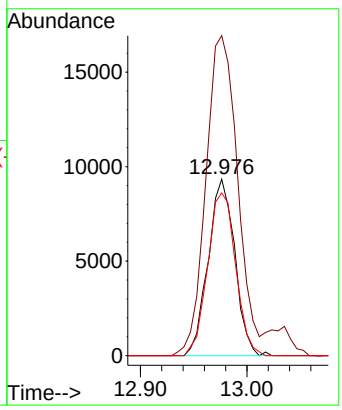




#77
Bromobenzene
Concen: 4.888 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:156 Resp: 1621

Ion	Ratio	Lower	Upper
156	100		
77	218.2	104.1	312.3
158	96.9	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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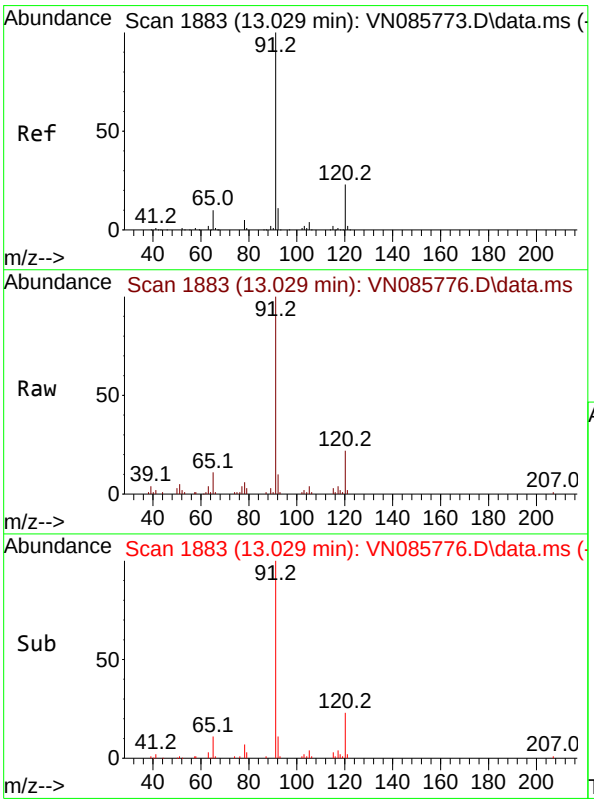
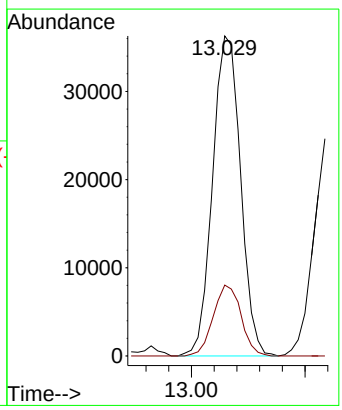
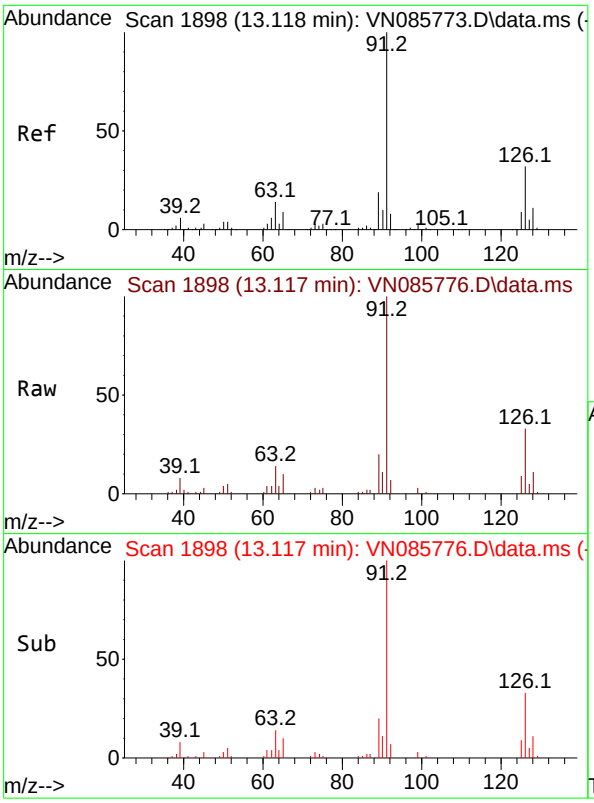


#78
n-propylbenzene
Concen: 4.414 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 91 Resp: 62073

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.8





#79
2-Chlorotoluene
Concen: 4.625 ug/l
RT: 13.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

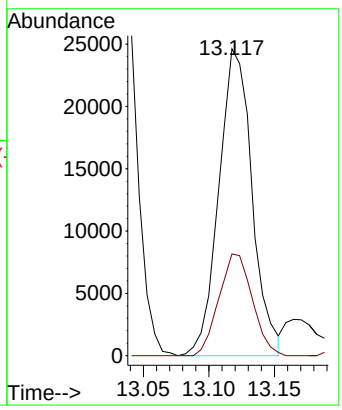
Tgt Ion: 91 Resp: 4345

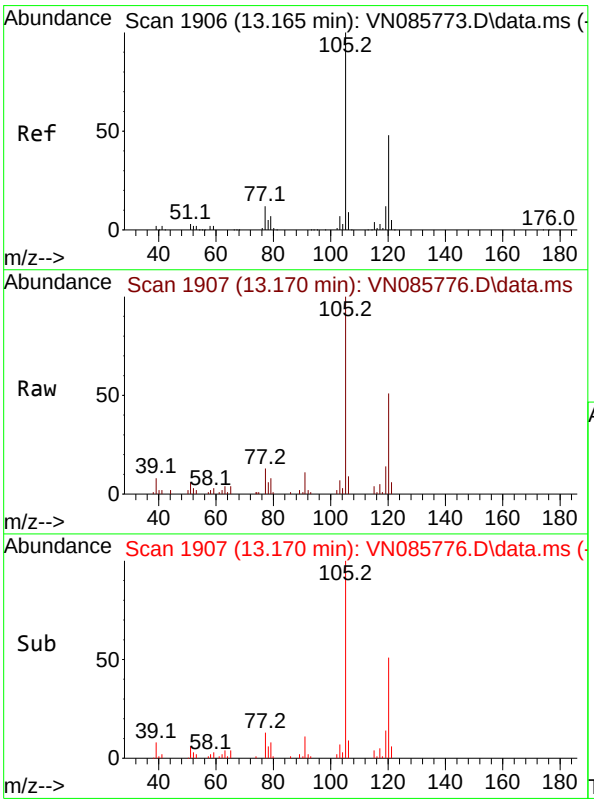
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

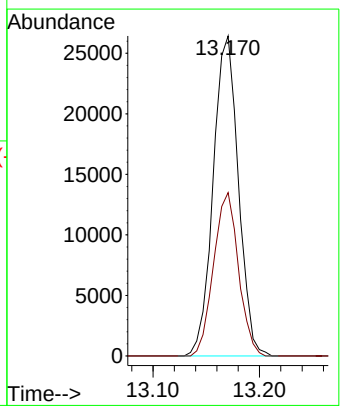


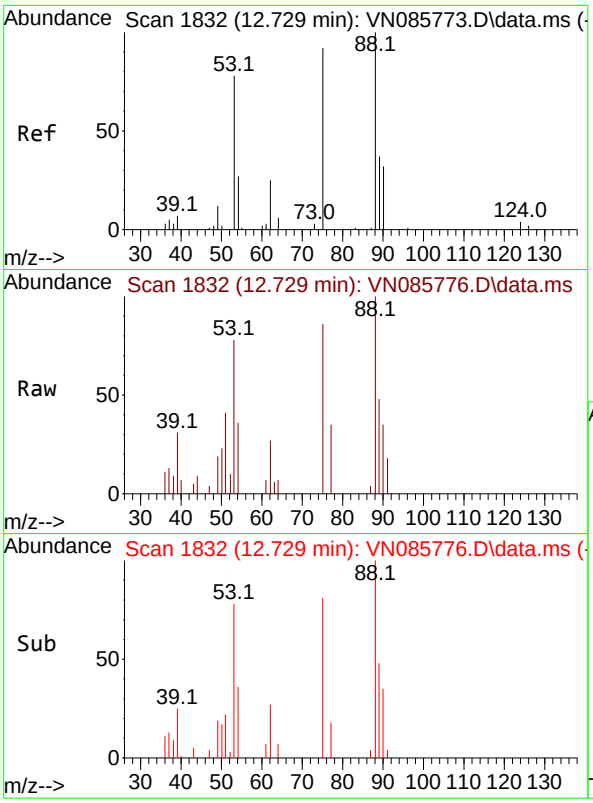


#80
1,3,5-Trimethylbenzene
Concen: 4.333 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:105 Resp: 43342

Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 4.448 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

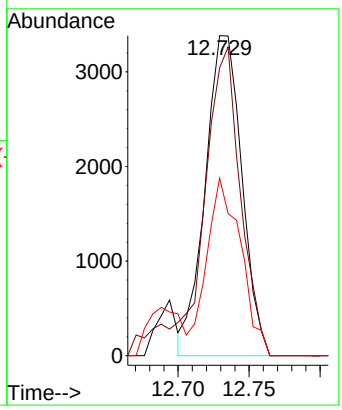
Tgt Ion: 75 Resp: 607

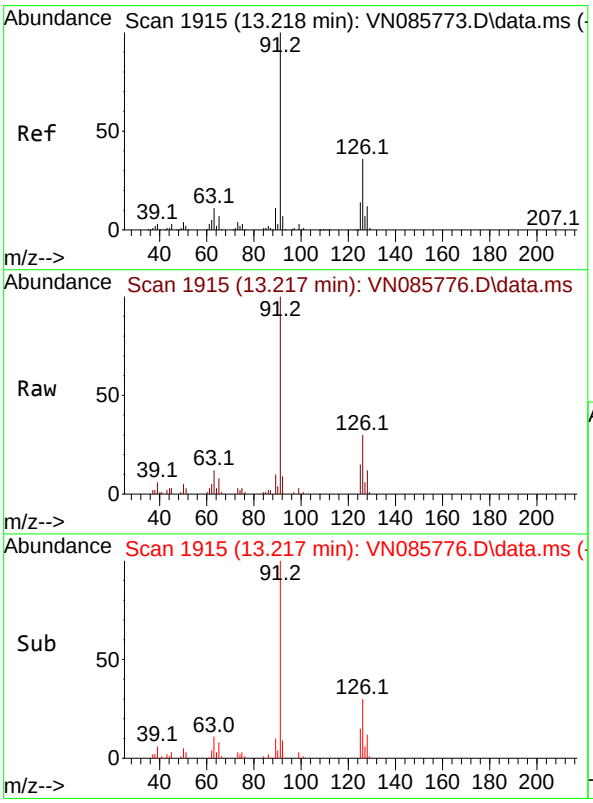
Ion	Ratio	Lower	Upper
75	100		
53	100.7	74.2	111.4
89	51.5	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

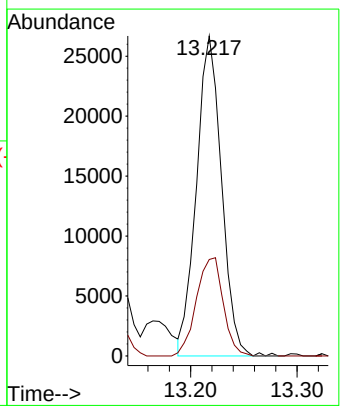


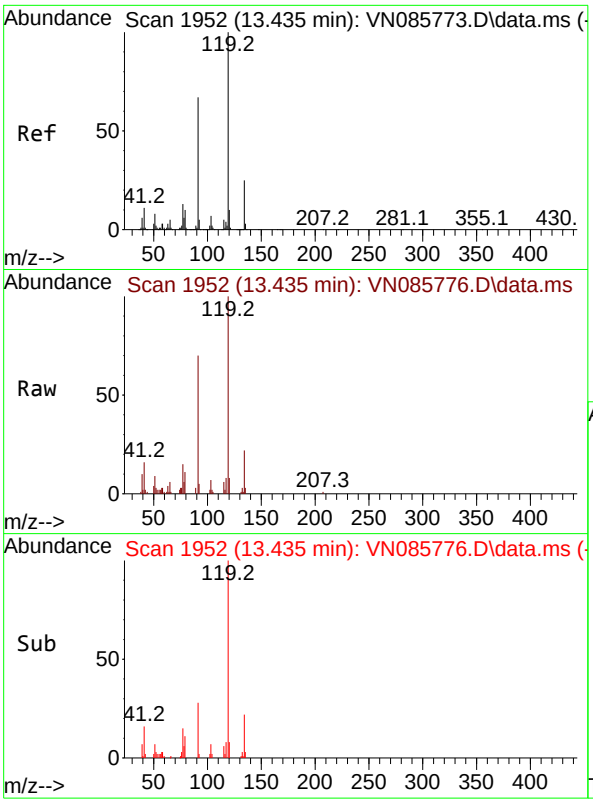


#82
4-Chlorotoluene
Concen: 4.690 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 91 Resp: 43684

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

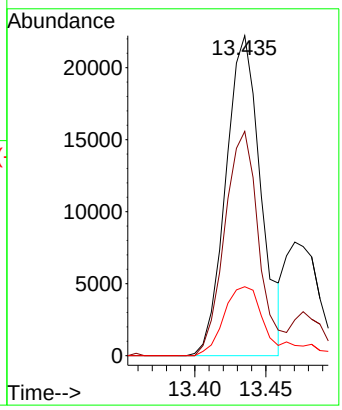




#83
tert-Butylbenzene
Concen: 4.515 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:119 Resp: 3797

Ion	Ratio	Lower	Upper
119	100		
91	69.1	32.5	97.5
134	26.9	13.3	39.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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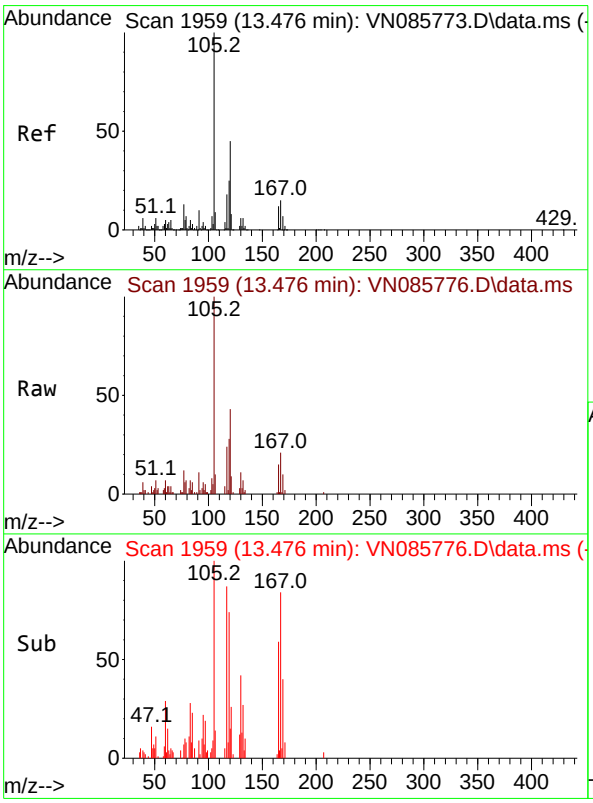
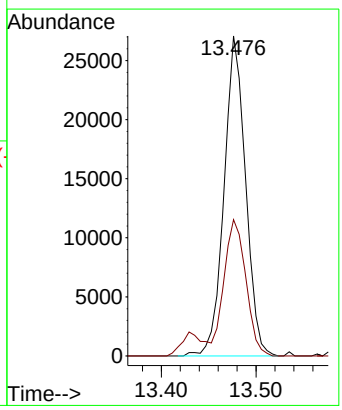
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

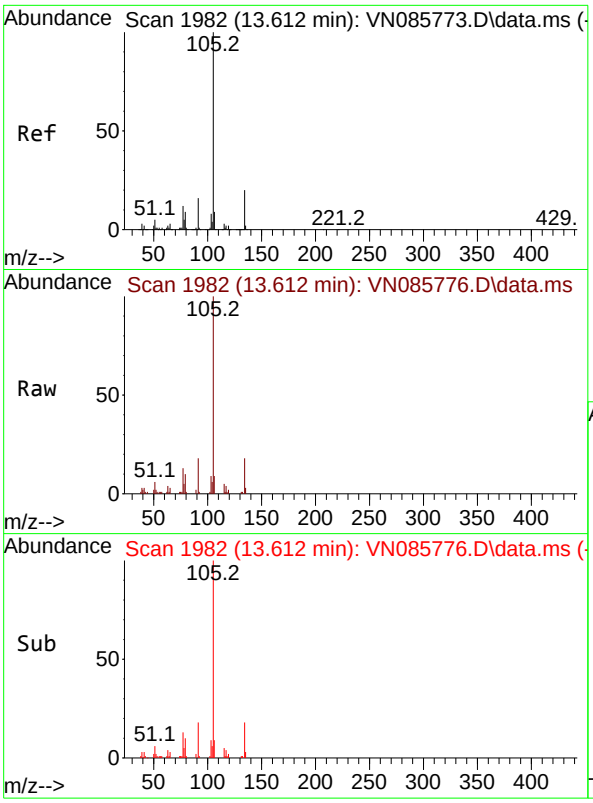


#84
1,2,4-Trimethylbenzene
Concen: 4.324 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:105 Resp: 42792

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.4	67.3

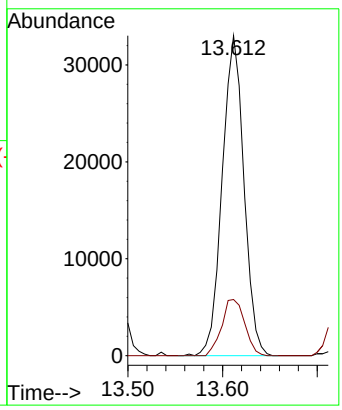




#85
sec-Butylbenzene
Concen: 4.431 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:105 Resp: 5265

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/19/2025
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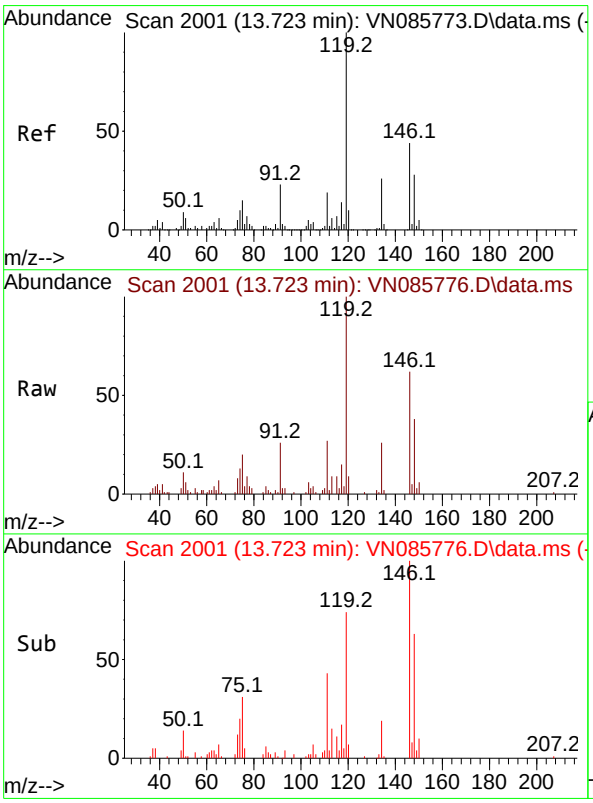
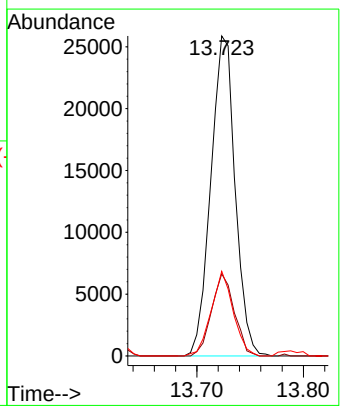
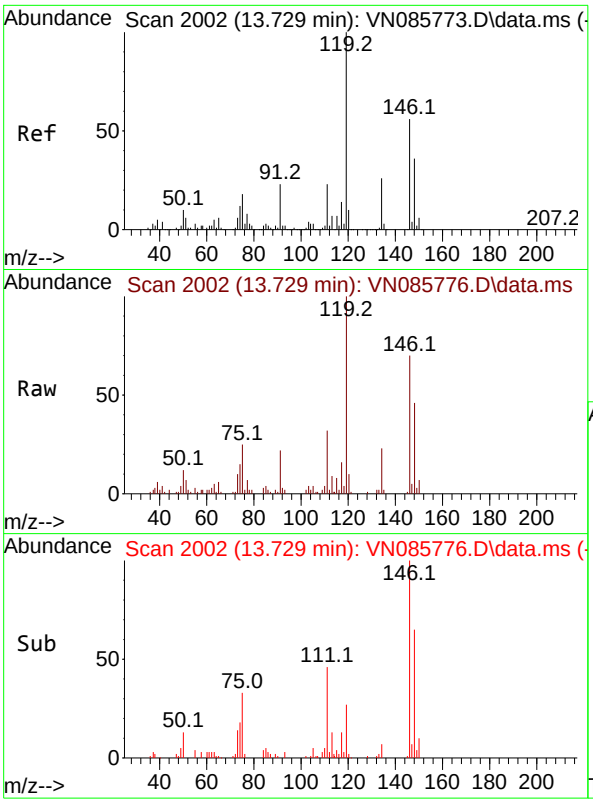


#86
p-Isopropyltoluene
Concen: 4.632 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:119 Resp: 41010

Ion	Ratio	Lower	Upper
119	100		
134	24.0	13.0	39.0
91	24.0	11.7	35.1

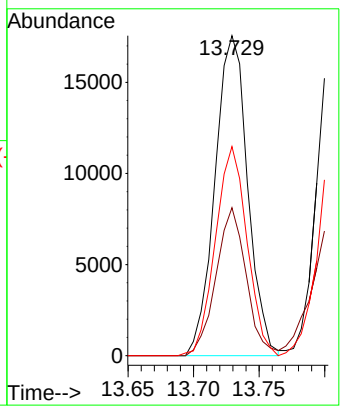




#87
1,3-Dichlorobenzene
Concen: 4.894 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:146 Resp: 3041

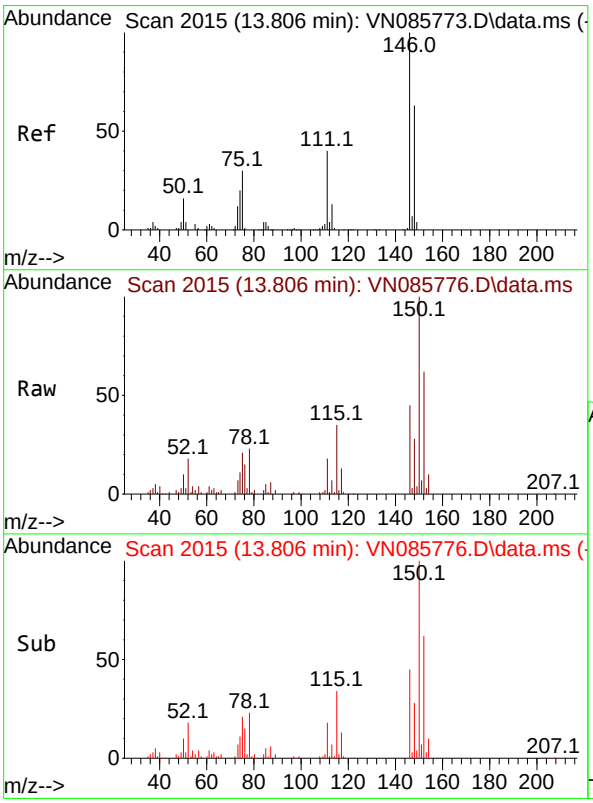
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	63.2	32.1	96.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

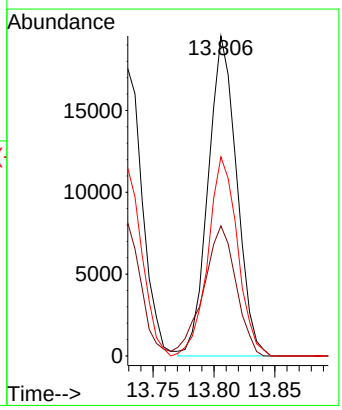
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

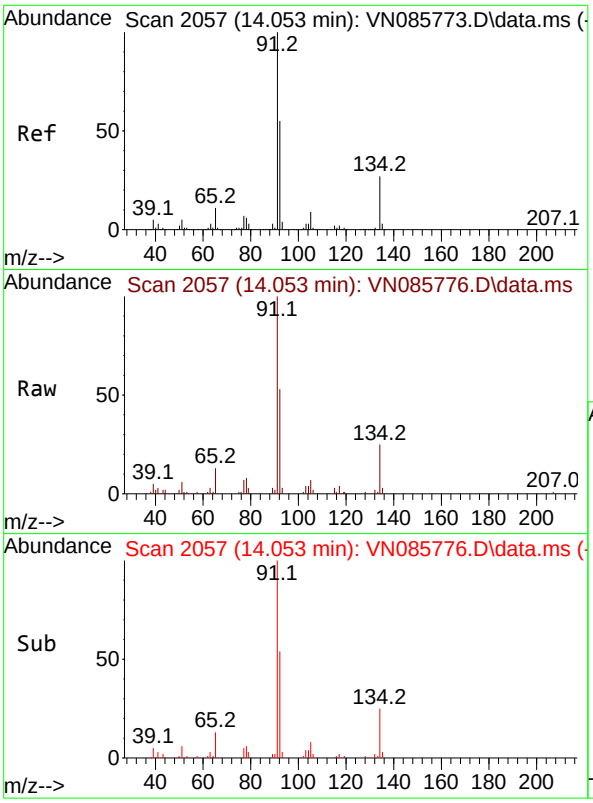


#88
1,4-Dichlorobenzene
Concen: 4.999 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:146 Resp: 31847

Ion	Ratio	Lower	Upper
146	100		
111	46.4	20.4	61.3
148	64.5	31.8	95.4





#89
n-Butylbenzene
Concen: 4.317 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

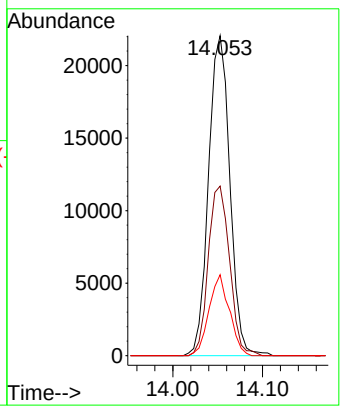
Tgt Ion: 91 Resp: 3642

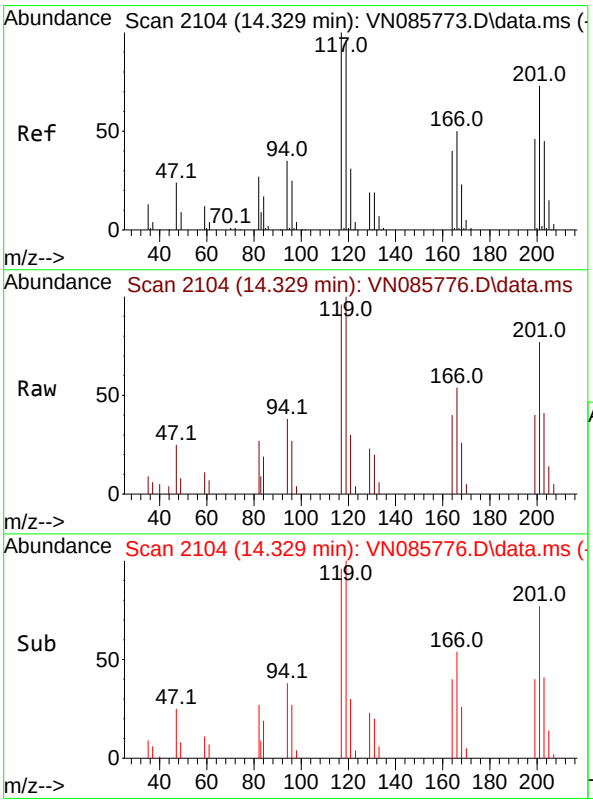
Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.3
134	24.3	12.7	38.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

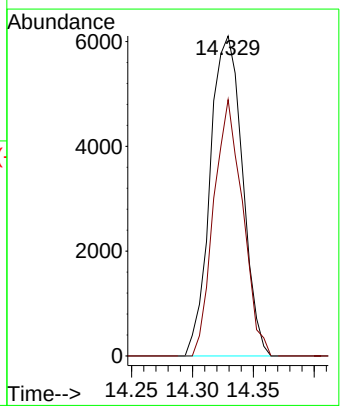


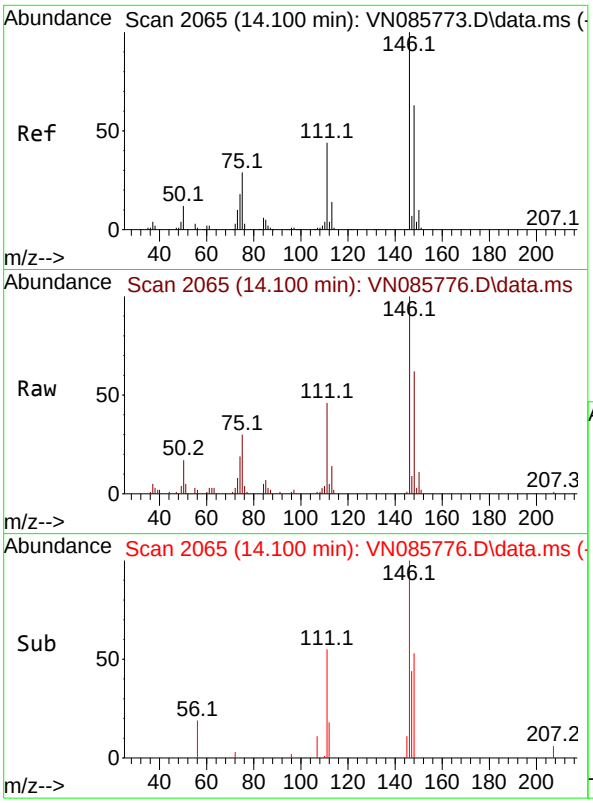


#90
Hexachloroethane
Concen: 5.010 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:117 Resp: 11276

Ion	Ratio	Lower	Upper
117	100		
201	71.8	35.6	106.9

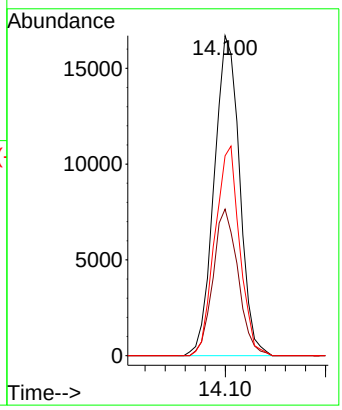




#91
1,2-Dichlorobenzene
Concen: 4.923 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:146 Resp: 2942

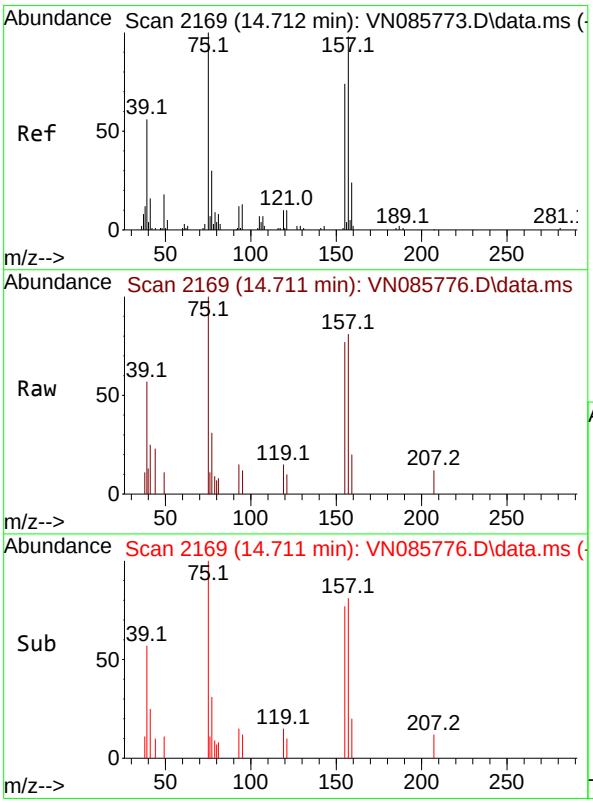
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.4	64.3
148	63.8	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

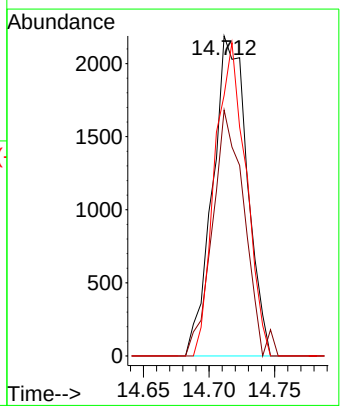
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

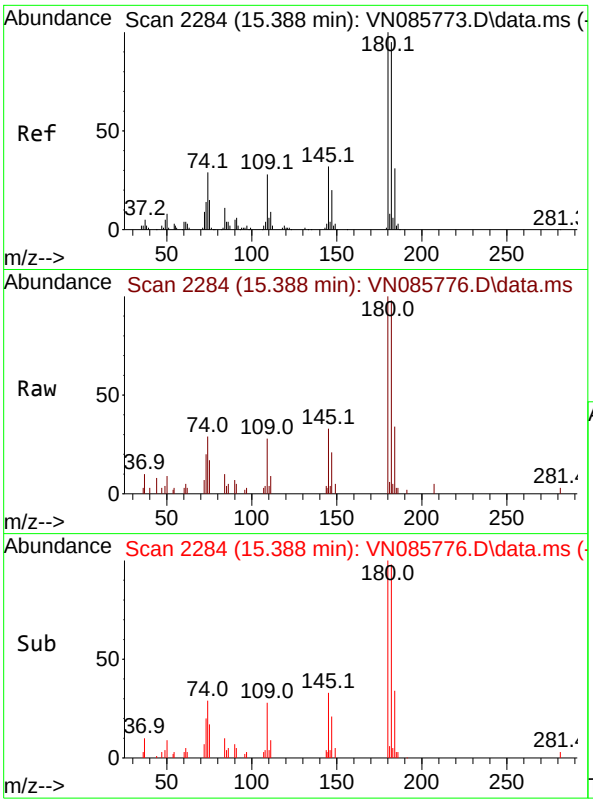


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.138 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 3987

Ion	Ratio	Lower	Upper
75	100		
155	70.9	39.9	119.6
157	88.2	49.9	149.7

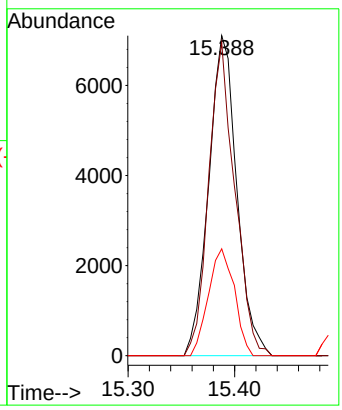




#93
1,2,4-Trichlorobenzene
Concen: 4.578 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:180 Resp: 1304

Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.3	141.9
145	30.8	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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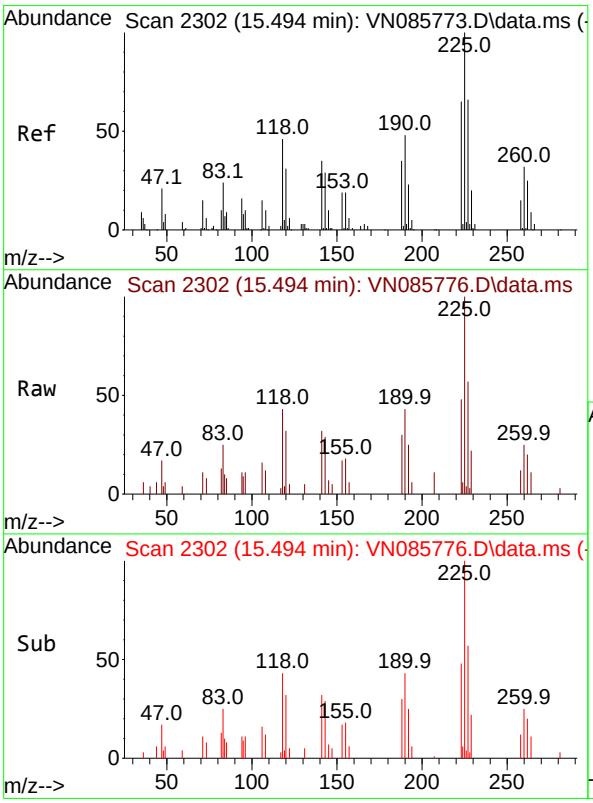
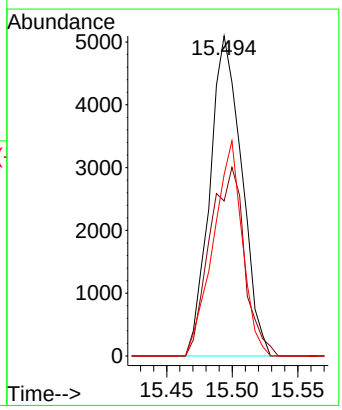
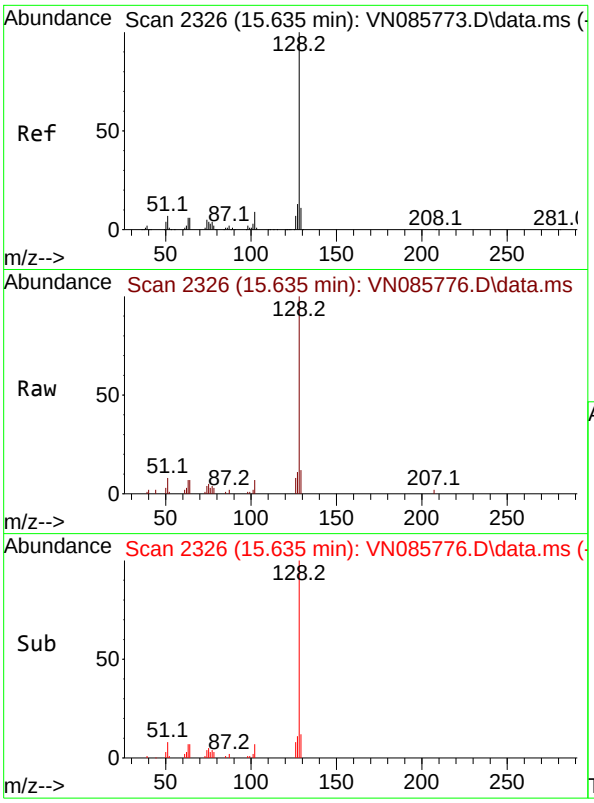


#94
Hexachlorobutadiene
Concen: 4.982 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:225 Resp: 8623

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.5
227	61.2	32.2	96.6

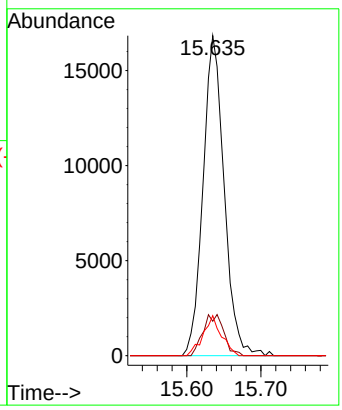




#95
Naphthalene
Concen: 4.259 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:128 Resp: 3330

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
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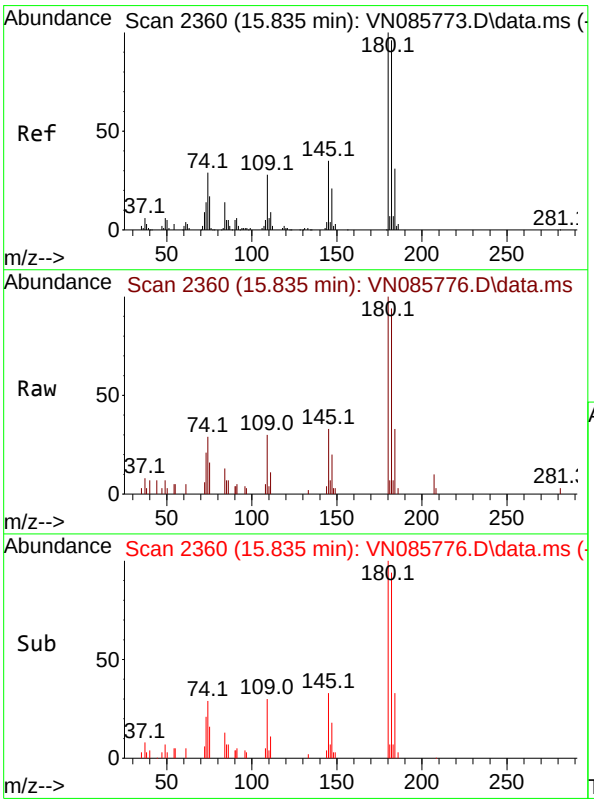
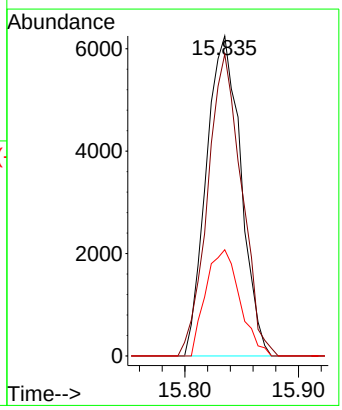


#96
1,2,3-Trichlorobenzene
Concen: 4.612 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:180 Resp: 13188

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.8
145	32.8	16.9	50.6



Quantitation Report (QT Reviewed)

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Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	274051	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	476457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.859	117	394997	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152224	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	3620	0.971	ug/l		84
3) Chloromethane	2.359	50	4478	1.197	ug/l	#	83
4) Vinyl Chloride	2.518	62	4169	1.053	ug/l	#	80
6) Chloroethane	3.124	64	3201	1.220	ug/l		100
7) Trichlorofluoromethane	3.500	101	6048	1.055	ug/l	#	71
8) Diethyl Ether	3.965	74	1716m	0.925	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.371	101	3034	0.915	ug/l		90
12) 1,1-Dichloroethene	4.341	96	2817	0.937	ug/l	#	75
14) Allyl chloride	5.024	41	3802m	0.964	ug/l		
15) Acrylonitrile	5.718	53	6980	4.913	ug/l		98
16) Acetone	4.436	43	6230	5.542	ug/l	#	73
17) Carbon Disulfide	4.712	76	10131	1.137	ug/l		98
18) Methyl Acetate	5.030	43	4677	1.210	ug/l	#	52
19) Methyl tert-butyl Ether	5.794	73	7883	0.883	ug/l		97
20) Methylene Chloride	5.277	84	4036	1.116	ug/l	#	84
21) trans-1,2-Dichloroethene	5.788	96	3415	1.055	ug/l		91
22) Diisopropyl ether	6.659	45	7268	0.815	ug/l	#	80
23) Vinyl Acetate	6.600	43	27376m	4.498	ug/l		
24) 1,1-Dichloroethane	6.571	63	5881	0.970	ug/l	#	82
25) 2-Butanone	7.482	43	7658	4.630	ug/l		92
26) 2,2-Dichloropropane	7.477	77	5170m	0.959	ug/l		
27) cis-1,2-Dichloroethene	7.488	96	3541	0.944	ug/l		92
28) Bromochloromethane	7.812	49	2649	1.063	ug/l	#	98
29) Tetrahydrofuran	7.841	42	4567	4.276	ug/l		93
30) Chloroform	7.959	83	6416	1.013	ug/l		98
32) 1,1,1-Trichloroethane	8.159	97	5643	1.002	ug/l	#	47
36) 1,1-Dichloropropene	8.365	75	4055	0.919	ug/l		93
37) Ethyl Acetate	7.553	43	3365	0.927	ug/l	#	84
38) Carbon Tetrachloride	8.353	117	5079	0.969	ug/l	#	94
39) Methylcyclohexane	9.594	83	3557	0.821	ug/l	#	89
40) Benzene	8.606	78	13536	0.957	ug/l		96
41) Methacrylonitrile	7.771	41	1573	0.810	ug/l	#	85
42) 1,2-Dichloroethane	8.671	62	4497	0.976	ug/l		88
43) Isopropyl Acetate	8.677	43	12901	1.494	ug/l	#	73
44) Trichloroethene	9.347	130	3768	1.085	ug/l		98
45) 1,2-Dichloropropane	9.618	63	3235	0.948	ug/l		91

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.706	93	2304	0.957	ug/l		96
47) Bromodichloromethane	9.882	83	4879	0.947	ug/l	#	92
48) Methyl methacrylate	9.676	41	2247	0.833	ug/l		92
49) 1,4-Dioxane	9.694	88	992	19.344	ug/l	#	76
51) 4-Methyl-2-Pentanone	10.441	43	13832	3.951	ug/l		94
52) Toluene	10.629	92	6568	0.792	ug/l		98
53) t-1,3-Dichloropropene	10.829	75	3884	0.815	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	4211	0.806	ug/l	#	87
55) 1,1,2-Trichloroethane	11.012	97	3084	0.936	ug/l	#	88
56) Ethyl methacrylate	10.859	69	2517	1.052	ug/l	#	75
57) 1,3-Dichloropropane	11.153	76	5078	0.923	ug/l		93
58) 2-Chloroethyl Vinyl ether	10.153	63	6353	3.424	ug/l		99
59) 2-Hexanone	11.194	43	8780	3.646	ug/l		91
60) Dibromochloromethane	11.353	129	3380	0.881	ug/l		91
61) 1,2-Dibromoethane	11.465	107	2599	0.835	ug/l		89
64) Tetrachloroethene	11.094	164	3108	1.016	ug/l		87
65) Chlorobenzene	11.882	112	8761	0.968	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.959	131	3222	0.991	ug/l	#	66
67) Ethyl Benzene	11.959	91	11246	0.793	ug/l		100
68) m/p-Xylenes	12.065	106	7606	1.413	ug/l		91
69) o-Xylene	12.394	106	3965	0.775	ug/l		95
70) Styrene	12.406	104	5877	1.257	ug/l		99
71) Bromoform	12.570	173	2161	0.894	ug/l	#	87
73) Isopropylbenzene	12.694	105	8928	0.856	ug/l		95
74) N-amyl acetate	12.488	43	3263	0.887	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3870	1.078	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	4032m	1.206	ug/l		
77) Bromobenzene	12.976	156	2624	0.931	ug/l		76
78) n-propylbenzene	13.029	91	9228	0.773	ug/l		99
79) 2-Chlorotoluene	13.123	91	7260	0.910	ug/l		95
80) 1,3,5-Trimethylbenzene	13.164	105	6185	0.728	ug/l		98
82) 4-Chlorotoluene	13.217	91	6700	0.847	ug/l		99
83) tert-Butylbenzene	13.435	119	5485	0.768	ug/l		93
84) 1,2,4-Trimethylbenzene	13.482	105	5595	0.666	ug/l		96
85) sec-Butylbenzene	13.611	105	7569	0.750	ug/l		99
86) p-Isopropyltoluene	13.723	119	5416	1.252	ug/l		95
87) 1,3-Dichlorobenzene	13.729	146	5321	1.008	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	5848m	1.081	ug/l		
89) n-Butylbenzene	14.047	91	6398	0.893	ug/l		91
90) Hexachloroethane	14.329	117	2153	1.126	ug/l		91
91) 1,2-Dichlorobenzene	14.100	146	5309	1.046	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.711	75	780	1.184	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	2525	1.044	ug/l		95
94) Hexachlorobutadiene	15.494	225	1976	1.344	ug/l		94
95) Naphthalene	15.635	128	7298	1.099	ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.841	180	2791	1.149	ug/l		97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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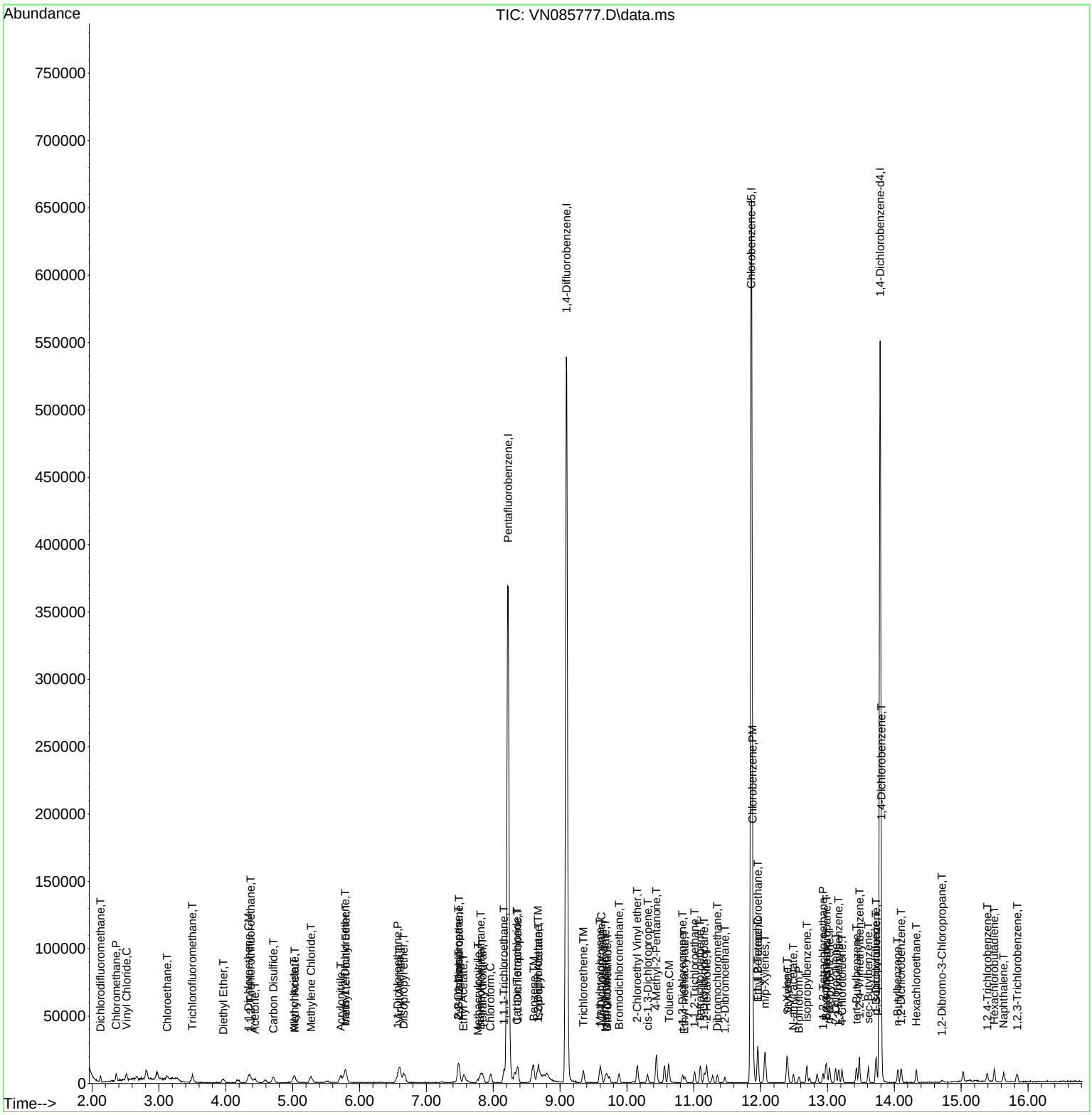
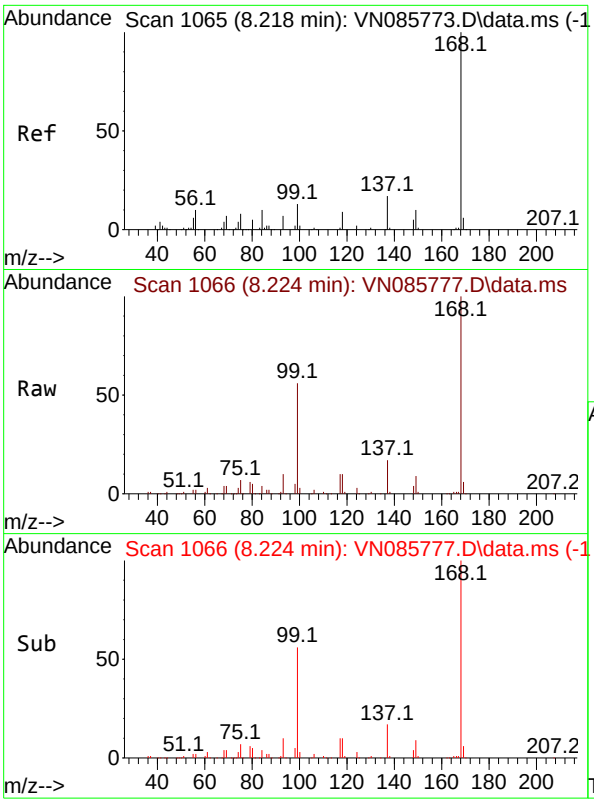
Supervised By :Mahesh Dadoda 02/19/2025

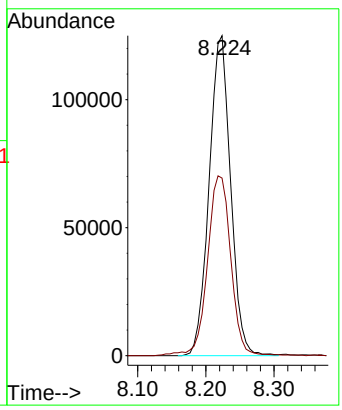




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:168 Resp: 27405

Ion	Ratio	Lower	Upper
168	100		
99	55.2	47.9	71.9



Instrument :
MSVOA_N
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VSTDICC001

Manual Integrations
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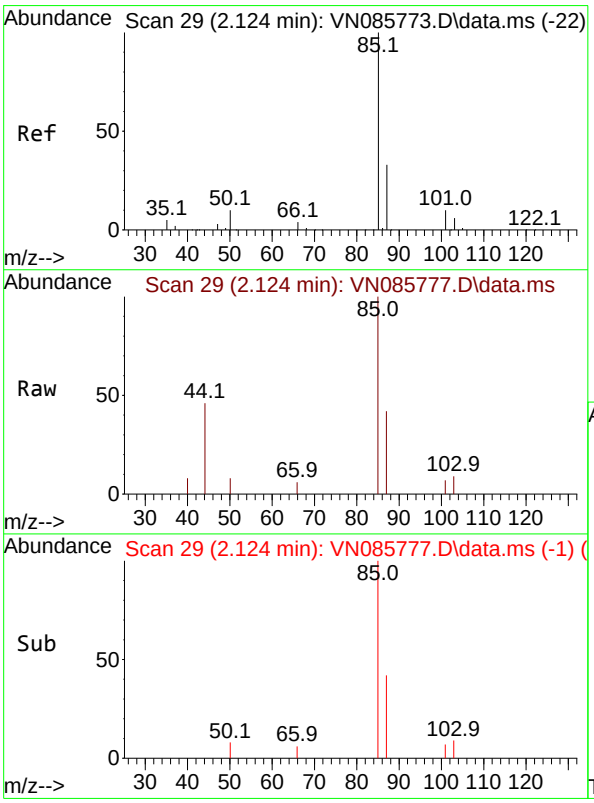
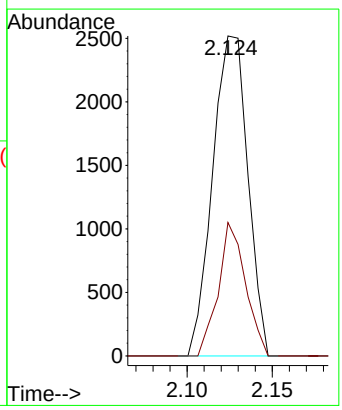
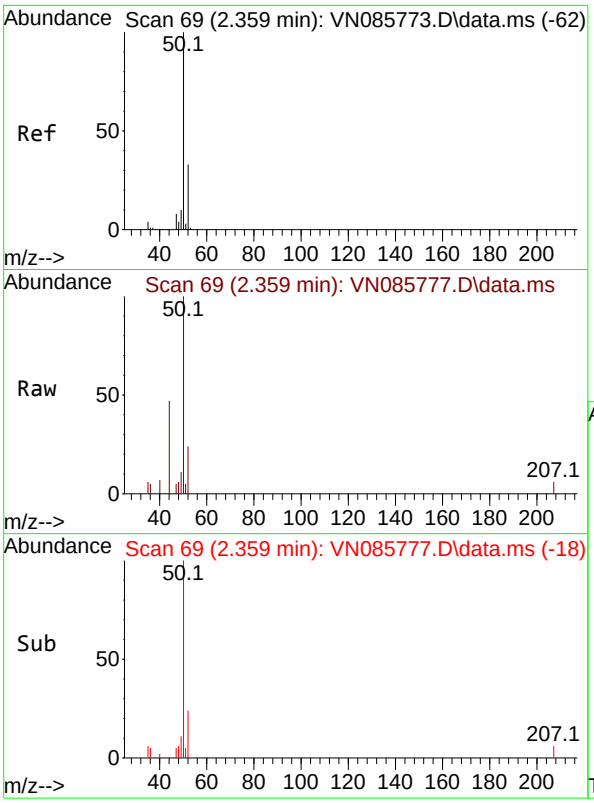


#2
Dichlorodifluoromethane
Concen: 0.971 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 85 Resp: 3620

Ion	Ratio	Lower	Upper
85	100		
87	41.7	16.4	49.2

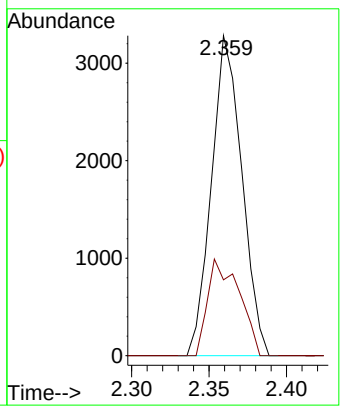




#3
Chloromethane
Concen: 1.197 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 50 Resp: 447

Ion	Ratio	Lower	Upper
50	100		
52	23.7	26.7	40.1#



Instrument :
MSVOA_N
ClientSampleId :
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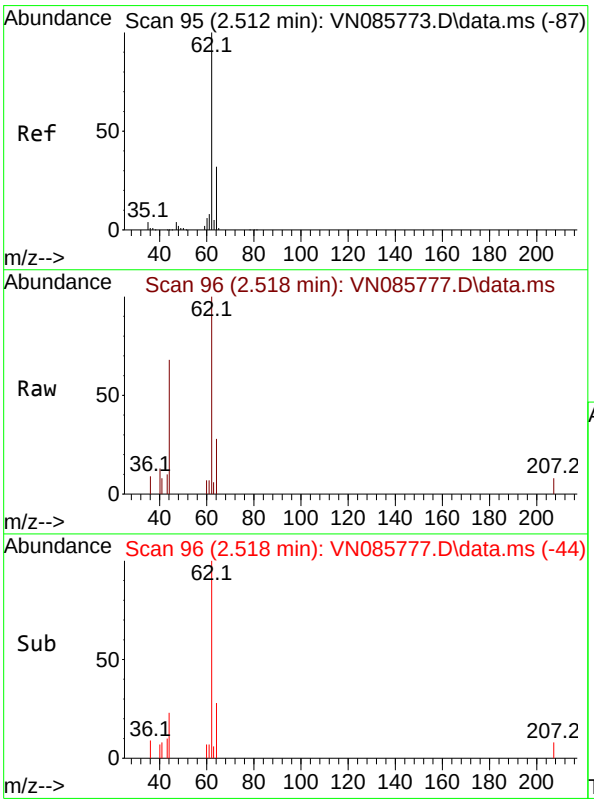
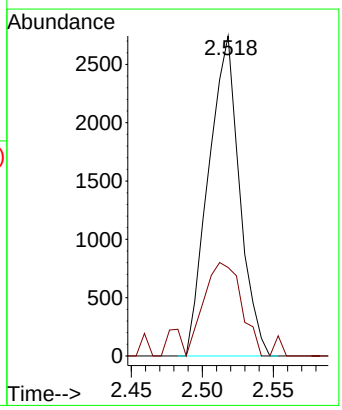
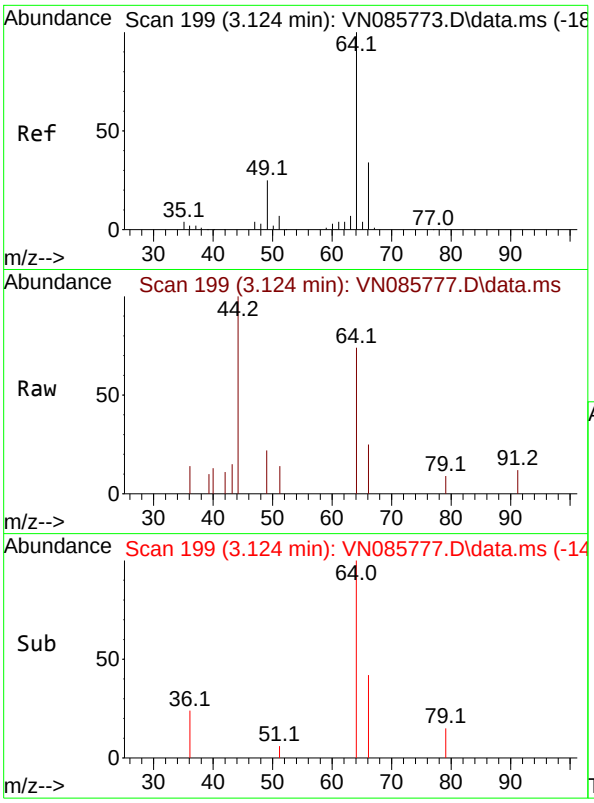


#4
Vinyl Chloride
Concen: 1.053 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 62 Resp: 4169

Ion	Ratio	Lower	Upper
62	100		
64	21.4	25.9	38.9#

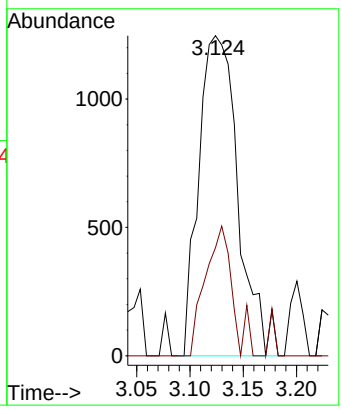




#6
Chloroethane
Concen: 1.220 ug/l
RT: 3.124 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 64 Resp: 320

Ion	Ratio	Lower	Upper
64	100		
66	33.8	27.0	40.6



Instrument :
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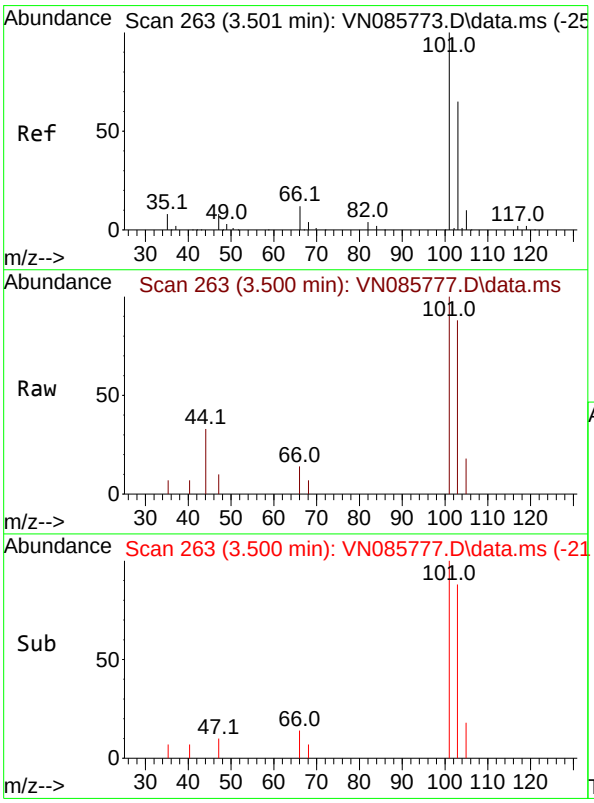
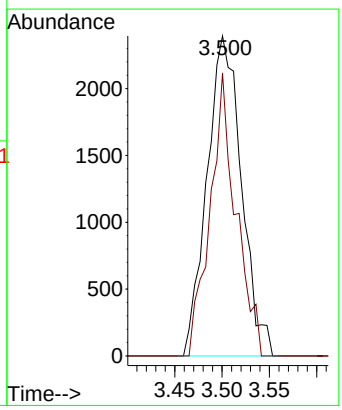
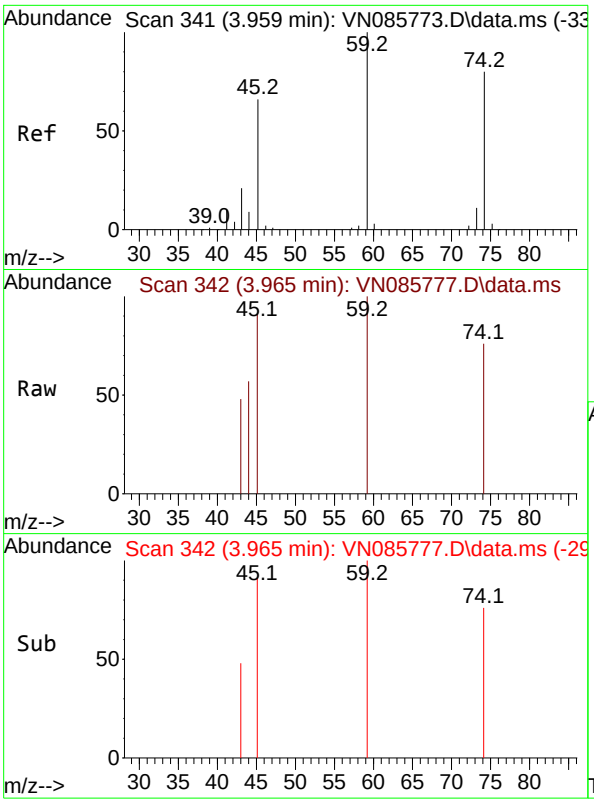


#7
Trichlorofluoromethane
Concen: 1.055 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:101 Resp: 6048

Ion	Ratio	Lower	Upper
101	100		
103	88.5	52.2	78.4#

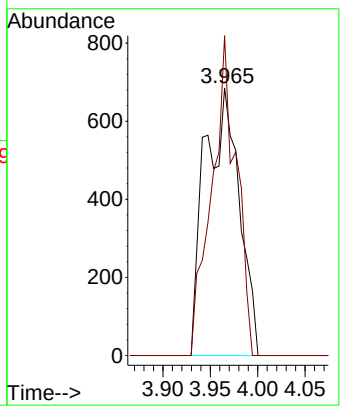




#8
Diethyl Ether
Concen: 0.925 ug/l m
RT: 3.965 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 74 Resp: 171

Ion	Ratio	Lower	Upper
74	100		
45	86.6	42.5	127.6



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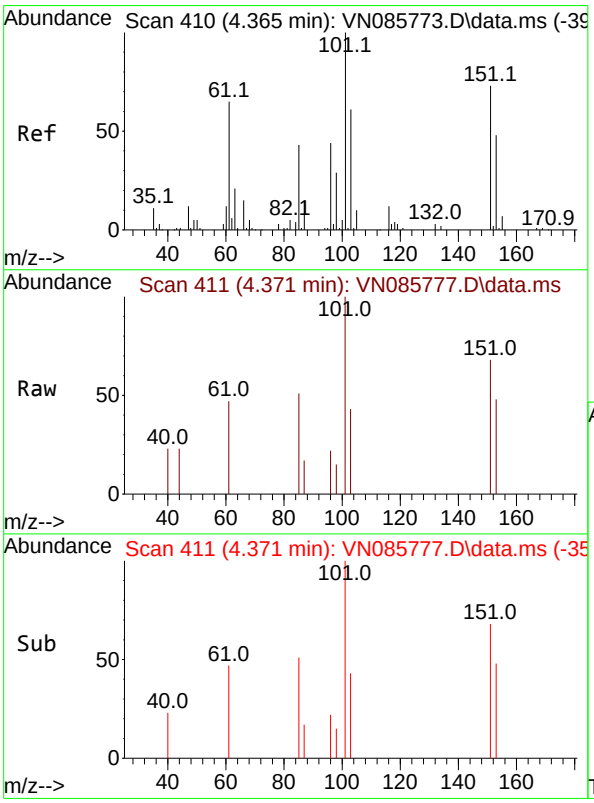
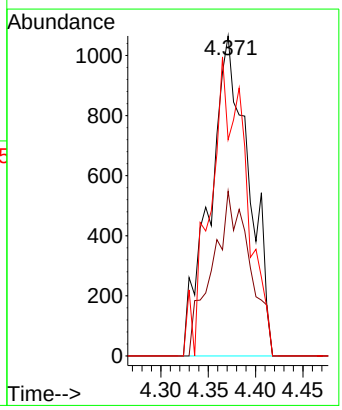
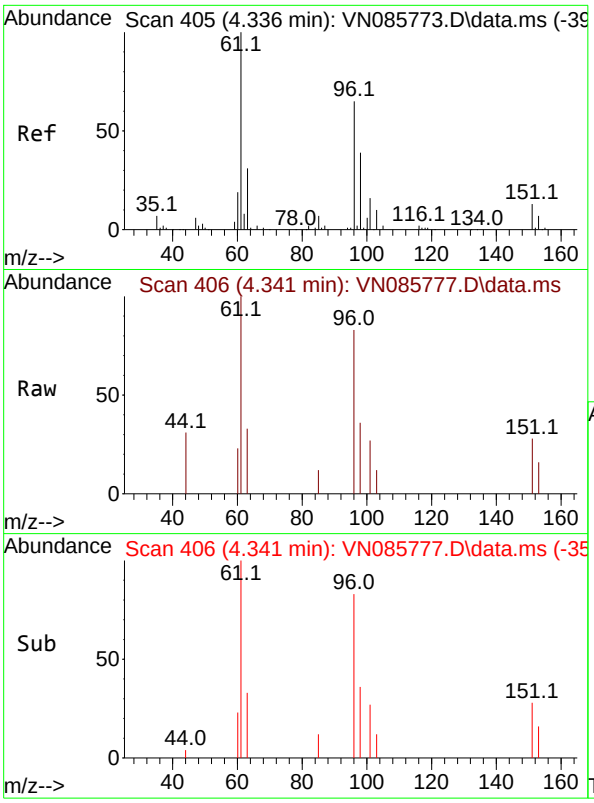


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.915 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:101 Resp: 3034

Ion	Ratio	Lower	Upper
101	100		
85	50.2	35.7	53.5
151	86.4	61.4	92.2





#12
1,1-Dichloroethene
Concen: 0.937 ug/l
RT: 4.341 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 96 Resp: 281

Ion	Ratio	Lower	Upper
96	100		
61	120.8	123.3	184.9#
98	43.1	48.6	72.8#

Instrument :
MSVOA_N
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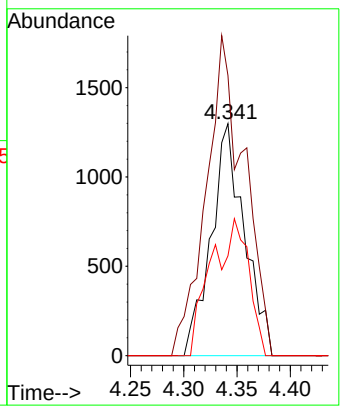
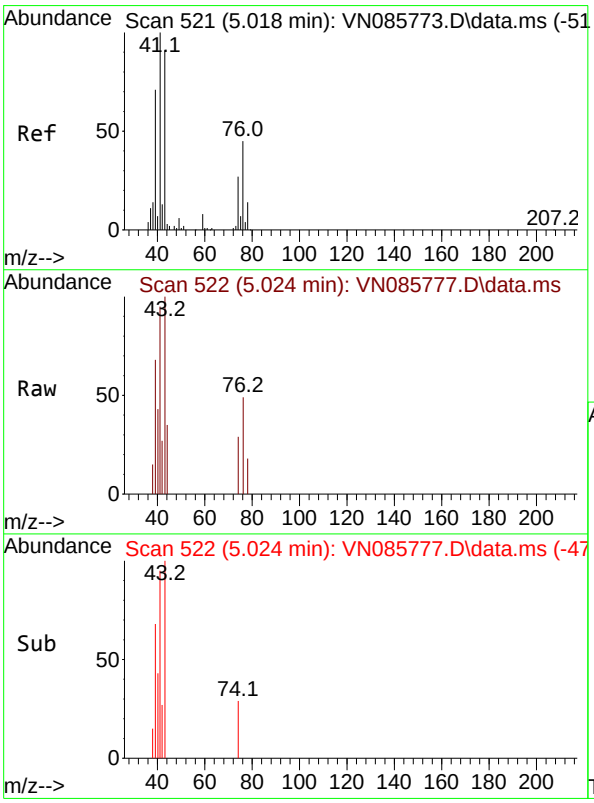
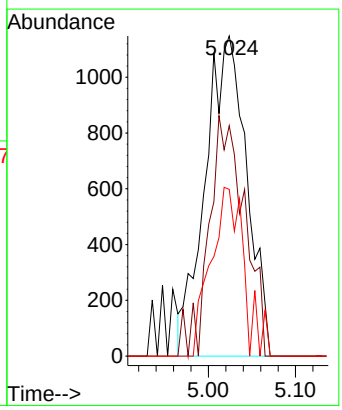


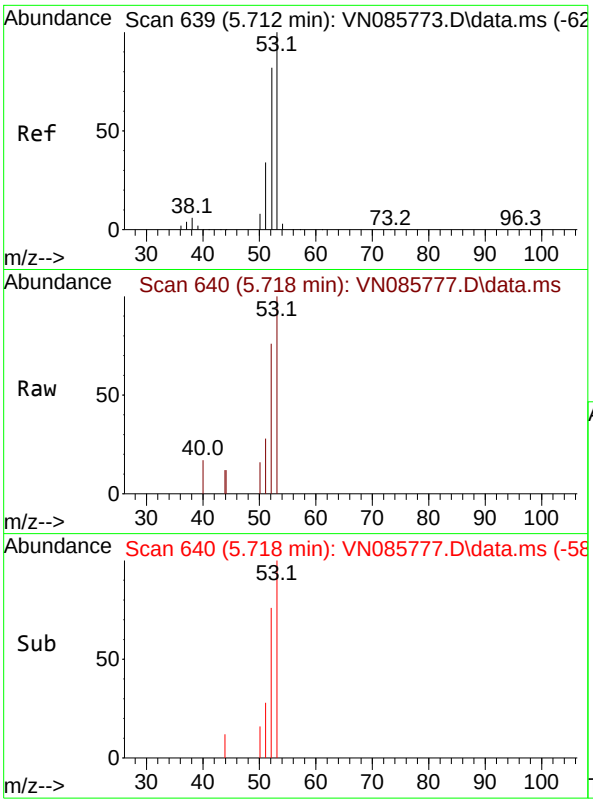


#14
Allyl chloride
Concen: 0.964 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 41 Resp: 3802

Ion	Ratio	Lower	Upper
41	100		
39	62.8	57.4	86.2
76	41.9	36.2	54.2

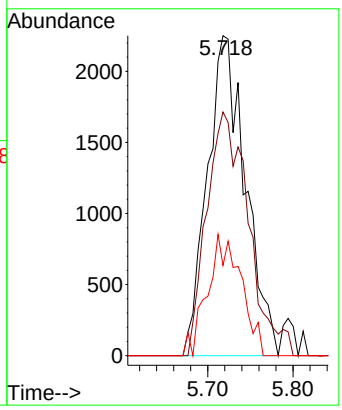




#15
Acrylonitrile
Concen: 4.913 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 53 Resp: 698

Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.8	98.6
51	33.5	28.6	42.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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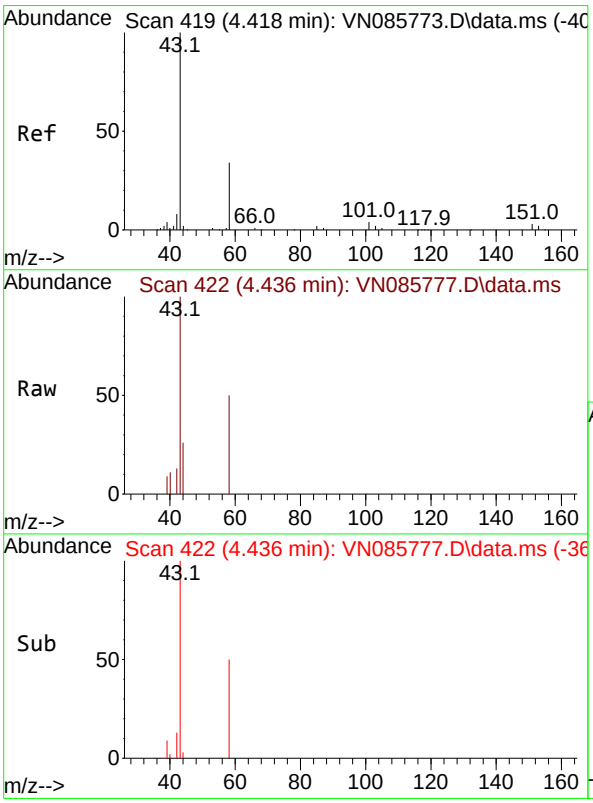
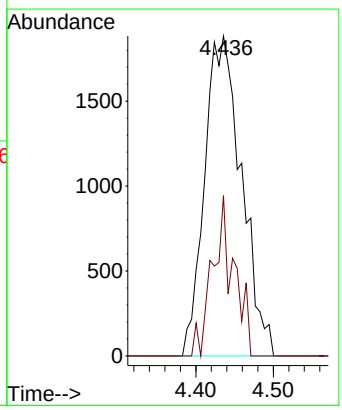
Supervised By :Mahesh Dadoda 02/19/2025

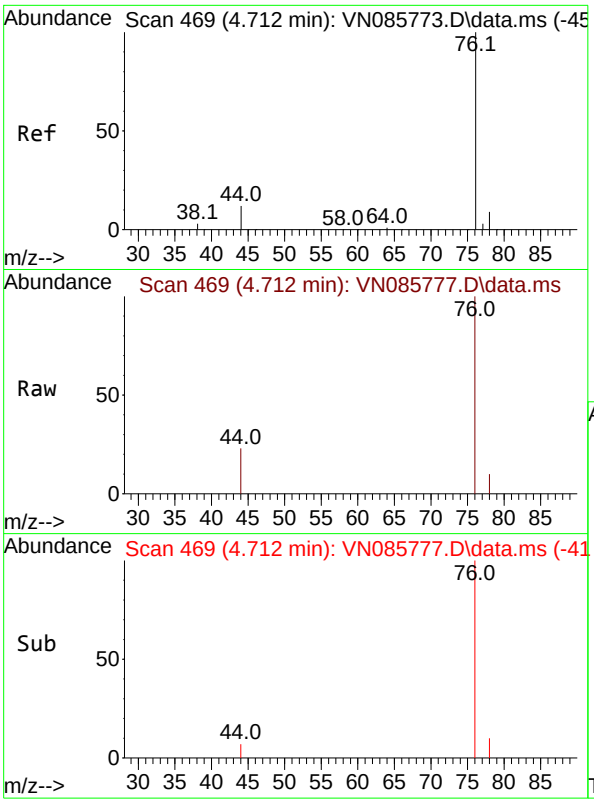


#16
Acetone
Concen: 5.542 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 6230

Ion	Ratio	Lower	Upper
43	100		
58	50.1	27.5	41.3#





#17
Carbon Disulfide
Concen: 1.137 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 76 Resp: 1013

Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.4	11.0

Instrument :
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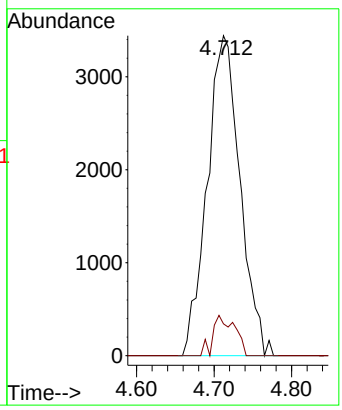
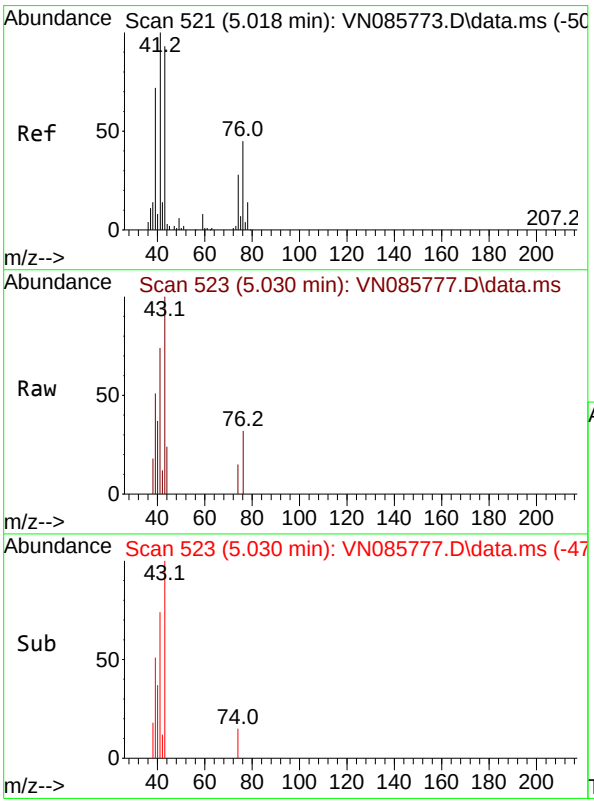
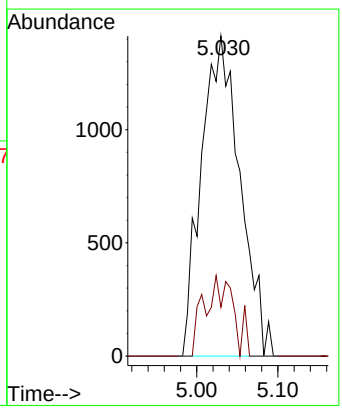


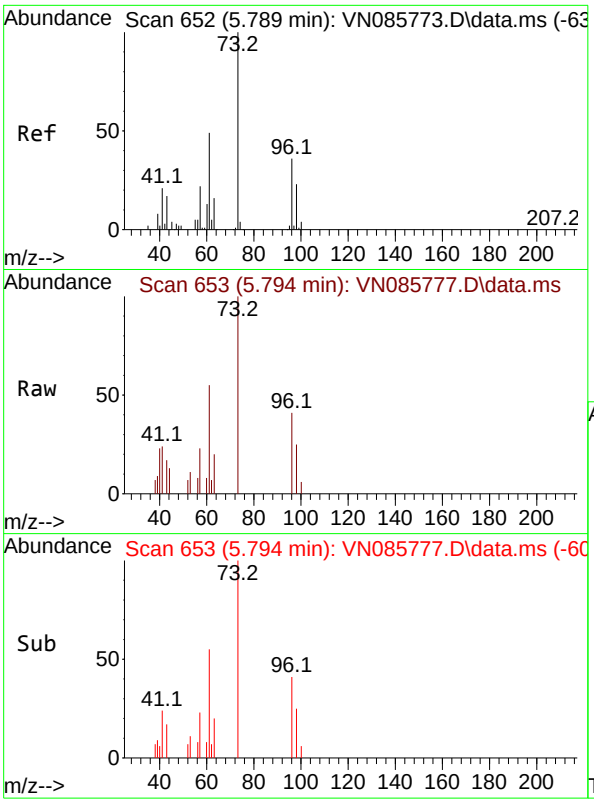


#18
Methyl Acetate
Concen: 1.210 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 4677

Ion	Ratio	Lower	Upper
43	100		
74	2.5	22.2	33.4#

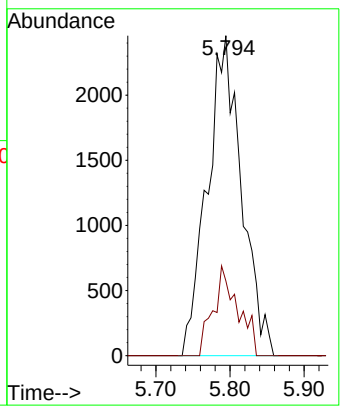




#19
Methyl tert-butyl Ether
Concen: 0.883 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 73 Resp: 788

Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.6	26.4



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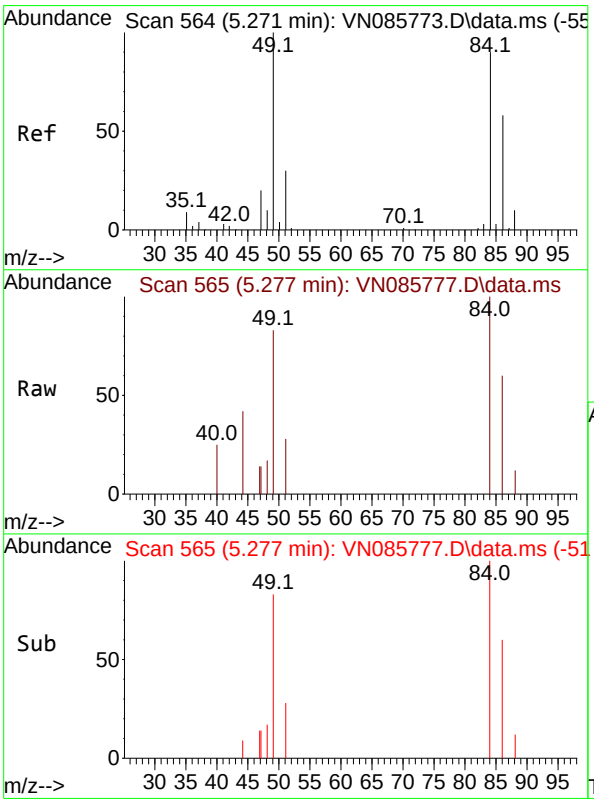
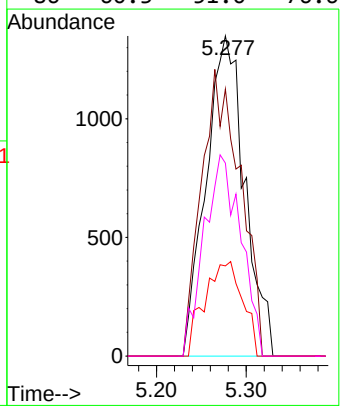
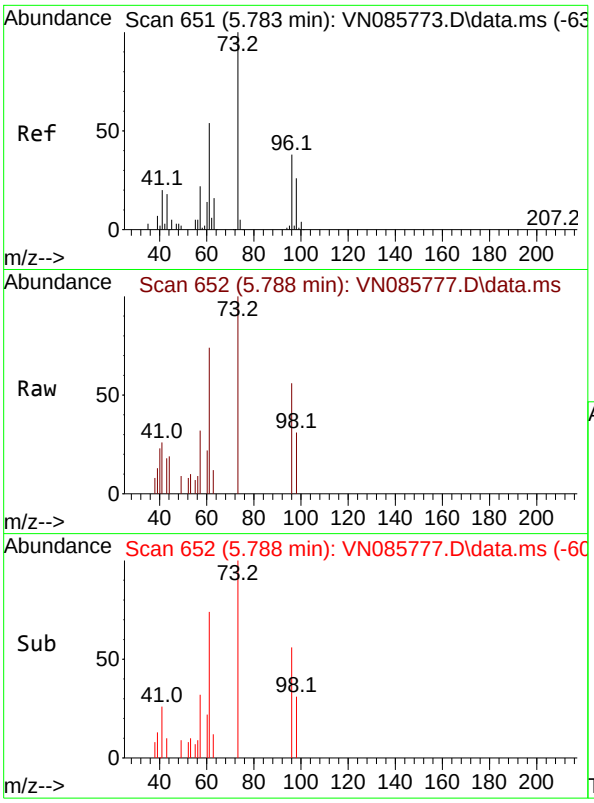


#20
Methylene Chloride
Concen: 1.116 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 84 Resp: 4036

Ion	Ratio	Lower	Upper
84	100		
49	83.4	88.4	132.6#
51	28.2	26.6	40.0
86	60.3	51.0	76.6

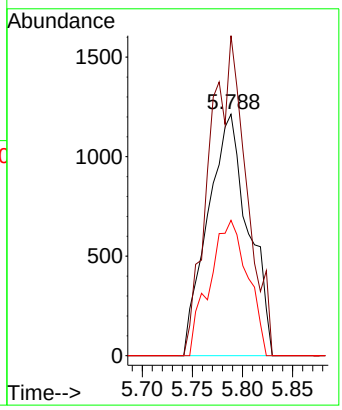




#21
trans-1,2-Dichloroethene
Concen: 1.055 ug/l
RT: 5.788 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 96 Resp: 341

Ion	Ratio	Lower	Upper
96	100		
61	132.6	112.6	168.8
98	56.1	53.3	79.9



Instrument :
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ClientSampleId :
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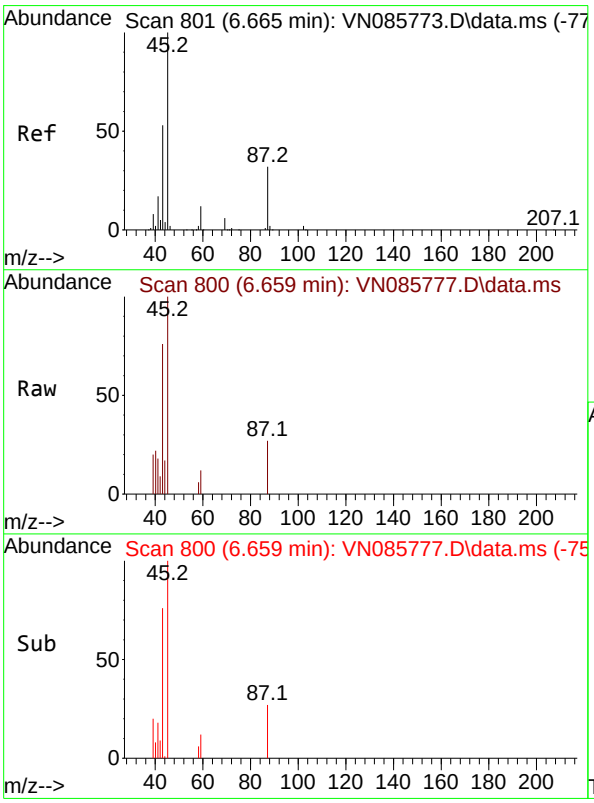
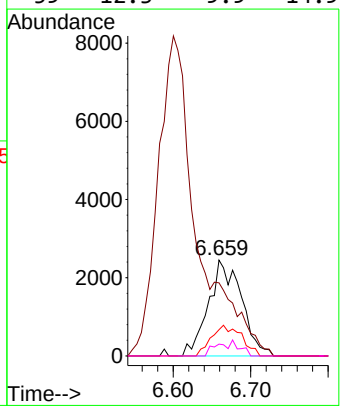
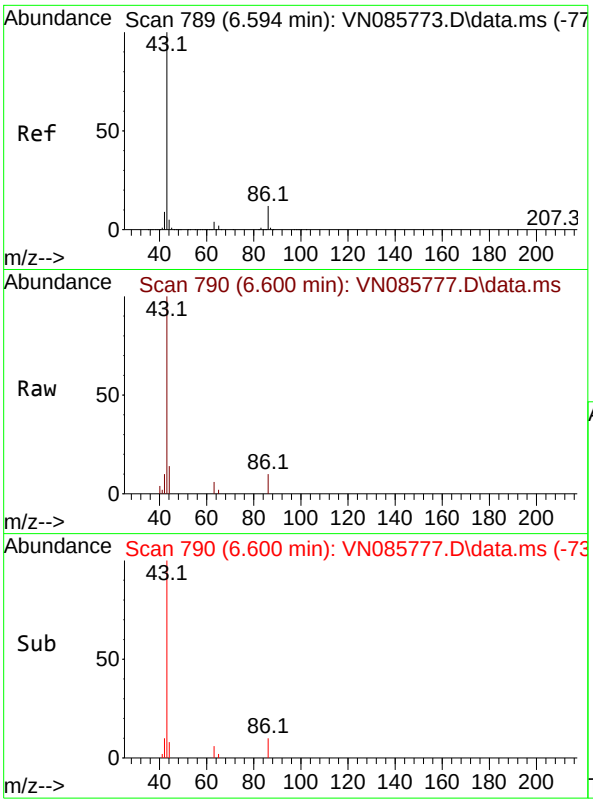


#22
Diisopropyl ether
Concen: 0.815 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 45 Resp: 7268

Ion	Ratio	Lower	Upper
45	100		
43	76.2	42.6	64.0#
87	27.4	25.8	38.8
59	12.3	9.9	14.9

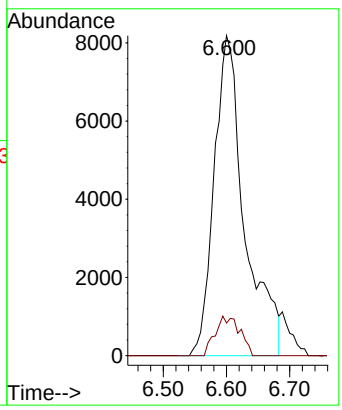




#23
Vinyl Acetate
Concen: 4.498 ug/l m
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 2737

Ion	Ratio	Lower	Upper
43	100		
86	10.2	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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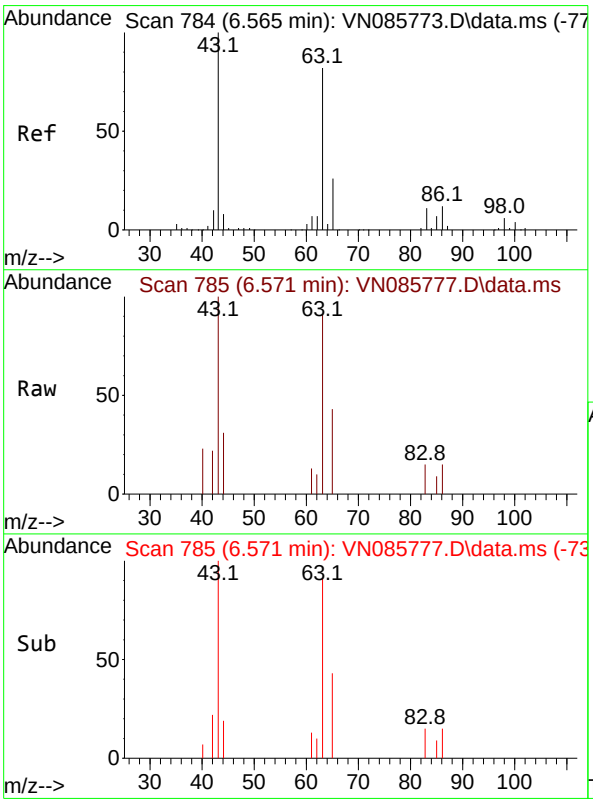
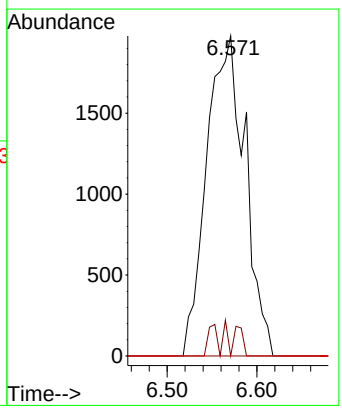
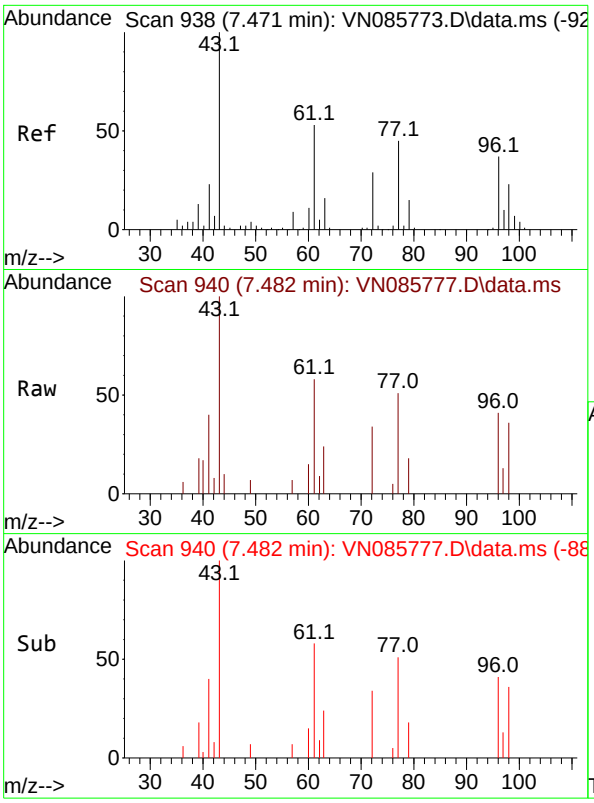


#24
1,1-Dichloroethane
Concen: 0.970 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 63 Resp: 5881

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.4#
100	0.0	2.4	7.2#

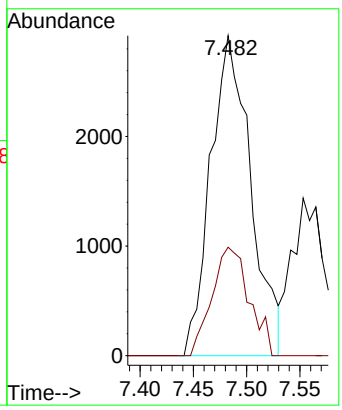




#25
2-Butanone
Concen: 4.630 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 765

Ion	Ratio	Lower	Upper
43	100		
72	33.9	23.6	35.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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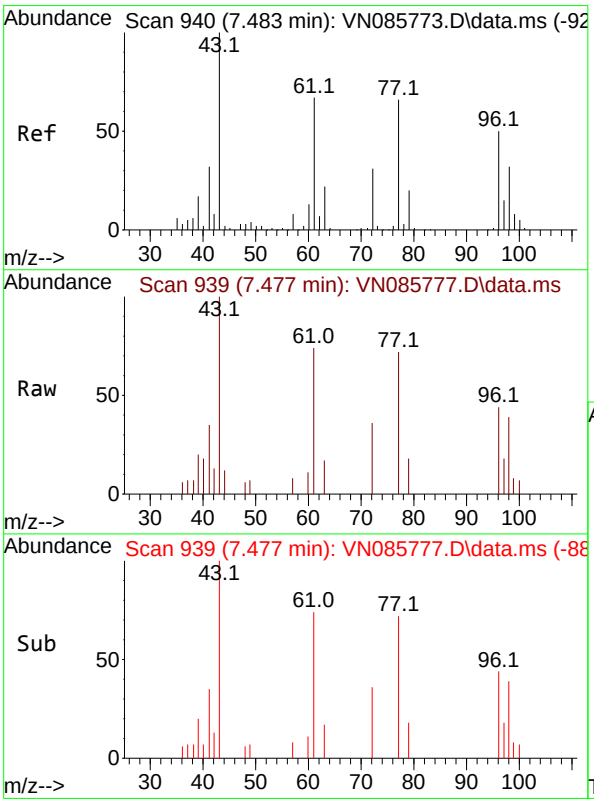
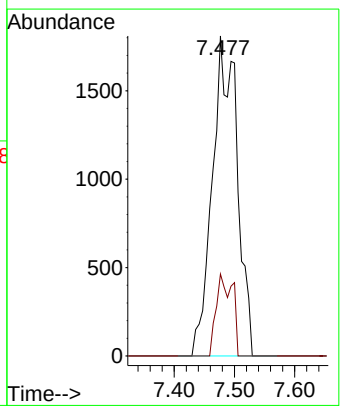
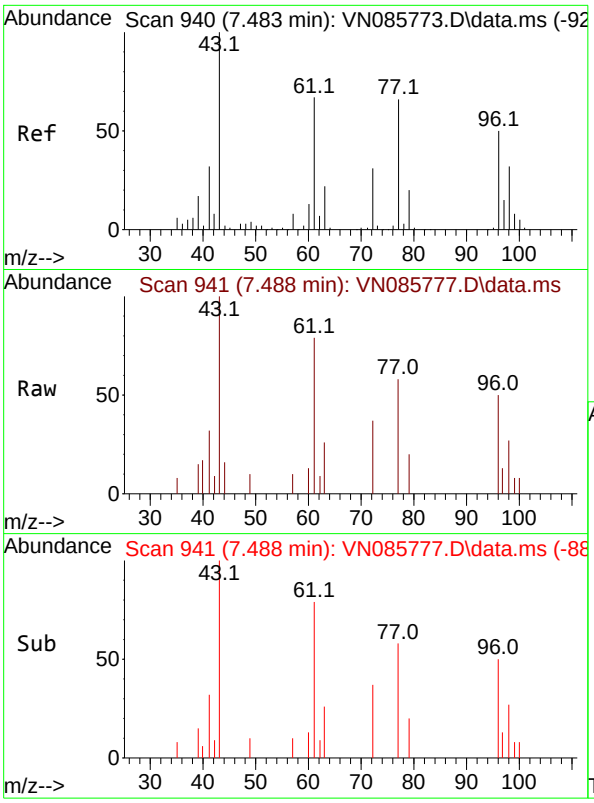


#26
2,2-Dichloropropane
Concen: 0.959 ug/l m
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 77 Resp: 5170

Ion	Ratio	Lower	Upper
77	100		
97	16.8	11.3	33.8

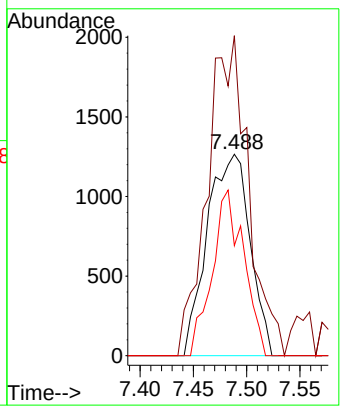




#27
cis-1,2-Dichloroethene
Concen: 0.944 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 96 Resp: 354

Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	280.6
98	60.5	0.0	128.6



Instrument :
MSVOA_N
ClientSampleId :
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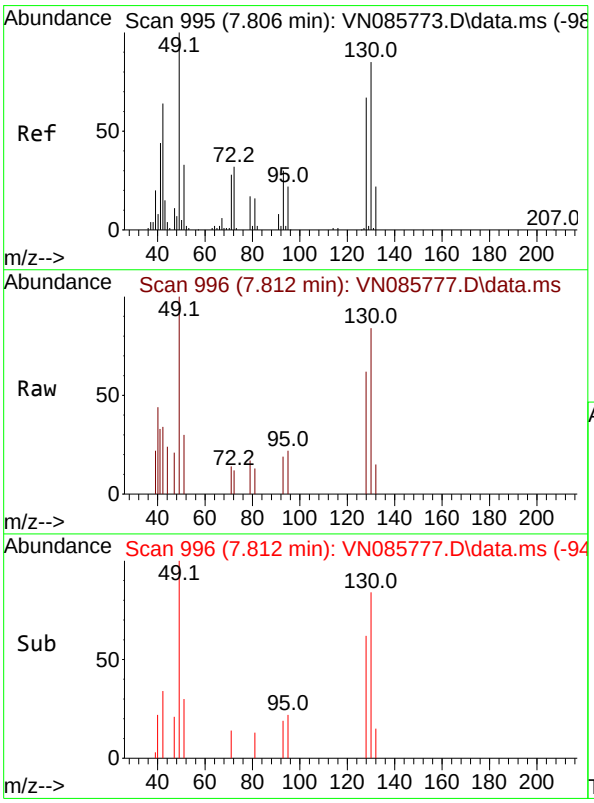
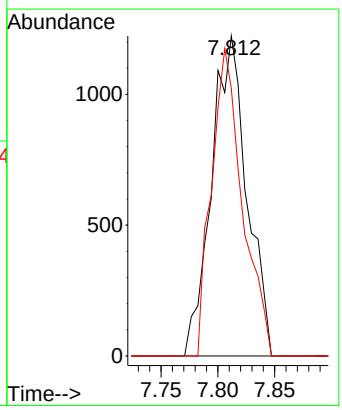
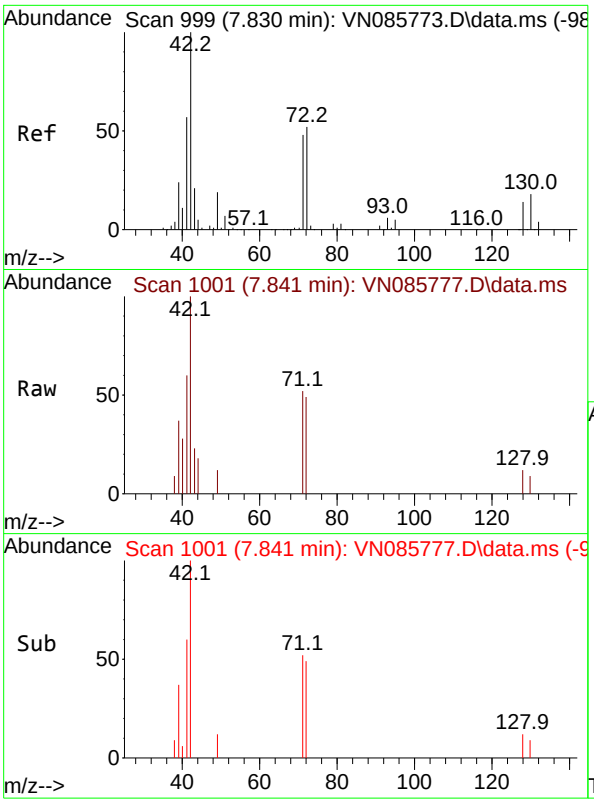


#28
Bromochloromethane
Concen: 1.063 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 49 Resp: 2649

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	83.6	68.0	102.0

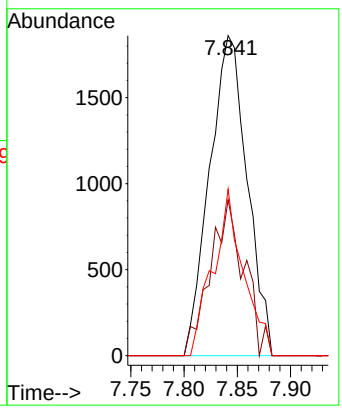




#29
Tetrahydrofuran
Concen: 4.276 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 42 Resp: 456

Ion	Ratio	Lower	Upper
42	100		
72	44.3	40.0	60.0
71	42.4	37.0	55.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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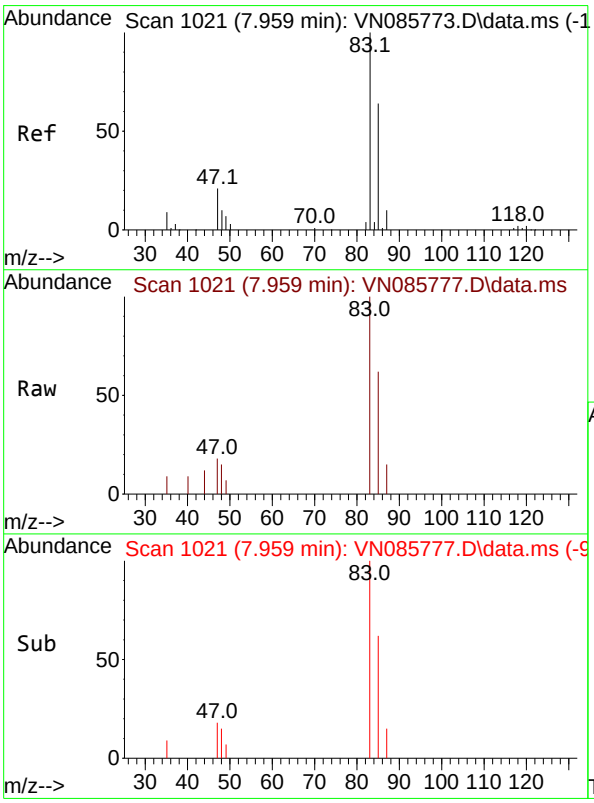
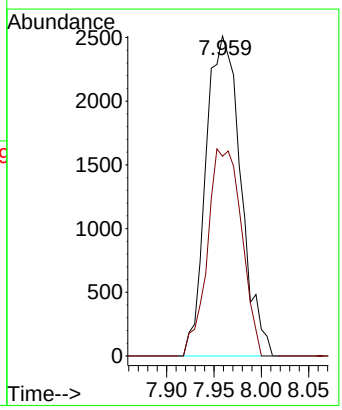
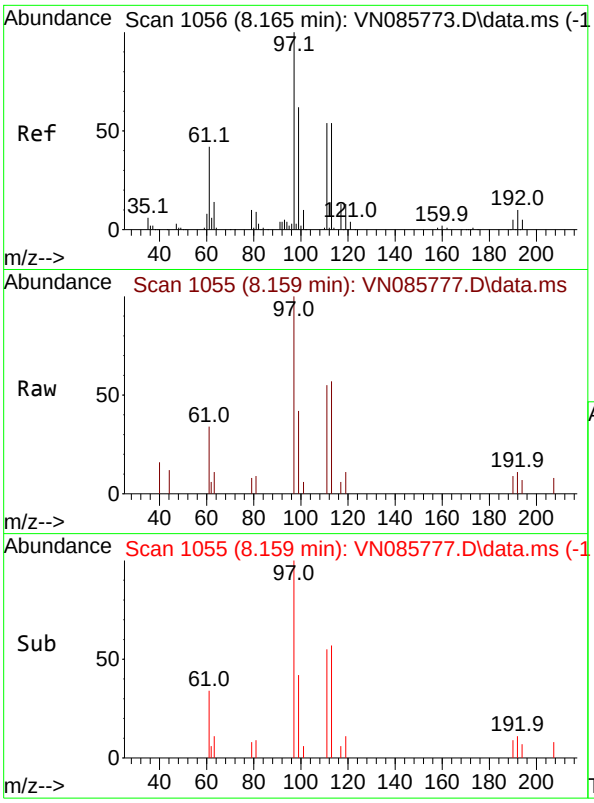


#30
Chloroform
Concen: 1.013 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 83 Resp: 6416

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.9	76.3

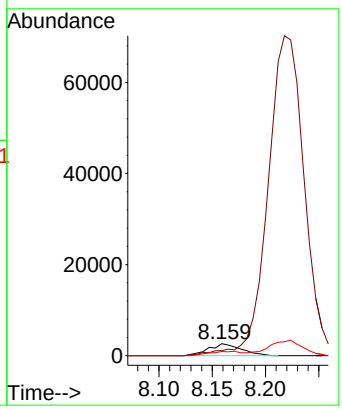




#32
1,1,1-Trichloroethane
Concen: 1.002 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 97 Resp: 564

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	36.6	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
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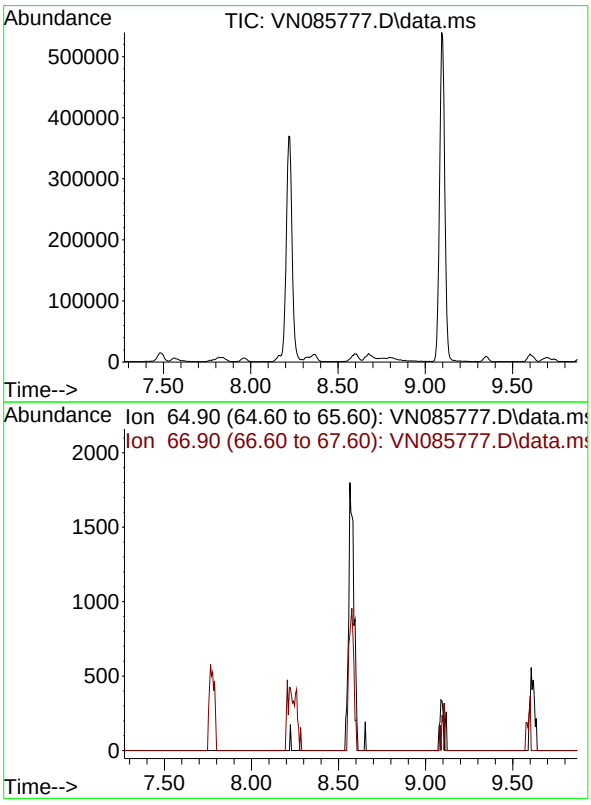
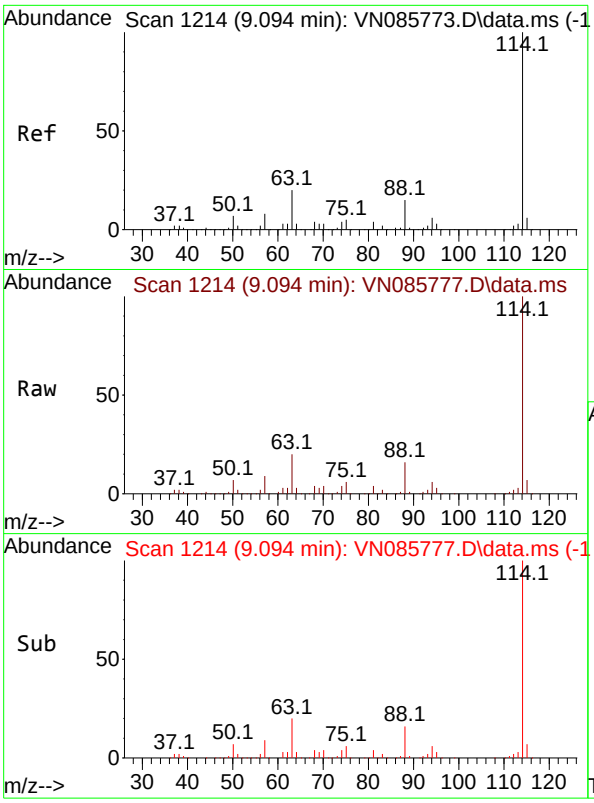


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.57 min

Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	53.1



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:114 Resp: 47645

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.2
88	16.1	0.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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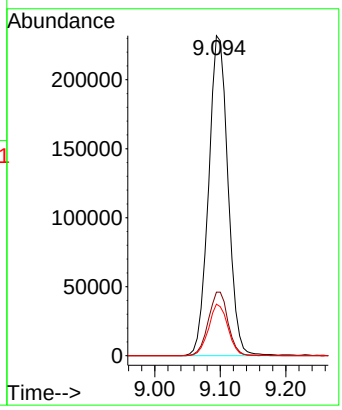
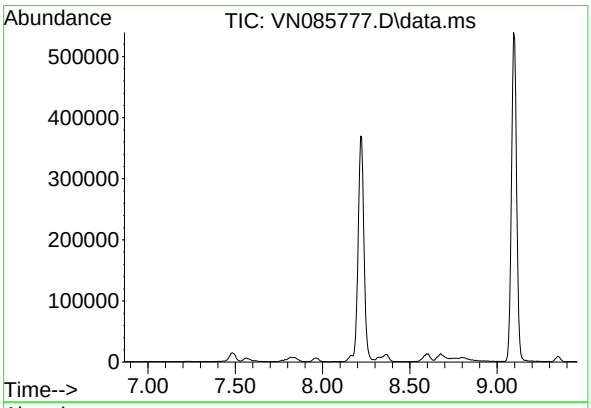


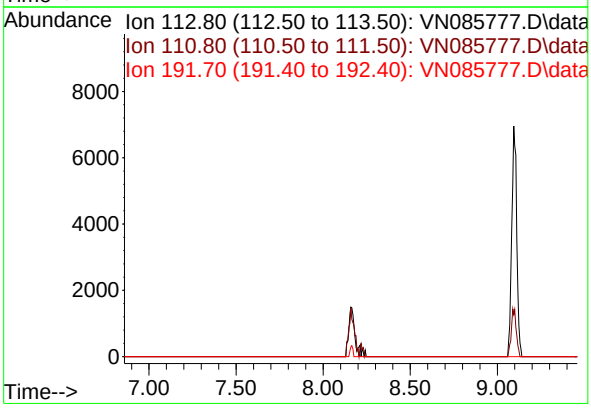


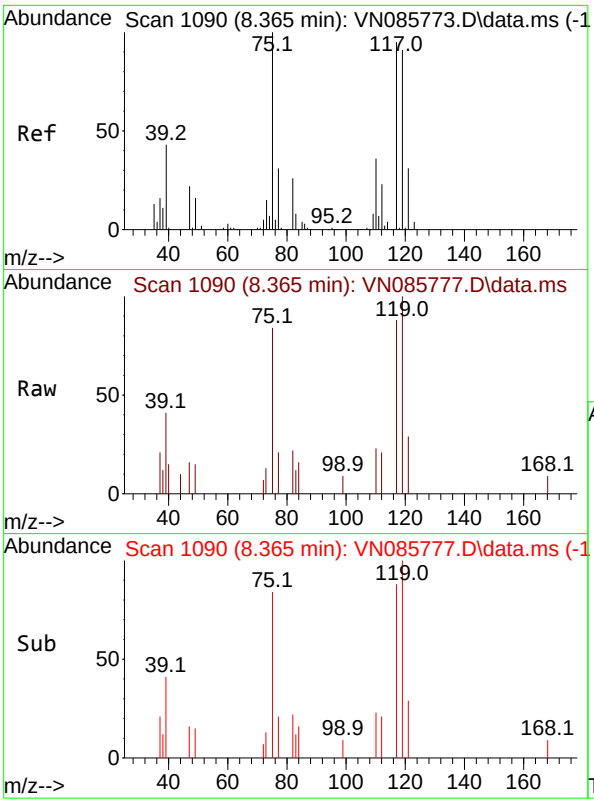
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.8
192	18.4

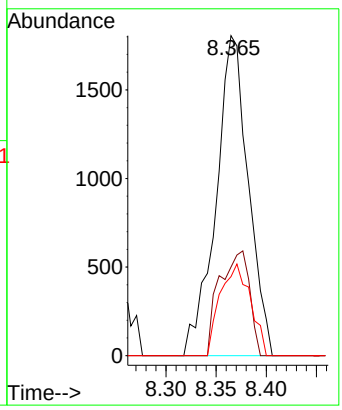




#36
1,1-Dichloropropene
Concen: 0.919 ug/l
RT: 8.365 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 405

Ion	Ratio	Lower	Upper
75	100		
110	30.3	17.3	52.0
77	26.7	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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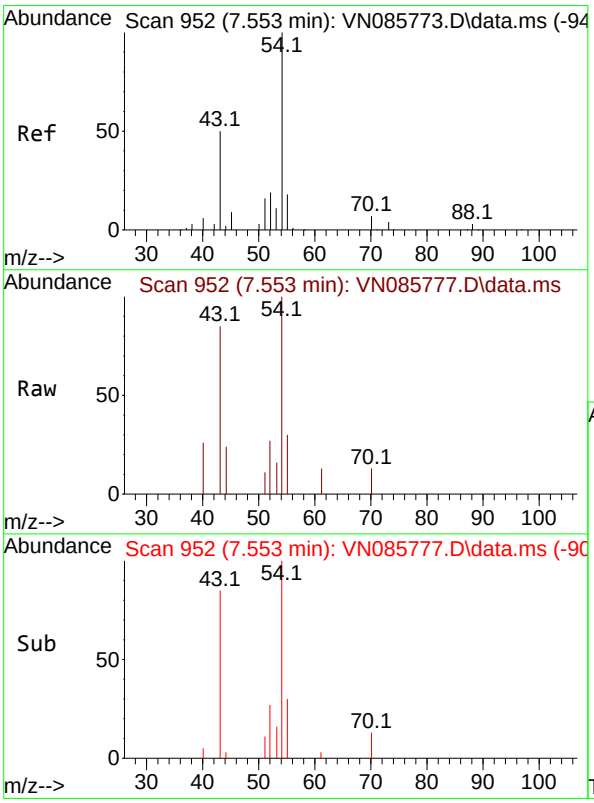
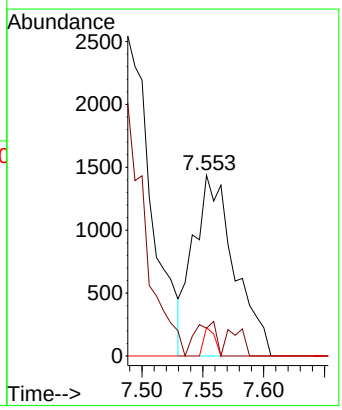
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

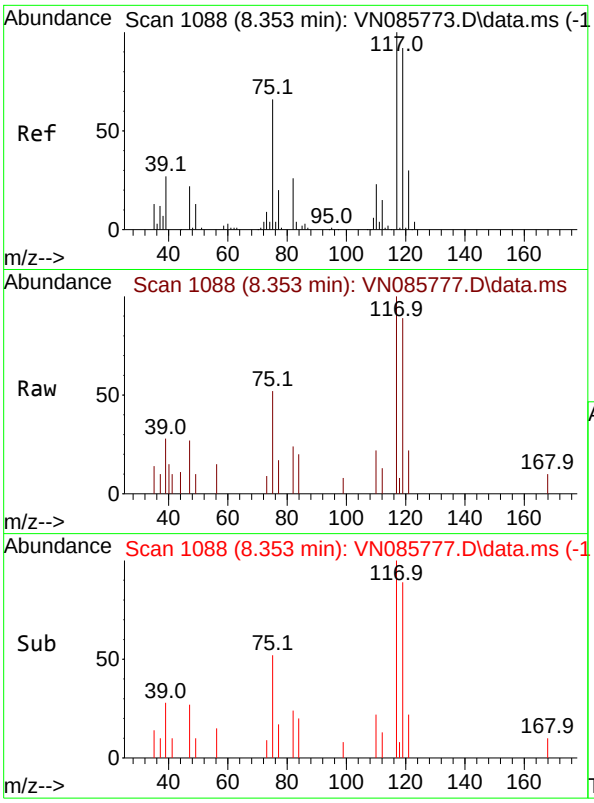


#37
Ethyl Acetate
Concen: 0.927 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 3365

Ion	Ratio	Lower	Upper
43	100		
61	9.5	12.2	18.2#
70	4.2	9.5	14.3#

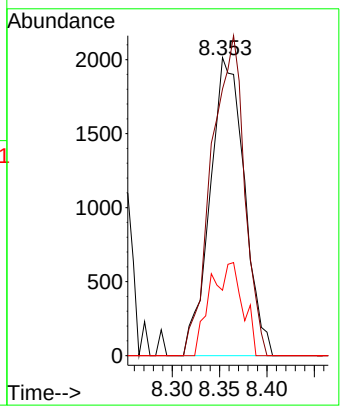




#38
Carbon Tetrachloride
Concen: 0.969 ug/l
RT: 8.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:117 Resp: 507

Ion	Ratio	Lower	Upper
117	100		
119	89.5	73.8	110.6
121	21.9	24.3	36.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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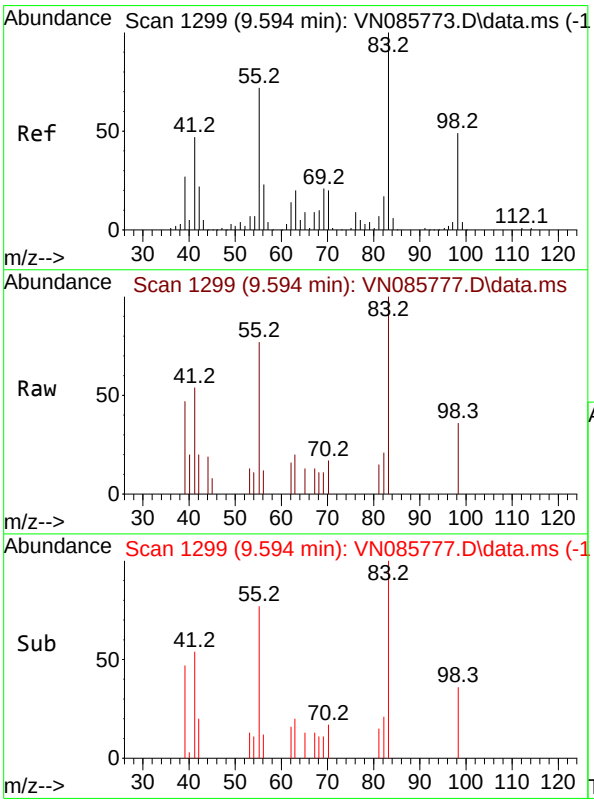
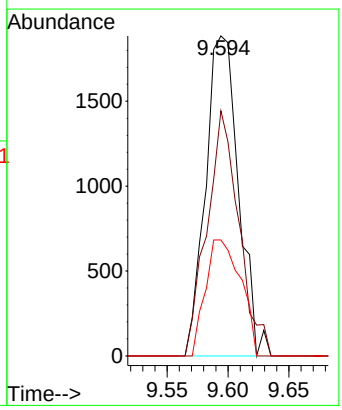
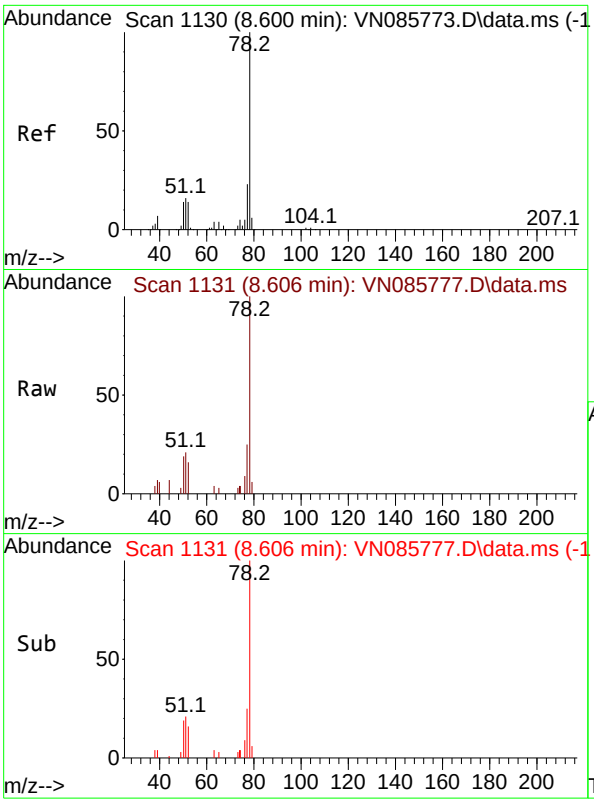


#39
Methylcyclohexane
Concen: 0.821 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 83 Resp: 3557

Ion	Ratio	Lower	Upper
83	100		
55	76.6	57.5	86.3
98	36.2	39.2	58.8#

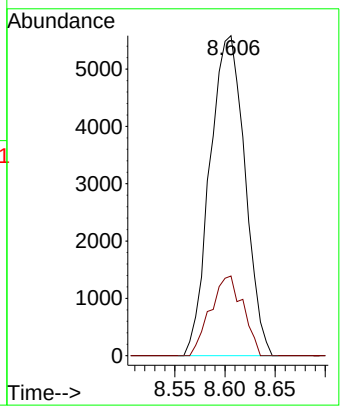




#40
Benzene
Concen: 0.957 ug/l
RT: 8.606 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 78 Resp: 1353

Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.3	27.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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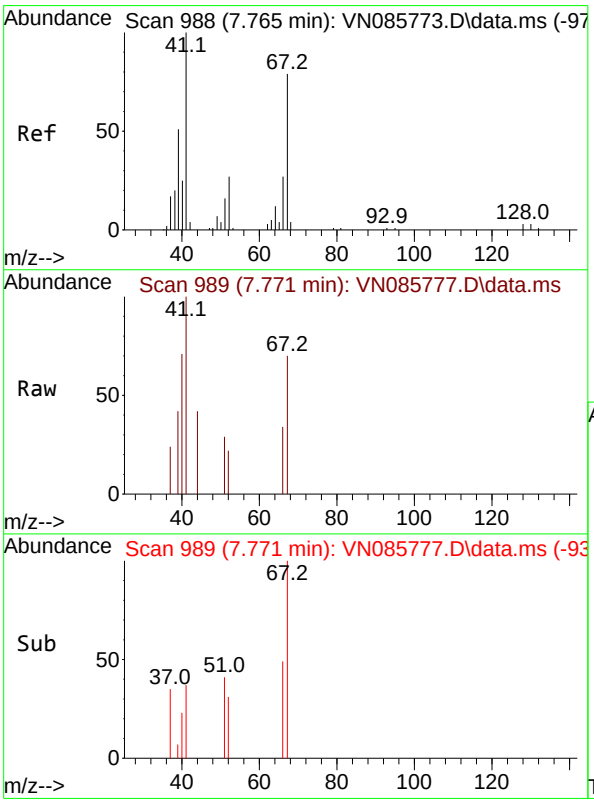
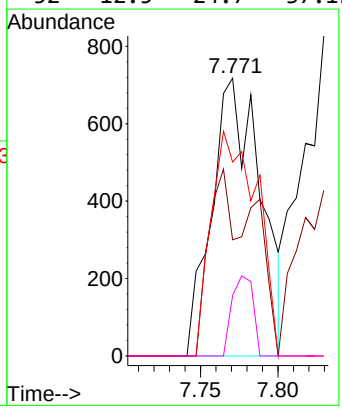
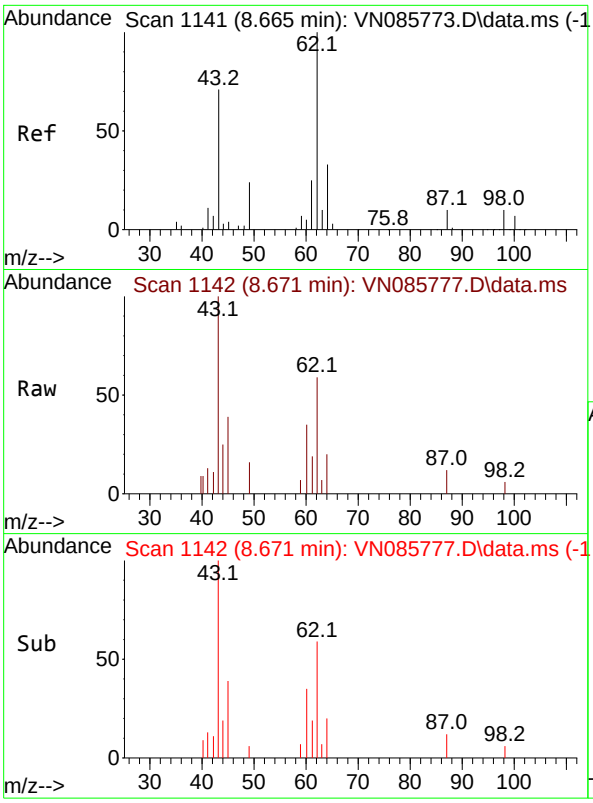


#41
Methacrylonitrile
Concen: 0.810 ug/l
RT: 7.771 min Scan# 989
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 41 Resp: 1573

Ion	Ratio	Lower	Upper
41	100		
39	39.4	42.0	63.0#
67	75.6	64.2	96.4
52	12.5	24.7	37.1#

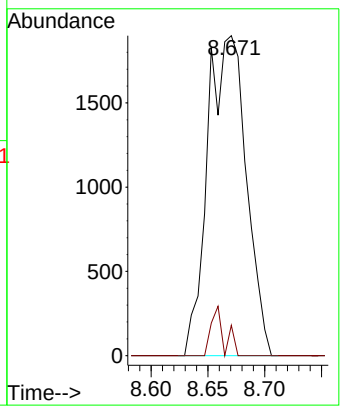




#42
1,2-Dichloroethane
Concen: 0.976 ug/l
RT: 8.671 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 62 Resp: 449

Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	19.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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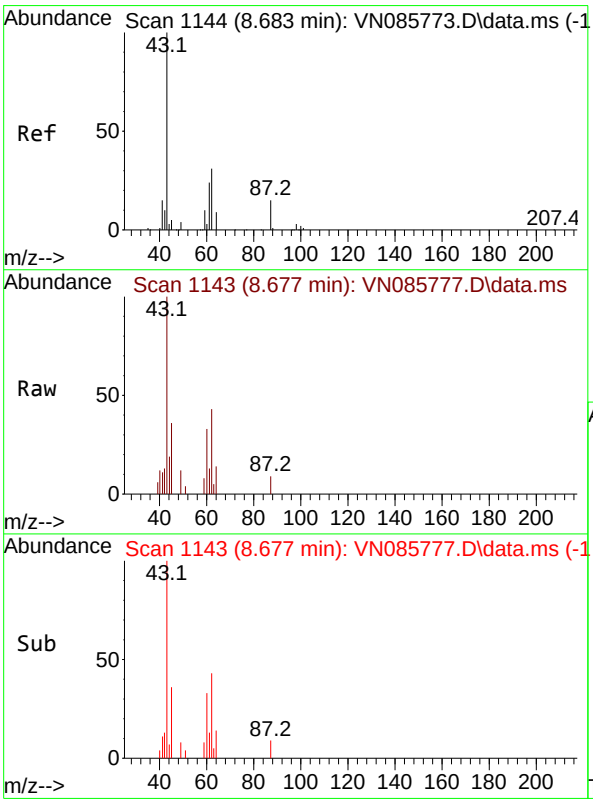
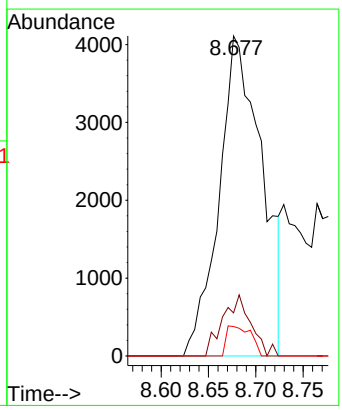
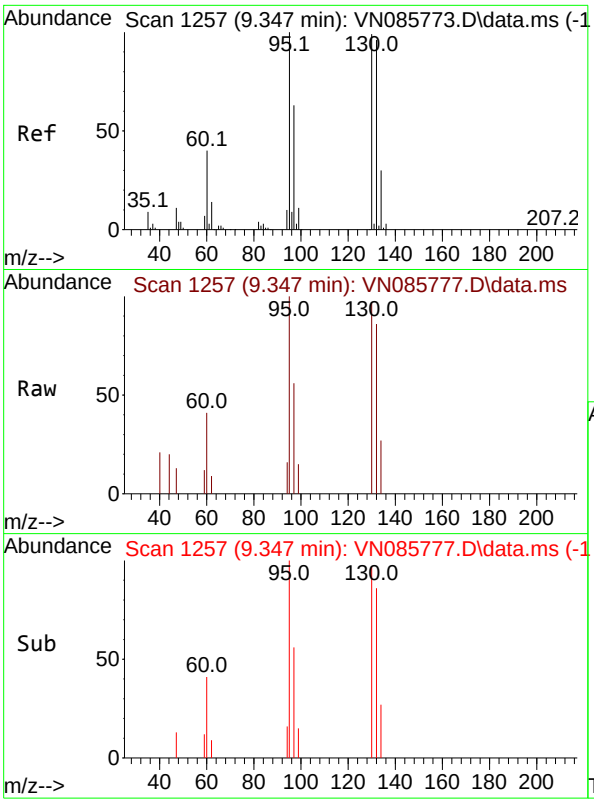


#43
Isopropyl Acetate
Concen: 1.494 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 12901

Ion	Ratio	Lower	Upper
43	100		
61	12.7	22.6	34.0#
87	5.3	11.8	17.8#

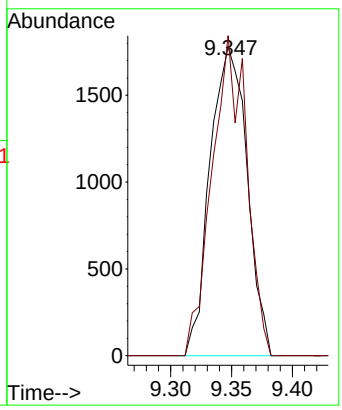




#44
Trichloroethene
Concen: 1.085 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:130 Resp: 376

Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	202.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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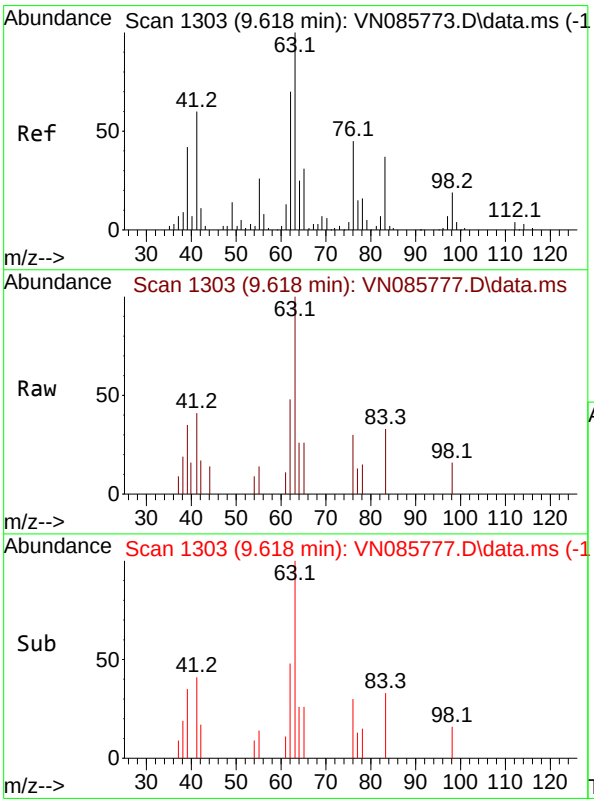
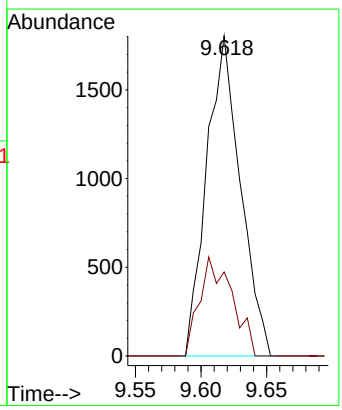
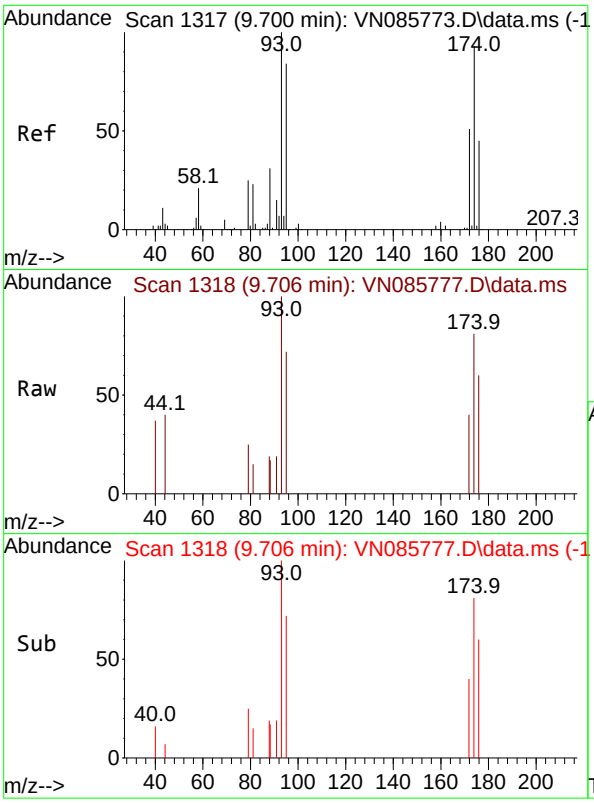


#45
1,2-Dichloropropane
Concen: 0.948 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 63 Resp: 3235

Ion	Ratio	Lower	Upper
63	100		
65	26.3	25.1	37.7

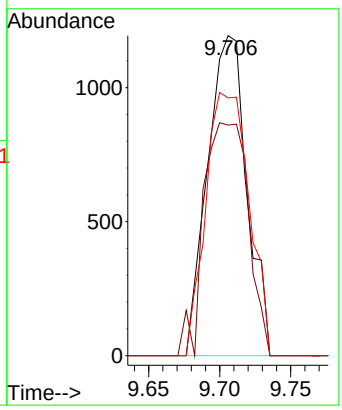




#46
Dibromomethane
Concen: 0.957 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 93 Resp: 230

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.7	100.1
174	90.5	77.2	115.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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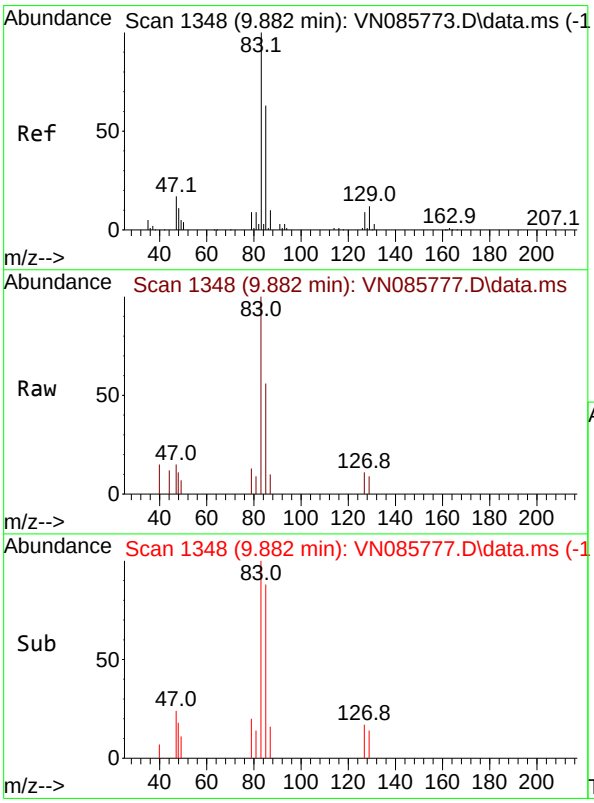
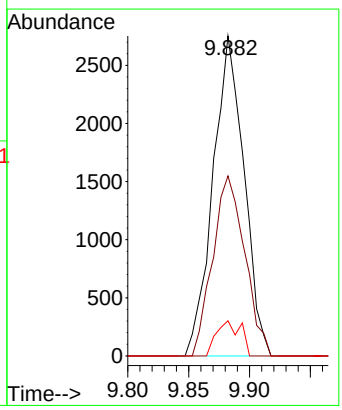
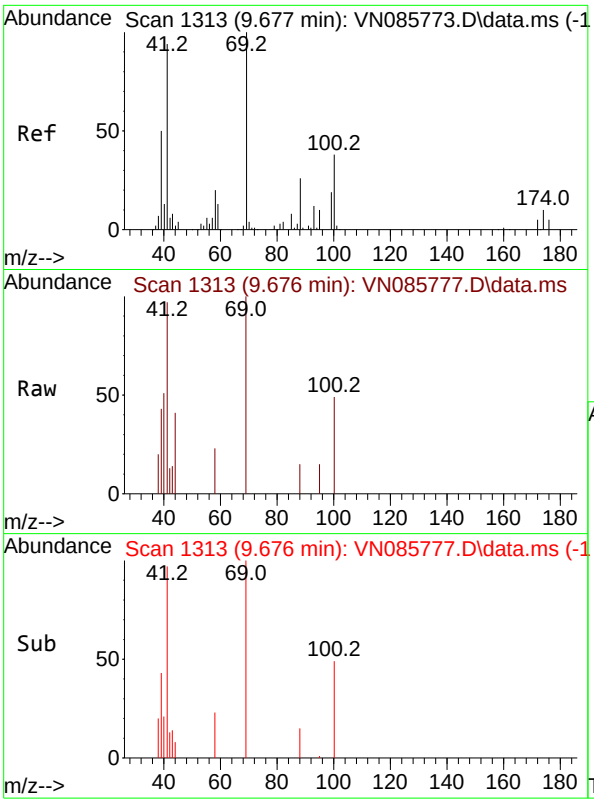


#47
Bromodichloromethane
Concen: 0.947 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 83 Resp: 4879

Ion	Ratio	Lower	Upper
83	100		
85	56.2	50.5	75.7
127	11.0	7.2	10.8#





#48
Methyl methacrylate
Concen: 0.833 ug/l
RT: 9.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 41 Resp: 224

Ion	Ratio	Lower	Upper
41	100		
69	83.9	76.0	114.0
39	53.9	42.3	63.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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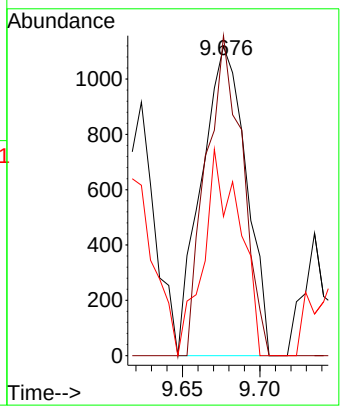
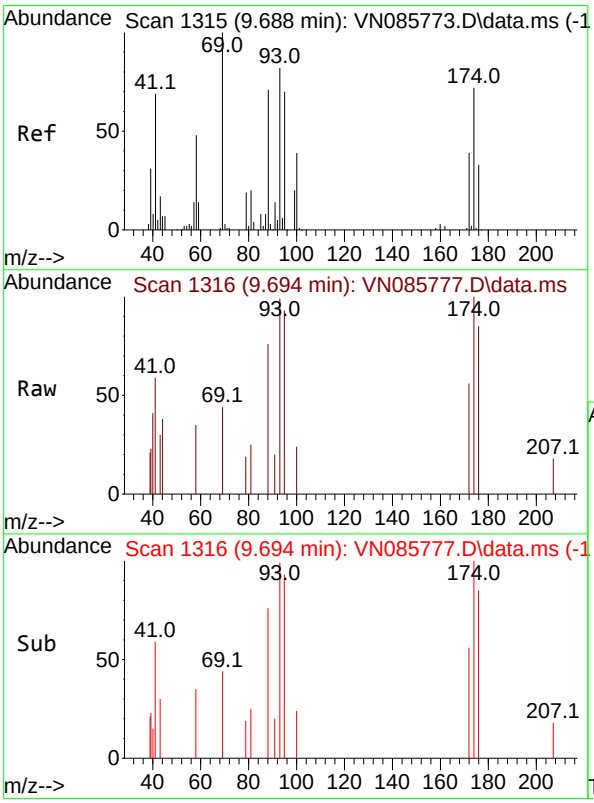
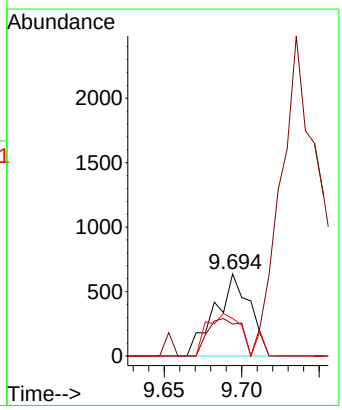


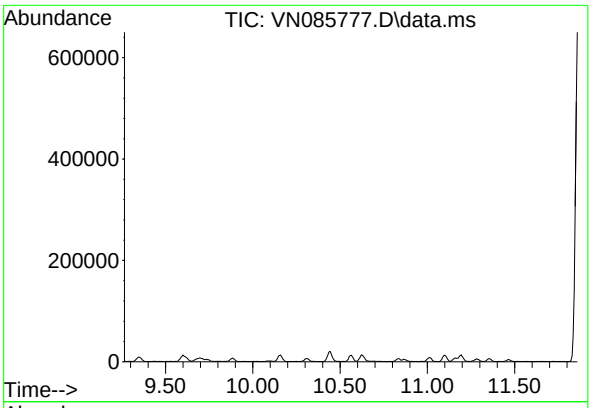


#49
1,4-Dioxane
Concen: 19.344 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 88 Resp: 992

Ion	Ratio	Lower	Upper
88	100		
43	43.8	18.6	27.8#
58	55.7	56.7	85.1#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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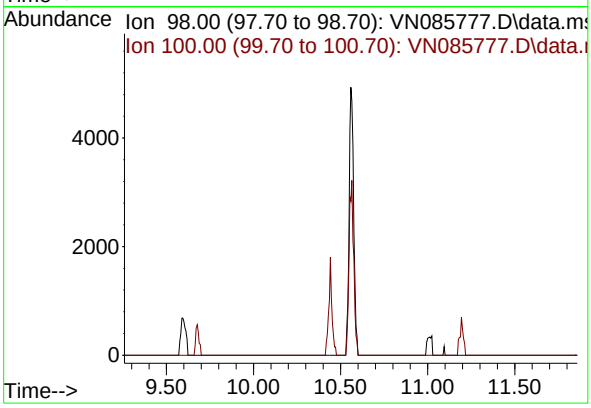
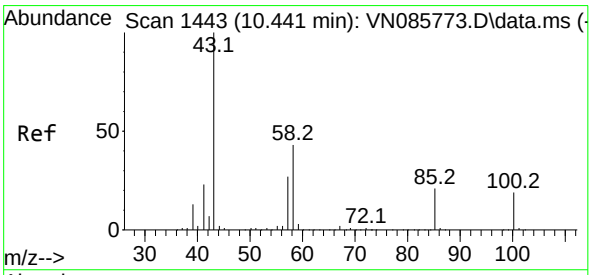
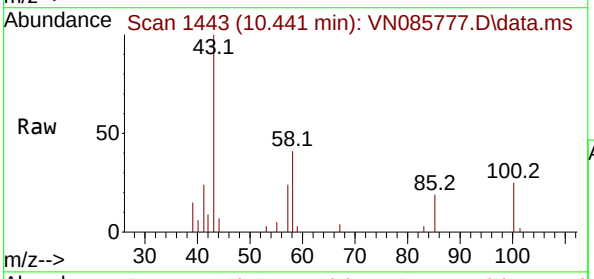


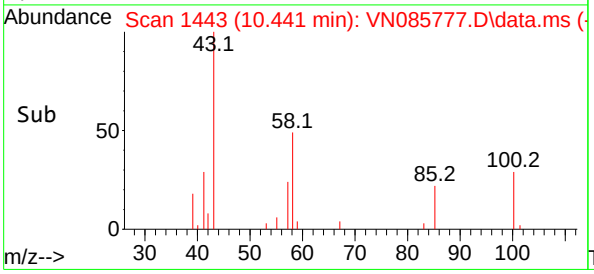


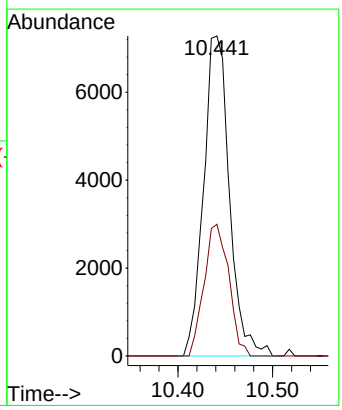
#51
4-Methyl-2-Pentanone
Concen: 3.951 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

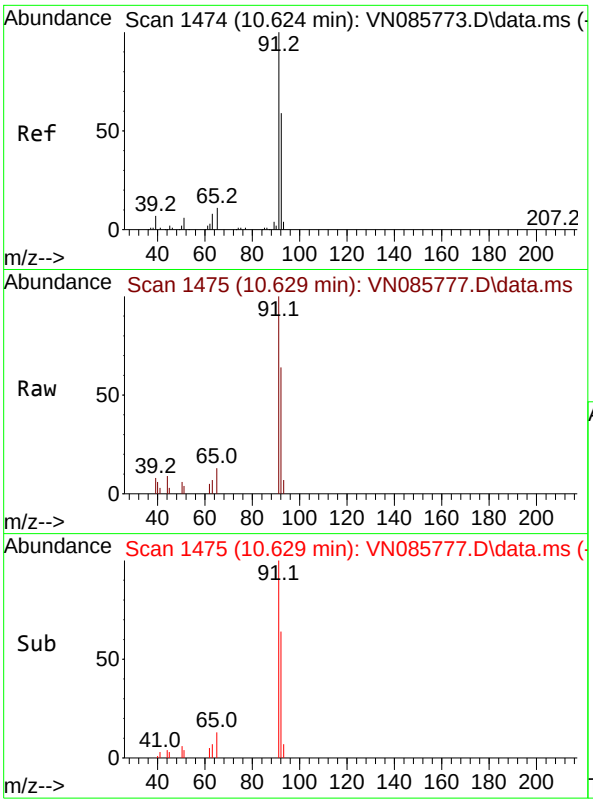
Tgt Ion: 43 Resp: 13832

Ion	Ratio	Lower	Upper
43	100		
58	39.3	34.6	52.0





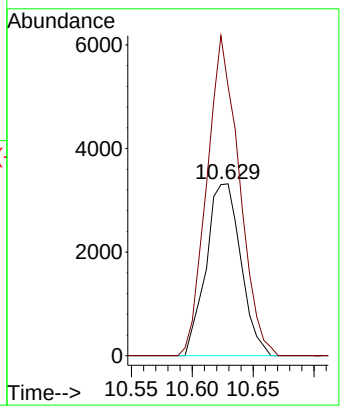




#52
Toluene
Concen: 0.792 ug/l
RT: 10.629 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 92 Resp: 656

Ion	Ratio	Lower	Upper
92	100		
91	173.8	136.9	205.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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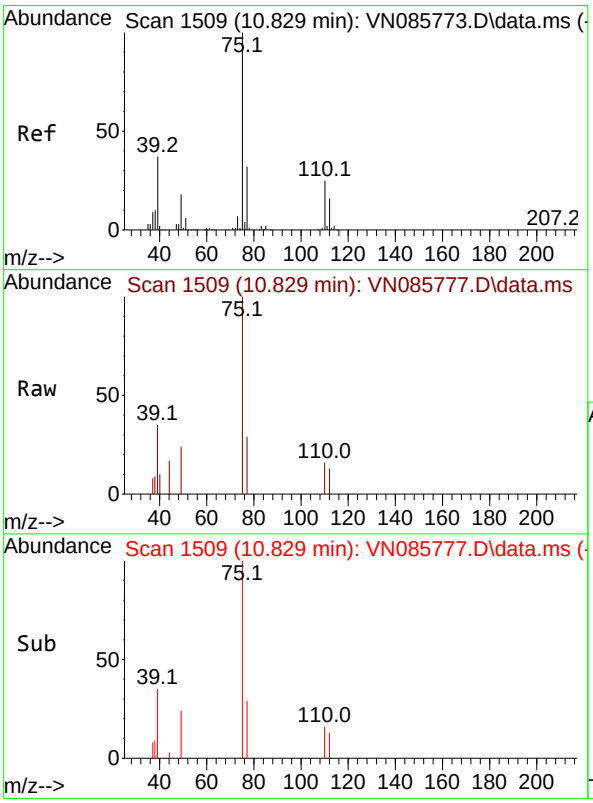
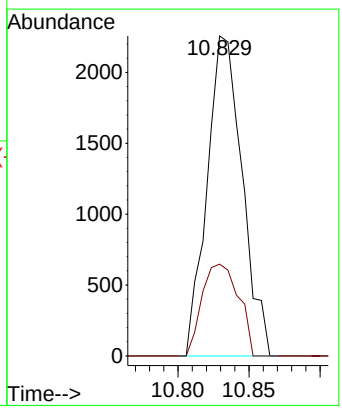
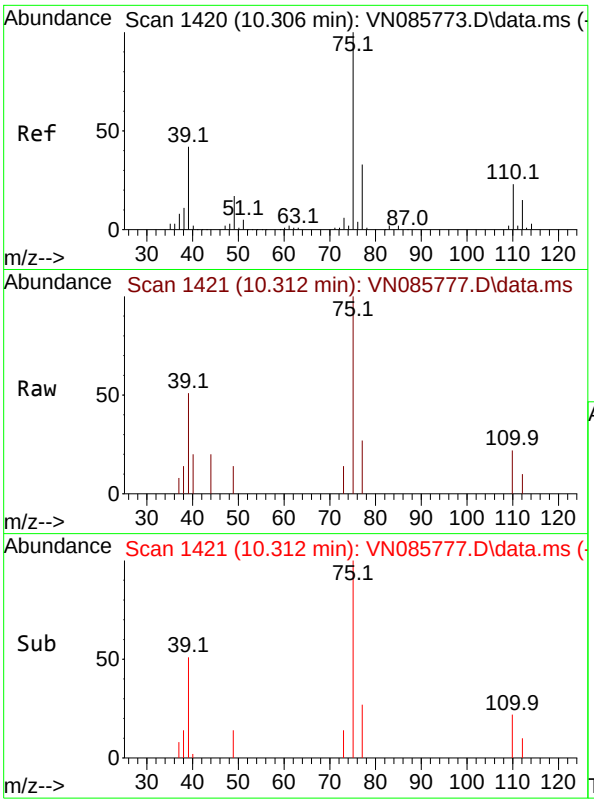


#53
t-1,3-Dichloropropene
Concen: 0.815 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 3884

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.4	38.0

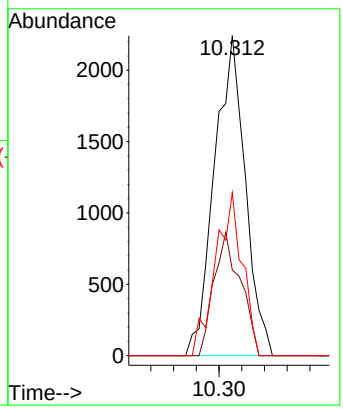




#54
cis-1,3-Dichloropropene
Concen: 0.806 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 421

Ion	Ratio	Lower	Upper
75	100		
77	26.8	26.1	39.1
39	50.9	33.4	50.0#



Instrument :
MSVOA_N
ClientSampleId :
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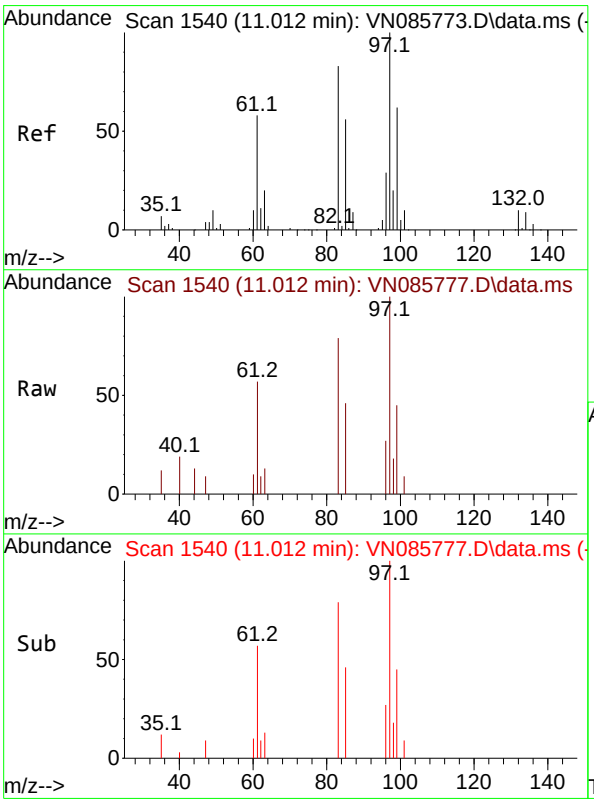
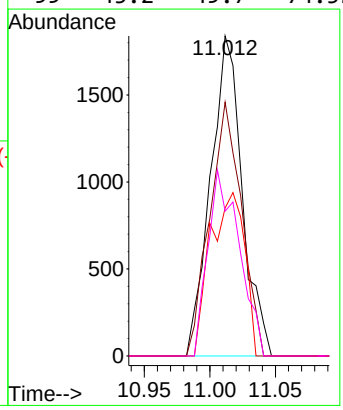
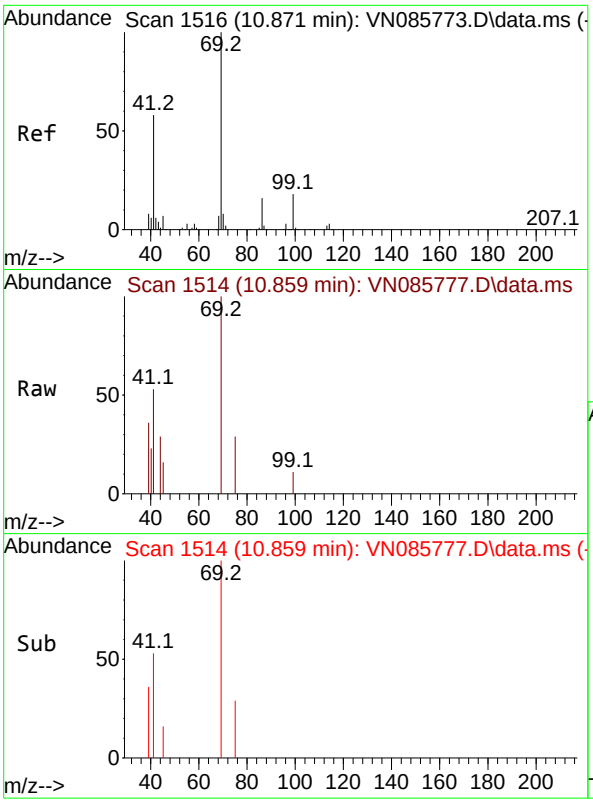


#55
1,1,2-Trichloroethane
Concen: 0.936 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 97 Resp: 3084

Ion	Ratio	Lower	Upper
97	100		
83	79.3	66.1	99.1
85	46.3	44.7	67.1
99	45.2	49.7	74.5#

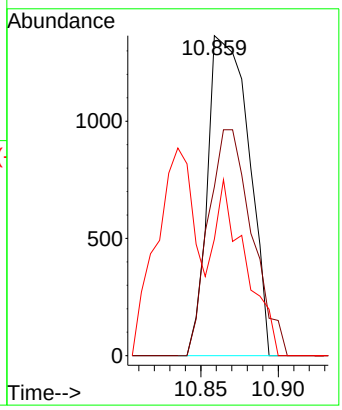




#56
Ethyl methacrylate
Concen: 1.052 ug/l
RT: 10.859 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 69 Resp: 251

Ion	Ratio	Lower	Upper
69	100		
41	75.0	46.0	69.0#
39	41.8	22.0	33.0#



Instrument :
MSVOA_N
ClientSampleId :
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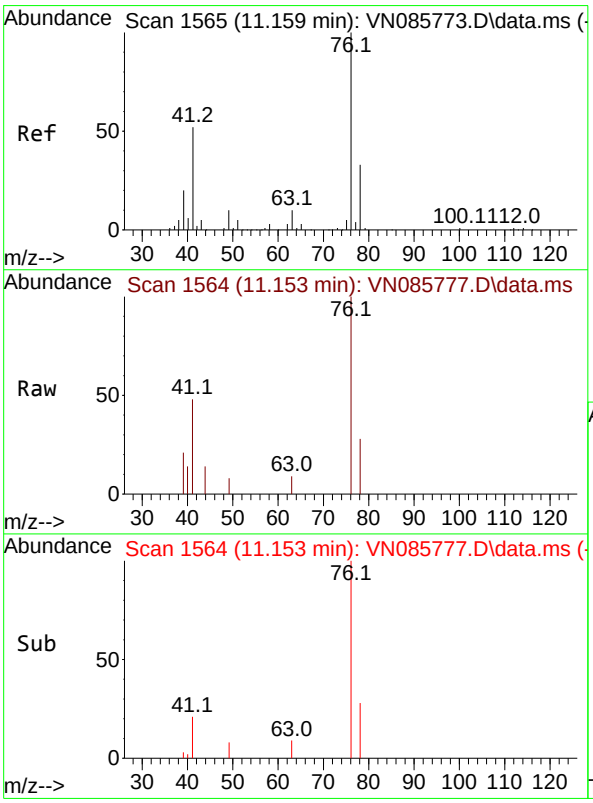
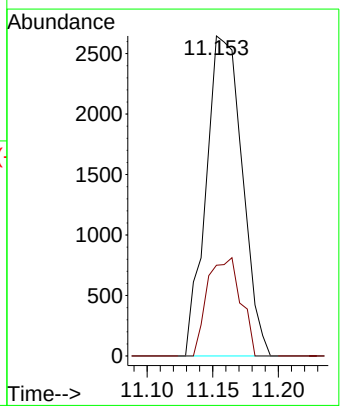
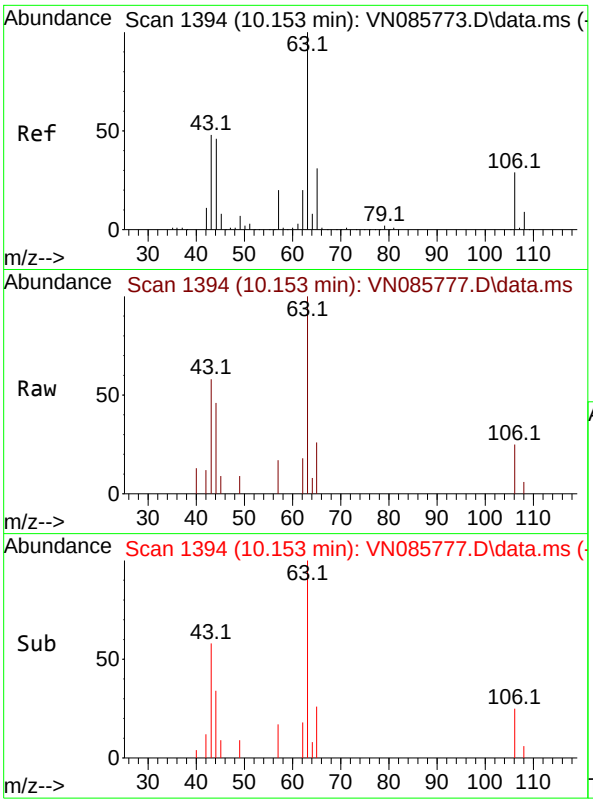


#57
1,3-Dichloropropane
Concen: 0.923 ug/l
RT: 11.153 min Scan# 1564
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 76 Resp: 5078

Ion	Ratio	Lower	Upper
76	100		
78	28.3	25.9	38.9





#58
2-Chloroethyl Vinyl ether
Concen: 3.424 ug/l
RT: 10.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 63 Resp: 635

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.7	34.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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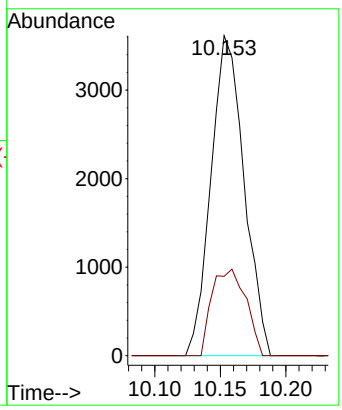
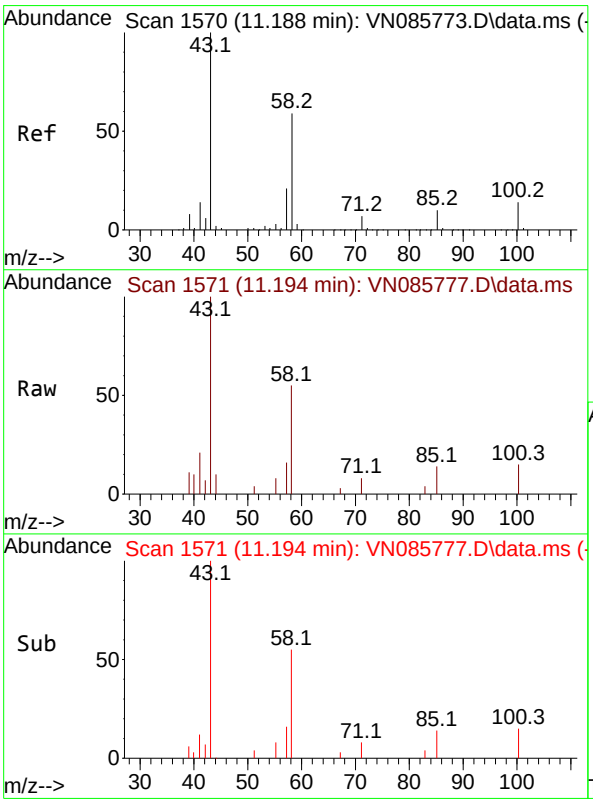
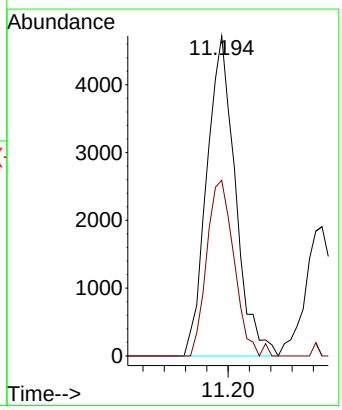


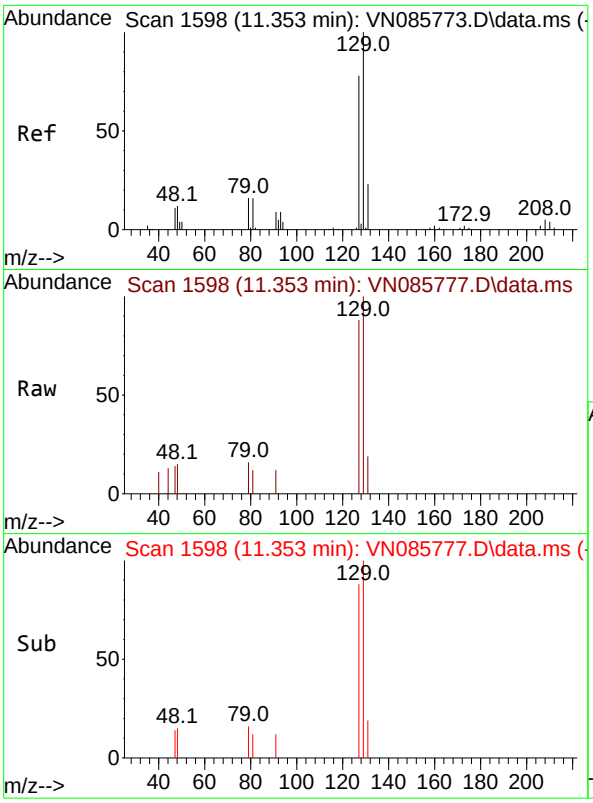


#59
2-Hexanone
Concen: 3.646 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 8780

Ion	Ratio	Lower	Upper
43	100		
58	52.6	29.8	89.5

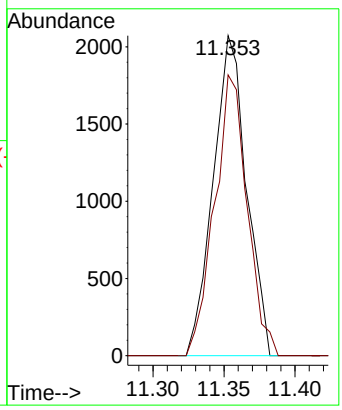




#60
Dibromochloromethane
Concen: 0.881 ug/l
RT: 11.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:129 Resp: 338

Ion	Ratio	Lower	Upper
129	100		
127	85.8	39.1	117.5



Instrument :
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ClientSampleId :
VSTDICC001

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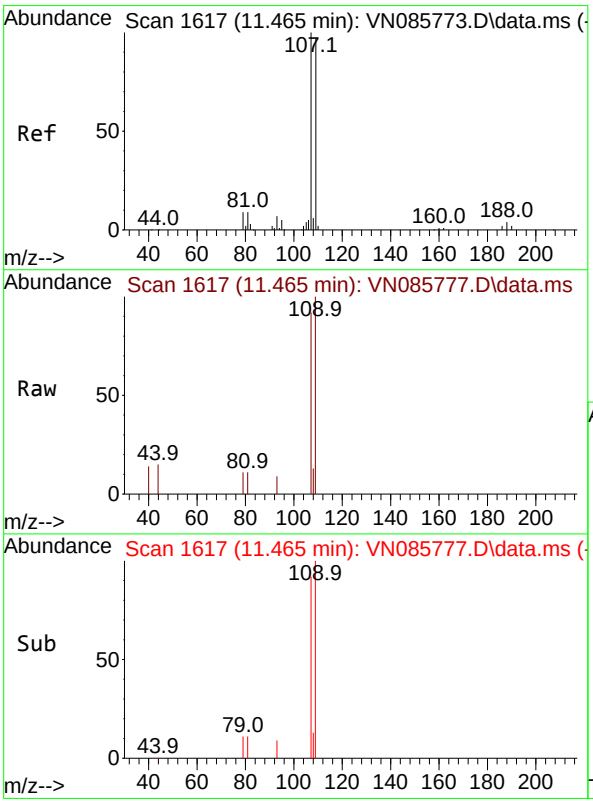
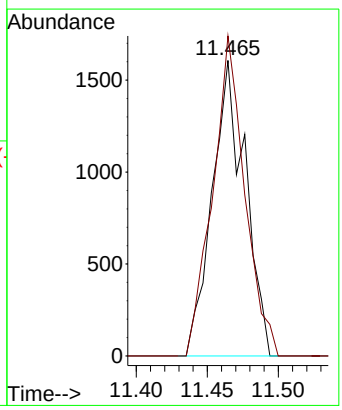
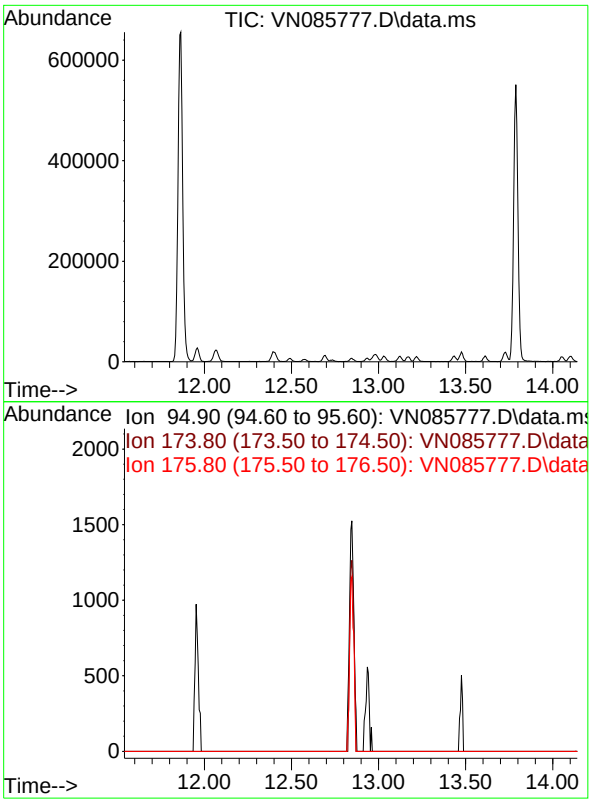


#61
1,2-Dibromoethane
Concen: 0.835 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:107 Resp: 2599

Ion	Ratio	Lower	Upper
107	100		
109	105.4	76.0	114.0





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.84 min

Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	76.2
176	73.3

Instrument :
MSVOA_N
ClientSampleId :
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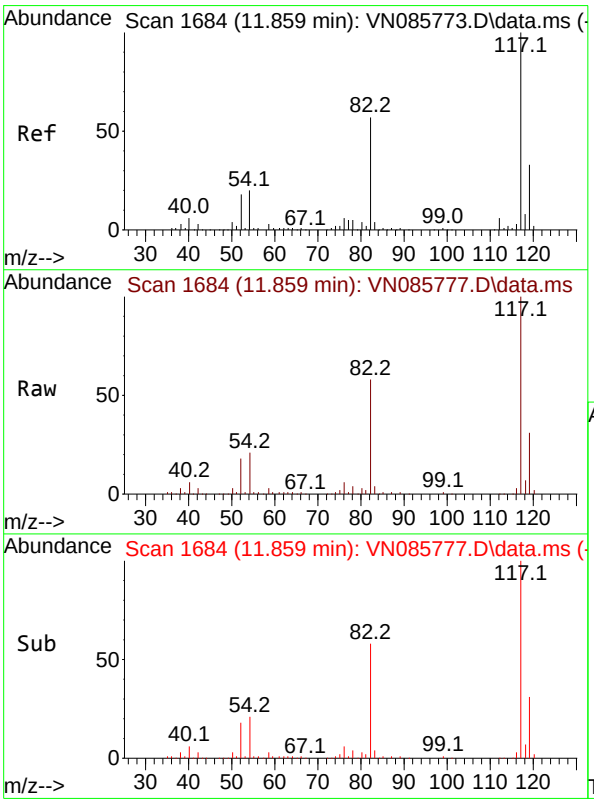
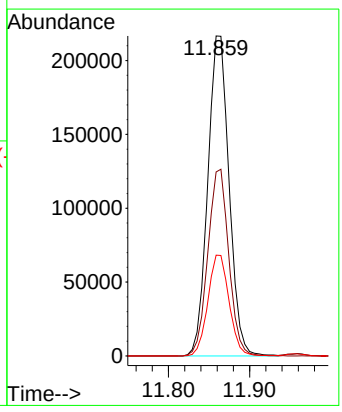
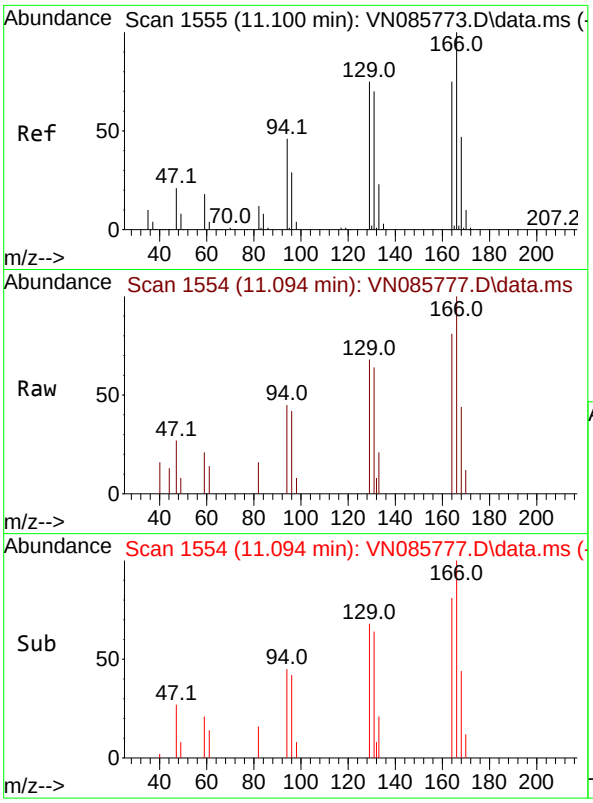


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:117 Resp: 394997

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	31.5	26.2	39.2

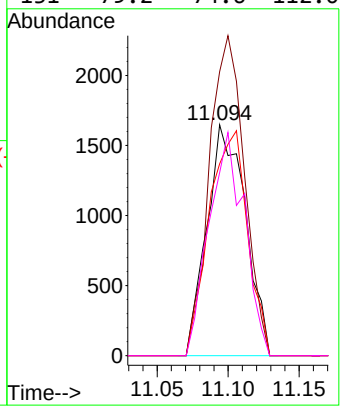




#64
Tetrachloroethene
Concen: 1.016 ug/l
RT: 11.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:164 Resp: 310

Ion	Ratio	Lower	Upper
164	100		
166	123.0	107.2	160.8
129	83.1	80.7	121.1
131	79.2	74.6	112.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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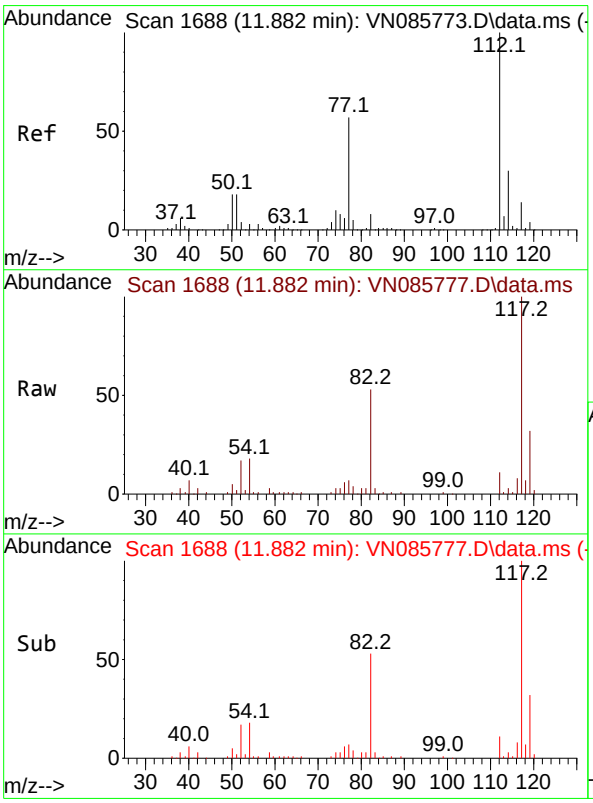
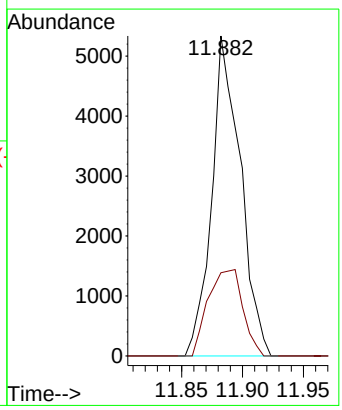
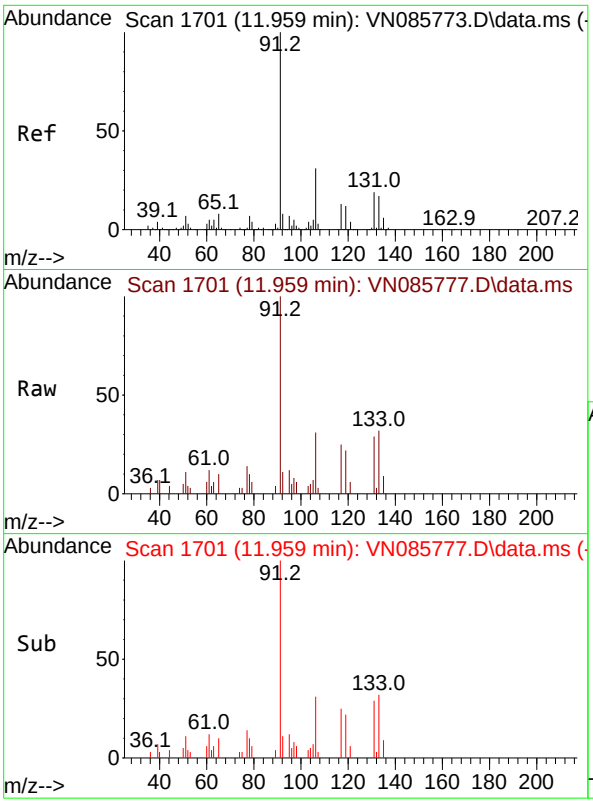


#65
Chlorobenzene
Concen: 0.968 ug/l
RT: 11.882 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:112 Resp: 8761

Ion	Ratio	Lower	Upper
112	100		
114	26.0	24.3	36.5





#66
1,1,1,2-Tetrachloroethane
Concen: 0.991 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:131 Resp: 322

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	0.0	33.3	99.8#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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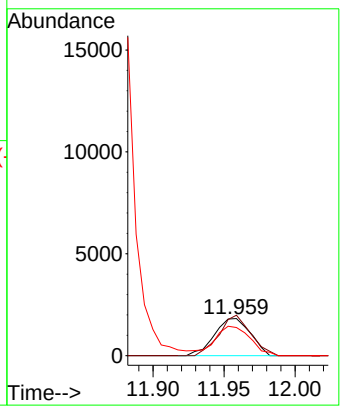
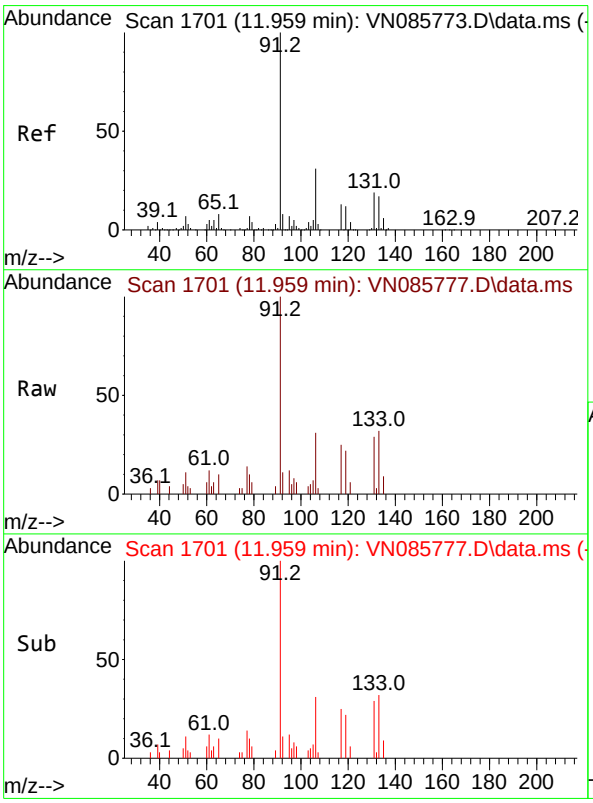
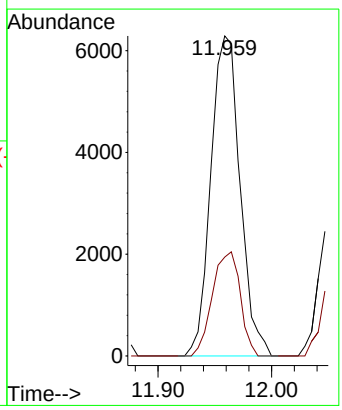


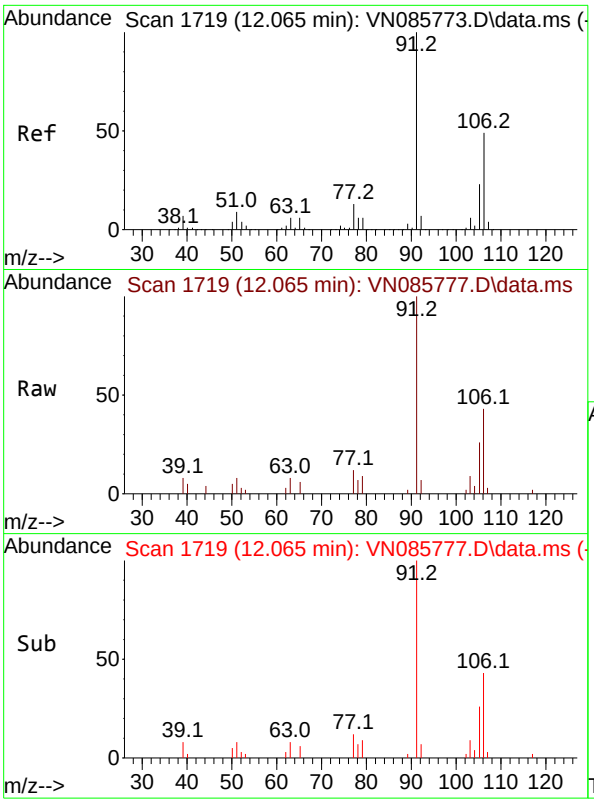


#67
Ethyl Benzene
Concen: 0.793 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 91 Resp: 11246

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1

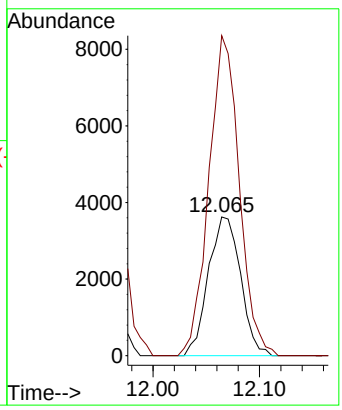




#68
m/p-Xylenes
Concen: 1.413 ug/l
RT: 12.065 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:106 Resp: 760

Ion	Ratio	Lower	Upper
106	100		
91	218.1	163.3	244.9



Instrument :
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ClientSampleId :
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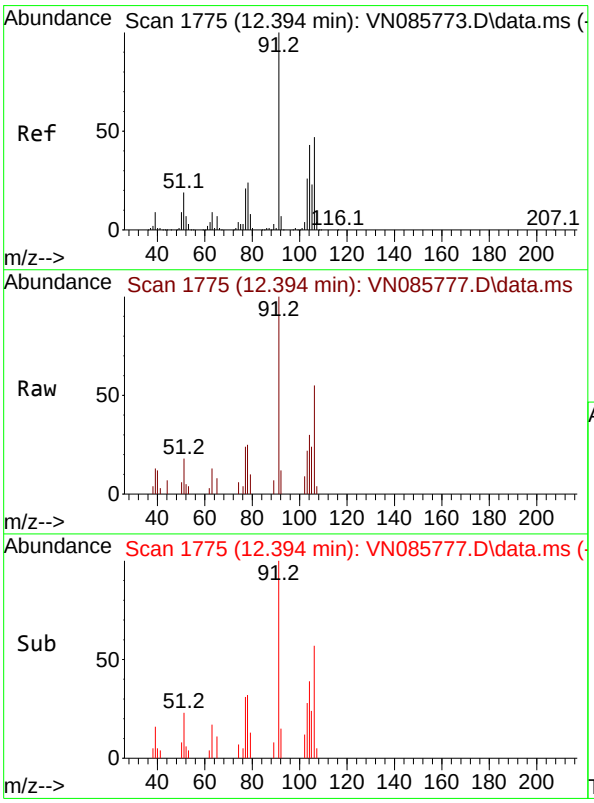
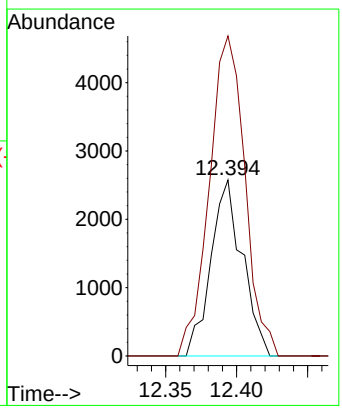
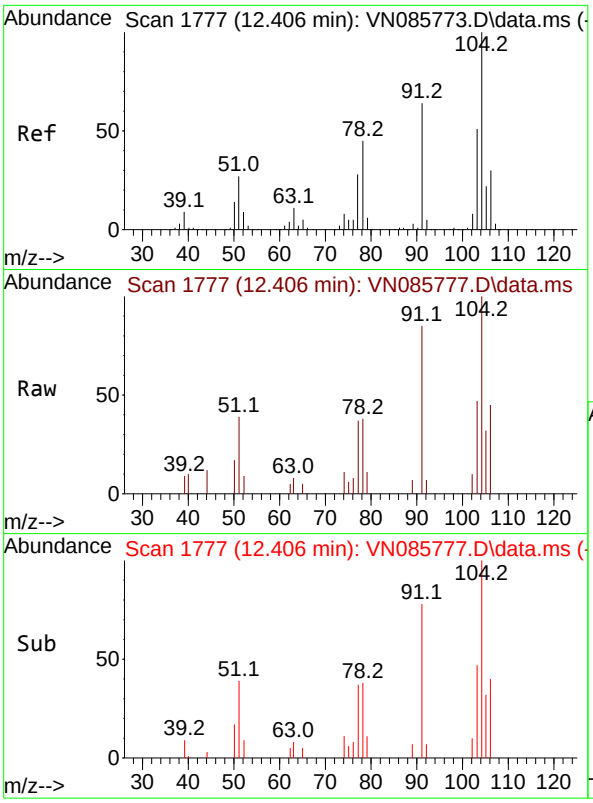


#69
o-Xylene
Concen: 0.775 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:106 Resp: 3965

Ion	Ratio	Lower	Upper
106	100		
91	206.1	107.1	321.4

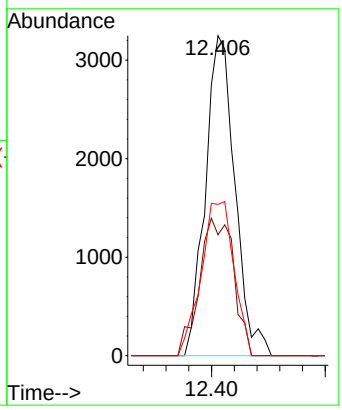




#70
Styrene
Concen: 1.257 ug/l
RT: 12.406 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:104 Resp: 587

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.0	58.6
103	53.4	43.3	64.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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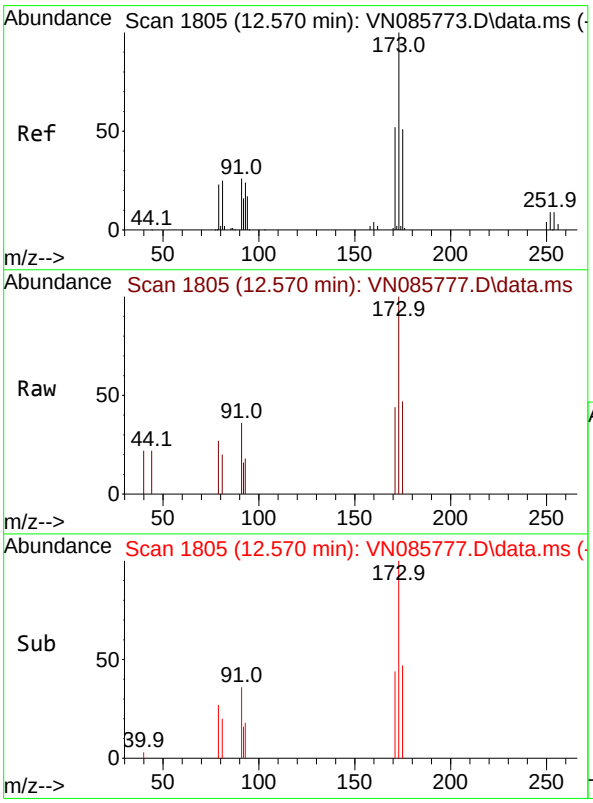
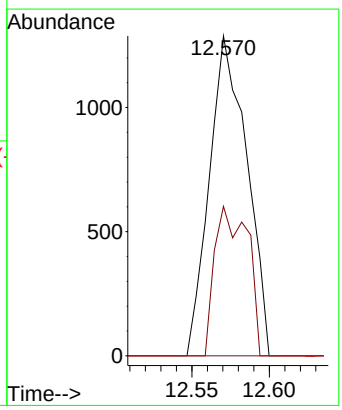
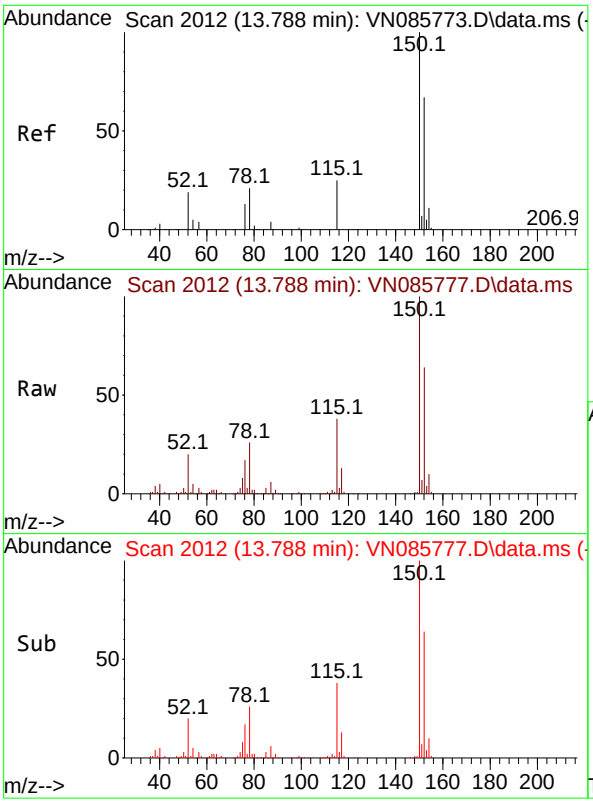


#71
Bromoform
Concen: 0.894 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:173 Resp: 2161

Ion	Ratio	Lower	Upper
173	100		
175	41.3	25.1	75.4
254	0.0	0.0	0.0

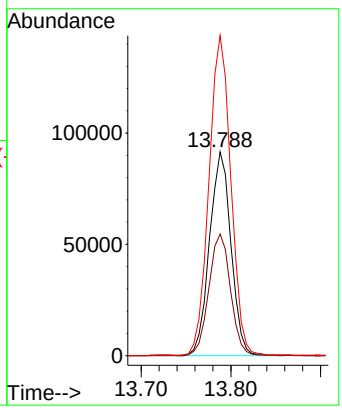




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:152 Resp: 15222

Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.4	91.3
150	160.8	0.0	345.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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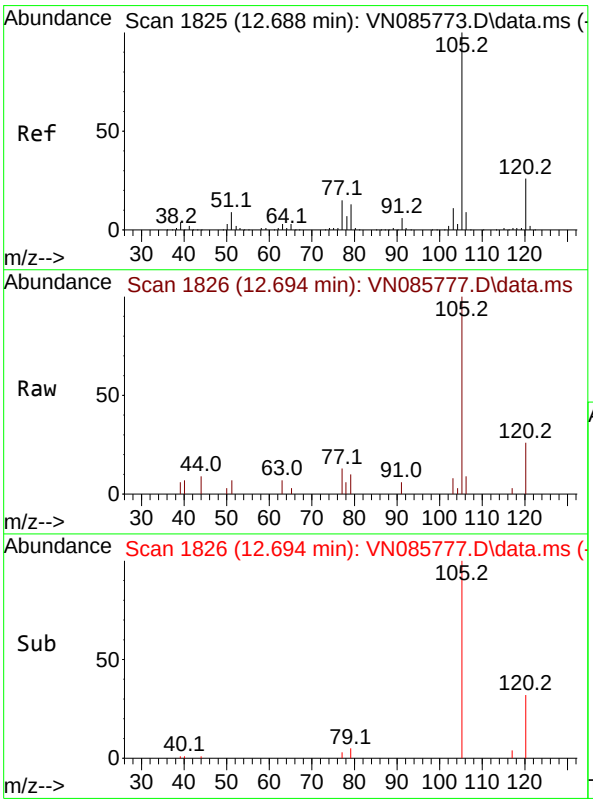
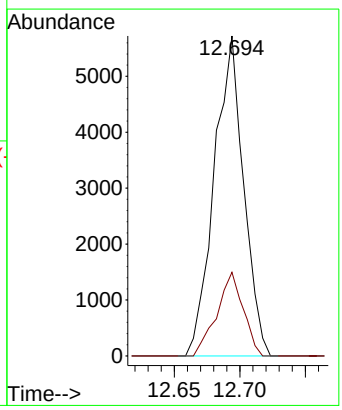
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

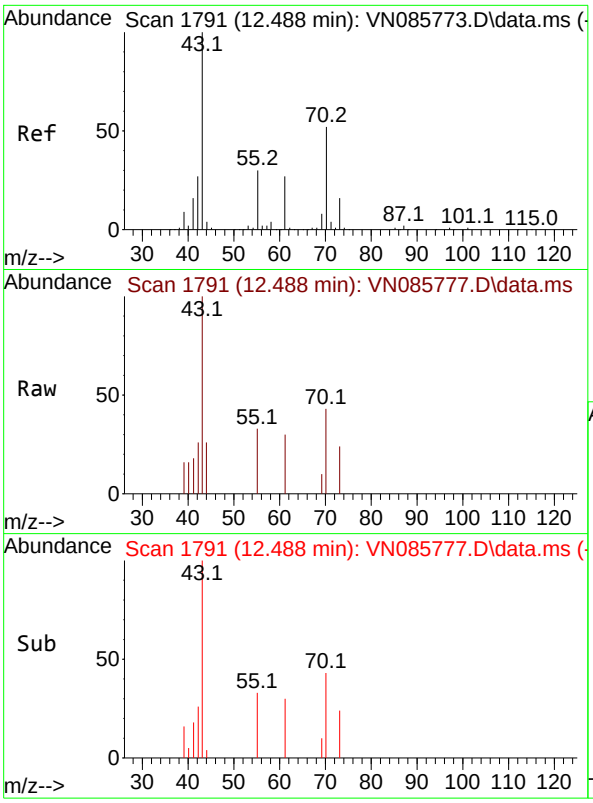


#73
Isopropylbenzene
Concen: 0.856 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:105 Resp: 8928

Ion	Ratio	Lower	Upper
105	100		
120	23.4	13.0	39.0

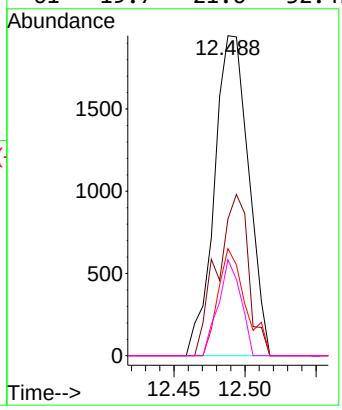




#74
N-amyl acetate
Concen: 0.887 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 326

Ion	Ratio	Lower	Upper
43	100		
70	46.2	41.0	61.4
55	26.7	24.6	36.8
61	19.7	21.6	32.4#



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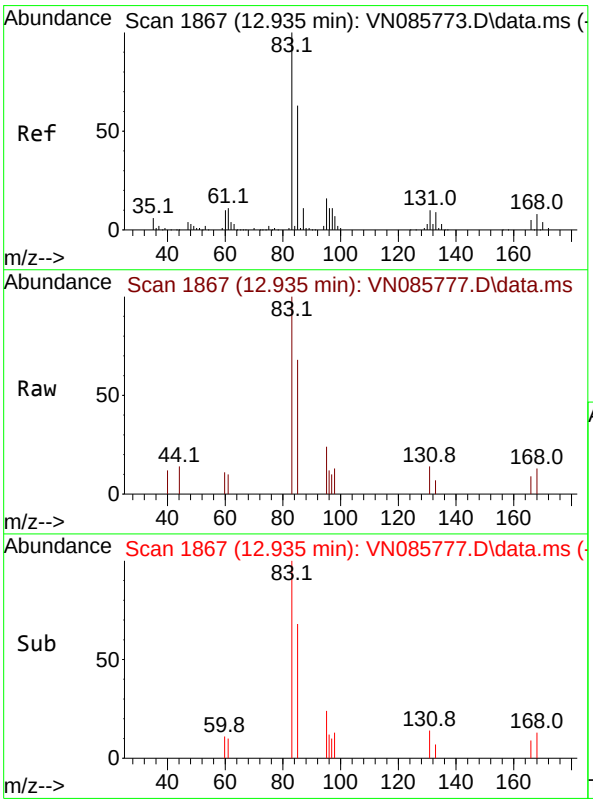
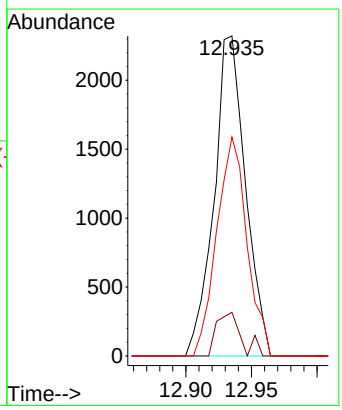
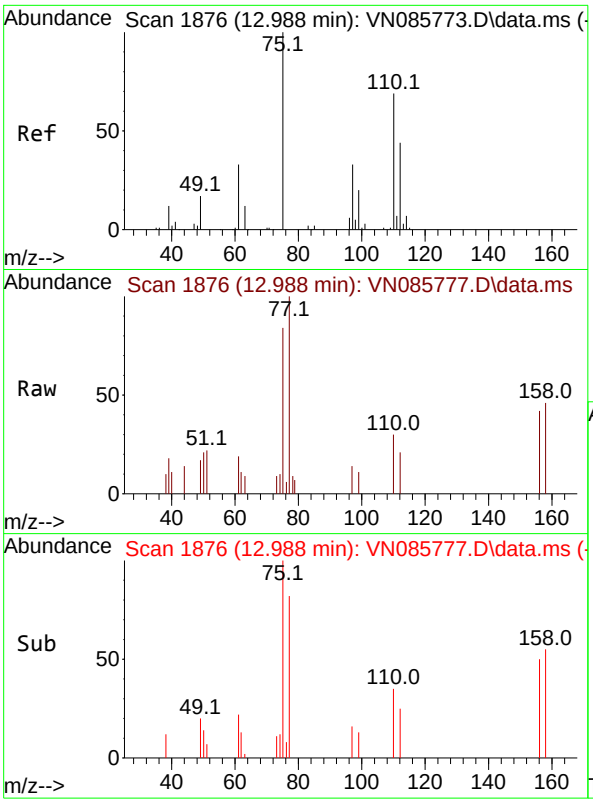


#75
1,1,2,2-Tetrachloroethane
Concen: 1.078 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 83 Resp: 3870

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.5	32.2	96.6

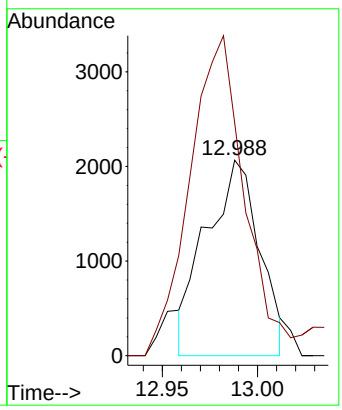




#76
1,2,3-Trichloropropane
Concen: 1.206 ug/l m
RT: 12.988 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 403

Ion	Ratio	Lower	Upper
75	100		
77	166.9	100.0	300.0



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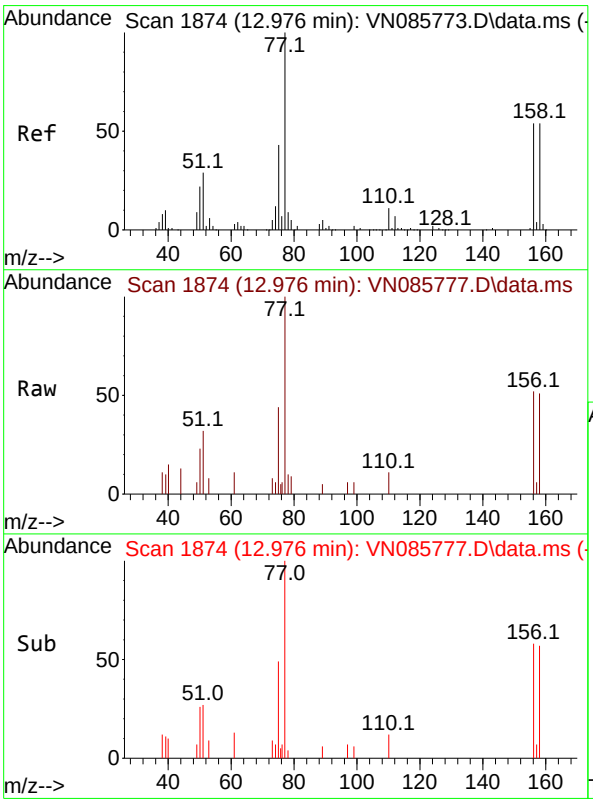
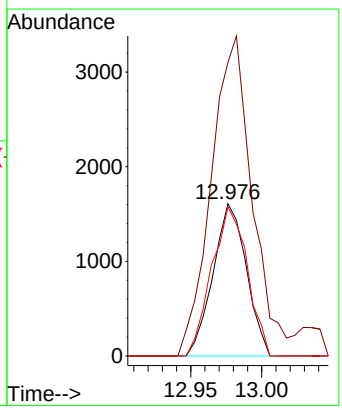
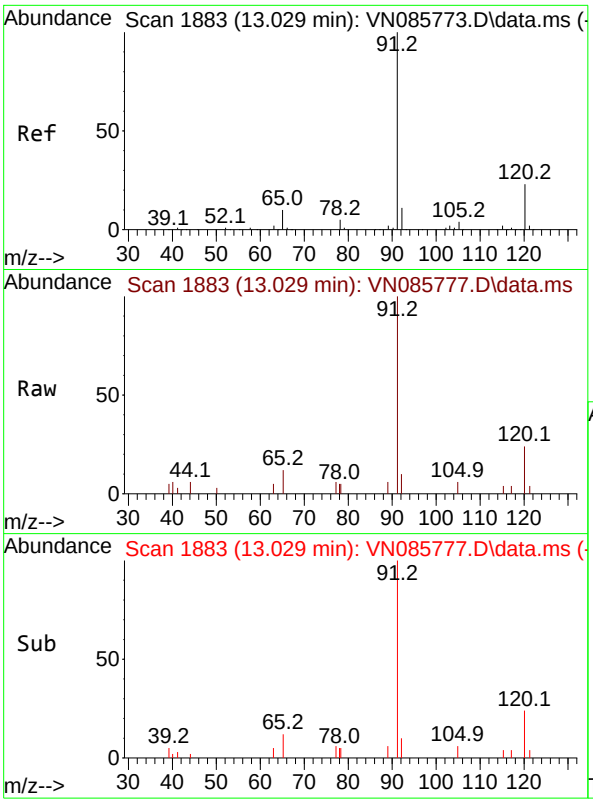


#77
Bromobenzene
Concen: 0.931 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:156 Resp: 2624

Ion	Ratio	Lower	Upper
156	100		
77	256.5	104.1	312.3
158	104.8	48.1	144.4

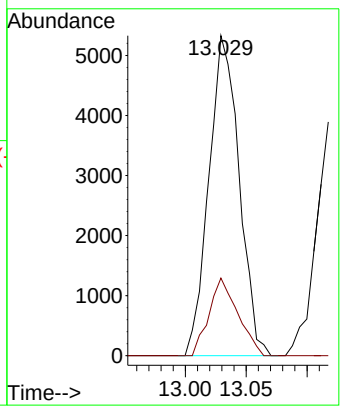




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 13.029 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 91 Resp: 922

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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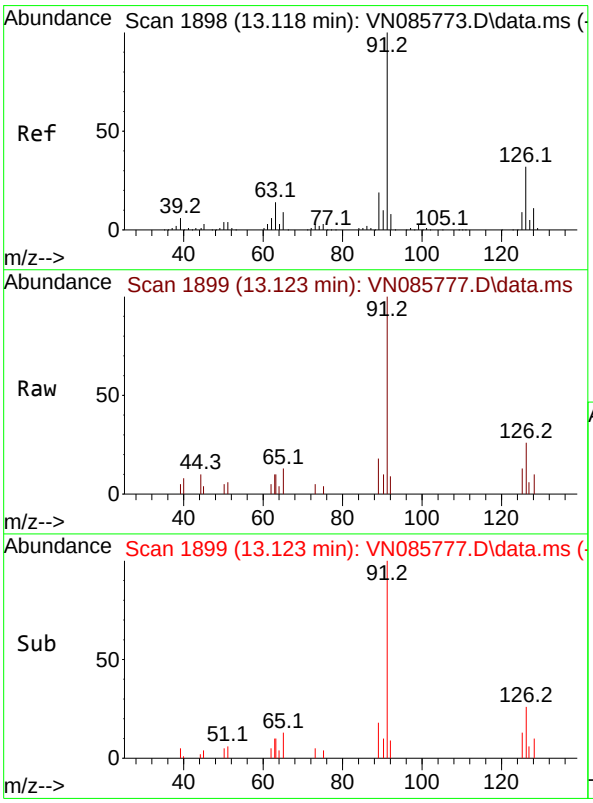
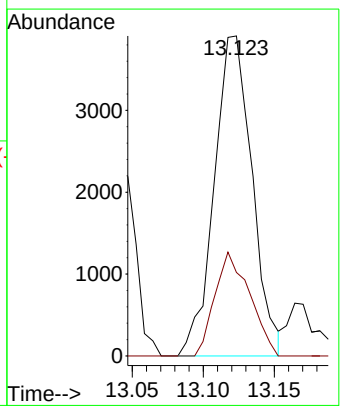
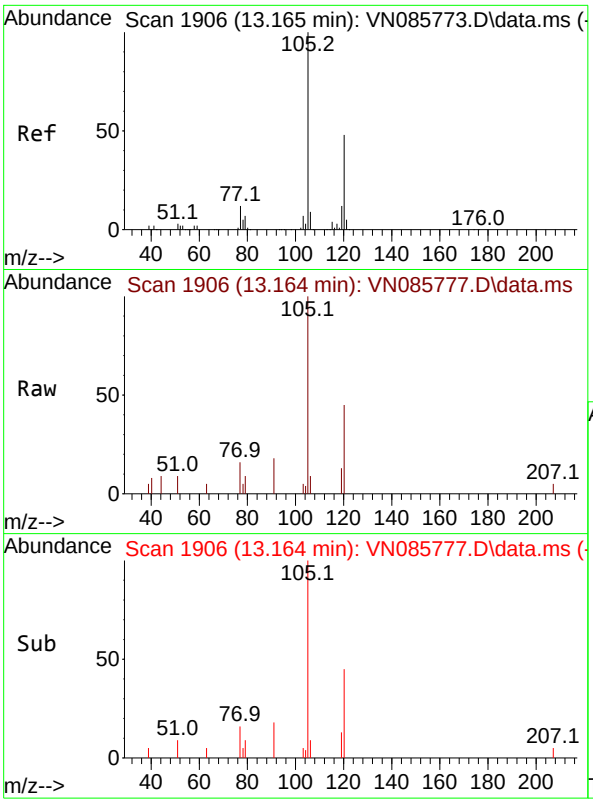


#79
2-Chlorotoluene
Concen: 0.910 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 91 Resp: 7260

Ion	Ratio	Lower	Upper
91	100		
126	29.8	16.4	49.1





#80
1,3,5-Trimethylbenzene
Concen: 0.728 ug/l
RT: 13.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:105 Resp: 618

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.3	72.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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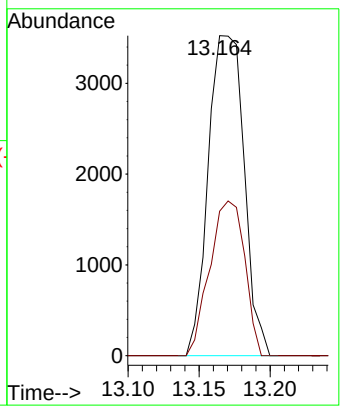
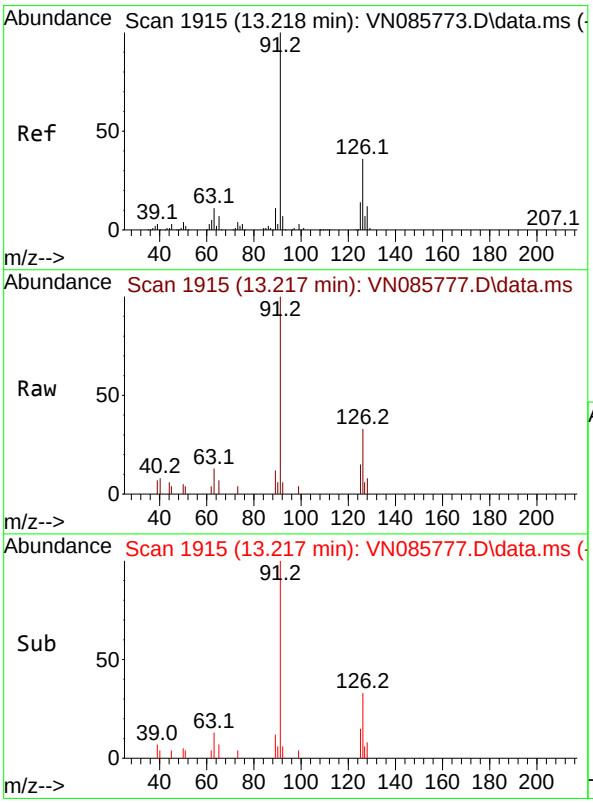
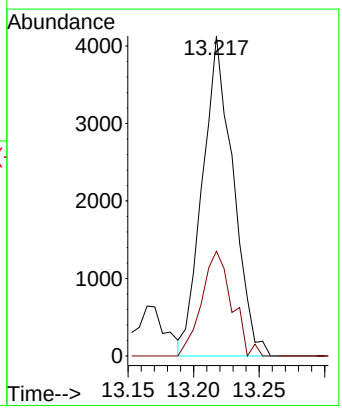


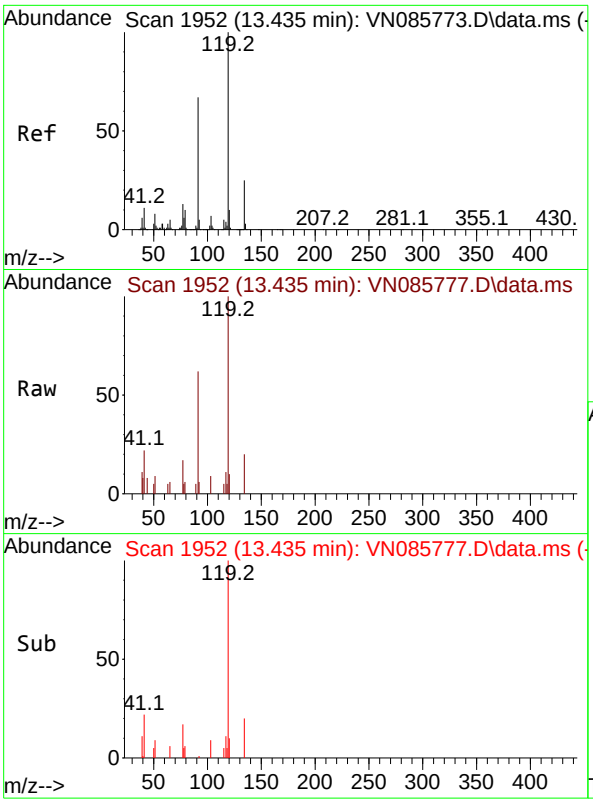


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 91 Resp: 6700

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4

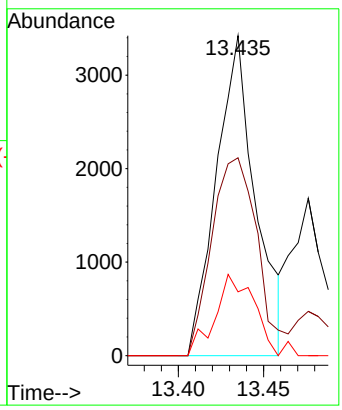




#83
tert-Butylbenzene
Concen: 0.768 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:119 Resp: 548

Ion	Ratio	Lower	Upper
119	100		
91	72.3	32.5	97.5
134	26.0	13.3	39.9



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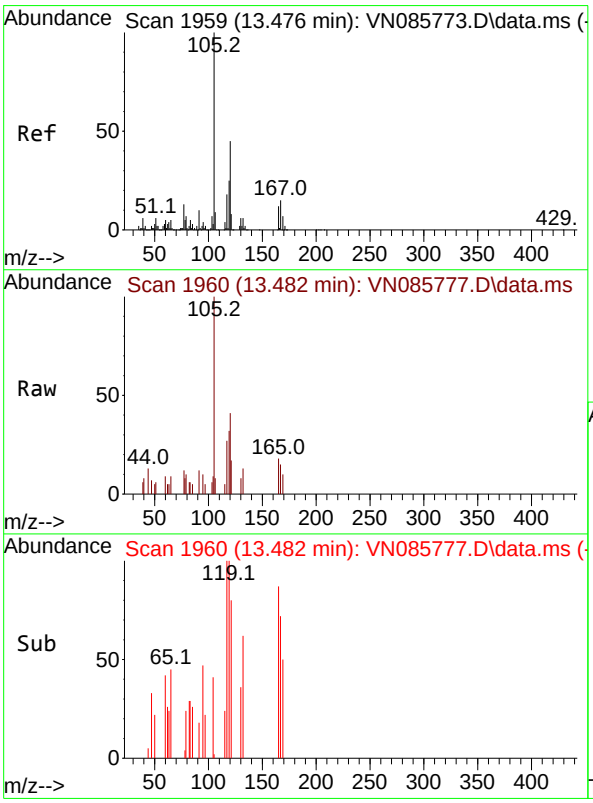
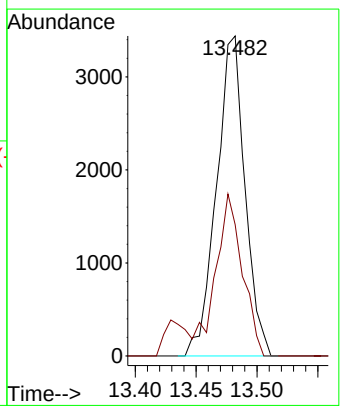
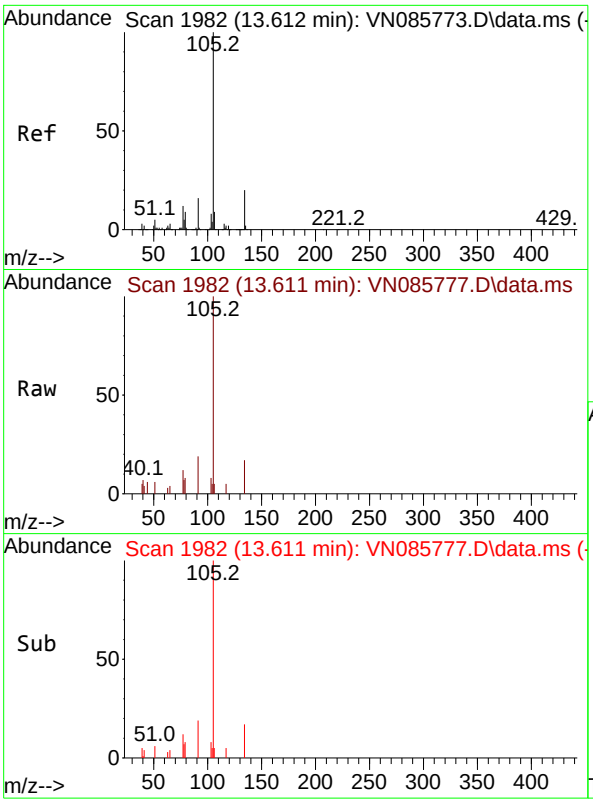


#84
1,2,4-Trimethylbenzene
Concen: 0.666 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:105 Resp: 5595

Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.4	67.3

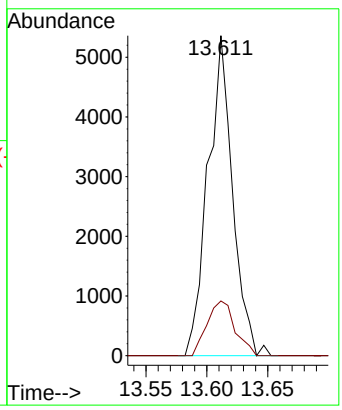




#85
sec-Butylbenzene
Concen: 0.750 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:105 Resp: 756

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



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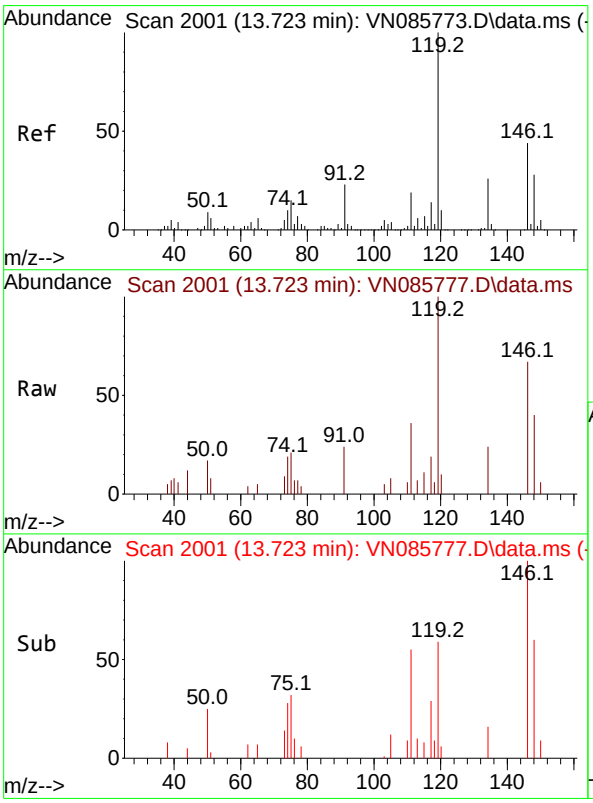
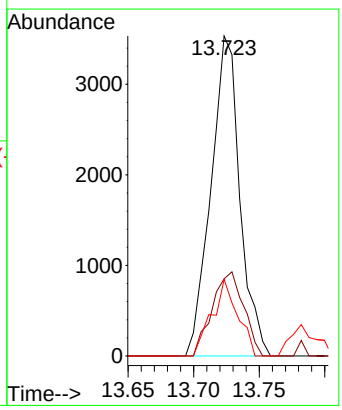
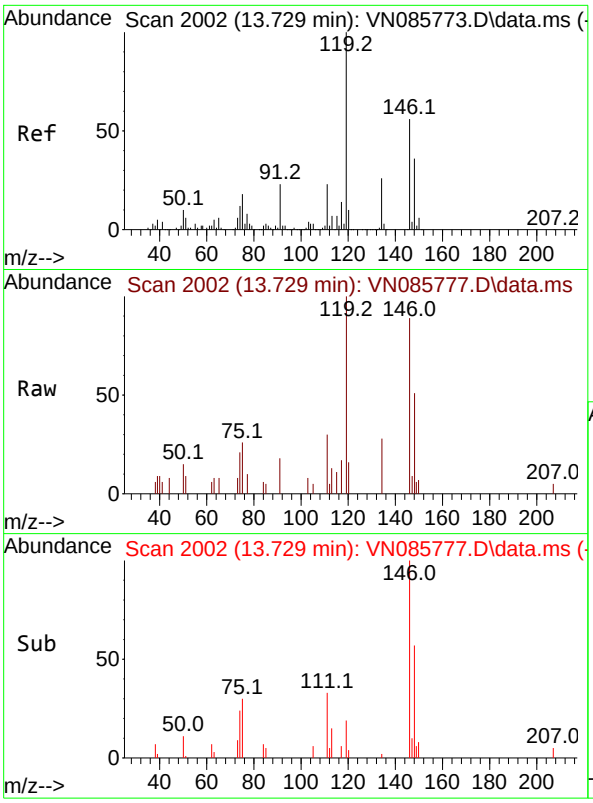


#86
p-Isopropyltoluene
Concen: 1.252 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:119 Resp: 5416

Ion	Ratio	Lower	Upper
119	100		
134	28.5	13.0	39.0
91	21.2	11.7	35.1

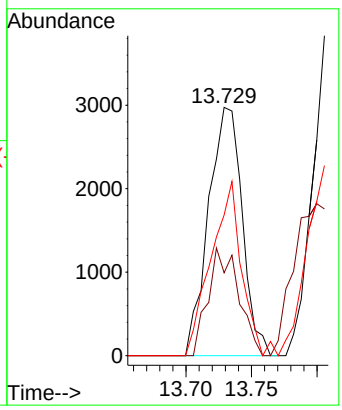




#87
1,3-Dichlorobenzene
Concen: 1.008 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:146 Resp: 532

Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.3
148	63.9	32.1	96.5



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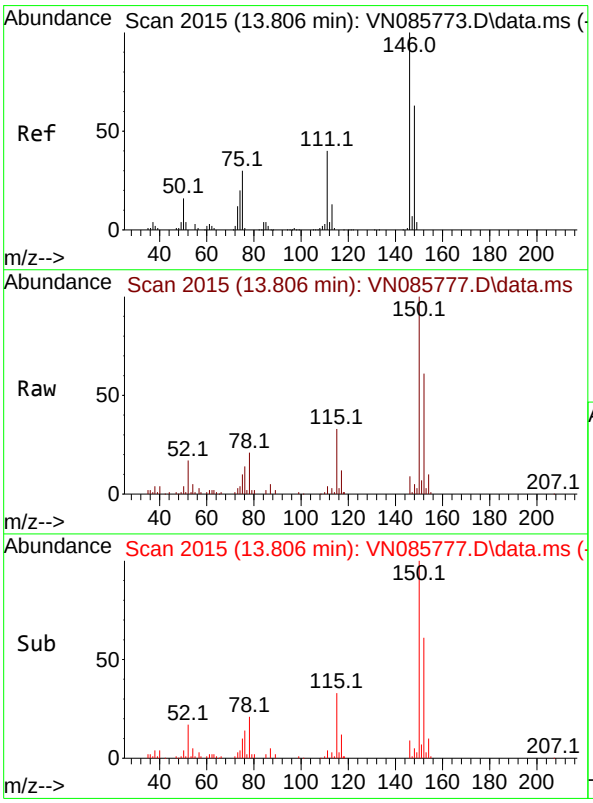
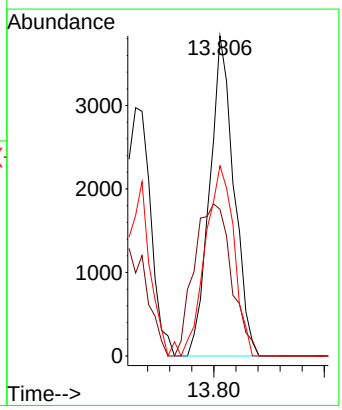
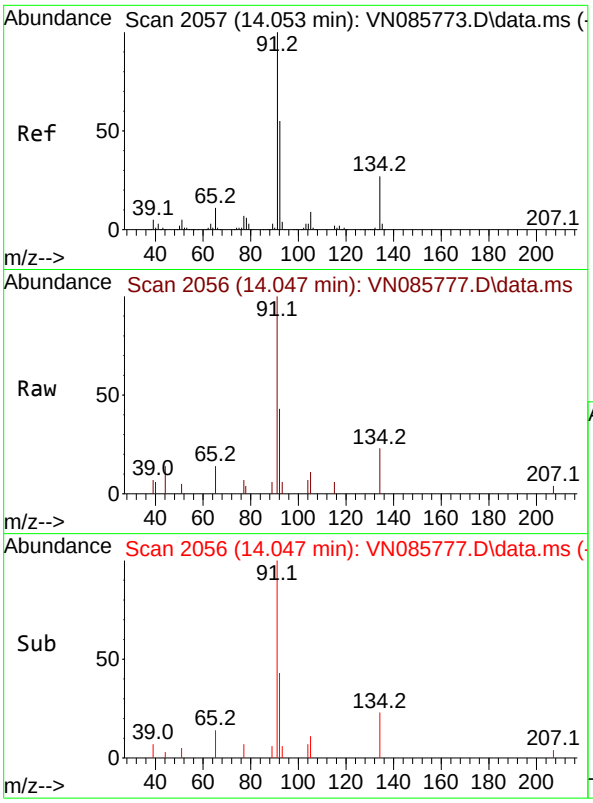


#88
1,4-Dichlorobenzene
Concen: 1.081 ug/l m
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:146 Resp: 5848

Ion	Ratio	Lower	Upper
146	100		
111	35.7	20.4	61.3
148	58.1	31.8	95.4

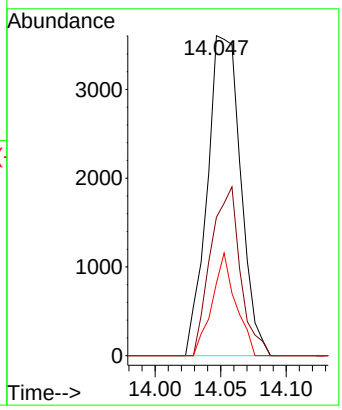




#89
n-Butylbenzene
Concen: 0.893 ug/l
RT: 14.047 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 91 Resp: 639

Ion	Ratio	Lower	Upper
91	100		
92	46.6	27.1	81.3
134	22.6	12.7	38.1



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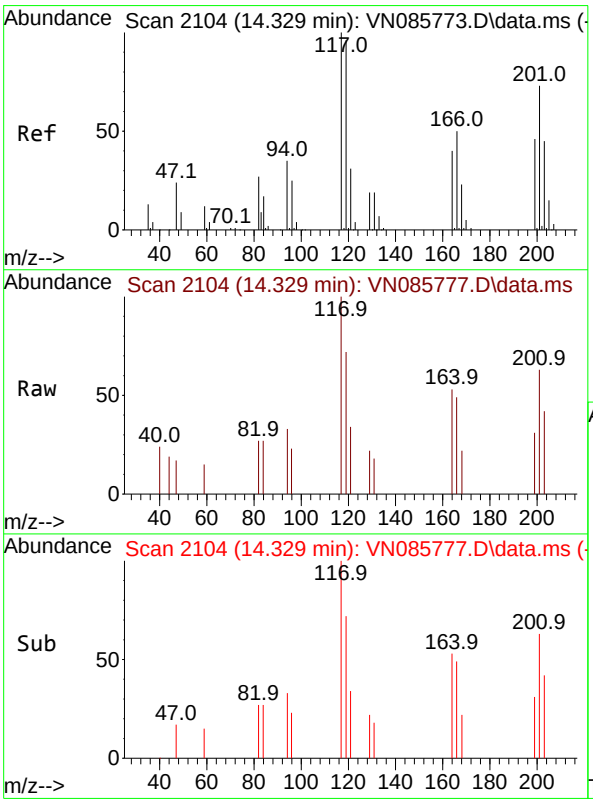
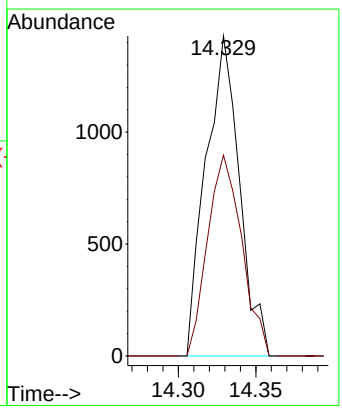
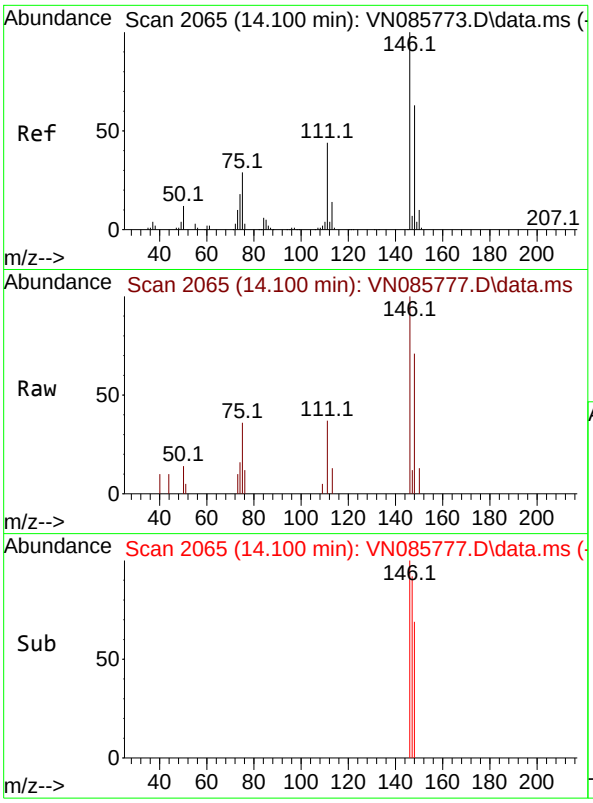


#90
Hexachloroethane
Concen: 1.126 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:117 Resp: 2153

Ion	Ratio	Lower	Upper
117	100		
201	63.9	35.6	106.9

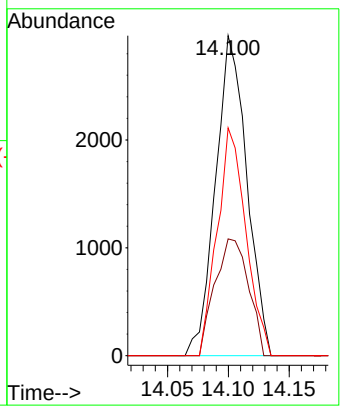




#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:146 Resp: 530

Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.4	64.3
148	65.3	32.0	96.2



Instrument :
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ClientSampleId :
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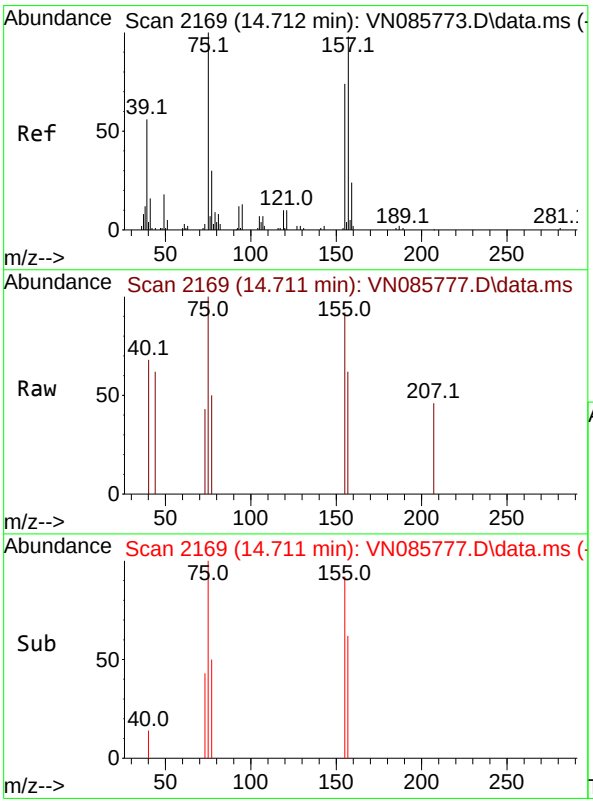
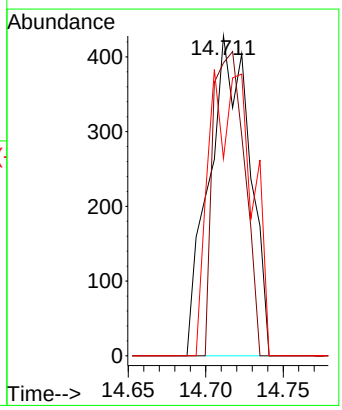
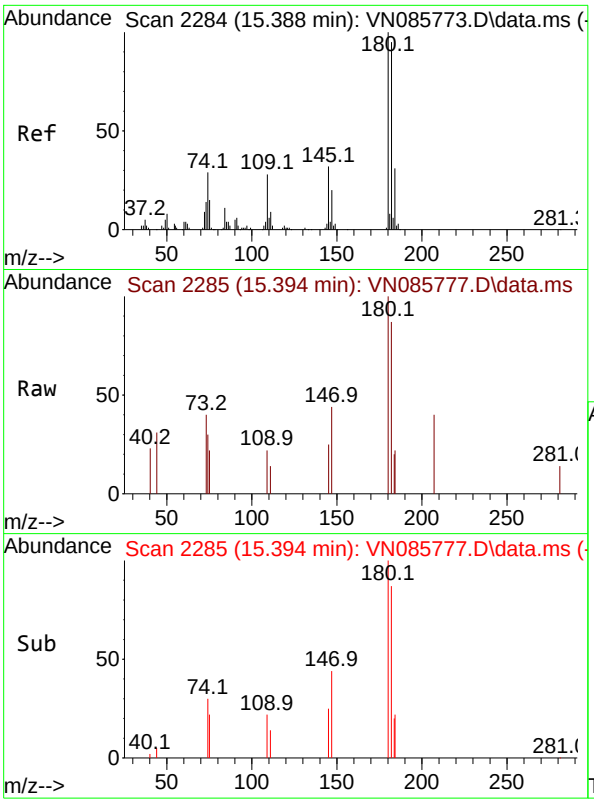


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.184 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 780

Ion	Ratio	Lower	Upper
75	100		
155	73.8	39.9	119.6
157	92.8	49.9	149.7

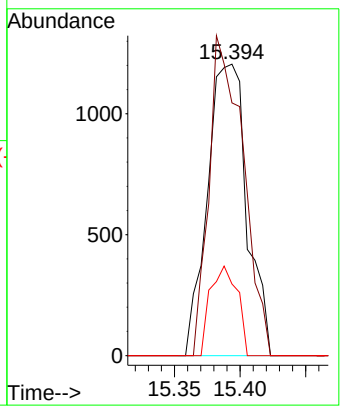




#93
1,2,4-Trichlorobenzene
Concen: 1.044 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:180 Resp: 252

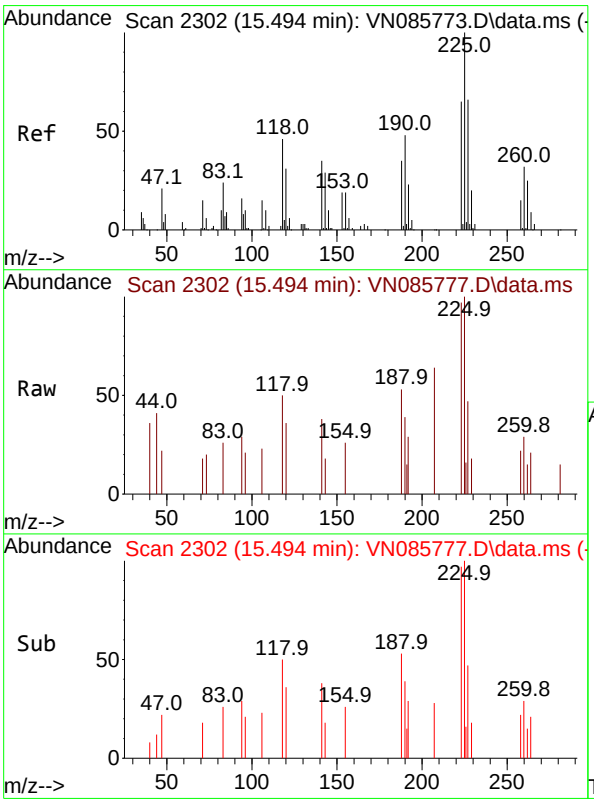
Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	21.0	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

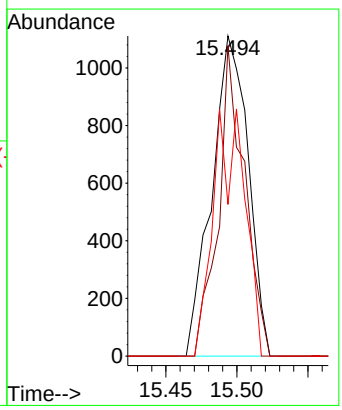
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

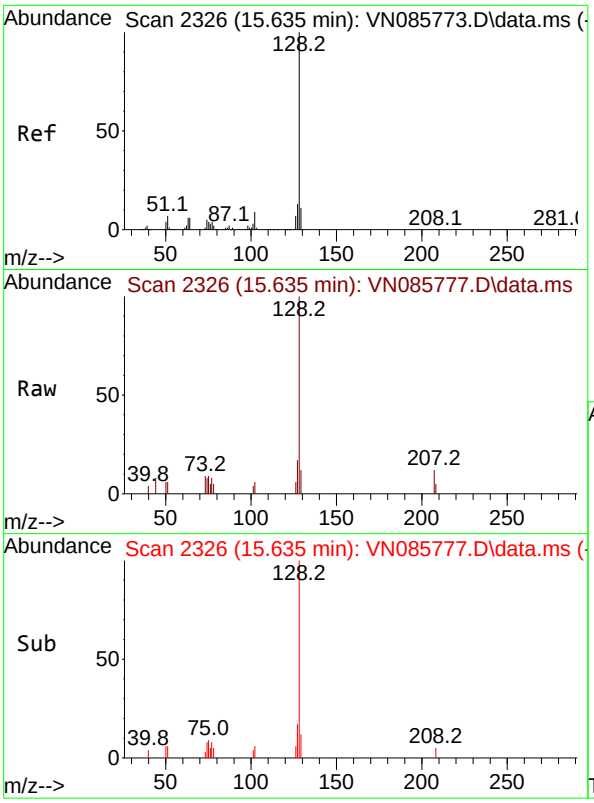


#94
Hexachlorobutadiene
Concen: 1.344 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:225 Resp: 1976

Ion	Ratio	Lower	Upper
225	100		
223	70.2	31.9	95.5
227	66.8	32.2	96.6

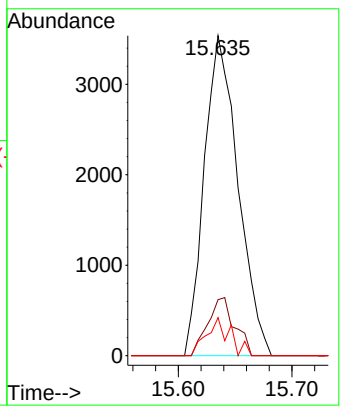




#95
Naphthalene
Concen: 1.099 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:128 Resp: 729

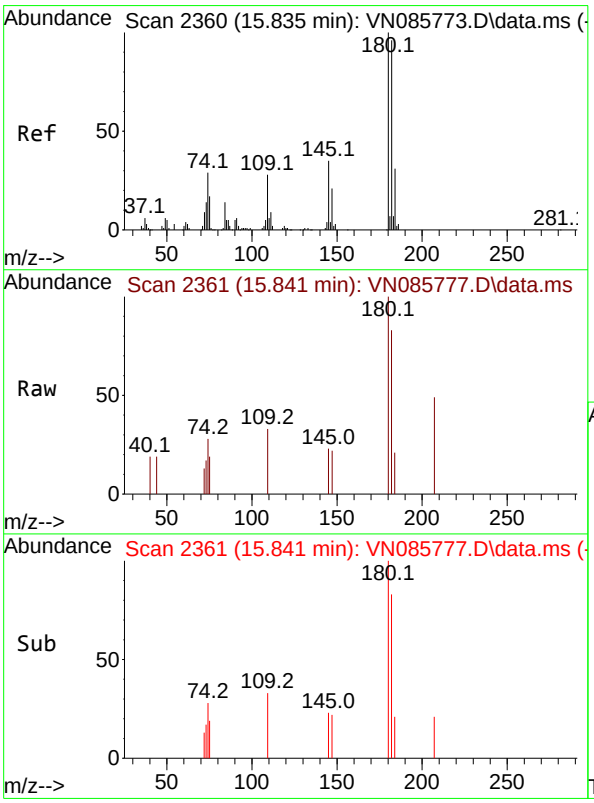
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.2
129	8.3	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

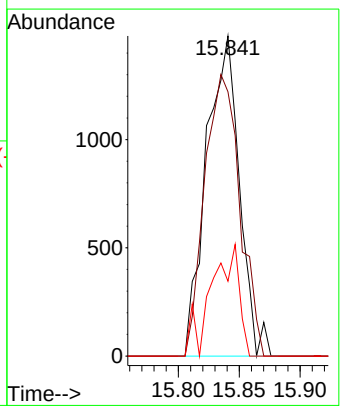
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 1.149 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:180 Resp: 2791

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.8
145	29.6	16.9	50.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	309026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	515996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	448882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	71117	17.751	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	35.500%#		
35) Dibromofluoromethane	8.159	113	60447	17.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	35.800%#		
50) Toluene-d8	10.559	98	222839	18.140	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	36.280%#		
62) 4-Bromofluorobenzene	12.847	95	71343	17.627	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	35.260%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	77669	18.478	ug/l	96
3) Chloromethane	2.360	50	74700	17.710	ug/l	98
4) Vinyl Chloride	2.512	62	83284	18.649	ug/l	96
5) Bromomethane	2.954	94	51068	17.884	ug/l	97
6) Chloroethane	3.118	64	54178	18.315	ug/l	98
7) Trichlorofluoromethane	3.501	101	124306	19.225	ug/l	100
8) Diethyl Ether	3.959	74	40213	19.221	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	74051	19.813	ug/l	98
10) Methyl Iodide	4.589	142	87963	19.093	ug/l	96
11) Tert butyl alcohol	5.512	59	45305	91.941	ug/l	99
12) 1,1-Dichloroethene	4.336	96	65660	19.375	ug/l	95
13) Acrolein	4.177	56	65092	89.078	ug/l	99
14) Allyl chloride	5.024	41	84778	19.054	ug/l	98
15) Acrylonitrile	5.712	53	158250	98.787	ug/l	99
16) Acetone	4.418	43	122455	96.596	ug/l	97
17) Carbon Disulfide	4.706	76	179885	17.910	ug/l	100
18) Methyl Acetate	5.012	43	77229	17.712	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	205047	20.362	ug/l	97
20) Methylene Chloride	5.271	84	77308	18.963	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	69924	19.162	ug/l	91
22) Diisopropyl ether	6.665	45	212086	21.095	ug/l	99
23) Vinyl Acetate	6.600	43	695943	101.409	ug/l	99
24) 1,1-Dichloroethane	6.565	63	134620	19.697	ug/l	98
25) 2-Butanone	7.477	43	184659	99.012	ug/l	98
26) 2,2-Dichloropropane	7.489	77	120039	19.752	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	82886	19.590	ug/l	99
28) Bromochloromethane	7.806	49	49657	17.678	ug/l	95
29) Tetrahydrofuran	7.836	42	125831	104.482	ug/l	100
30) Chloroform	7.959	83	141059	19.750	ug/l	98
31) Cyclohexane	8.253	56	106009	18.525	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	125061	19.686	ug/l	98
36) 1,1-Dichloropropene	8.365	75	94481	19.772	ug/l	99
37) Ethyl Acetate	7.553	43	81716	20.780	ug/l	99
38) Carbon Tetrachloride	8.359	117	111137	19.574	ug/l	96
39) Methylcyclohexane	9.600	83	93454	19.907	ug/l	99
40) Benzene	8.600	78	304209	19.863	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	43566	20.724	ug/l		98
42) 1,2-Dichloroethane	8.665	62	99651	19.975	ug/l		99
43) Isopropyl Acetate	8.683	43	138304	19.709	ug/l		99
44) Trichloroethene	9.347	130	71769	19.085	ug/l		97
45) 1,2-Dichloropropane	9.618	63	73743	19.947	ug/l		98
46) Dibromomethane	9.706	93	52878	20.278	ug/l		97
47) Bromodichloromethane	9.883	83	111634	20.010	ug/l		97
48) Methyl methacrylate	9.677	41	60690	20.781	ug/l		99
49) 1,4-Dioxane	9.688	88	21778	392.137	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.441	43	400235	105.563	ug/l		99
52) Toluene	10.624	92	184001	20.495	ug/l		98
53) t-1,3-Dichloropropene	10.830	75	104301	20.218	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	115451	20.409	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	71034	19.900	ug/l		97
56) Ethyl methacrylate	10.871	69	94315	20.003	ug/l		97
57) 1,3-Dichloropropane	11.159	76	119649	20.080	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	256540	146.107	ug/l		99
59) 2-Hexanone	11.188	43	278550	106.794	ug/l		99
60) Dibromochloromethane	11.353	129	83651	20.125	ug/l		100
61) 1,2-Dibromoethane	11.465	107	68205	20.223	ug/l		99
64) Tetrachloroethene	11.100	164	67288	19.350	ug/l		94
65) Chlorobenzene	11.888	112	200885	19.535	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	72064	19.497	ug/l		99
67) Ethyl Benzene	11.959	91	330056	20.490	ug/l		97
68) m/p-Xylenes	12.065	106	259251	42.371	ug/l		100
69) o-Xylene	12.394	106	118291	20.345	ug/l		96
70) Styrene	12.406	104	203369	20.270	ug/l		100
71) Bromoform	12.576	173	55518	20.214	ug/l	#	96
73) Isopropylbenzene	12.688	105	299398	20.339	ug/l		100
74) N-amyl acetate	12.488	43	106973	20.608	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	99174	19.579	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	96439m	20.431	ug/l		
77) Bromobenzene	12.976	156	78068	19.630	ug/l		98
78) n-propylbenzene	13.029	91	351518	20.852	ug/l		100
79) 2-Chlorotoluene	13.124	91	230434	20.458	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	258212	21.534	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	31517	19.267	ug/l		92
82) 4-Chlorotoluene	13.218	91	227177	20.345	ug/l		100
83) tert-Butylbenzene	13.435	119	208096	20.637	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	259373	21.863	ug/l		99
85) sec-Butylbenzene	13.612	105	293653	20.612	ug/l		99
86) p-Isopropyltoluene	13.723	119	240984	19.772	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	143937	19.318	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	144744	18.954	ug/l		99
89) n-Butylbenzene	14.053	91	195221	19.300	ug/l		97
90) Hexachloroethane	14.329	117	50599	18.753	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	138931	19.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	16407	17.639	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	60520	17.726	ug/l		98
94) Hexachlorobutadiene	15.500	225	34783	16.763	ug/l		97
95) Naphthalene	15.635	128	156537	16.700	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	57998	16.921	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
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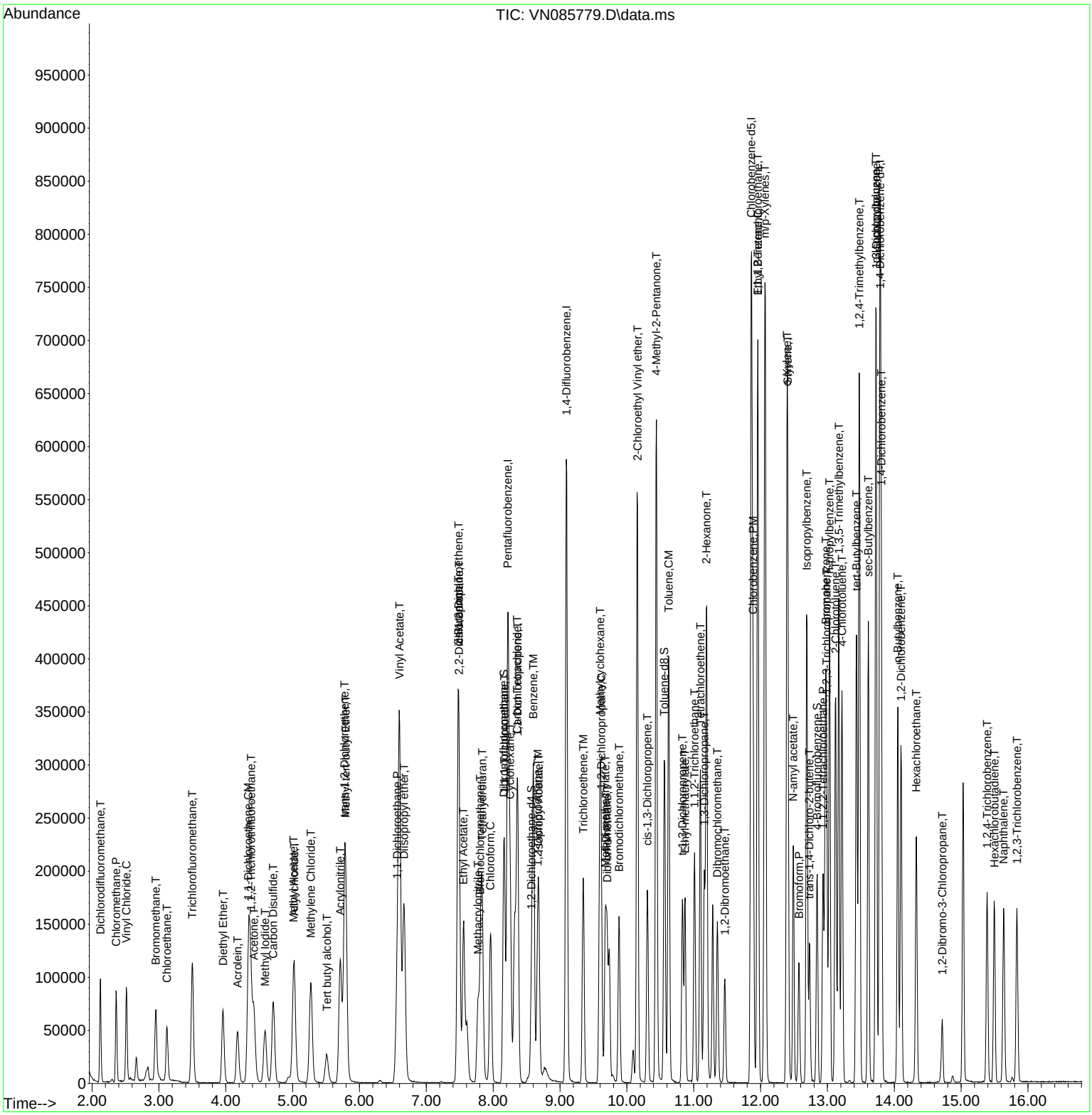
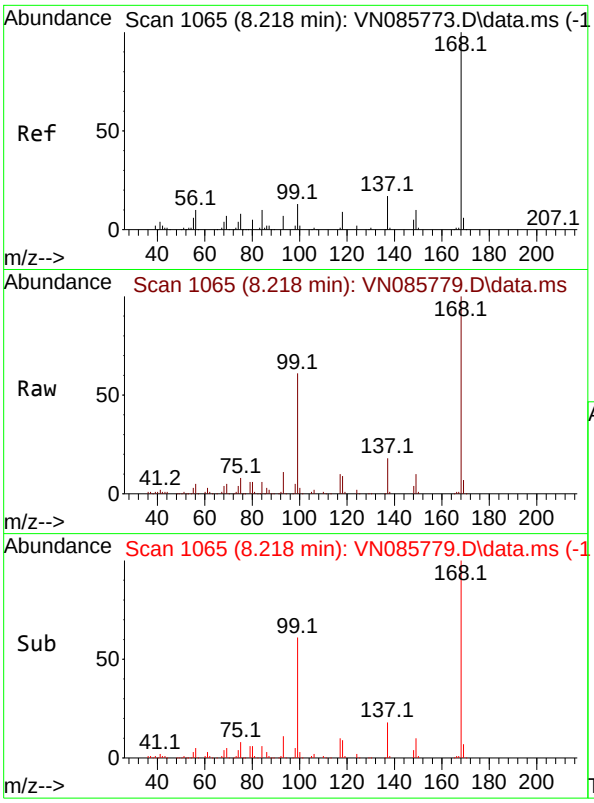
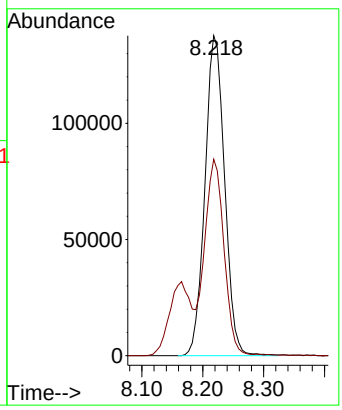




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:168 Resp: 30902

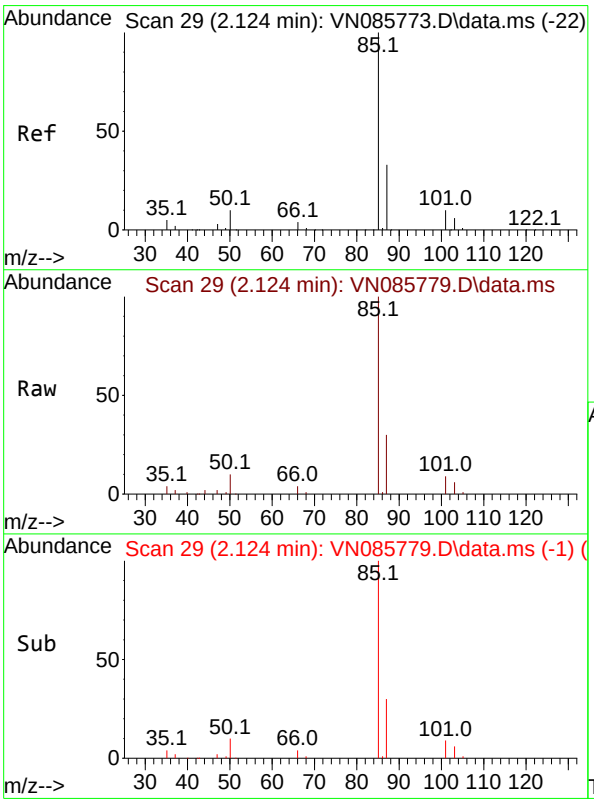
Ion	Ratio	Lower	Upper
168	100		
99	61.3	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

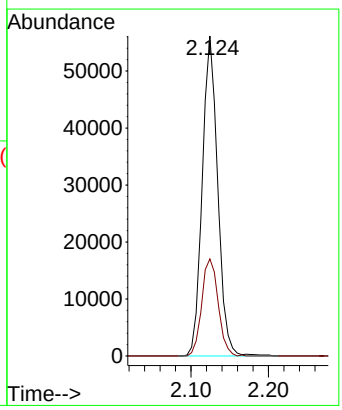
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

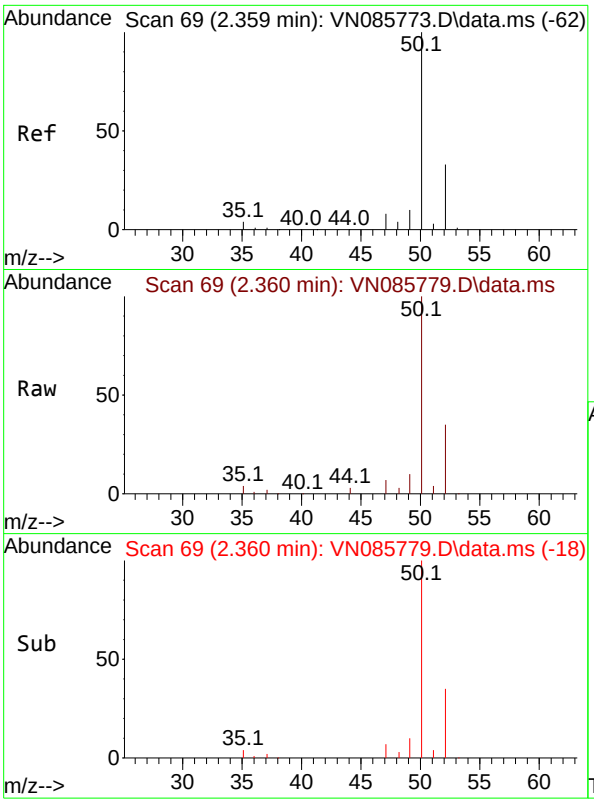


#2
Dichlorodifluoromethane
Concen: 18.478 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 85 Resp: 77669

Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.4	49.2

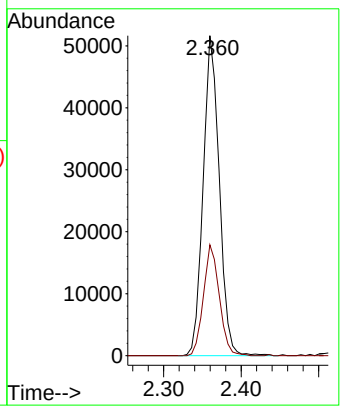




#3
Chloromethane
Concen: 17.710 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 50 Resp: 7470

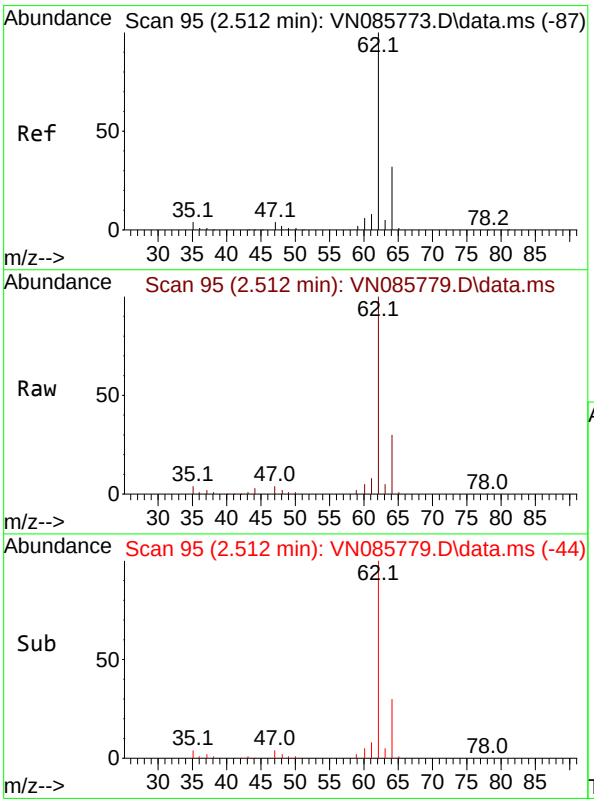
Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.7	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

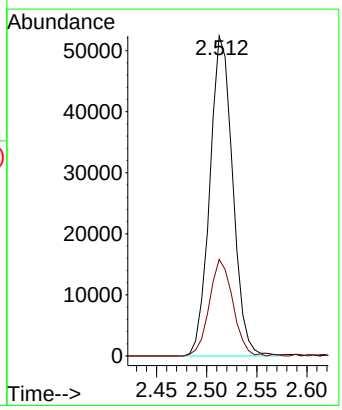
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

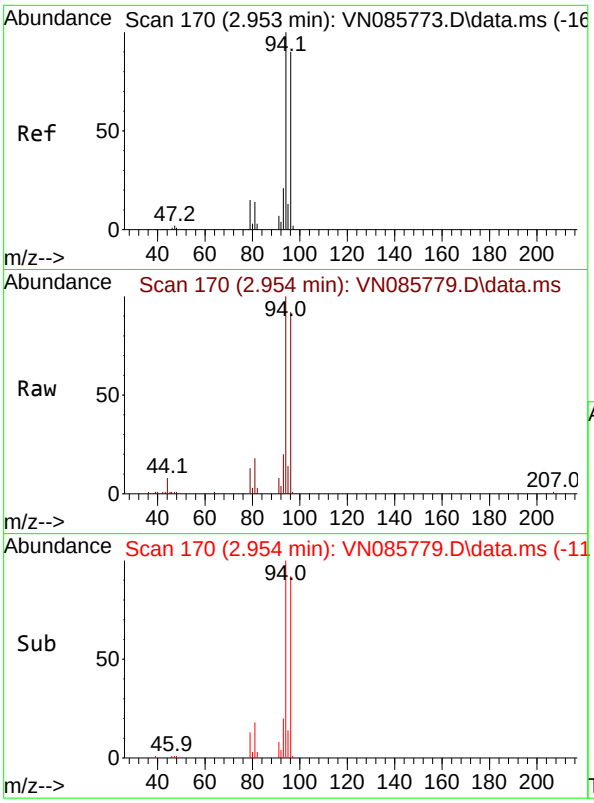


#4
Vinyl Chloride
Concen: 18.649 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 62 Resp: 83284

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.9	38.9

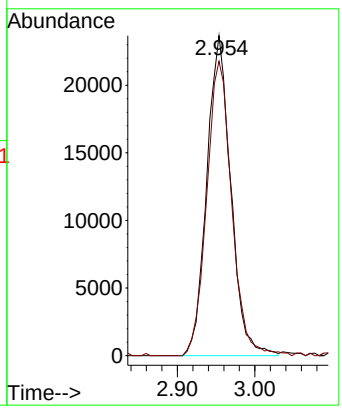




#5
Bromomethane
Concen: 17.884 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 94 Resp: 5106

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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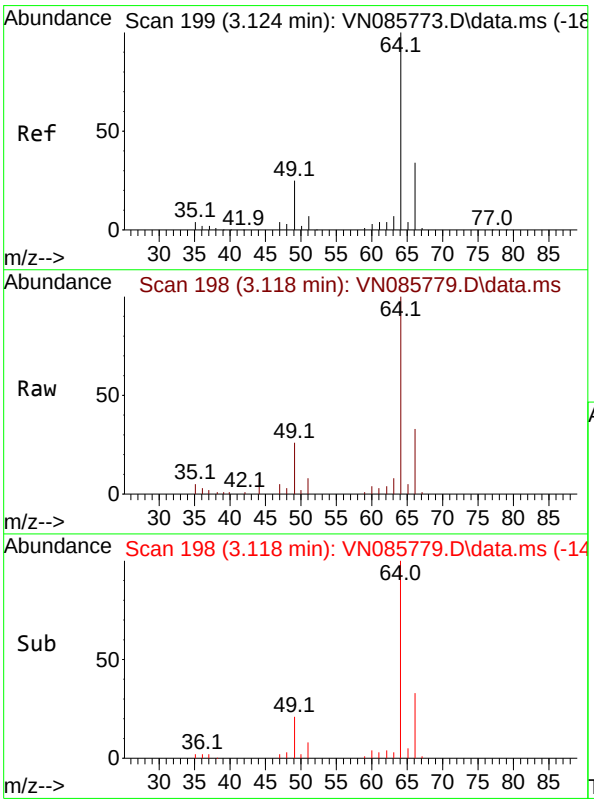
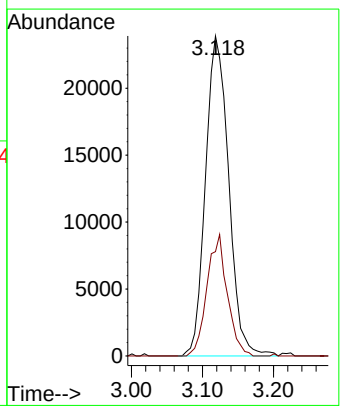
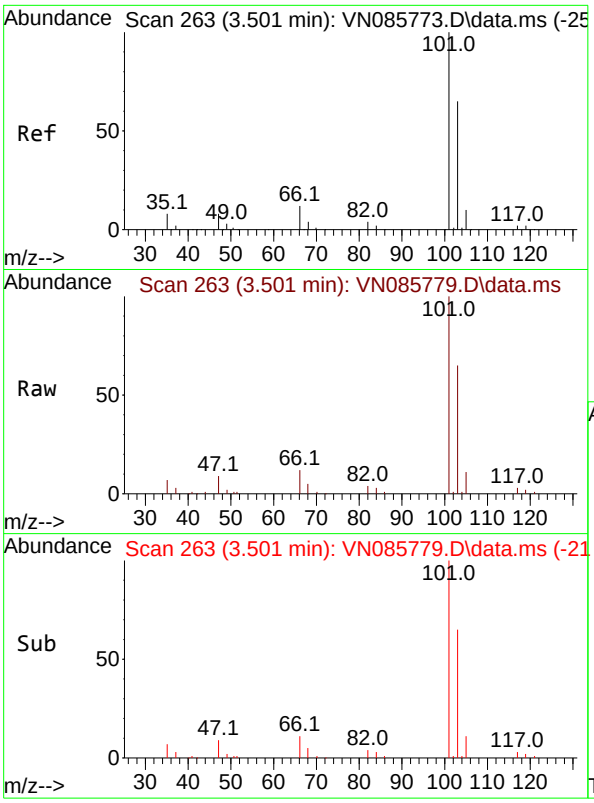


#6
Chloroethane
Concen: 18.315 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 64 Resp: 54178

Ion	Ratio	Lower	Upper
64	100		
66	32.6	27.0	40.6

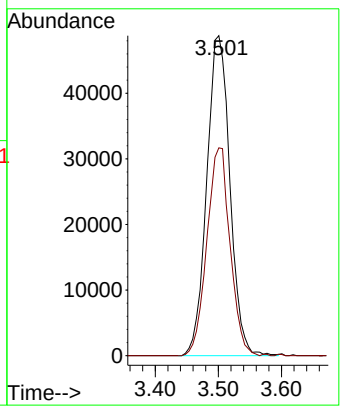




#7
Trichlorofluoromethane
Concen: 19.225 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:101 Resp: 12430

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.4



Instrument :
MSVOA_N
ClientSampleId :
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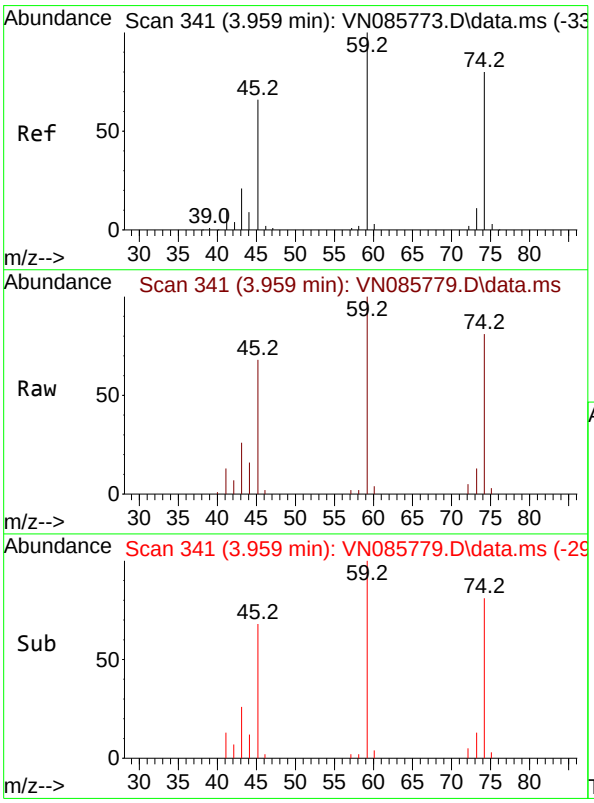
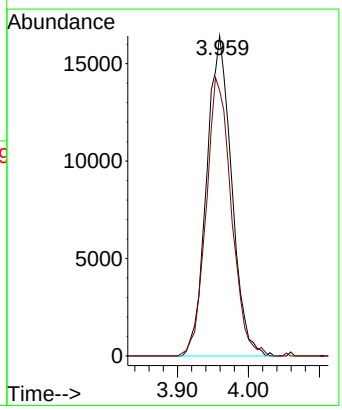
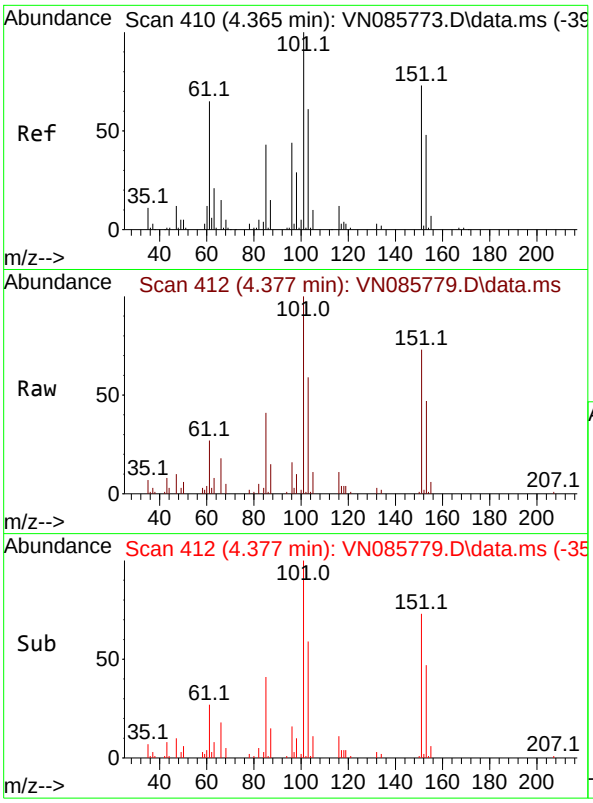


#8
Diethyl Ether
Concen: 19.221 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 74 Resp: 40213

Ion	Ratio	Lower	Upper
74	100		
45	87.5	42.5	127.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.813 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:101 Resp: 7405

Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.7	53.5
151	75.8	61.4	92.2

Instrument :
MSVOA_N
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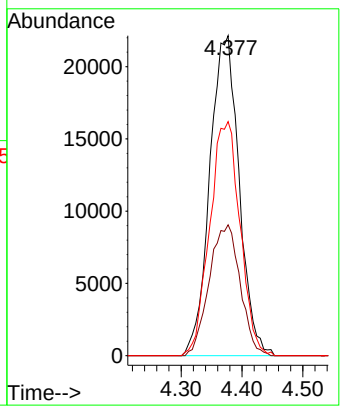
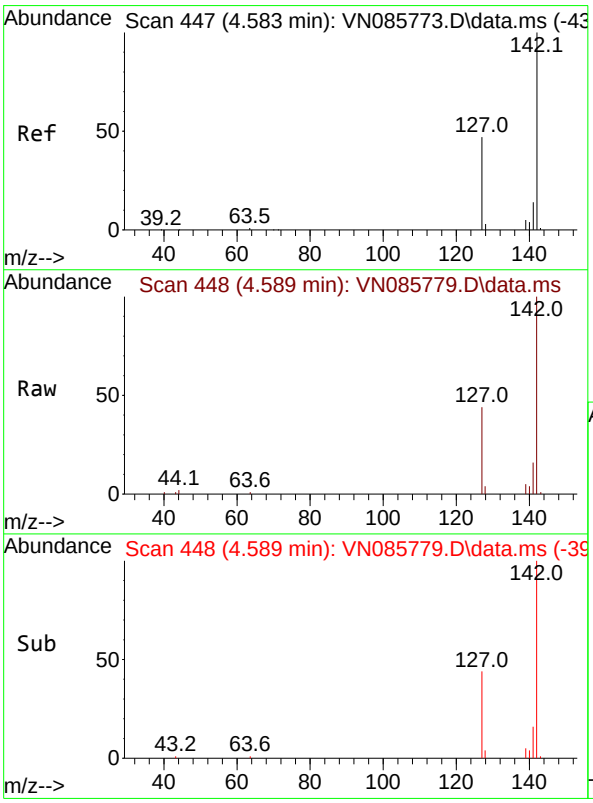
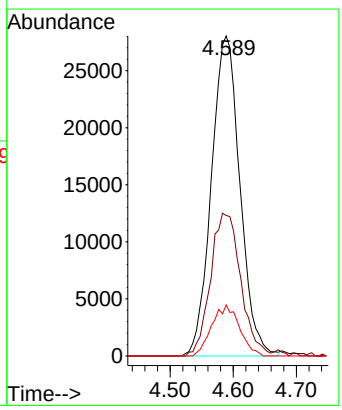


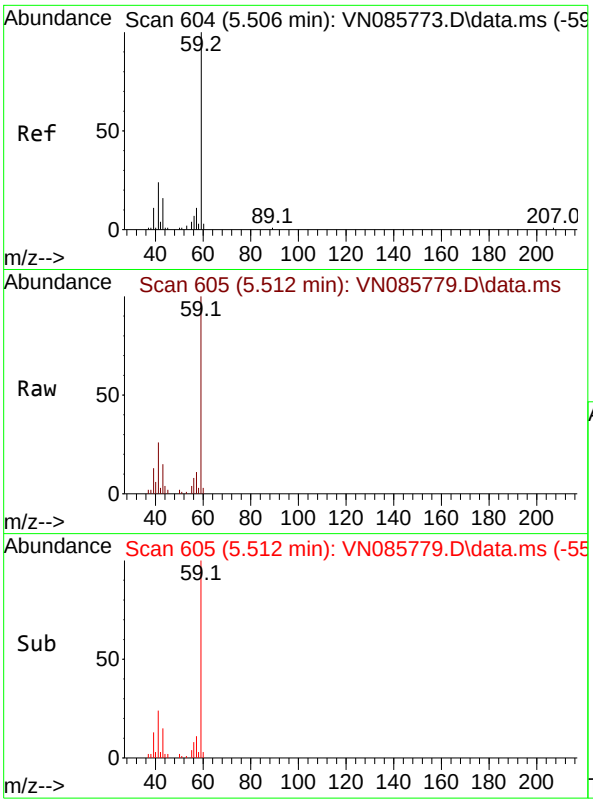


#10
Methyl Iodide
Concen: 19.093 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:142 Resp: 87963

Ion	Ratio	Lower	Upper
142	100		
127	43.9	37.6	56.4
141	15.9	11.4	17.2

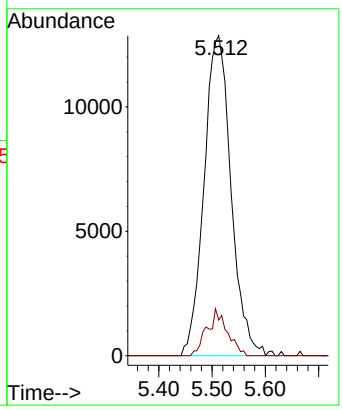




#11
Tert butyl alcohol
Concen: 91.941 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 59 Resp: 4530

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5



Instrument :
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ClientSampleId :
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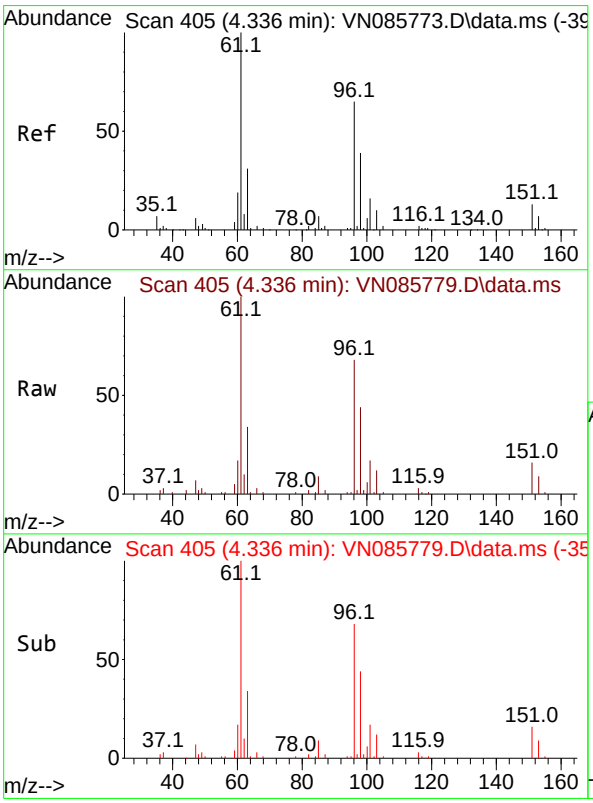
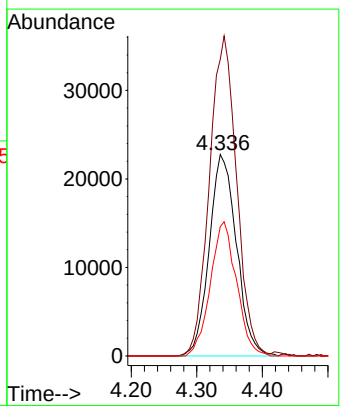
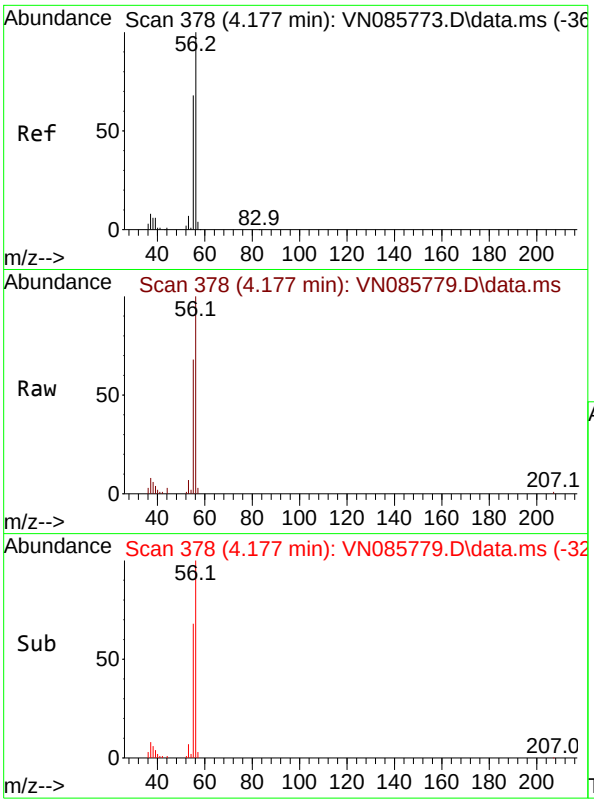


#12
1,1-Dichloroethene
Concen: 19.375 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 96 Resp: 65660

Ion	Ratio	Lower	Upper
96	100		
61	147.3	123.3	184.9
98	64.2	48.6	72.8

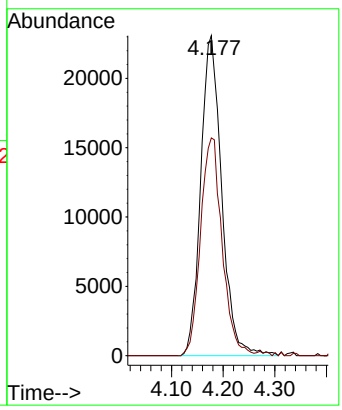




#13
Acrolein
Concen: 89.078 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 56 Resp: 6509

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
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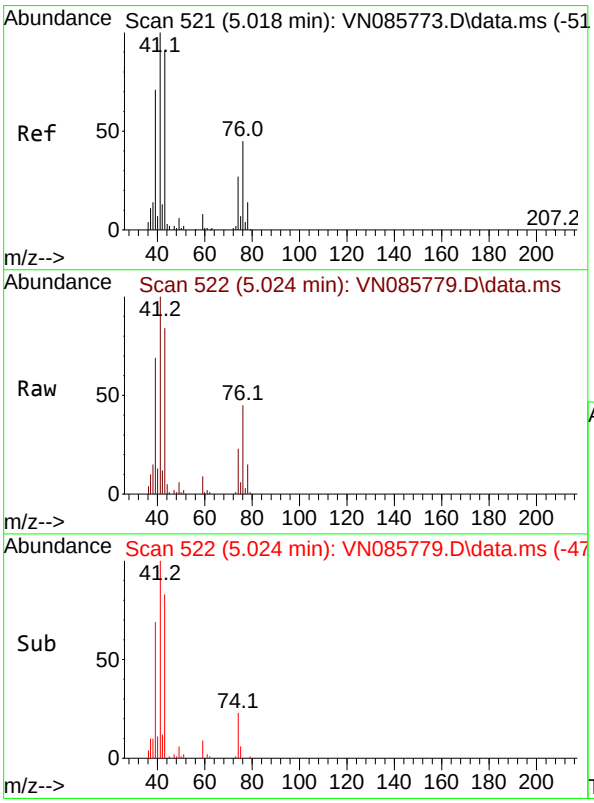
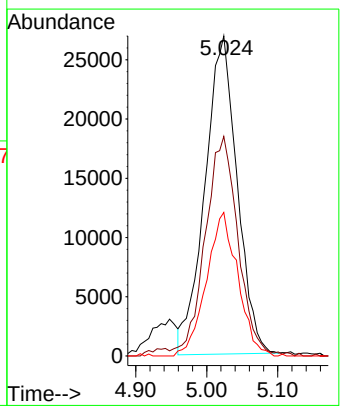
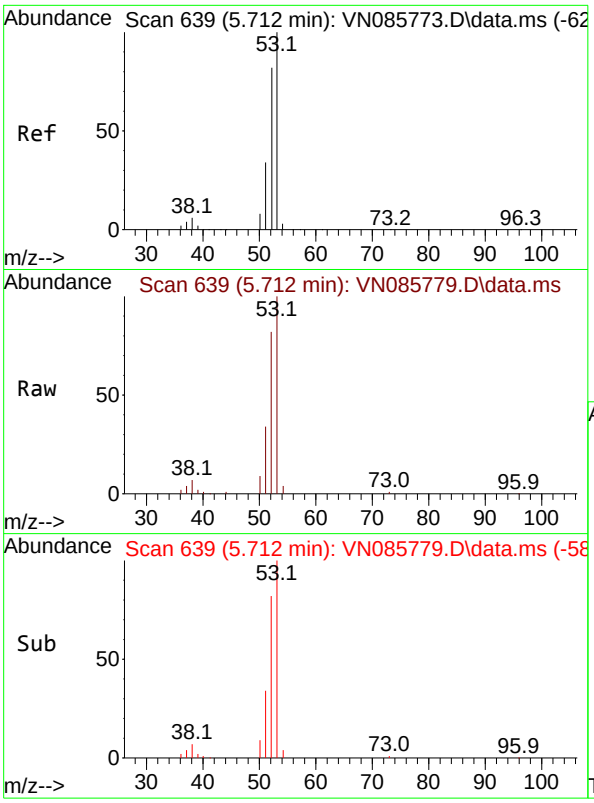


#14
Allyl chloride
Concen: 19.054 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 41 Resp: 84778

Ion	Ratio	Lower	Upper
41	100		
39	70.2	57.4	86.2
76	43.8	36.2	54.2

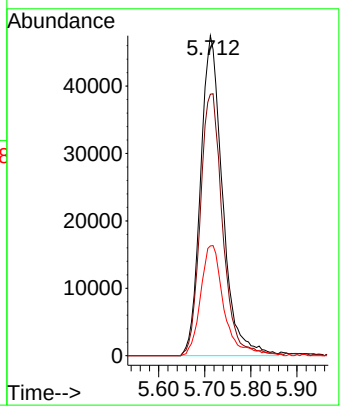




#15
Acrylonitrile
Concen: 98.787 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 53 Resp: 15825

Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.6
51	36.5	28.6	42.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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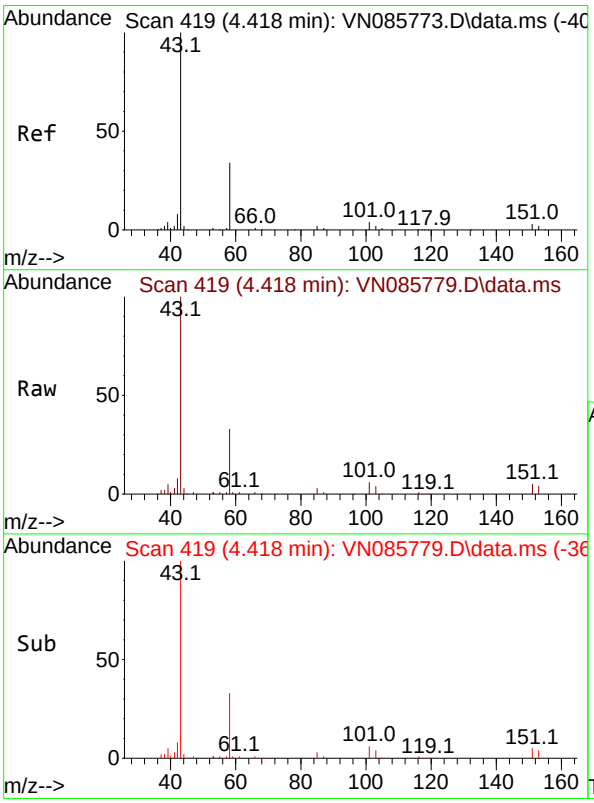
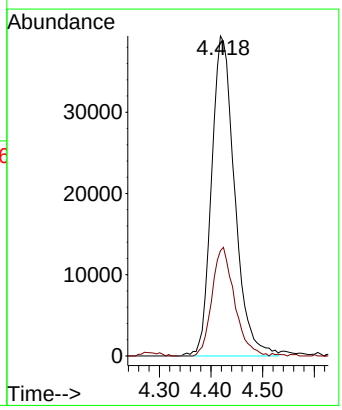
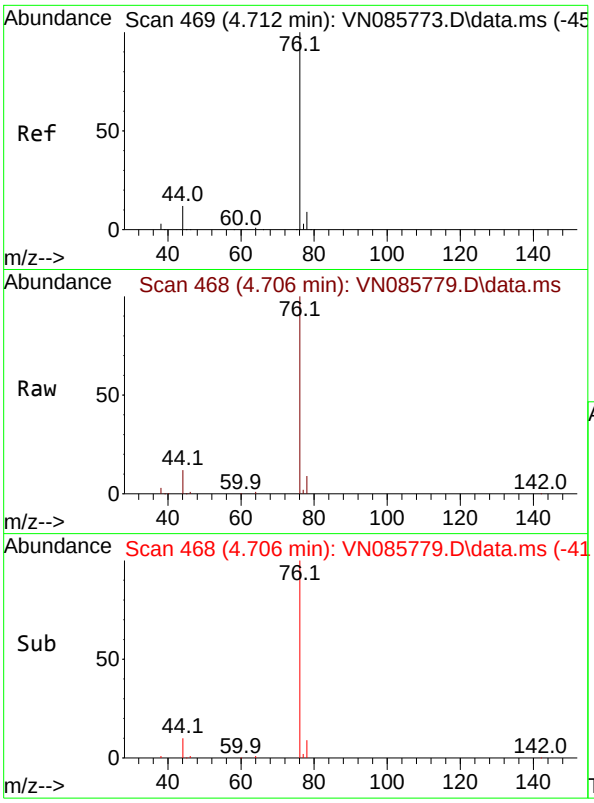


#16
Acetone
Concen: 96.596 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 122455

Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.5	41.3

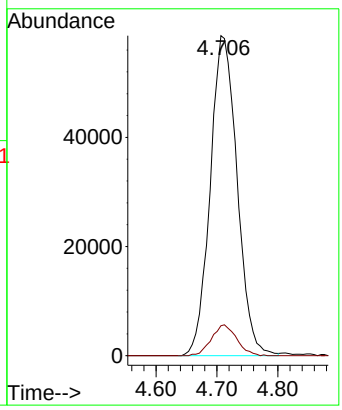




#17
Carbon Disulfide
Concen: 17.910 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 76 Resp: 17988

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0



Instrument :
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ClientSampleId :
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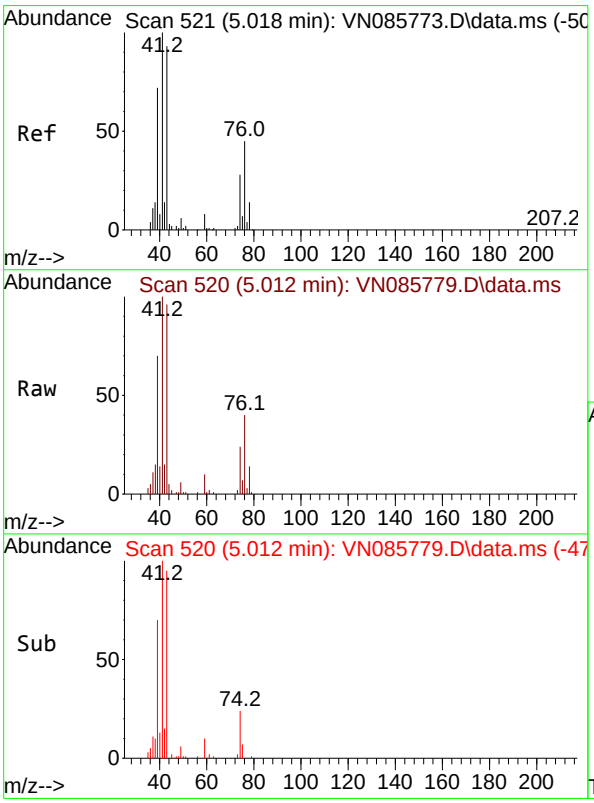
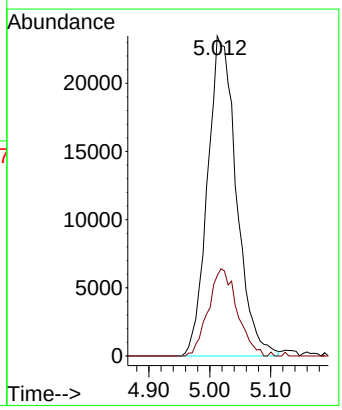
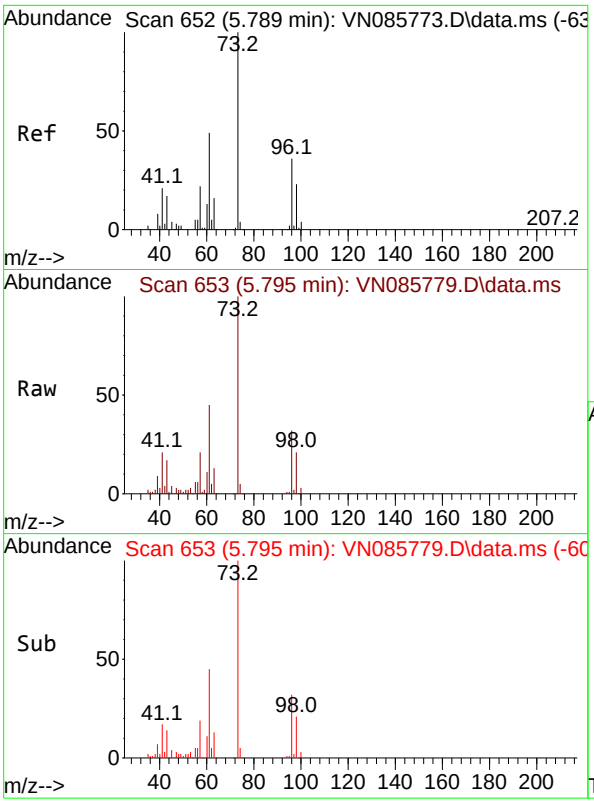


#18
Methyl Acetate
Concen: 17.712 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 77229

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4

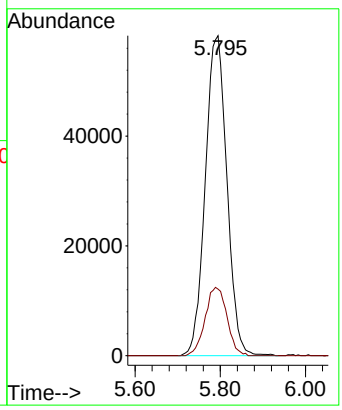




#19
Methyl tert-butyl Ether
Concen: 20.362 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 73 Resp: 20504

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.6	26.4



Instrument :
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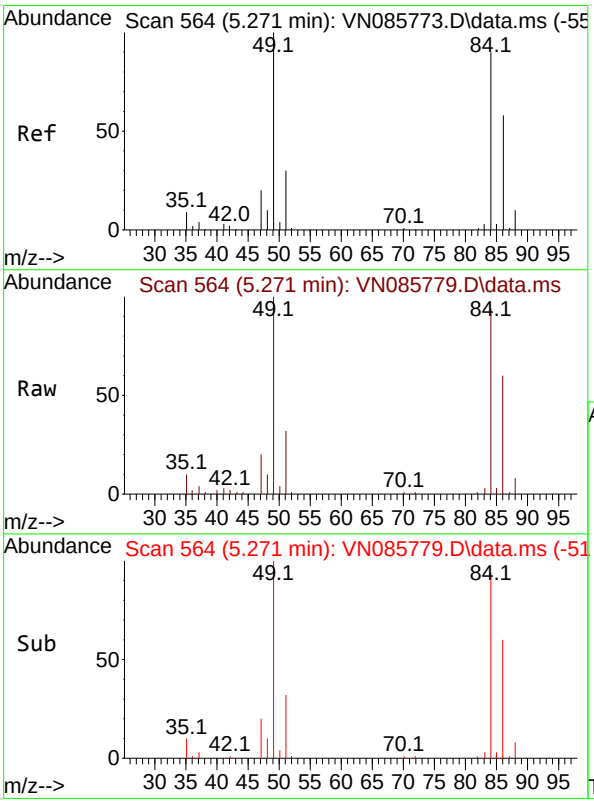
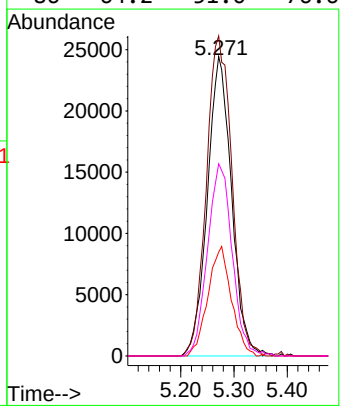
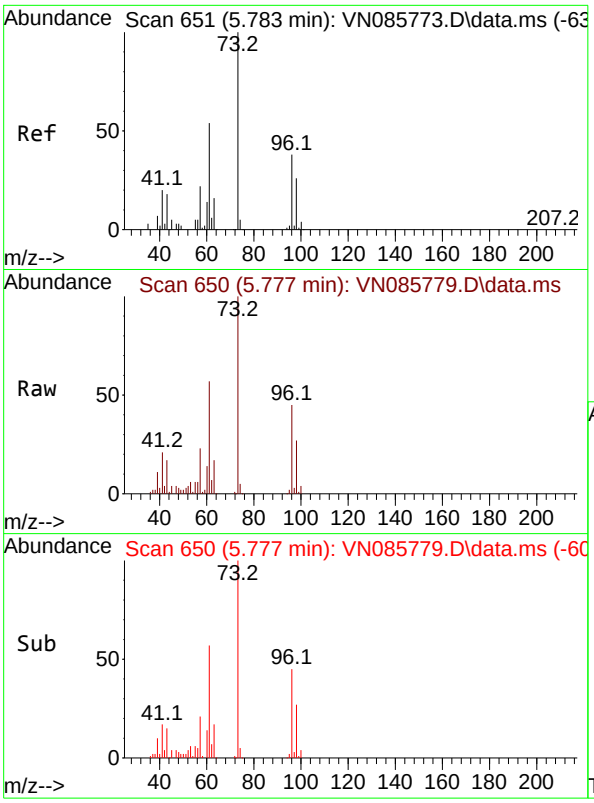


#20
Methylene Chloride
Concen: 18.963 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 84 Resp: 77308

Ion	Ratio	Lower	Upper
84	100		
49	106.9	88.4	132.6
51	34.7	26.6	40.0
86	64.2	51.0	76.6

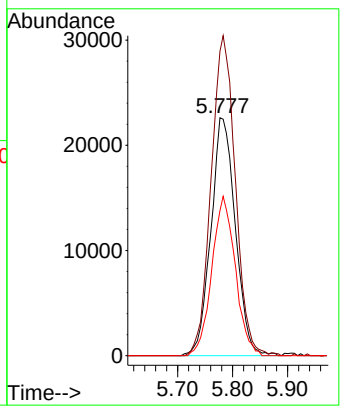




#21
trans-1,2-Dichloroethene
Concen: 19.162 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 96 Resp: 6992

Ion	Ratio	Lower	Upper
96	100		
61	127.9	112.6	168.8
98	61.0	53.3	79.9



Instrument :
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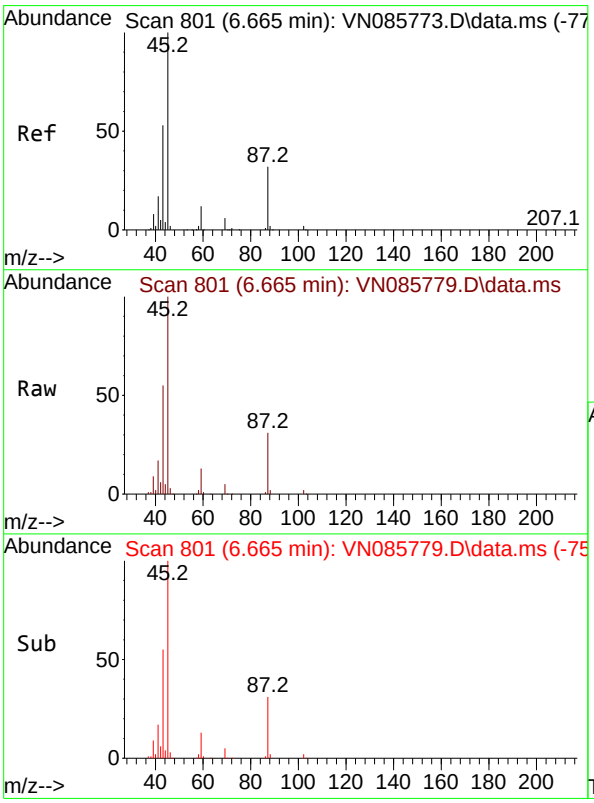
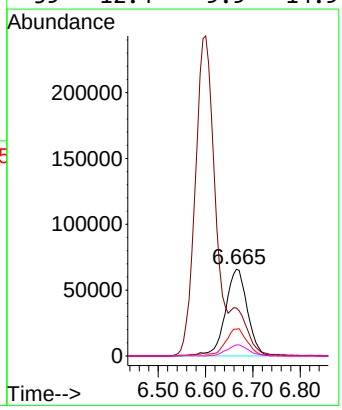
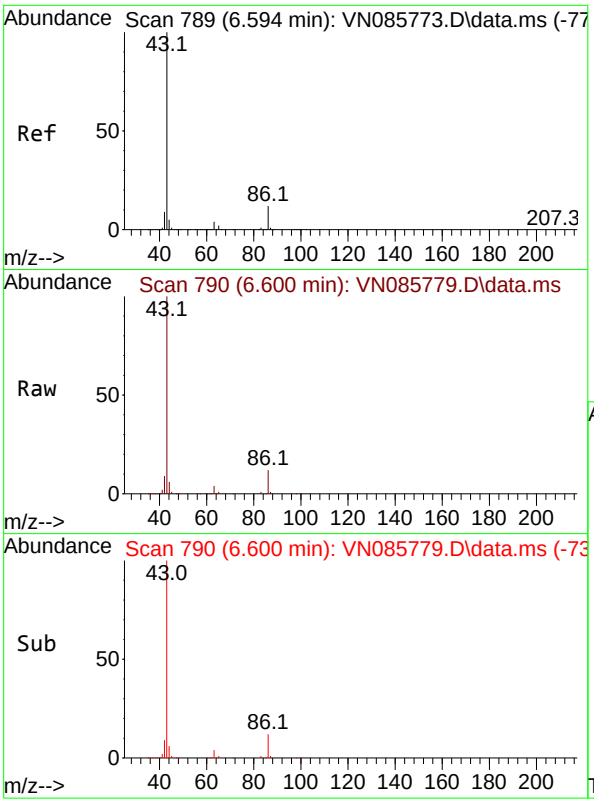


#22
Diisopropyl ether
Concen: 21.095 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 45 Resp: 212086

Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.6	64.0
87	31.0	25.8	38.8
59	12.4	9.9	14.9

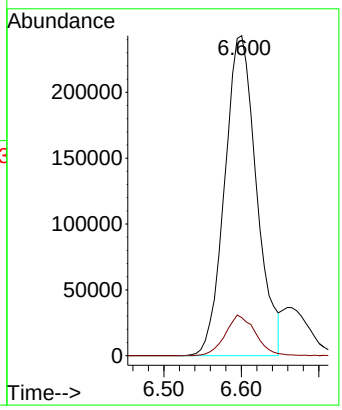




#23
Vinyl Acetate
Concen: 101.409 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 69594

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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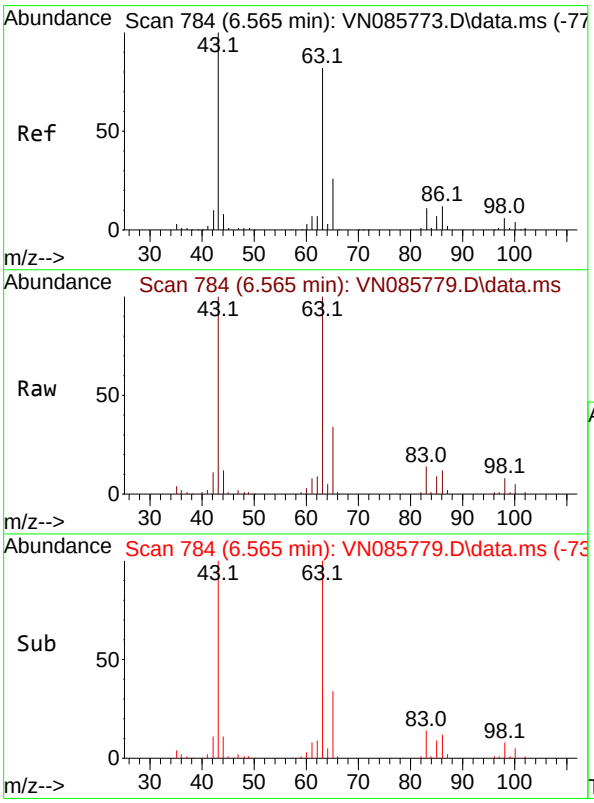
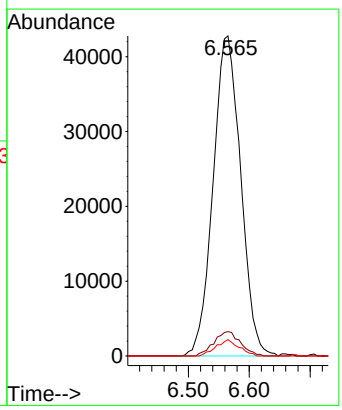
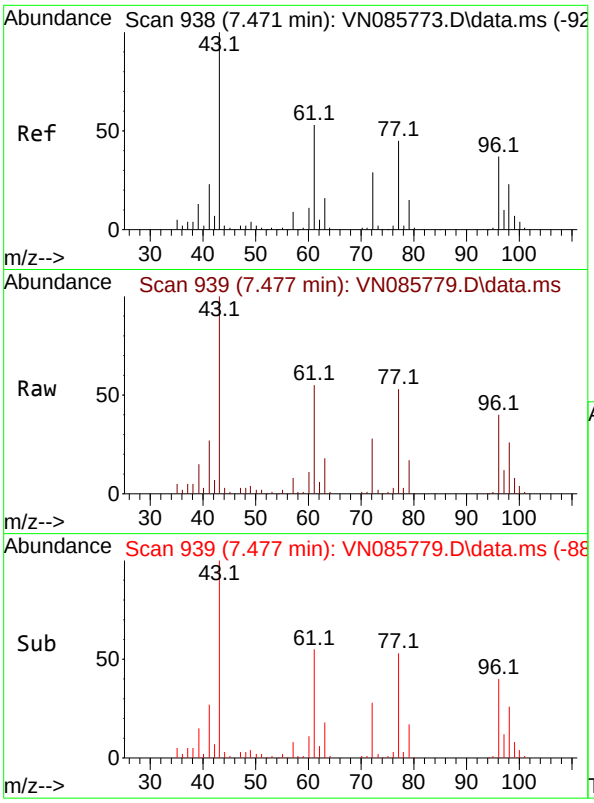


#24
1,1-Dichloroethane
Concen: 19.697 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 63 Resp: 134620

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	5.1	2.4	7.2

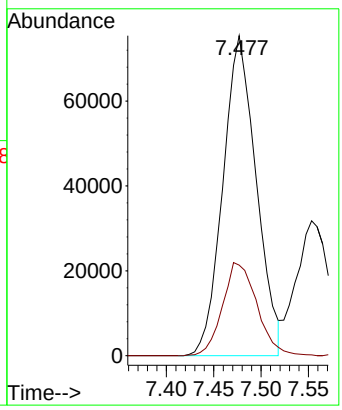




#25
2-Butanone
Concen: 99.012 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 18465

Ion	Ratio	Lower	Upper
43	100		
72	28.3	23.6	35.4



Instrument :
MSVOA_N
ClientSampleId :
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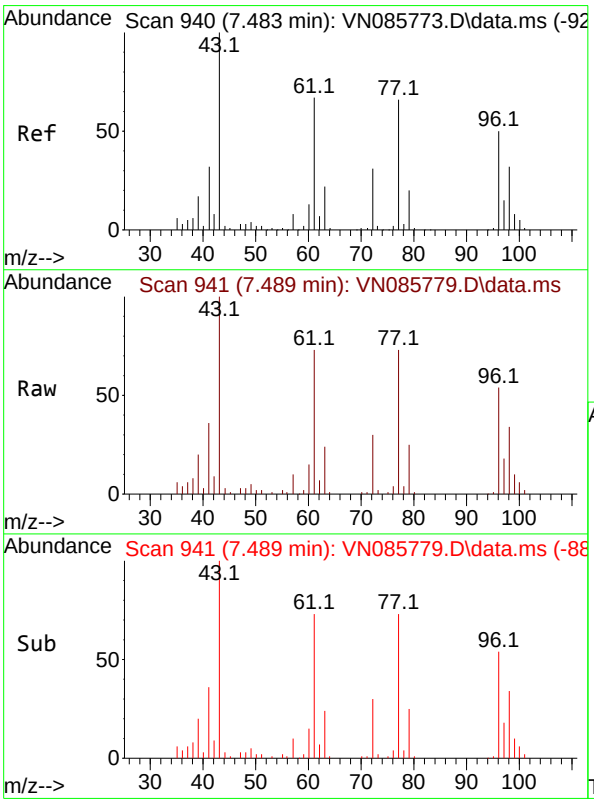
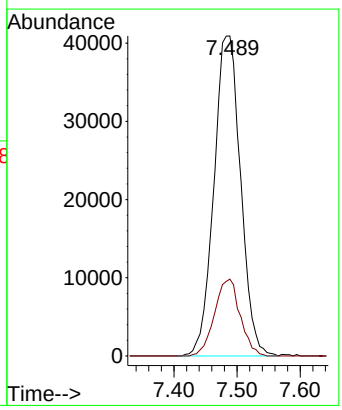
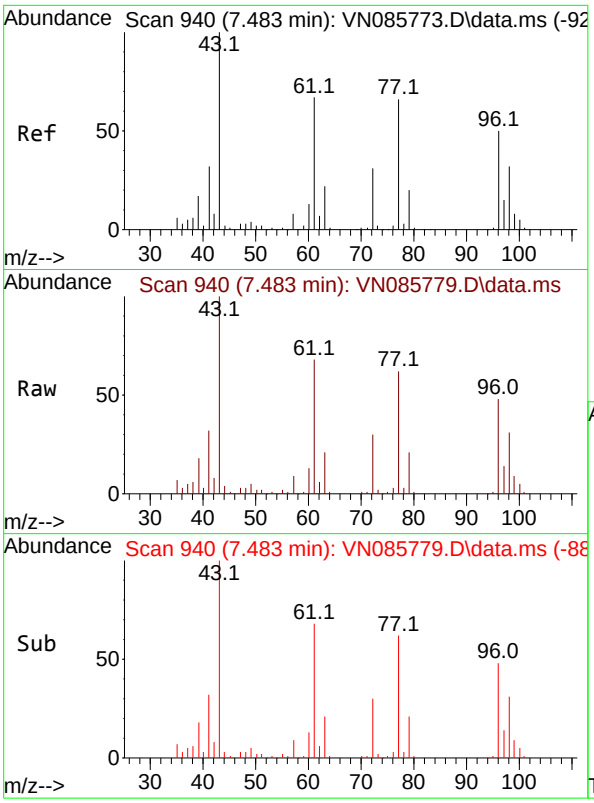


#26
2,2-Dichloropropane
Concen: 19.752 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 77 Resp: 120039

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.3	33.8

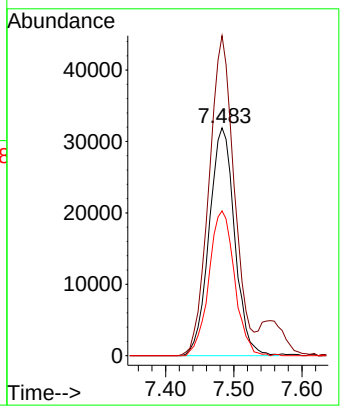




#27
cis-1,2-Dichloroethene
Concen: 19.590 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 96 Resp: 8288

Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	280.6
98	63.9	0.0	128.6



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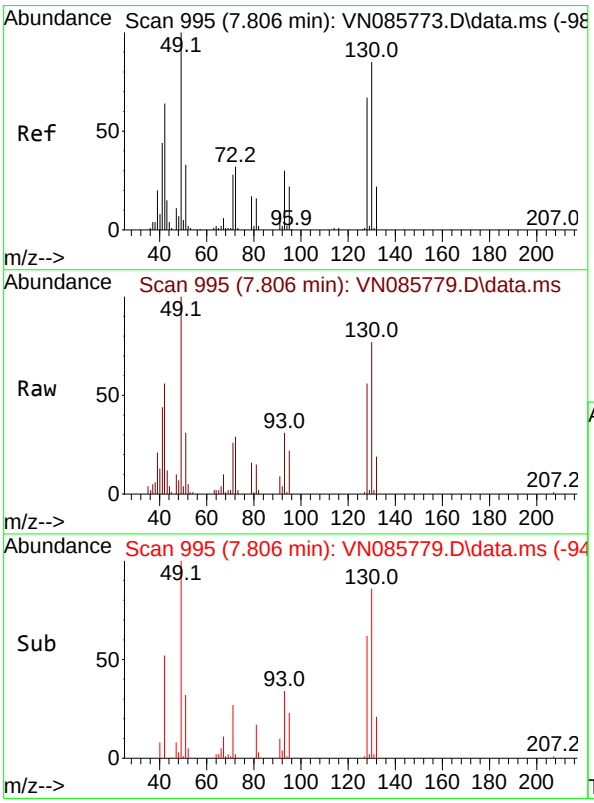
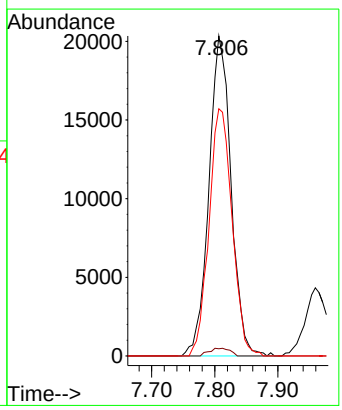
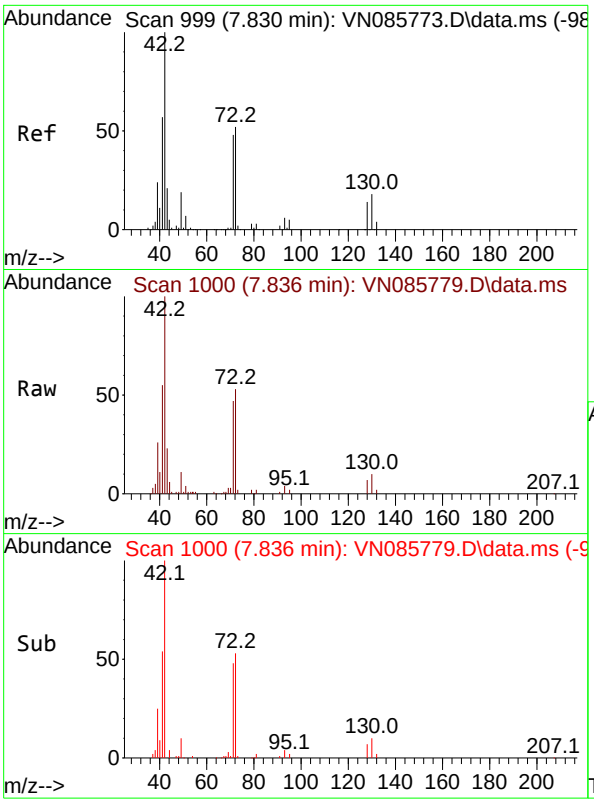


#28
Bromochloromethane
Concen: 17.678 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 49 Resp: 49657

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	80.5	68.0	102.0

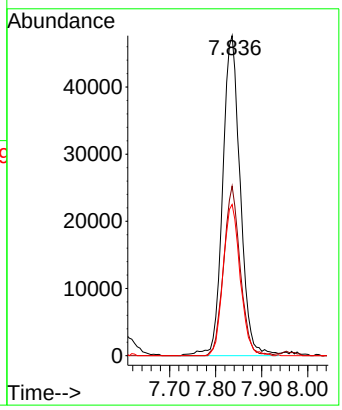




#29
Tetrahydrofuran
Concen: 104.482 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 42 Resp: 12583

Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.0	60.0
71	46.0	37.0	55.4



Instrument :
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ClientSampleId :
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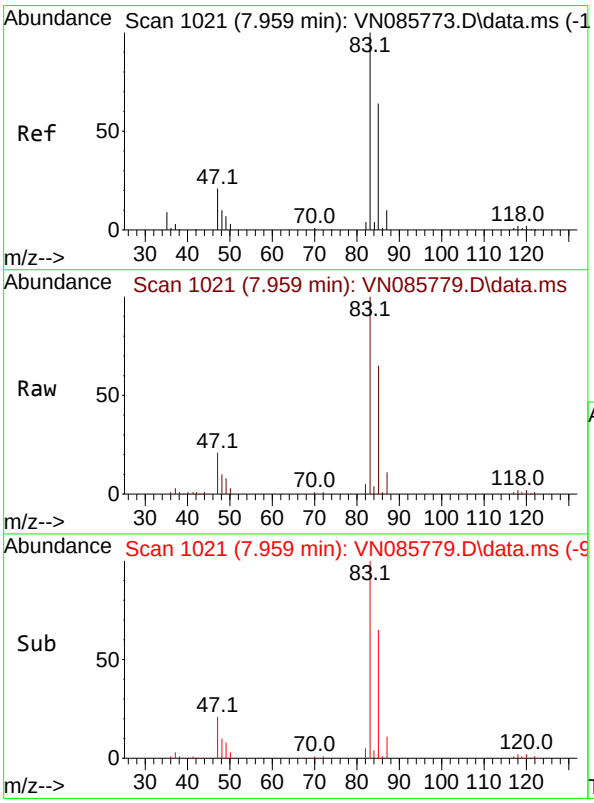
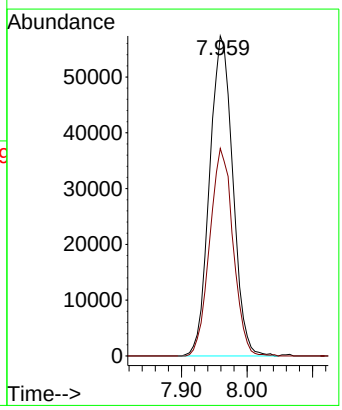
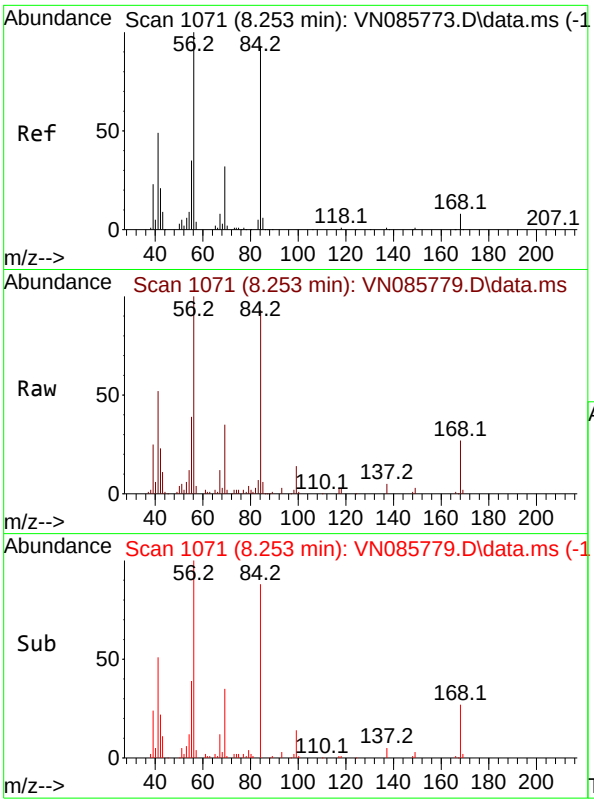


#30
Chloroform
Concen: 19.750 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 83 Resp: 141059

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3





#31
Cyclohexane
Concen: 18.525 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 56 Resp: 10600

Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.8	38.6
84	91.1	74.5	111.7

Instrument :
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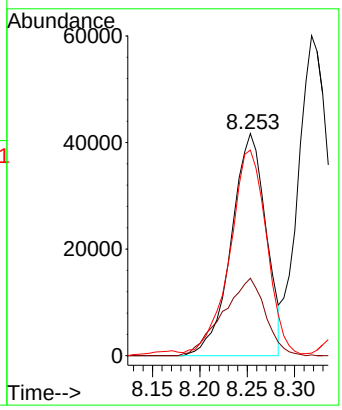
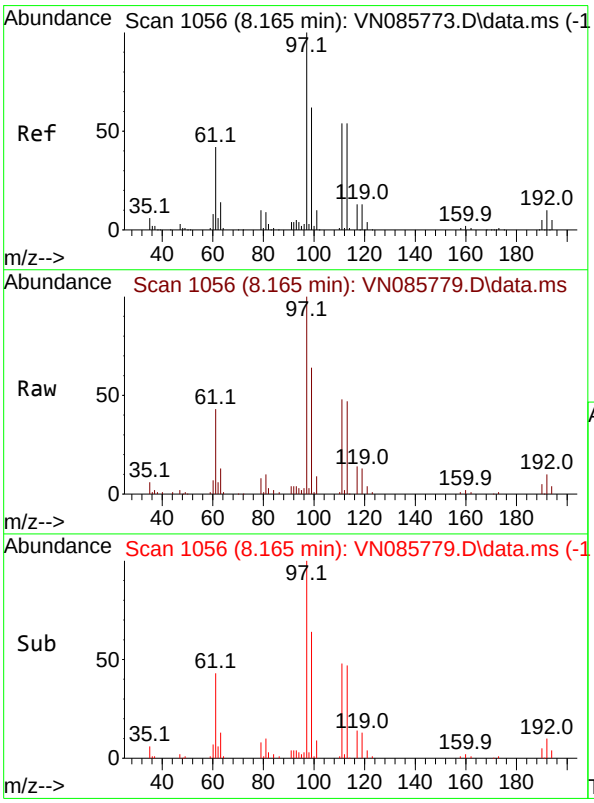
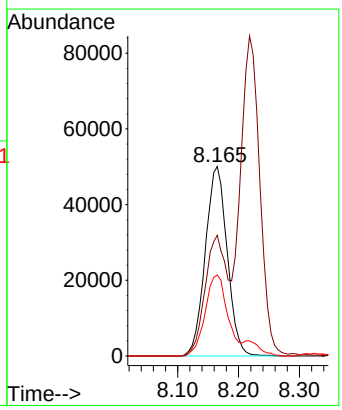


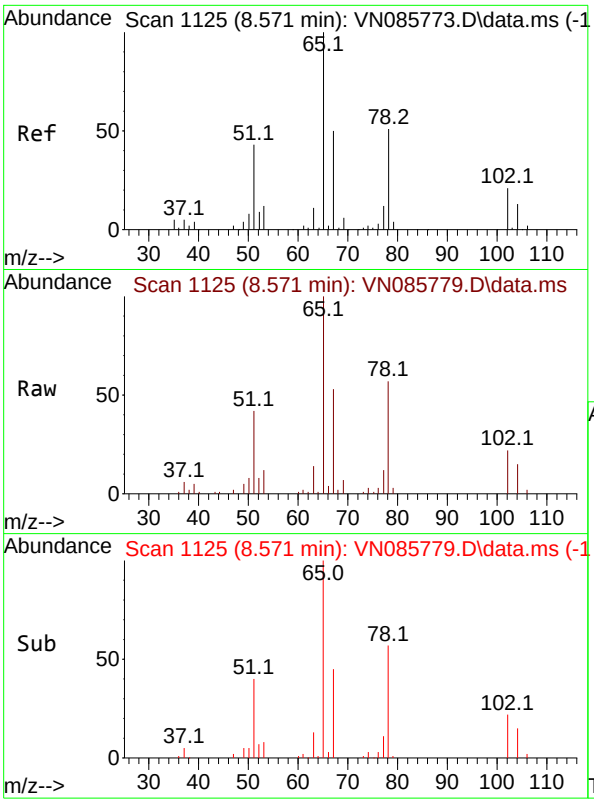


#32
1,1,1-Trichloroethane
Concen: 19.686 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 97 Resp: 125061

Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.4	75.6
61	44.4	35.5	53.3

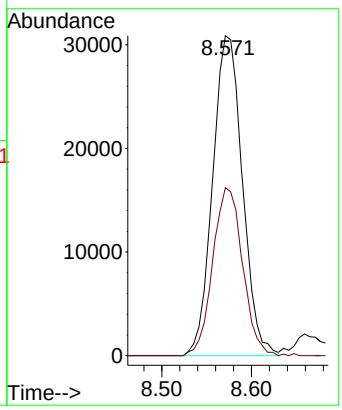




#33
1,2-Dichloroethane-d4
Concen: 17.751 ug/l
RT: 8.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 65 Resp: 7111

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.2



Instrument :
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ClientSampleId :
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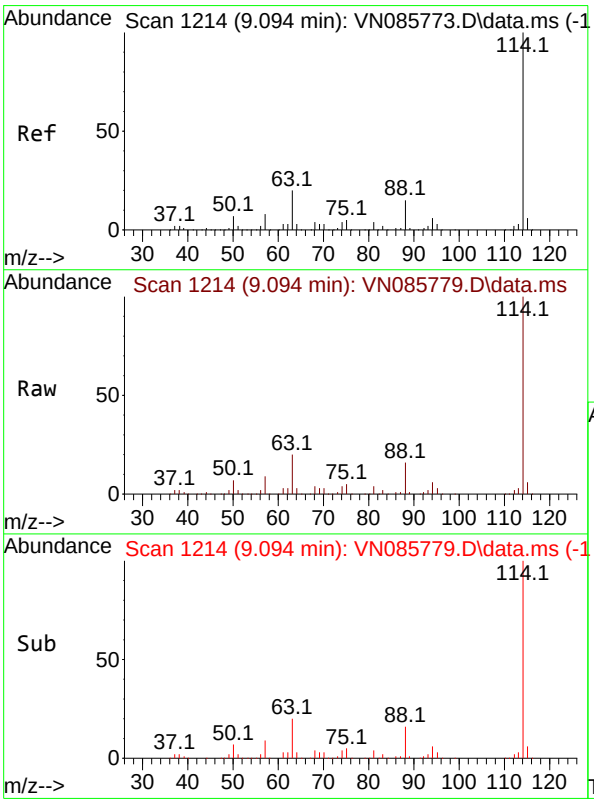
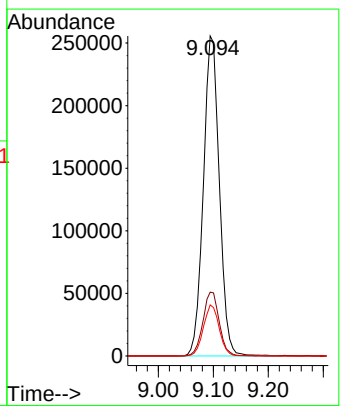
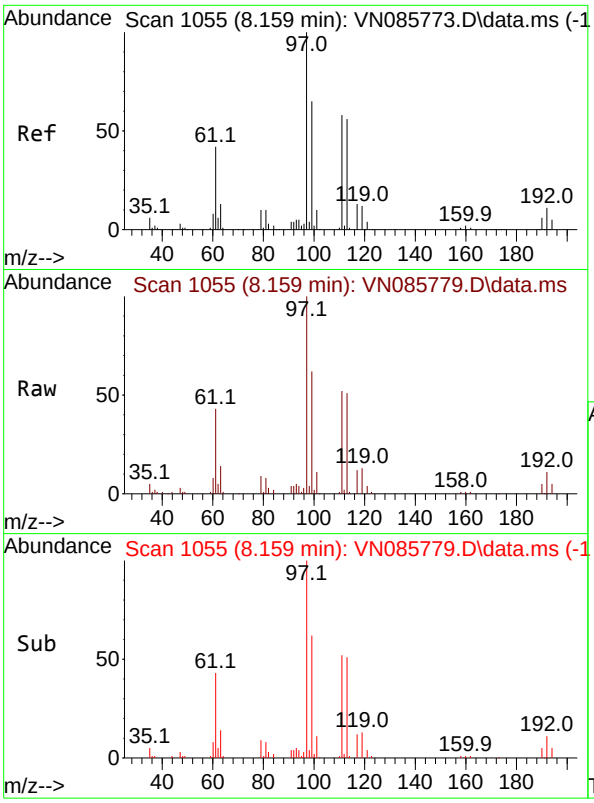


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:114 Resp: 515996

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.2
88	16.0	0.0	30.0

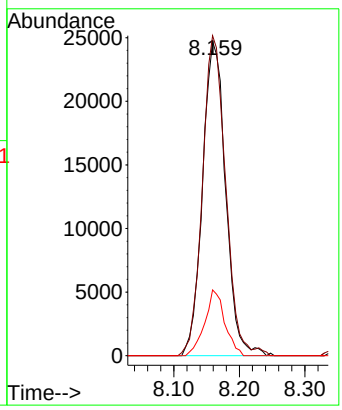




#35
Dibromofluoromethane
Concen: 17.903 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:113 Resp: 6044

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	18.2	14.7	22.1



Instrument :
MSVOA_N
ClientSampleId :
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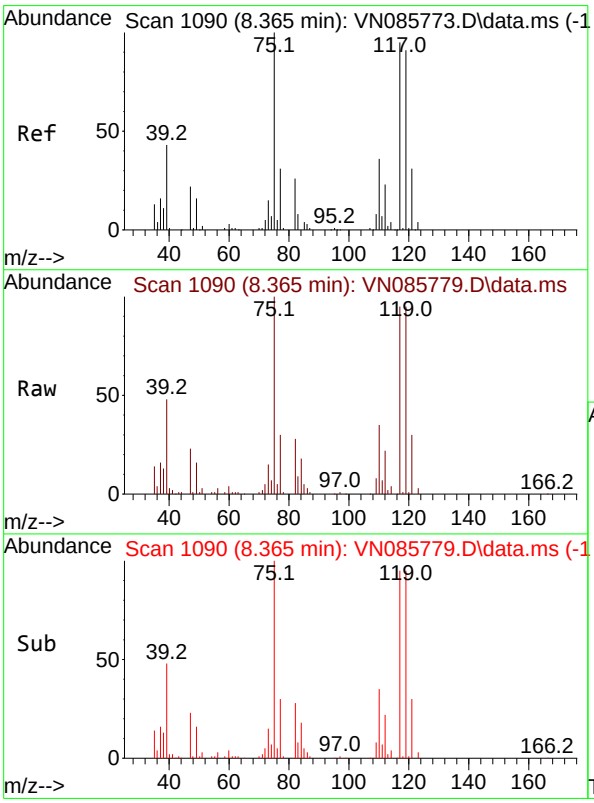
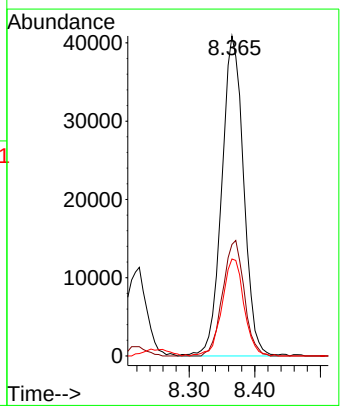
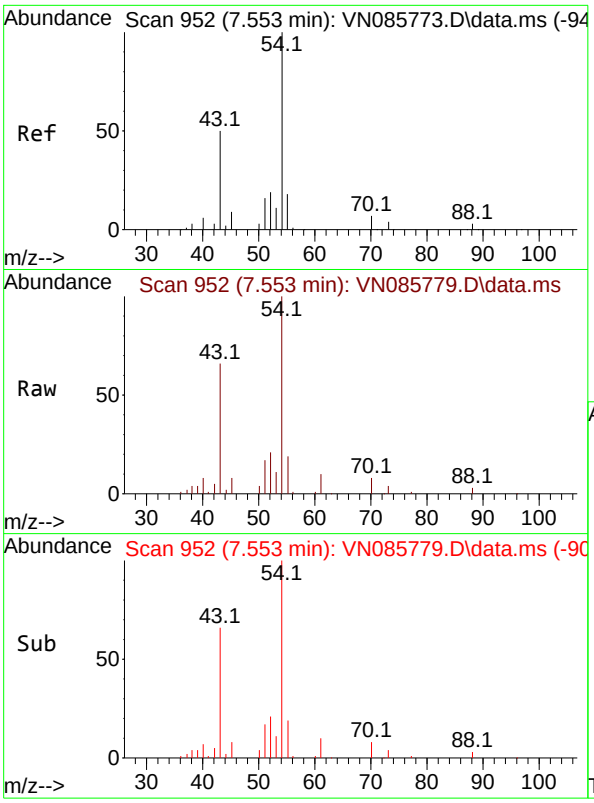


#36
1,1-Dichloropropene
Concen: 19.772 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 94481

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	52.0
77	30.5	24.6	37.0

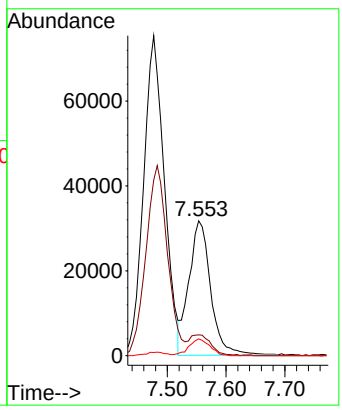




#37
Ethyl Acetate
Concen: 20.780 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 8171

Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.2	18.2
70	12.0	9.5	14.3



Instrument :
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ClientSampleId :
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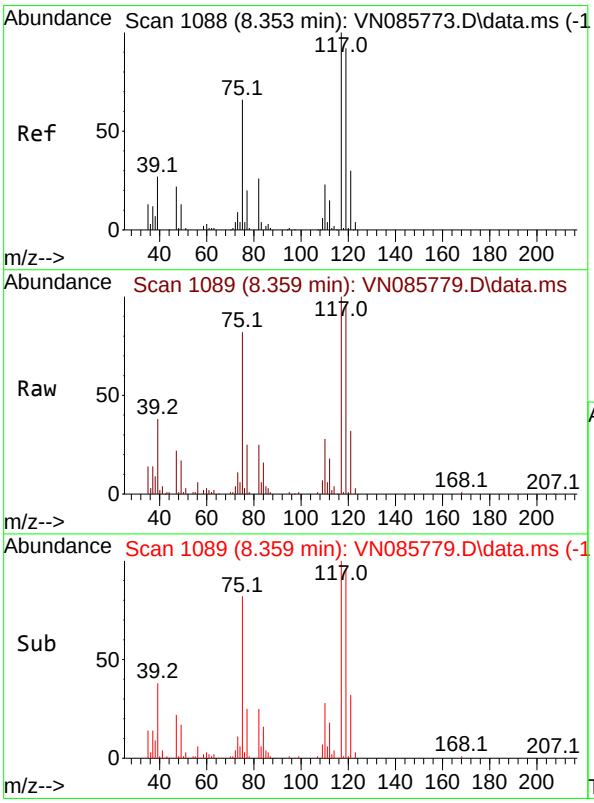
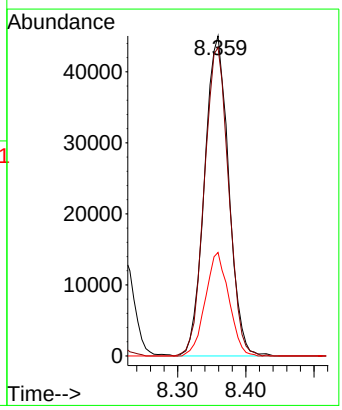
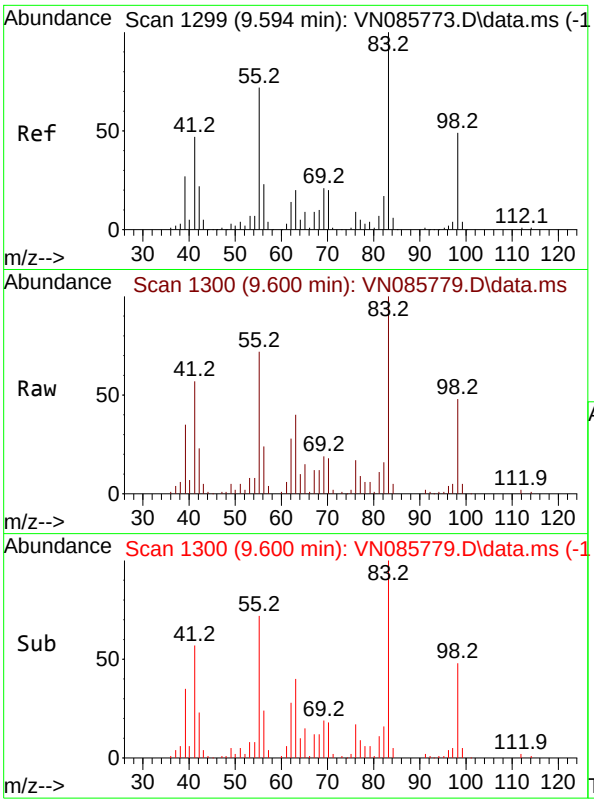


#38
Carbon Tetrachloride
Concen: 19.574 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:117 Resp: 111137

Ion	Ratio	Lower	Upper
117	100		
119	96.4	73.8	110.6
121	32.4	24.3	36.5

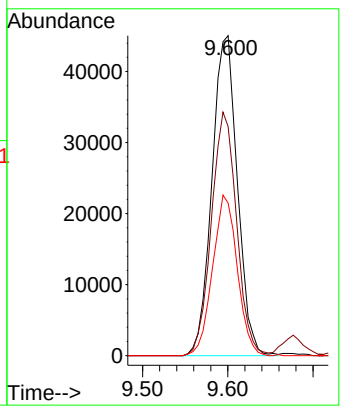




#39
Methylcyclohexane
Concen: 19.907 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 83 Resp: 9345

Ion	Ratio	Lower	Upper
83	100		
55	71.6	57.5	86.3
98	47.7	39.2	58.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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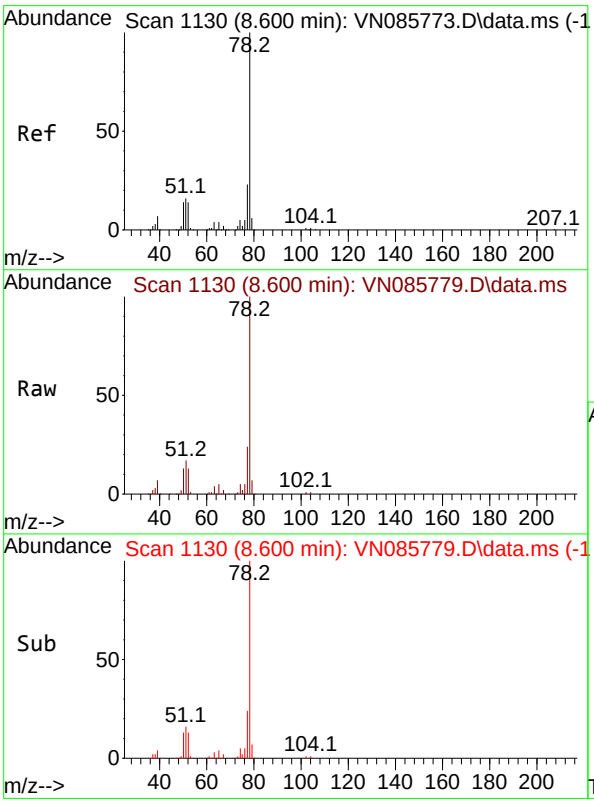
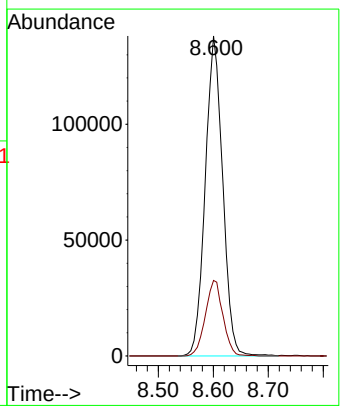
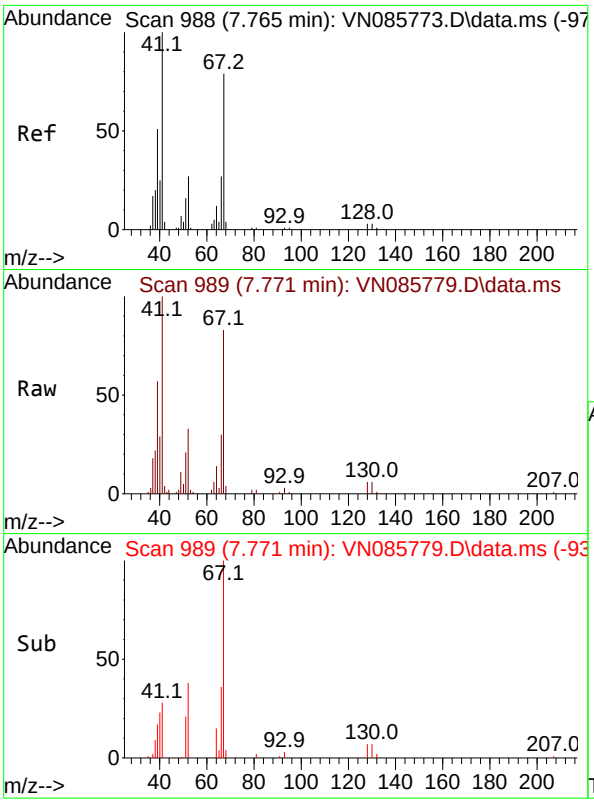


#40
Benzene
Concen: 19.863 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 78 Resp: 304209

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5

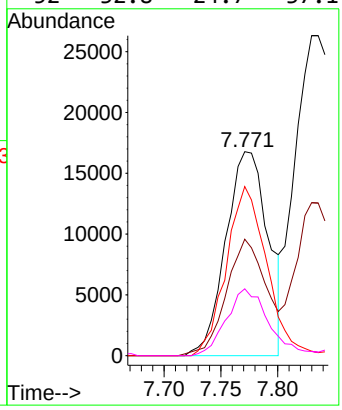




#41
Methacrylonitrile
Concen: 20.724 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 41 Resp: 4356

Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.0	63.0
67	79.2	64.2	96.4
52	32.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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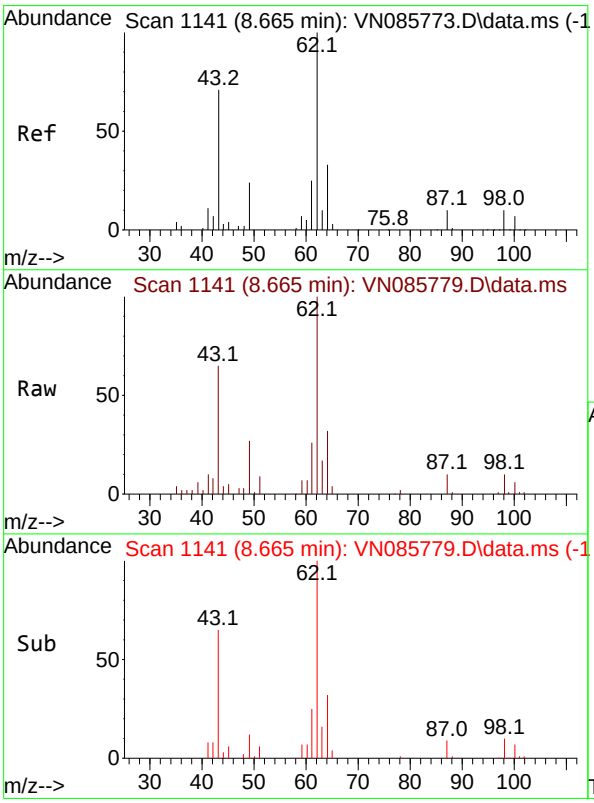
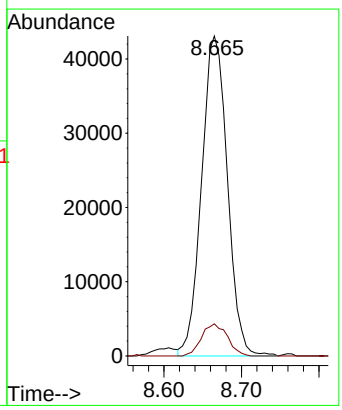
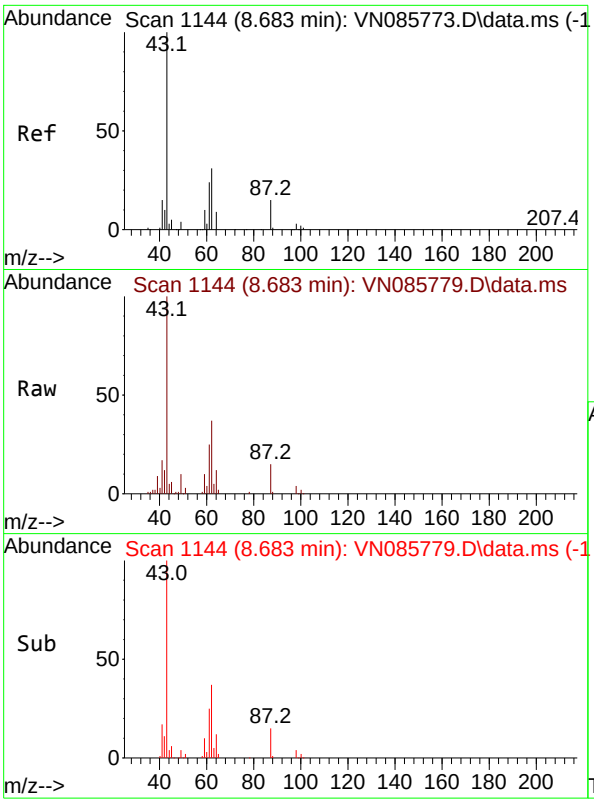


#42
1,2-Dichloroethane
Concen: 19.975 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 62 Resp: 99651

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43
Isopropyl Acetate
Concen: 19.709 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 13830

Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.6	34.0
87	14.2	11.8	17.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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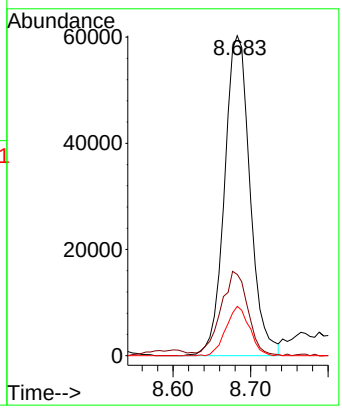
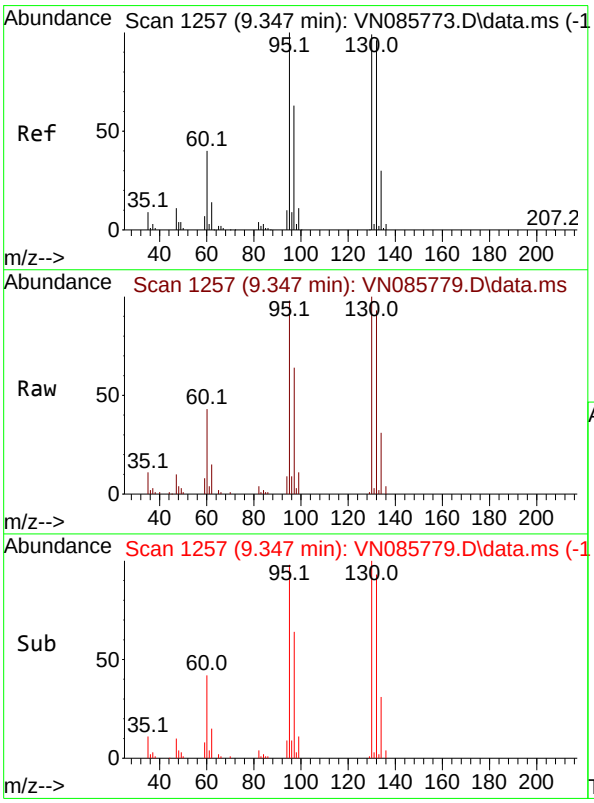
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

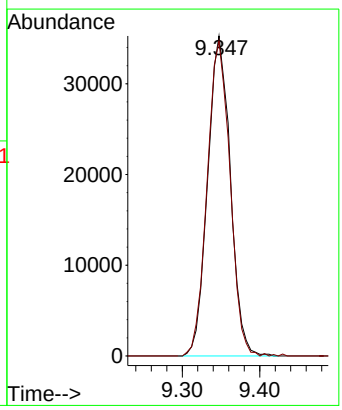


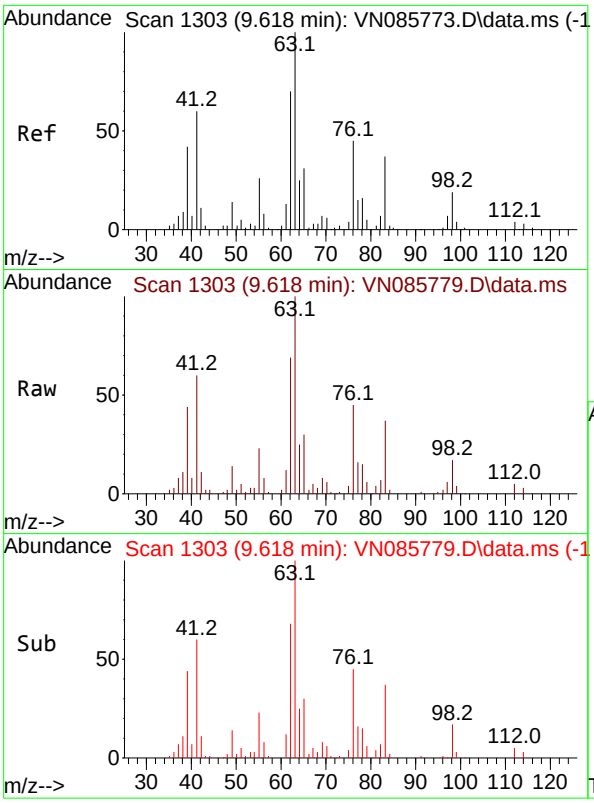


#44
Trichloroethene
Concen: 19.085 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:130 Resp: 71769

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	202.6





#45
1,2-Dichloropropane
Concen: 19.947 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 63 Resp: 7374

Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.1	37.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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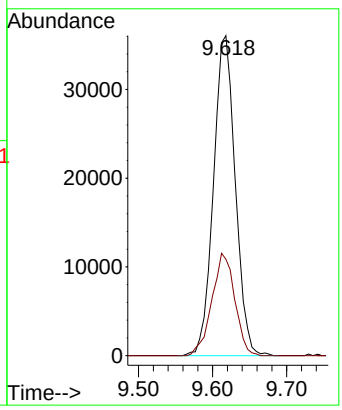
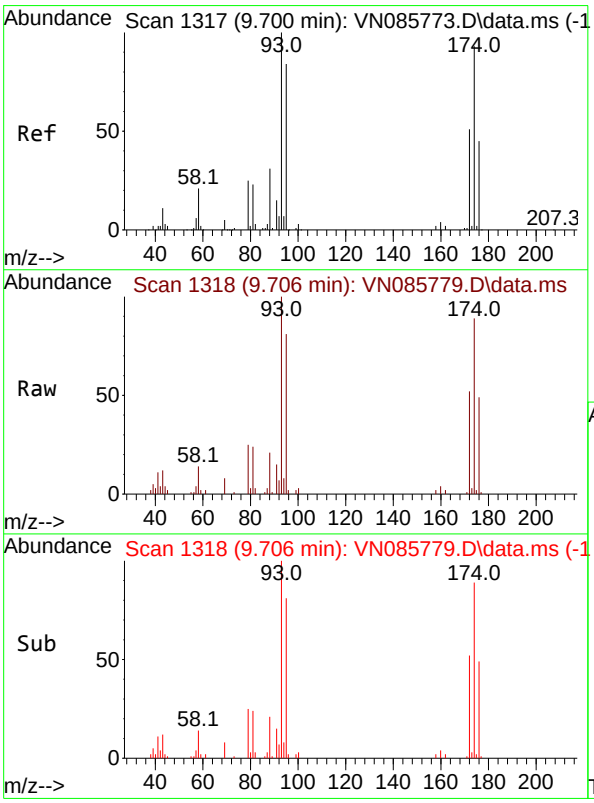
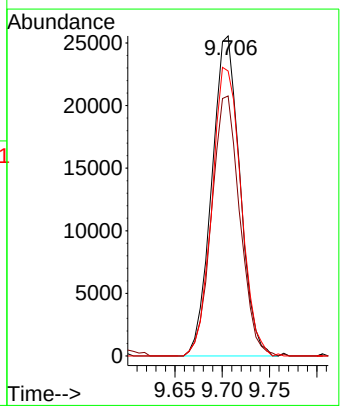


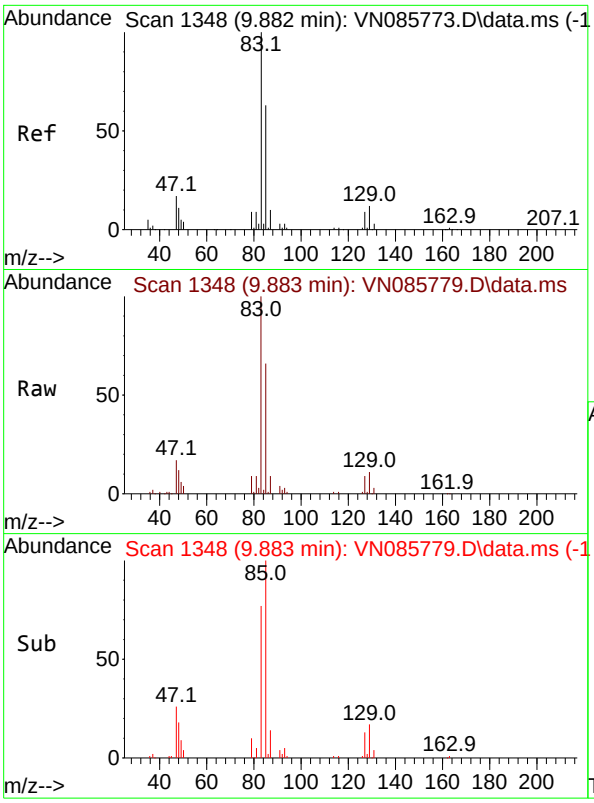


#46
Dibromomethane
Concen: 20.278 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 93 Resp: 52878

Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.7	100.1
174	93.0	77.2	115.8

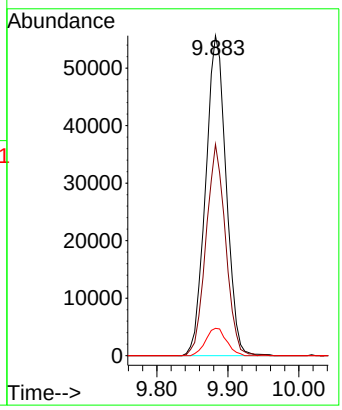




#47
Bromodichloromethane
Concen: 20.010 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 83 Resp: 11163

Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.5	75.7
127	8.6	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
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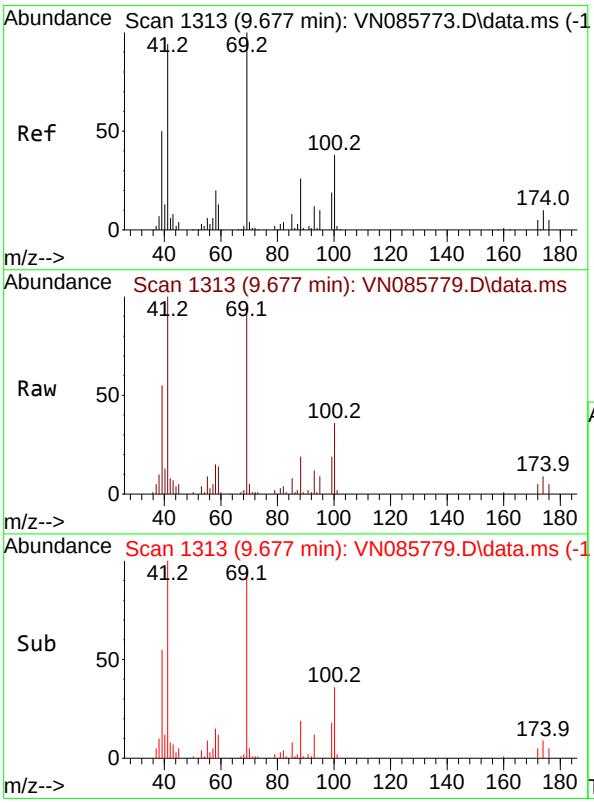
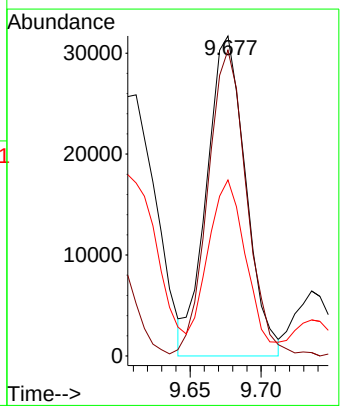
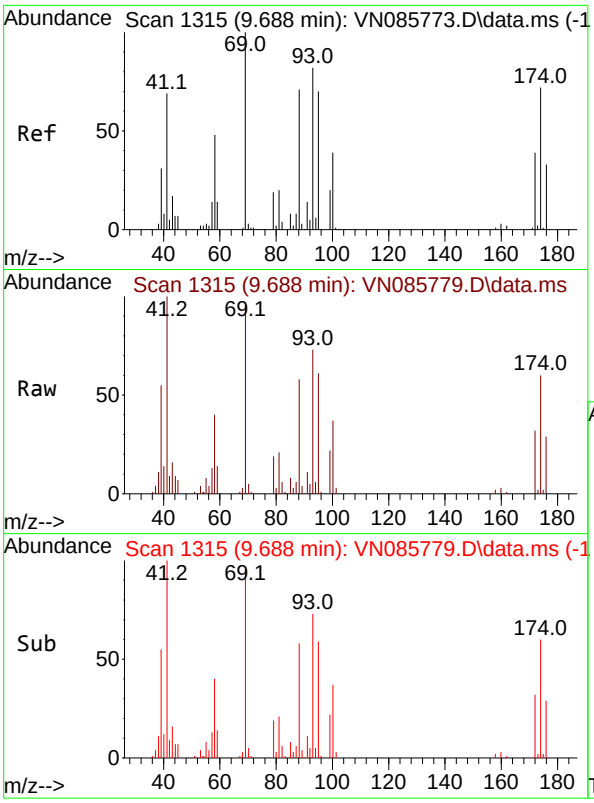


#48
Methyl methacrylate
Concen: 20.781 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 41 Resp: 60690

Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.0	114.0
39	54.7	42.3	63.5





#49
1,4-Dioxane
Concen: 392.137 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 88 Resp: 2177

Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.6	27.8
58	70.5	56.7	85.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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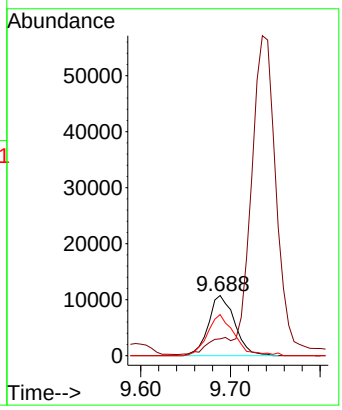
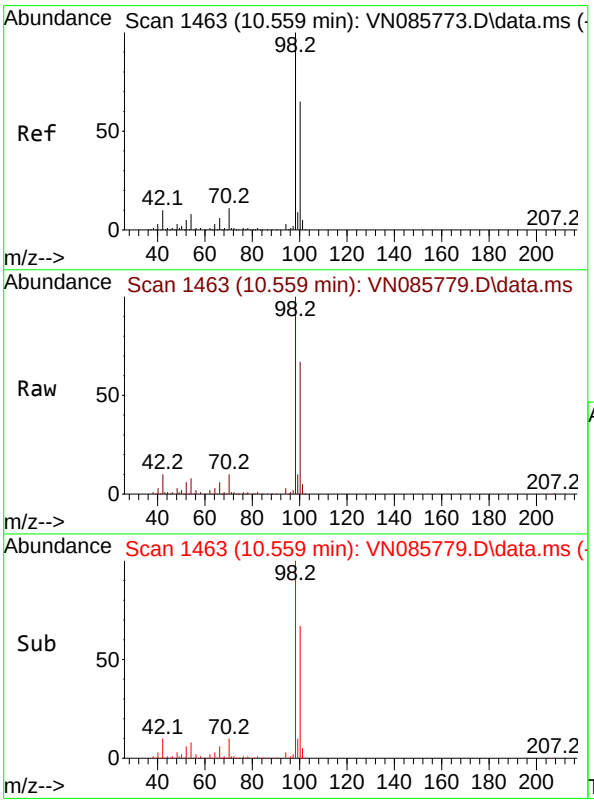
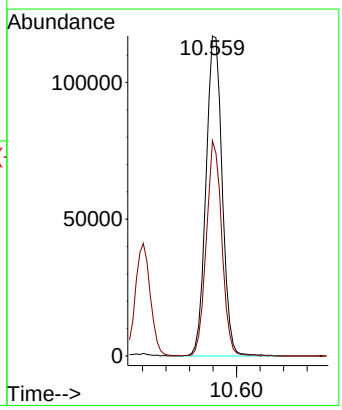


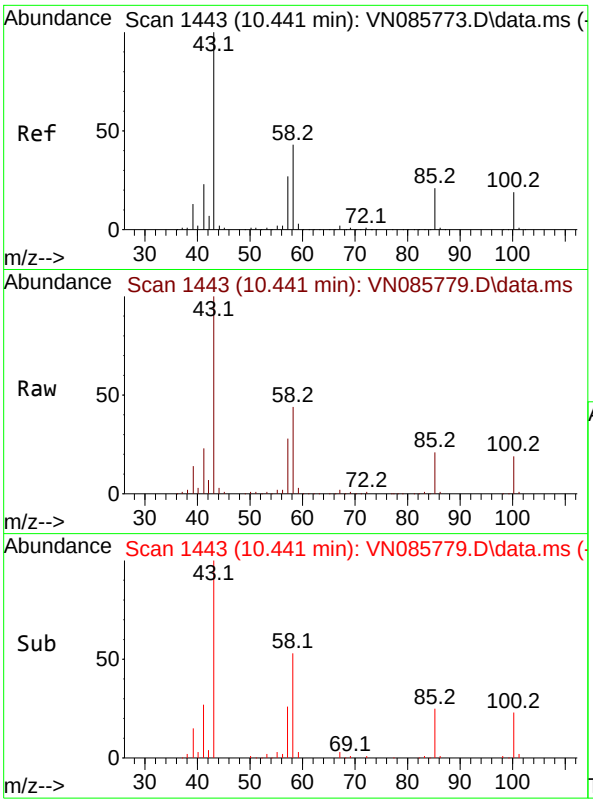


#50
Toluene-d8
Concen: 18.140 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 98 Resp: 222839

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 105.563 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 40023

Ion	Ratio	Lower	Upper
43	100		
58	42.5	34.6	52.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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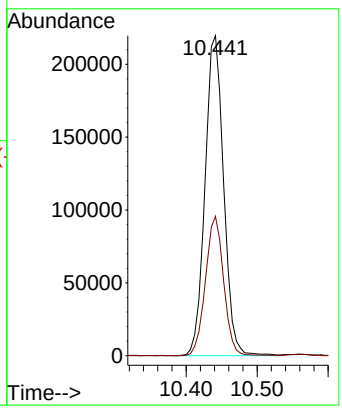
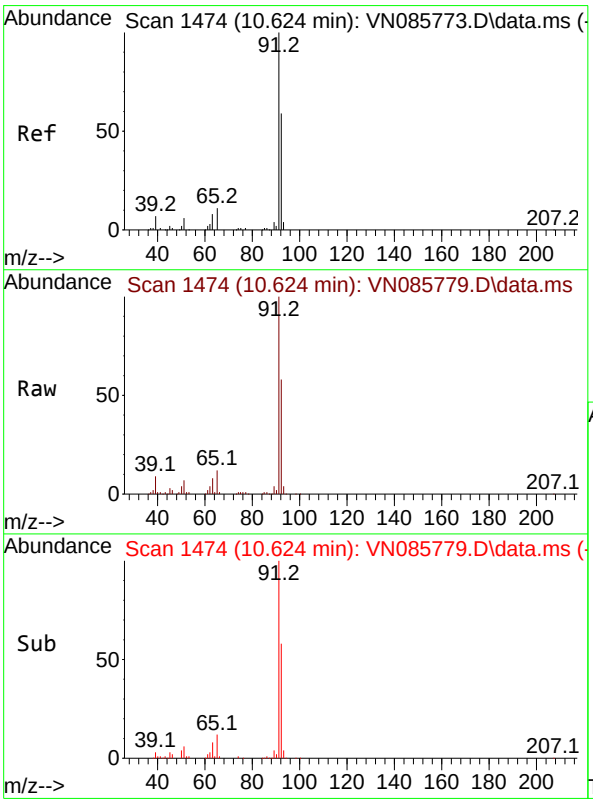
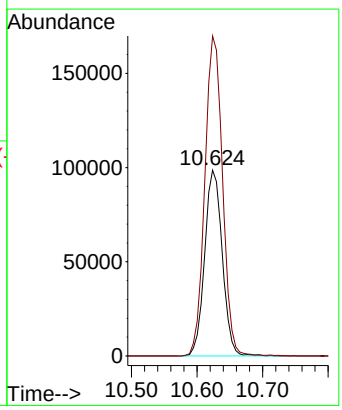


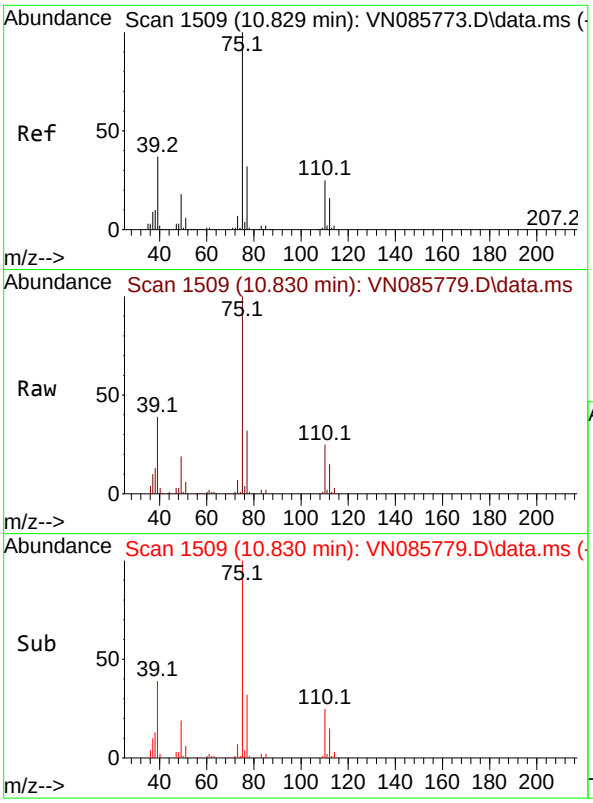


#52
Toluene
Concen: 20.495 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 92 Resp: 184001

Ion	Ratio	Lower	Upper
92	100		
91	173.5	136.9	205.3

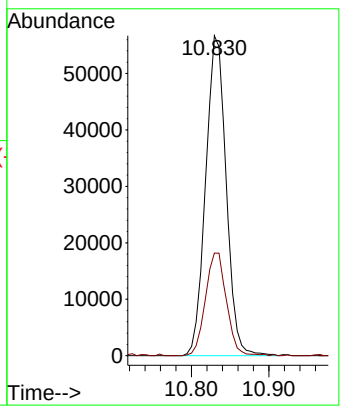




#53
t-1,3-Dichloropropene
Concen: 20.218 ug/l
RT: 10.830 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 10430

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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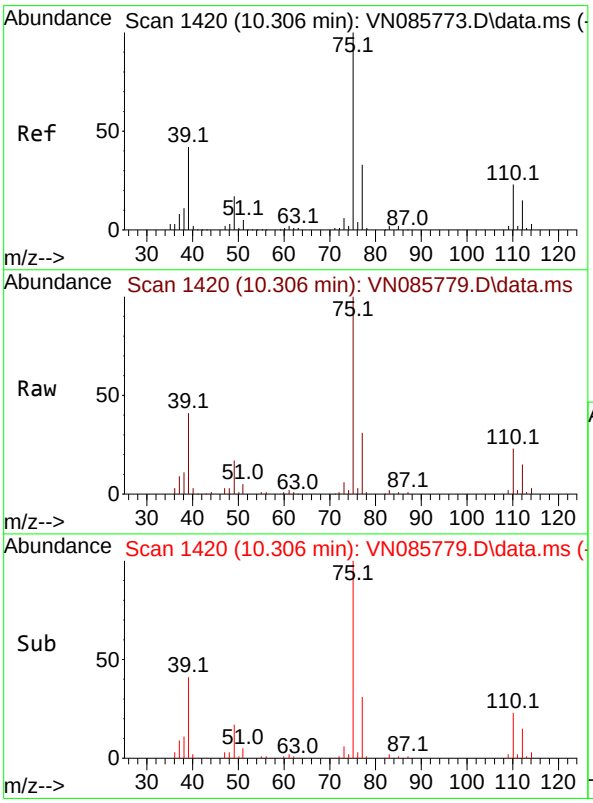
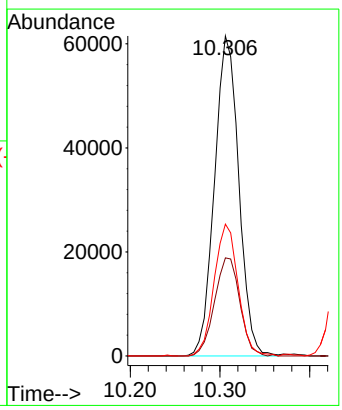
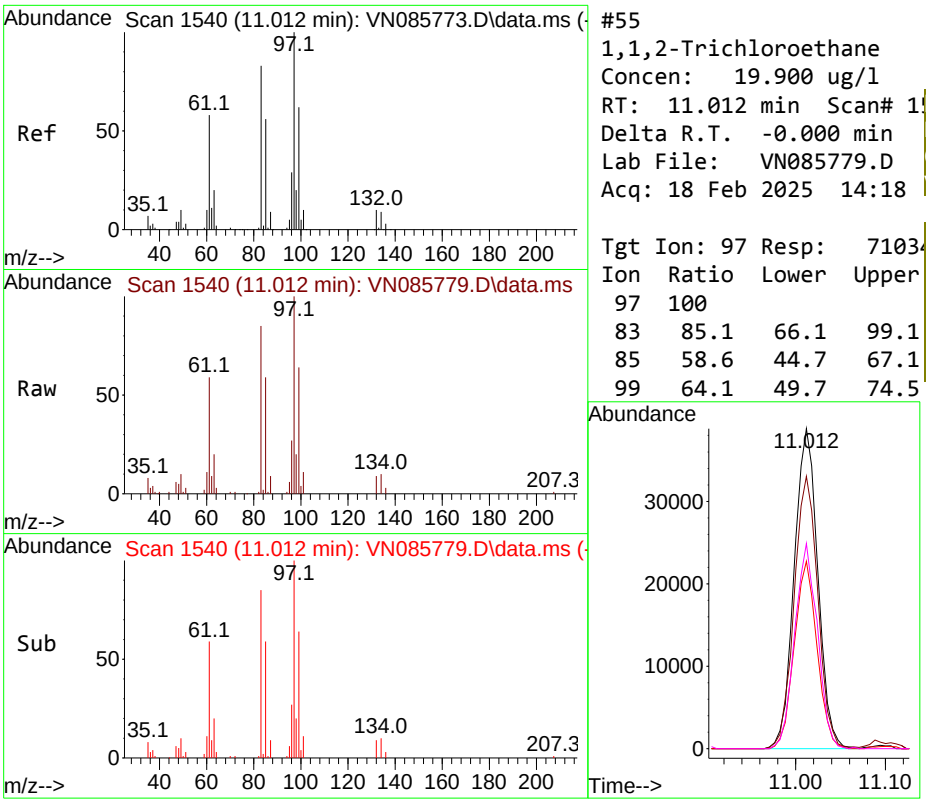


#54
cis-1,3-Dichloropropene
Concen: 20.409 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 115451

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.1	39.1
39	41.2	33.4	50.0





#55
1,1,2-Trichloroethane
Concen: 19.900 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 97 Resp: 7103

Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.1	99.1
85	58.6	44.7	67.1
99	64.1	49.7	74.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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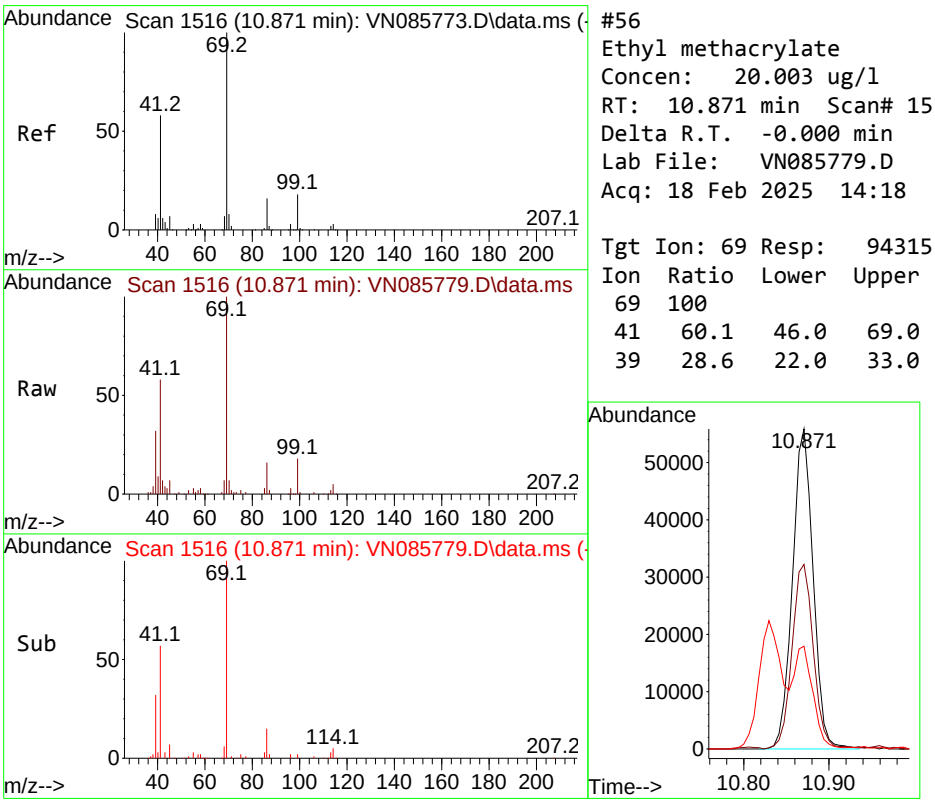
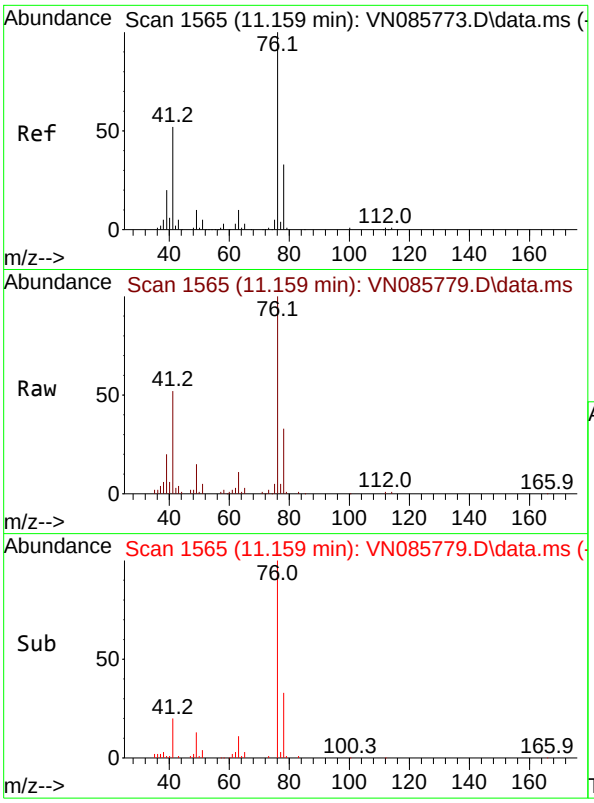


#56
Ethyl methacrylate
Concen: 20.003 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 69 Resp: 94315

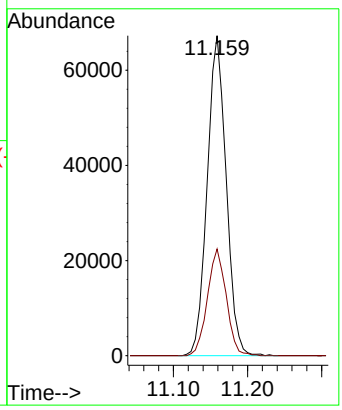
Ion	Ratio	Lower	Upper
69	100		
41	60.1	46.0	69.0
39	28.6	22.0	33.0



#57
1,3-Dichloropropane
Concen: 20.080 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 76 Resp: 11964

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.9	38.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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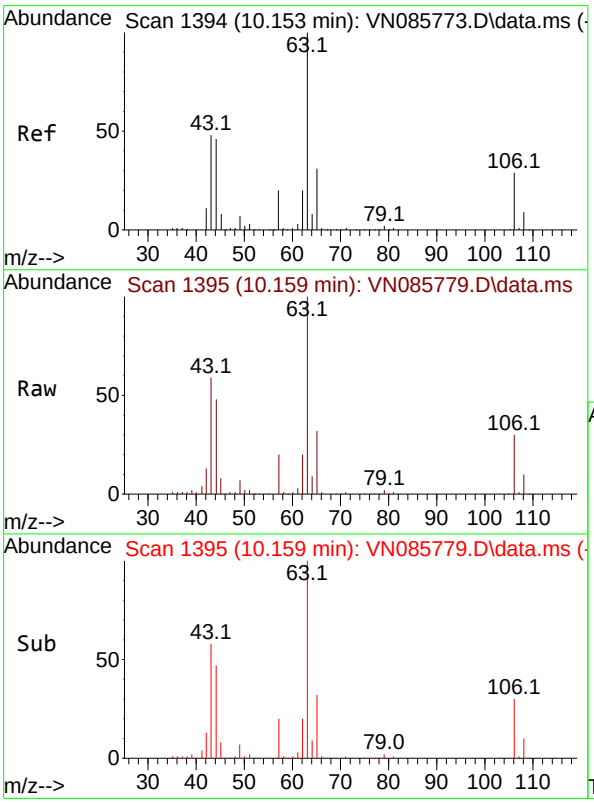
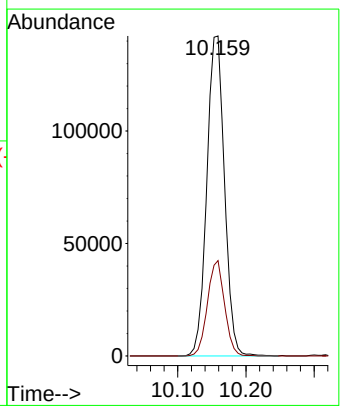
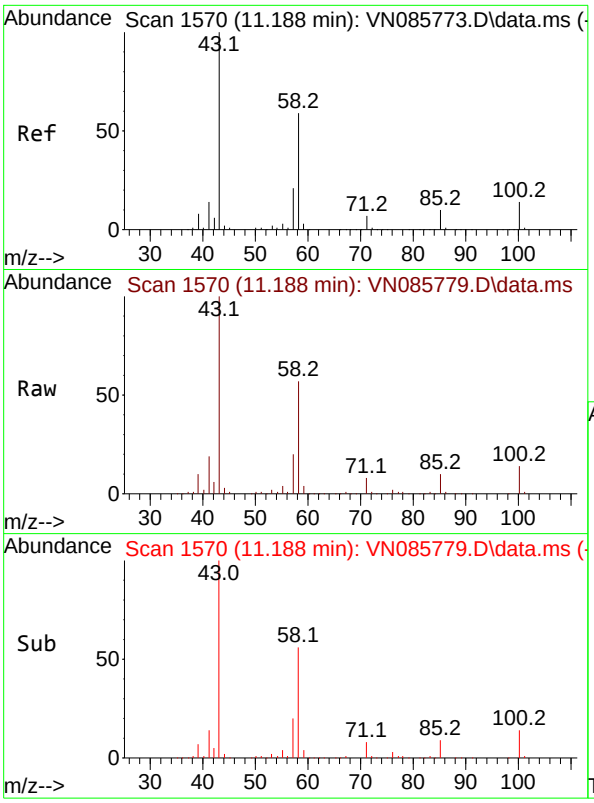


#58
2-Chloroethyl Vinyl ether
Concen: 146.107 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 63 Resp: 256540

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.7	34.1





#59
2-Hexanone
Concen: 106.794 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 27855

Ion	Ratio	Lower	Upper
43	100		
58	58.8	29.8	89.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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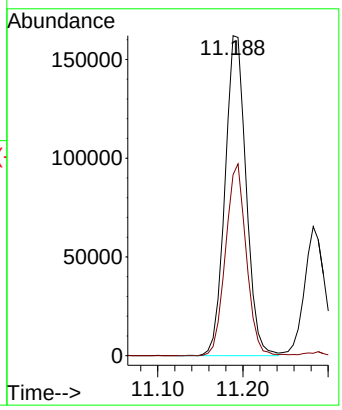
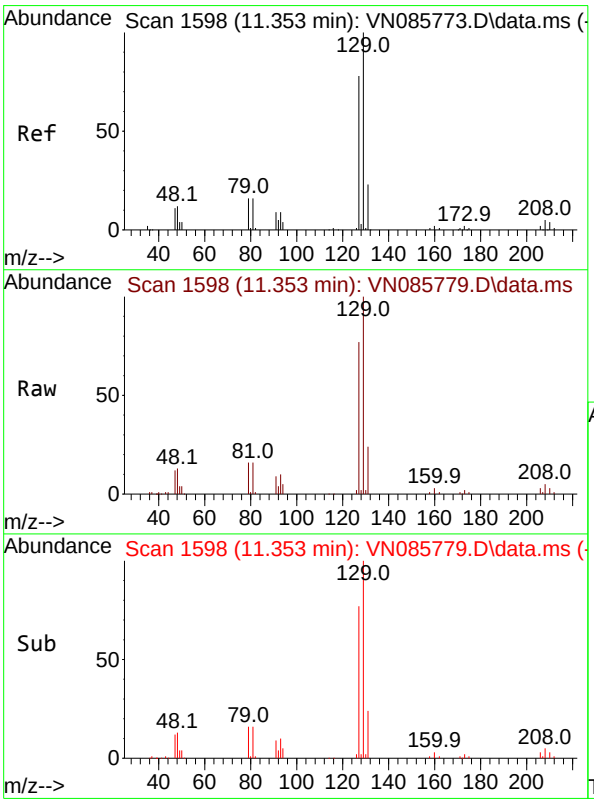
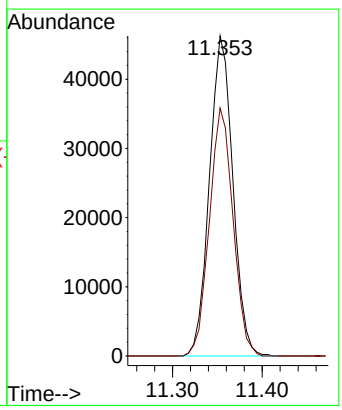


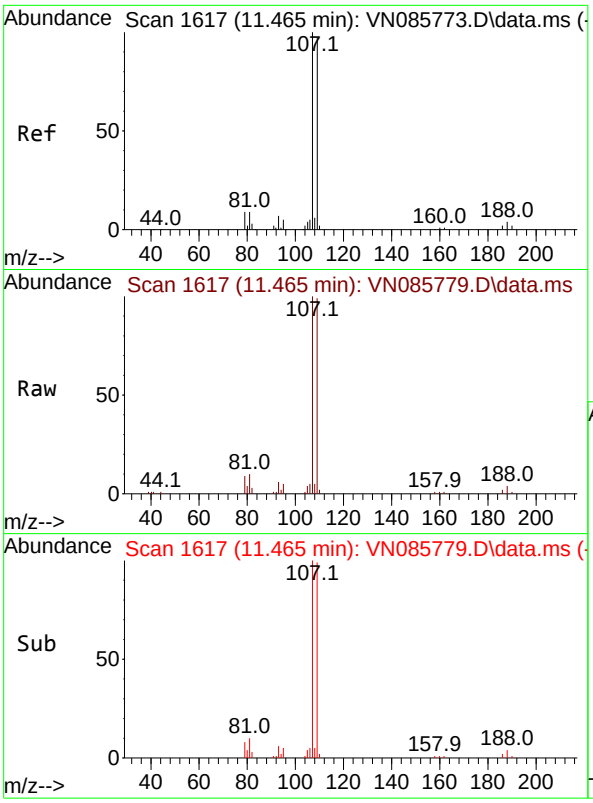


#60
Dibromochloromethane
Concen: 20.125 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:129 Resp: 83651

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.5

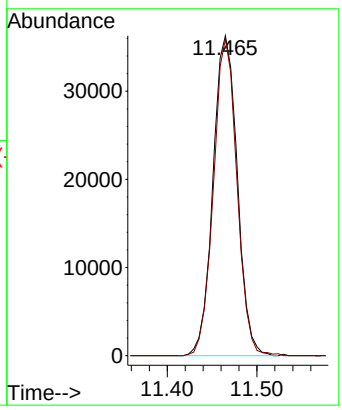




#61
1,2-Dibromoethane
Concen: 20.223 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:107 Resp: 6820

Ion	Ratio	Lower	Upper
107	100		
109	95.6	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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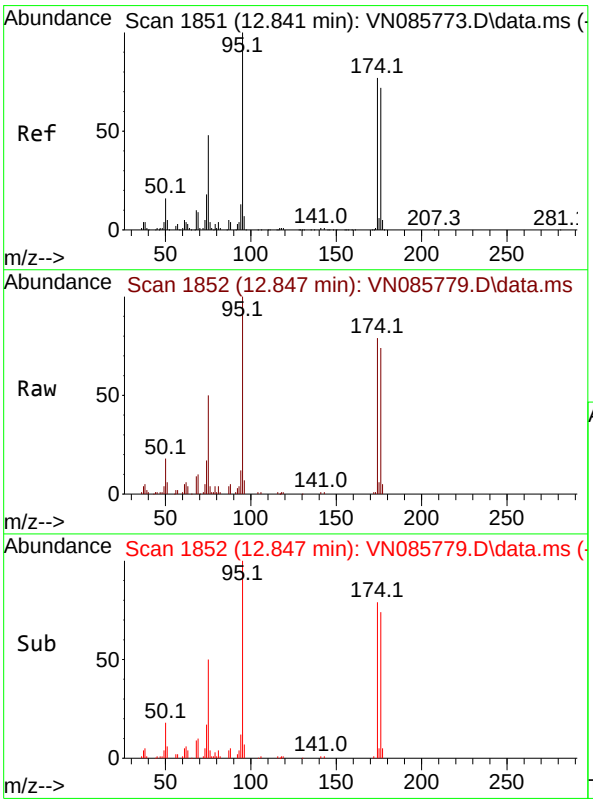
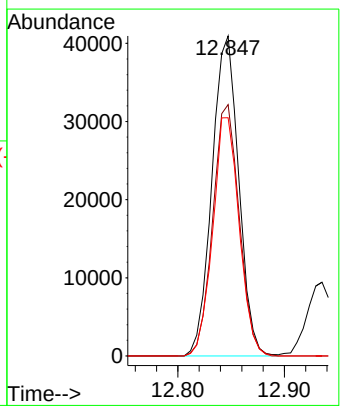
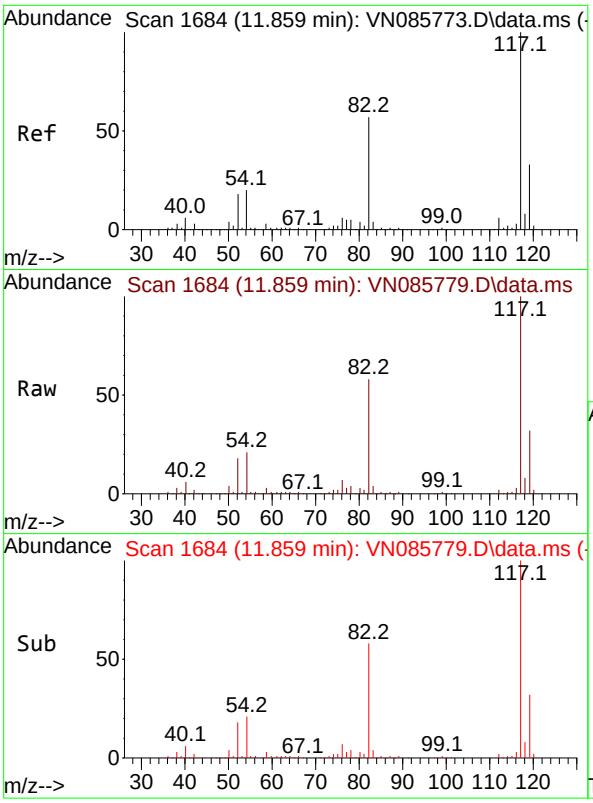


#62
4-Bromofluorobenzene
Concen: 17.627 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 95 Resp: 71343

Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	152.4
176	73.6	0.0	146.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:117 Resp: 44888

Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.7	68.5
119	32.5	26.2	39.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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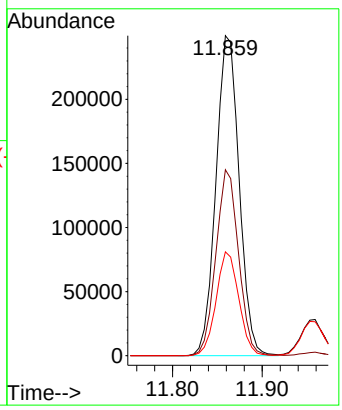
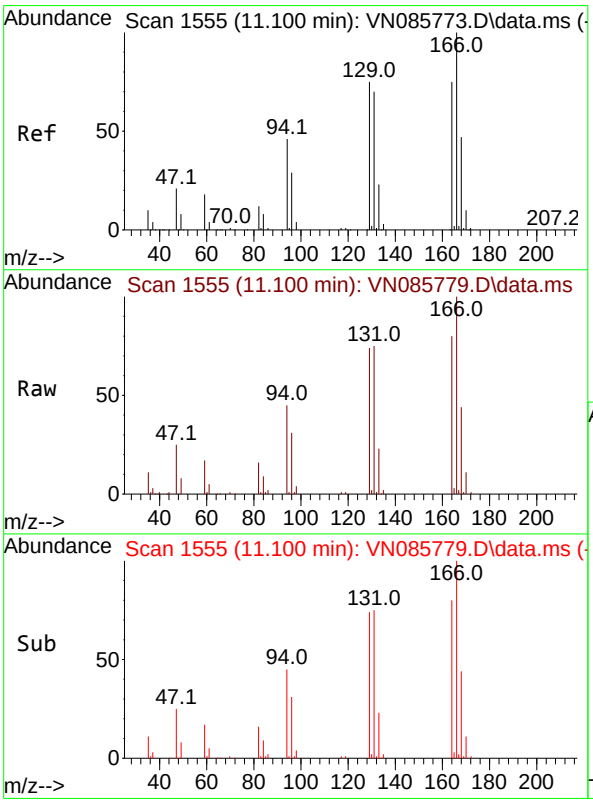
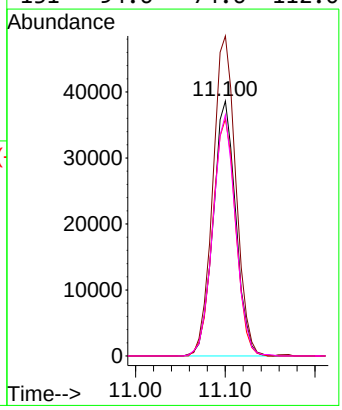


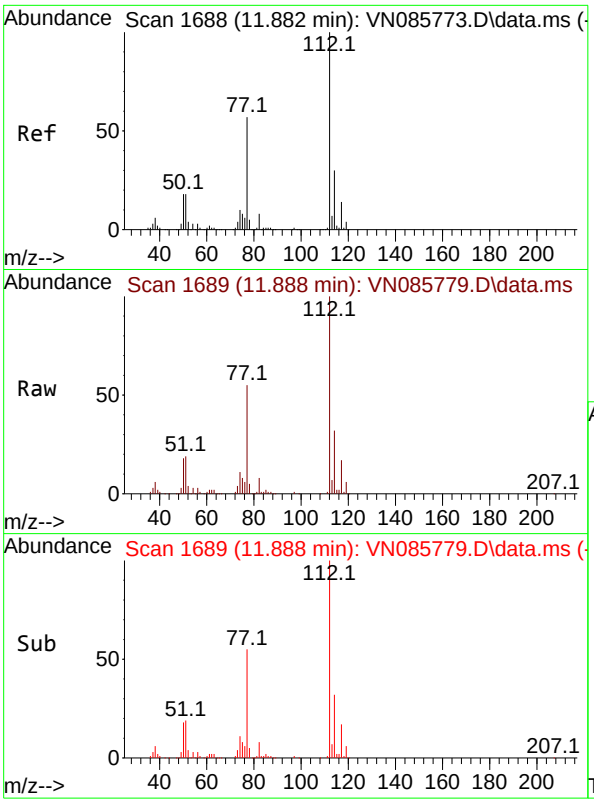


#64
Tetrachloroethene
Concen: 19.350 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:164 Resp: 67288

Ion	Ratio	Lower	Upper
164	100		
166	125.5	107.2	160.8
129	93.0	80.7	121.1
131	94.6	74.6	112.0

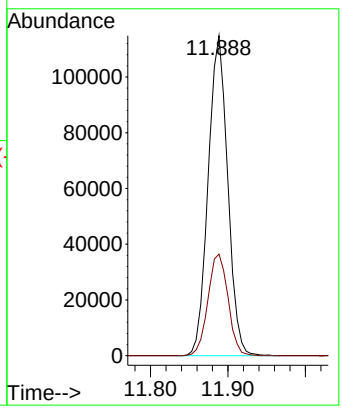




#65
Chlorobenzene
Concen: 19.535 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:112 Resp: 20088

Ion	Ratio	Lower	Upper
112	100		
114	31.8	24.3	36.5



Instrument :
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ClientSampleId :
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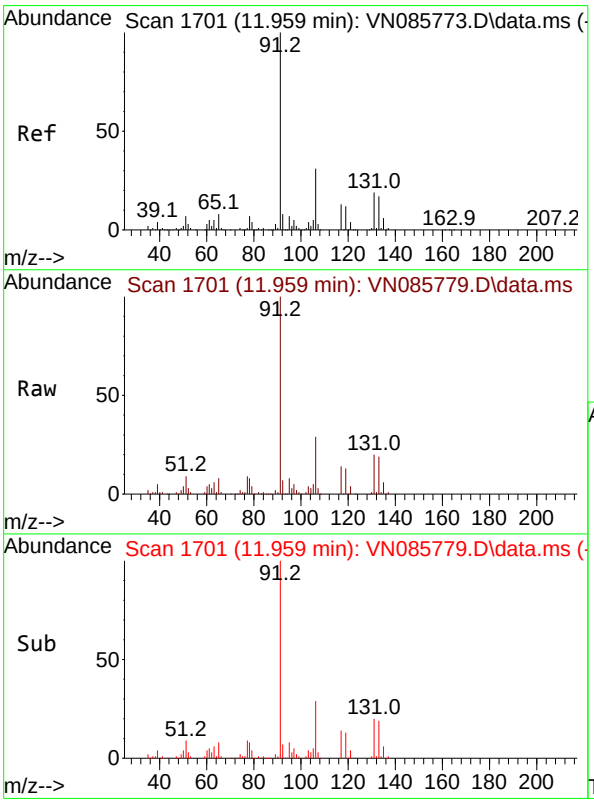
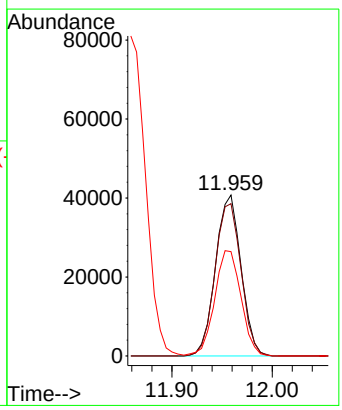
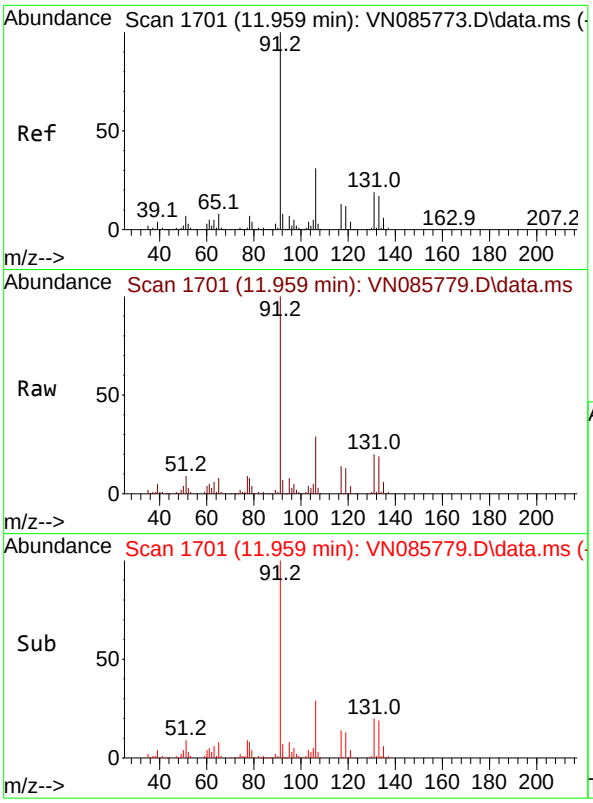


#66
1,1,1,2-Tetrachloroethane
Concen: 19.497 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:131 Resp: 72064

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.7	143.1
119	67.5	33.3	99.8

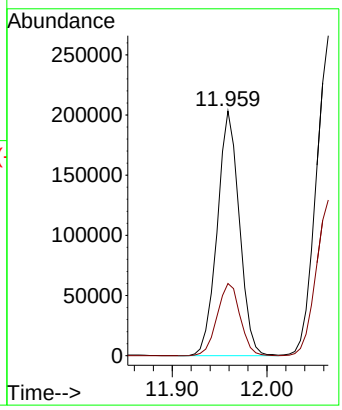




#67
Ethyl Benzene
Concen: 20.490 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 91 Resp: 33005

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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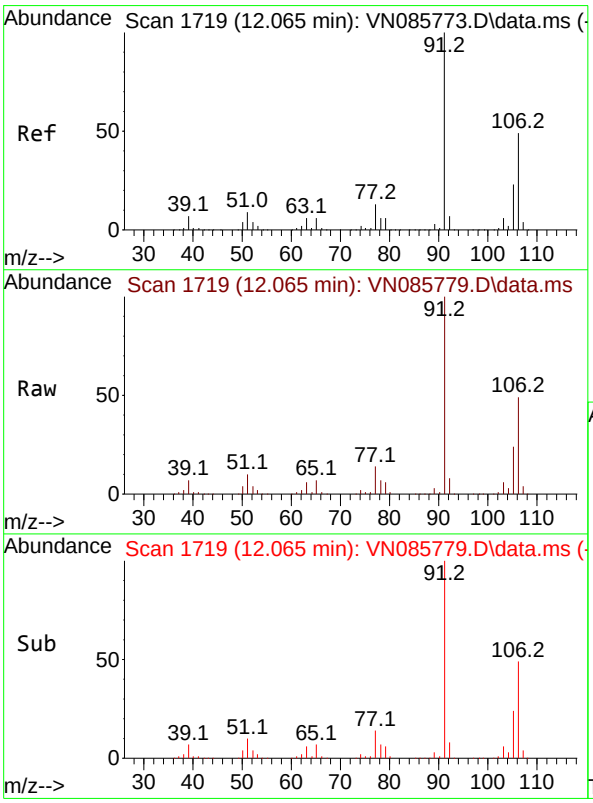
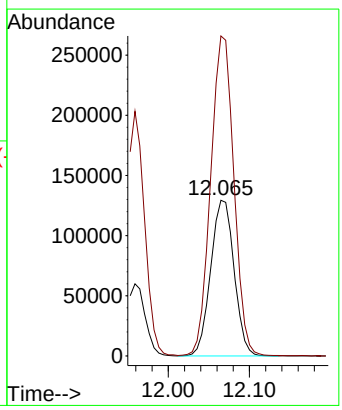
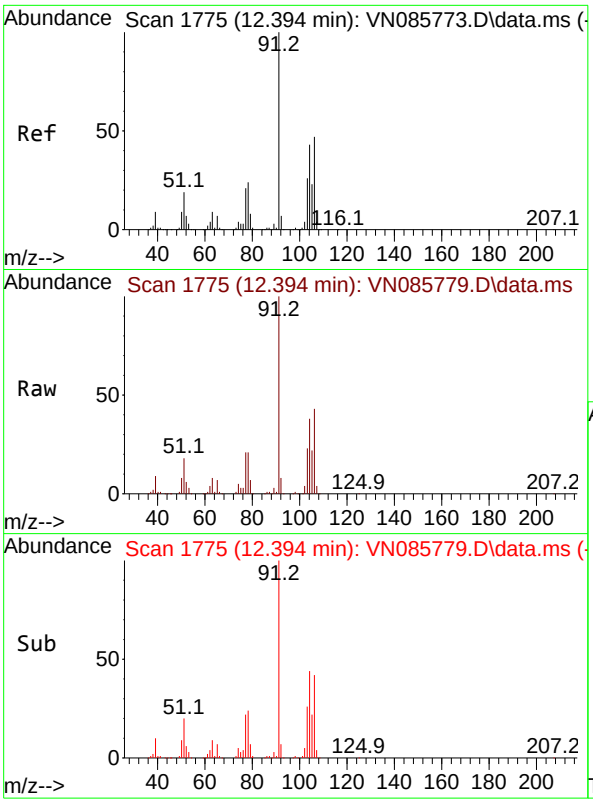


#68
m/p-Xylenes
Concen: 42.371 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:106 Resp: 259251

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.3	244.9





#69
o-Xylene
Concen: 20.345 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:106 Resp: 11829

Ion	Ratio	Lower	Upper
106	100		
91	220.6	107.1	321.4

Instrument :
MSVOA_N
ClientSampleId :
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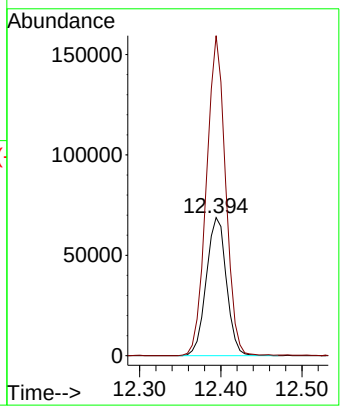
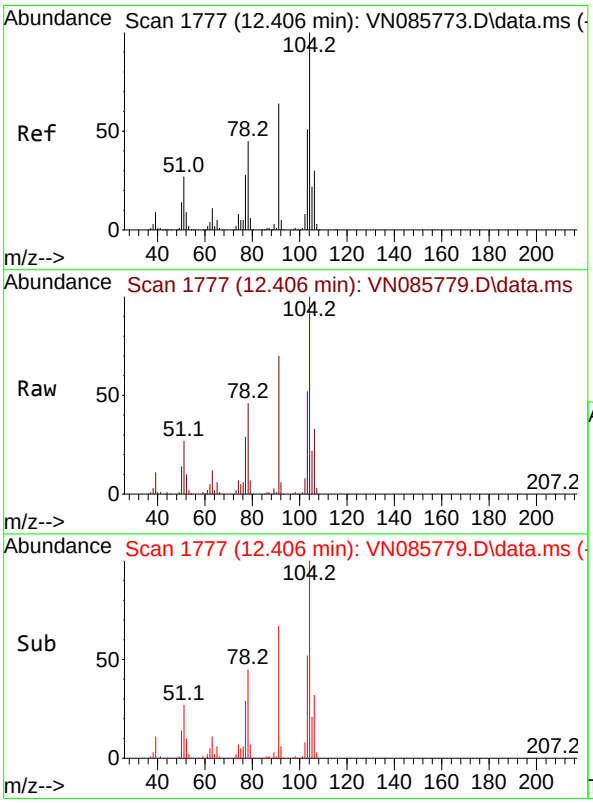
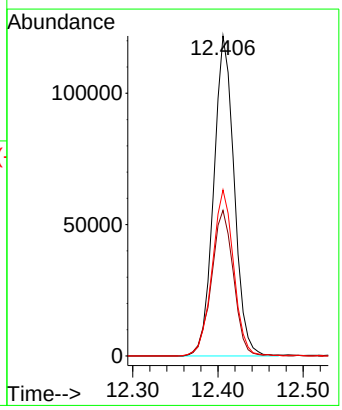


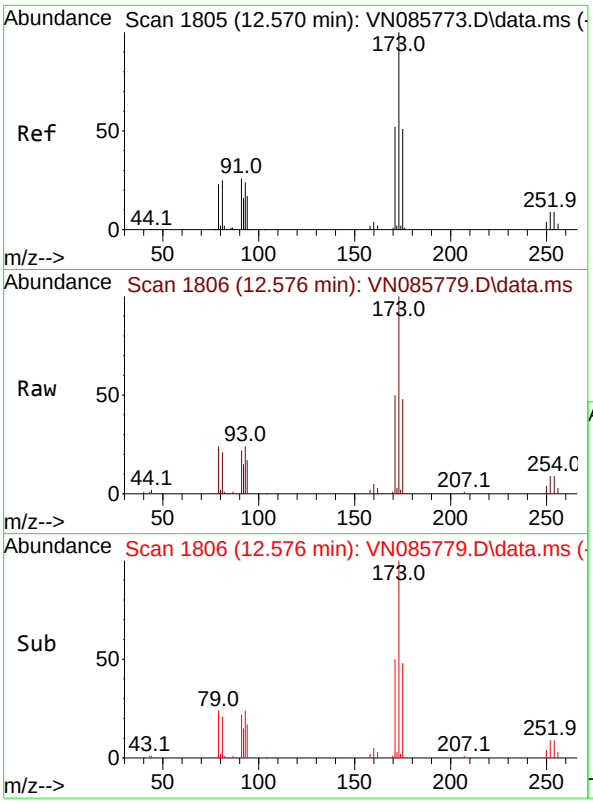


#70
Styrene
Concen: 20.270 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:104 Resp: 203369

Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.0	58.6
103	54.5	43.3	64.9





#71
Bromoform
Concen: 20.214 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 5551

Ion	Ratio	Lower	Upper
173	100		
175	47.8	25.1	75.4
254	0.0	0.0	0.0

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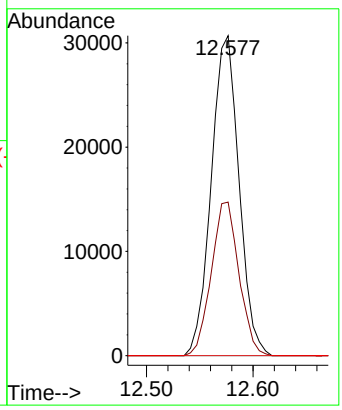
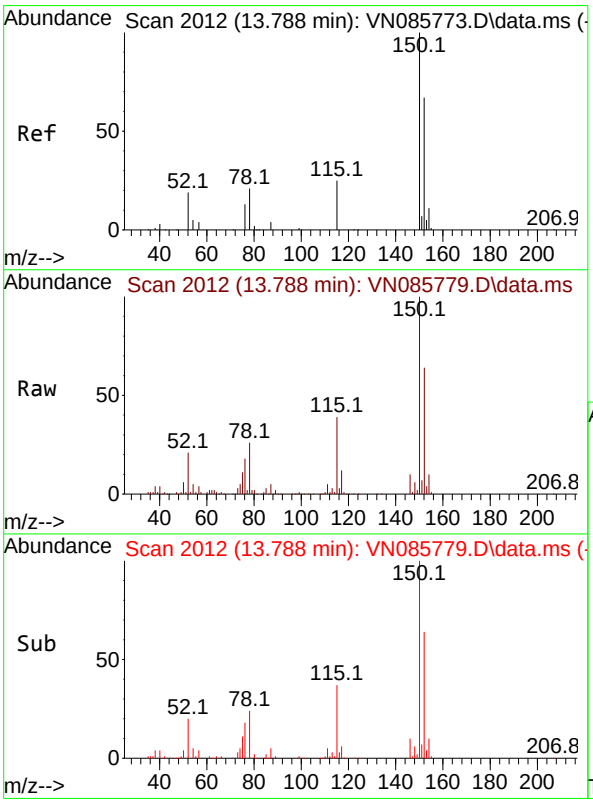
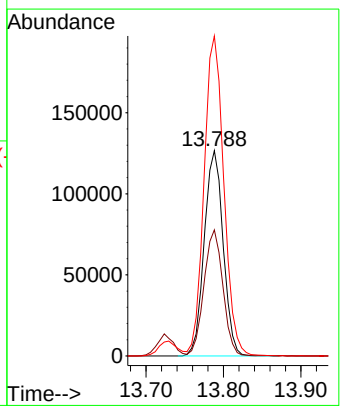


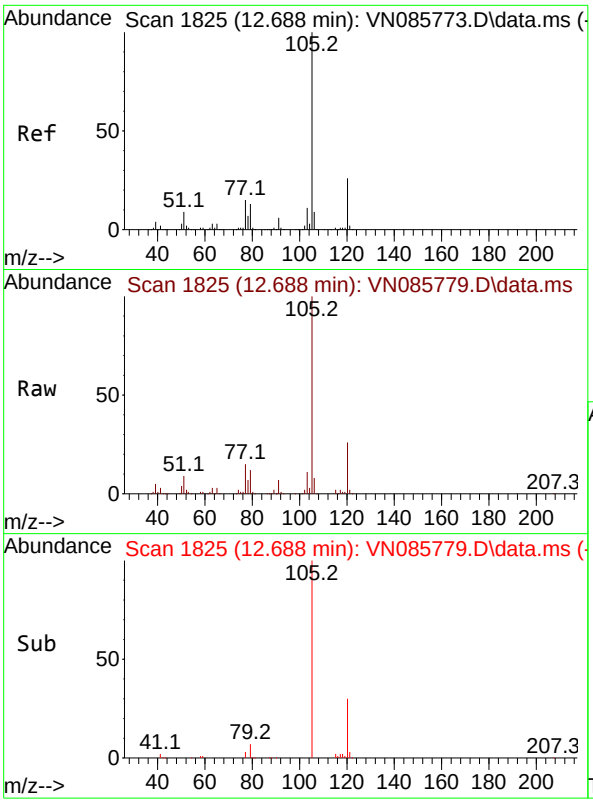


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:152 Resp: 214863

Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.4	91.3
150	162.5	0.0	345.4





#73
Isopropylbenzene
Concen: 20.339 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:105 Resp: 29939

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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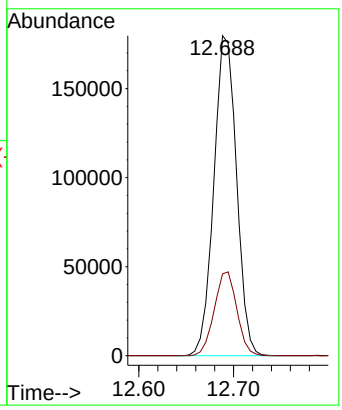
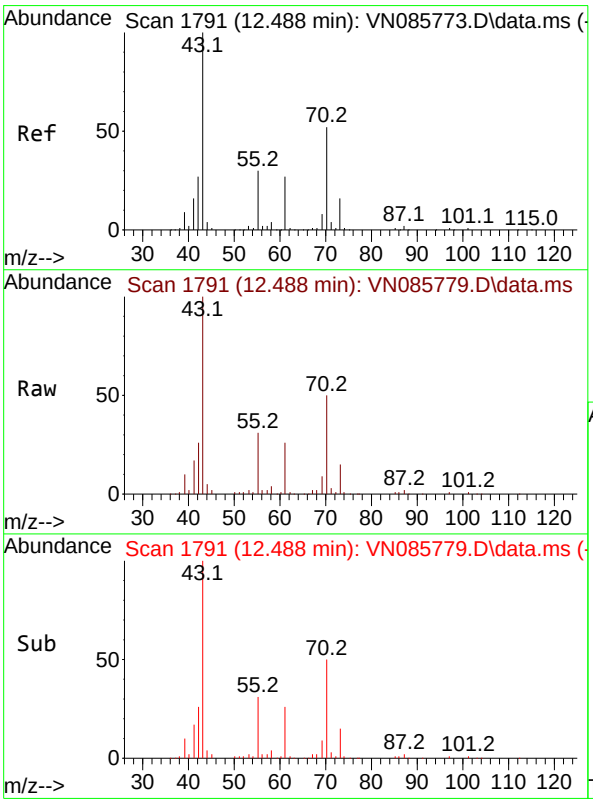
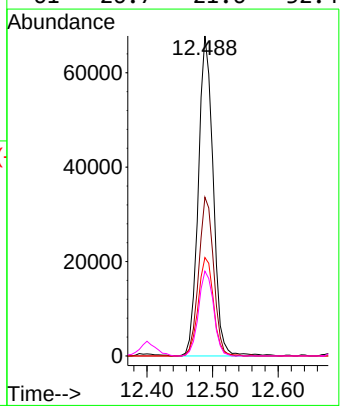


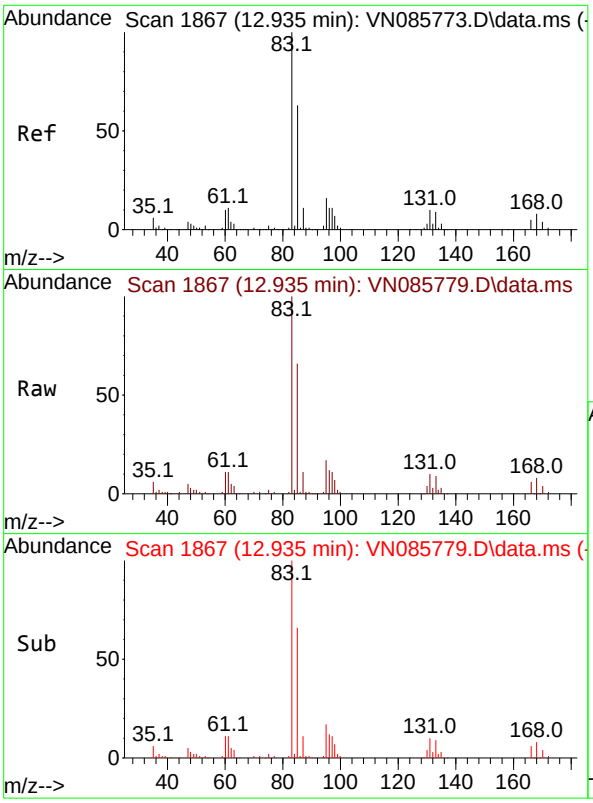


#74
N-amyl acetate
Concen: 20.608 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 106973

Ion	Ratio	Lower	Upper
43	100		
70	49.5	41.0	61.4
55	31.5	24.6	36.8
61	26.7	21.6	32.4

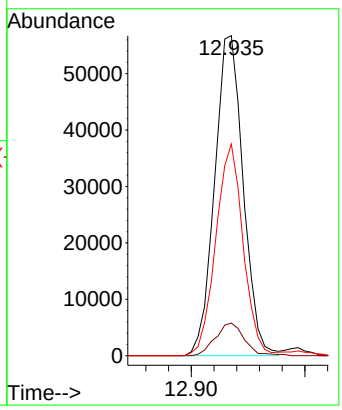




#75
1,1,2,2-Tetrachloroethane
Concen: 19.579 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 83 Resp: 9917

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	63.2	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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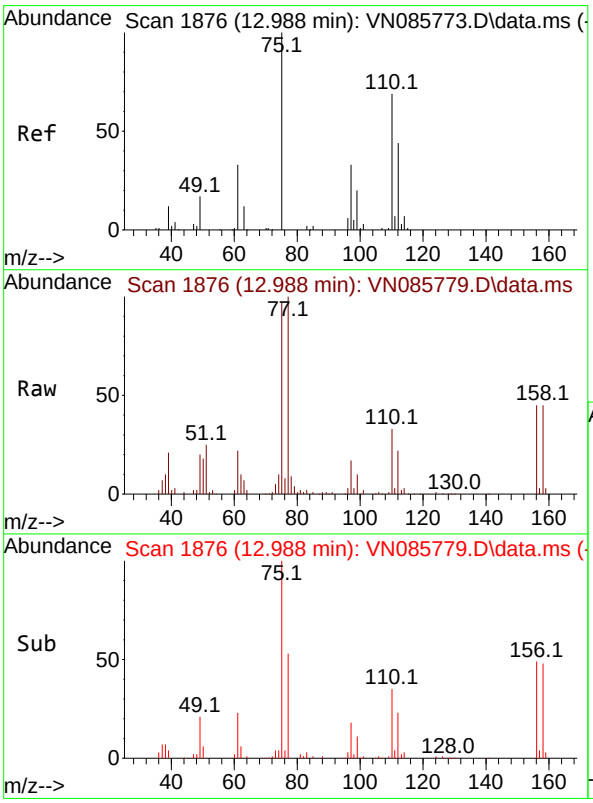
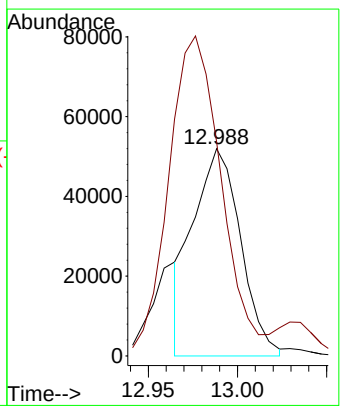
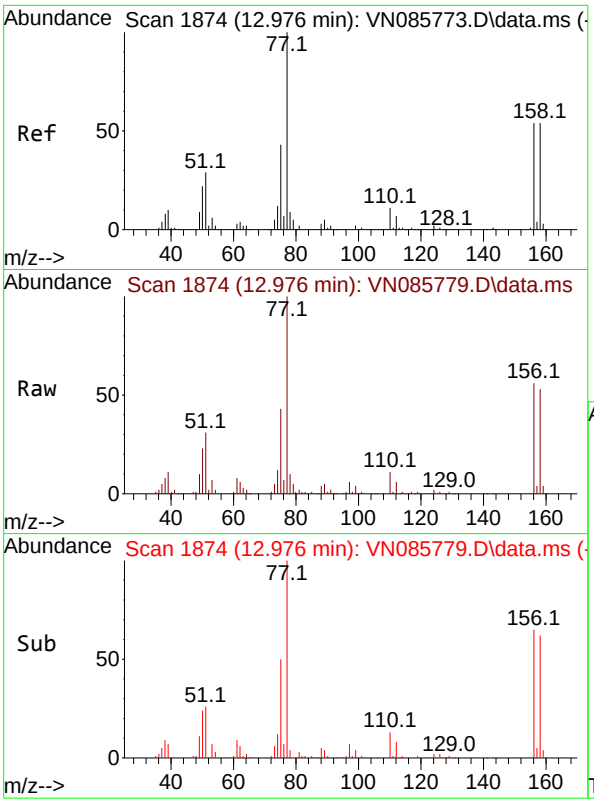


#76
1,2,3-Trichloropropane
Concen: 20.431 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 96439

Ion	Ratio	Lower	Upper
75	100		
77	171.8	100.0	300.0

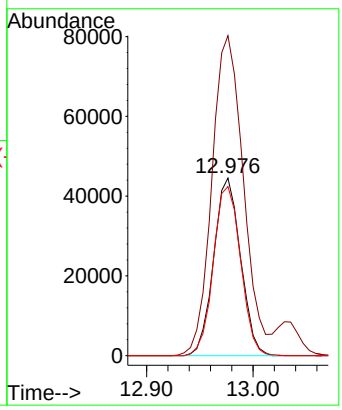




#77
Bromobenzene
Concen: 19.630 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:156 Resp: 7806

Ion	Ratio	Lower	Upper
156	100		
77	212.2	104.1	312.3
158	96.5	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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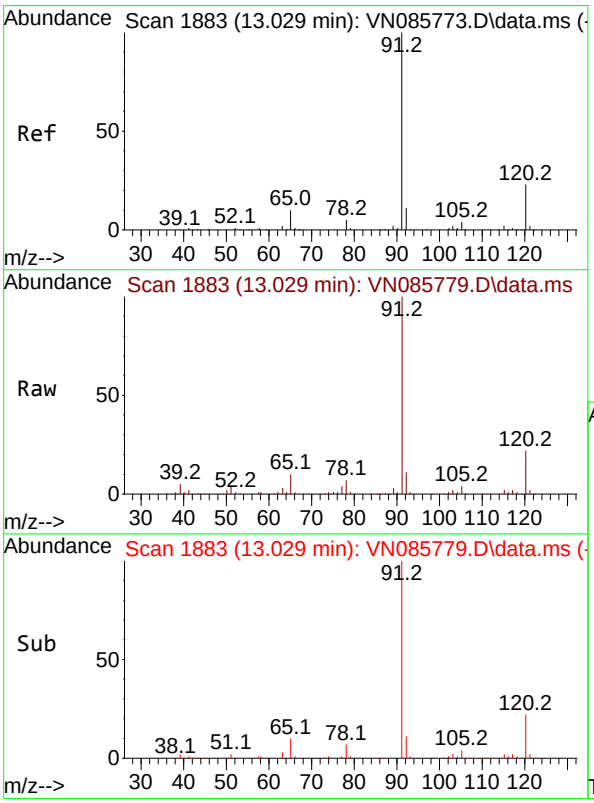
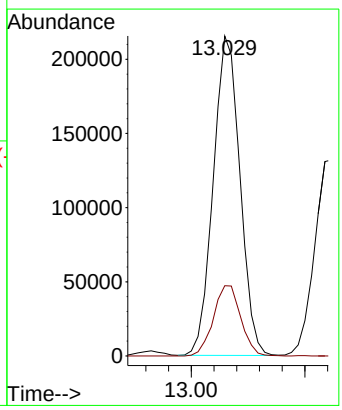
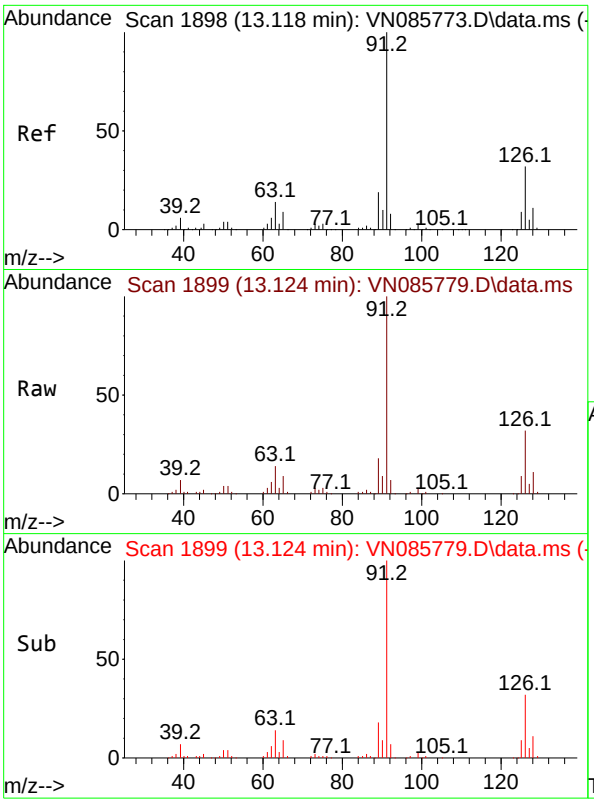


#78
n-propylbenzene
Concen: 20.852 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 91 Resp: 351518

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8

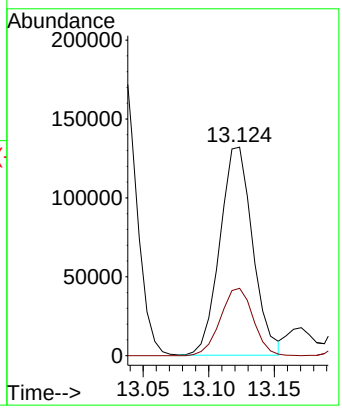




#79
2-Chlorotoluene
Concen: 20.458 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 91 Resp: 23043

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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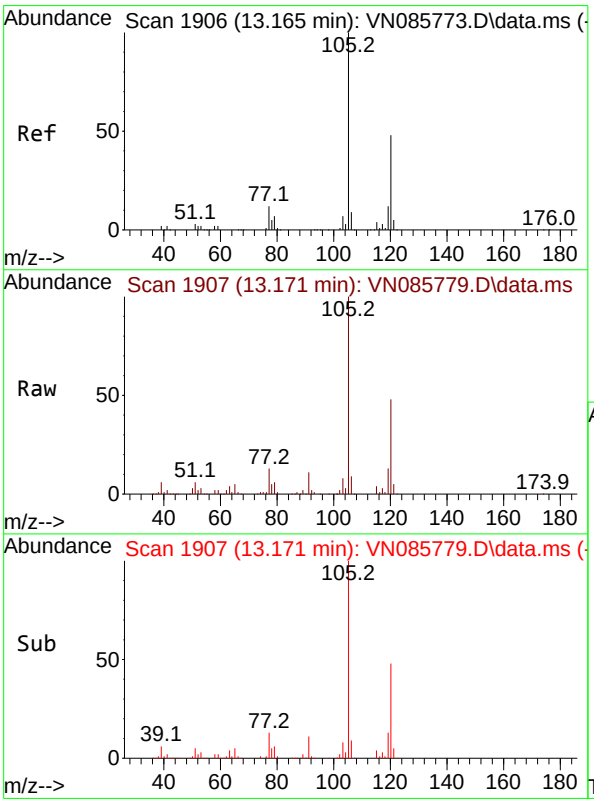
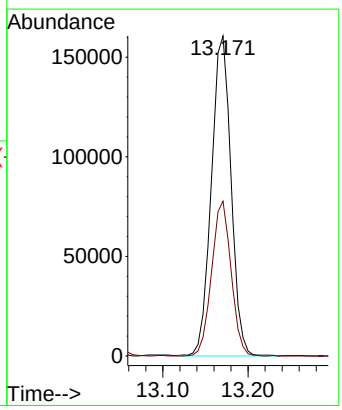
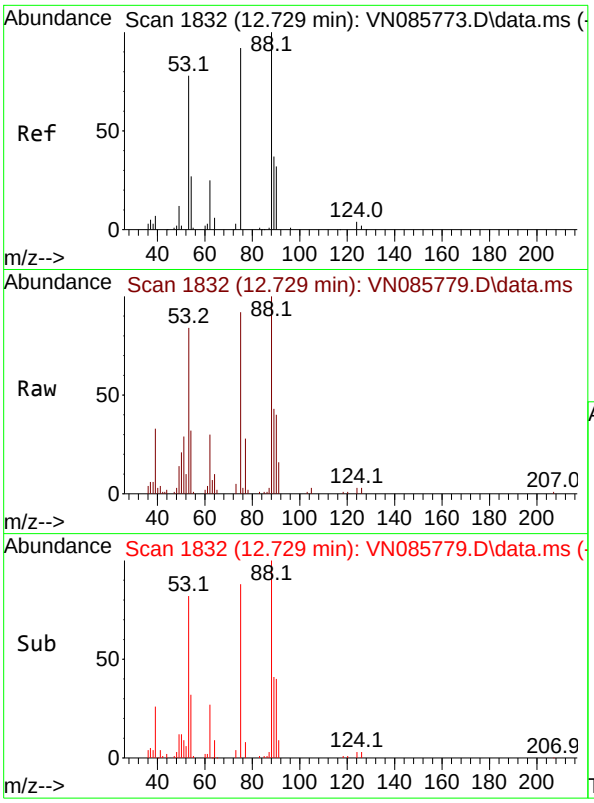


#80
1,3,5-Trimethylbenzene
Concen: 21.534 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:105 Resp: 258212

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 19.267 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 3151

Ion	Ratio	Lower	Upper
75	100		
53	102.2	74.2	111.4
89	46.3	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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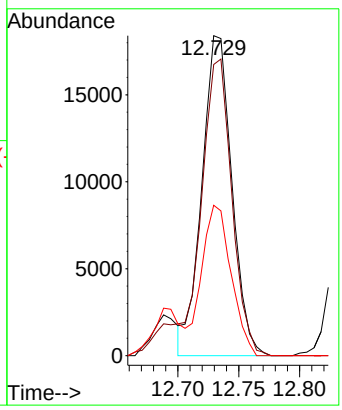
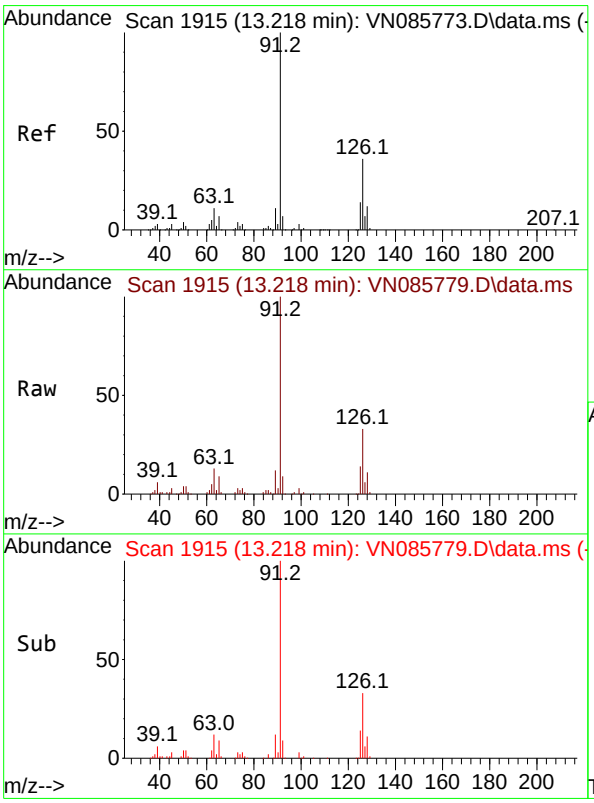
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

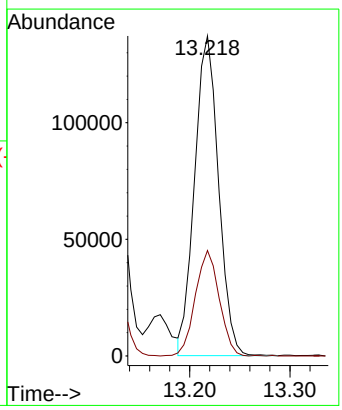


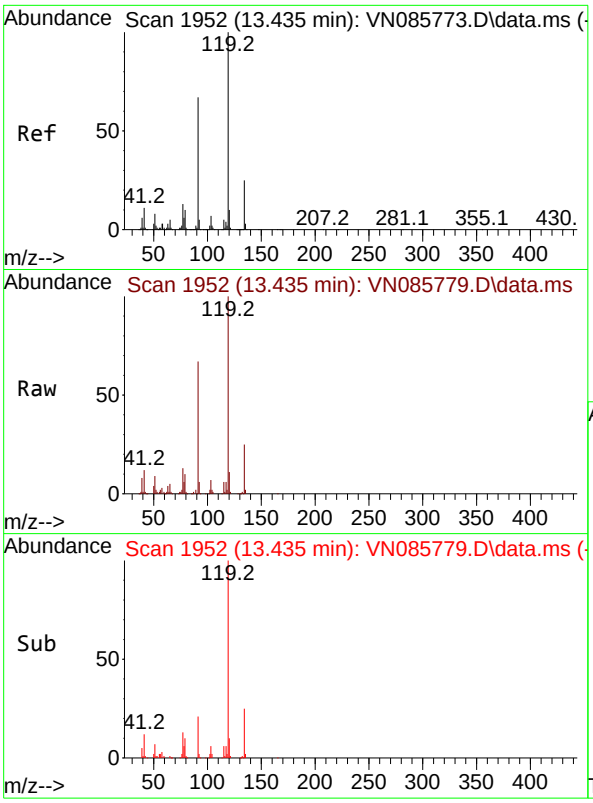


#82
4-Chlorotoluene
Concen: 20.345 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 91 Resp: 227177

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4





#83
tert-Butylbenzene
Concen: 20.637 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:119 Resp: 20809

Ion	Ratio	Lower	Upper
119	100		
91	67.6	32.5	97.5
134	27.0	13.3	39.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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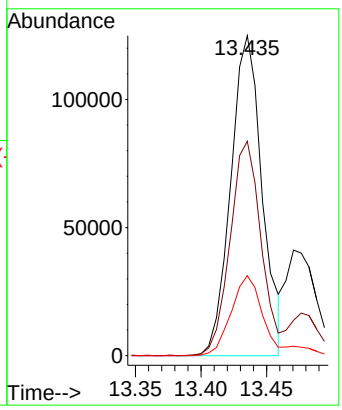
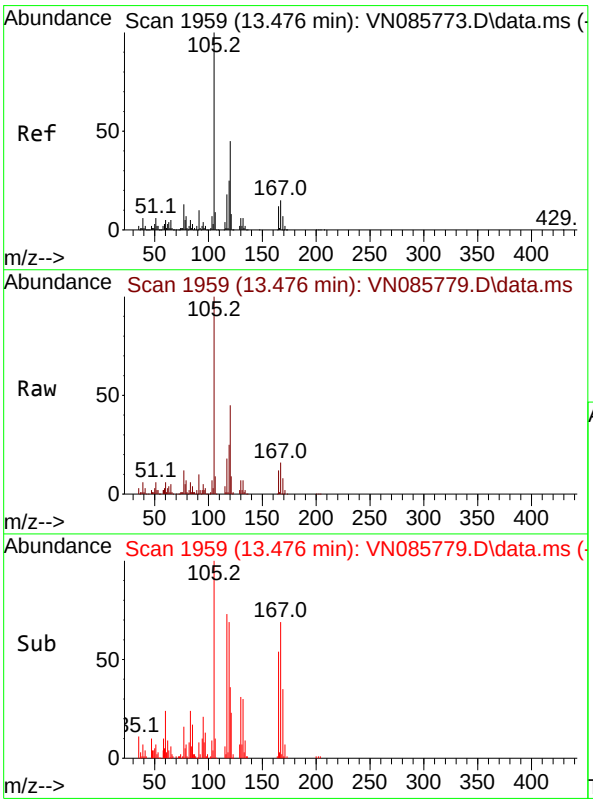
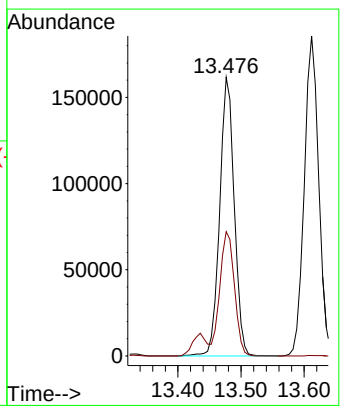


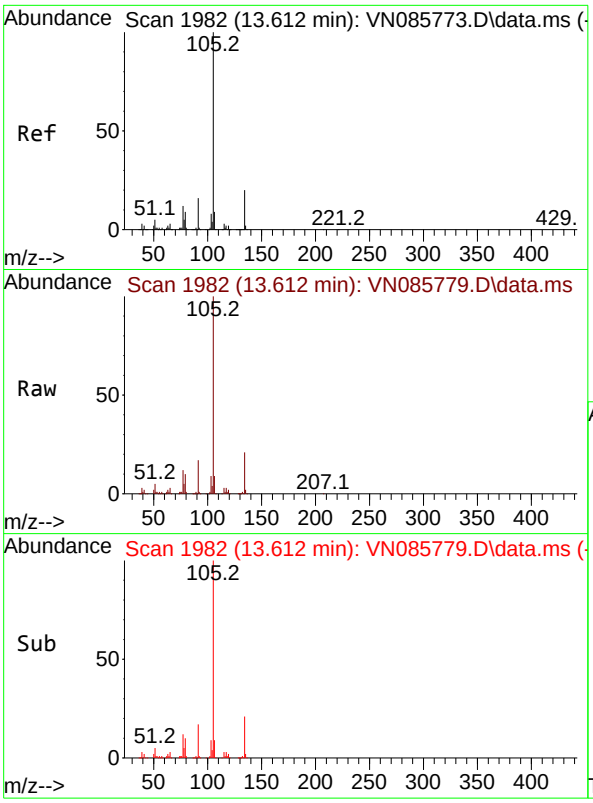


#84
1,2,4-Trimethylbenzene
Concen: 21.863 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:105 Resp: 259373

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3

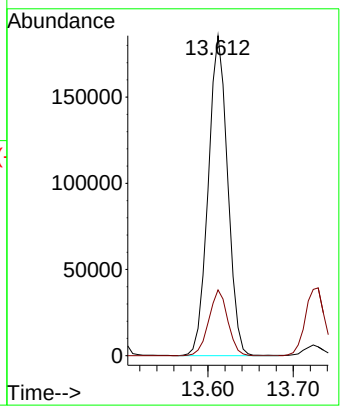




#85
sec-Butylbenzene
Concen: 20.612 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:105 Resp: 29365

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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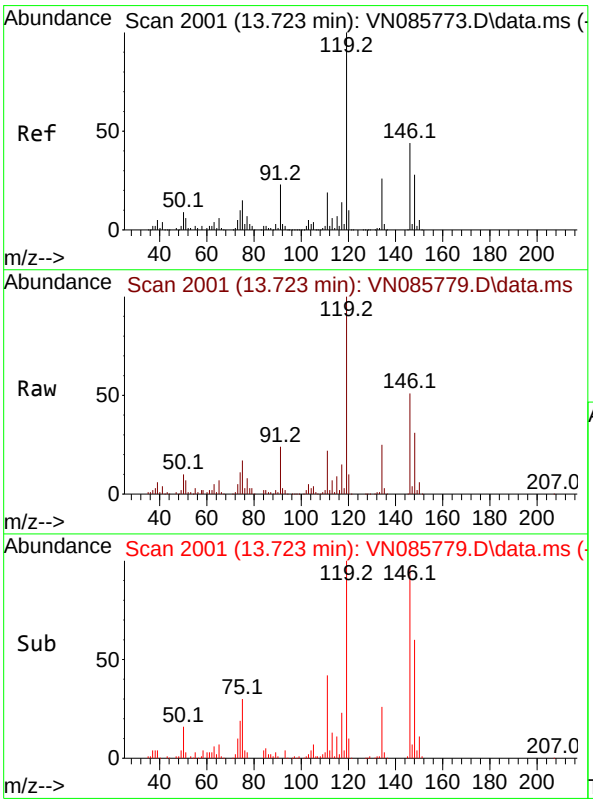
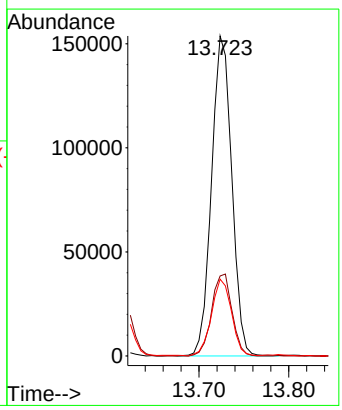
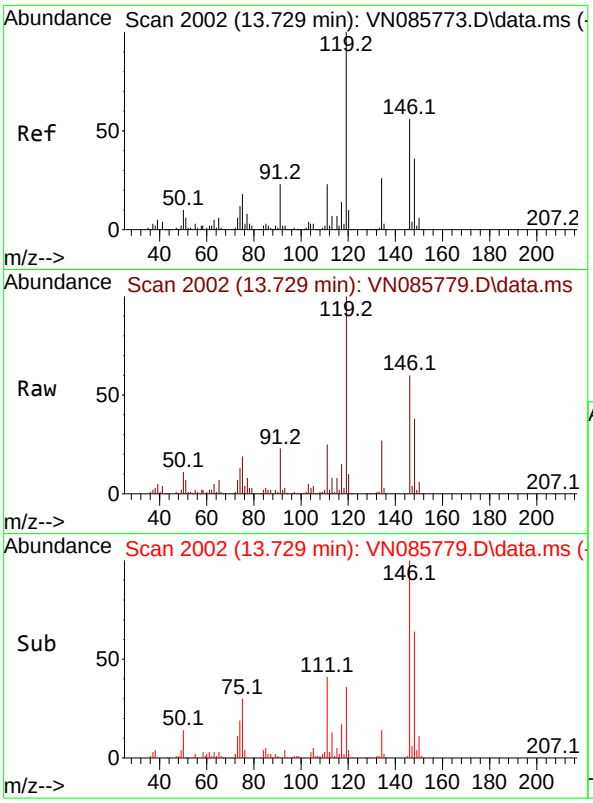


#86
p-Isopropyltoluene
Concen: 19.772 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:119 Resp: 240984

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	23.8	11.7	35.1

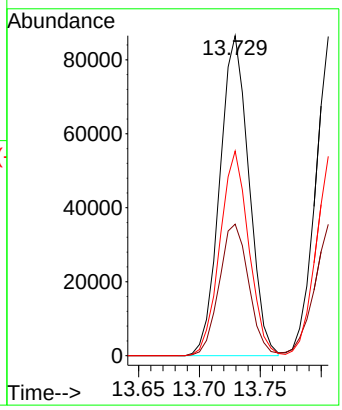




#87
1,3-Dichlorobenzene
Concen: 19.318 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:146 Resp: 14393

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	63.3	32.1	96.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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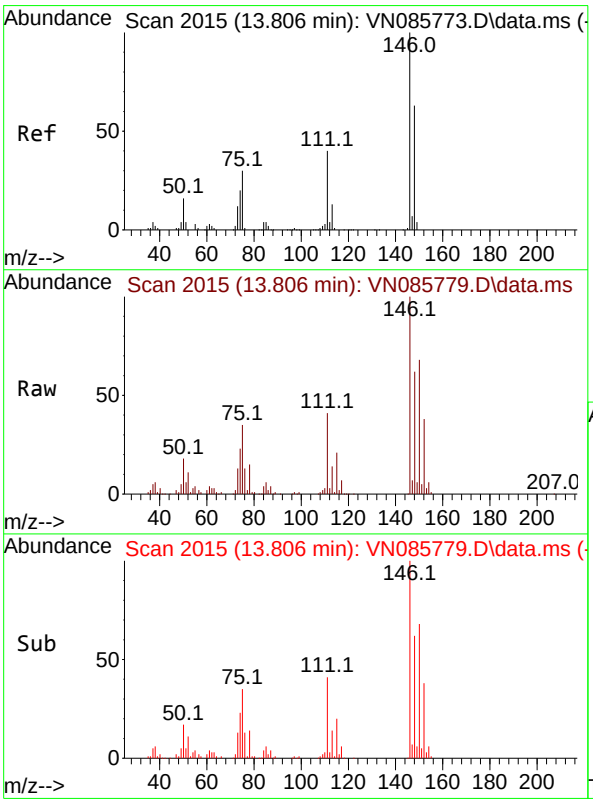
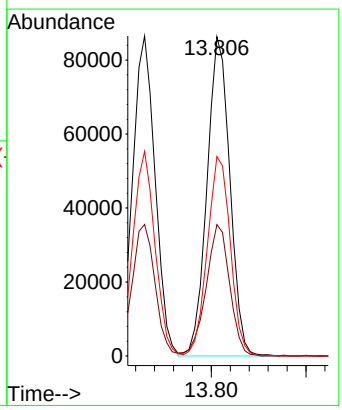
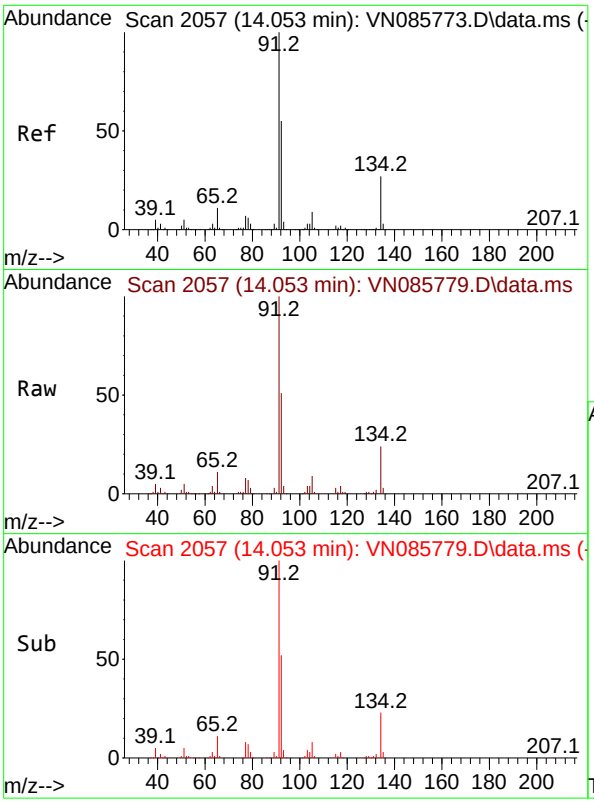


#88
1,4-Dichlorobenzene
Concen: 18.954 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:146 Resp: 144744

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.4	61.3
148	63.0	31.8	95.4

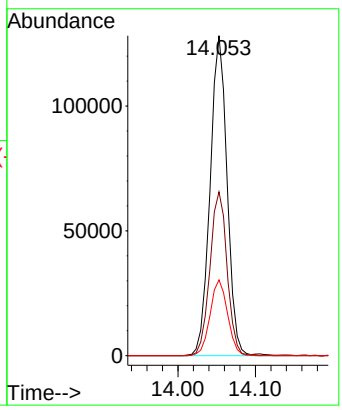




#89
n-Butylbenzene
Concen: 19.300 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 91 Resp: 19522

Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.1	81.3
134	24.4	12.7	38.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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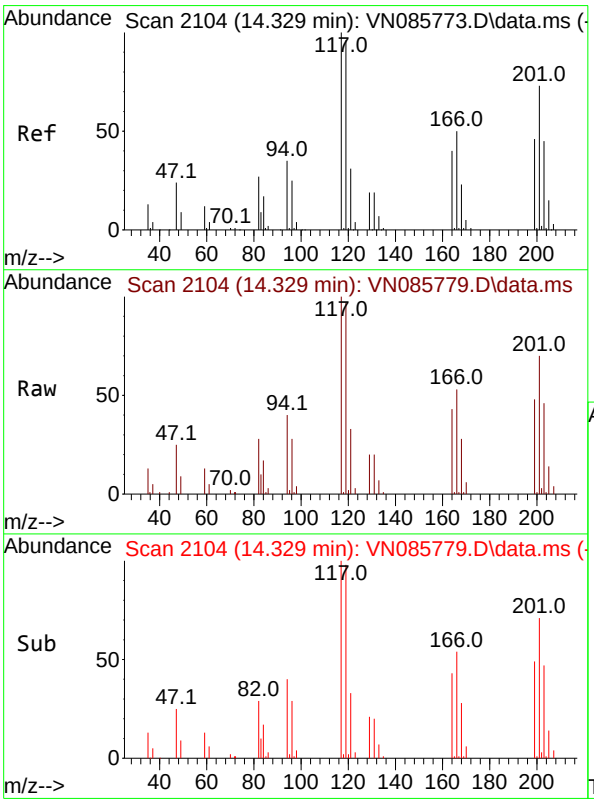
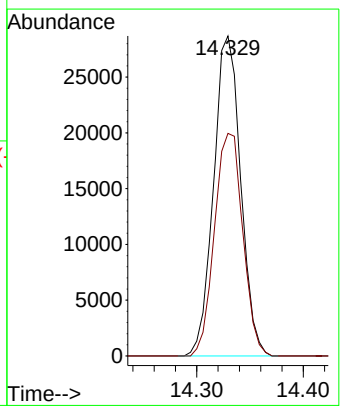
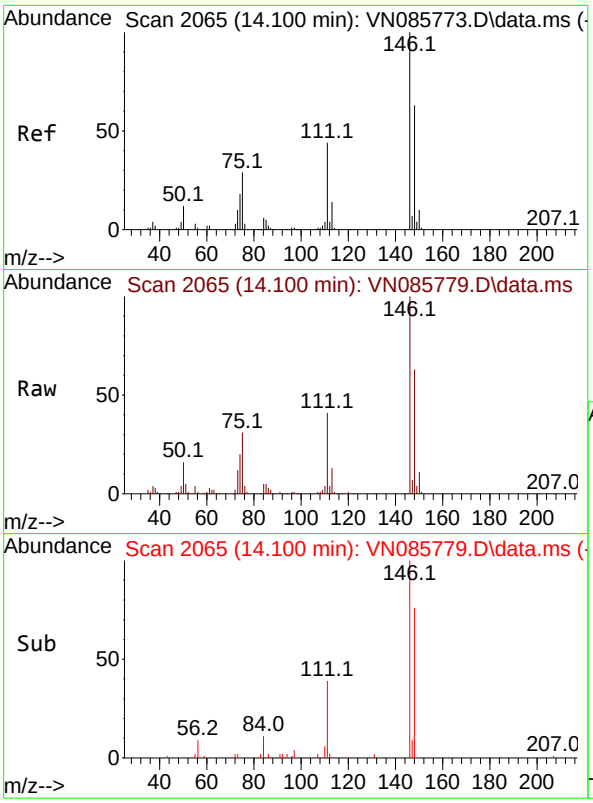


#90
Hexachloroethane
Concen: 18.753 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:117 Resp: 50599

Ion	Ratio	Lower	Upper
117	100		
201	72.8	35.6	106.9

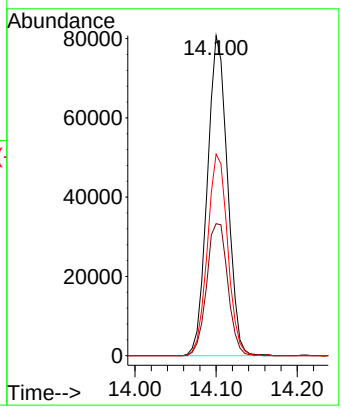




#91
1,2-Dichlorobenzene
Concen: 19.390 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:146 Resp: 13893

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	63.3	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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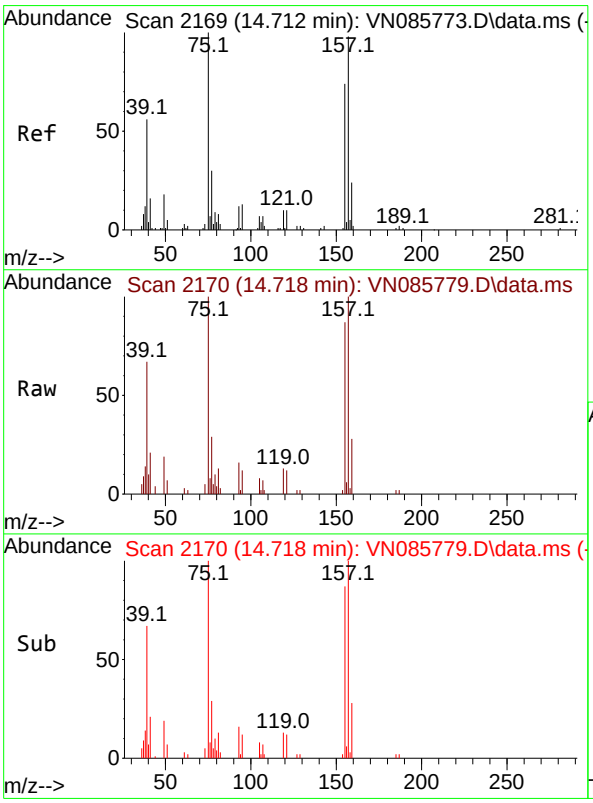
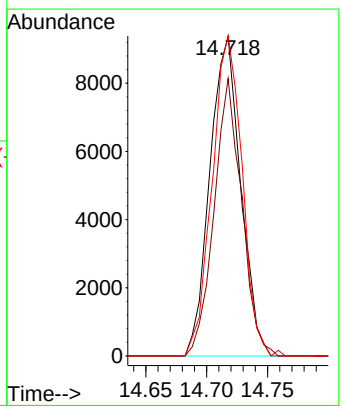
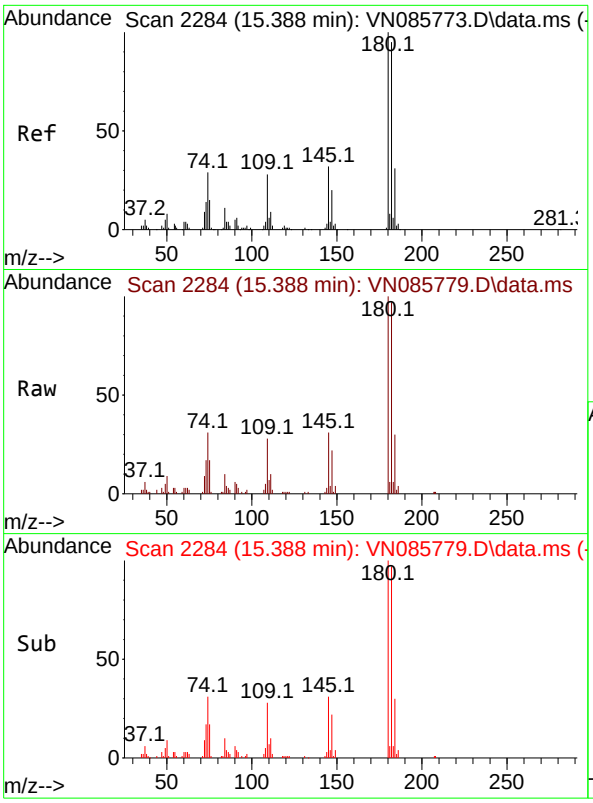


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.639 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 16407

Ion	Ratio	Lower	Upper
75	100		
155	78.2	39.9	119.6
157	98.0	49.9	149.7

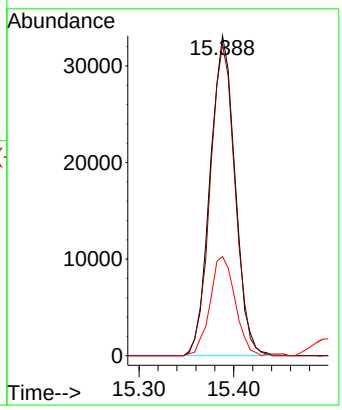




#93
1,2,4-Trichlorobenzene
Concen: 17.726 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:180 Resp: 6052

Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	141.9
145	31.3	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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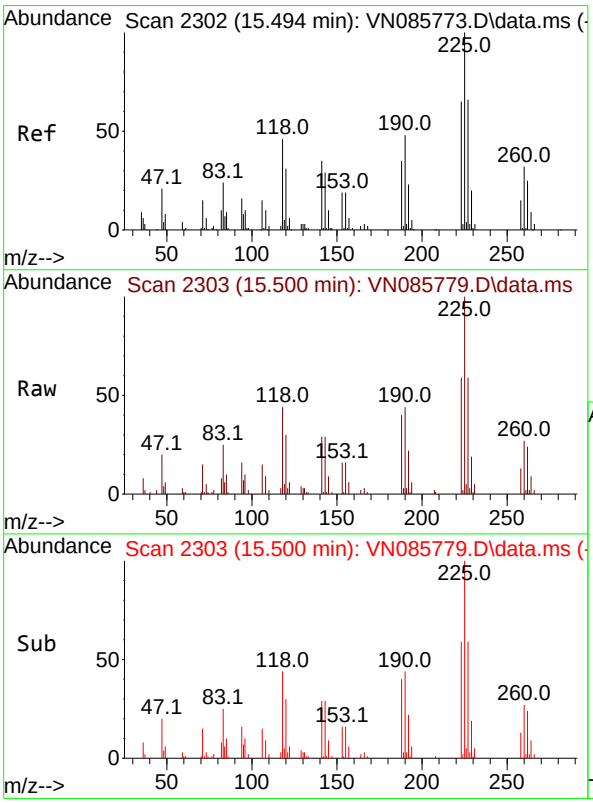
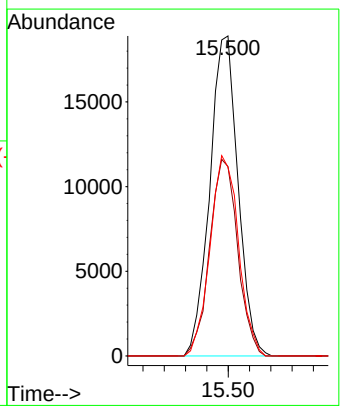
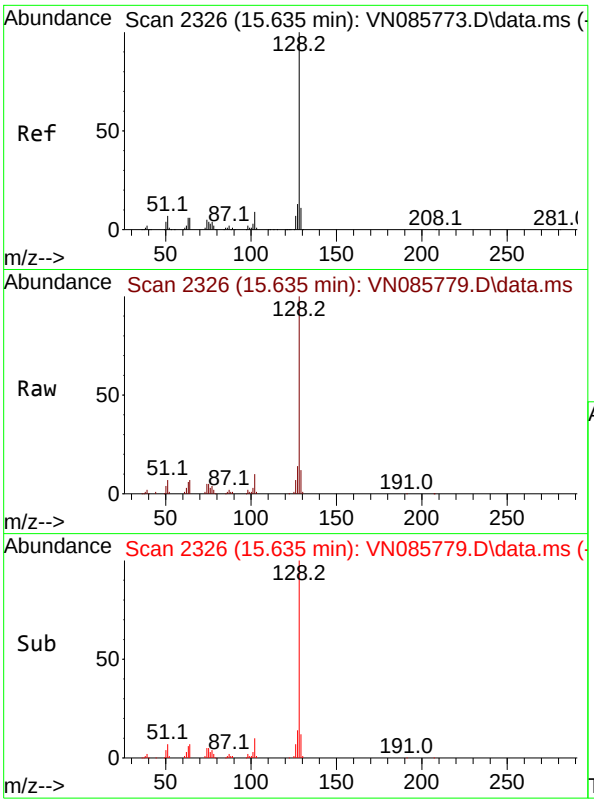


#94
Hexachlorobutadiene
Concen: 16.763 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:225 Resp: 34783

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.9	95.5
227	63.1	32.2	96.6

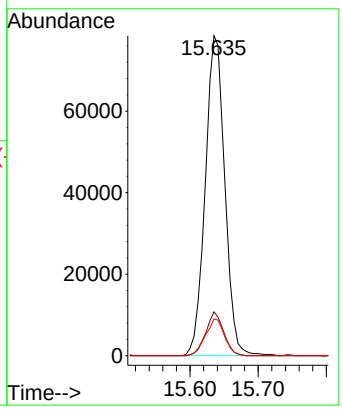




#95
Naphthalene
Concen: 16.700 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:128 Resp: 15653

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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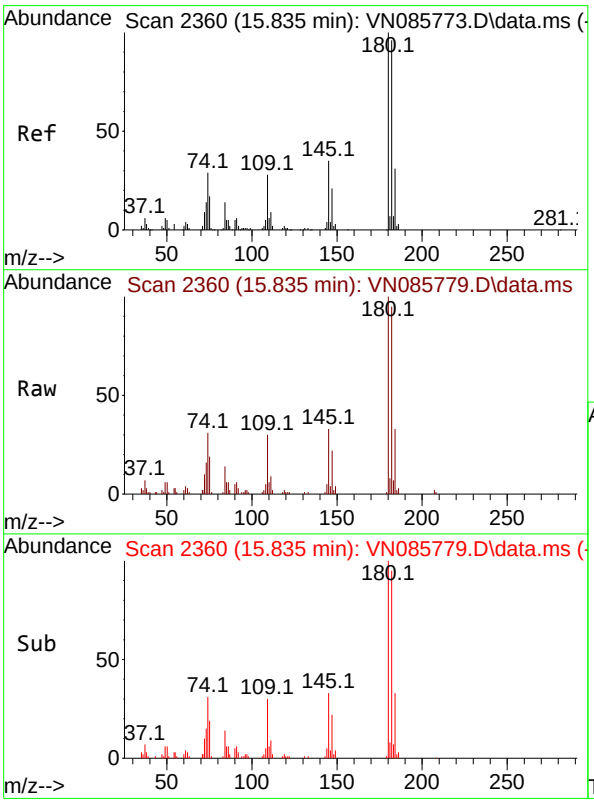
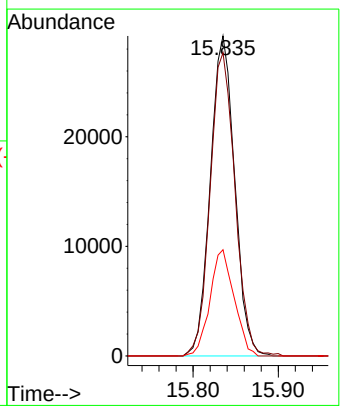


#96
1,2,3-Trichlorobenzene
Concen: 16.921 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:180 Resp: 57998

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	32.9	16.9	50.6



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Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	314015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	510764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	456487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	222696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	204064	50.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.260%			
35) Dibromofluoromethane	8.165	113	170358	50.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	10.559	98	651463	53.575	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.841	95	227023	56.665	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	193054	45.199	ug/l	98
3) Chloromethane	2.359	50	181889	42.438	ug/l	98
4) Vinyl Chloride	2.512	62	197171	43.449	ug/l	97
5) Bromomethane	2.953	94	119789	41.282	ug/l	95
6) Chloroethane	3.118	64	122900	40.887	ug/l	95
7) Trichlorofluoromethane	3.500	101	279842	42.592	ug/l	98
8) Diethyl Ether	3.959	74	96415	45.353	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	165520	43.582	ug/l	98
10) Methyl Iodide	4.589	142	211559	45.190	ug/l	99
11) Tert butyl alcohol	5.506	59	118845	237.350	ug/l	99
12) 1,1-Dichloroethene	4.336	96	153815	44.667	ug/l	98
13) Acrolein	4.171	56	179054	241.140	ug/l	97
14) Allyl chloride	5.024	41	201442	44.555	ug/l	99
15) Acrylonitrile	5.712	53	378819	232.720	ug/l	99
16) Acetone	4.418	43	279680	217.115	ug/l	99
17) Carbon Disulfide	4.712	76	423019	41.449	ug/l	99
18) Methyl Acetate	5.018	43	194998	44.011	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	491324	48.014	ug/l	99
20) Methylene Chloride	5.277	84	173805	41.955	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	161205	43.475	ug/l	94
22) Diisopropyl ether	6.665	45	483670	47.344	ug/l	99
23) Vinyl Acetate	6.600	43	1698852	242.867	ug/l	99
24) 1,1-Dichloroethane	6.565	63	301375	43.396	ug/l	99
25) 2-Butanone	7.477	43	456416	240.836	ug/l	100
26) 2,2-Dichloropropane	7.482	77	274082	44.383	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	190393	44.284	ug/l	99
28) Bromochloromethane	7.812	49	142695	49.991	ug/l	97
29) Tetrahydrofuran	7.830	42	304613	248.913	ug/l	99
30) Chloroform	7.965	83	312547	43.065	ug/l	97
31) Cyclohexane	8.253	56	248433	42.725	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	281708	43.640	ug/l	99
36) 1,1-Dichloropropene	8.365	75	220335	46.581	ug/l	99
37) Ethyl Acetate	7.553	43	182091	46.779	ug/l	99
38) Carbon Tetrachloride	8.359	117	251949	44.828	ug/l	99
39) Methylcyclohexane	9.600	83	230541	49.612	ug/l	98
40) Benzene	8.600	78	682453	45.016	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	105287	50.597	ug/l		99
42) 1,2-Dichloroethane	8.665	62	223798	45.321	ug/l		100
43) Isopropyl Acetate	8.682	43	317074	46.374	ug/l		99
44) Trichloroethene	9.347	130	161430	43.368	ug/l		99
45) 1,2-Dichloropropane	9.618	63	165383	45.194	ug/l		99
46) Dibromomethane	9.700	93	118394	45.867	ug/l		98
47) Bromodichloromethane	9.882	83	245433	44.443	ug/l		96
48) Methyl methacrylate	9.676	41	149072	51.566	ug/l		99
49) 1,4-Dioxane	9.688	88	55529	1010.103	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	954888	254.433	ug/l		100
52) Toluene	10.623	92	429445	48.324	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	249572	48.873	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	269744	48.172	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	160020	45.289	ug/l		99
56) Ethyl methacrylate	10.871	69	243449	48.142	ug/l		99
57) 1,3-Dichloropropane	11.159	76	272817	46.254	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	565673	276.203	ug/l		99
59) 2-Hexanone	11.188	43	687507	266.284	ug/l		100
60) Dibromochloromethane	11.353	129	192169	46.707	ug/l		100
61) 1,2-Dibromoethane	11.465	107	157602	47.208	ug/l		99
64) Tetrachloroethene	11.100	164	148840	42.088	ug/l		98
65) Chlorobenzene	11.888	112	464545	44.422	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	163676	43.545	ug/l		100
67) Ethyl Benzene	11.959	91	797025	48.655	ug/l		99
68) m/p-Xylenes	12.065	106	619505	99.562	ug/l		100
69) o-Xylene	12.394	106	294679	49.837	ug/l		100
70) Styrene	12.406	104	498501	45.726	ug/l		99
71) Bromoform	12.576	173	130201	46.617	ug/l	#	97
73) Isopropylbenzene	12.694	105	747608	49.002	ug/l		100
74) N-amyl acetate	12.488	43	265786	49.401	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	225776	43.005	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	227901m	46.070	ug/l		
77) Bromobenzene	12.976	156	185833	45.084	ug/l		98
78) n-propylbenzene	13.029	91	872362	49.927	ug/l		99
79) 2-Chlorotoluene	13.123	91	541105	46.350	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	622090	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	79943	47.152	ug/l		94
82) 4-Chlorotoluene	13.217	91	548585	47.401	ug/l		99
83) tert-Butylbenzene	13.435	119	521552	49.904	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	633621	51.531	ug/l		99
85) sec-Butylbenzene	13.612	105	737200	49.925	ug/l		100
86) p-Isopropyltoluene	13.723	119	617918	46.012	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	341228	44.186	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	338619	42.781	ug/l		100
89) n-Butylbenzene	14.053	91	513863	49.015	ug/l		98
90) Hexachloroethane	14.329	117	119768	42.828	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	325885	43.883	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41836	43.396	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	161503	45.640	ug/l		99
94) Hexachlorobutadiene	15.494	225	84060	39.087	ug/l		99
95) Naphthalene	15.635	128	487372	50.167	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	158416	44.593	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
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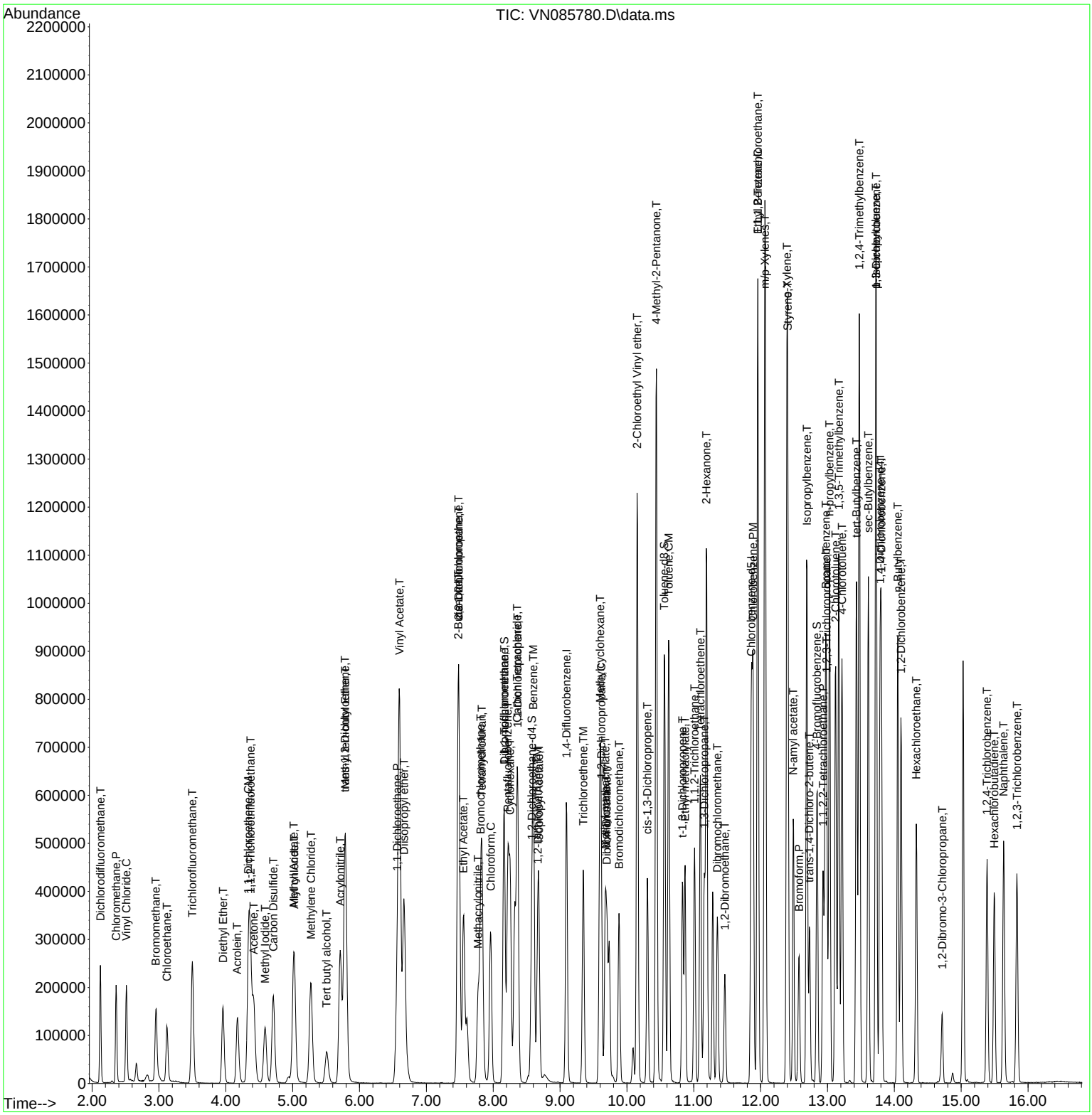
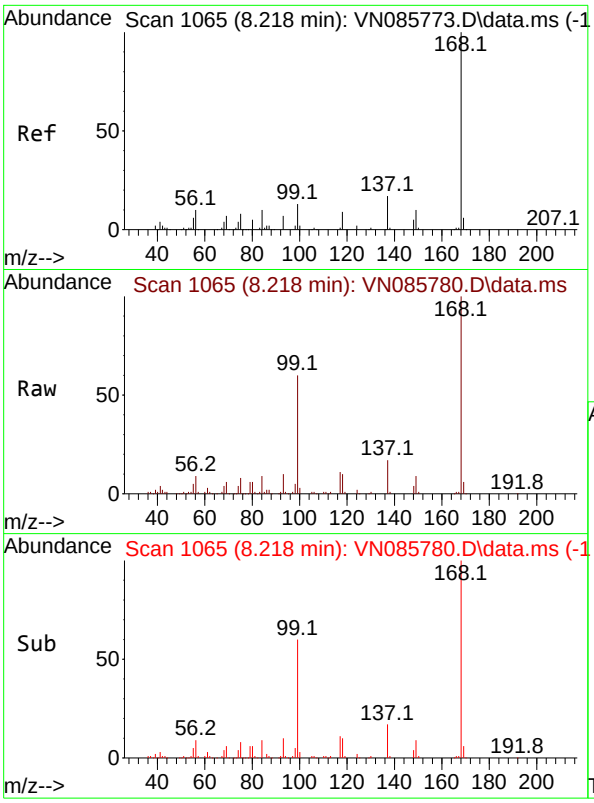
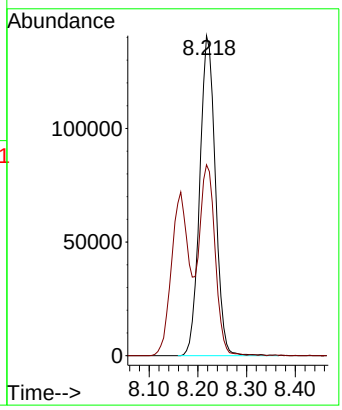




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:168 Resp: 31401

Ion	Ratio	Lower	Upper
168	100		
99	59.5	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
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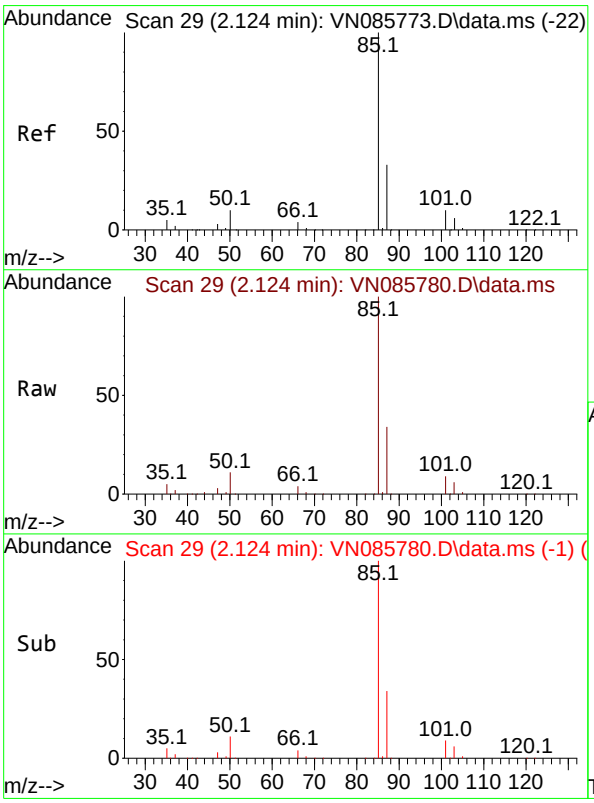
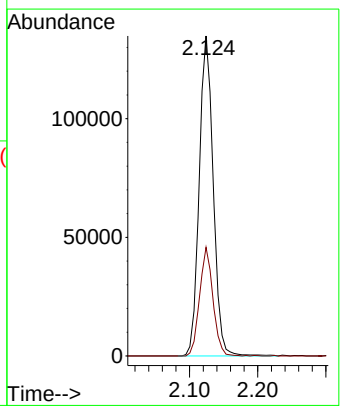
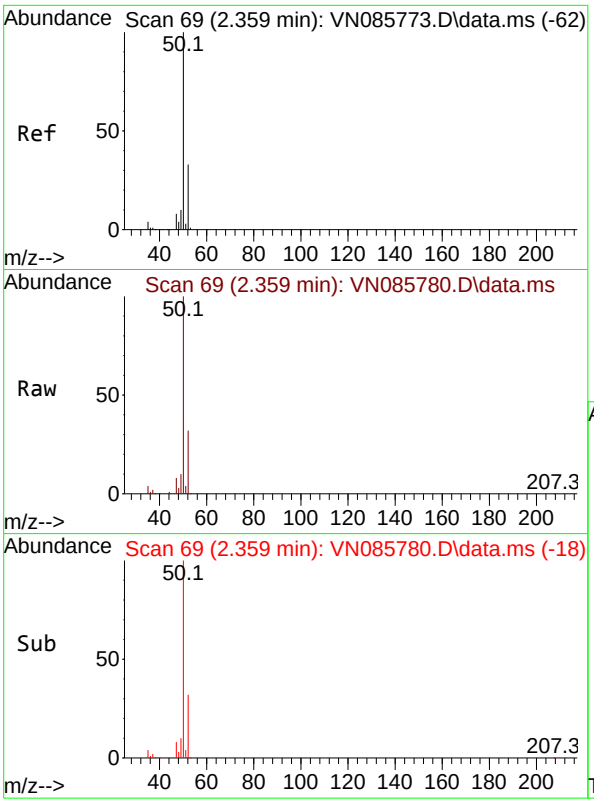


#2
Dichlorodifluoromethane
Concen: 45.199 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 85 Resp: 193054

Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.4	49.2

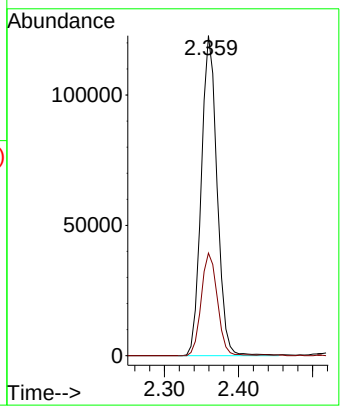




#3
Chloromethane
Concen: 42.438 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 50 Resp: 18188

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.7	40.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

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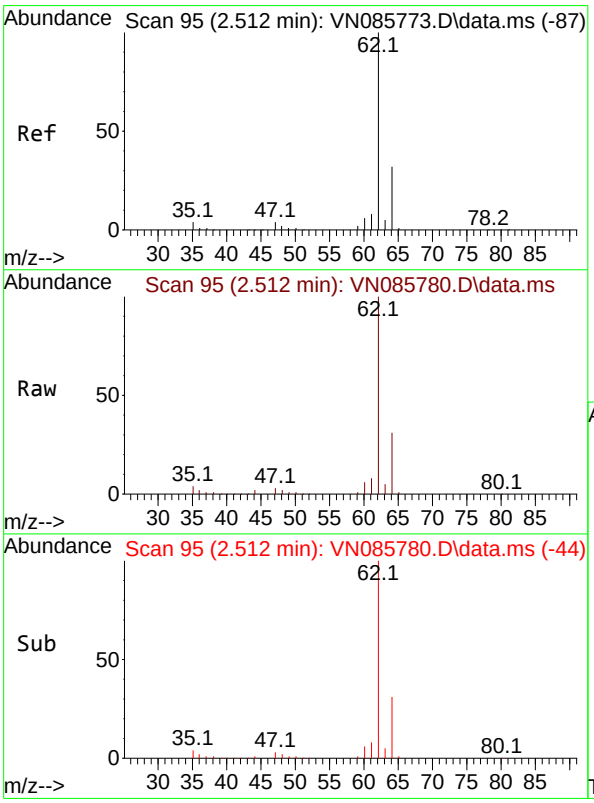
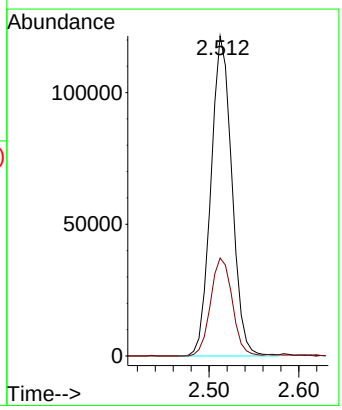
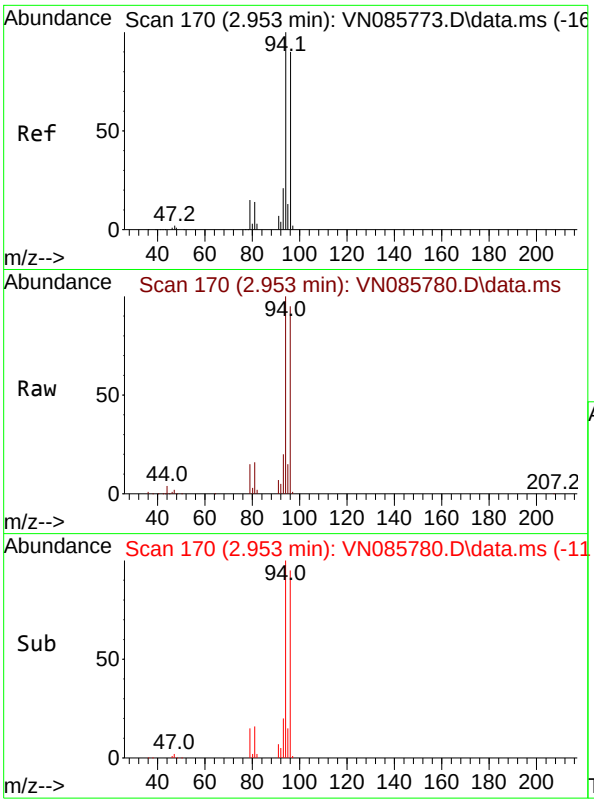


#4
Vinyl Chloride
Concen: 43.449 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 62 Resp: 197171

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.9	38.9





#5
Bromomethane
Concen: 41.282 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

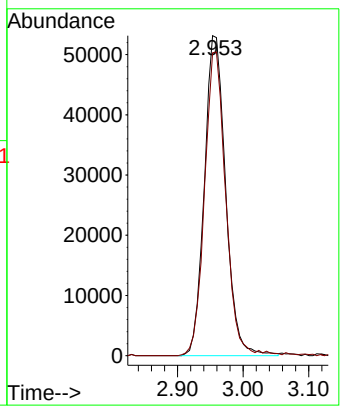
Tgt Ion: 94 Resp: 11978

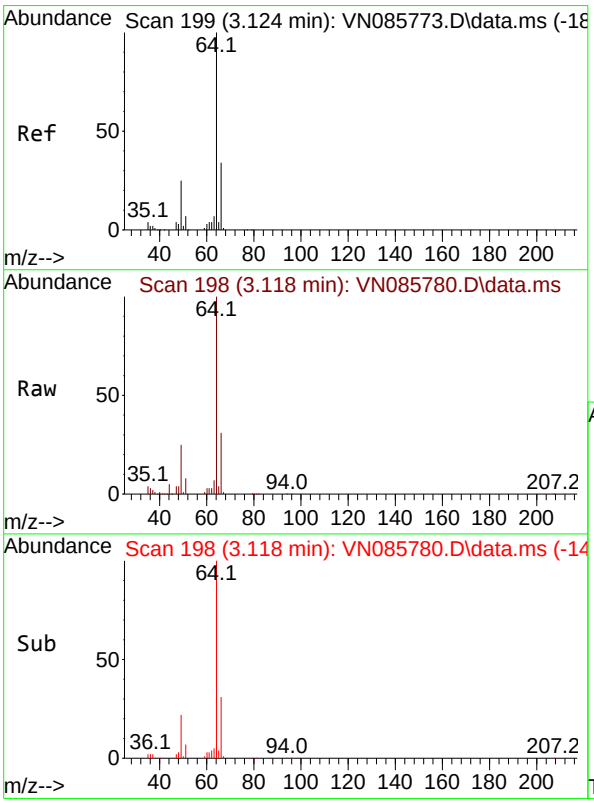
Ion	Ratio	Lower	Upper
94	100		
96	94.6	71.7	107.5

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

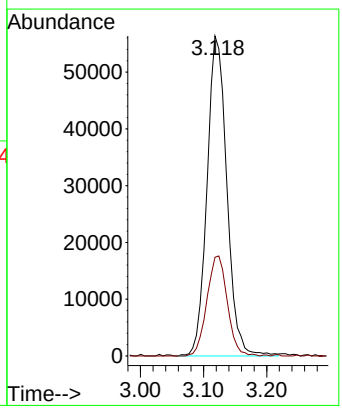


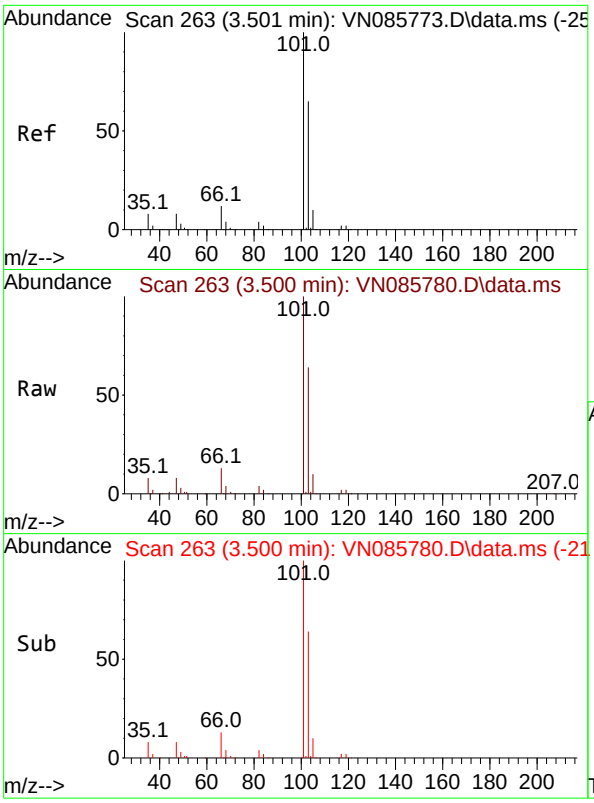


#6
Chloroethane
Concen: 40.887 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 64 Resp: 122900

Ion	Ratio	Lower	Upper
64	100		
66	30.8	27.0	40.6

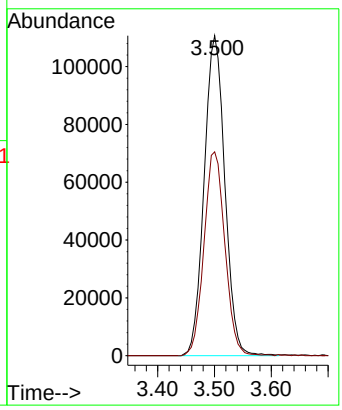




#7
Trichlorofluoromethane
Concen: 42.592 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:101 Resp: 27984

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.2	78.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/19/2025
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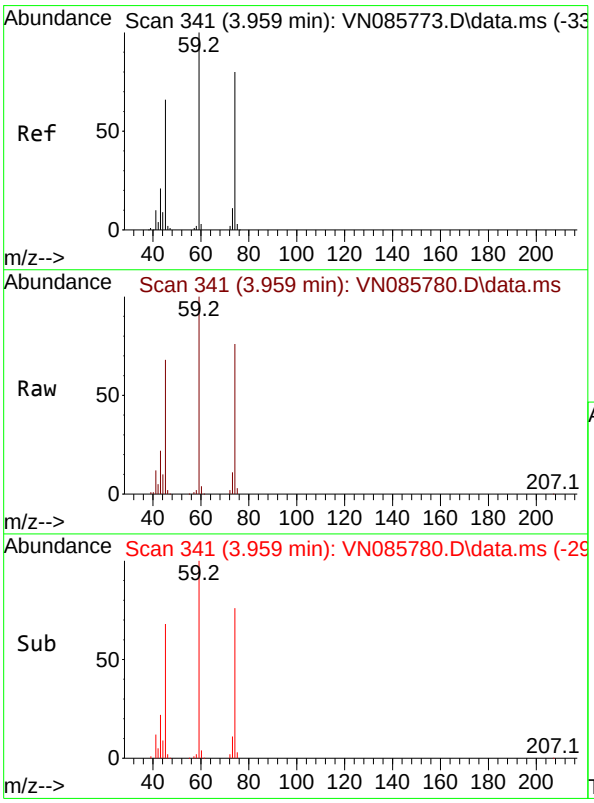
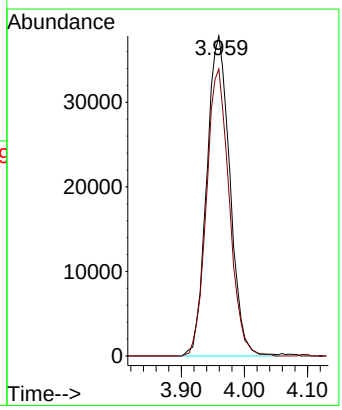
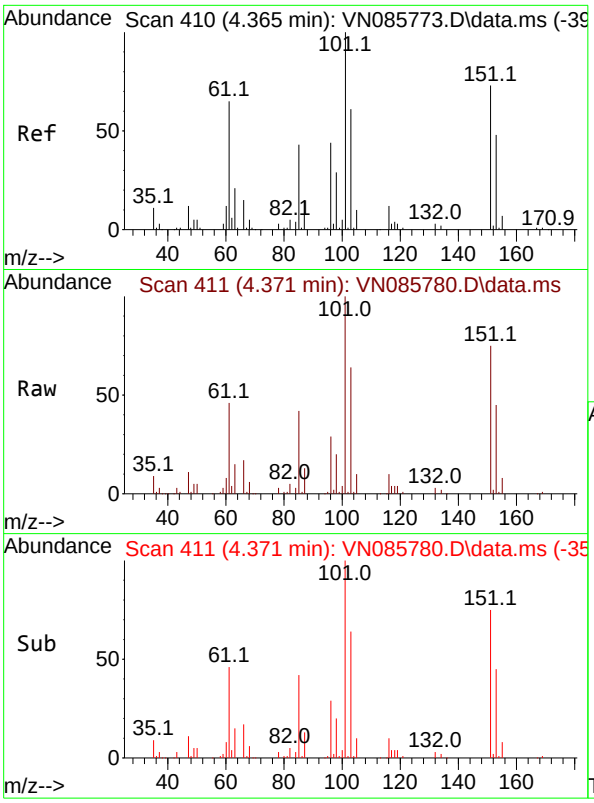


#8
Diethyl Ether
Concen: 45.353 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 74 Resp: 96415

Ion	Ratio	Lower	Upper
74	100		
45	88.2	42.5	127.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.582 ug/l
RT: 4.371 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:101 Resp: 16552

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.7	53.5
151	75.0	61.4	92.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations
APPROVED

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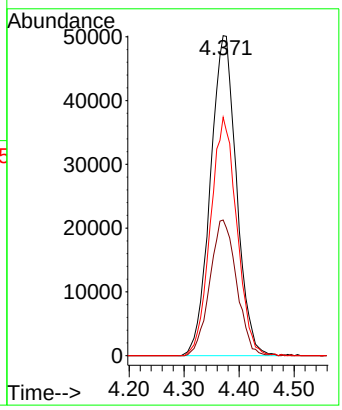
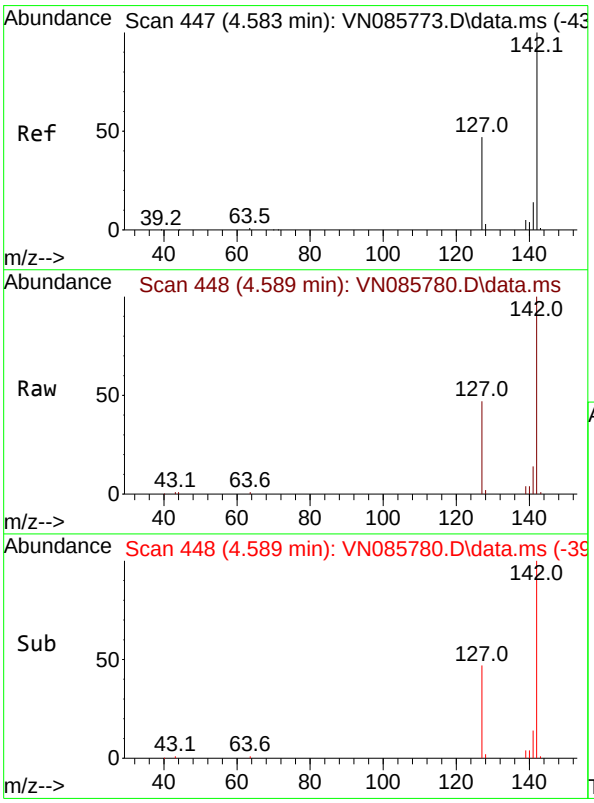
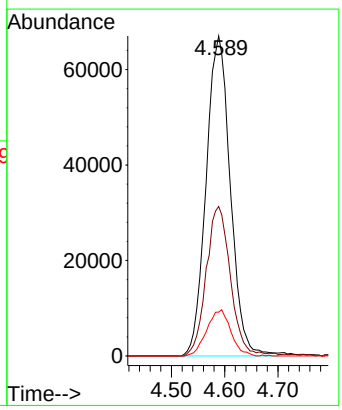


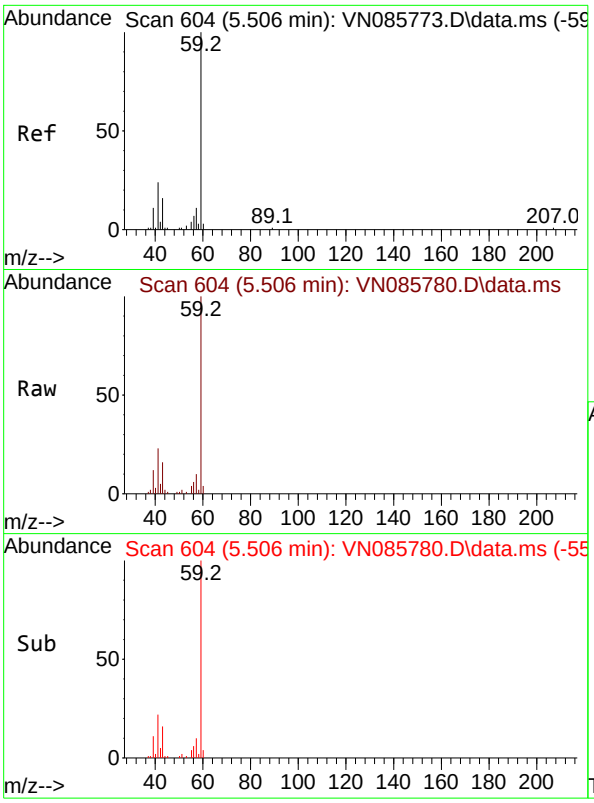


#10
Methyl Iodide
Concen: 45.190 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:142 Resp: 211559

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.6	56.4
141	13.7	11.4	17.2

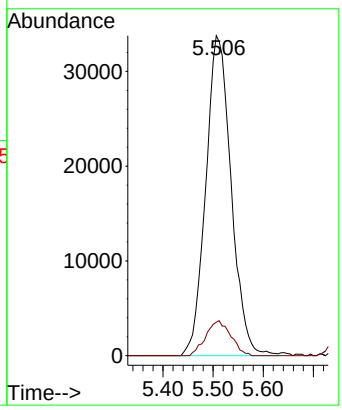




#11
Tert butyl alcohol
Concen: 237.350 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 59 Resp: 11884

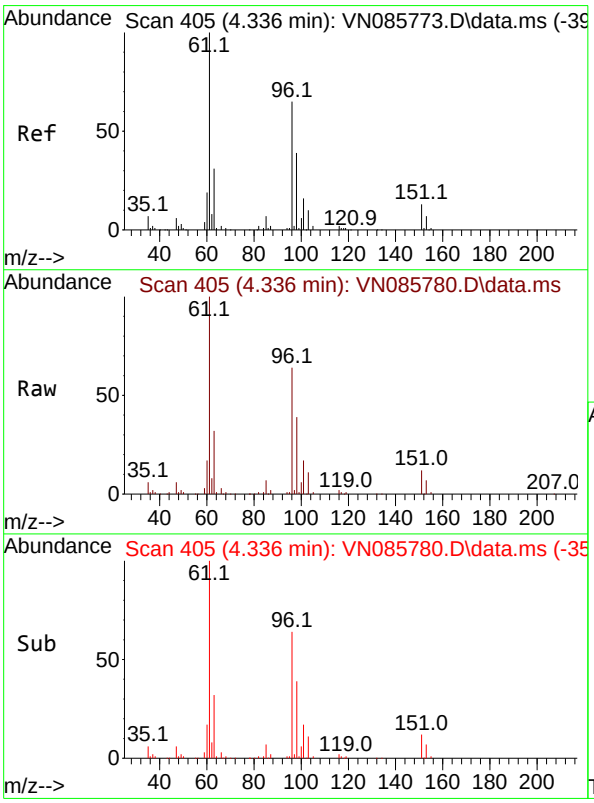
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations
APPROVED

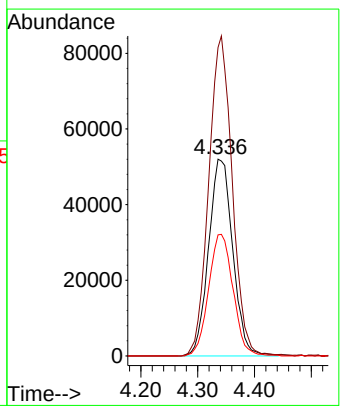
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

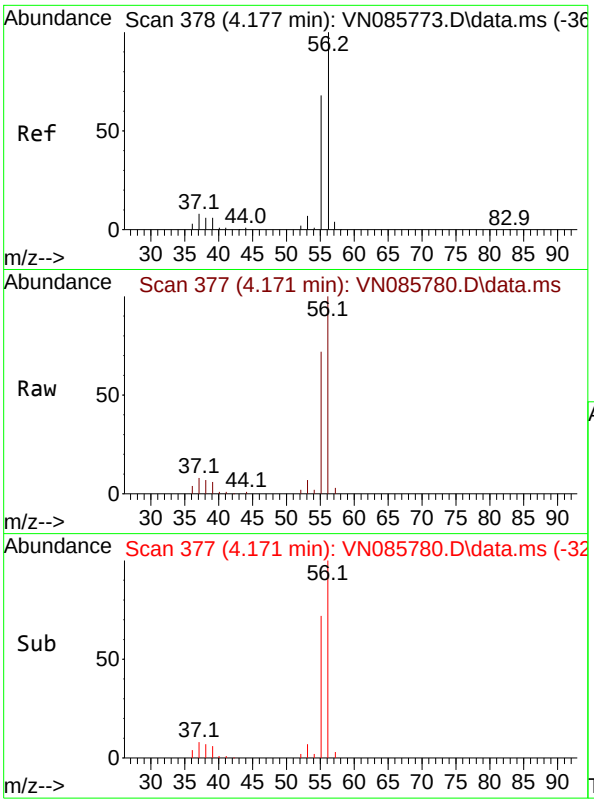


#12
1,1-Dichloroethene
Concen: 44.667 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 96 Resp: 153815

Ion	Ratio	Lower	Upper
96	100		
61	156.7	123.3	184.9
98	61.6	48.6	72.8

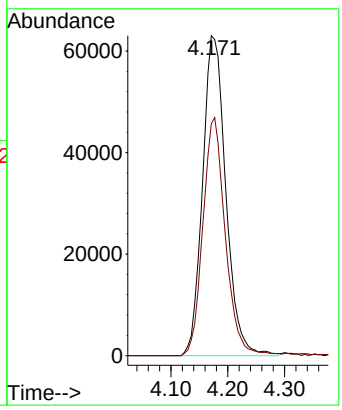




#13
Acrolein
Concen: 241.140 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 56 Resp: 17905

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.3	82.9



Instrument :
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ClientSampleId :
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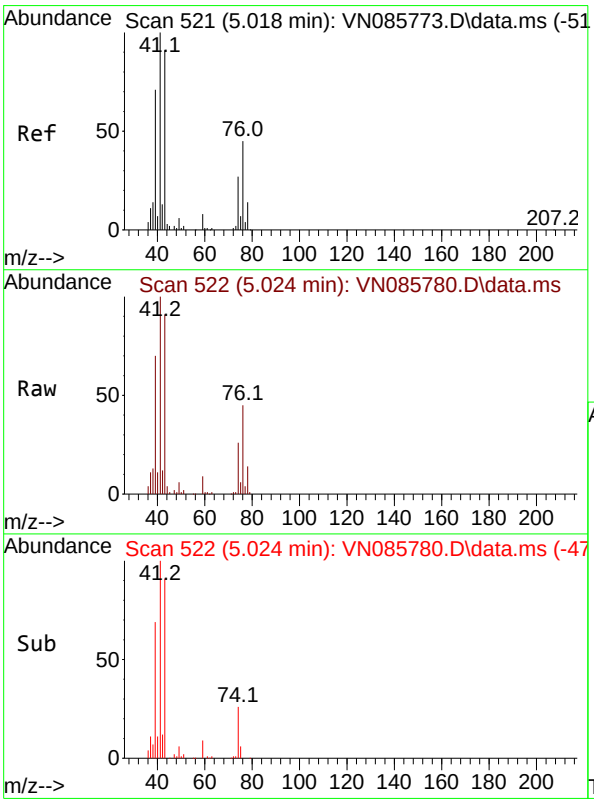
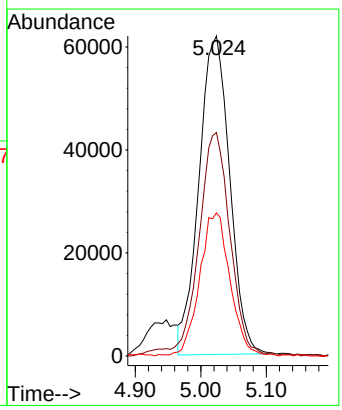
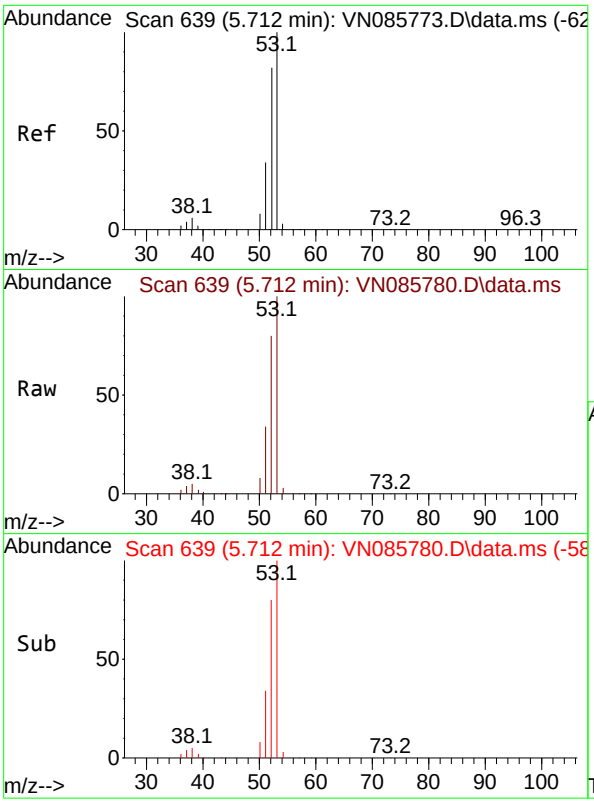


#14
Allyl chloride
Concen: 44.555 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 41 Resp: 201442

Ion	Ratio	Lower	Upper
41	100		
39	72.4	57.4	86.2
76	44.6	36.2	54.2

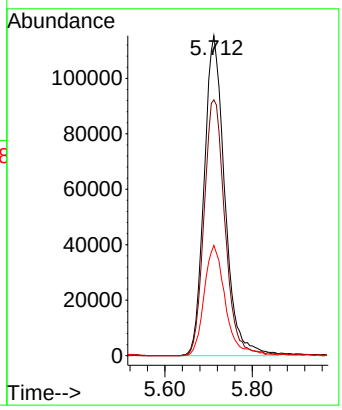




#15
Acrylonitrile
Concen: 232.720 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 53 Resp: 37881

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.8	98.6
51	35.6	28.6	42.8



Instrument :
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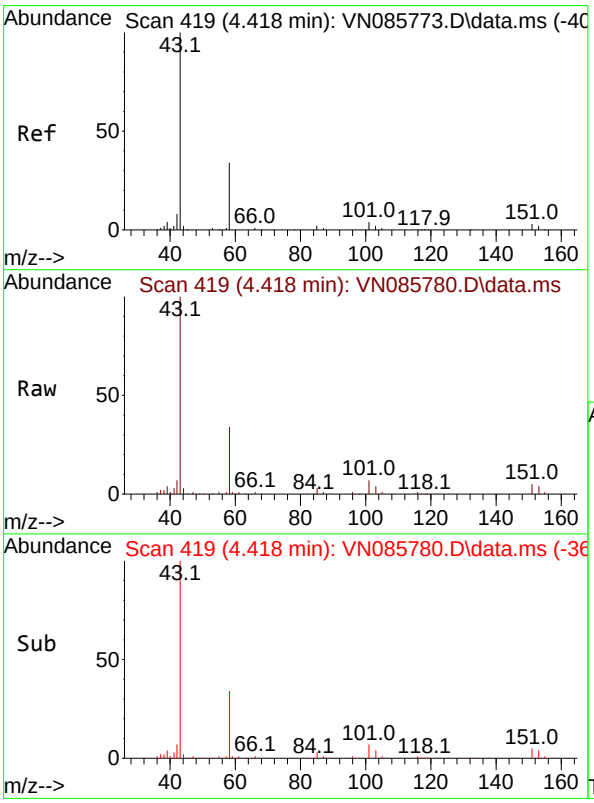
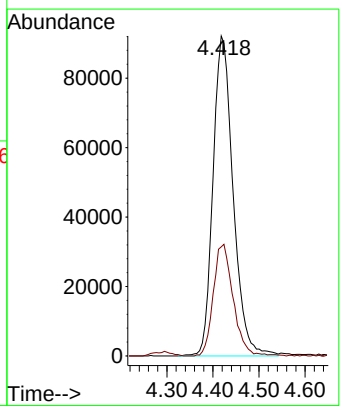
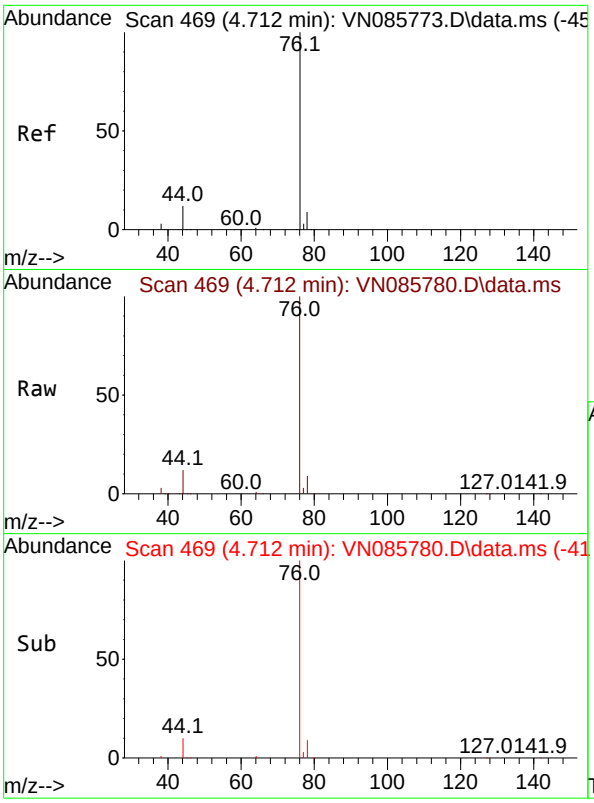


#16
Acetone
Concen: 217.115 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 279680

Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.5	41.3

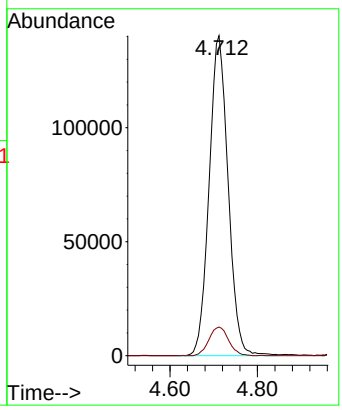




#17
Carbon Disulfide
Concen: 41.449 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 76 Resp: 42301

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0



Instrument :
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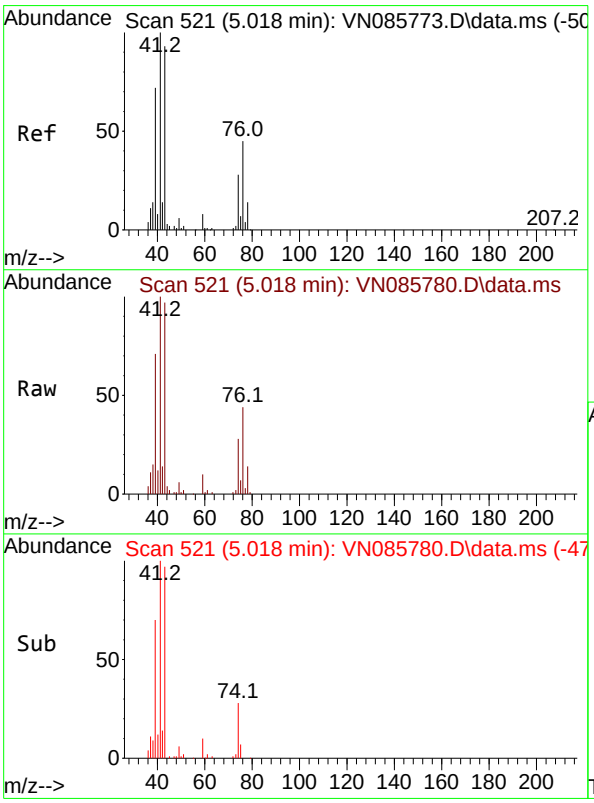
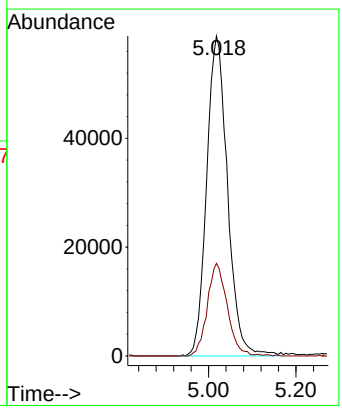
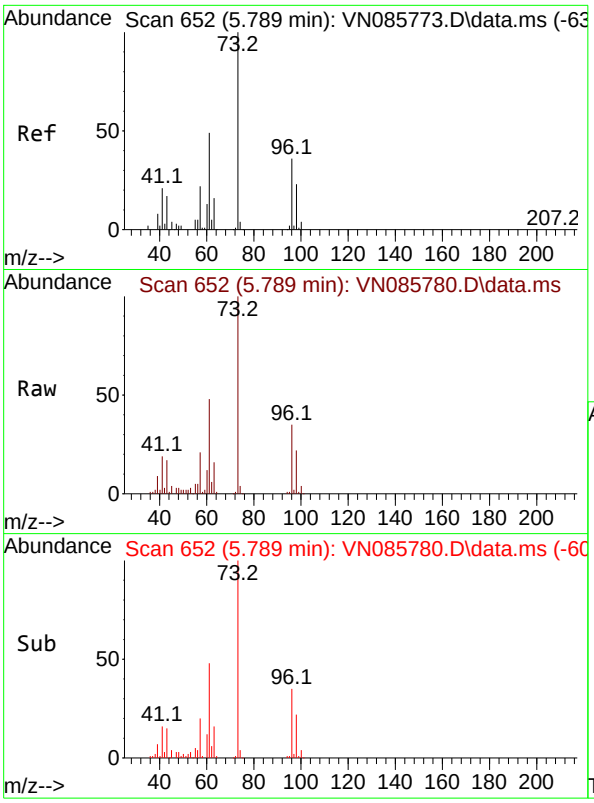


#18
Methyl Acetate
Concen: 44.011 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 194998

Ion	Ratio	Lower	Upper
43	100		
74	27.5	22.2	33.4

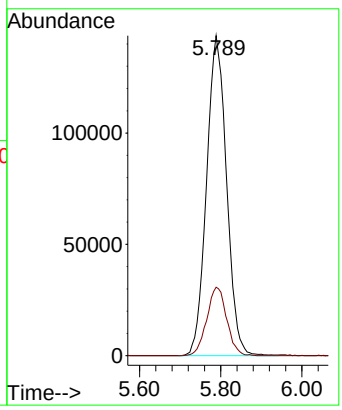




#19
Methyl tert-butyl Ether
Concen: 48.014 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 73 Resp: 49132

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.6	26.4



Instrument :
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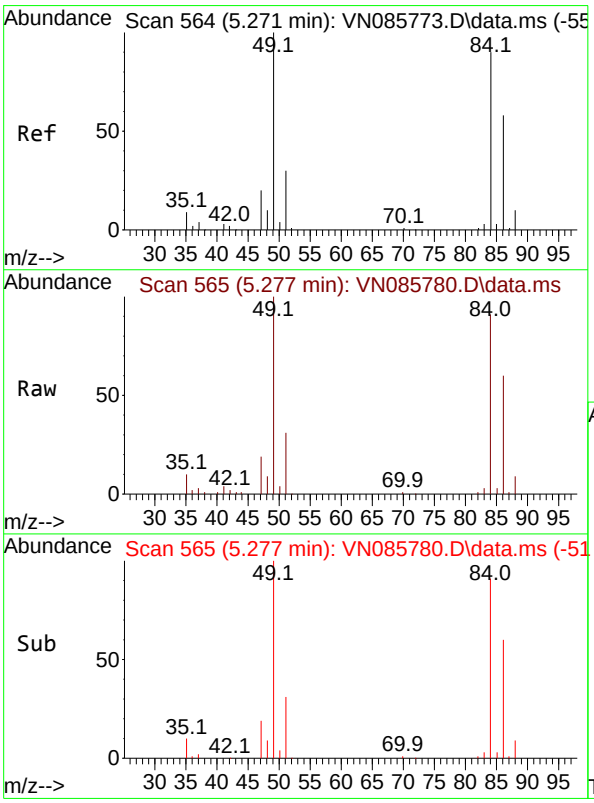
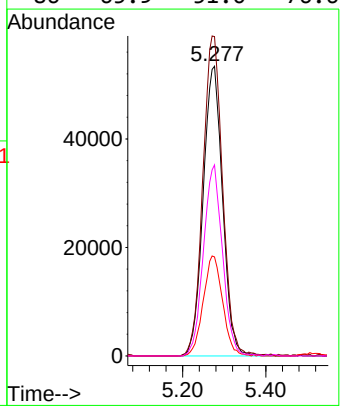
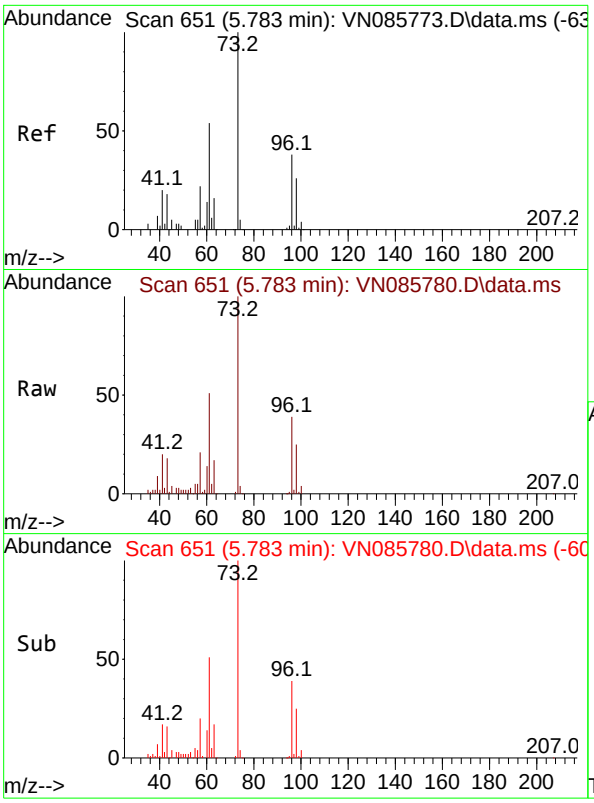


#20
Methylene Chloride
Concen: 41.955 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 84 Resp: 173805

Ion	Ratio	Lower	Upper
84	100		
49	110.2	88.4	132.6
51	34.2	26.6	40.0
86	65.9	51.0	76.6

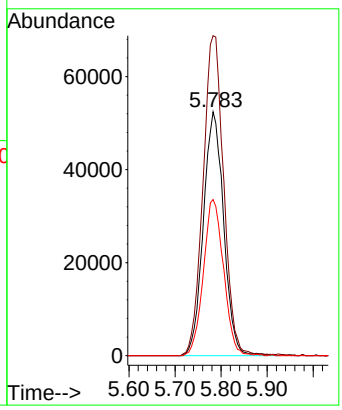




#21
trans-1,2-Dichloroethene
Concen: 43.475 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 96 Resp: 16120

Ion	Ratio	Lower	Upper
96	100		
61	131.3	112.6	168.8
98	64.1	53.3	79.9



Instrument :
MSVOA_N
ClientSampleId :
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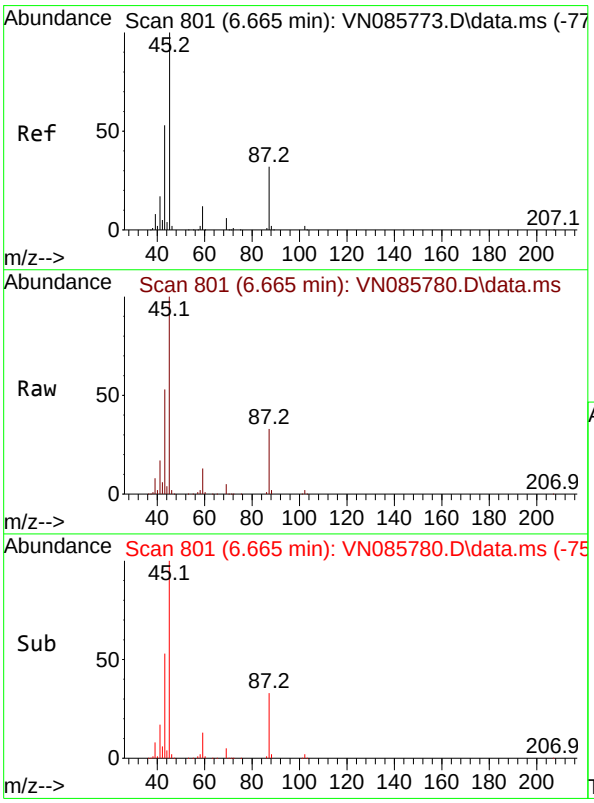
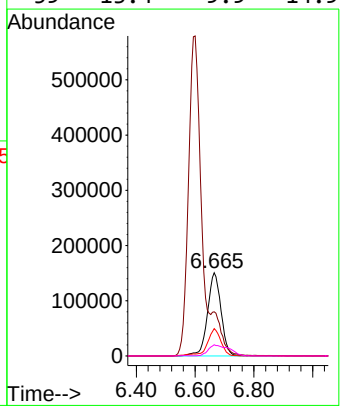
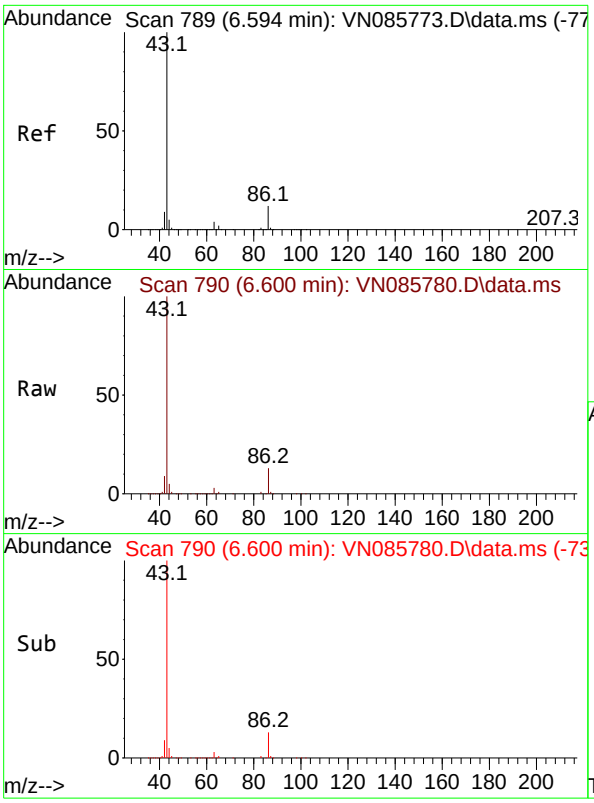


#22
Diisopropyl ether
Concen: 47.344 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 45 Resp: 483670

Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.6	64.0
87	32.9	25.8	38.8
59	13.4	9.9	14.9





#23
Vinyl Acetate
Concen: 242.867 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 169885

Ion	Ratio	Lower	Upper
43	100		
86	12.6	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
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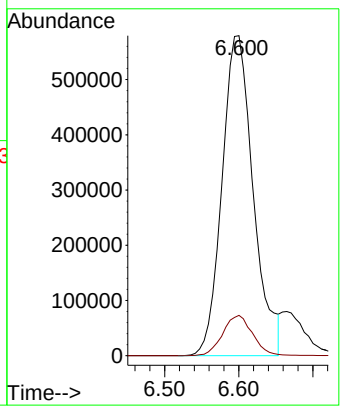
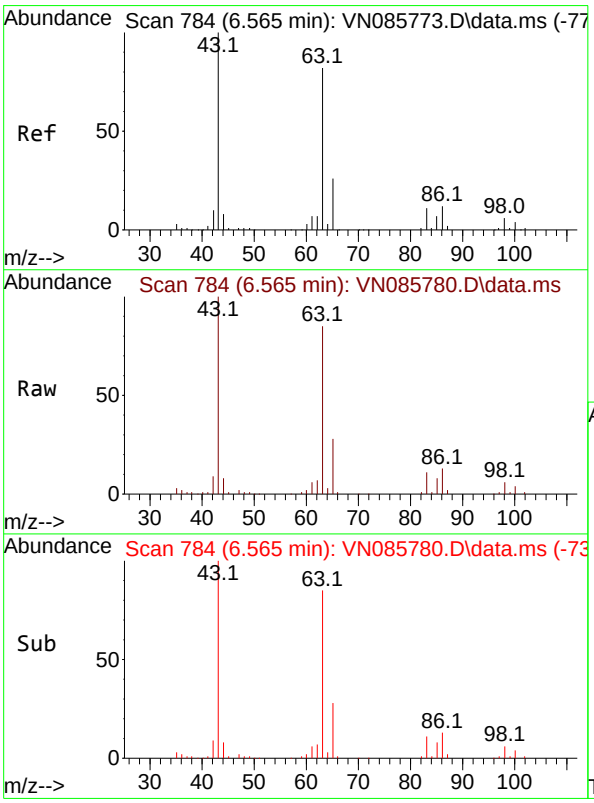
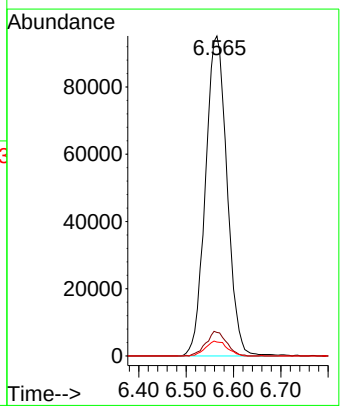


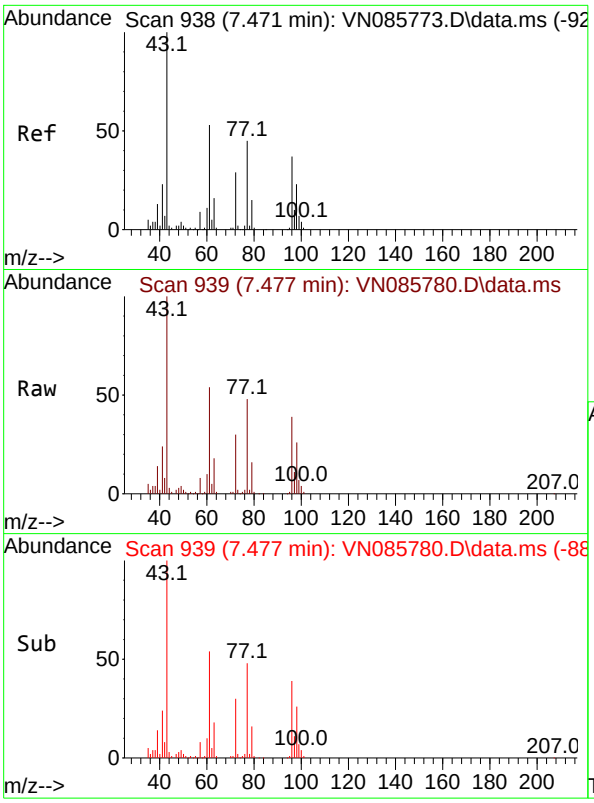


#24
1,1-Dichloroethane
Concen: 43.396 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 63 Resp: 301375

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	4.4	2.4	7.2

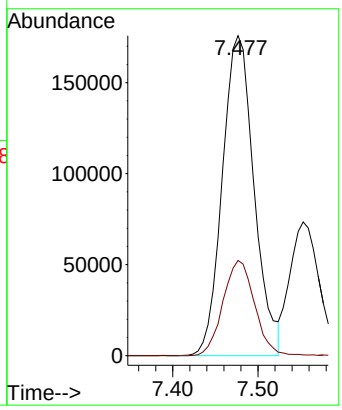




#25
2-Butanone
Concen: 240.836 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 45641

Ion	Ratio	Lower	Upper
43	100		
72	29.8	23.6	35.4



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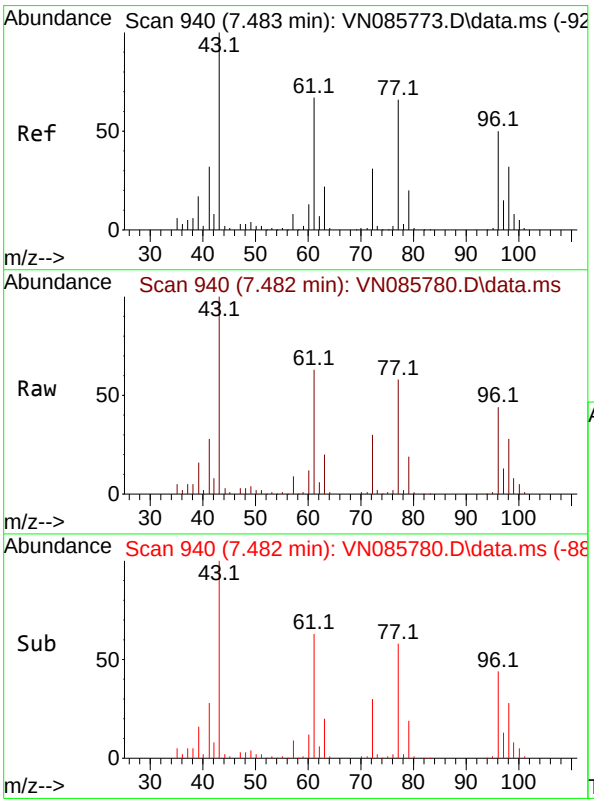
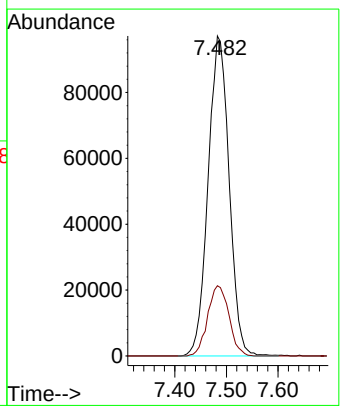
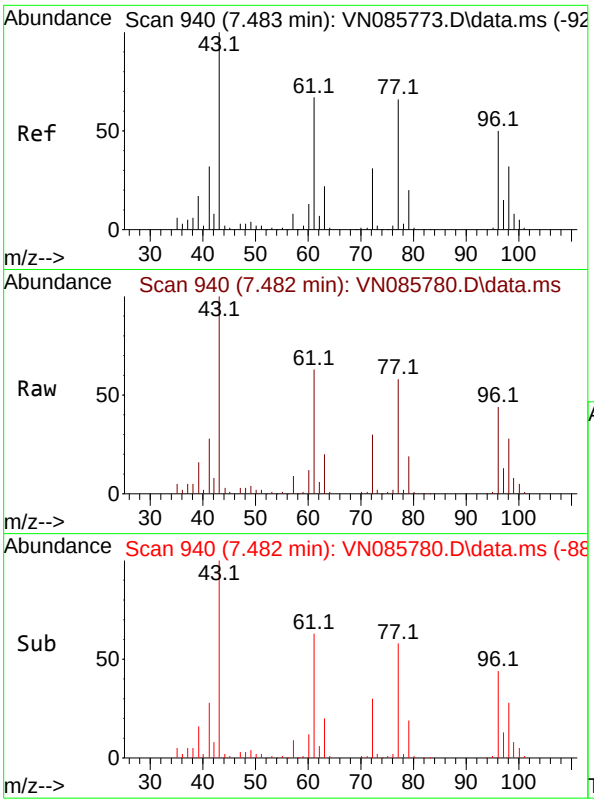


#26
2,2-Dichloropropane
Concen: 44.383 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 77 Resp: 274082

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.3	33.8

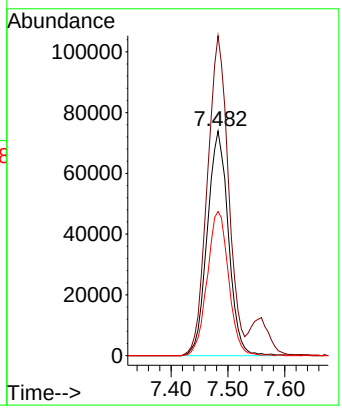




#27
cis-1,2-Dichloroethene
Concen: 44.284 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 96 Resp: 19039

Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	280.6
98	65.2	0.0	128.6



Instrument :
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ClientSampleId :
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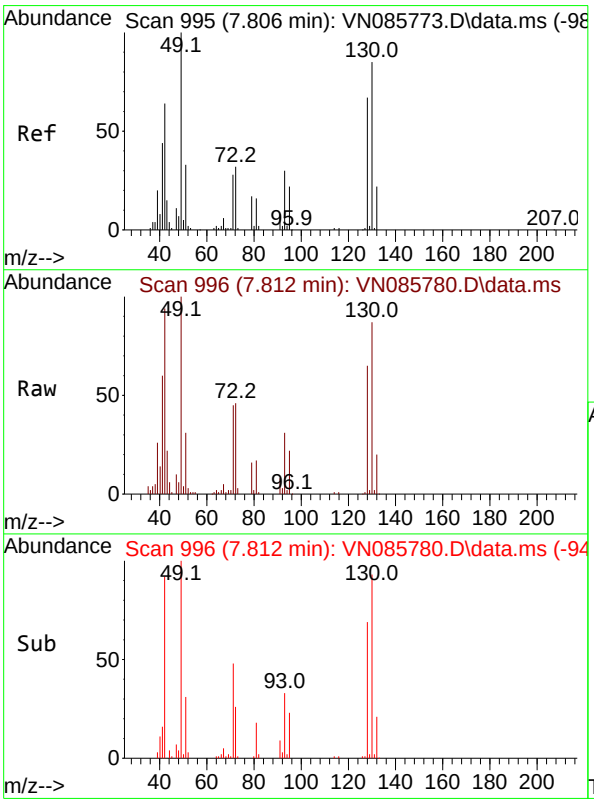
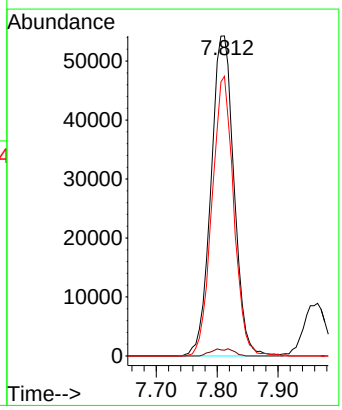
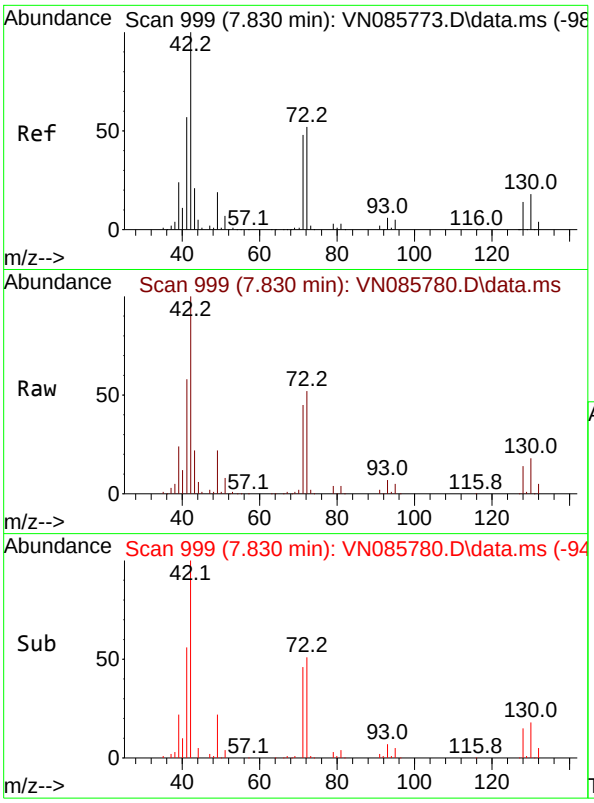


#28
Bromochloromethane
Concen: 49.991 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 49 Resp: 142695

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	82.4	68.0	102.0

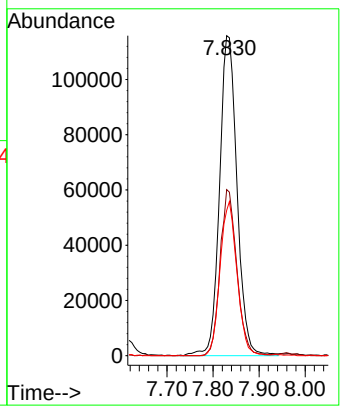




#29
Tetrahydrofuran
Concen: 248.913 ug/l
RT: 7.830 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 42 Resp: 30461

Ion	Ratio	Lower	Upper
42	100		
72	49.7	40.0	60.0
71	46.6	37.0	55.4



Instrument :
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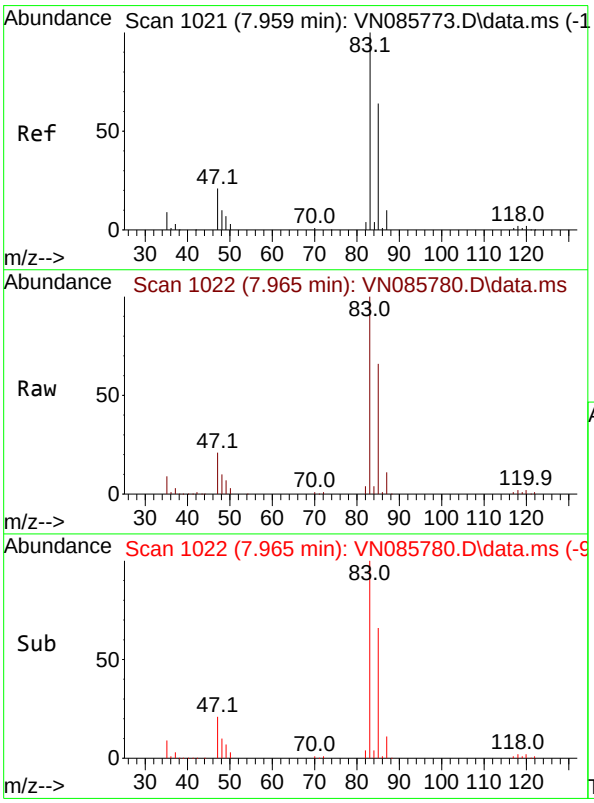
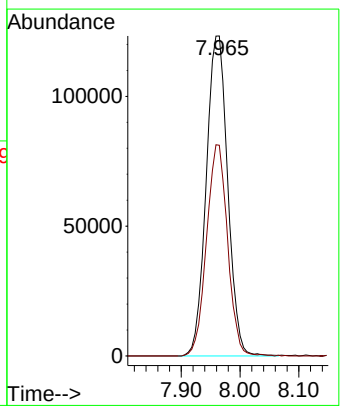
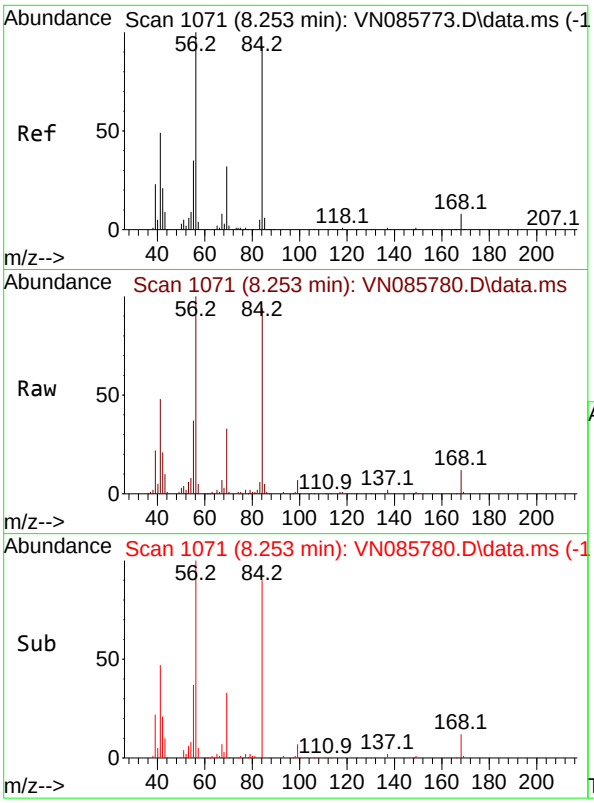


#30
Chloroform
Concen: 43.065 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 83 Resp: 312547

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3

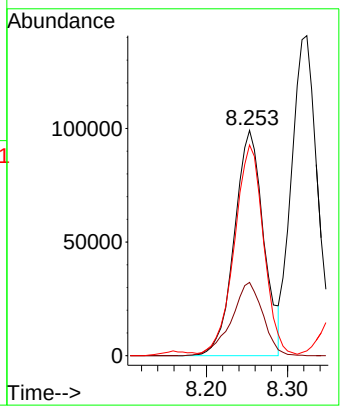




#31
Cyclohexane
Concen: 42.725 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 56 Resp: 24843

Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.6
84	91.8	74.5	111.7



Instrument :
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ClientSampleId :
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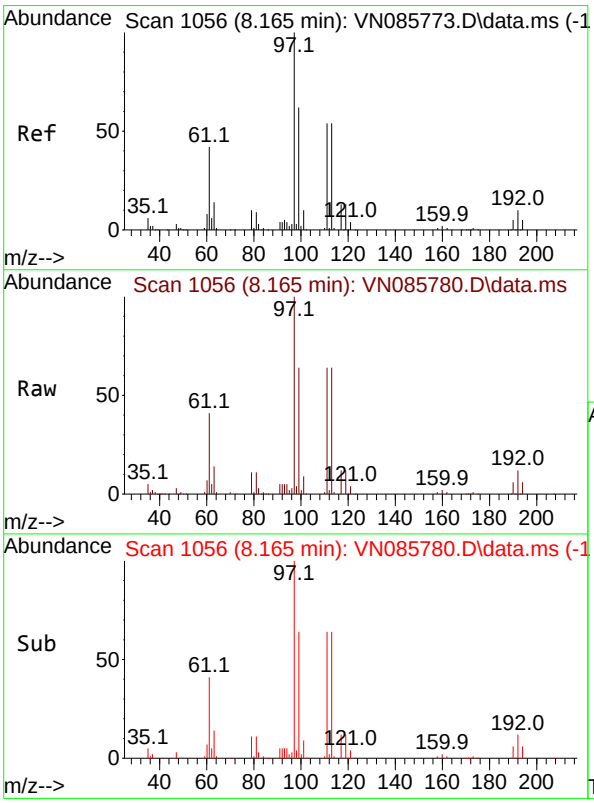
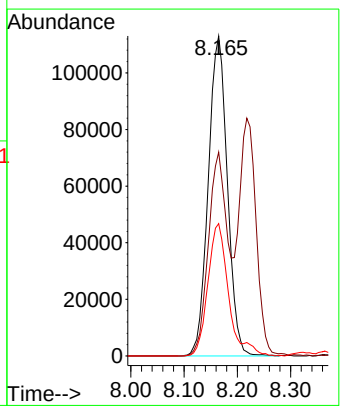
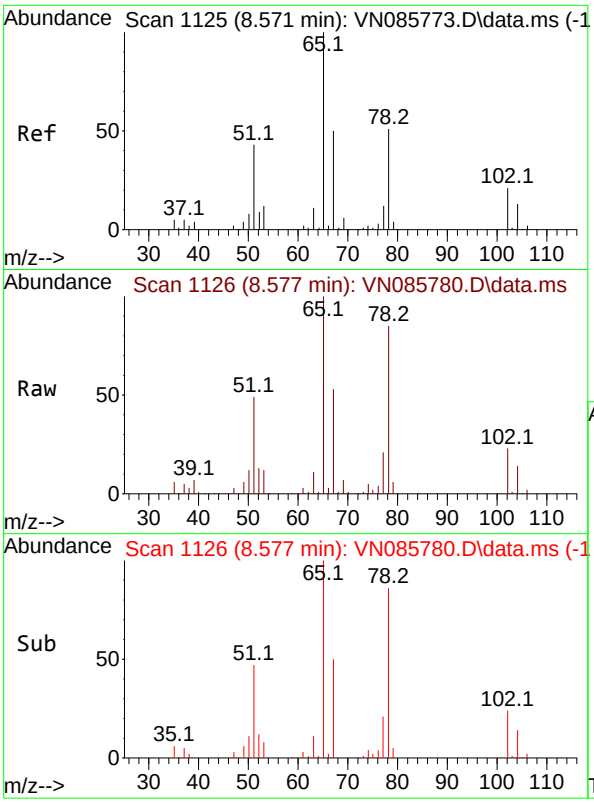


#32
1,1,1-Trichloroethane
Concen: 43.640 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 97 Resp: 281708

Ion	Ratio	Lower	Upper
97	100		
99	61.8	50.4	75.6
61	44.7	35.5	53.3

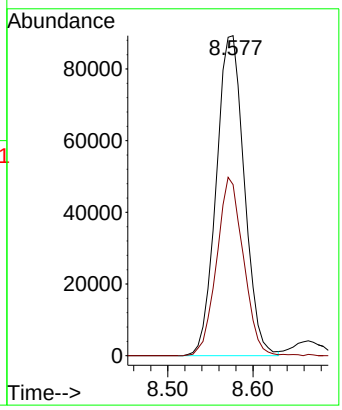




#33
1,2-Dichloroethane-d4
Concen: 50.125 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 65 Resp: 20406

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.2



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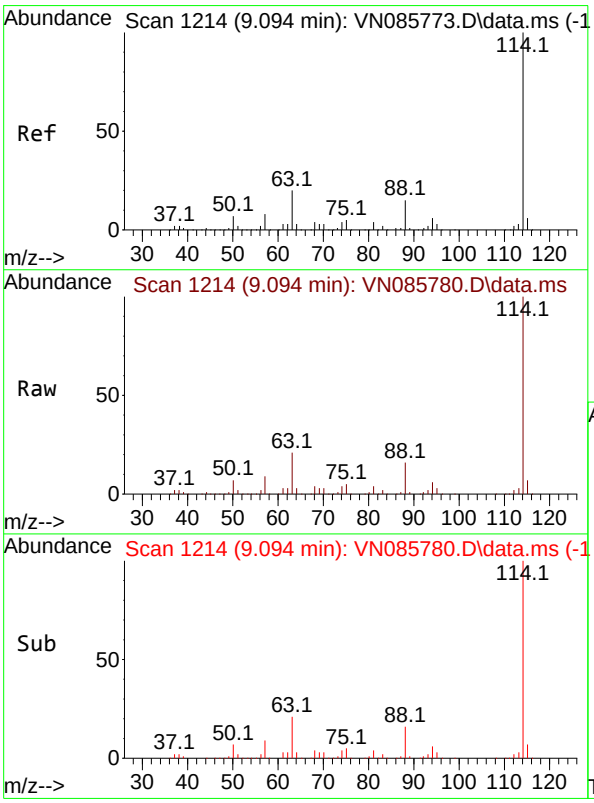
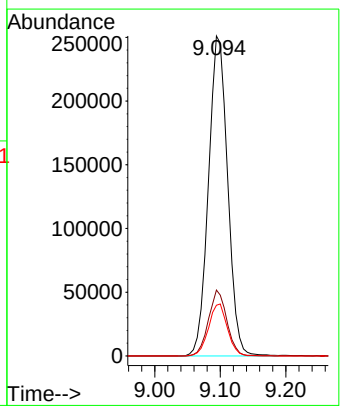
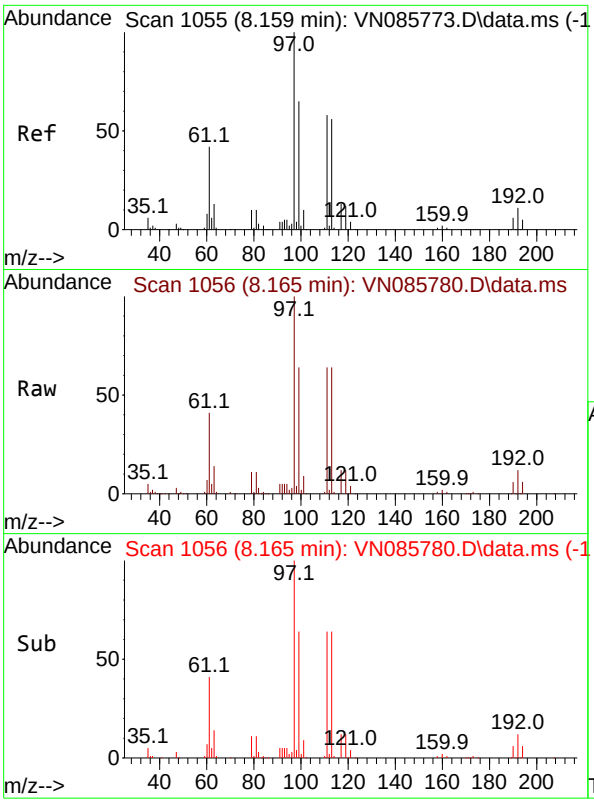


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:114 Resp: 510764

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.2
88	15.9	0.0	30.0

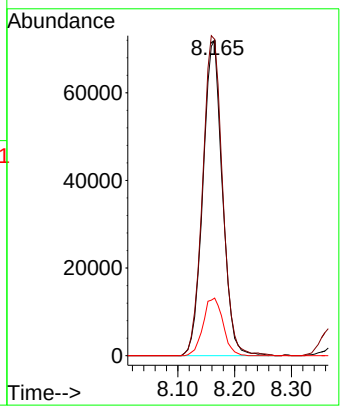




#35
Dibromofluoromethane
Concen: 50.972 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:113 Resp: 17035

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.2	123.4
192	18.8	14.7	22.1



Instrument :
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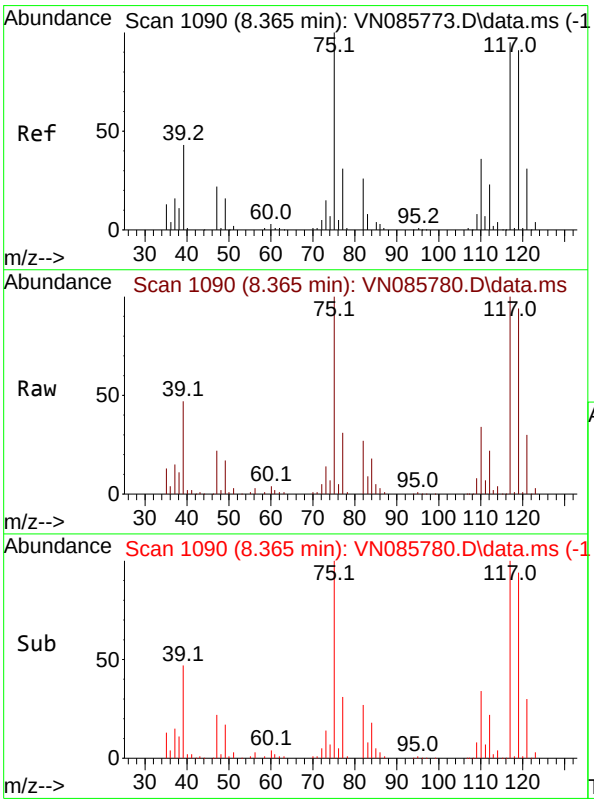
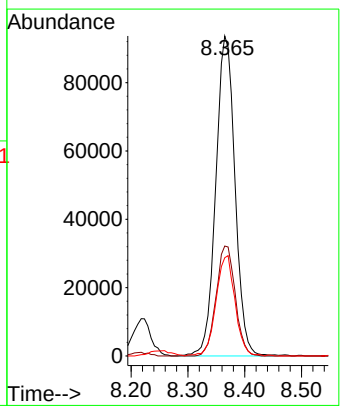
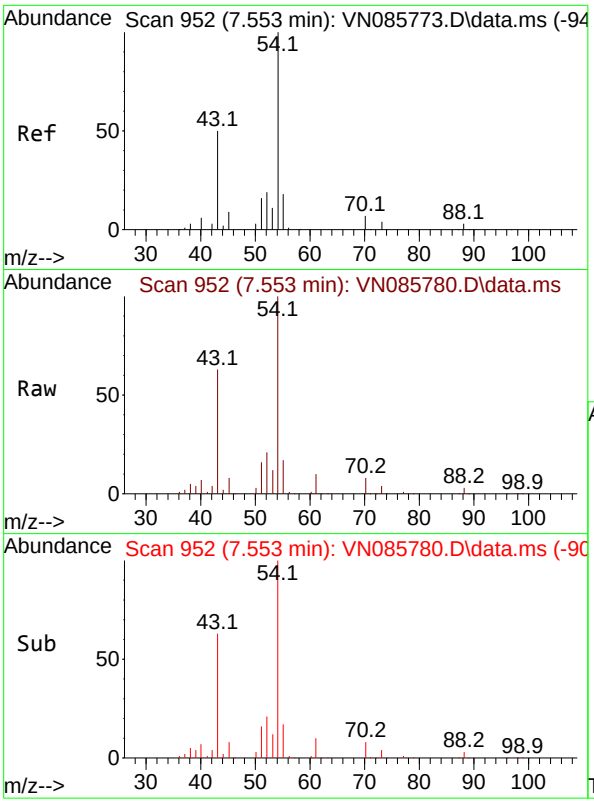


#36
1,1-Dichloropropene
Concen: 46.581 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 220335

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	31.1	24.6	37.0

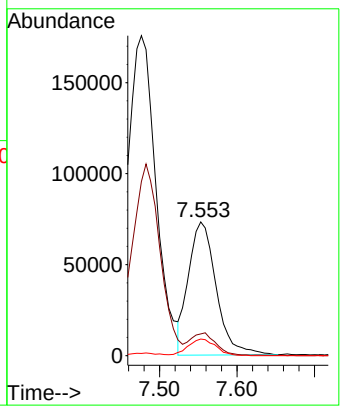




#37
Ethyl Acetate
Concen: 46.779 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 18209

Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.2	18.2
70	12.5	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
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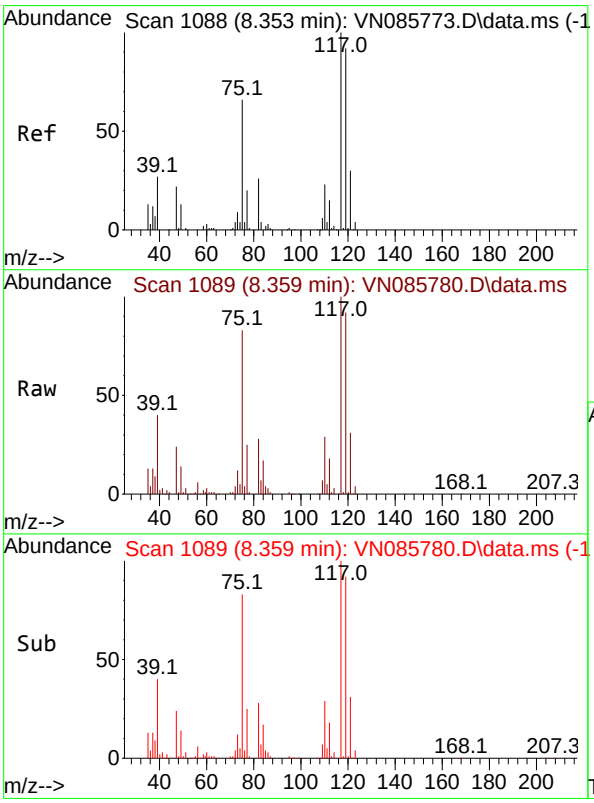
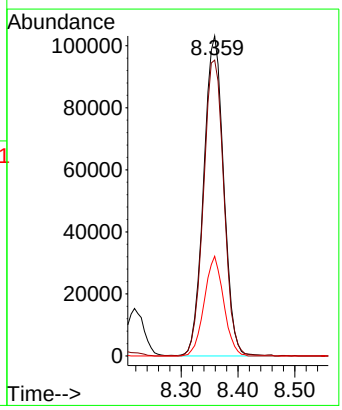
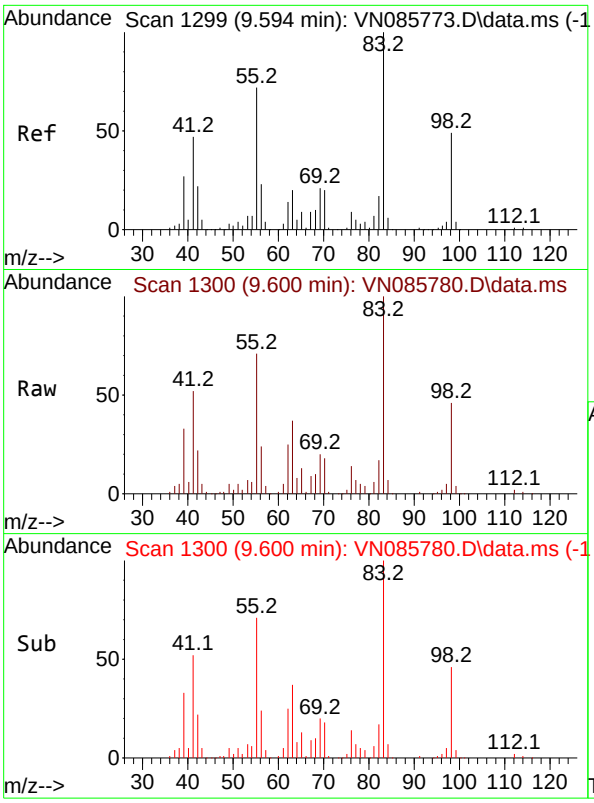


#38
Carbon Tetrachloride
Concen: 44.828 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:117 Resp: 251949

Ion	Ratio	Lower	Upper
117	100		
119	92.5	73.8	110.6
121	31.1	24.3	36.5

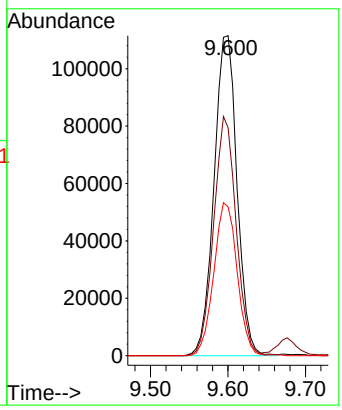




#39
Methylcyclohexane
Concen: 49.612 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 83 Resp: 23054

Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.5	86.3
98	46.5	39.2	58.8



Instrument :
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ClientSampleId :
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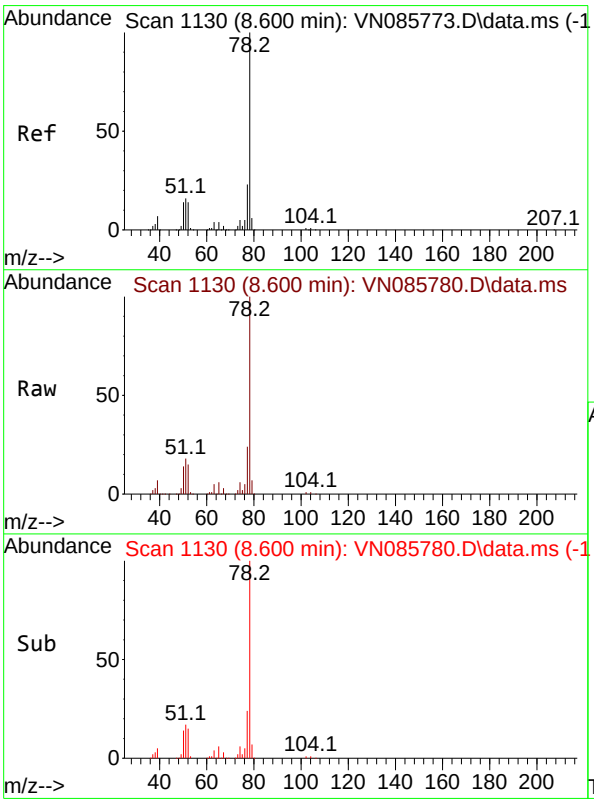
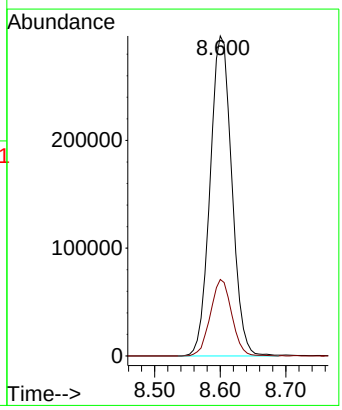
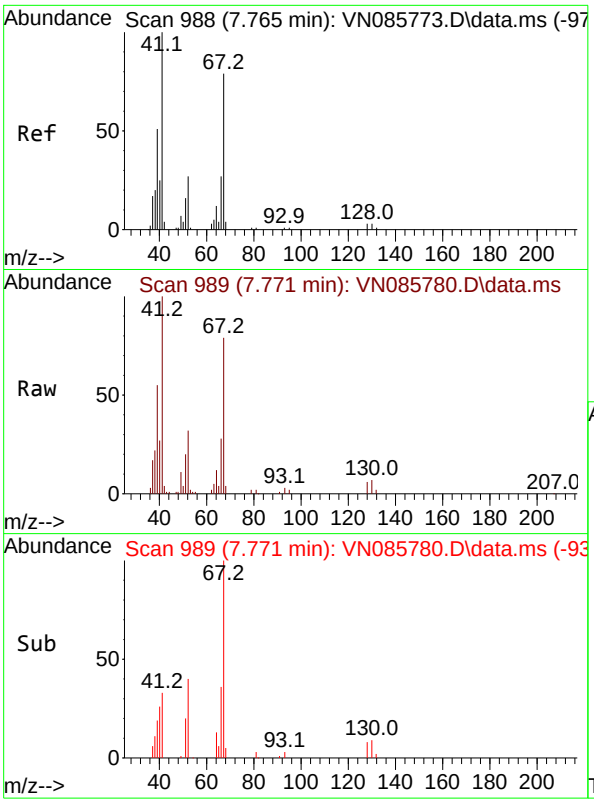


#40
Benzene
Concen: 45.016 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 78 Resp: 682453

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5

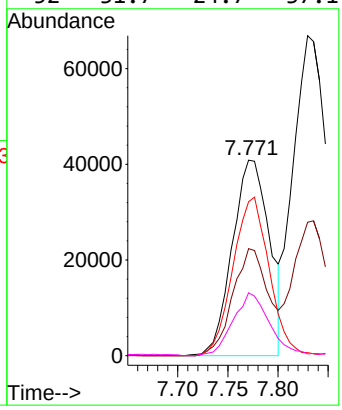




#41
Methacrylonitrile
Concen: 50.597 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 41 Resp: 10528

Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.0	63.0
67	79.2	64.2	96.4
52	31.7	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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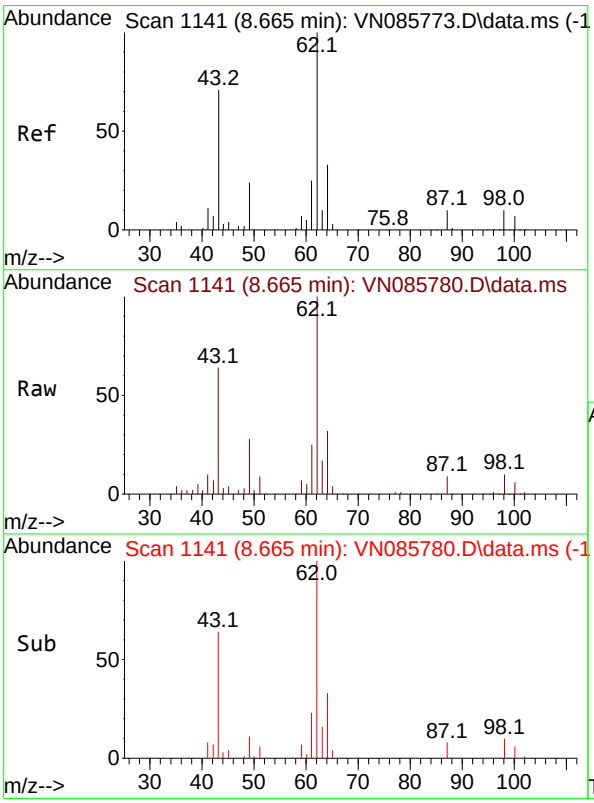
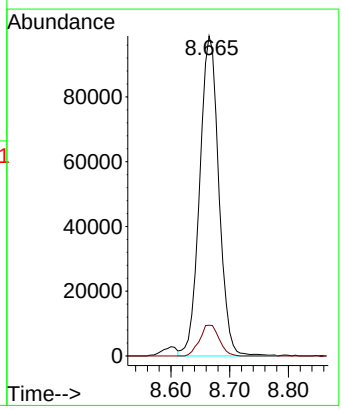
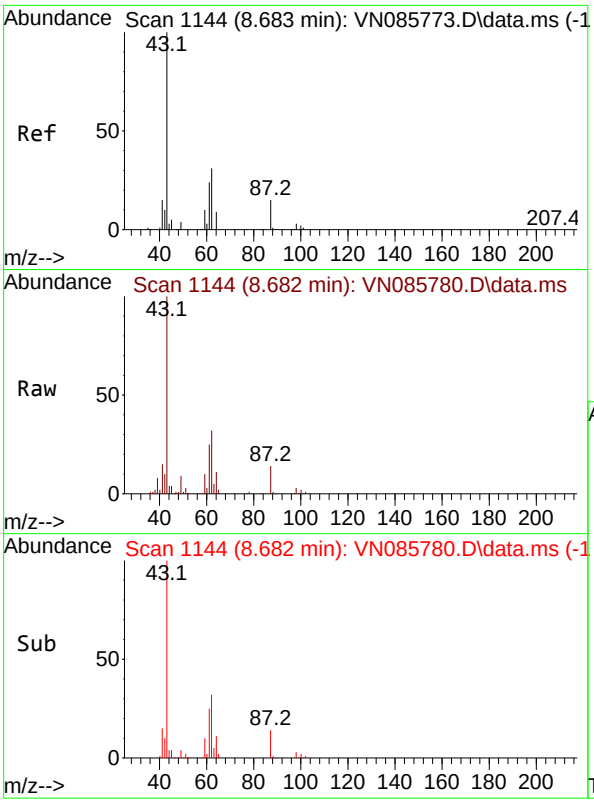


#42
1,2-Dichloroethane
Concen: 45.321 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 62 Resp: 223798

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6

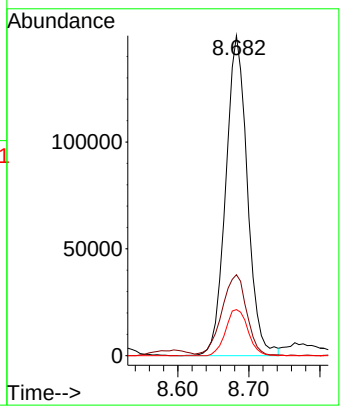




#43
Isopropyl Acetate
Concen: 46.374 ug/l
RT: 8.682 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 31707

Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.6	34.0
87	14.9	11.8	17.8



Instrument :
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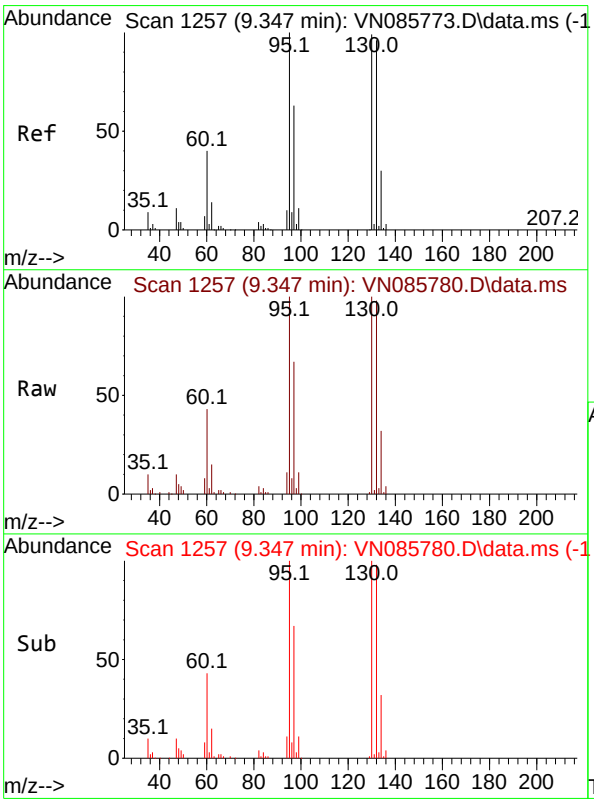
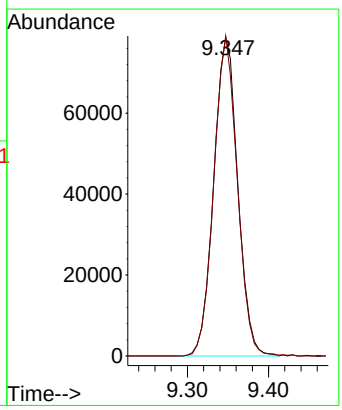
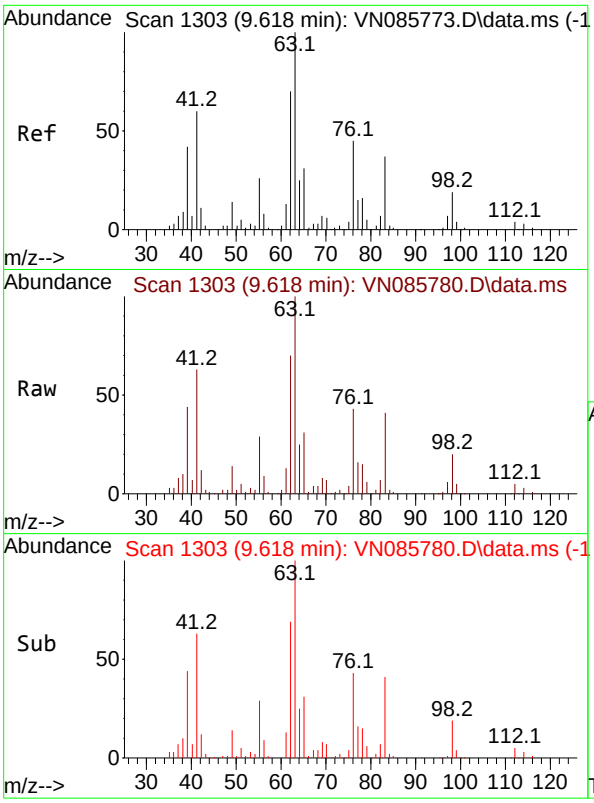


#44
Trichloroethene
Concen: 43.368 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:130 Resp: 161430

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	202.6

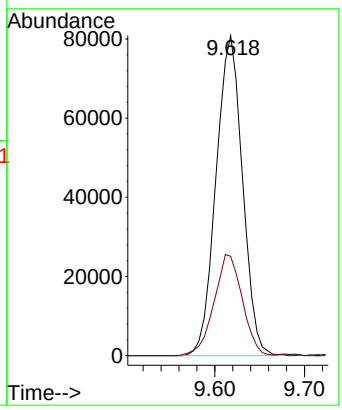




#45
1,2-Dichloropropane
Concen: 45.194 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 63 Resp: 16538

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.1	37.7



Instrument :
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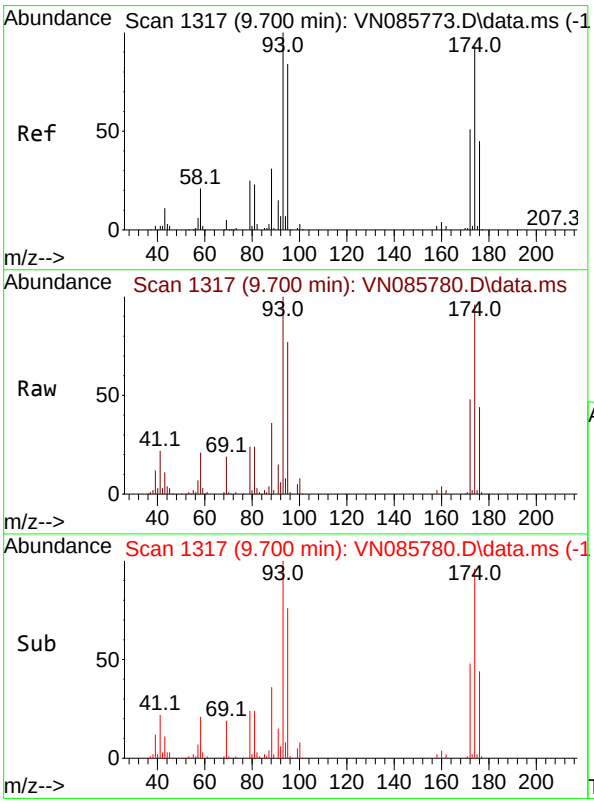
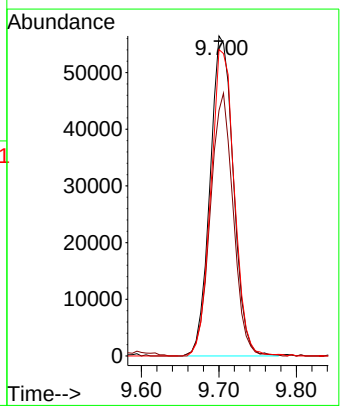
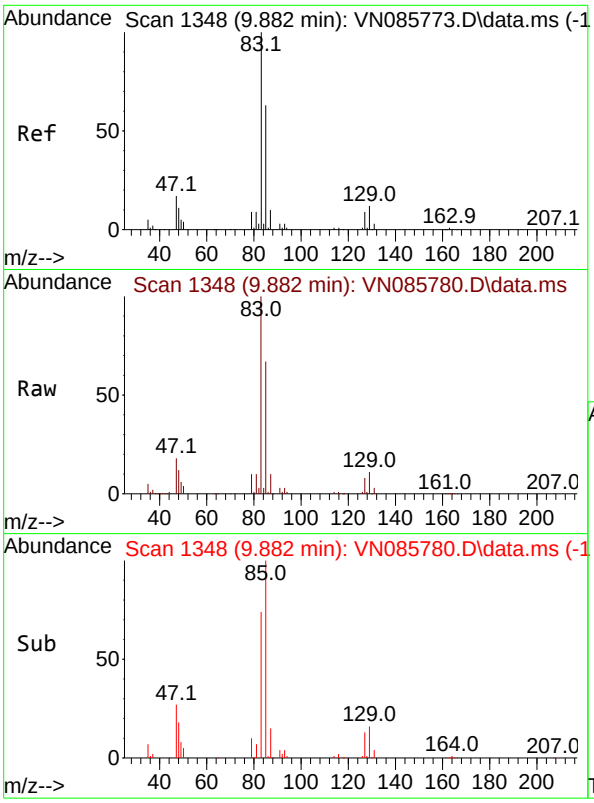


#46
Dibromomethane
Concen: 45.867 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 93 Resp: 118394

Ion	Ratio	Lower	Upper
93	100		
95	80.3	66.7	100.1
174	96.1	77.2	115.8





#47
Bromodichloromethane
Concen: 44.443 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 83 Resp: 24543

Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.5	75.7
127	8.4	7.2	10.8

Instrument :
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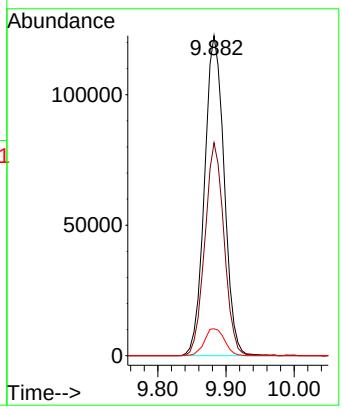
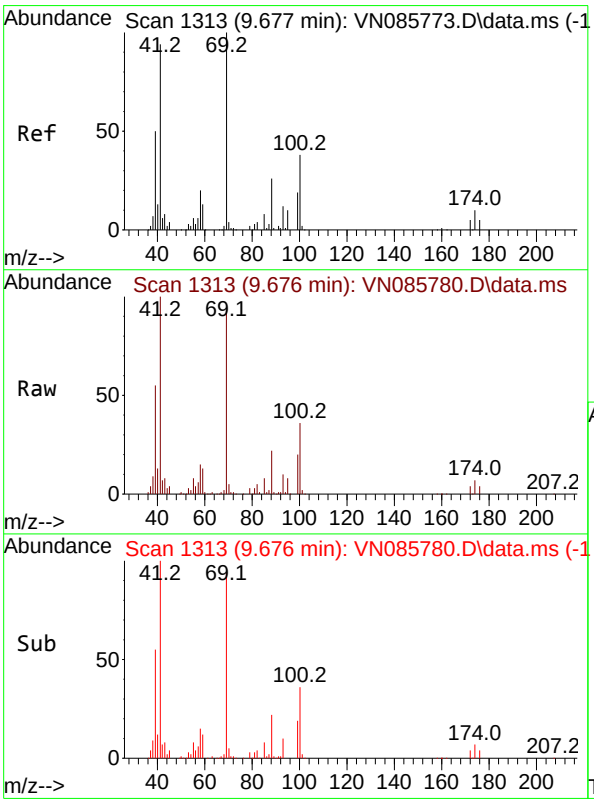
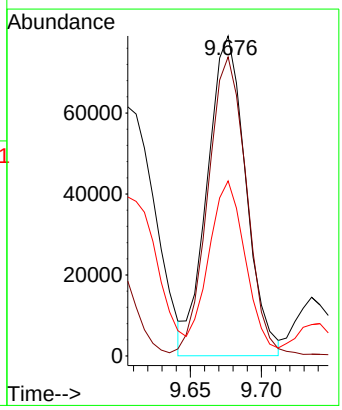


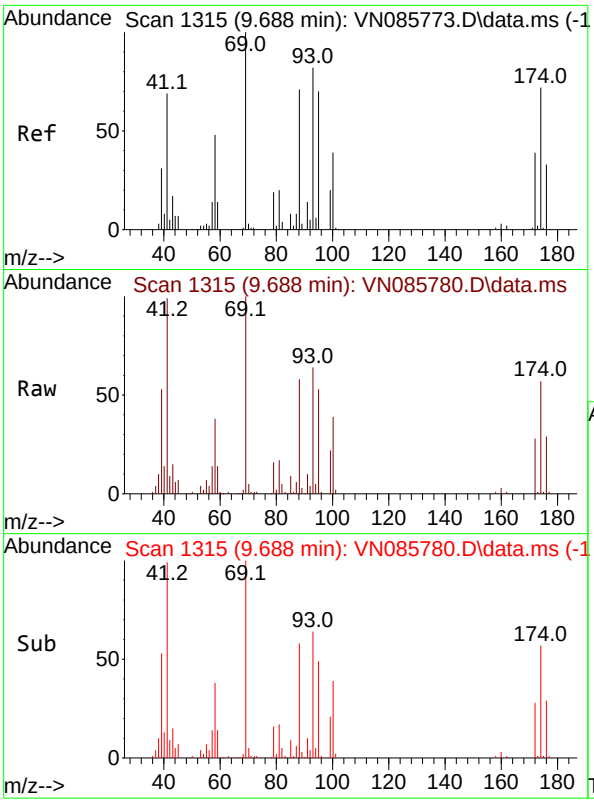


#48
Methyl methacrylate
Concen: 51.566 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 41 Resp: 149072

Ion	Ratio	Lower	Upper
41	100		
69	93.7	76.0	114.0
39	53.0	42.3	63.5

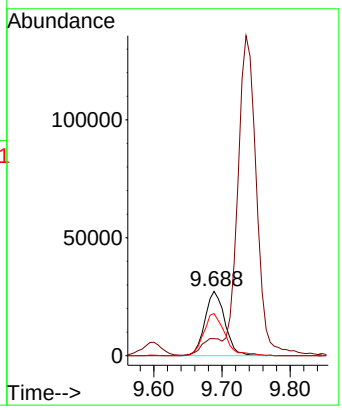




#49
1,4-Dioxane
Concen: 1010.103 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 88 Resp: 5552

Ion	Ratio	Lower	Upper
88	100		
43	26.0	18.6	27.8
58	70.1	56.7	85.1



Instrument :
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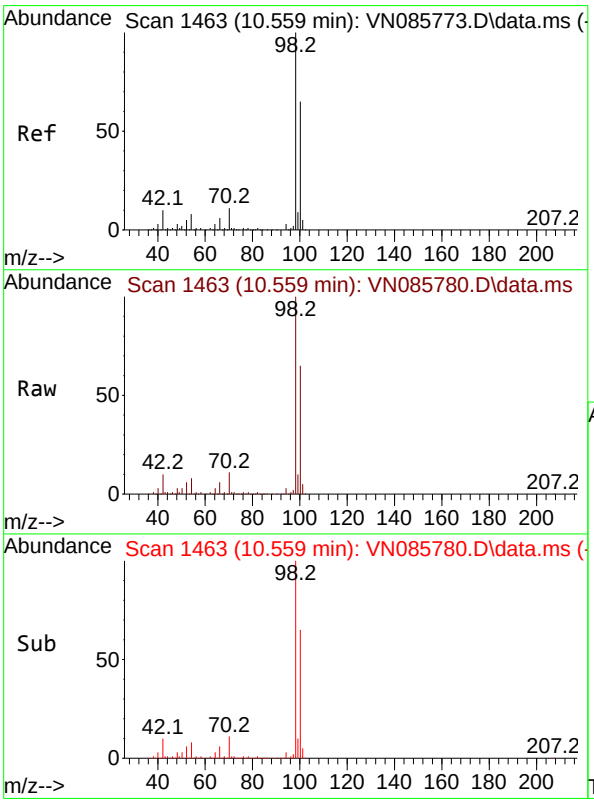
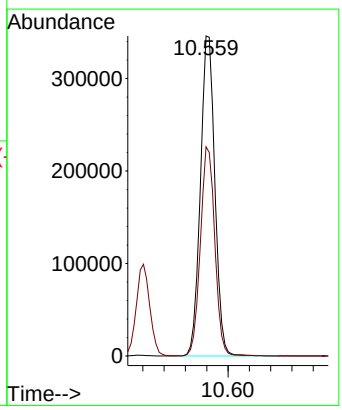
Supervised By :Mahesh Dadoda 02/19/2025

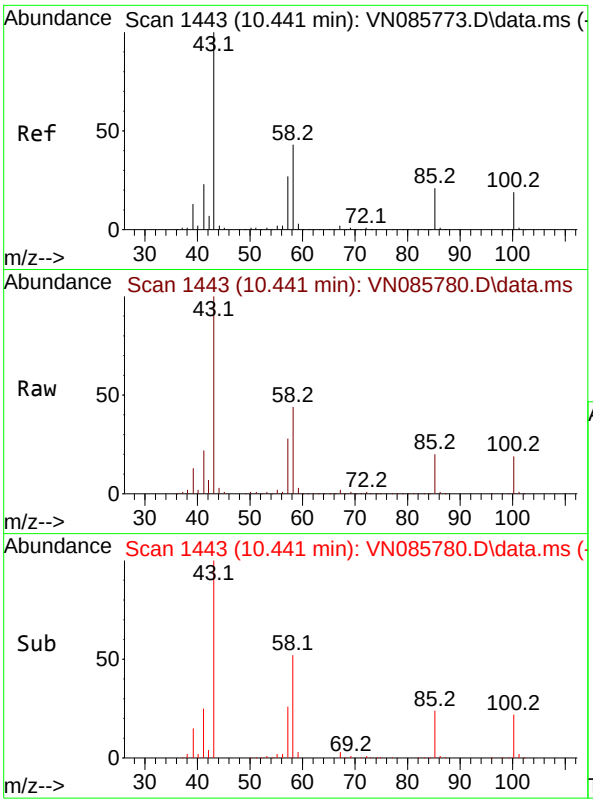


#50
Toluene-d8
Concen: 53.575 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 98 Resp: 651463

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 254.433 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 95488

Ion	Ratio	Lower	Upper
43	100		
58	43.4	34.6	52.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

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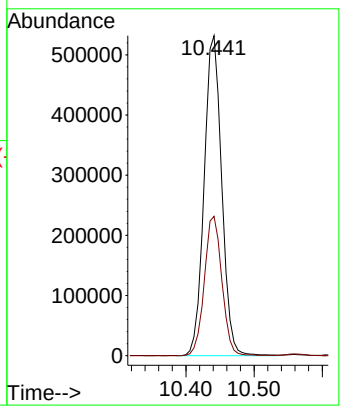
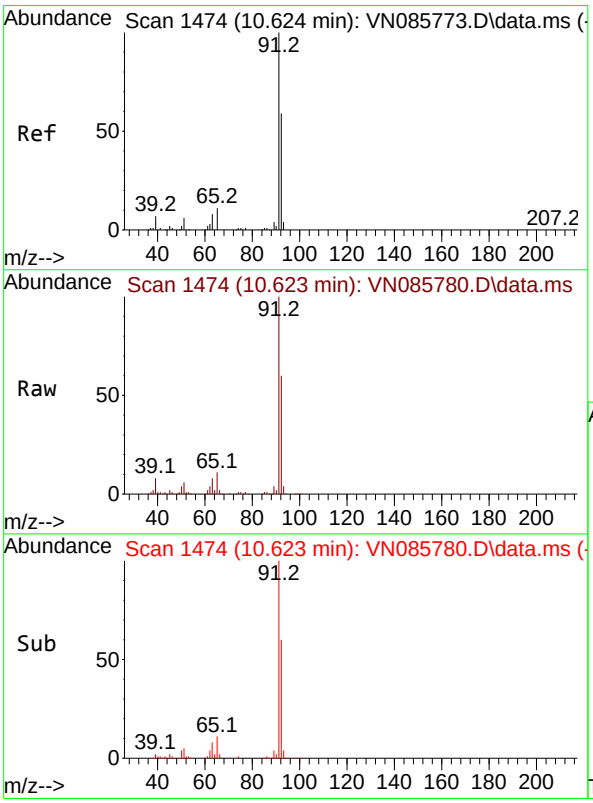
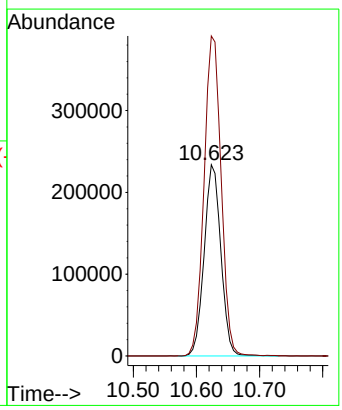


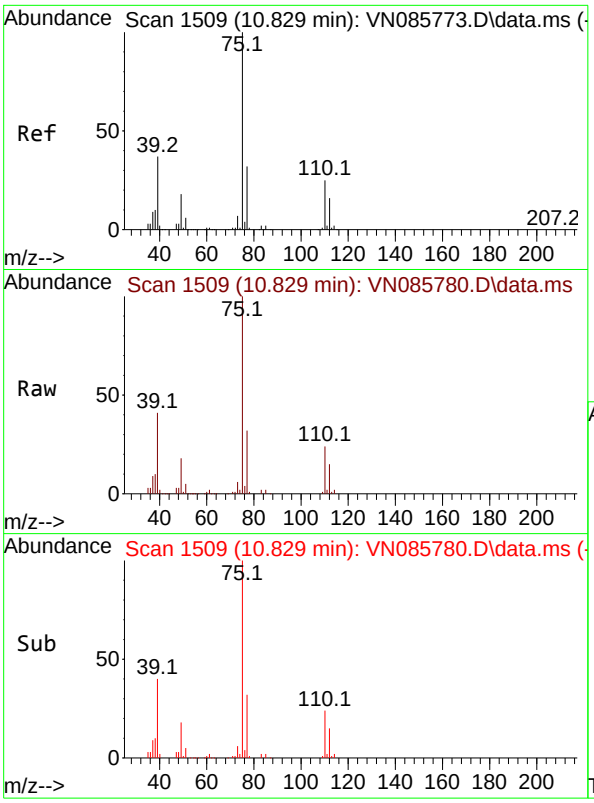


#52
Toluene
Concen: 48.324 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 92 Resp: 429445

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.9	205.3

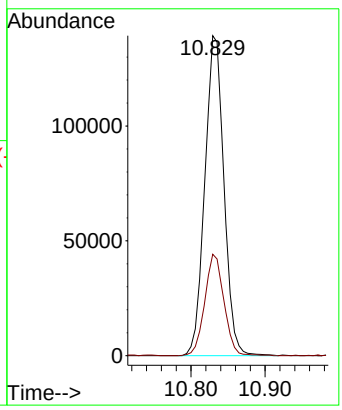




#53
t-1,3-Dichloropropene
Concen: 48.873 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 24957

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



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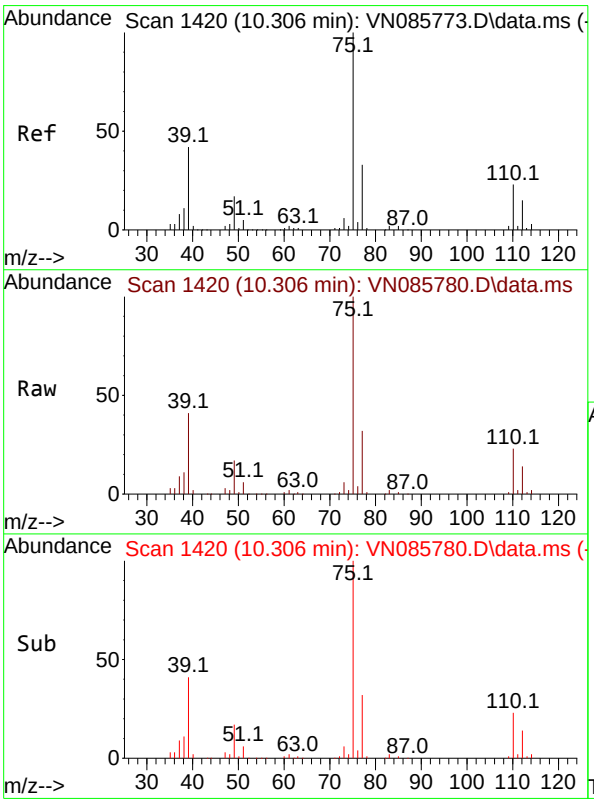
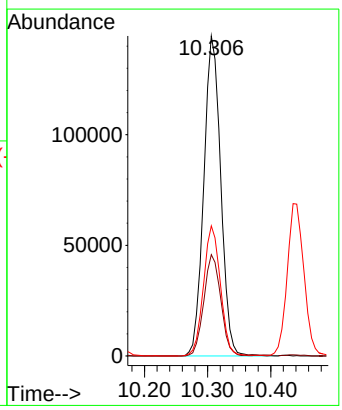
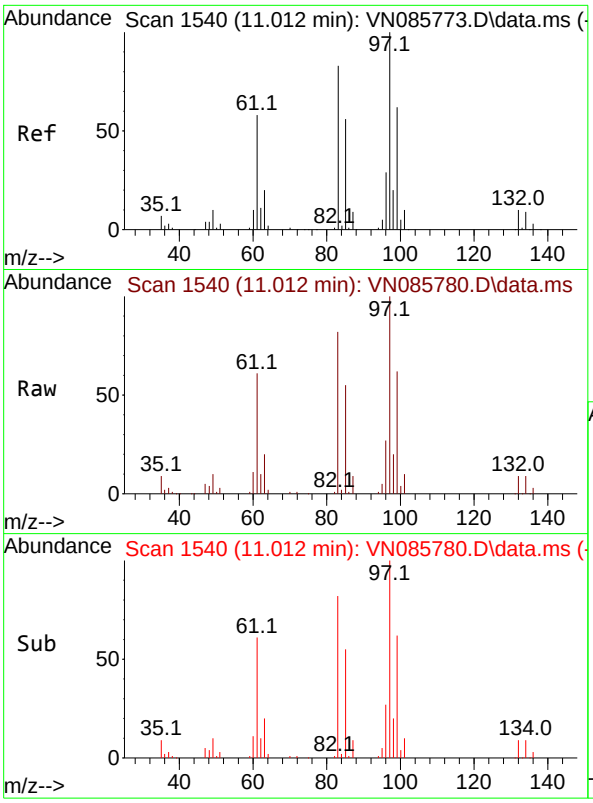


#54
cis-1,3-Dichloropropene
Concen: 48.172 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 269744

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	40.7	33.4	50.0

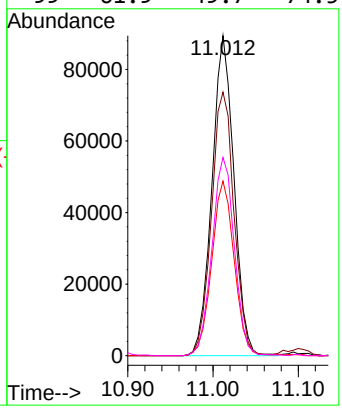




#55
1,1,2-Trichloroethane
Concen: 45.289 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 97 Resp: 16002

Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.1	99.1
85	54.5	44.7	67.1
99	61.9	49.7	74.5



Instrument :
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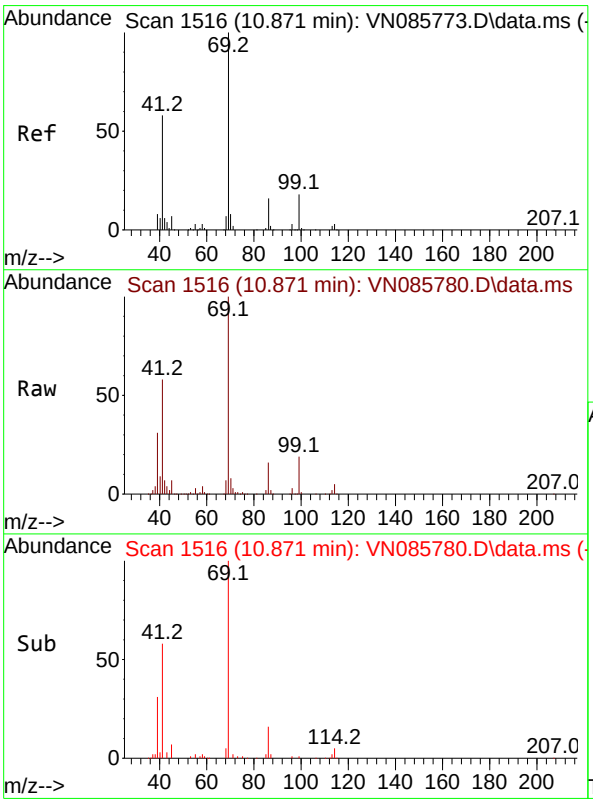
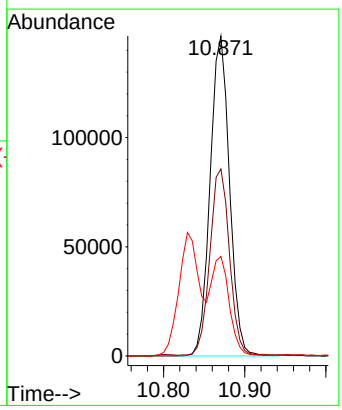
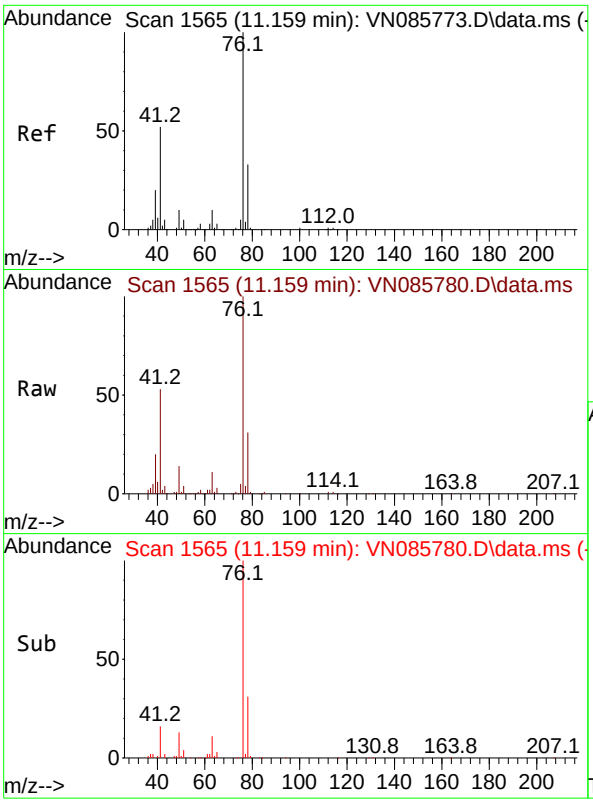


#56
Ethyl methacrylate
Concen: 48.142 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 69 Resp: 243449

Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.0	69.0
39	28.2	22.0	33.0

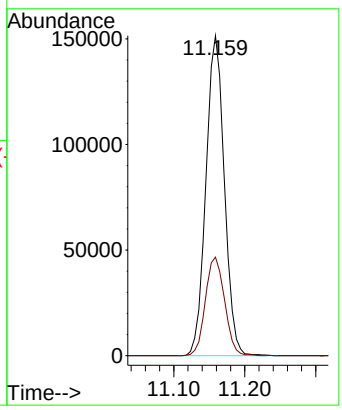




#57
1,3-Dichloropropane
Concen: 46.254 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 76 Resp: 27281

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9



Instrument :
MSVOA_N
ClientSampleId :
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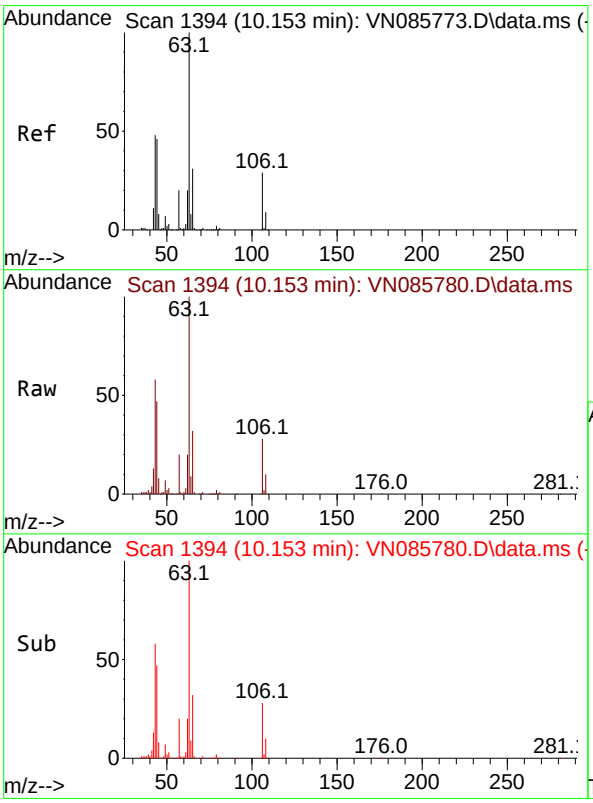
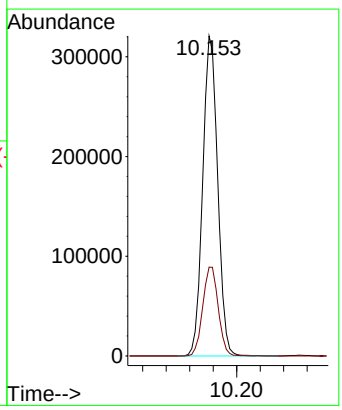
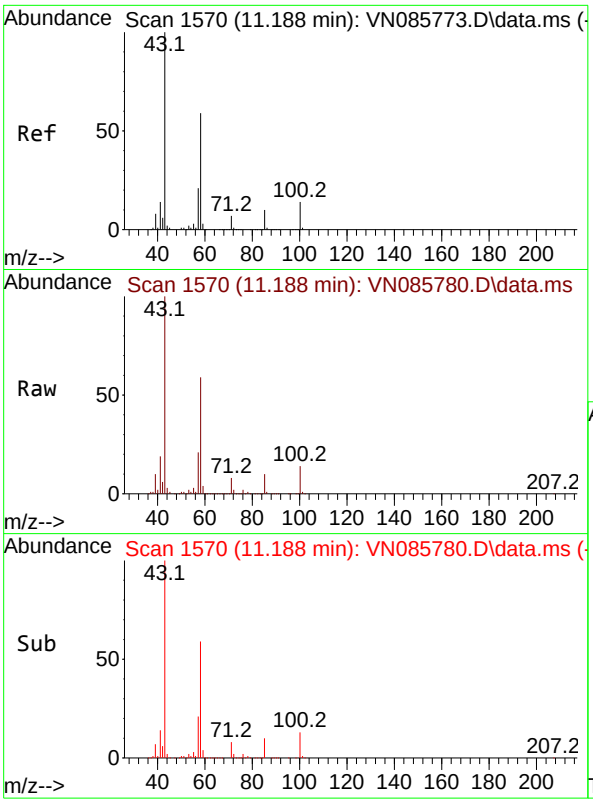


#58
2-Chloroethyl Vinyl ether
Concen: 276.203 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 63 Resp: 565673

Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.7	34.1

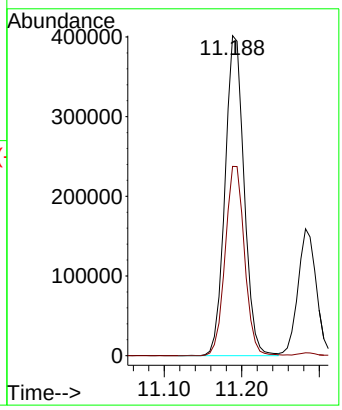




#59
2-Hexanone
Concen: 266.284 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 68750

Ion	Ratio	Lower	Upper
43	100		
58	60.0	29.8	89.5



Instrument :
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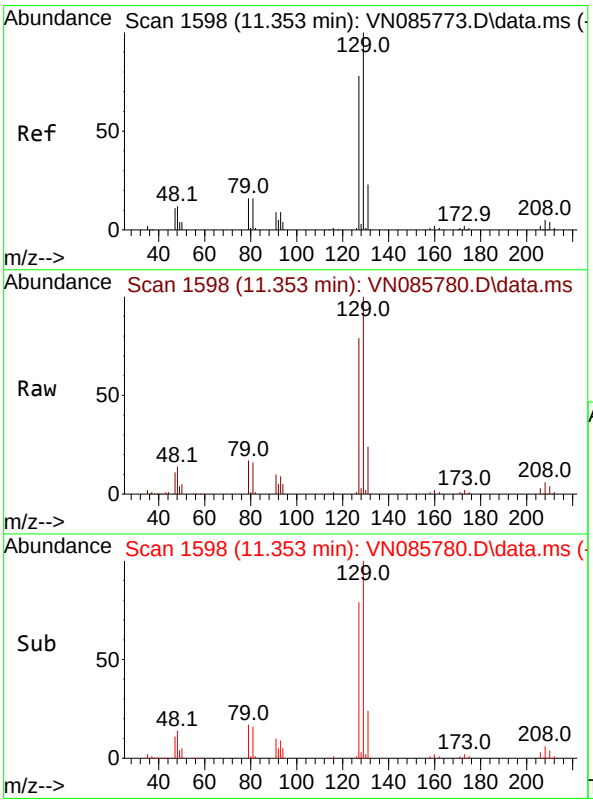
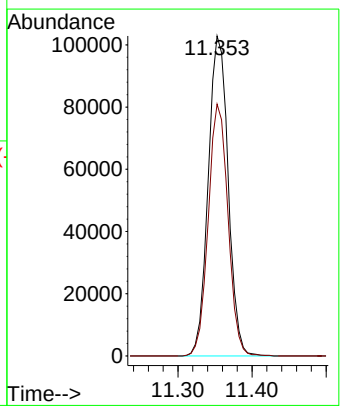
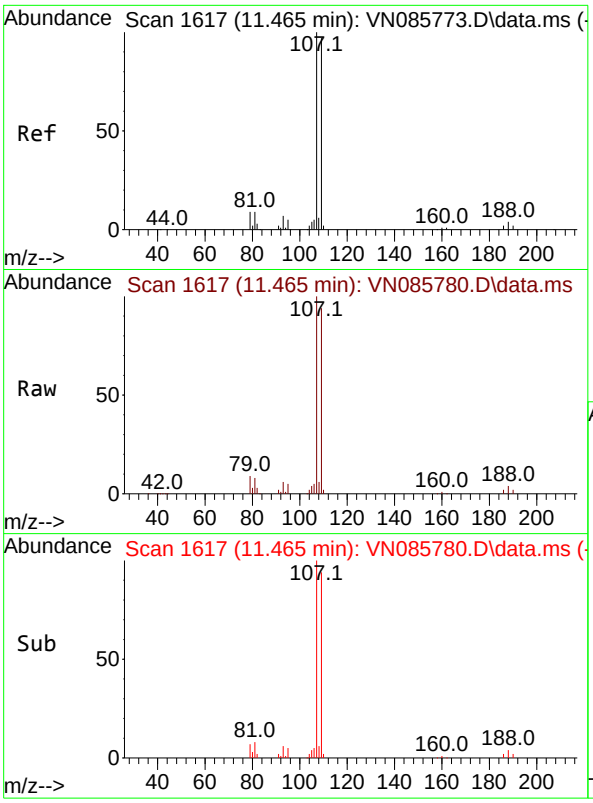


#60
Dibromochloromethane
Concen: 46.707 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:129 Resp: 192169

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.5





#61
1,2-Dibromoethane
Concen: 47.208 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:107 Resp: 15760

Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.0	114.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

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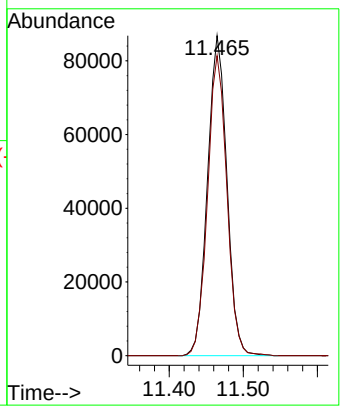
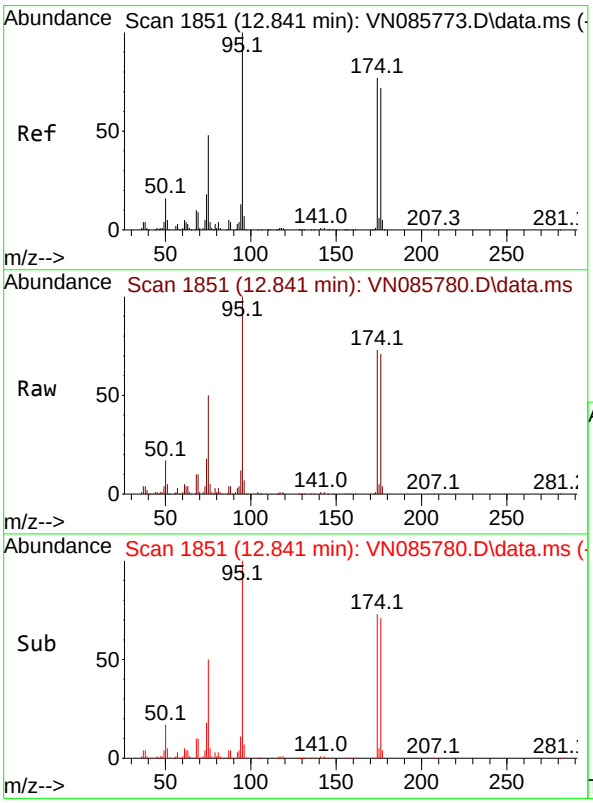
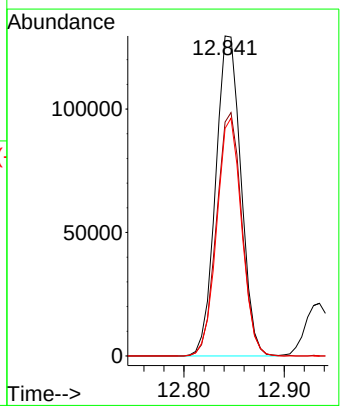


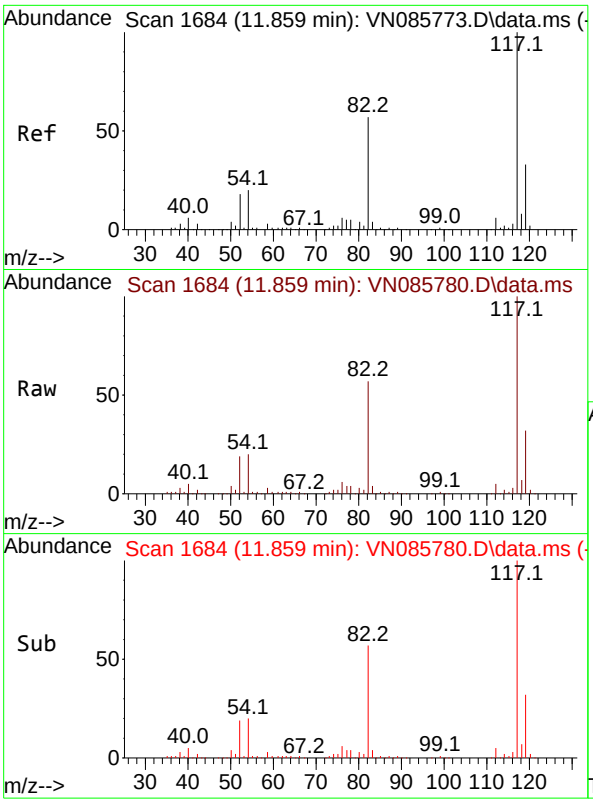


#62
4-Bromofluorobenzene
Concen: 56.665 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 95 Resp: 227023

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	152.4
176	73.1	0.0	146.6

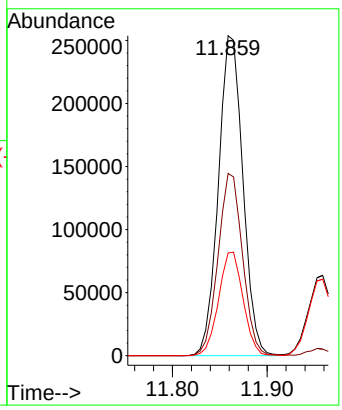




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:117 Resp: 45648

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.7	68.5
119	32.1	26.2	39.2



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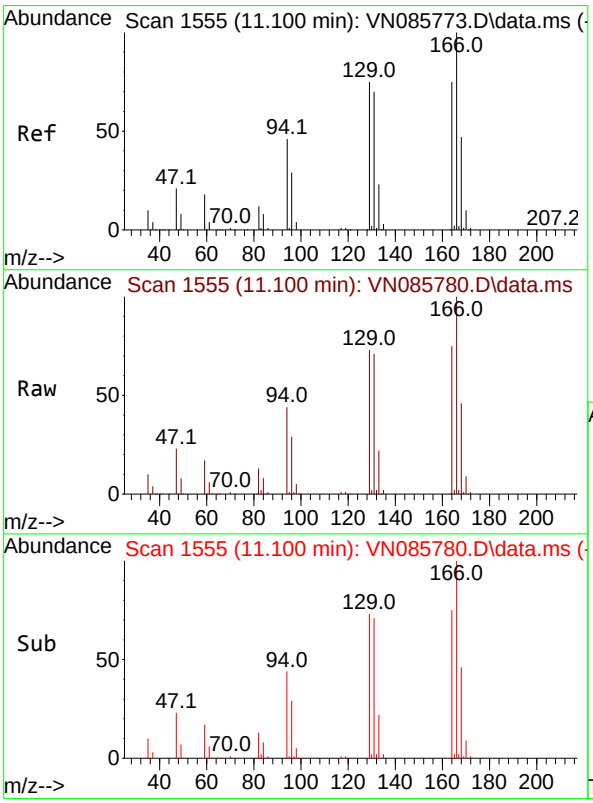
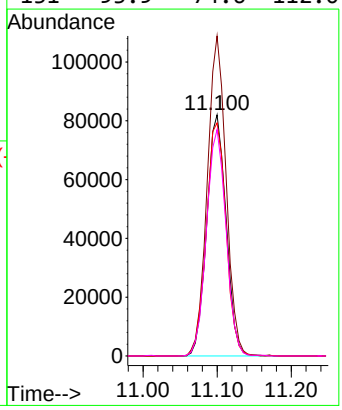
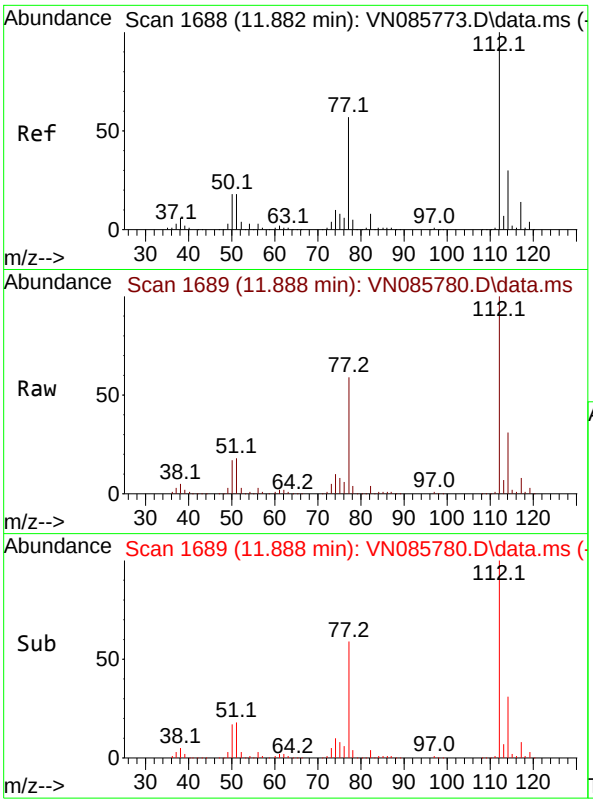


#64
Tetrachloroethene
Concen: 42.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:164 Resp: 148840

Ion	Ratio	Lower	Upper
164	100		
166	132.7	107.2	160.8
129	96.7	80.7	121.1
131	93.9	74.6	112.0

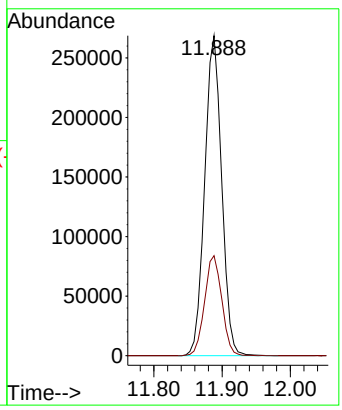




#65
Chlorobenzene
Concen: 44.422 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:112 Resp: 46454

Ion	Ratio	Lower	Upper
112	100		
114	31.2	24.3	36.5



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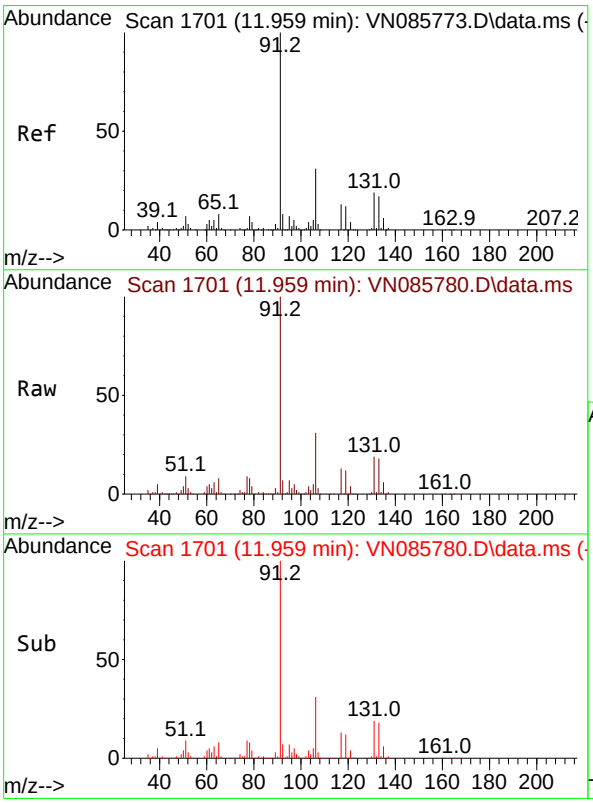
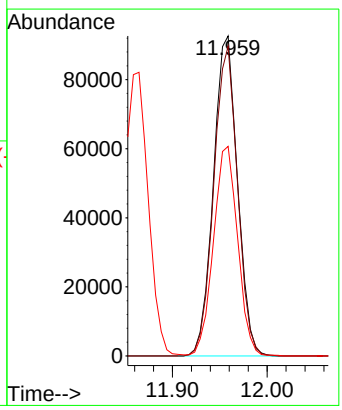
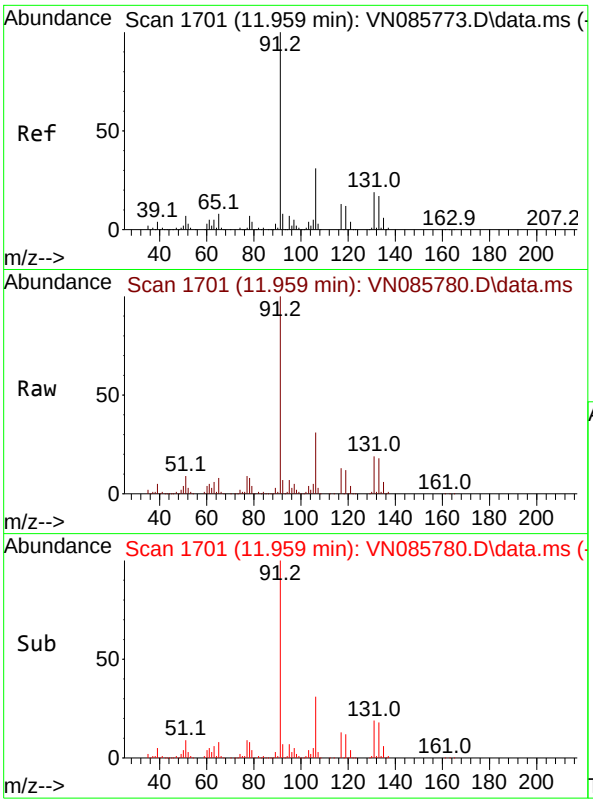


#66
1,1,1,2-Tetrachloroethane
Concen: 43.545 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:131 Resp: 163676

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.7	143.1
119	65.9	33.3	99.8

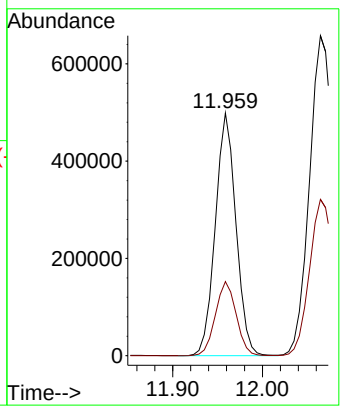




#67
Ethyl Benzene
Concen: 48.655 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 91 Resp: 79702

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.7	37.1



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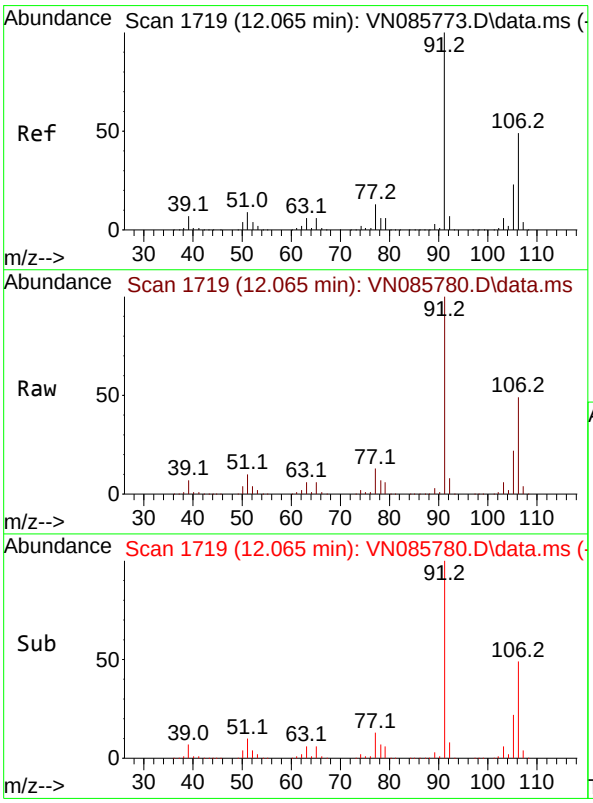
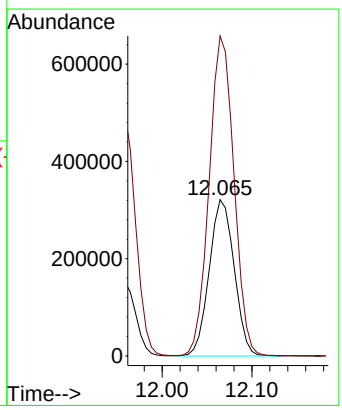
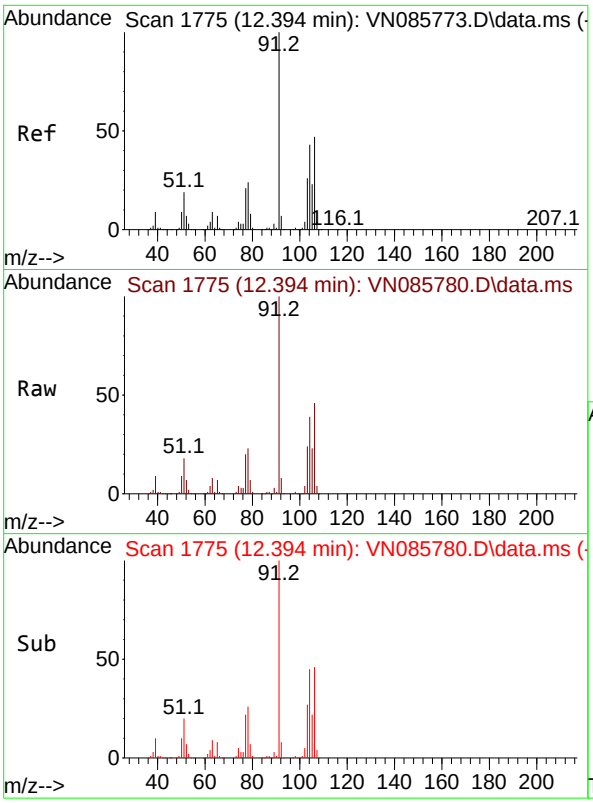


#68
m/p-Xylenes
Concen: 99.562 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:106 Resp: 619505

Ion	Ratio	Lower	Upper
106	100		
91	204.1	163.3	244.9





#69
o-Xylene
Concen: 49.837 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:106 Resp: 29467

Ion	Ratio	Lower	Upper
106	100		
91	214.7	107.1	321.4

Instrument :
MSVOA_N
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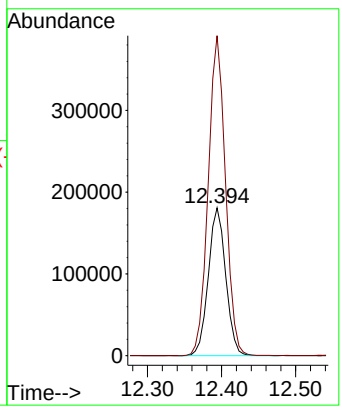
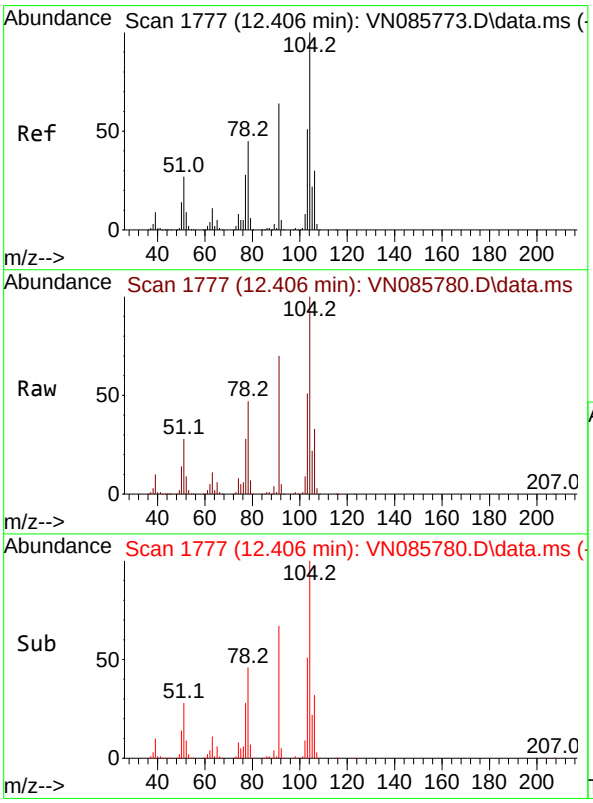
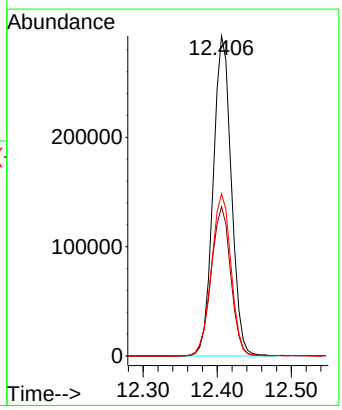


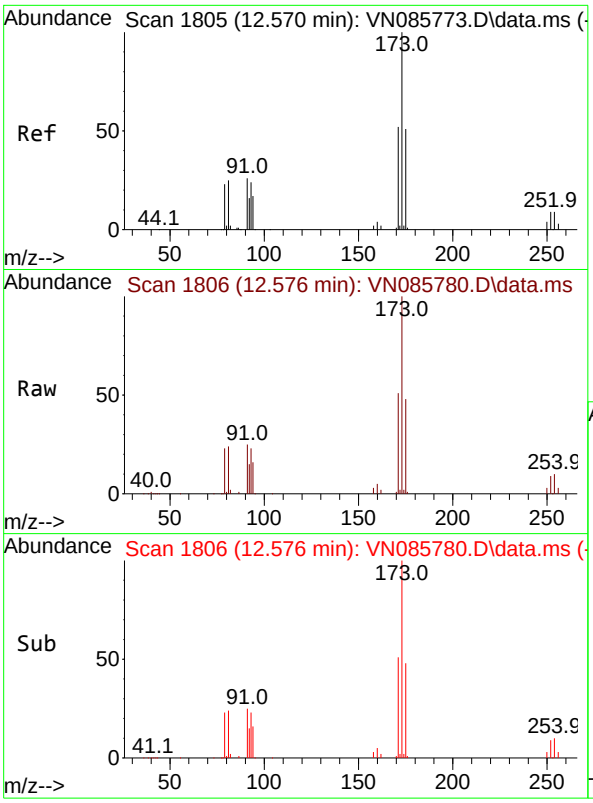


#70
Styrene
Concen: 45.726 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:104 Resp: 498501

Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.0	58.6
103	54.7	43.3	64.9

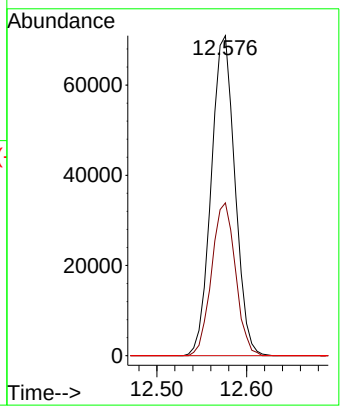




#71
Bromoform
Concen: 46.617 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:173 Resp: 13020

Ion	Ratio	Lower	Upper
173	100		
175	48.1	25.1	75.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
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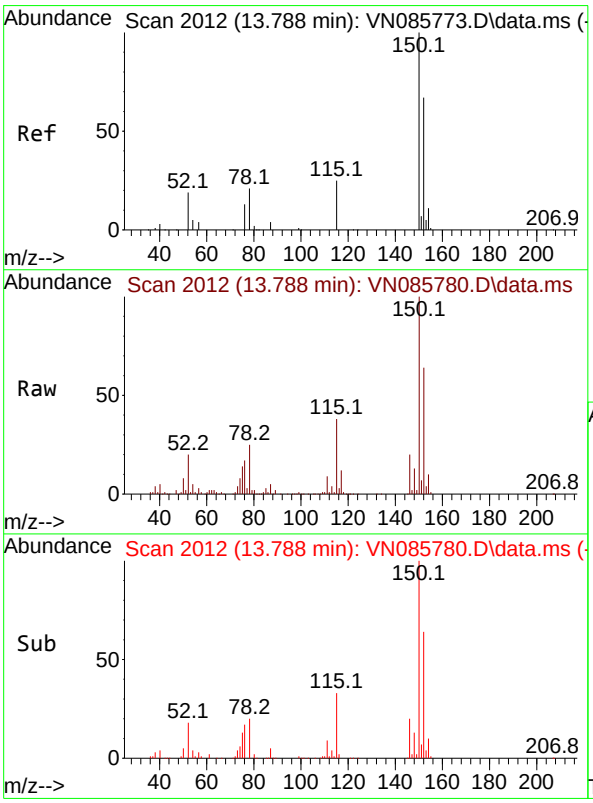
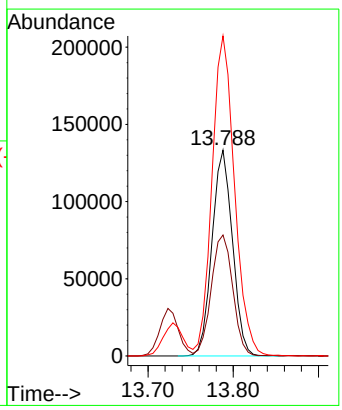
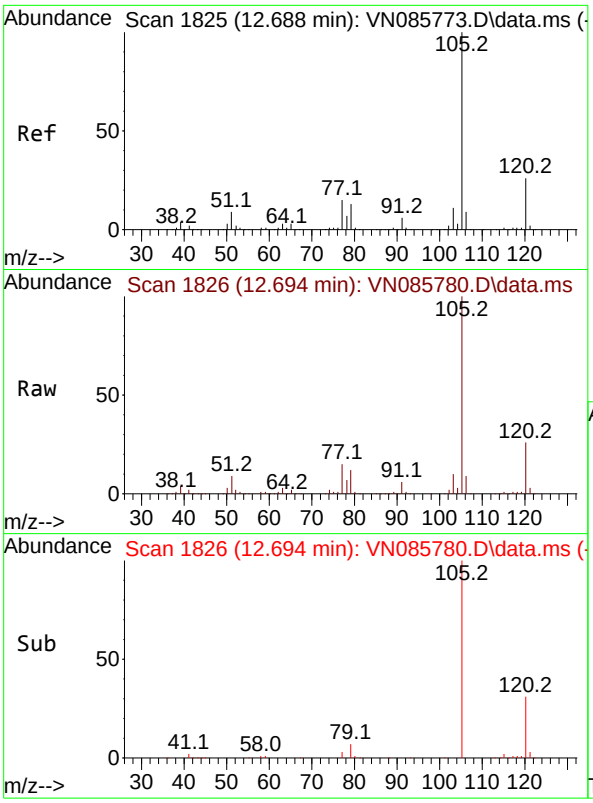


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:152 Resp: 222696

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.4	91.3
150	171.4	0.0	345.4





#73
Isopropylbenzene
Concen: 49.002 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:105 Resp: 74760

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

Instrument :
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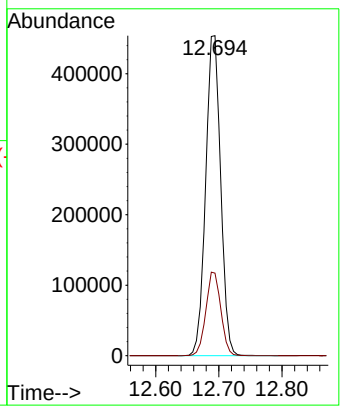
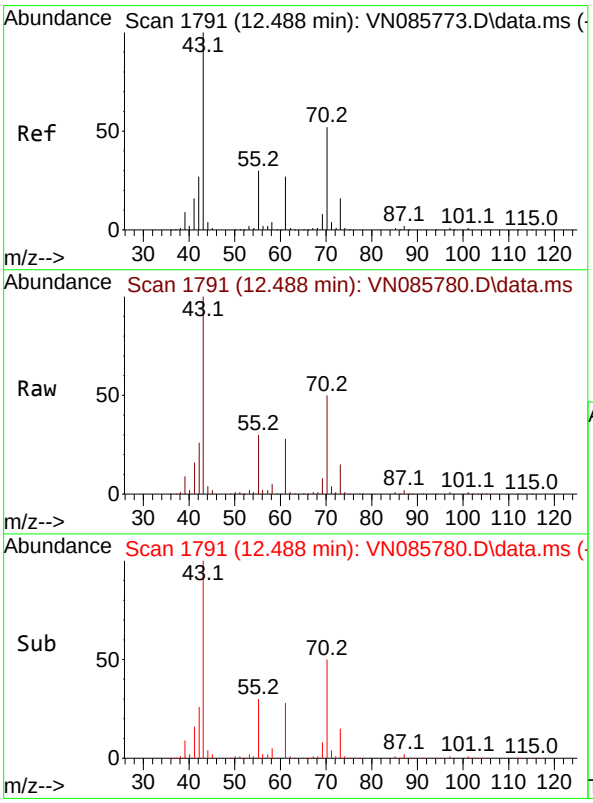
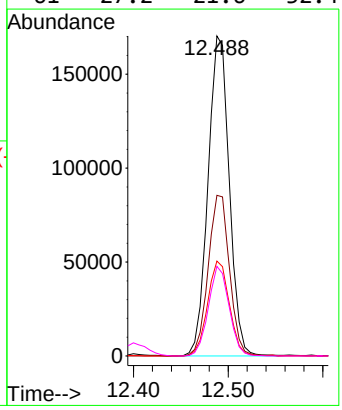


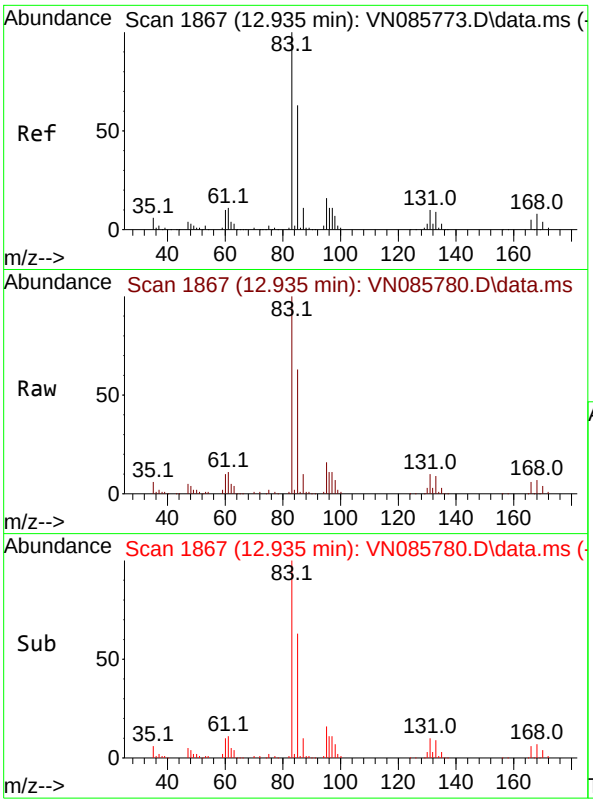


#74
N-amyl acetate
Concen: 49.401 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 265786

Ion	Ratio	Lower	Upper
43	100		
70	50.4	41.0	61.4
55	30.4	24.6	36.8
61	27.2	21.6	32.4

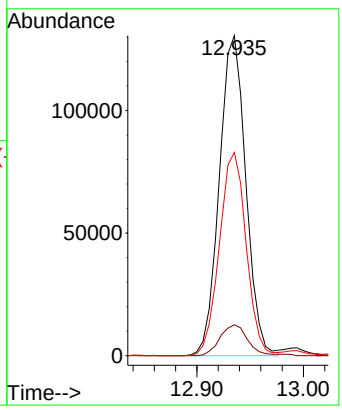




#75
1,1,2,2-Tetrachloroethane
Concen: 43.005 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 83 Resp: 22577

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.1	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
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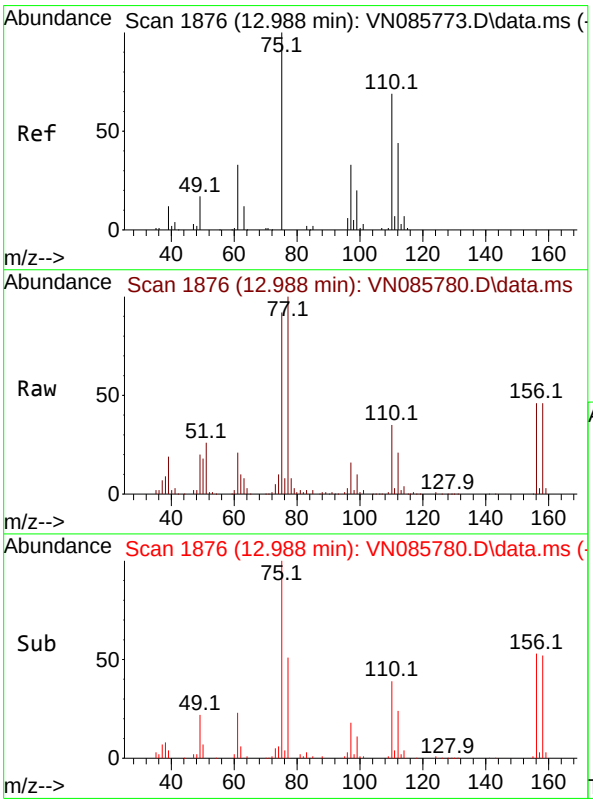
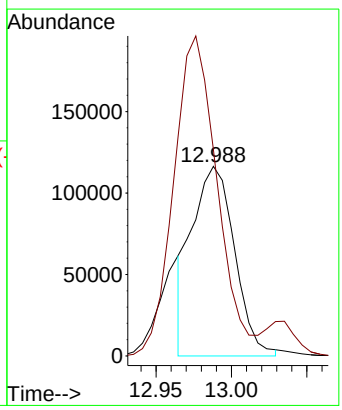
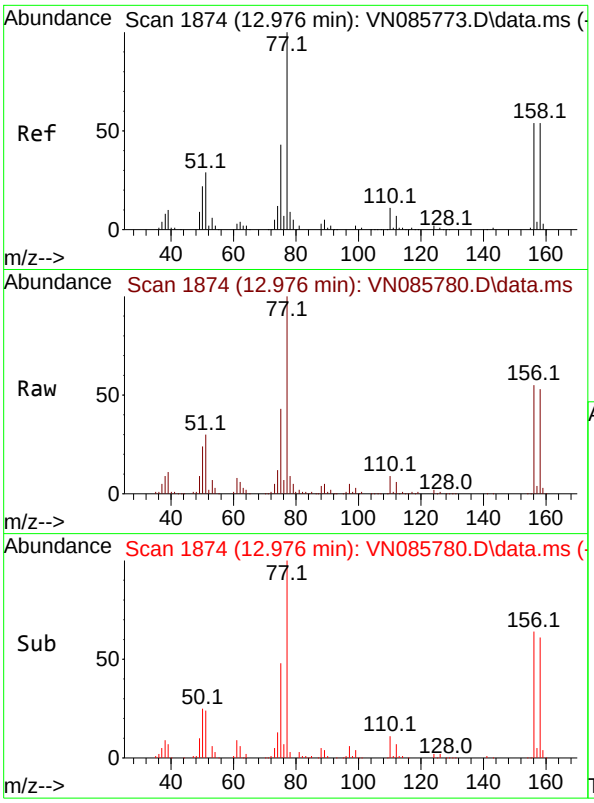


#76
1,2,3-Trichloropropane
Concen: 46.070 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 227901

Ion	Ratio	Lower	Upper
75	100		
77	173.0	100.0	300.0

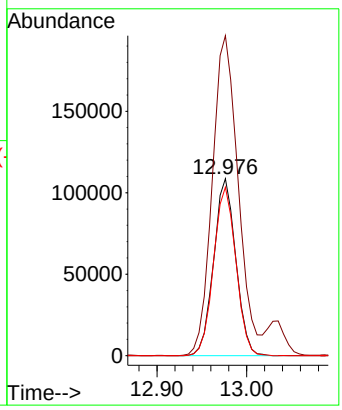




#77
Bromobenzene
Concen: 45.084 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:156 Resp: 18583

Ion	Ratio	Lower	Upper
156	100		
77	212.1	104.1	312.3
158	96.2	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

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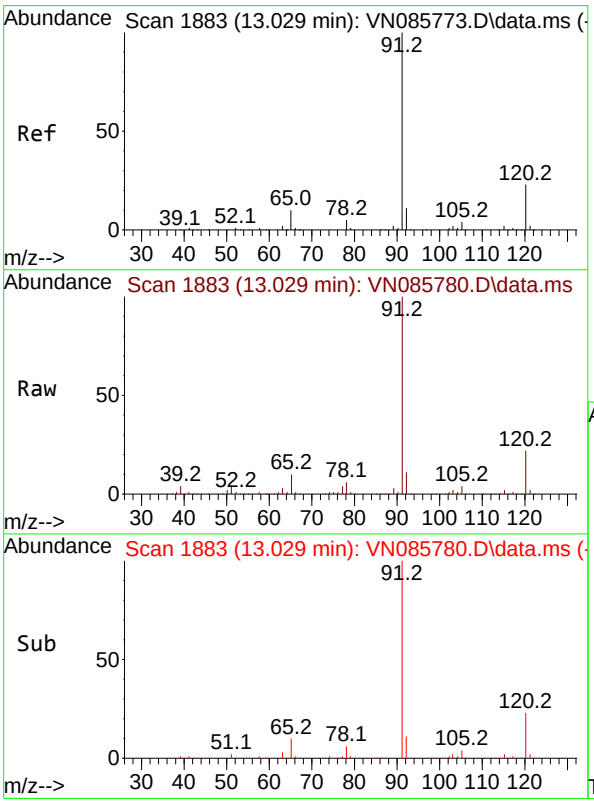
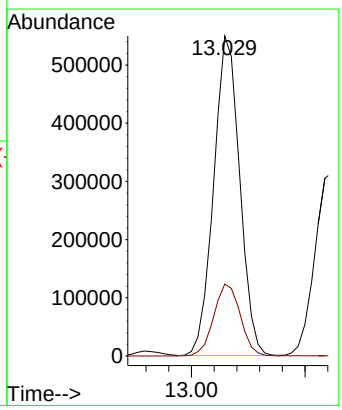
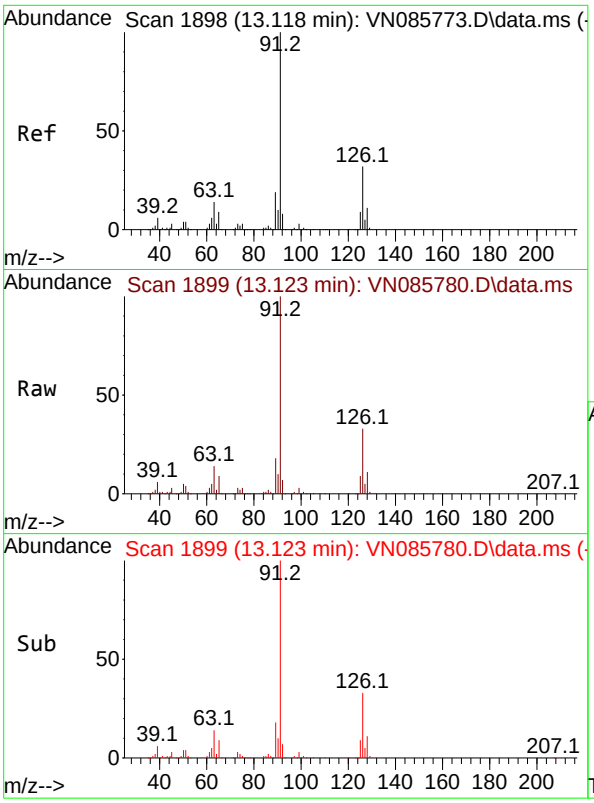


#78
n-propylbenzene
Concen: 49.927 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 91 Resp: 872362

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.8

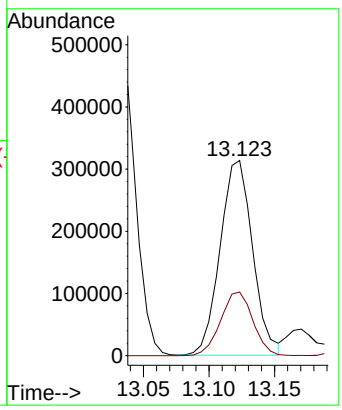




#79
2-Chlorotoluene
Concen: 46.350 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 91 Resp: 54110

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

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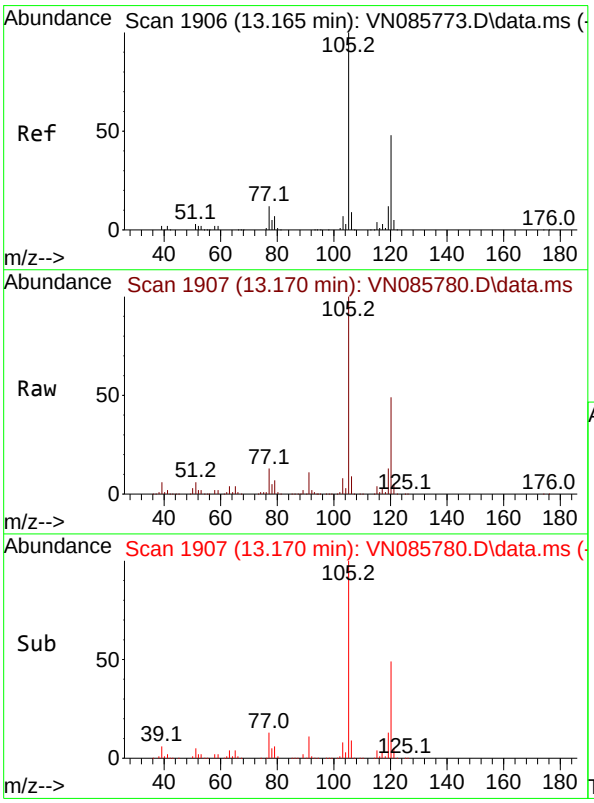
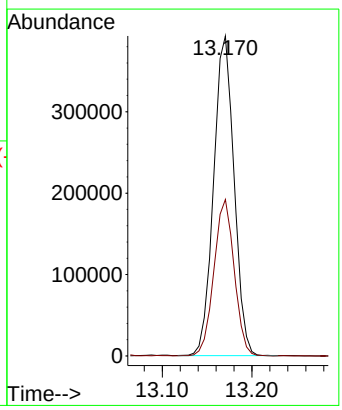
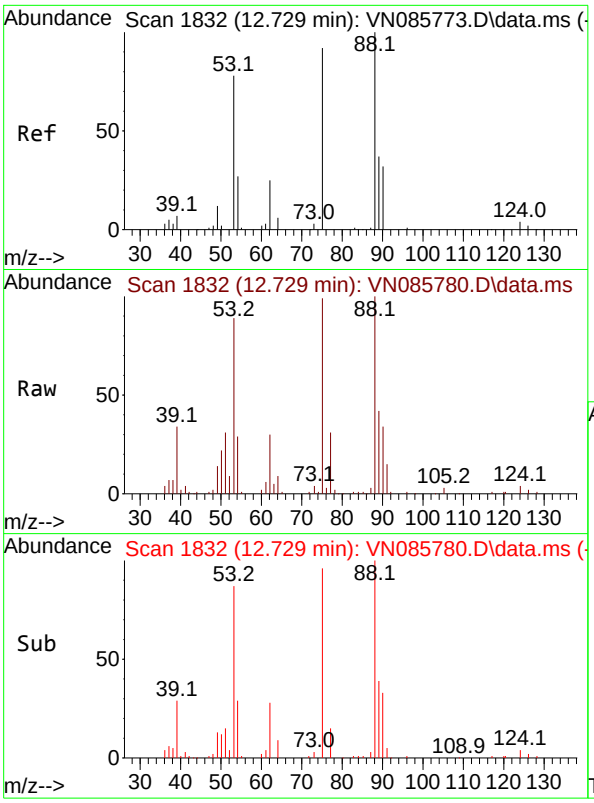


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:105 Resp: 622090

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 47.152 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 7994

Ion	Ratio	Lower	Upper
75	100		
53	100.7	74.2	111.4
89	45.0	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
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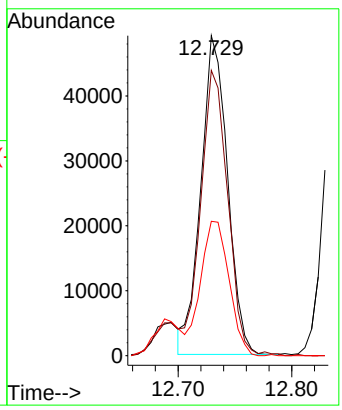
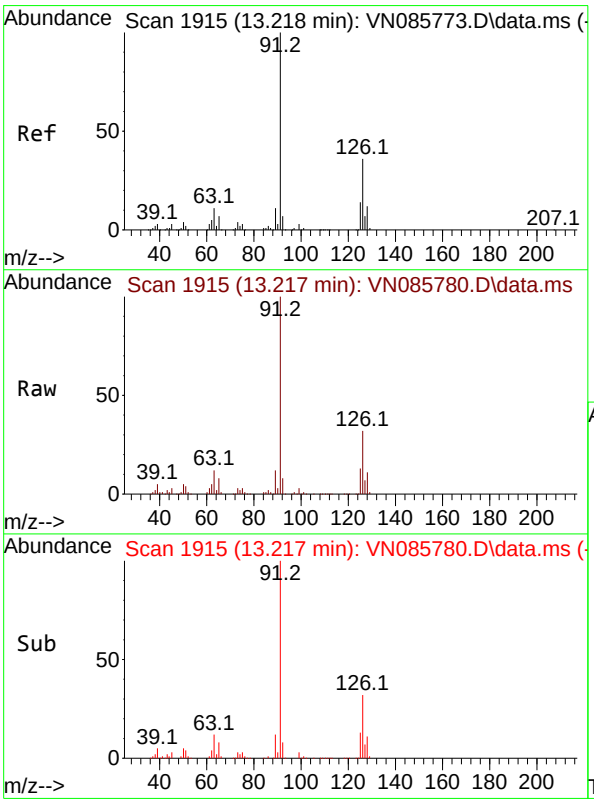
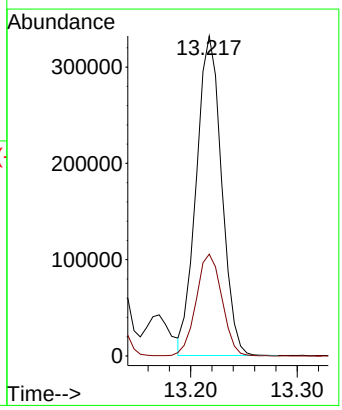


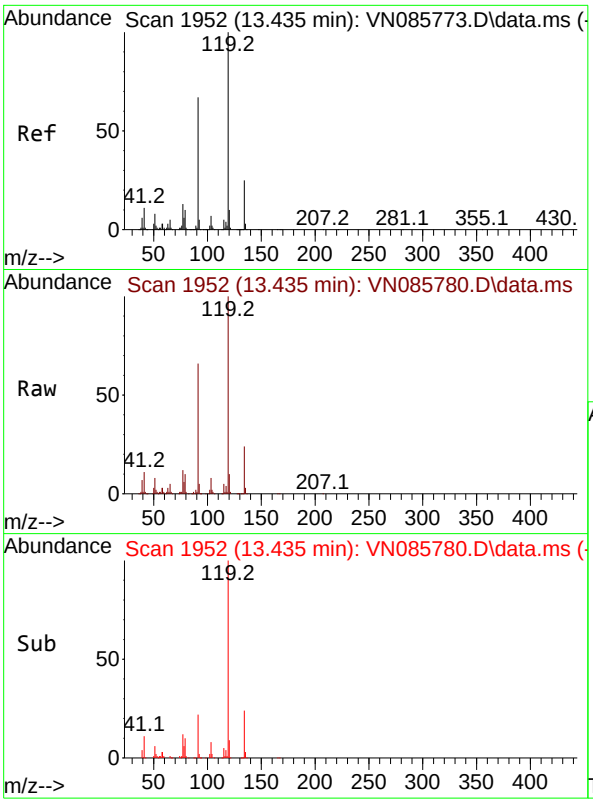


#82
4-Chlorotoluene
Concen: 47.401 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 91 Resp: 548585

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4

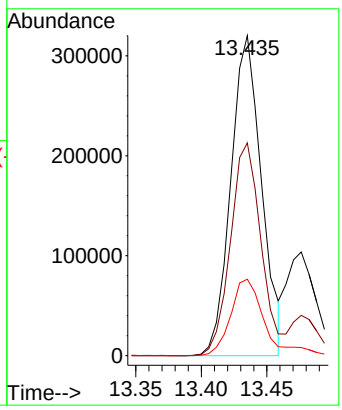




#83
tert-Butylbenzene
Concen: 49.904 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:119 Resp: 52155

Ion	Ratio	Lower	Upper
119	100		
91	66.9	32.5	97.5
134	26.4	13.3	39.9



Instrument :
MSVOA_N
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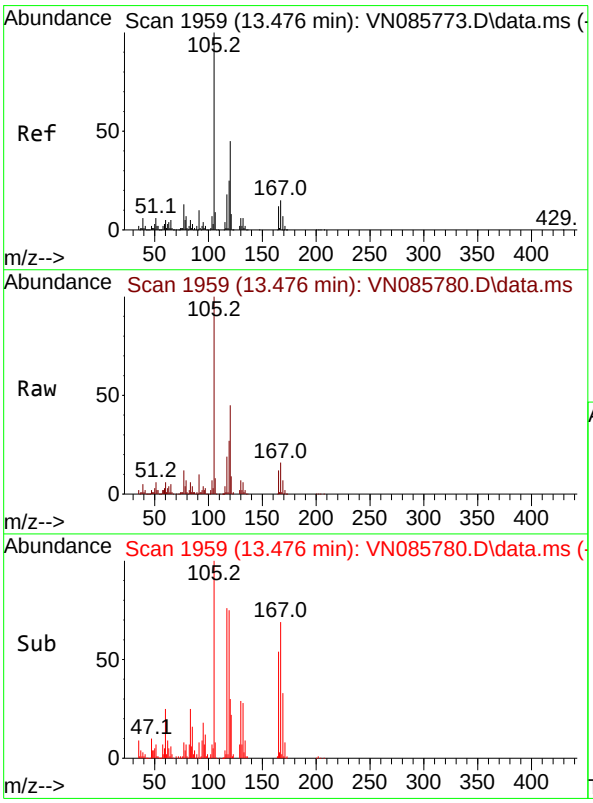
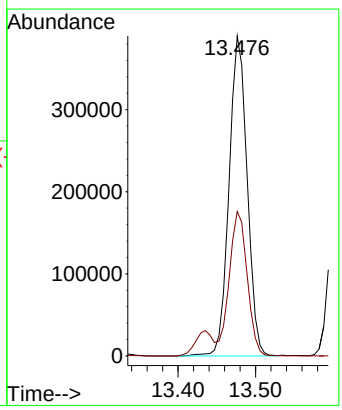
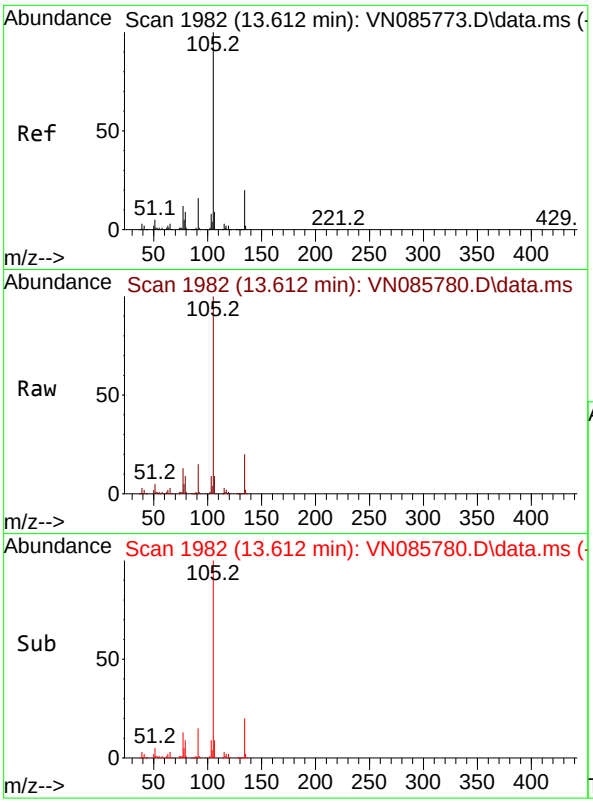


#84
1,2,4-Trimethylbenzene
Concen: 51.531 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:105 Resp: 633621

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3

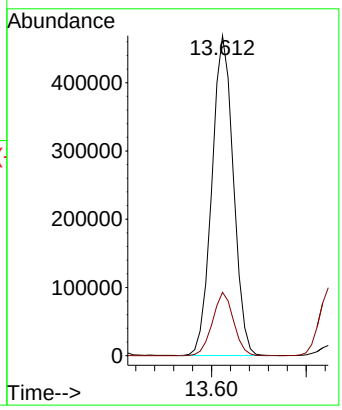




#85
sec-Butylbenzene
Concen: 49.925 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:105 Resp: 73720

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
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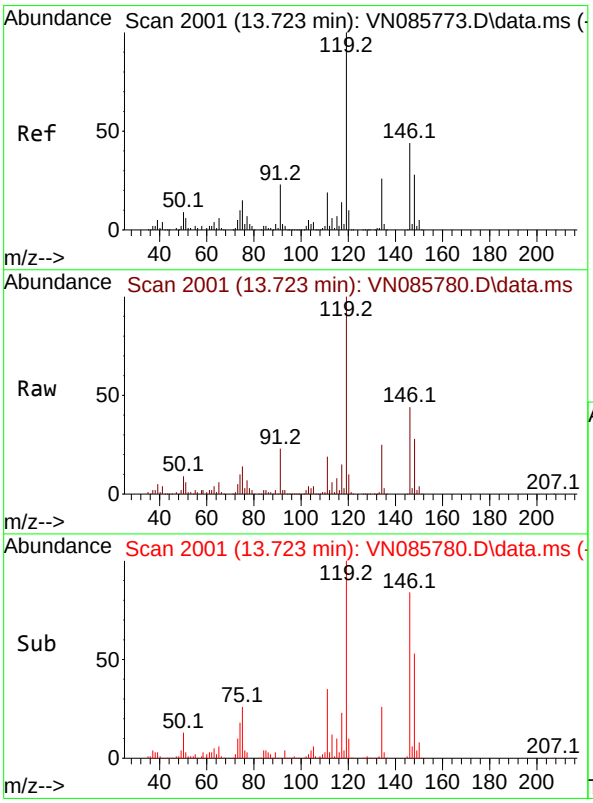
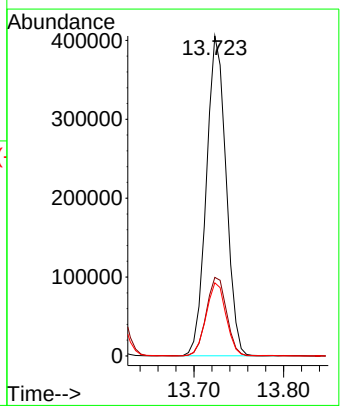
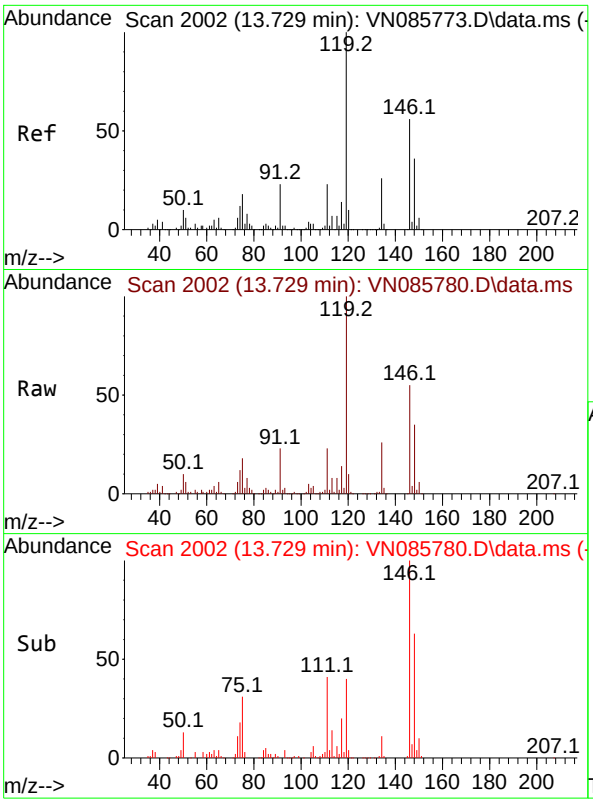


#86
p-Isopropyltoluene
Concen: 46.012 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:119 Resp: 617918

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	23.1	11.7	35.1

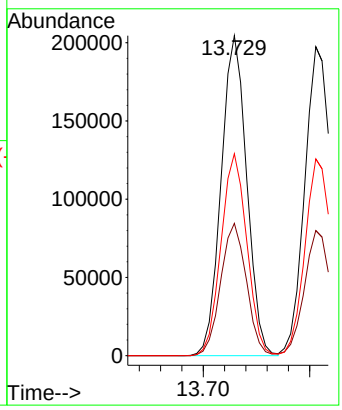




#87
1,3-Dichlorobenzene
Concen: 44.186 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:146 Resp: 34122

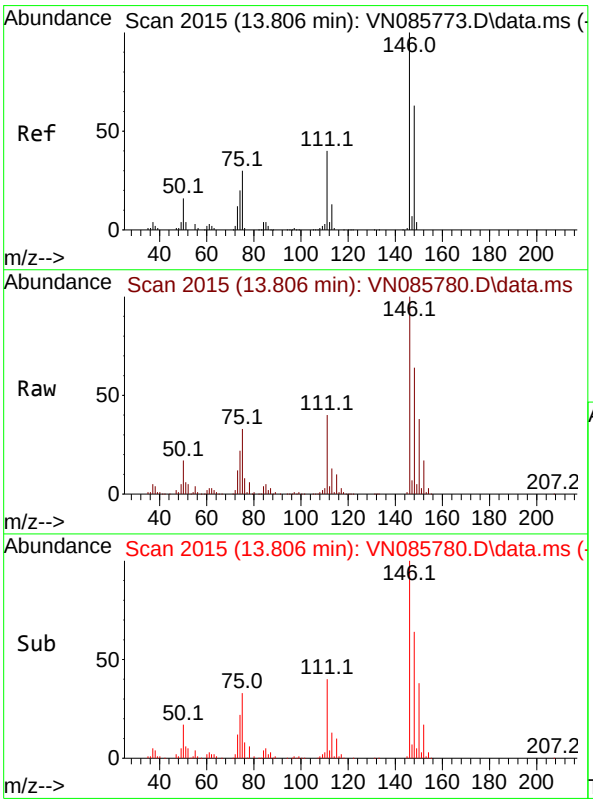
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	63.7	32.1	96.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

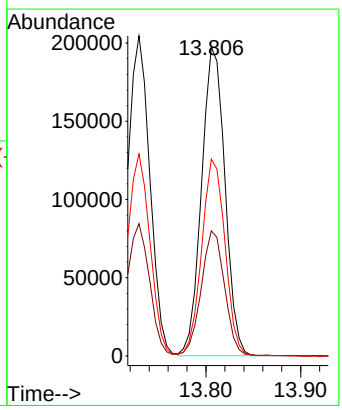
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

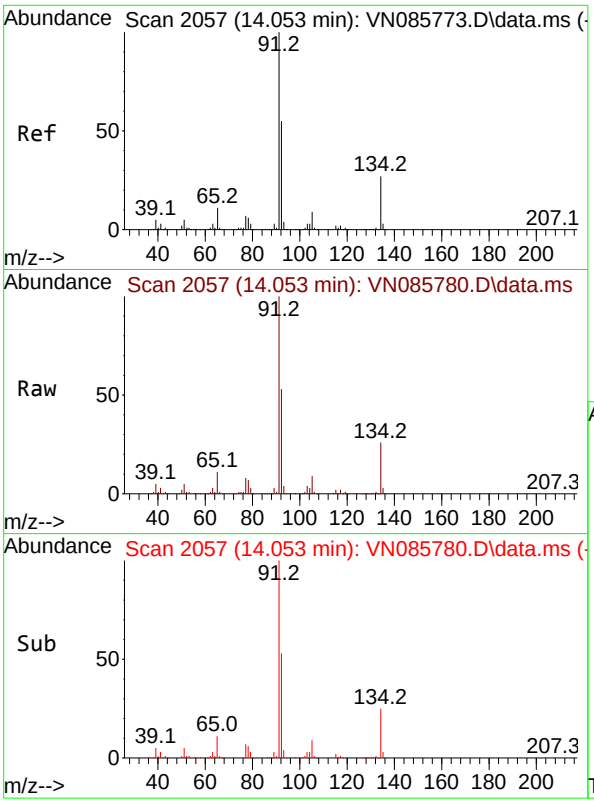


#88
1,4-Dichlorobenzene
Concen: 42.781 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:146 Resp: 338619

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.6	31.8	95.4





#89
n-Butylbenzene
Concen: 49.015 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

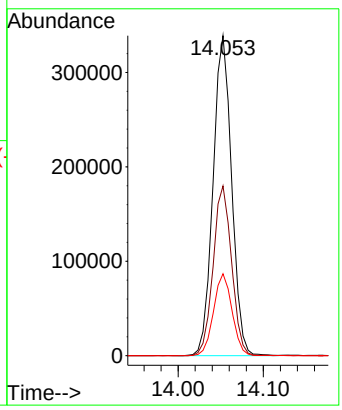
Tgt Ion: 91 Resp: 51386

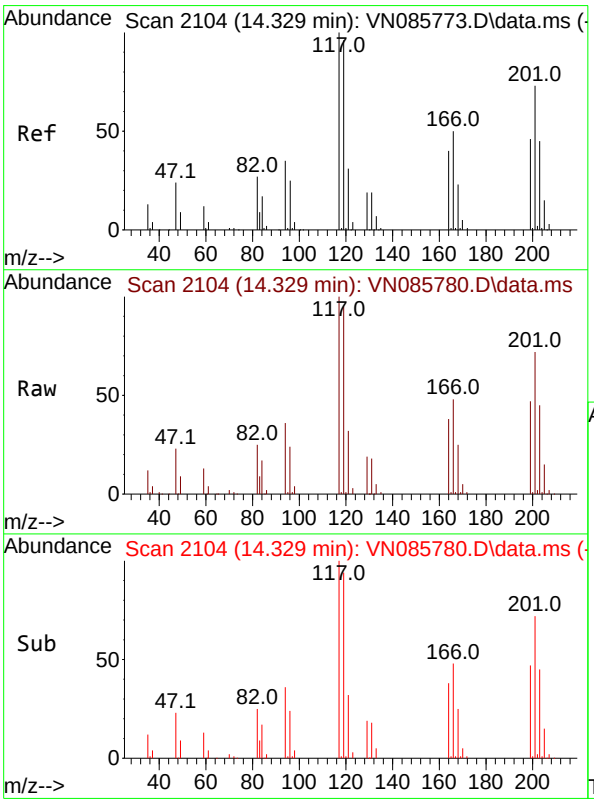
Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.1	81.3
134	25.5	12.7	38.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

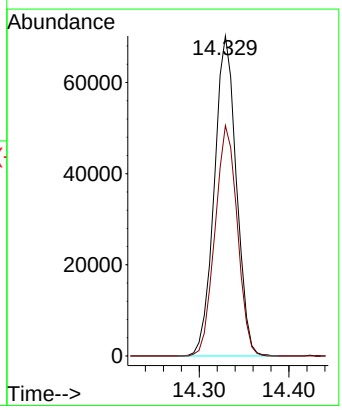


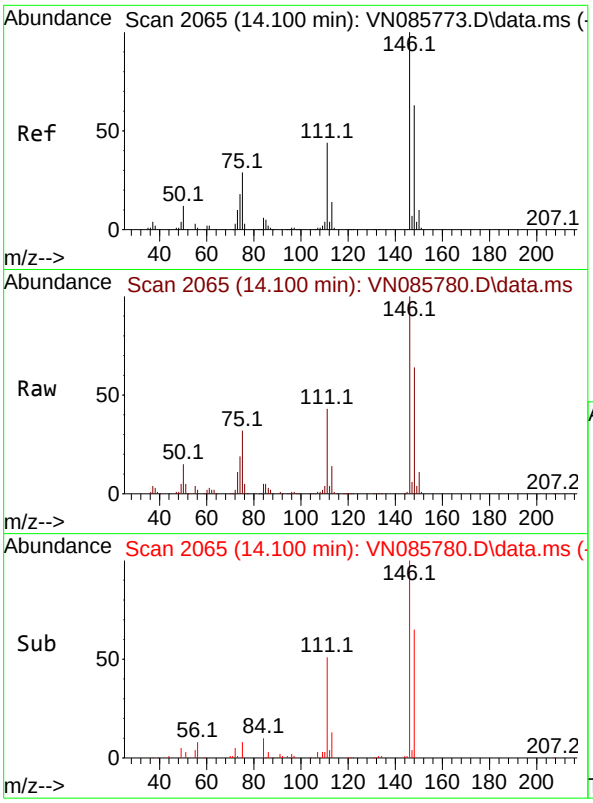


#90
Hexachloroethane
Concen: 42.828 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:117 Resp: 119768

Ion	Ratio	Lower	Upper
117	100		
201	72.7	35.6	106.9

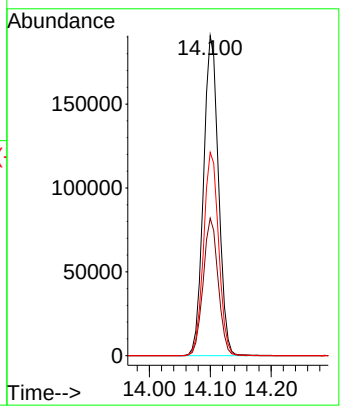




#91
1,2-Dichlorobenzene
Concen: 43.883 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:146 Resp: 32588

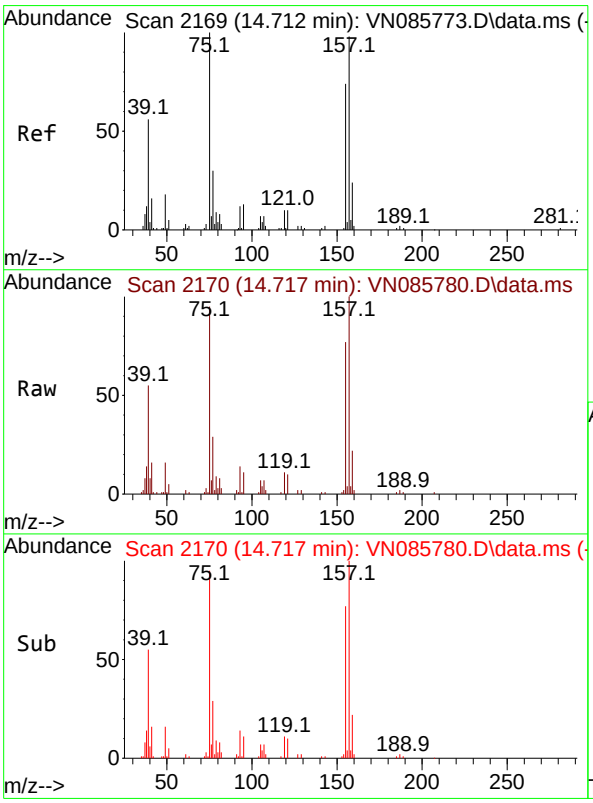
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.0	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

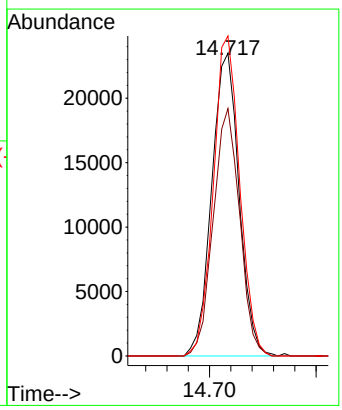
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

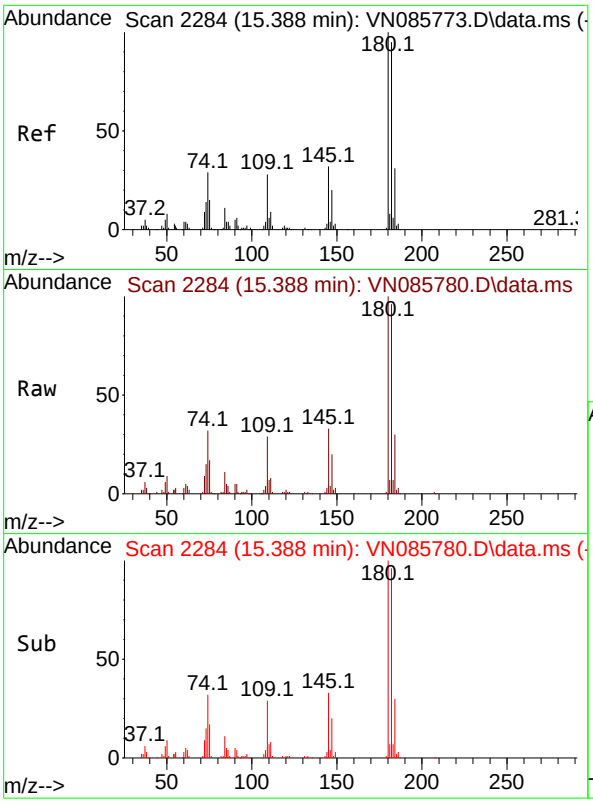


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.396 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 41836

Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.9	119.6
157	102.1	49.9	149.7

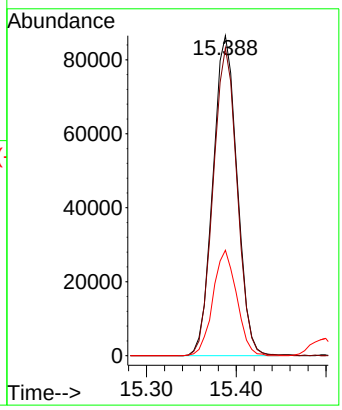




#93
1,2,4-Trichlorobenzene
Concen: 45.640 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:180 Resp: 16150

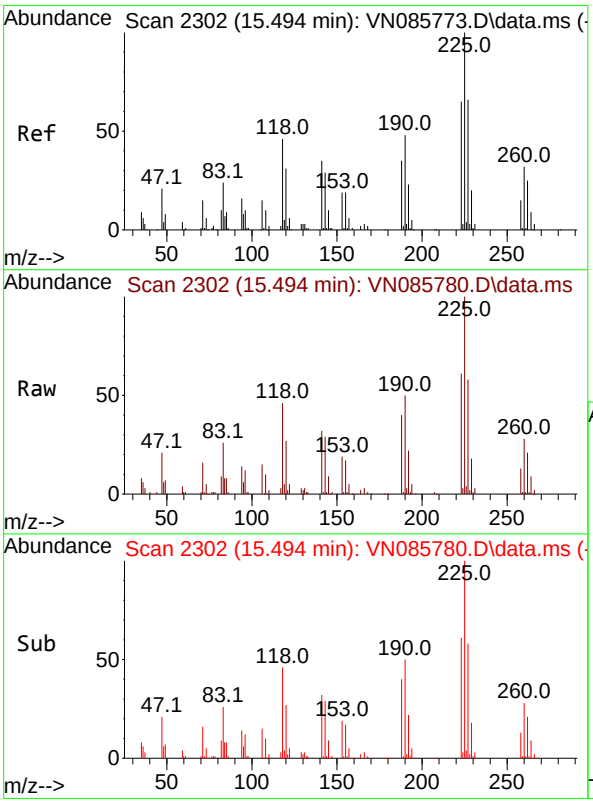
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	32.4	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

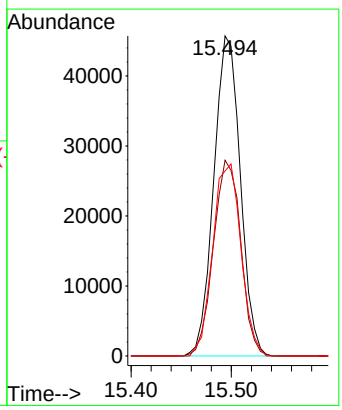
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

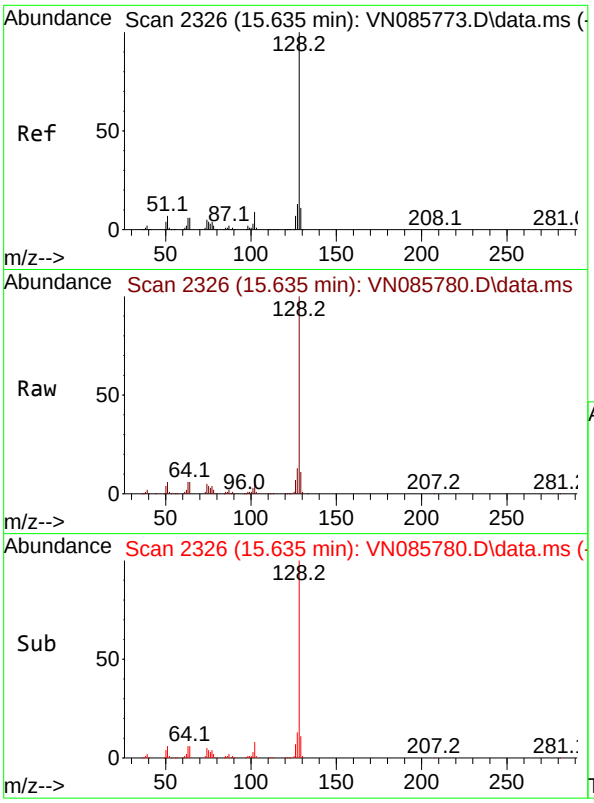


#94
Hexachlorobutadiene
Concen: 39.087 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:225 Resp: 84060

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	63.8	32.2	96.6

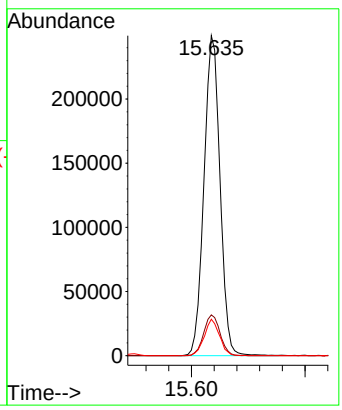




#95
Naphthalene
Concen: 50.167 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:128 Resp: 48737

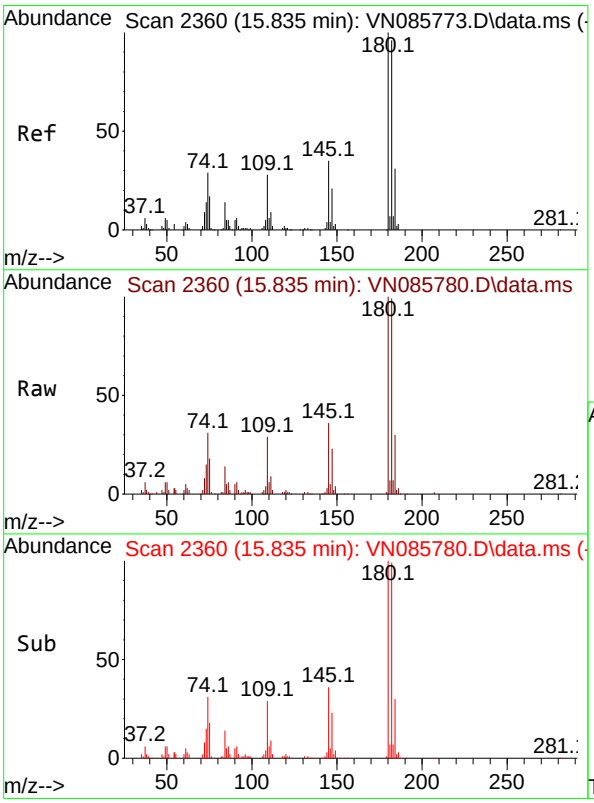
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

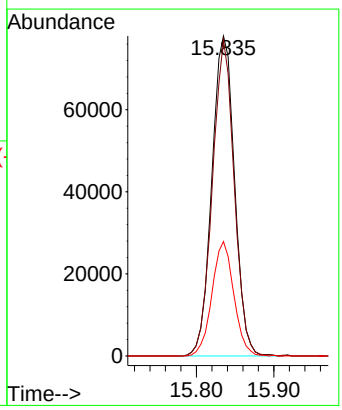
Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.593 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:180 Resp: 158416

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	34.6	16.9	50.6



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.680	0.615	9.6	89	0.00
3	P	Chloromethane	0.682	0.579	15.1	91	0.00
4	C	Vinyl Chloride	0.723	0.628	13.1#	90	0.00
5	T	Bromomethane	0.462	0.381	17.5	88	0.00
6	T	Chloroethane	0.479	0.391	18.4	92	0.00
7	T	Trichlorofluoromethane	1.046	0.891	14.8	91	0.00
8	T	Diethyl Ether	0.339	0.307	9.4	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.527	12.9	91	0.00
10	T	Methyl Iodide	0.745	0.674	9.5	91	0.00
11	T	Tert butyl alcohol	0.080	0.076	5.0	94	0.00
12	CM	1,1-Dichloroethene	0.548	0.490	10.6#	90	0.00
13	T	Acrolein	0.118	0.114	3.4	88	0.00
14	T	Allyl chloride	0.720	0.642	10.8	90	0.00
15	T	Acrylonitrile	0.259	0.241	6.9	96	0.00
16	T	Acetone	0.205	0.178	13.2	94	0.00
17	T	Carbon Disulfide	1.625	1.347	17.1	89	0.00
18	T	Methyl Acetate	0.705	0.621	11.9	98	0.00
19	T	Methyl tert-butyl Ether	1.629	1.565	3.9	92	0.00
20	T	Methylene Chloride	0.660	0.553	16.2	91	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.513	13.1	91	0.00
22	T	Diisopropyl ether	1.627	1.540	5.3	91	0.00
23	T	Vinyl Acetate	1.114	1.082	2.9	94	0.00
24	P	1,1-Dichloroethane	1.106	0.960	13.2	90	0.00
25	T	2-Butanone	0.302	0.291	3.6	96	0.00
26	T	2,2-Dichloropropane	0.983	0.873	11.2	90	0.00
27	T	cis-1,2-Dichloroethene	0.685	0.606	11.5	89	0.00
28	T	Bromochloromethane	0.454	0.454	0.0	100	0.00
29	T	Tetrahydrofuran	0.195	0.194	0.5	97	0.00
30	C	Chloroform	1.156	0.995	13.9#	91	0.00
31	T	Cyclohexane	0.926	0.791	14.6	90	0.00
32	T	1,1,1-Trichloroethane	1.028	0.897	12.7	90	0.00
33	S	1,2-Dichloroethane-d4	0.648	0.650	-0.3	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.327	0.334	-2.1	102	0.00
36	T	1,1-Dichloropropene	0.463	0.431	6.9	91	0.00
37	T	Ethyl Acetate	0.381	0.357	6.3	92	0.00
38	T	Carbon Tetrachloride	0.550	0.493	10.4	91	0.00
39	T	Methylcyclohexane	0.455	0.451	0.9	89	0.00
40	TM	Benzene	1.484	1.336	10.0	90	0.00
41	T	Methacrylonitrile	0.204	0.206	-1.0	93	0.00
42	TM	1,2-Dichloroethane	0.483	0.438	9.3	93	0.00
43	T	Isopropyl Acetate	0.807	0.621	23.0	95	0.00
44	TM	Trichloroethene	0.364	0.316	13.2	90	0.00
45	C	1,2-Dichloropropane	0.358	0.324	9.5#	91	0.00
46	T	Dibromomethane	0.253	0.232	8.3	93	0.00
47	T	Bromodichloromethane	0.541	0.481	11.1	90	0.00
48	T	Methyl methacrylate	0.283	0.292	-3.2	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.005	0.0	91	0.00
50	S	Toluene-d8	1.190	1.275	-7.1	103	0.00
51	T	4-Methyl-2-Pentanone	0.367	0.374	-1.9	96	0.00
52	CM	Toluene	0.870	0.841	3.3#	90	0.00
53	T	t-1,3-Dichloropropene	0.500	0.489	2.2	91	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.528	3.6	90	0.00
55	T	1,1,2-Trichloroethane	0.346	0.313	9.5	92	0.00
56	T	Ethyl methacrylate	0.434	0.477	-9.9	93	0.00
57	T	1,3-Dichloropropane	0.577	0.534	7.5	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.195	0.222	-13.8	123	0.00
59	T	2-Hexanone	0.253	0.269	-6.3	96	0.00
60	T	Dibromochloromethane	0.403	0.376	6.7	91	0.00
61	T	1,2-Dibromoethane	0.327	0.309	5.5	93	0.00
62	S	4-Bromofluorobenzene	0.392	0.444	-13.3	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.387	0.326	15.8	89	0.00
65	PM	Chlorobenzene	1.145	1.018	11.1	91	0.00
66	T	1,1,1,2-Tetrachloroethane	0.412	0.359	12.9	90	0.00
67	C	Ethyl Benzene	1.794	1.746	2.7#	91	0.00
68	T	m/p-Xylenes	0.682	0.679	0.4	91	0.00
69	T	o-Xylene	0.648	0.646	0.3	91	0.00
70	T	Styrene	1.059	1.092	-3.1	90	0.00
71	P	Bromoform	0.306	0.285	6.9	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.425	3.357	2.0	91	0.00
74	T	N-amyl acetate	1.208	1.193	1.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.179	1.014	14.0	94	0.00
76	T	1,2,3-Trichloropropane	1.111	1.023	7.9	106	0.00
77	T	Bromobenzene	0.925	0.834	9.8	90	0.00
78	T	n-propylbenzene	3.923	3.917	0.2	90	0.00
79	T	2-Chlorotoluene	2.621	2.430	7.3	91	0.00
80	T	1,3,5-Trimethylbenzene	2.790	2.793	-0.1	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.381	0.359	5.8	89	0.00
82	T	4-Chlorotoluene	2.598	2.463	5.2	91	0.00
83	T	tert-Butylbenzene	2.346	2.342	0.2	89	0.00
84	T	1,2,4-Trimethylbenzene	2.761	2.845	-3.0	90	0.00
85	T	sec-Butylbenzene	3.315	3.310	0.2	89	0.00
86	T	p-Isopropyltoluene	2.665	2.775	-4.1	89	0.00
87	T	1,3-Dichlorobenzene	1.734	1.532	11.6	92	0.00
88	T	1,4-Dichlorobenzene	1.777	1.521	14.4	90	0.00
89	T	n-Butylbenzene	2.354	2.307	2.0	89	0.00
90	T	Hexachloroethane	0.628	0.538	14.3	90	0.00
91	T	1,2-Dichlorobenzene	1.667	1.463	12.2	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.188	13.0	95	0.00
93	T	1,2,4-Trichlorobenzene	0.794	0.725	8.7	89	0.00
94	T	Hexachlorobutadiene	0.483	0.377	21.9	87	0.00
95	T	Naphthalene	2.181	2.189	-0.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.798	0.711	10.9	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	45.199	9.6	89	0.00
3	P	Chloromethane	50.000	42.438	15.1	91	0.00
4	C	Vinyl Chloride	50.000	43.449	13.1#	90	0.00
5	T	Bromomethane	50.000	41.282	17.4	88	0.00
6	T	Chloroethane	50.000	40.887	18.2	92	0.00
7	T	Trichlorofluoromethane	50.000	42.592	14.8	91	0.00
8	T	Diethyl Ether	50.000	45.353	9.3	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.582	12.8	91	0.00
10	T	Methyl Iodide	50.000	45.190	9.6	91	0.00
11	T	Tert butyl alcohol	250.000	237.350	5.1	94	0.00
12	CM	1,1-Dichloroethene	50.000	44.667	10.7#	90	0.00
13	T	Acrolein	250.000	241.140	3.5	88	0.00
14	T	Allyl chloride	50.000	44.555	10.9	90	0.00
15	T	Acrylonitrile	250.000	232.720	6.9	96	0.00
16	T	Acetone	250.000	217.115	13.2	94	0.00
17	T	Carbon Disulfide	50.000	41.449	17.1	89	0.00
18	T	Methyl Acetate	50.000	44.011	12.0	98	0.00
19	T	Methyl tert-butyl Ether	50.000	48.014	4.0	92	0.00
20	T	Methylene Chloride	50.000	41.955	16.1	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	43.475	13.0	91	0.00
22	T	Diisopropyl ether	50.000	47.344	5.3	91	0.00
23	T	Vinyl Acetate	250.000	242.867	2.9	94	0.00
24	P	1,1-Dichloroethane	50.000	43.396	13.2	90	0.00
25	T	2-Butanone	250.000	240.836	3.7	96	0.00
26	T	2,2-Dichloropropane	50.000	44.383	11.2	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.284	11.4	89	0.00
28	T	Bromochloromethane	50.000	49.991	0.0	100	0.00
29	T	Tetrahydrofuran	250.000	248.913	0.4	97	0.00
30	C	Chloroform	50.000	43.065	13.9#	91	0.00
31	T	Cyclohexane	50.000	42.725	14.5	90	0.00
32	T	1,1,1-Trichloroethane	50.000	43.640	12.7	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.125	-0.3	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	50.972	-1.9	102	0.00
36	T	1,1-Dichloropropene	50.000	46.581	6.8	91	0.00
37	T	Ethyl Acetate	50.000	46.779	6.4	92	0.00
38	T	Carbon Tetrachloride	50.000	44.828	10.3	91	0.00
39	T	Methylcyclohexane	50.000	49.612	0.8	89	0.00
40	TM	Benzene	50.000	45.016	10.0	90	0.00
41	T	Methacrylonitrile	50.000	50.597	-1.2	93	0.00
42	TM	1,2-Dichloroethane	50.000	45.321	9.4	93	0.00
43	T	Isopropyl Acetate	50.000	46.374	7.3	95	0.00
44	TM	Trichloroethene	50.000	43.368	13.3	90	0.00
45	C	1,2-Dichloropropane	50.000	45.194	9.6#	91	0.00
46	T	Dibromomethane	50.000	45.867	8.3	93	0.00
47	T	Bromodichloromethane	50.000	44.443	11.1	90	0.00
48	T	Methyl methacrylate	50.000	51.566	-3.1	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1010.103	-1.0	91	0.00
50	S	Toluene-d8	50.000	53.575	-7.2	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	254.433	-1.8	96	0.00
52	CM	Toluene	50.000	48.324	3.4#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	48.873	2.3	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.172	3.7	90	0.00
55	T	1,1,2-Trichloroethane	50.000	45.289	9.4	92	0.00
56	T	Ethyl methacrylate	50.000	48.142	3.7	93	0.00
57	T	1,3-Dichloropropane	50.000	46.254	7.5	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.203	-10.5	123	0.00
59	T	2-Hexanone	250.000	266.284	-6.5	96	0.00
60	T	Dibromochloromethane	50.000	46.707	6.6	91	0.00
61	T	1,2-Dibromoethane	50.000	47.208	5.6	93	0.00
62	S	4-Bromofluorobenzene	50.000	56.665	-13.3	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	42.088	15.8	89	0.00
65	PM	Chlorobenzene	50.000	44.422	11.2	91	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	43.545	12.9	90	0.00
67	C	Ethyl Benzene	50.000	48.655	2.7#	91	0.00
68	T	m/p-Xylenes	100.000	99.562	0.4	91	0.00
69	T	o-Xylene	50.000	49.837	0.3	91	0.00
70	T	Styrene	50.000	45.726	8.5	90	0.00
71	P	Bromoform	50.000	46.617	6.8	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	49.002	2.0	91	0.00
74	T	N-amyl acetate	50.000	49.401	1.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.005	14.0	94	0.00
76	T	1,2,3-Trichloropropane	50.000	46.070	7.9	106	0.00
77	T	Bromobenzene	50.000	45.084	9.8	90	0.00
78	T	n-propylbenzene	50.000	49.927	0.1	90	0.00
79	T	2-Chlorotoluene	50.000	46.350	7.3	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.152	5.7	89	0.00
82	T	4-Chlorotoluene	50.000	47.401	5.2	91	0.00
83	T	tert-Butylbenzene	50.000	49.904	0.2	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.531	-3.1	90	0.00
85	T	sec-Butylbenzene	50.000	49.925	0.2	89	0.00
86	T	p-Isopropyltoluene	50.000	46.012	8.0	89	0.00
87	T	1,3-Dichlorobenzene	50.000	44.186	11.6	92	0.00
88	T	1,4-Dichlorobenzene	50.000	42.781	14.4	90	0.00
89	T	n-Butylbenzene	50.000	49.015	2.0	89	0.00
90	T	Hexachloroethane	50.000	42.828	14.3	90	0.00
91	T	1,2-Dichlorobenzene	50.000	43.883	12.2	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.396	13.2	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.640	8.7	89	0.00
94	T	Hexachlorobutadiene	50.000	39.087	21.8	87	0.00
95	T	Naphthalene	50.000	50.167	-0.3	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.593	10.8	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021020.D RRF010 = VY021021.D RRF020 = VY021022.D
RRF050 = VY021023.D RRF100 = VY021024.D RRF150 = VY021025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.524	0.445	0.408	0.421	0.404	0.437	0.440	10.1
Vinyl Chloride	0.535	0.441	0.404	0.424	0.408	0.443	0.443	10.9
Bromomethane	0.356	0.275	0.249	0.258	0.246	0.257	0.274	15.2
Chloroethane	0.316	0.270	0.240	0.255	0.239	0.261	0.263	10.7
Trichlorofluoromethane	0.924	0.814	0.755	0.789	0.743	0.813	0.806	8
1,1,2-Trichlorotrifluoroethane	0.587	0.507	0.472	0.494	0.466	0.510	0.506	8.6
1,1-Dichloroethene	0.529	0.471	0.441	0.469	0.452	0.498	0.477	6.8
Acetone	0.087	0.083	0.078	0.077	0.070	0.083	0.080	7.5
Carbon Disulfide	1.673	1.456	1.389	1.475	1.421	1.556	1.495	7
Methyl tert-butyl Ether	1.271	1.185	1.168	1.216	1.124	1.265	1.205	4.8
Methylene Chloride	0.570	0.506	0.473	0.485	0.452	0.494	0.497	8.2
trans-1,2-Dichloroethene	0.578	0.518	0.502	0.522	0.490	0.538	0.525	5.8
1,1-Dichloroethane	1.104	0.948	0.923	0.947	0.911	0.989	0.970	7.3
2-Butanone	0.134	0.133	0.126	0.135	0.121	0.139	0.131	5.2
Carbon Tetrachloride	0.604	0.551	0.522	0.547	0.522	0.581	0.555	5.9
cis-1,2-Dichloroethene	0.662	0.584	0.577	0.599	0.575	0.626	0.604	5.7
Chloroform	1.107	1.016	0.947	0.982	0.921	1.006	0.997	6.5
1,1,1-Trichloroethane	1.067	0.901	0.867	0.912	0.863	0.949	0.927	8.2
Methylcyclohexane	0.609	0.550	0.536	0.588	0.570	0.629	0.581	6.1
Benzene	1.512	1.382	1.327	1.378	1.323	1.436	1.393	5.1
1,2-Dichloroethane	0.435	0.390	0.367	0.379	0.352	0.395	0.386	7.4
Trichloroethene	0.401	0.355	0.341	0.349	0.338	0.375	0.360	6.7
1,2-Dichloropropane	0.357	0.329	0.319	0.327	0.311	0.341	0.331	5
Bromodichloromethane	0.528	0.500	0.469	0.482	0.459	0.506	0.491	5.2
4-Methyl-2-Pentanone	0.202	0.211	0.202	0.216	0.194	0.224	0.208	5.2
Toluene	0.913	0.856	0.840	0.876	0.844	0.918	0.875	3.9
t-1,3-Dichloropropene	0.441	0.426	0.419	0.449	0.427	0.483	0.441	5.3
cis-1,3-Dichloropropene	0.528	0.516	0.502	0.525	0.501	0.560	0.522	4.2
1,1,2-Trichloroethane	0.261	0.235	0.231	0.235	0.217	0.242	0.237	6.1
2-Hexanone	0.124	0.131	0.128	0.144	0.129	0.149	0.134	7.4

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021020.D RRF010 = VY021021.D RRF020 = VY021022.D
RRF050 = VY021023.D RRF100 = VY021024.D RRF150 = VY021025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.359	0.330	0.324	0.329	0.310	0.346	0.333	5.2
Tetrachloroethene	0.409	0.367	0.352	0.361	0.351	0.387	0.371	6.2
Chlorobenzene	1.237	1.115	1.054	1.080	1.048	1.146	1.113	6.4
Ethyl Benzene	2.101	1.899	1.865	1.943	1.914	2.093	1.969	5.2
m/p-Xylenes	0.772	0.723	0.709	0.733	0.711	0.773	0.737	3.9
o-Xylene	0.723	0.658	0.660	0.681	0.670	0.729	0.687	4.6
Styrene	1.154	1.118	1.105	1.156	1.128	1.208	1.145	3.2
Bromoform	0.231	0.222	0.217	0.216	0.205	0.229	0.220	4.4
Isopropylbenzene	4.122	3.695	3.673	3.809	3.871	4.263	3.906	6.1
1,1,2,2-Tetrachloroethane	0.707	0.646	0.635	0.632	0.597	0.680	0.650	6
1,3-Dichlorobenzene	1.937	1.686	1.660	1.683	1.652	1.824	1.740	6.6
1,4-Dichlorobenzene	1.906	1.702	1.632	1.665	1.599	1.778	1.714	6.6
1,2-Dichlorobenzene	1.668	1.524	1.440	1.460	1.405	1.567	1.510	6.4
1,2-Dichloroethane-d4	0.566	0.557	0.478	0.503	0.454	0.516	0.512	8.5
Dibromofluoromethane	0.351	0.326	0.301	0.313	0.297	0.333	0.320	6.4
Toluene-d8	1.295	1.237	1.139	1.202	1.158	1.288	1.220	5.3
4-Bromofluorobenzene	0.417	0.408	0.371	0.403	0.375	0.418	0.399	5.2

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021020.D 10 =VY021021.D 20 =VY021022.D 50 =VY021023.D 100 =VY021024.D 150 =VY021025.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.503	0.438	0.413	0.445	0.419	0.457	0.446	7.23
3)	P	Chloromethane	0.524	0.445	0.408	0.421	0.404	0.437	0.440	10.10
4)	C	Vinyl Chloride	0.535	0.441	0.404	0.424	0.408	0.443	0.443	10.93#
5)	T	Bromomethane	0.356	0.275	0.249	0.258	0.246	0.257	0.274	15.17
6)	T	Chloroethane	0.316	0.270	0.240	0.255	0.239	0.261	0.263	10.71
7)	T	Trichlorofluor...	0.924	0.814	0.755	0.789	0.743	0.813	0.806	8.03
8)	T	Diethyl Ether	0.274	0.256	0.248	0.242	0.230	0.260	0.252	6.02
9)	T	1,1,2-Trichlor...	0.587	0.507	0.472	0.494	0.466	0.510	0.506	8.56
10)	T	Methyl Iodide	0.534	0.532	0.527	0.587	0.576	0.618	0.562	6.59
11)	T	Tert butyl alc...	0.042	0.039	0.035	0.032	0.028	0.032	0.035	14.80
12)	CM	1,1-Dichloroet...	0.529	0.471	0.441	0.469	0.452	0.498	0.477	6.76#
13)	T	Acrolein	0.055	0.057	0.056	0.052	0.047	0.053	0.053	6.61
14)	T	Allyl chloride	0.869	0.778	0.753	0.800	0.774	0.846	0.803	5.60
15)	T	Acrylonitrile	0.109	0.105	0.105	0.106	0.095	0.109	0.105	5.06
16)	T	Acetone	0.087	0.083	0.078	0.077	0.070	0.083	0.080	7.52
17)	T	Carbon Disulfide	1.673	1.456	1.389	1.475	1.421	1.556	1.495	6.96
18)	T	Methyl Acetate	0.300	0.282	0.268	0.287	0.253	0.291	0.280	6.13
19)	T	Methyl tert-bu...	1.271	1.185	1.168	1.216	1.124	1.265	1.205	4.75
20)	T	Methylene Chlo...	0.570	0.506	0.473	0.485	0.452	0.494	0.497	8.17
21)	T	trans-1,2-Dich...	0.578	0.518	0.502	0.522	0.490	0.538	0.525	5.83
22)	T	Diisopropyl ether	1.741	1.643	1.638	1.665	1.573	1.677	1.656	3.33
23)	T	Vinyl Acetate	0.937	0.913	0.903	0.948	0.869	0.970	0.923	3.86
24)	P	1,1-Dichloroet...	1.104	0.948	0.923	0.947	0.911	0.989	0.970	7.27
25)	T	2-Butanone	0.134	0.133	0.126	0.135	0.121	0.139	0.131	5.18
26)	T	2,2-Dichloropr...	1.031	0.899	0.842	0.870	0.818	0.926	0.898	8.44
27)	T	cis-1,2-Dichlo...	0.662	0.584	0.577	0.599	0.575	0.626	0.604	5.66
28)	T	Bromochloromet...	0.373	0.368	0.381	0.413	0.374	0.394	0.384	4.42
29)	T	Tetrahydrofuran	0.088	0.092	0.088	0.092	0.081	0.093	0.089	5.11
30)	C	Chloroform	1.107	1.016	0.947	0.982	0.921	1.006	0.997	6.49#
31)	T	Cyclohexane	1.093	0.885	0.807	0.827	0.779	0.852	0.874	12.96
32)	T	1,1,1-Trichlor...	1.067	0.901	0.867	0.912	0.863	0.949	0.927	8.18
33)	S	1,2-Dichloroet...	0.566	0.557	0.478	0.503	0.454	0.516	0.512	8.52
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.351	0.326	0.301	0.313	0.297	0.333	0.320	6.41
36)	T	1,1-Dichloropr...	0.534	0.464	0.447	0.463	0.448	0.491	0.475	7.02
37)	T	Ethyl Acetate	0.218	0.208	0.208	0.211	0.188	0.216	0.208	5.10
38)	T	Carbon Tetrach...	0.604	0.551	0.522	0.547	0.522	0.581	0.555	5.86
39)	T	Methylcyclohexane	0.609	0.550	0.536	0.588	0.570	0.629	0.581	6.07
40)	TM	Benzene	1.512	1.382	1.327	1.378	1.323	1.436	1.393	5.13
41)	T	Methacrylonitrile	0.130	0.126	0.133	0.111	0.089	0.134	0.120	14.47
42)	TM	1,2-Dichloroet...	0.435	0.390	0.367	0.379	0.352	0.395	0.386	7.38
43)	T	Isopropyl Acetate	0.404	0.417	0.400	0.422	0.389	0.451	0.414	5.25
44)	TM	Trichloroethene	0.401	0.355	0.341	0.349	0.338	0.375	0.360	6.66
45)	C	1,2-Dichloropr...	0.357	0.329	0.319	0.327	0.311	0.341	0.331	4.98#
46)	T	Dibromomethane	0.201	0.184	0.179	0.181	0.166	0.187	0.183	6.17
47)	T	Bromodichlorom...	0.528	0.500	0.469	0.482	0.459	0.506	0.491	5.18
48)	T	Methyl methacr...	0.180	0.180	0.175	0.192	0.186	0.217	0.188	7.95
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.73
50)	S	Toluene-d8	1.295	1.237	1.139	1.202	1.158	1.288	1.220	5.34
51)	T	4-Methyl-2-Pen...	0.202	0.211	0.202	0.216	0.194	0.224	0.208	5.18
52)	CM	Toluene	0.913	0.856	0.840	0.876	0.844	0.918	0.875	3.88#
53)	T	t-1,3-Dichloro...	0.441	0.426	0.419	0.449	0.427	0.483	0.441	5.31
54)	T	cis-1,3-Dichlo...	0.528	0.516	0.502	0.525	0.501	0.560	0.522	4.19
55)	T	1,1,2-Trichlor...	0.261	0.235	0.231	0.235	0.217	0.242	0.237	6.06
56)	T	Ethyl methacry...	0.287	0.296	0.300	0.338	0.319	0.363	0.317	9.15

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y020325S.M

57)	T	1,3-Dichloropr...	0.434	0.410	0.402	0.412	0.381	0.424	0.410	4.44
58)	T	2-Chloroethyl ...	0.143	0.146	0.146	0.157	0.146	0.167	0.151	6.19
59)	T	2-Hexanone	0.124	0.131	0.128	0.144	0.129	0.149	0.134	7.42
60)	T	Dibromochlorom...	0.359	0.330	0.324	0.329	0.310	0.346	0.333	5.17
61)	T	1,2-Dibromoethane	0.232	0.223	0.215	0.225	0.203	0.233	0.222	5.04
62)	S	4-Bromofluorob...	0.417	0.408	0.371	0.403	0.375	0.418	0.399	5.23
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.409	0.367	0.352	0.361	0.351	0.387	0.371	6.17
65)	PM	Chlorobenzene	1.237	1.115	1.054	1.080	1.048	1.146	1.113	6.40
66)	T	1,1,1,2-Tetrac...	0.434	0.401	0.376	0.382	0.374	0.407	0.396	5.86
67)	C	Ethyl Benzene	2.101	1.899	1.865	1.943	1.914	2.093	1.969	5.20#
68)	T	m/p-Xylenes	0.772	0.723	0.709	0.733	0.711	0.773	0.737	3.93
69)	T	o-Xylene	0.723	0.658	0.660	0.681	0.670	0.729	0.687	4.57
70)	T	Styrene	1.154	1.118	1.105	1.156	1.128	1.208	1.145	3.23
71)	P	Bromoform	0.231	0.222	0.217	0.216	0.205	0.229	0.220	4.43
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.122	3.695	3.673	3.809	3.871	4.263	3.906	6.09
74)	T	N-amyl acetate	0.786	0.801	0.796	0.887	0.854	1.000	0.854	9.53
75)	P	1,1,2,2-Tetrac...	0.707	0.646	0.635	0.632	0.597	0.680	0.650	5.97
76)	T	1,2,3-Trichlor...	0.527	0.393	0.469	0.462	0.378	0.492	0.454	12.69
77)	T	Bromobenzene	0.946	0.892	0.866	0.864	0.863	0.978	0.901	5.45
78)	T	n-propylbenzene	4.862	4.419	4.410	4.581	4.590	5.054	4.653	5.50
79)	T	2-Chlorotoluene	2.872	2.577	2.537	2.585	2.571	2.847	2.665	5.70
80)	T	1,3,5-Trimethy...	3.321	3.032	3.042	3.109	3.100	3.395	3.167	4.84
81)	T	trans-1,4-Dich...	0.216	0.226	0.211	0.223	0.208	0.250	0.222	6.87
82)	T	4-Chlorotoluene	2.902	2.692	2.605	2.617	2.592	2.882	2.715	5.21
83)	T	tert-Butylbenzene	2.968	2.745	2.755	2.869	2.773	3.160	2.878	5.63
84)	T	1,2,4-Trimethy...	3.184	2.935	2.981	3.059	3.047	3.371	3.096	5.13
85)	T	sec-Butylbenzene	4.405	4.003	3.956	4.038	4.046	4.413	4.143	5.03
86)	T	p-Isopropyltol...	3.554	3.237	3.304	3.421	3.381	3.753	3.442	5.43
87)	T	1,3-Dichlorobe...	1.937	1.686	1.660	1.683	1.652	1.824	1.740	6.61
88)	T	1,4-Dichlorobe...	1.906	1.702	1.632	1.665	1.599	1.778	1.714	6.56
89)	T	n-Butylbenzene	3.202	2.923	2.961	3.153	3.127	3.473	3.140	6.27
90)	T	Hexachloroethane	0.757	0.693	0.680	0.696	0.699	0.784	0.718	5.86
91)	T	1,2-Dichlorobe...	1.668	1.524	1.440	1.460	1.405	1.567	1.510	6.42
92)	T	1,2-Dibromo-3-...	0.099	0.099	0.089	0.097	0.089	0.109	0.097	7.64
93)	T	1,2,4-Trichlor...	0.796	0.754	0.743	0.875	0.873	1.004	0.841	11.62
94)	T	Hexachlorobuta...	0.600	0.518	0.523	0.554	0.542	0.605	0.557	6.73
95)	T	Naphthalene	1.072	1.171	1.176	1.488	1.440	1.723	1.345	18.38
96)	T	1,2,3-Trichlor...	0.641	0.640	0.626	0.733	0.726	0.832	0.700	11.36

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	185671	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	293189	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	242257	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	113107	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.079	65	10514	6.651	ug/l		0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.300%#			
35) Dibromofluoromethane	7.640	113	10294	5.840	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.680%#			
50) Toluene-d8	10.115	98	37973	5.520	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.040%#			
62) 4-Bromofluorobenzene	12.414	95	12237	5.301	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	10.600%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	9330	5.910	ug/l		94
3) Chloromethane	2.080	50	9736	9.700	ug/l		98
4) Vinyl Chloride	2.214	62	9942	9.607	ug/l		100
5) Bromomethane	2.611	94	6604	9.426	ug/l		92
6) Chloroethane	2.751	64	5863	9.698	ug/l		89
7) Trichlorofluoromethane	3.074	101	17163	6.872	ug/l		96
8) Diethyl Ether	3.470	74	5090	6.827	ug/l		78
9) 1,1,2-Trichlorotrifluo...	3.830	101	10891	6.476	ug/l		93
10) Methyl Iodide	4.019	142	9923	5.156	ug/l		97
11) Tert butyl alcohol	4.878	59	3893	33.712	ug/l	#	73
12) 1,1-Dichloroethene	3.805	96	9831	6.255	ug/l		89
13) Acrolein	3.665	56	5116	38.472	ug/l		94
14) Allyl chloride	4.403	41	16131	7.456	ug/l		93
15) Acrylonitrile	5.086	53	10135	33.047	ug/l	#	73
16) Acetone	3.891	43	8118	37.678	ug/l		99
17) Carbon Disulfide	4.123	76	31063	6.417	ug/l		99
18) Methyl Acetate	4.397	43	5577	7.397	ug/l		92
19) Methyl tert-butyl Ether	5.128	73	23603	6.452	ug/l		98
20) Methylene Chloride	4.635	84	10585	6.661	ug/l		94
21) trans-1,2-Dichloroethene	5.141	96	10724	6.364	ug/l		91
22) Diisopropyl ether	6.031	45	32323	7.329	ug/l		94
23) Vinyl Acetate	5.976	43	87000	35.621	ug/l		97
24) 1,1-Dichloroethane	5.933	63	20490	7.202	ug/l		96
25) 2-Butanone	6.915	43	12466	34.105	ug/l		93
26) 2,2-Dichloropropane	6.890	77	19144	6.834	ug/l		98
27) cis-1,2-Dichloroethene	6.909	96	12299	6.350	ug/l		93
28) Bromochloromethane	7.256	49	6919	6.527	ug/l		85
29) Tetrahydrofuran	7.281	42	8193	33.310	ug/l		92
30) Chloroform	7.439	83	20552	6.669	ug/l		96
31) Cyclohexane	7.713	56	20287	7.295	ug/l	#	85
32) 1,1,1-Trichloroethane	7.628	97	19818	6.645	ug/l		97
36) 1,1-Dichloropropene	7.841	75	15667	6.231	ug/l		95
37) Ethyl Acetate	6.994	43	6383	6.809	ug/l	#	74
38) Carbon Tetrachloride	7.829	117	17709	5.691	ug/l		99
39) Methylcyclohexane	9.116	83	17860	5.287	ug/l		93
40) Benzene	8.091	78	44324	5.991	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	3810m	7.345	ug/l		
42) 1,2-Dichloroethane	8.164	62	12762	6.801	ug/l		98
43) Isopropyl Acetate	8.207	43	11839	6.321	ug/l	#	86
44) Trichloroethene	8.878	130	11751	5.756	ug/l		93
45) 1,2-Dichloropropane	9.146	63	10477	6.318	ug/l		99
46) Dibromomethane	9.244	93	5885	6.098	ug/l		91
47) Bromodichloromethane	9.433	83	15477	6.107	ug/l		94
48) Methyl methacrylate	9.231	41	5280	5.922	ug/l		93
49) 1,4-Dioxane	9.250	88	940	91.663	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.006	43	29573	30.730	ug/l		91
52) Toluene	10.182	92	26760	5.572	ug/l		96
53) t-1,3-Dichloropropene	10.402	75	12933	5.639	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	15488	5.650	ug/l	#	90
55) 1,1,2-Trichloroethane	10.579	97	7651	5.961	ug/l		92
56) Ethyl methacrylate	10.451	69	8418	5.018	ug/l	#	82
57) 1,3-Dichloropropane	10.725	76	12714	5.845	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	21035	29.542	ug/l		95
59) 2-Hexanone	10.774	43	18159	29.030	ug/l		90
60) Dibromochloromethane	10.920	129	10511	5.744	ug/l		96
61) 1,2-Dibromoethane	11.024	107	6810	5.555	ug/l		96
64) Tetrachloroethene	10.652	164	9915	5.426	ug/l		96
65) Chlorobenzene	11.450	112	29973	5.872	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	10524	5.810	ug/l		98
67) Ethyl Benzene	11.530	91	50904	5.760	ug/l		97
68) m/p-Xylenes	11.639	106	37399	11.015	ug/l		98
69) o-Xylene	11.963	106	17519	5.550	ug/l		99
70) Styrene	11.981	104	27946	5.333	ug/l		99
71) Bromoform	12.145	173	5607	5.252	ug/l	#	97
73) Isopropylbenzene	12.261	105	46625	5.869	ug/l		100
74) N-amyl acetate	12.085	43	8887	6.144	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.517	83	8001	6.240	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	5960m	6.656	ug/l		
77) Bromobenzene	12.542	156	10698	5.680	ug/l		90
78) n-propylbenzene	12.603	91	54990	5.907	ug/l		99
79) 2-Chlorotoluene	12.688	91	32479	6.123	ug/l		99
80) 1,3,5-Trimethylbenzene	12.749	105	37564	5.772	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	2446	5.671	ug/l		92
82) 4-Chlorotoluene	12.786	91	32824	6.046	ug/l		99
83) tert-Butylbenzene	13.005	119	33572	5.562	ug/l		95
84) 1,2,4-Trimethylbenzene	13.054	105	36016	5.665	ug/l		100
85) sec-Butylbenzene	13.188	105	49828	5.831	ug/l		99
86) p-Isopropyltoluene	13.304	119	40197	5.597	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	21910	5.966	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	21553	5.910	ug/l		95
89) n-Butylbenzene	13.627	91	36214	5.630	ug/l		96
90) Hexachloroethane	13.895	117	8559	5.891	ug/l		98
91) 1,2-Dichlorobenzene	13.670	146	18869	5.892	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1125	5.699	ug/l		82
93) 1,2,4-Trichlorobenzene	14.932	180	9000	4.590	ug/l		98
94) Hexachlorobutadiene	15.035	225	6792	5.001	ug/l		99
95) Naphthalene	15.157	128	12124	3.847	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	7255	4.375	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

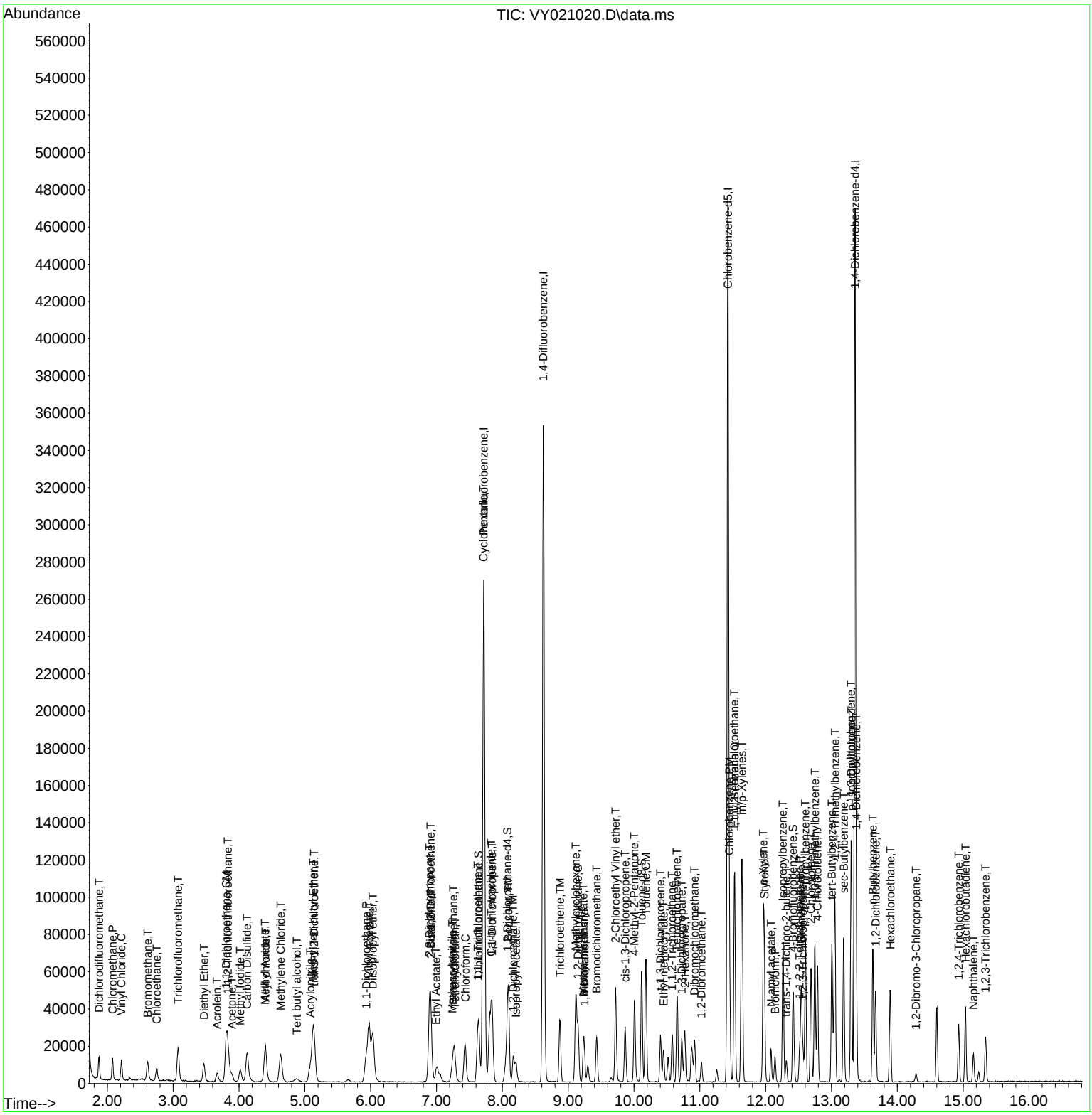
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

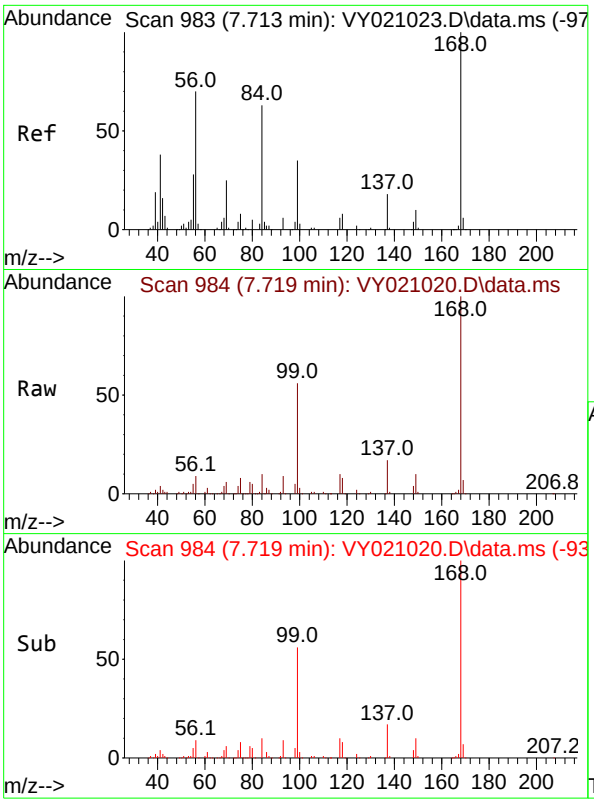
Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

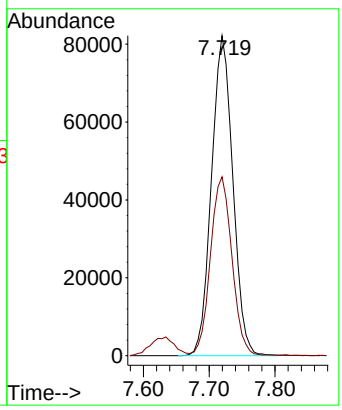
Tgt Ion:168 Resp: 18567

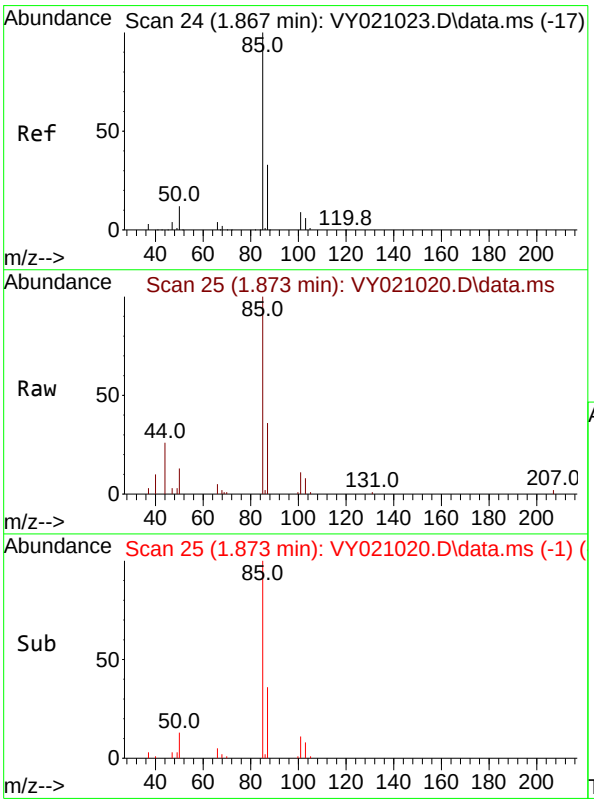
Ion	Ratio	Lower	Upper
168	100		
99	55.8	42.2	63.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

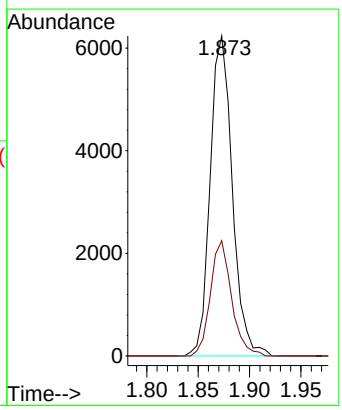


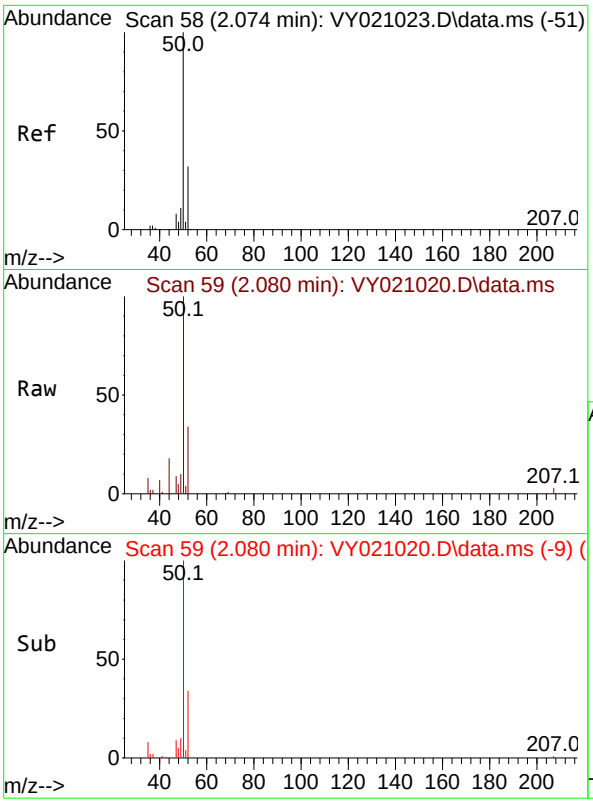


#2
Dichlorodifluoromethane
Concen: 5.910 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 85 Resp: 9330

Ion	Ratio	Lower	Upper
85	100		
87	36.0	16.3	48.9

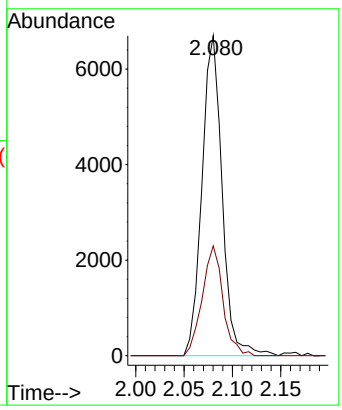




#3
Chloromethane
Concen: 9.700 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 50 Resp: 973

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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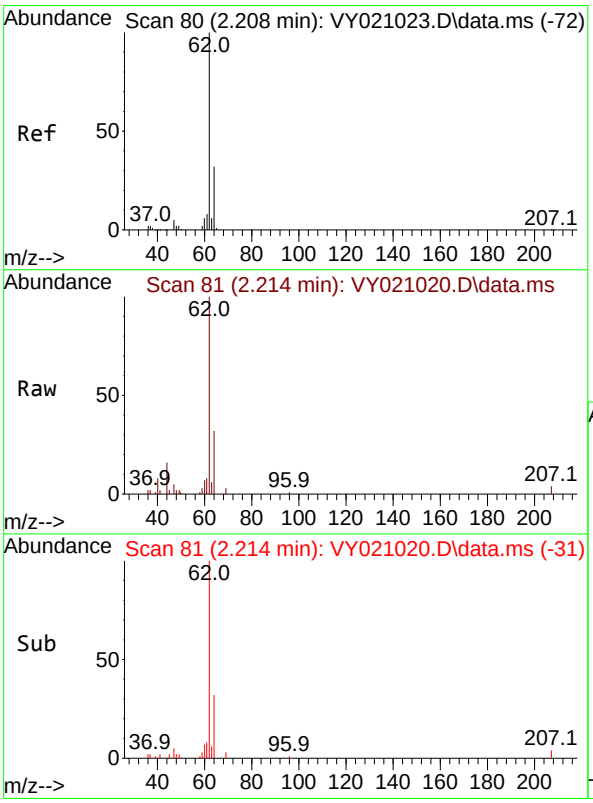
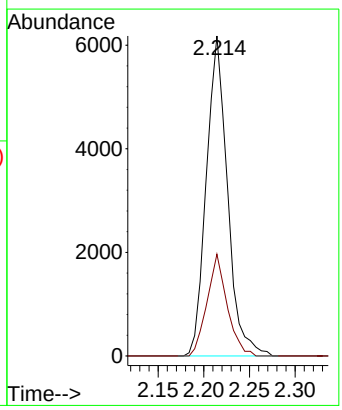
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

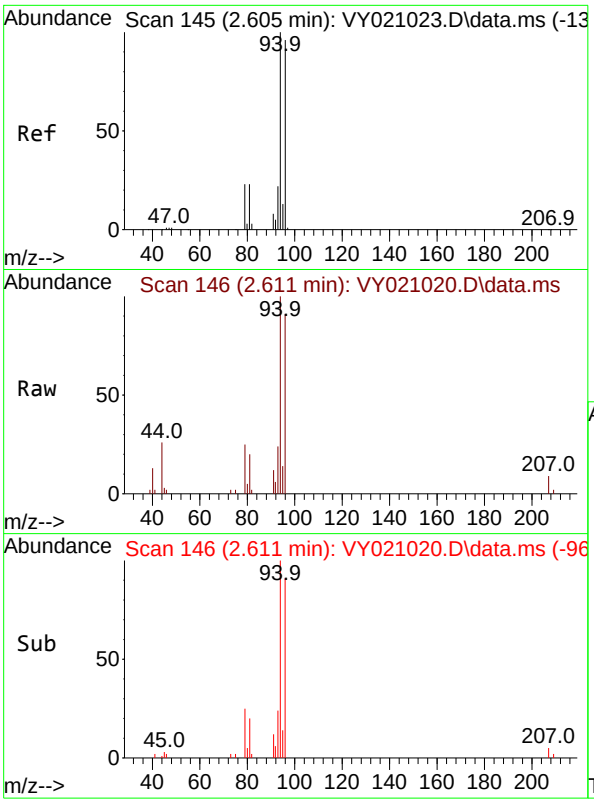


#4
Vinyl Chloride
Concen: 9.607 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 9942

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2

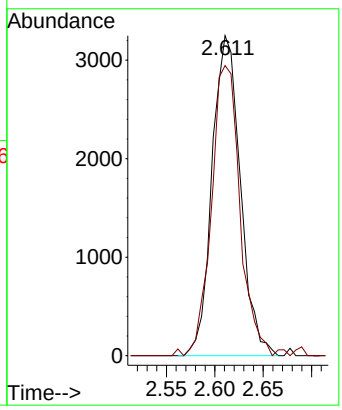




#5
Bromomethane
Concen: 9.426 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 94 Resp: 660

Ion	Ratio	Lower	Upper
94	100		
96	88.9	77.4	116.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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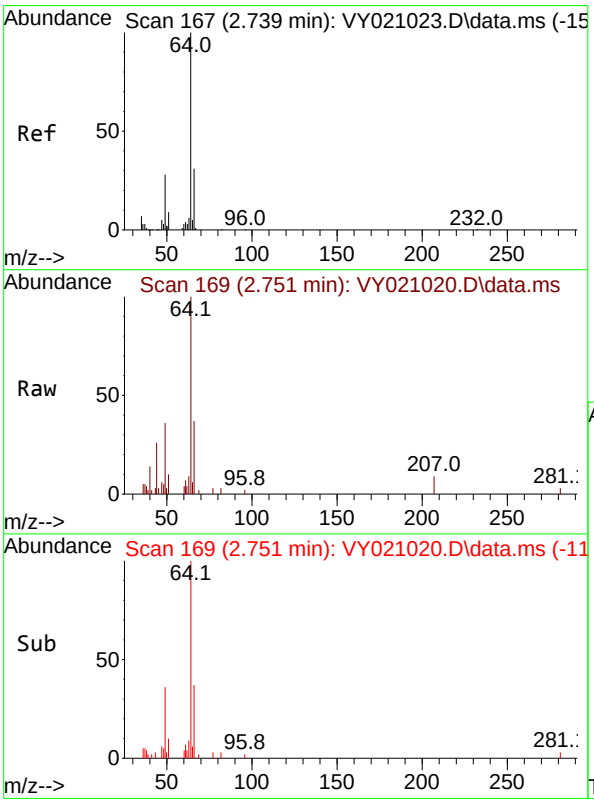
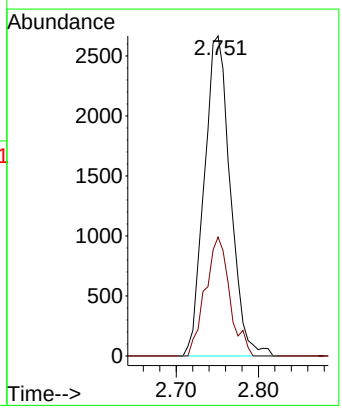
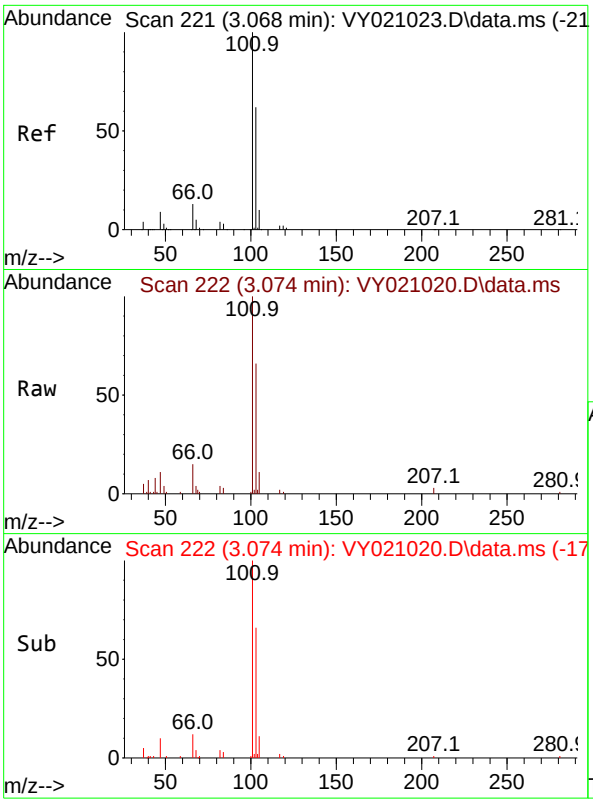


#6
Chloroethane
Concen: 9.698 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 64 Resp: 5863

Ion	Ratio	Lower	Upper
64	100		
66	37.1	25.0	37.4

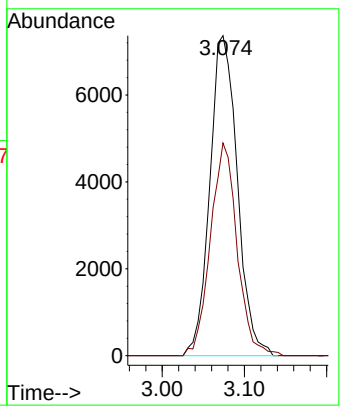




#7
Trichlorofluoromethane
Concen: 6.872 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:101 Resp: 1716

Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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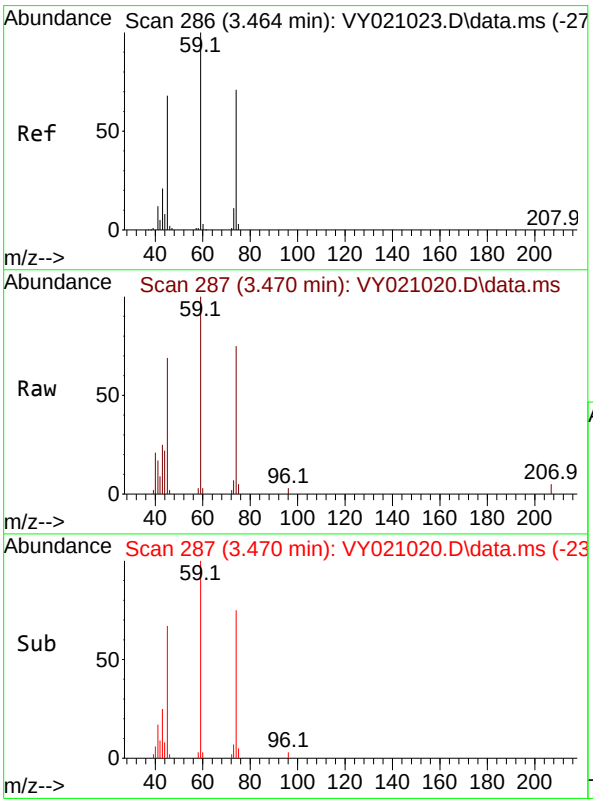
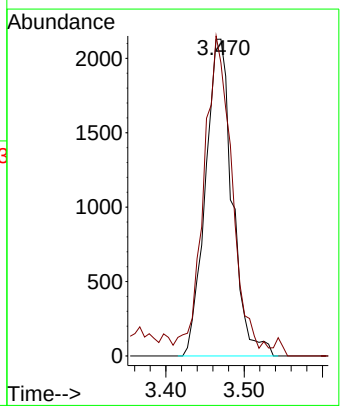
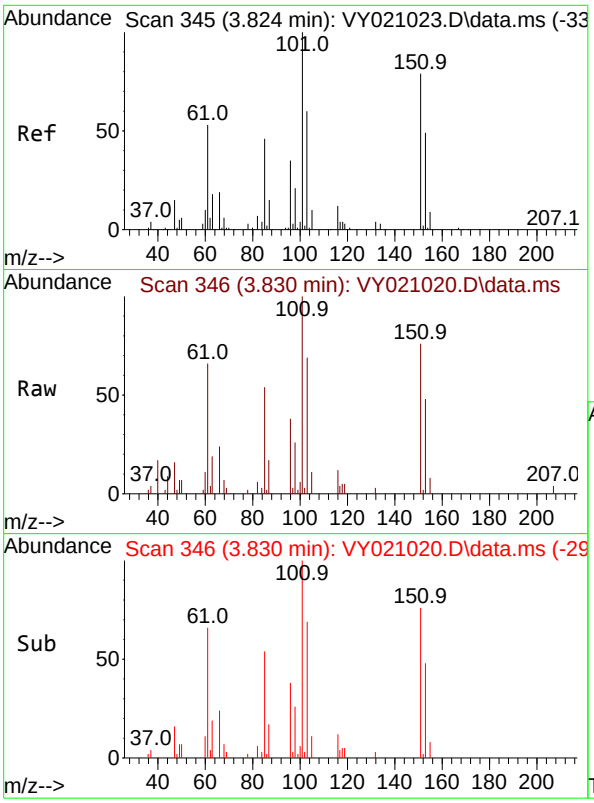


#8
Diethyl Ether
Concen: 6.827 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 74 Resp: 5090

Ion	Ratio	Lower	Upper
74	100		
45	107.1	43.4	130.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.476 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:101 Resp: 1089

Ion	Ratio	Lower	Upper
101	100		
85	47.3	34.9	52.3
151	76.2	66.8	100.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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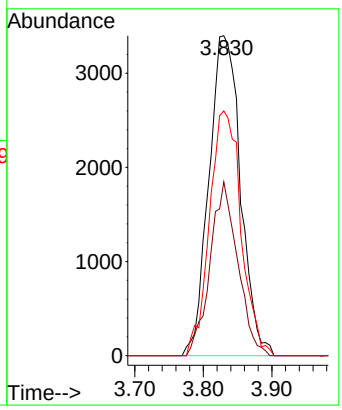
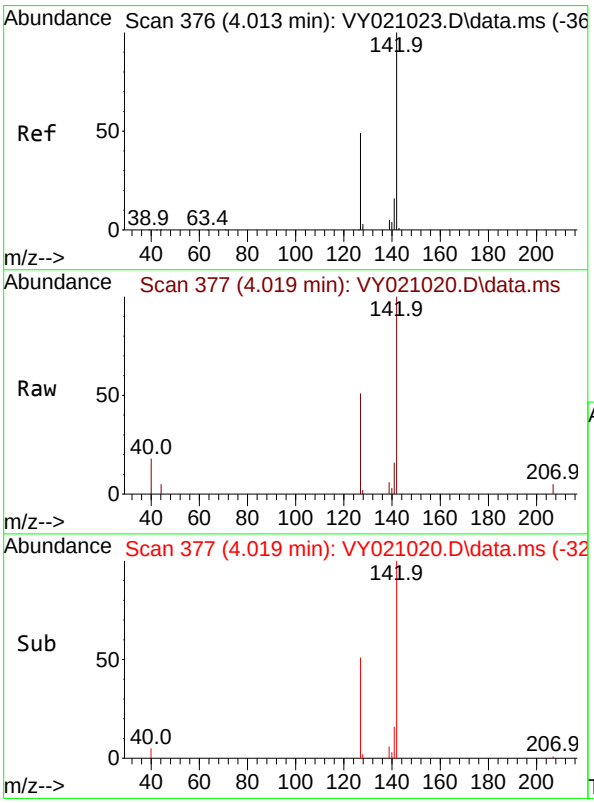
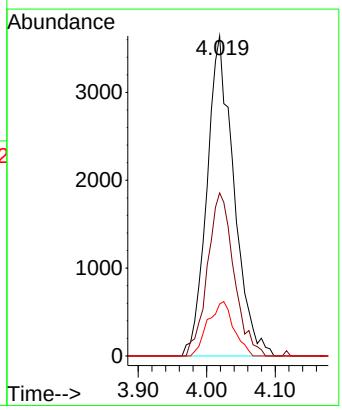


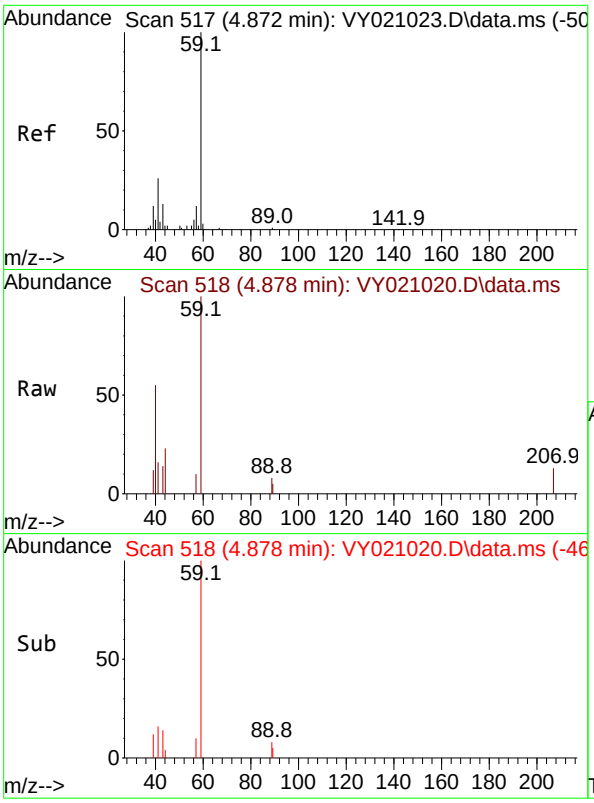


#10
Methyl Iodide
Concen: 5.156 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:142 Resp: 9923

Ion	Ratio	Lower	Upper
142	100		
127	50.1	38.9	58.3
141	16.3	11.7	17.5

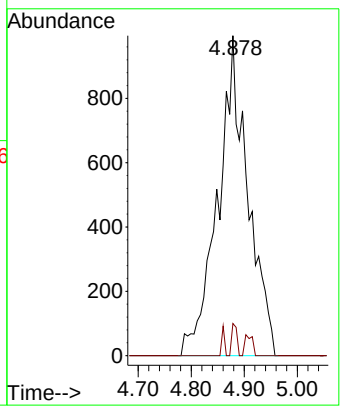




#11
Tert butyl alcohol
Concen: 33.712 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 59 Resp: 389

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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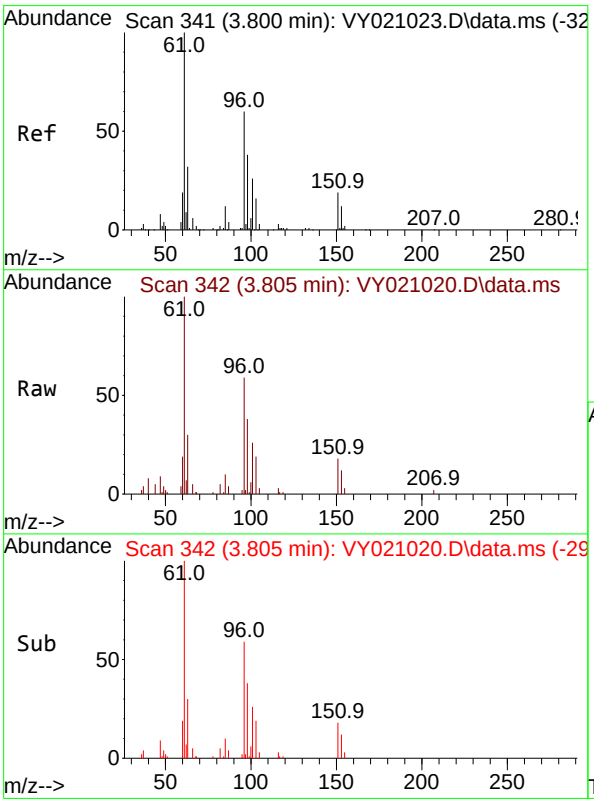
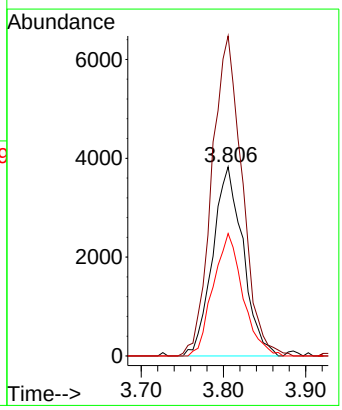
Supervised By :Semsettin Yesilyurt 02/04/2025

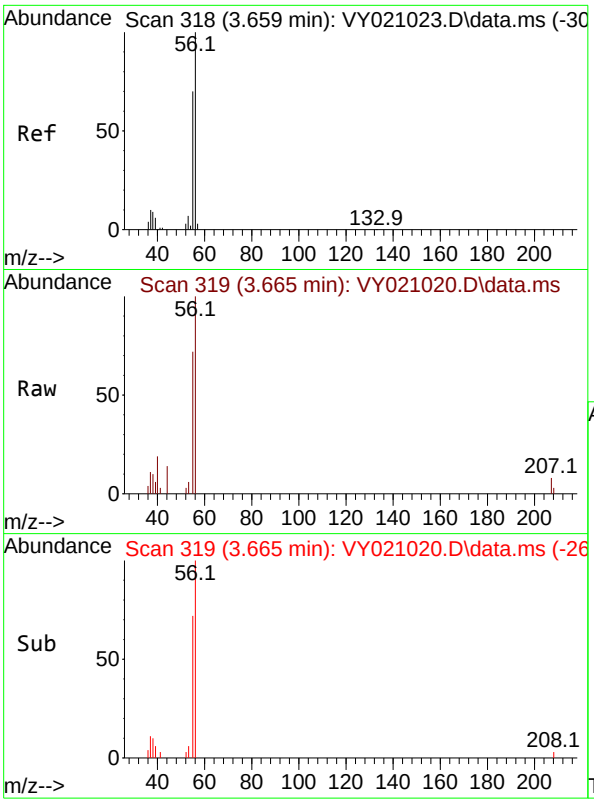


#12
1,1-Dichloroethene
Concen: 6.255 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 9831

Ion	Ratio	Lower	Upper
96	100		
61	169.2	120.8	181.2
98	64.7	50.6	76.0

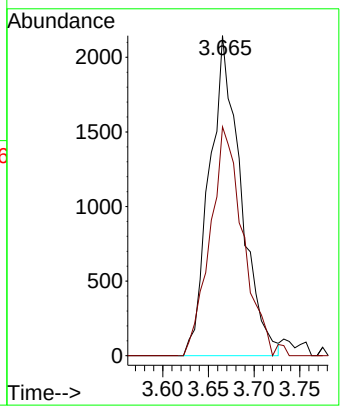




#13
Acrolein
Concen: 38.472 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 56 Resp: 511

Ion	Ratio	Lower	Upper
56	100		
55	75.4	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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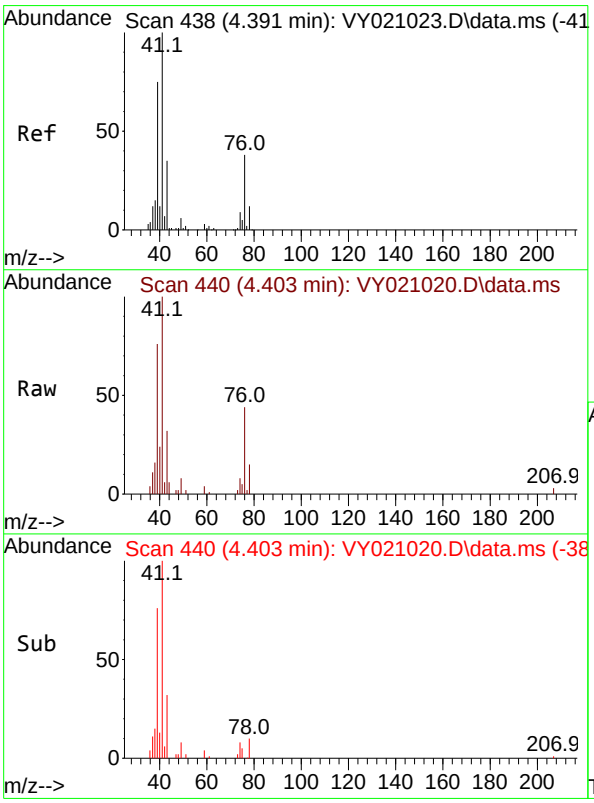
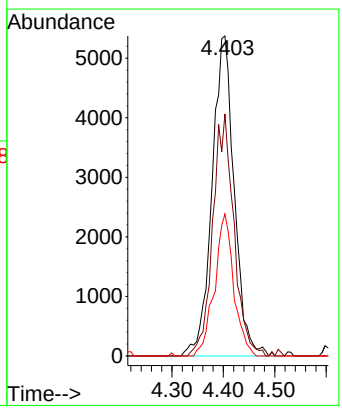
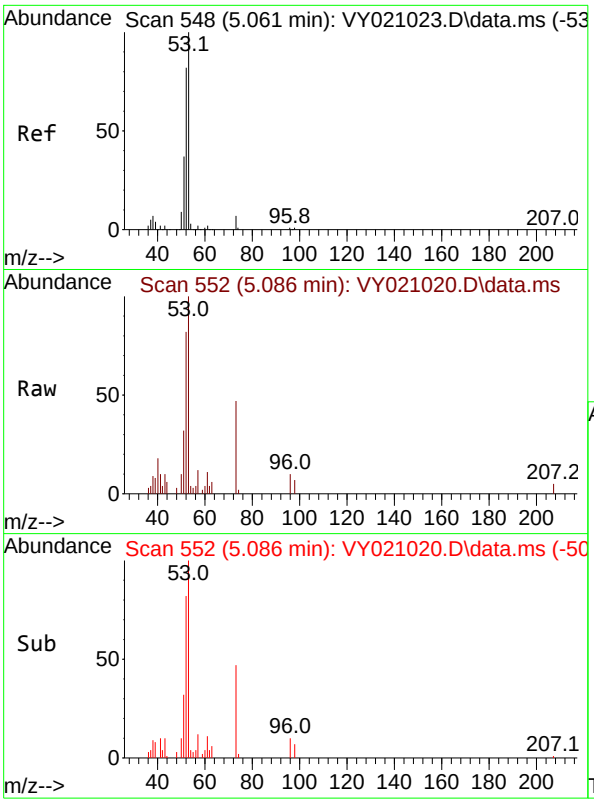


#14
Allyl chloride
Concen: 7.456 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 16131

Ion	Ratio	Lower	Upper
41	100		
39	71.9	53.5	80.3
76	38.4	34.6	52.0





#15
Acrylonitrile
Concen: 33.047 ug/l
RT: 5.086 min Scan# 5
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 53 Resp: 1013

Ion	Ratio	Lower	Upper
53	100		
52	50.1	66.2	99.4
51	39.5	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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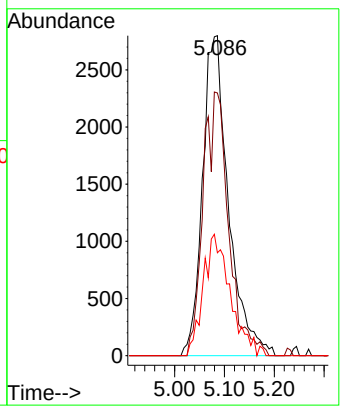
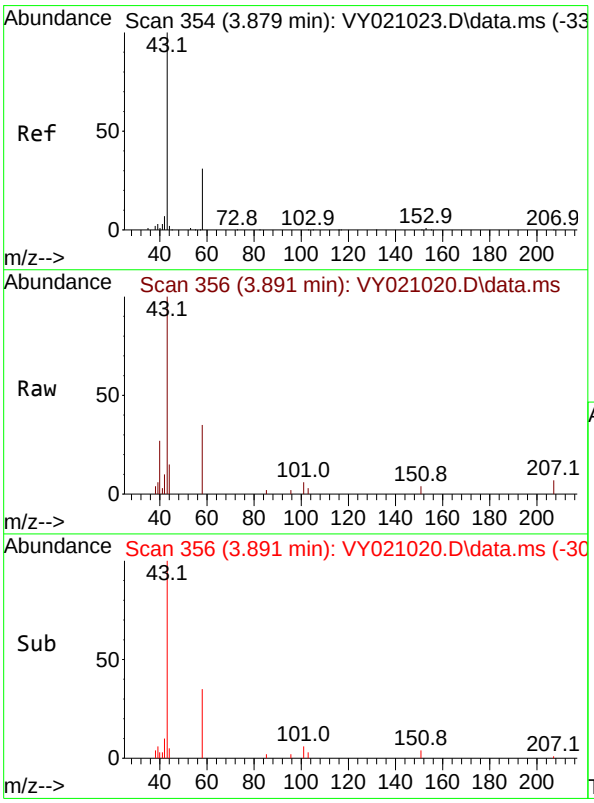
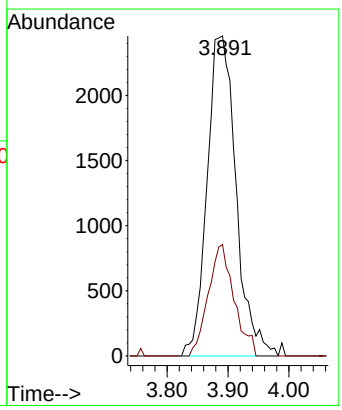


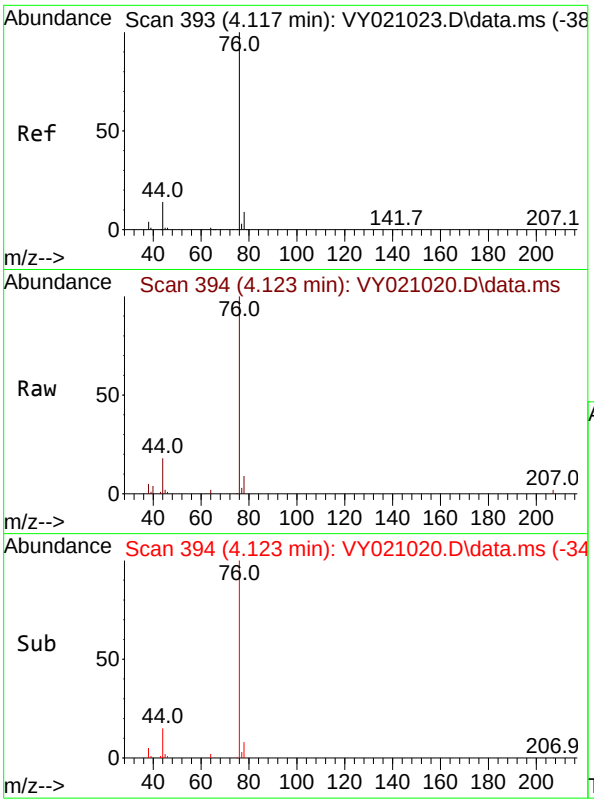


#16
Acetone
Concen: 37.678 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8118

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.4	42.6

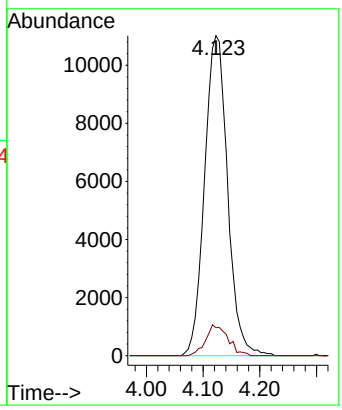




#17
Carbon Disulfide
Concen: 6.417 ug/l
RT: 4.123 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 76 Resp: 3106

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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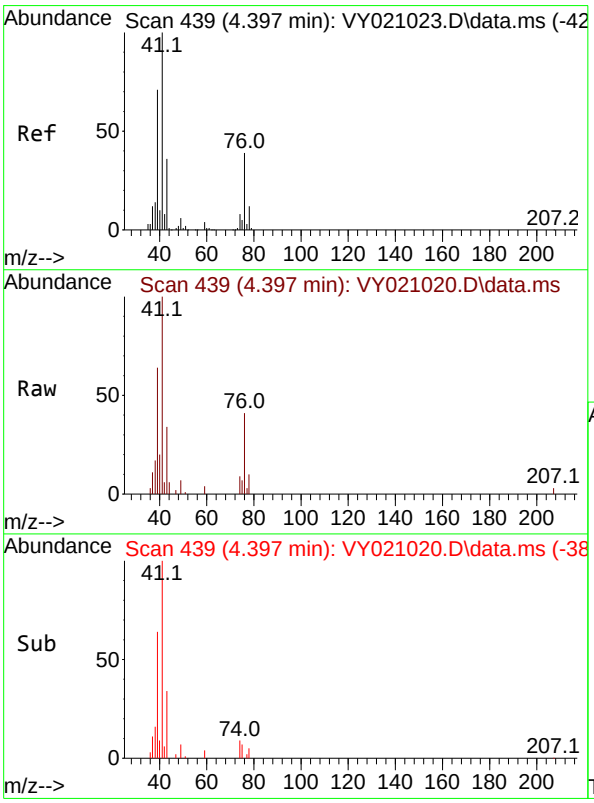
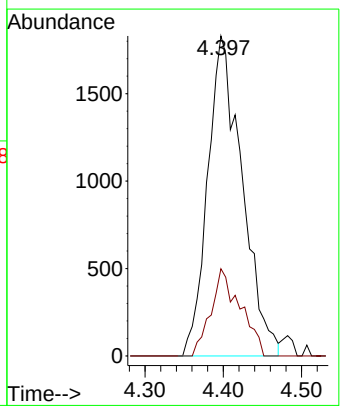
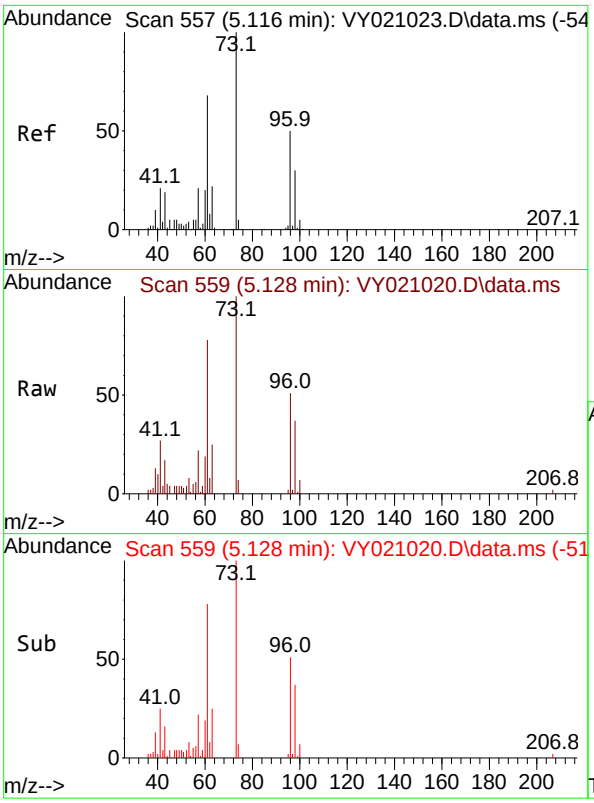


#18
Methyl Acetate
Concen: 7.397 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 5577

Ion	Ratio	Lower	Upper
43	100		
74	23.4	22.2	33.4

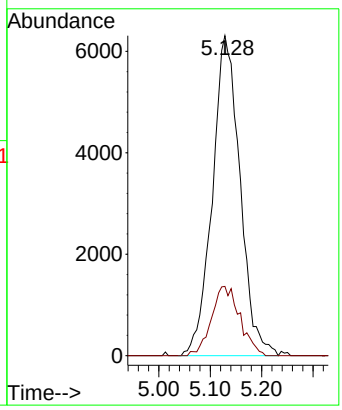




#19
Methyl tert-butyl Ether
Concen: 6.452 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 73 Resp: 2360

Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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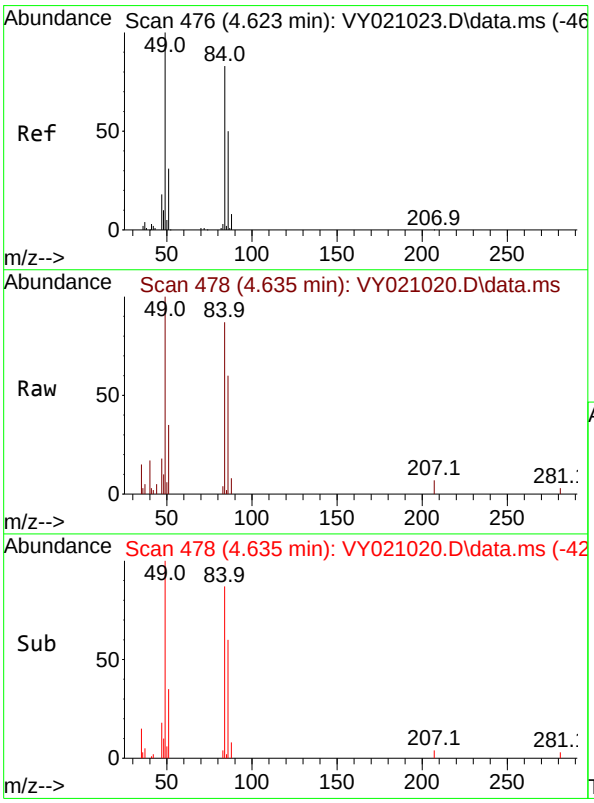
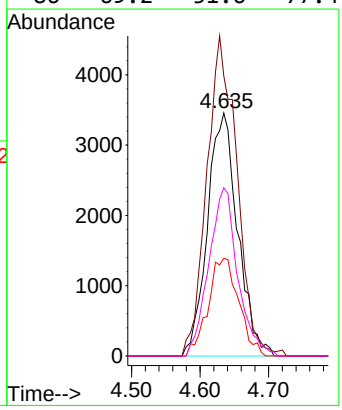
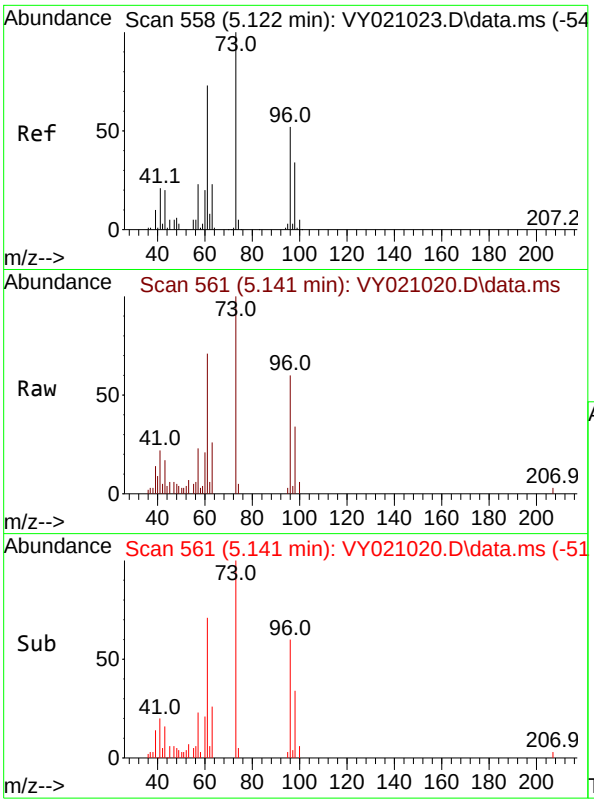


#20
Methylene Chloride
Concen: 6.661 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 84 Resp: 10585

Ion	Ratio	Lower	Upper
84	100		
49	115.3	88.3	132.5
51	40.2	27.7	41.5
86	69.2	51.6	77.4

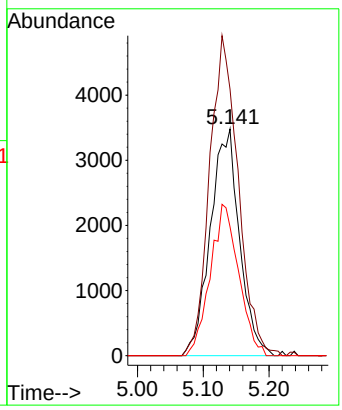




#21
trans-1,2-Dichloroethene
Concen: 6.364 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 1072

Ion	Ratio	Lower	Upper
96	100		
61	117.6	101.5	152.3
98	56.8	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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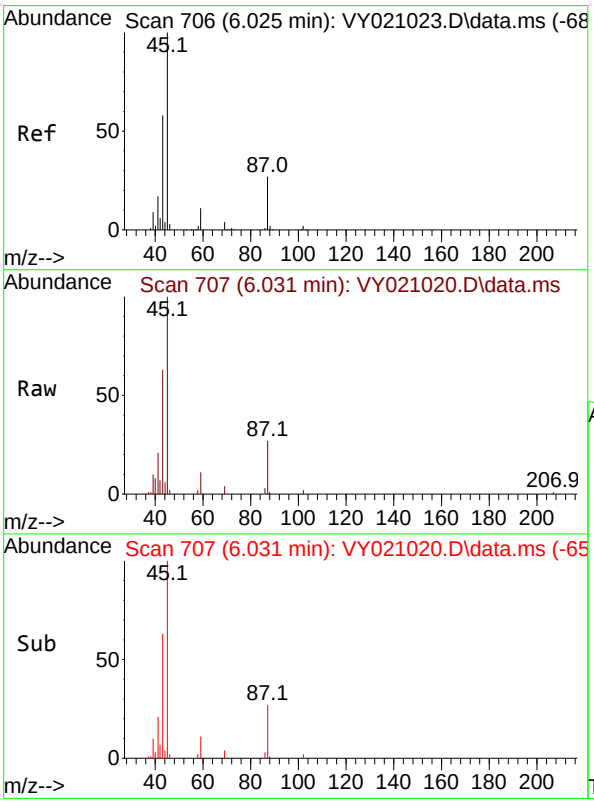
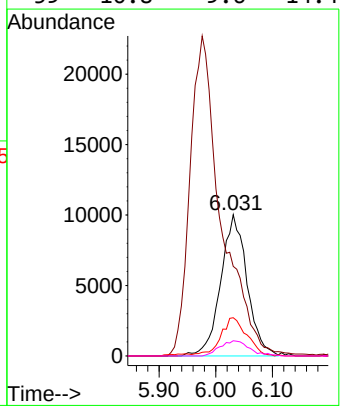
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

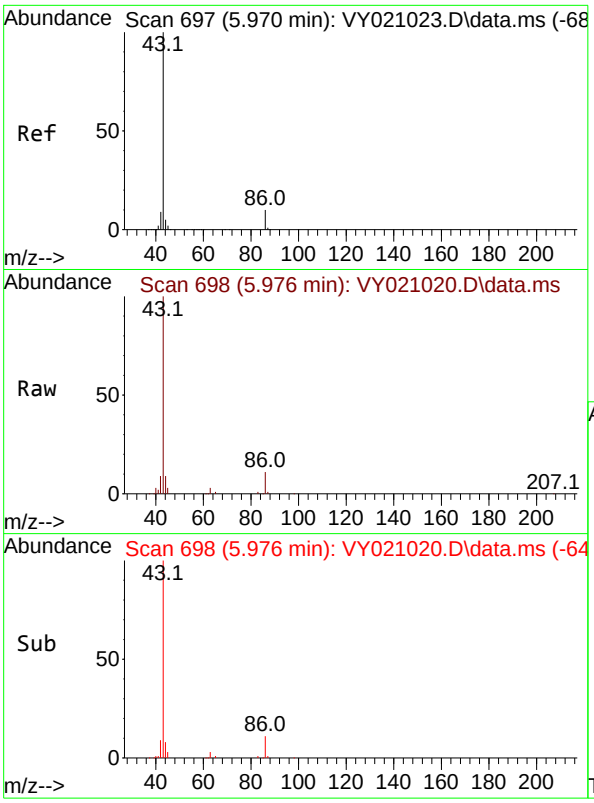


#22
Diisopropyl ether
Concen: 7.329 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 45 Resp: 32323

Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.1	67.7
87	26.3	25.0	37.4
59	10.8	9.6	14.4





#23
Vinyl Acetate
Concen: 35.621 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8700

Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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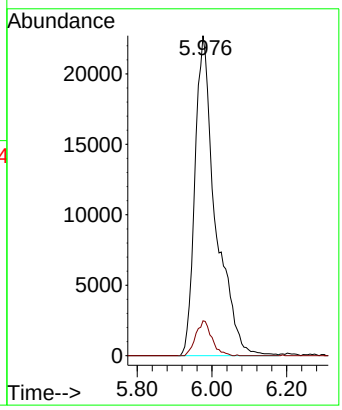
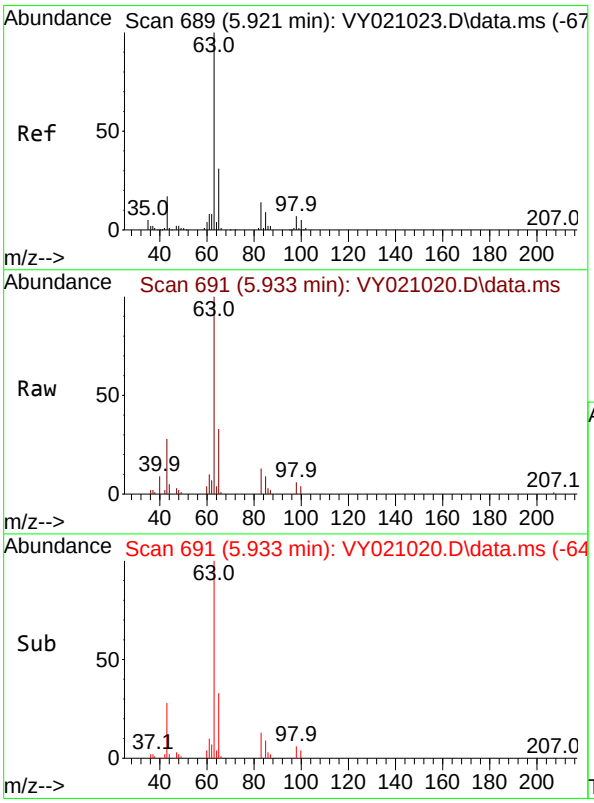
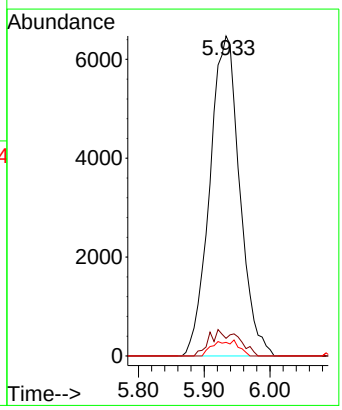


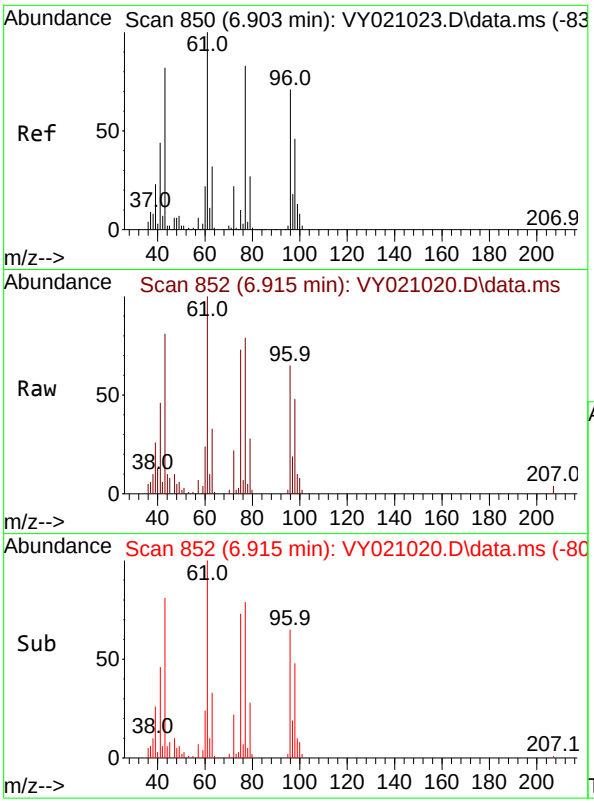


#24
1,1-Dichloroethane
Concen: 7.202 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 20490

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.7	11.1
100	4.3	2.4	7.2





#25
2-Butanone
Concen: 34.105 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 1246

Ion	Ratio	Lower	Upper
43	100		
72	26.7	24.3	36.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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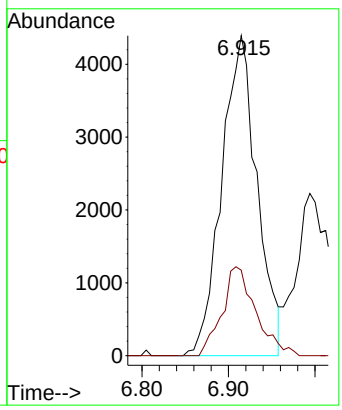
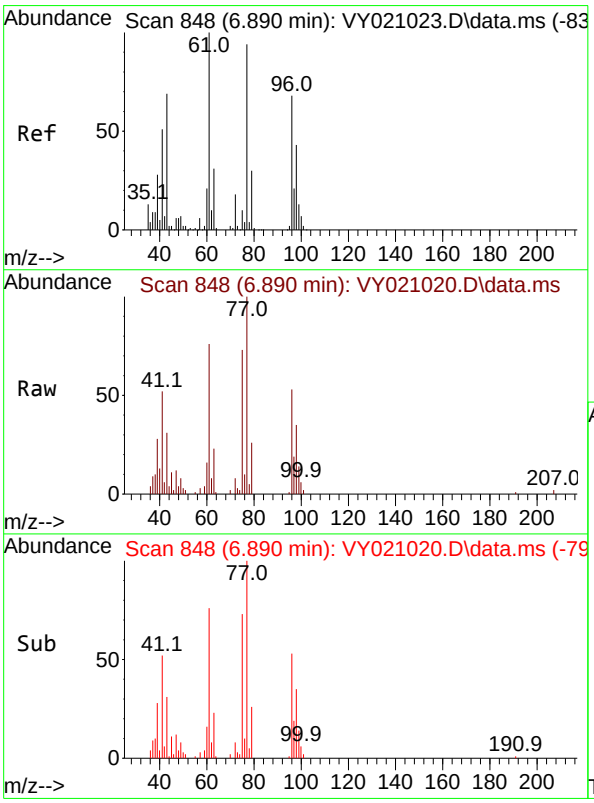
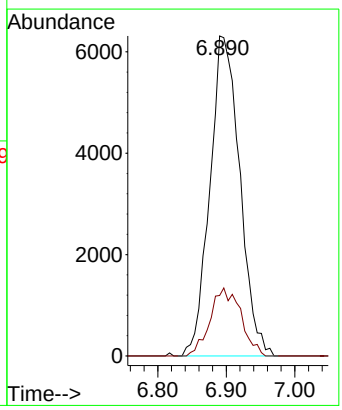


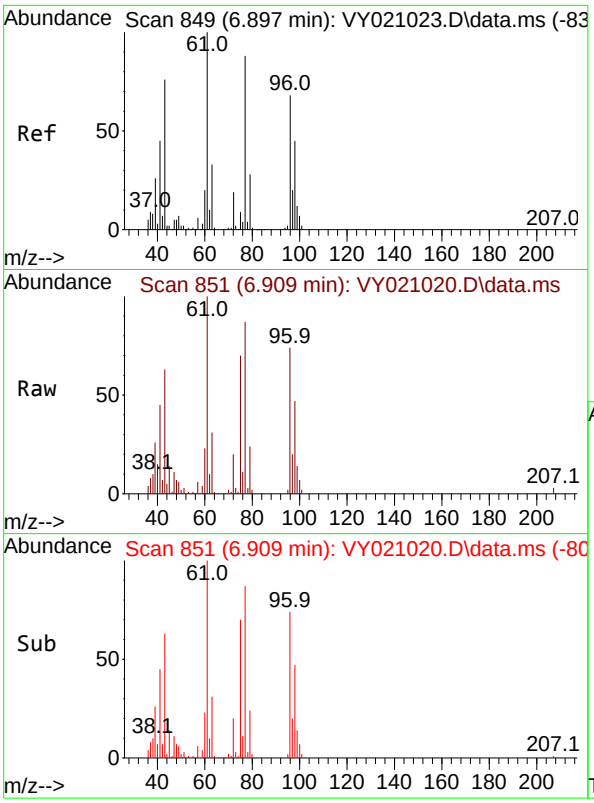


#26
2,2-Dichloropropane
Concen: 6.834 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 77 Resp: 19144

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.4	34.2

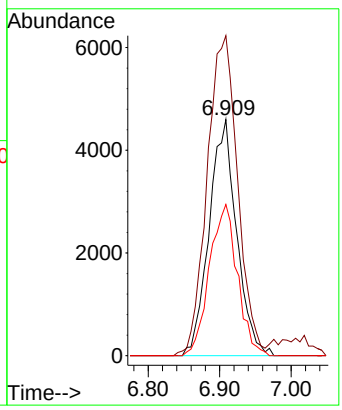




#27
cis-1,2-Dichloroethene
Concen: 6.350 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 1229

Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	274.0
98	65.1	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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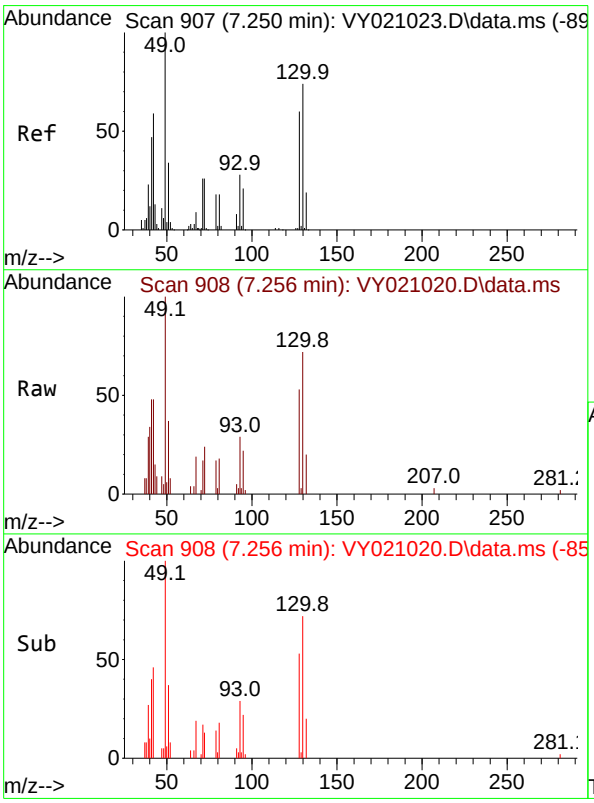
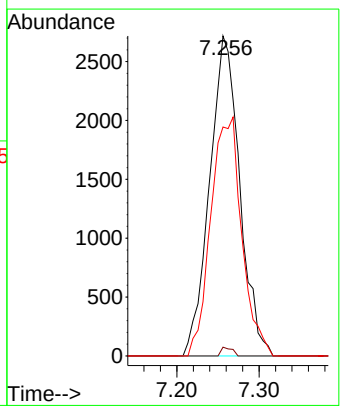
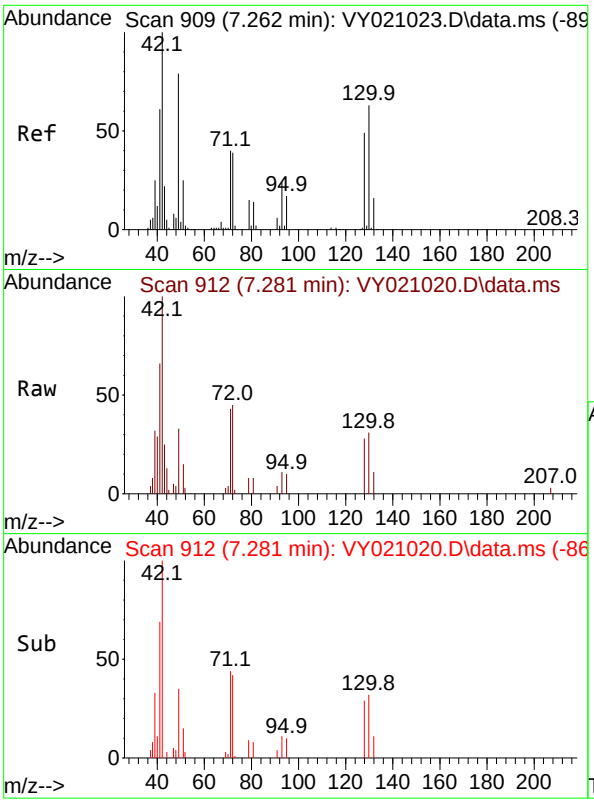


#28
Bromochloromethane
Concen: 6.527 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 49 Resp: 6919

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	5.0
130	76.6	73.2	109.8





#29
Tetrahydrofuran
Concen: 33.310 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 42 Resp: 819

Ion	Ratio	Lower	Upper
42	100		
72	43.4	39.3	58.9
71	40.6	36.1	54.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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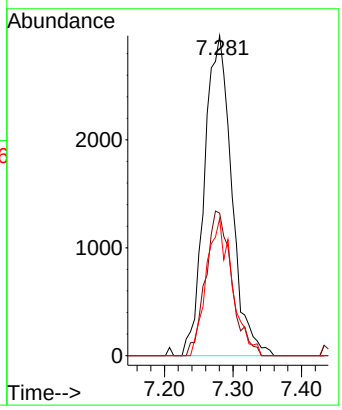
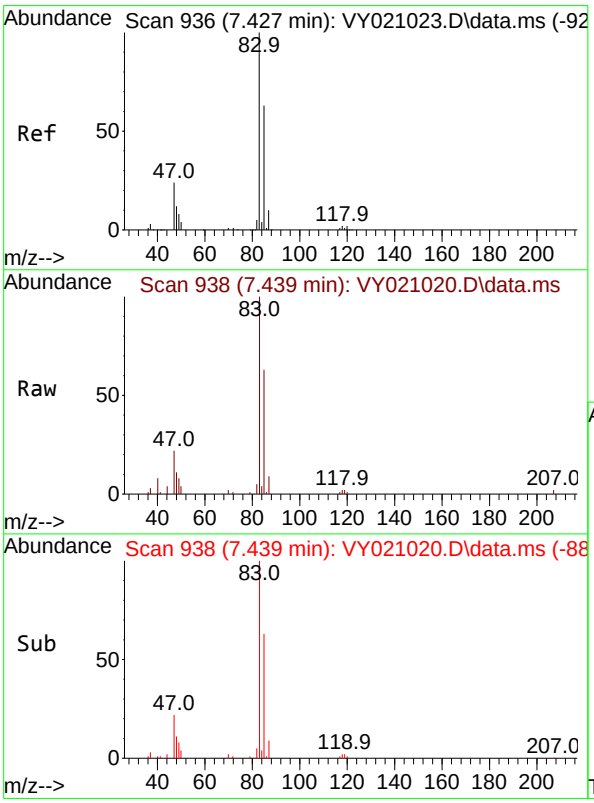
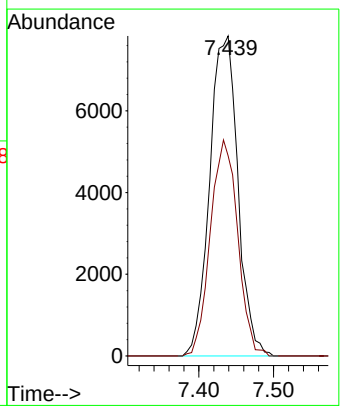


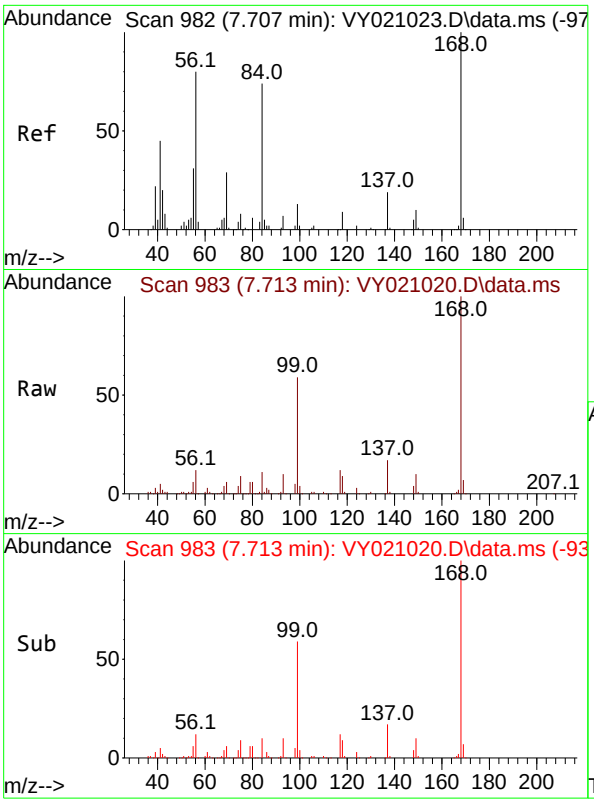


#30
Chloroform
Concen: 6.669 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 20552

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.9	79.3





#31
Cyclohexane
Concen: 7.295 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 56 Resp: 2028

Ion	Ratio	Lower	Upper
56	100		
69	54.9	27.7	41.5
84	88.9	77.5	116.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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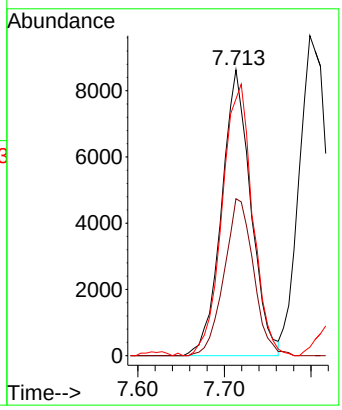
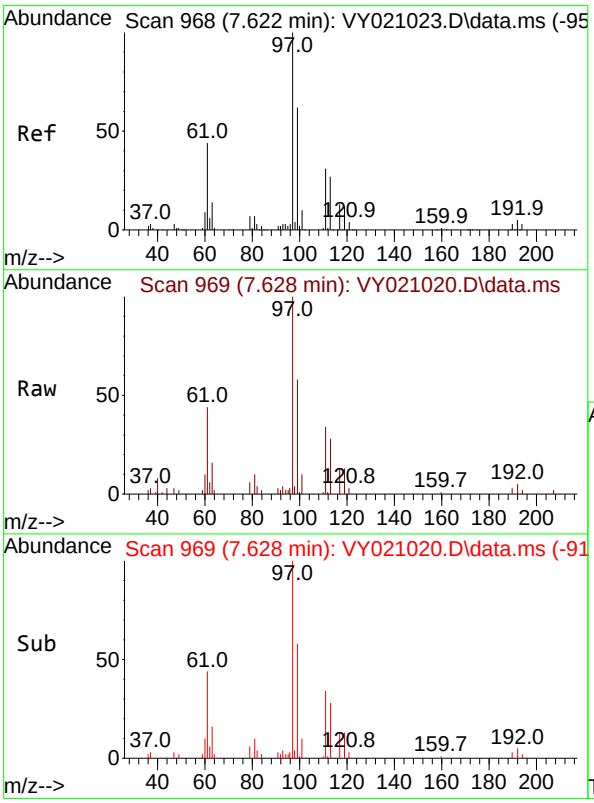
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

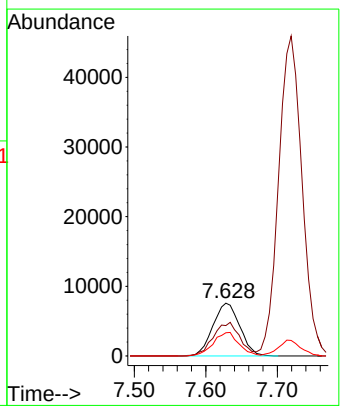


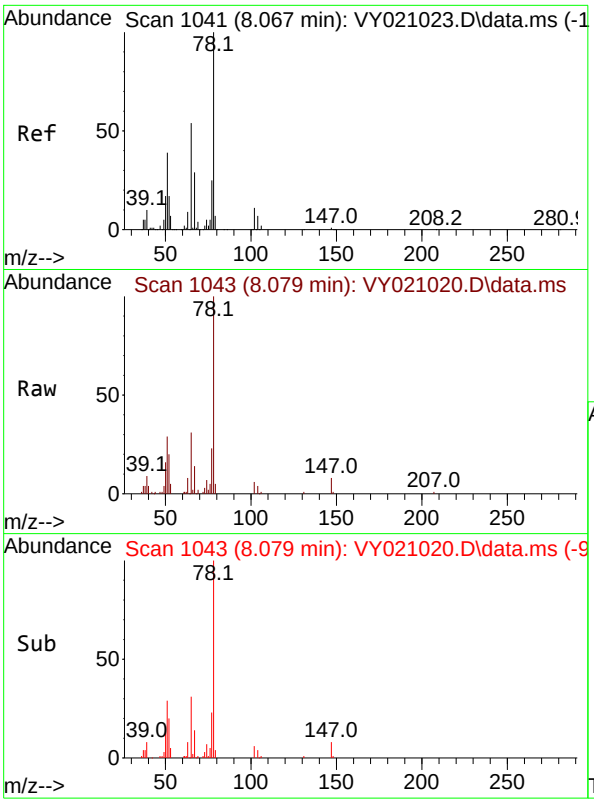


#32
1,1,1-Trichloroethane
Concen: 6.645 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 19818

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.0
61	42.5	31.4	47.0

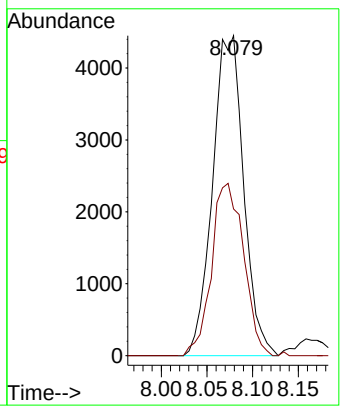




#33
1,2-Dichloroethane-d4
Concen: 6.651 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 65 Resp: 1051

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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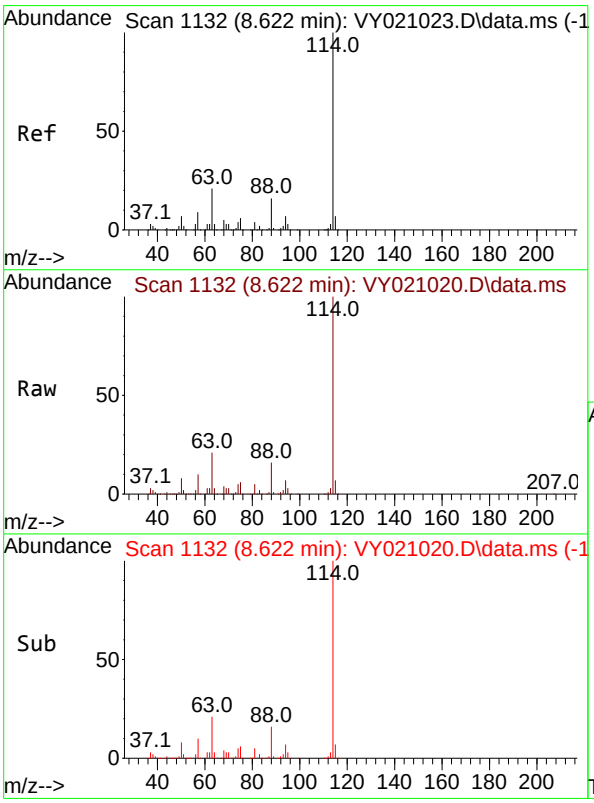
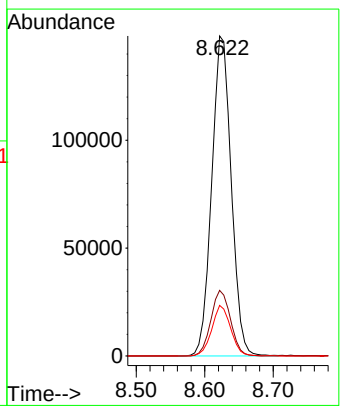
Supervised By :Semsettin Yesilyurt 02/04/2025

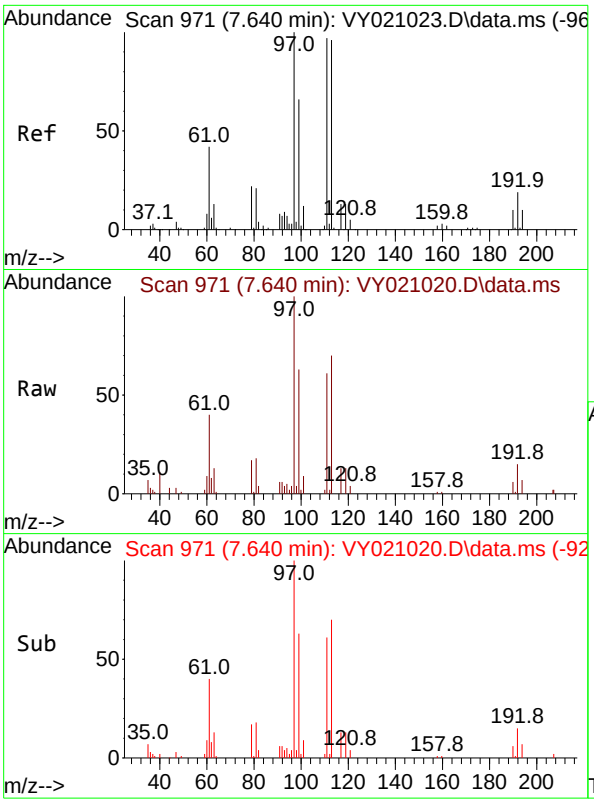


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:114 Resp: 293189

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	37.2
88	15.8	0.0	29.6





#35
Dibromofluoromethane
Concen: 5.840 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:113 Resp: 1029

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	22.3	16.8	25.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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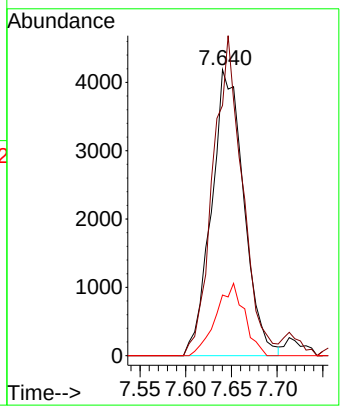
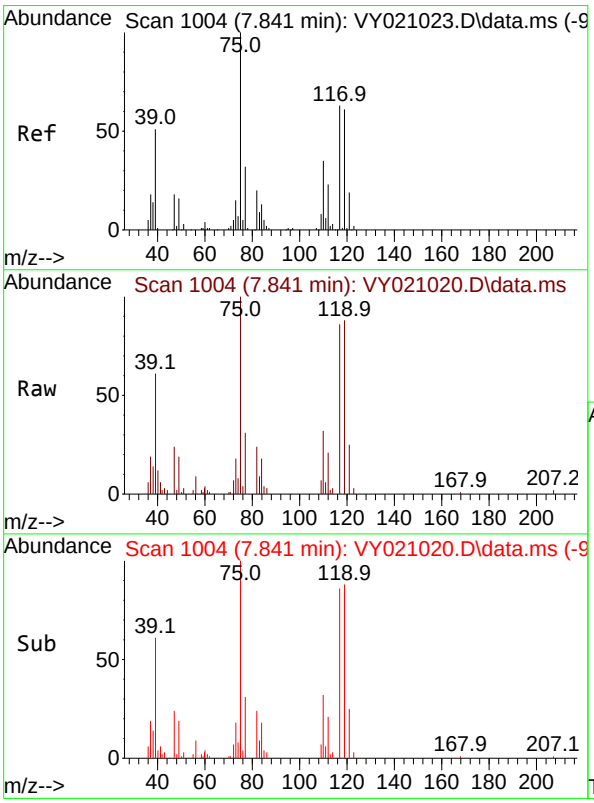
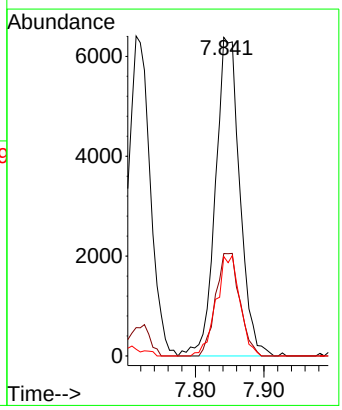


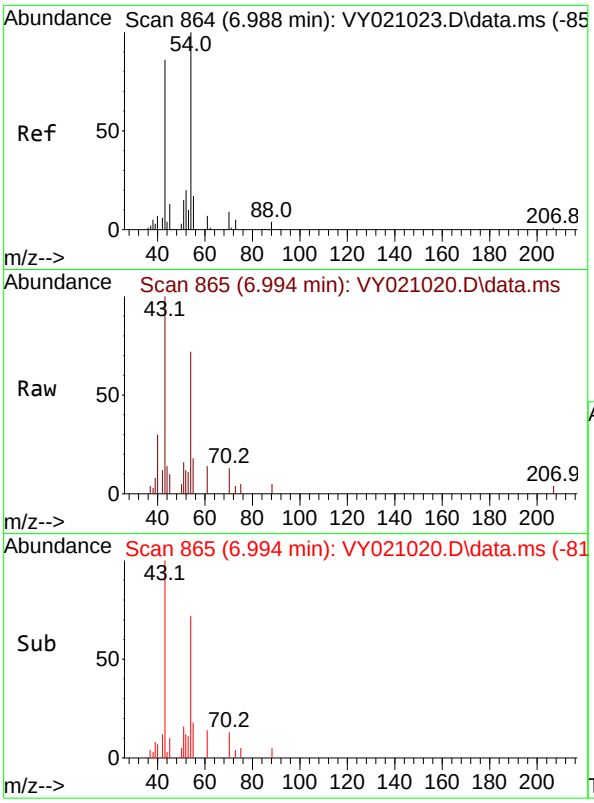


#36
1,1-Dichloropropene
Concen: 6.231 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15667

Ion	Ratio	Lower	Upper
75	100		
110	31.9	18.4	55.2
77	30.6	24.9	37.3





#37
Ethyl Acetate
Concen: 6.809 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 638

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	6.2	9.6	14.4#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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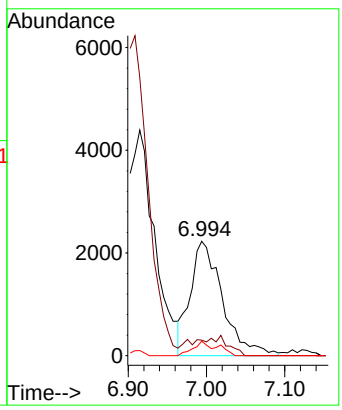
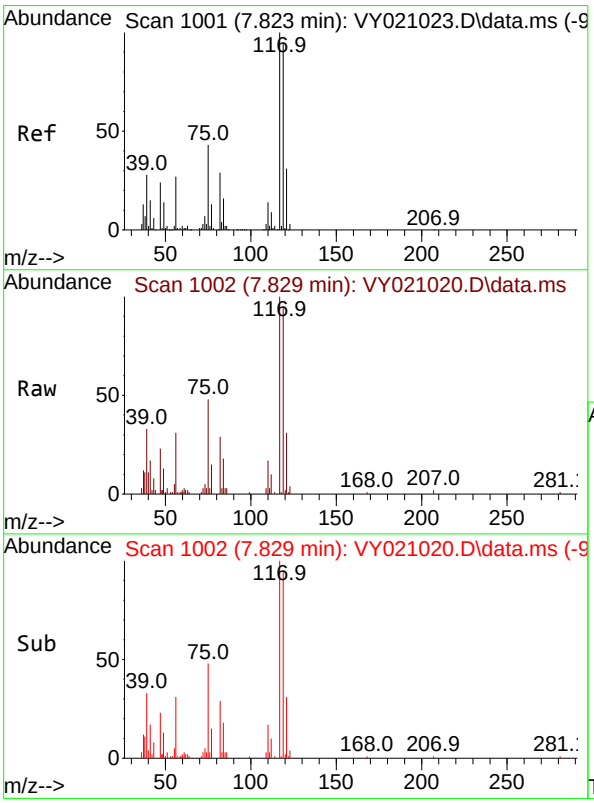
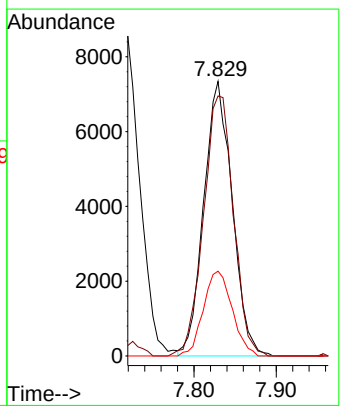


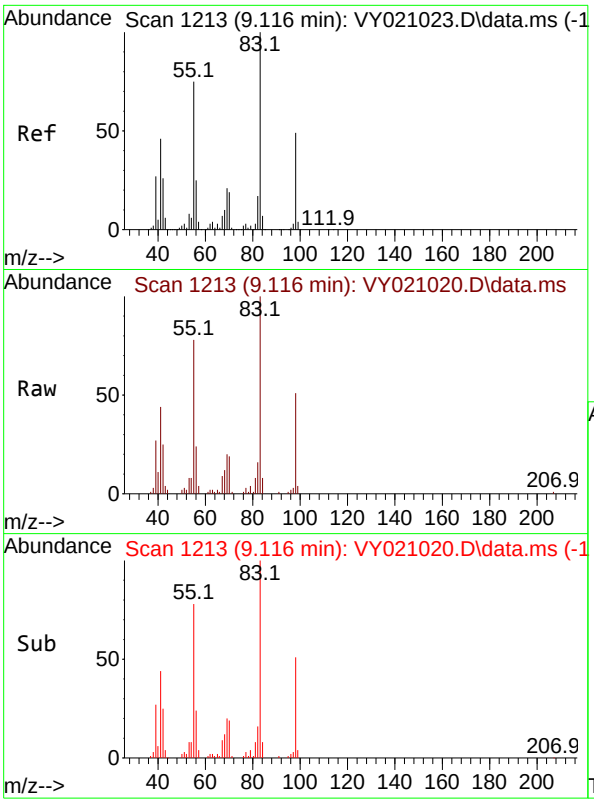


#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 17709

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.0	112.6
121	30.9	24.2	36.2





#39
Methylcyclohexane
Concen: 5.287 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 1786

Ion	Ratio	Lower	Upper
83	100		
55	77.6	54.9	82.3
98	51.3	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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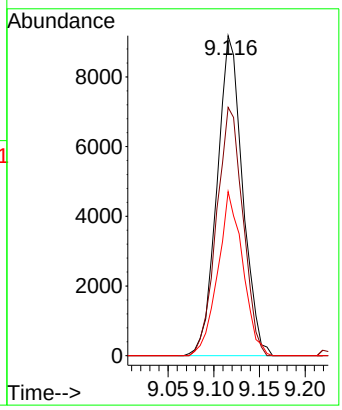
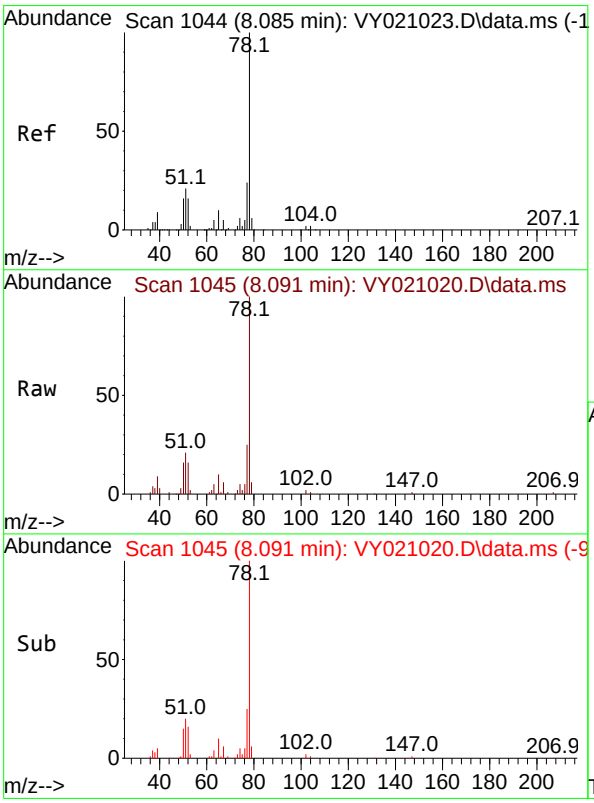
Supervised By :Semsettin Yesilyurt 02/04/2025

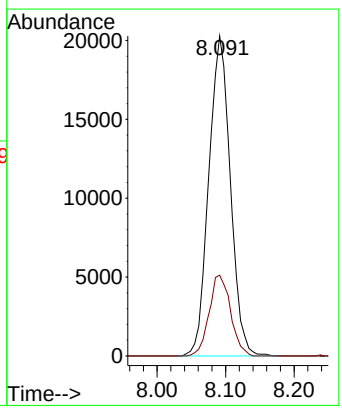


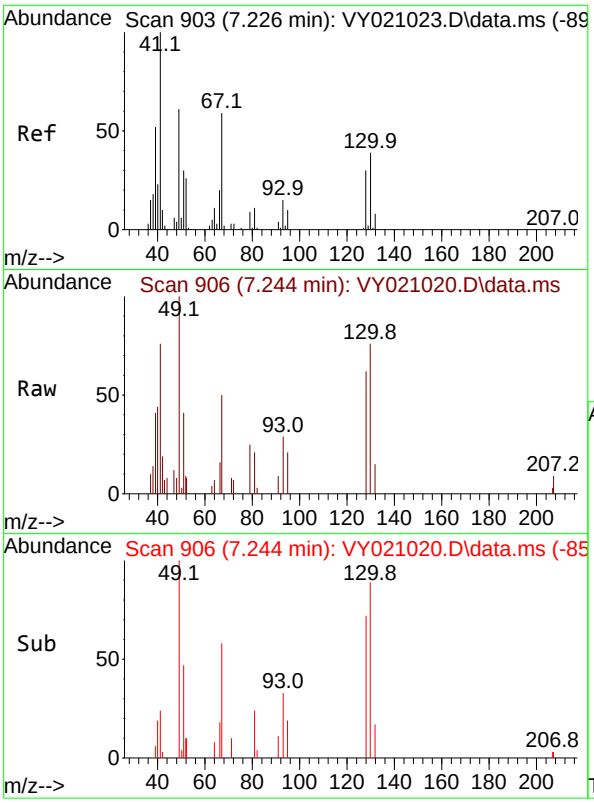


#40
Benzene
Concen: 5.991 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 78 Resp: 44324

Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.2

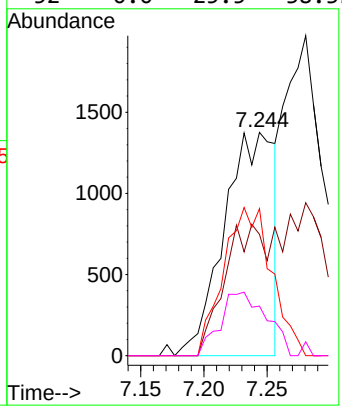




#41
Methacrylonitrile
Concen: 7.345 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 381

Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.6	62.4#
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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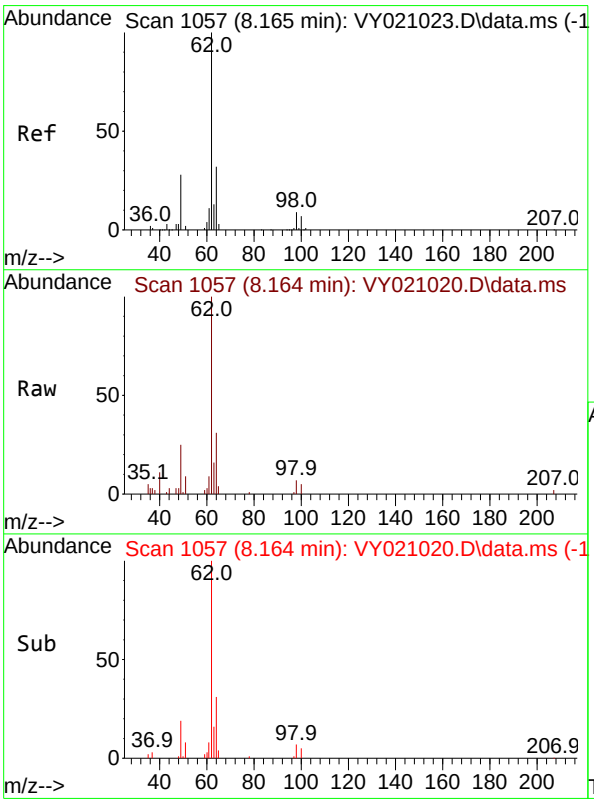
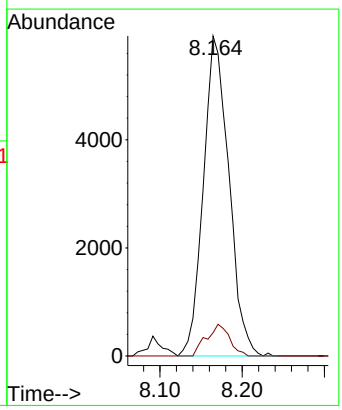
Supervised By :Semsettin Yesilyurt 02/04/2025

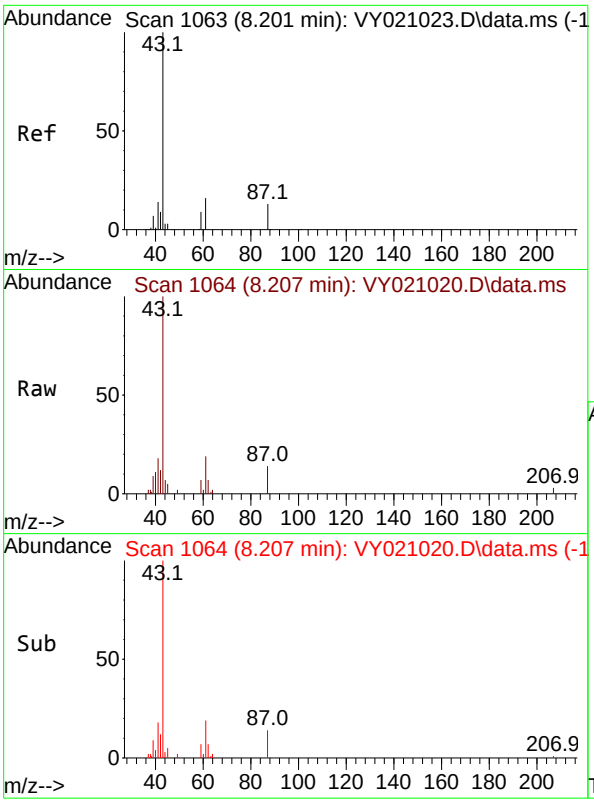


#42
1,2-Dichloroethane
Concen: 6.801 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 12762

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4

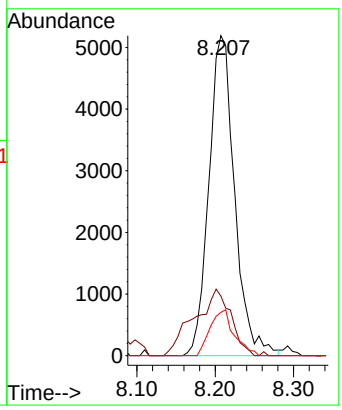




#43
Isopropyl Acetate
Concen: 6.321 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 1183

Ion	Ratio	Lower	Upper
43	100		
61	29.5	15.8	23.6
87	13.3	12.5	18.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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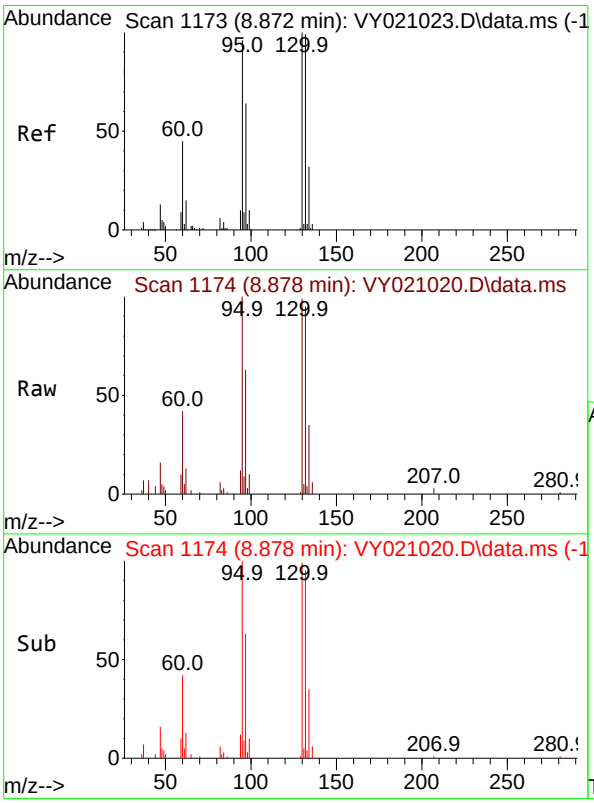
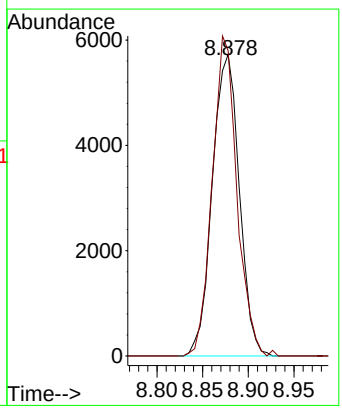
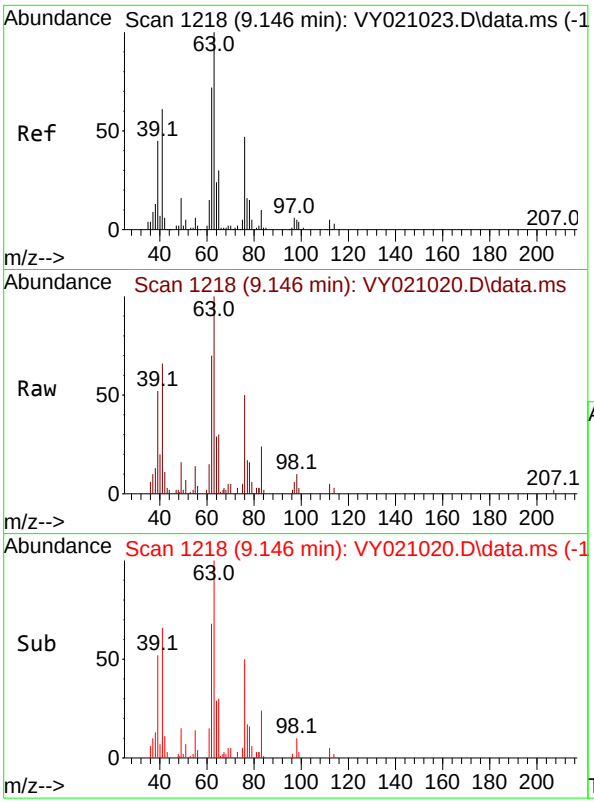


#44
Trichloroethene
Concen: 5.756 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:130 Resp: 11751

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	189.6

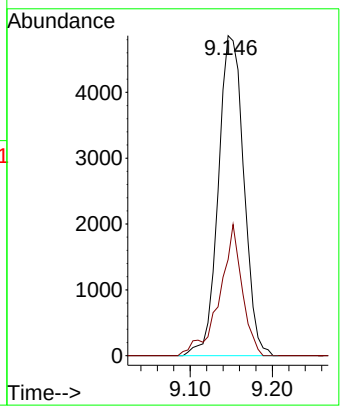




#45
1,2-Dichloropropane
Concen: 6.318 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 1047

Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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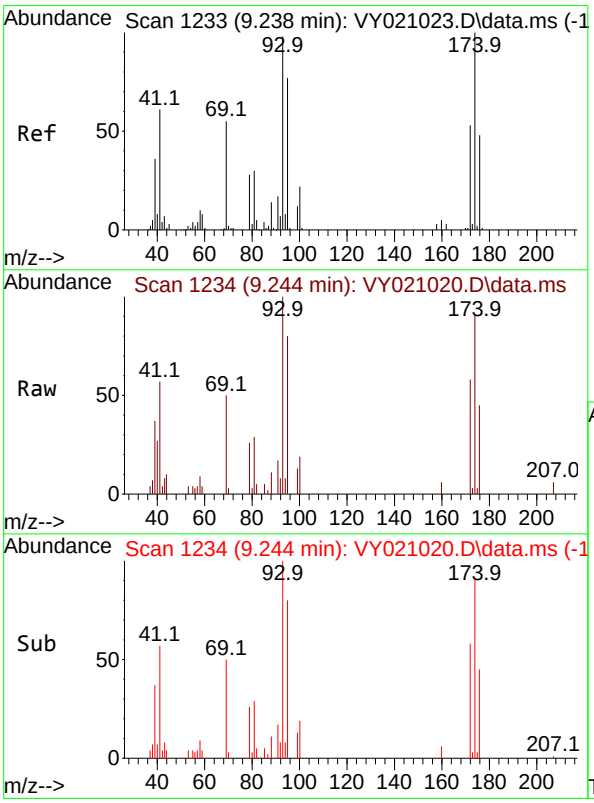
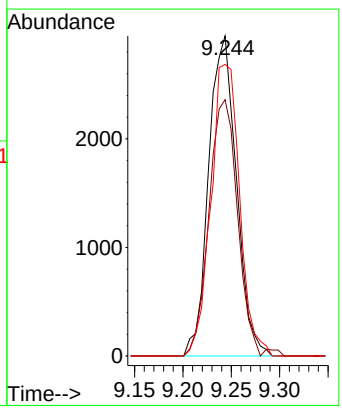
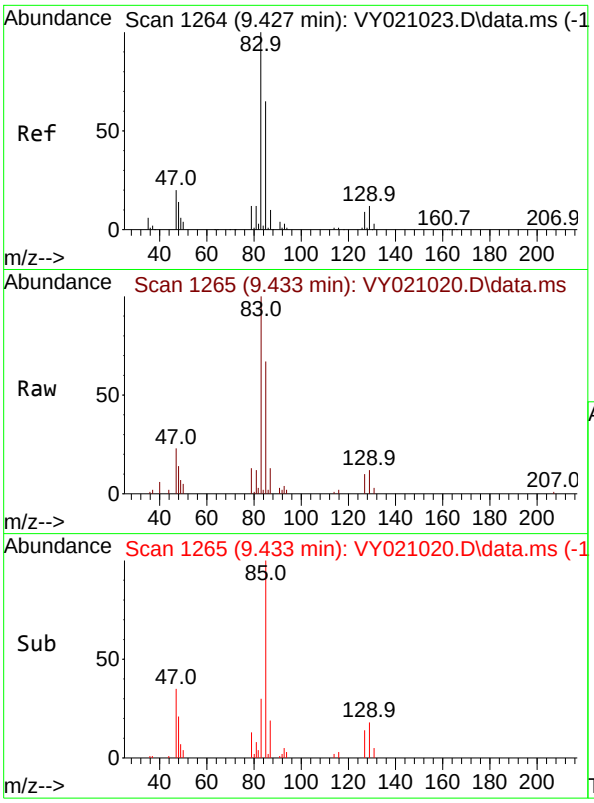


#46
Dibromomethane
Concen: 6.098 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 93 Resp: 5885

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	94.4	88.1	132.1





#47
Bromodichloromethane
Concen: 6.107 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 1547

Ion	Ratio	Lower	Upper
83	100		
85	67.5	49.6	74.4
127	9.6	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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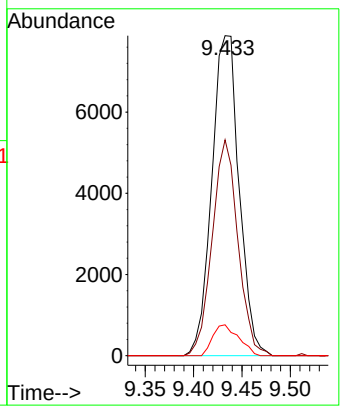
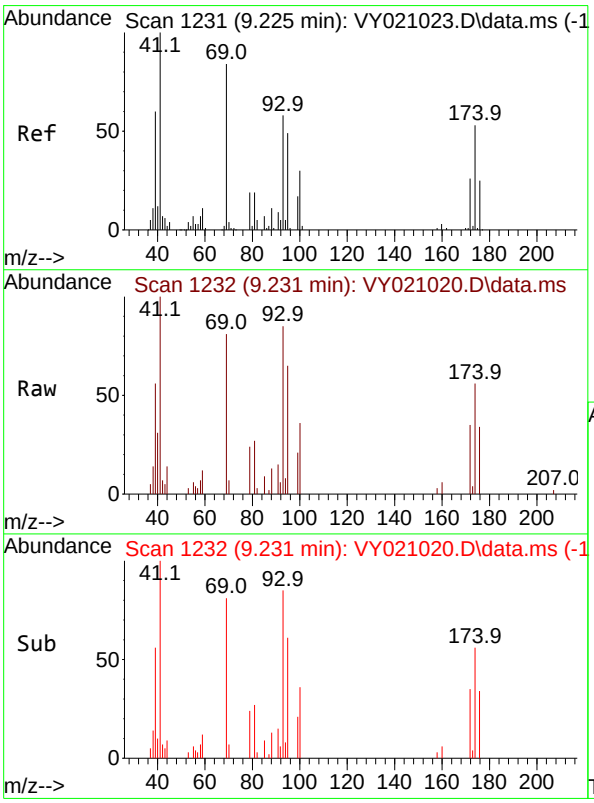
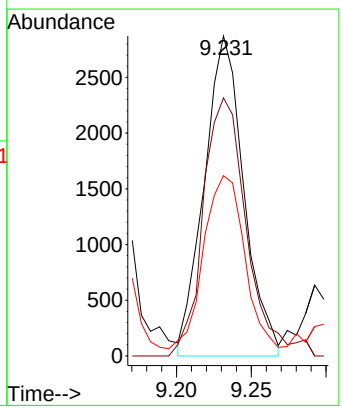


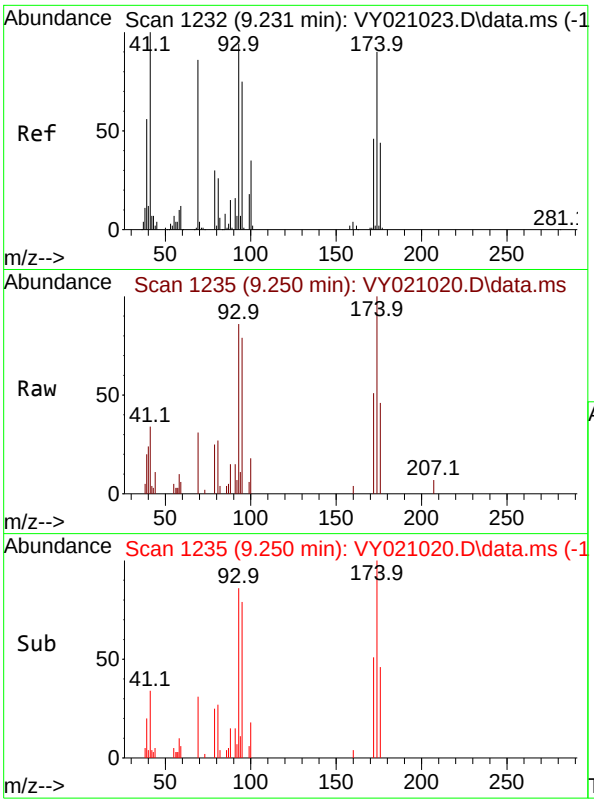


#48
Methyl methacrylate
Concen: 5.922 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 5280

Ion	Ratio	Lower	Upper
41	100		
69	88.4	75.6	113.4
39	56.6	41.3	61.9





#49
1,4-Dioxane
Concen: 91.663 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 88 Resp: 94

Ion	Ratio	Lower	Upper
88	100		
43	39.6	24.2	36.4
58	73.5	57.3	85.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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Reviewed By :Mahesh Dadoda 02/04/2025
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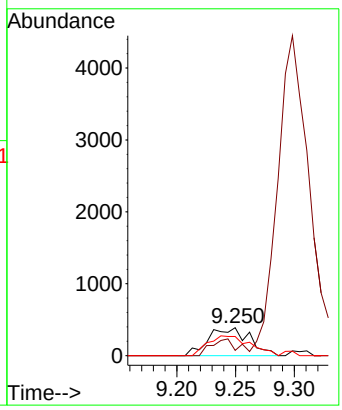
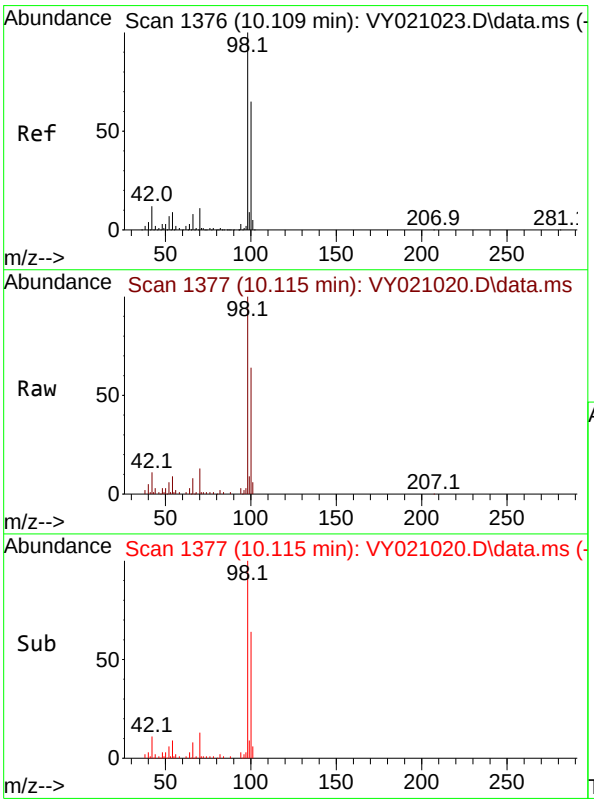
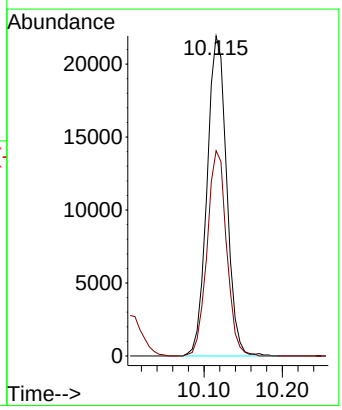


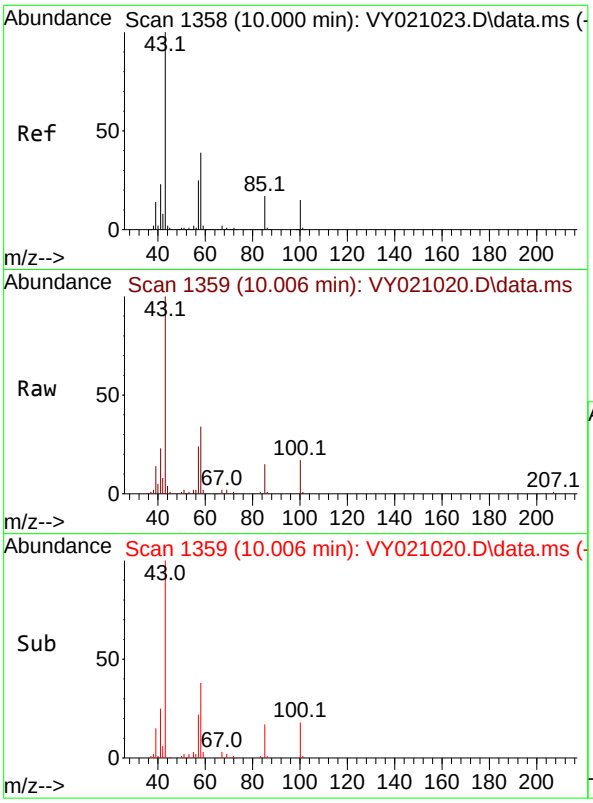


#50
Toluene-d8
Concen: 5.520 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 98 Resp: 37973

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0

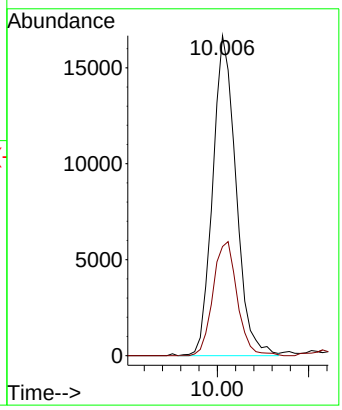




#51
4-Methyl-2-Pentanone
Concen: 30.730 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 2957

Ion	Ratio	Lower	Upper
43	100		
58	36.9	33.8	50.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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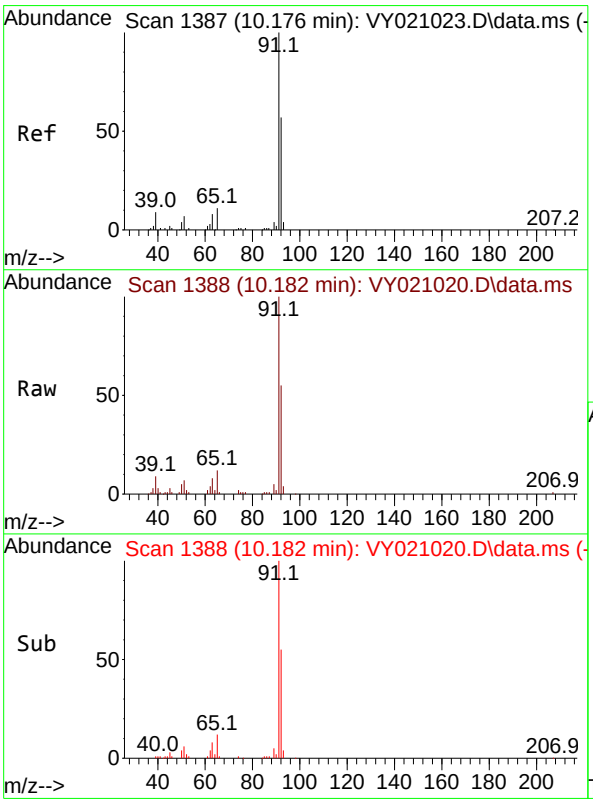
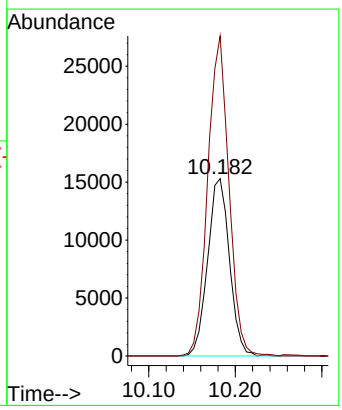
Supervised By :Semsettin Yesilyurt 02/04/2025

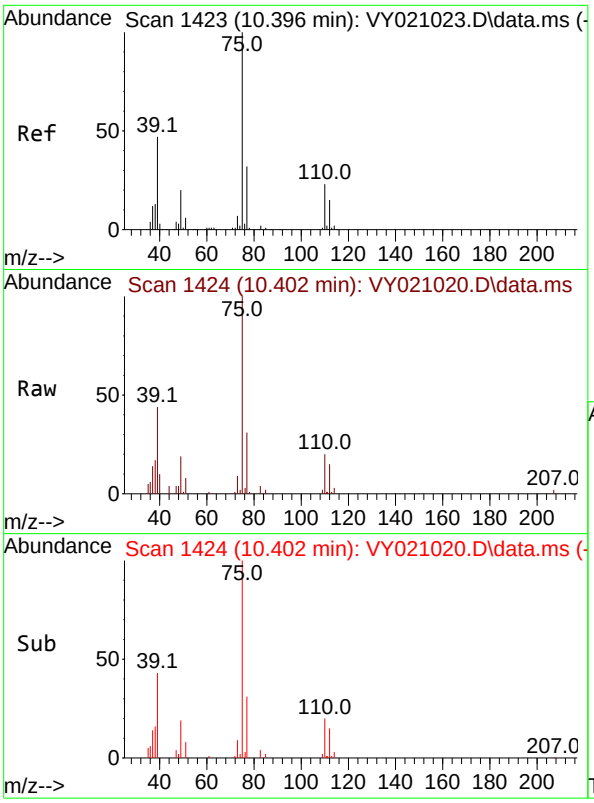


#52
Toluene
Concen: 5.572 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 92 Resp: 26760

Ion	Ratio	Lower	Upper
92	100		
91	174.8	135.8	203.8

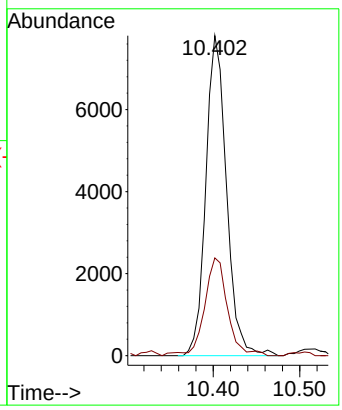




#53
t-1,3-Dichloropropene
Concen: 5.639 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1293

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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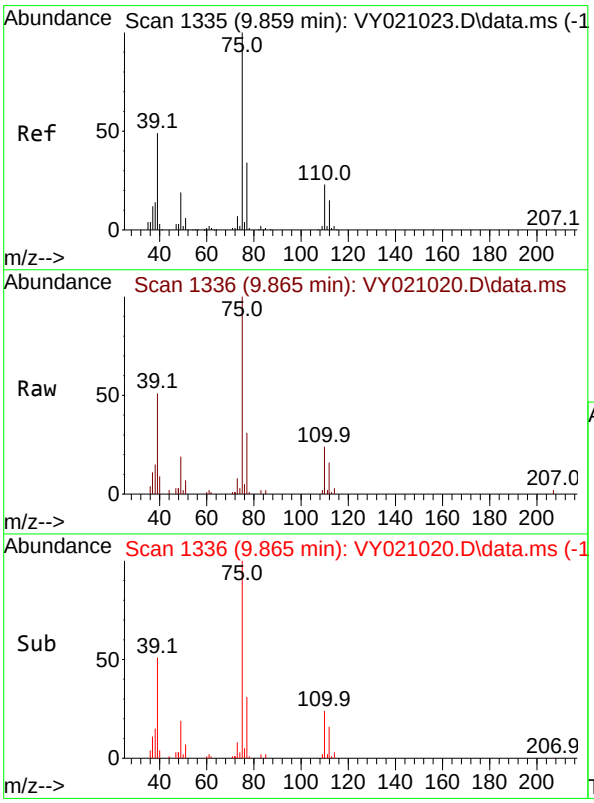
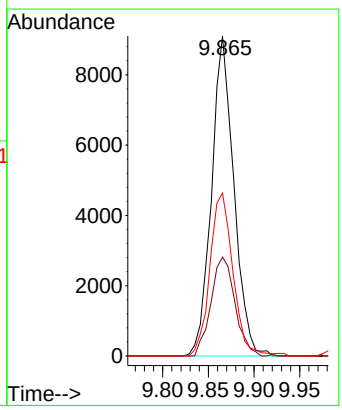
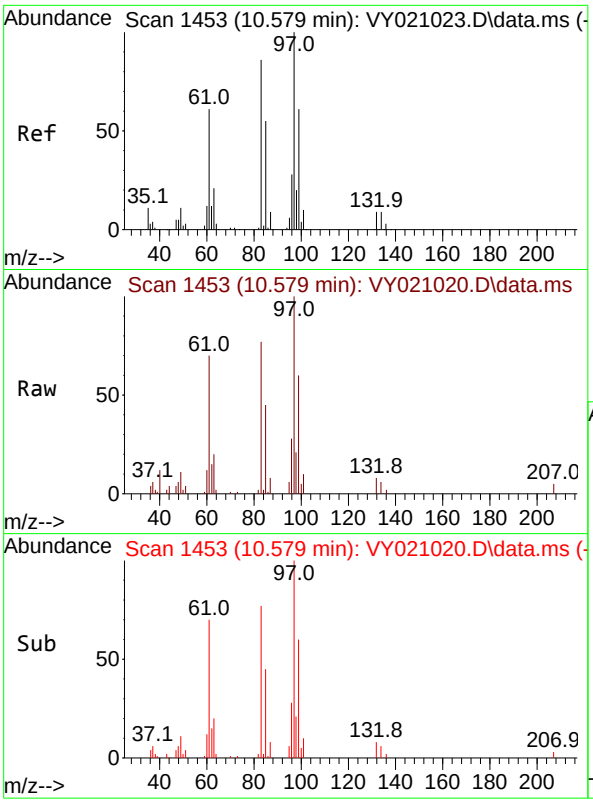


#54
cis-1,3-Dichloropropene
Concen: 5.650 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15488

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	50.9	32.2	48.2#

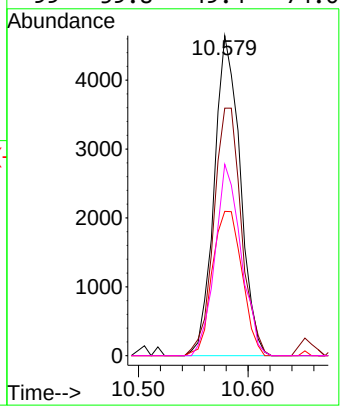




#55
1,1,2-Trichloroethane
Concen: 5.961 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 765

Ion	Ratio	Lower	Upper
97	100		
83	77.3	67.7	101.5
85	45.1	43.4	65.2
99	59.8	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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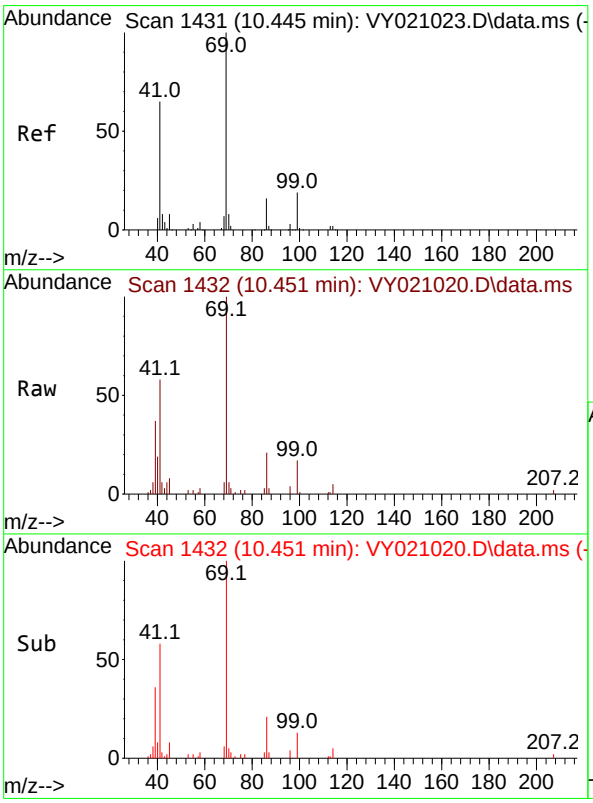
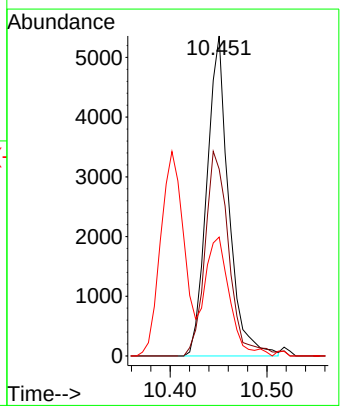
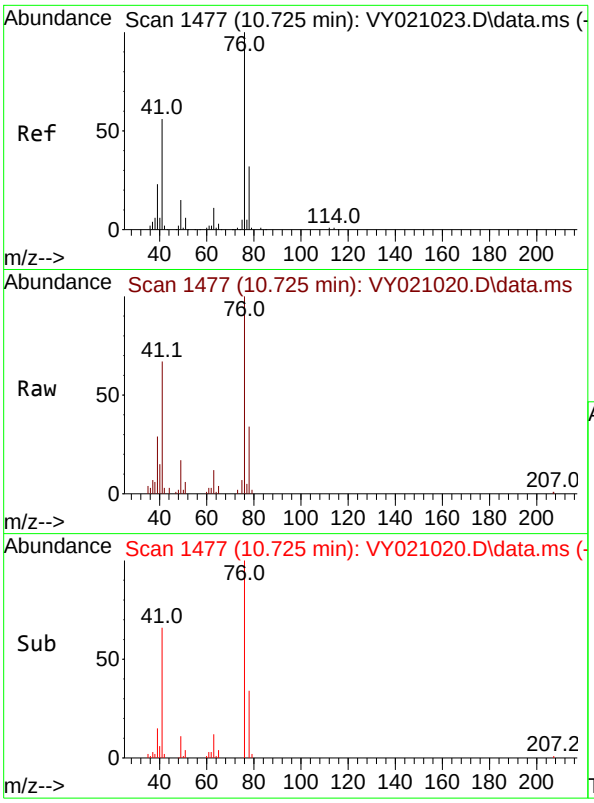


#56
Ethyl methacrylate
Concen: 5.018 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 69 Resp: 8418

Ion	Ratio	Lower	Upper
69	100		
41	70.1	46.3	69.5#
39	41.3	24.5	36.7#

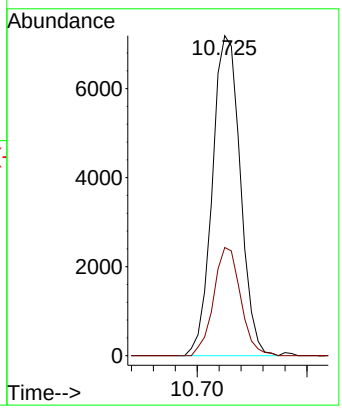




#57
1,3-Dichloropropane
Concen: 5.845 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 76 Resp: 1271

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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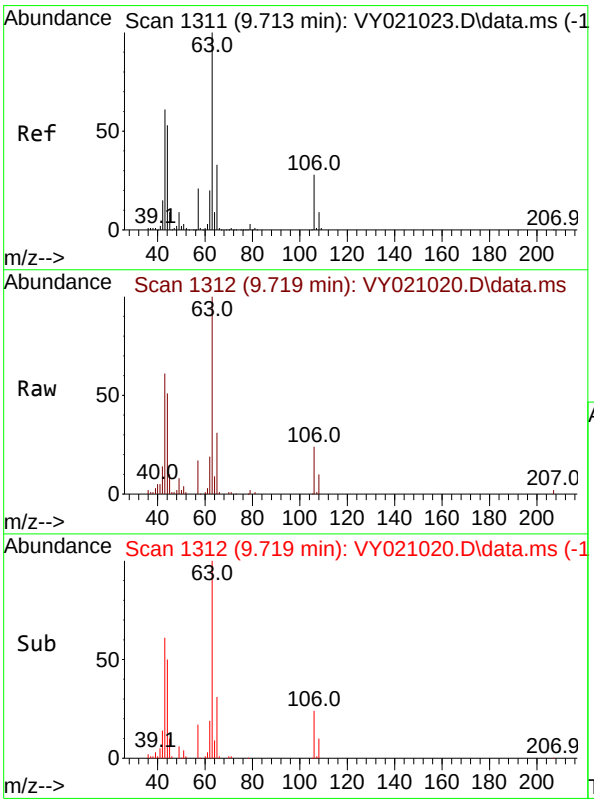
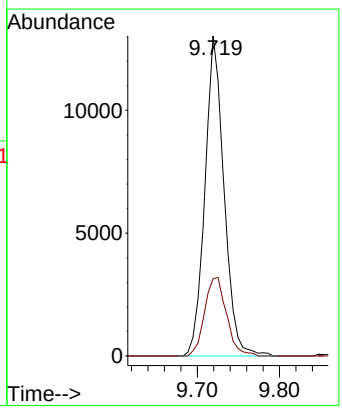
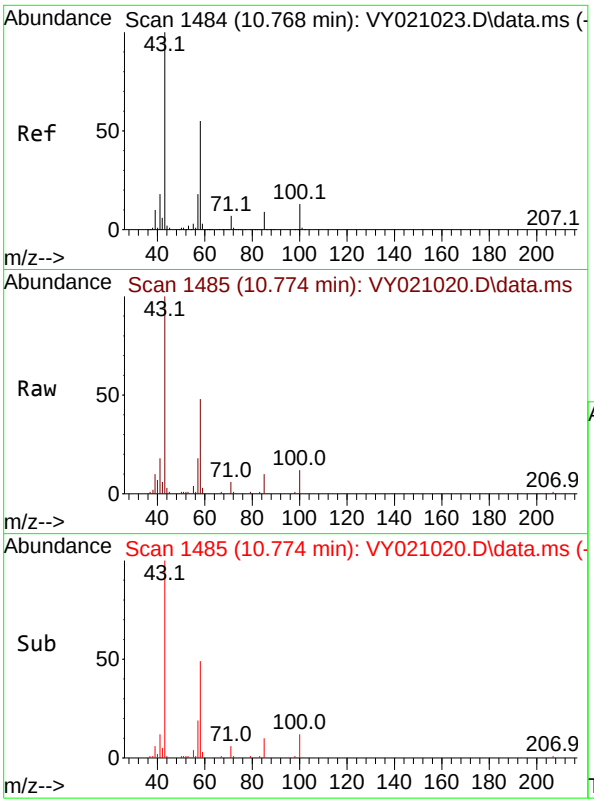


#58
2-Chloroethyl Vinyl ether
Concen: 29.542 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 21035

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1

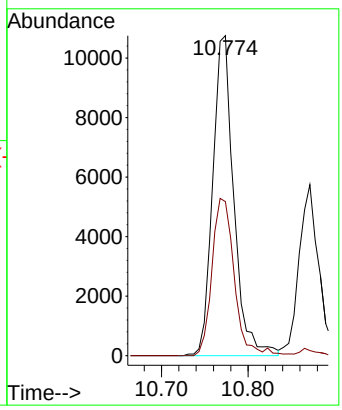




#59
2-Hexanone
Concen: 29.030 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 1815

Ion	Ratio	Lower	Upper
43	100		
58	51.9	29.8	89.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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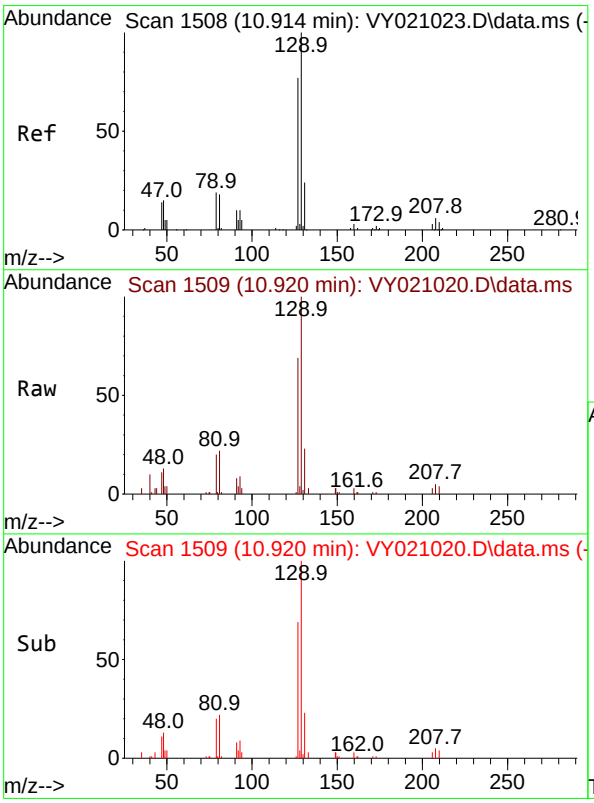
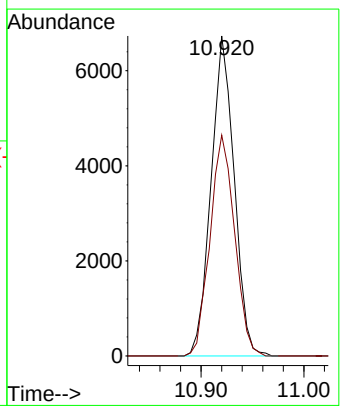
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

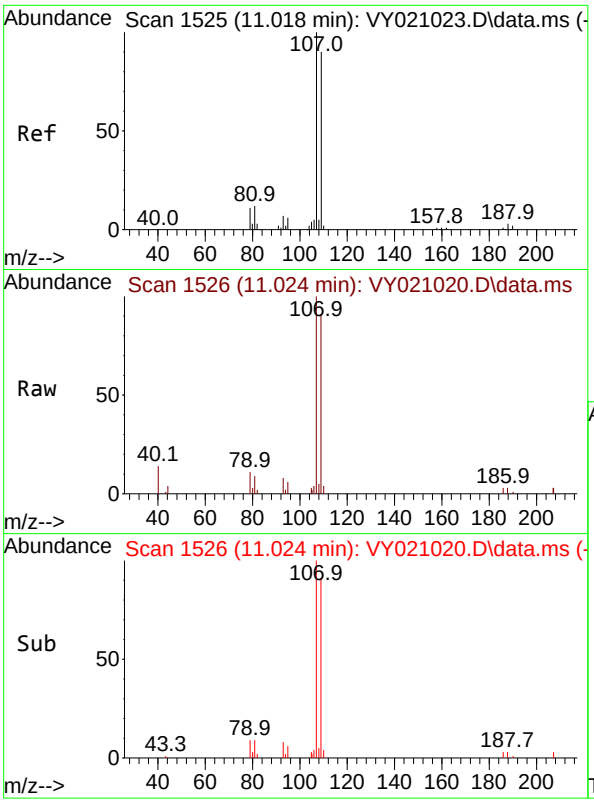


#60
Dibromochloromethane
Concen: 5.744 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:129 Resp: 10511

Ion	Ratio	Lower	Upper
129	100		
127	73.5	38.5	115.3

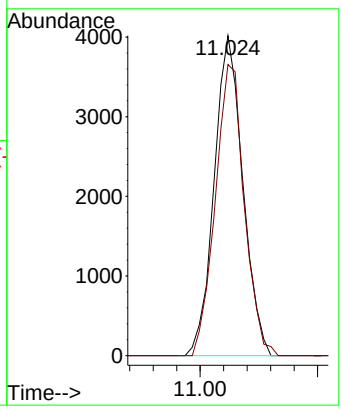




#61
1,2-Dibromoethane
Concen: 5.555 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:107 Resp: 681

Ion	Ratio	Lower	Upper
107	100		
109	91.9	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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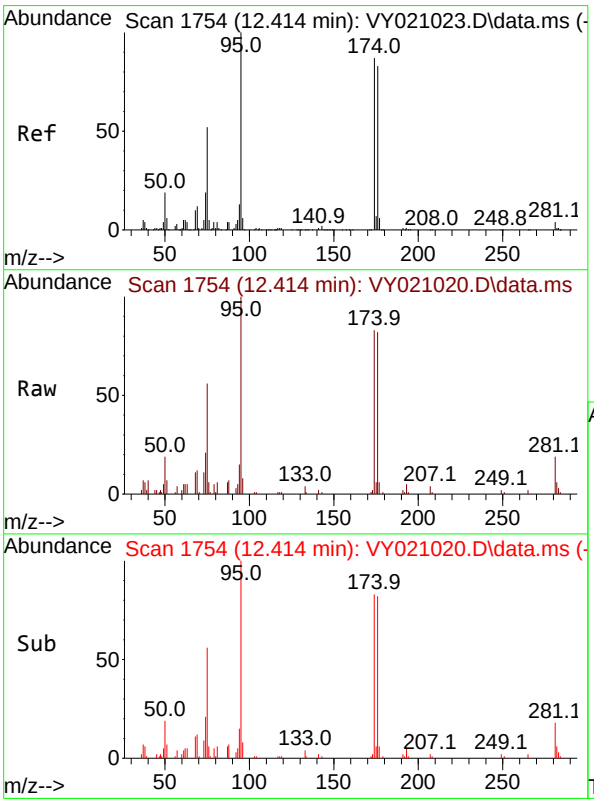
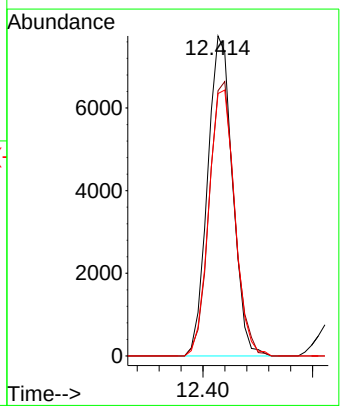
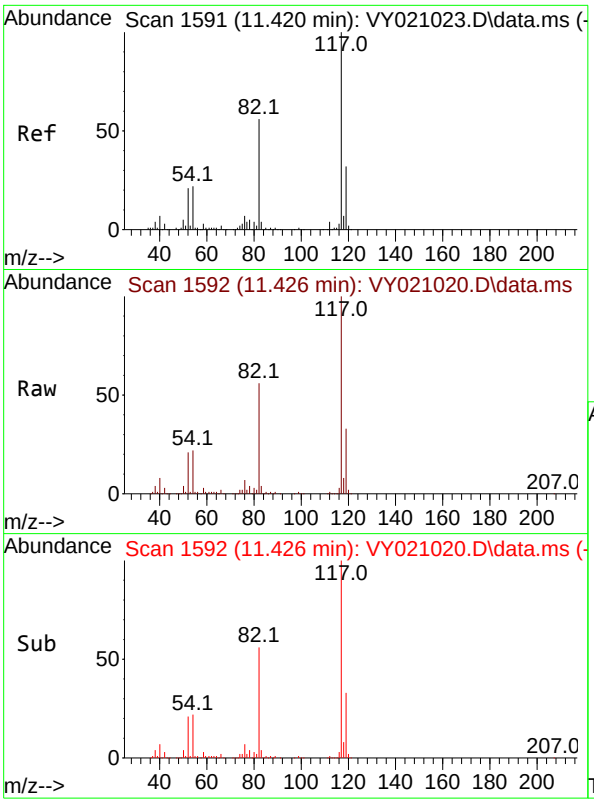


#62
4-Bromofluorobenzene
Concen: 5.301 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 95 Resp: 12237

Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	181.2
176	86.6	0.0	175.2

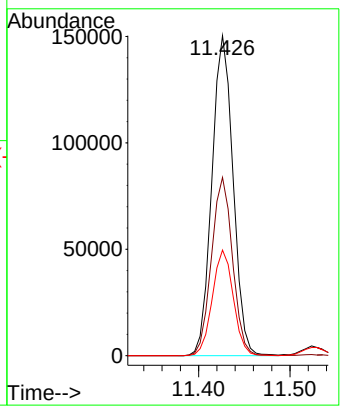




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 24225

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.2
119	33.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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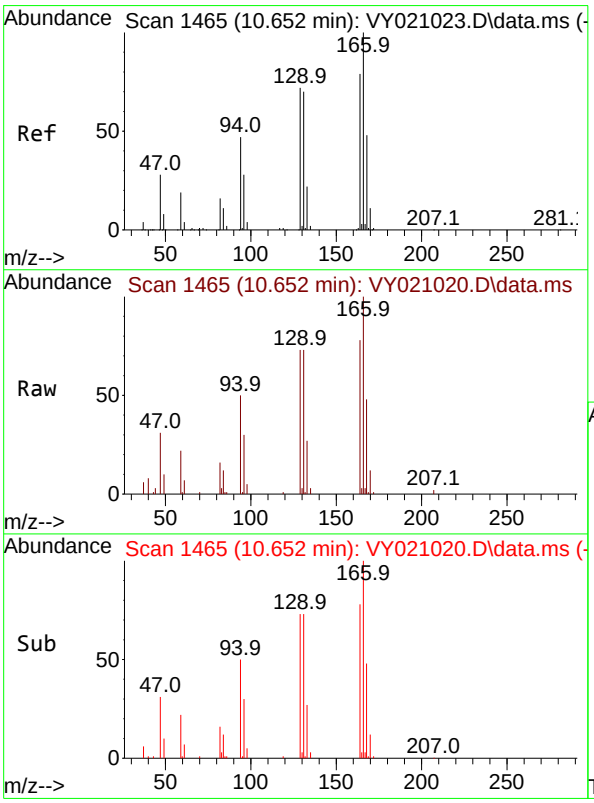
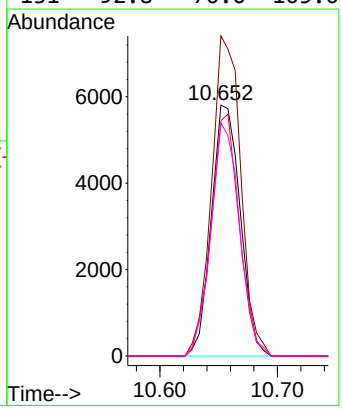
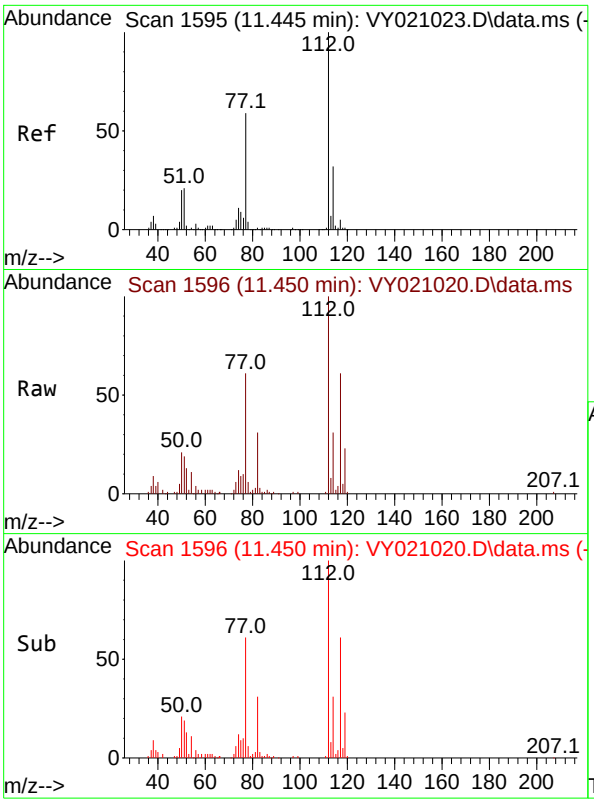


#64
Tetrachloroethene
Concen: 5.426 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:164 Resp: 9915

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.4	150.6
129	93.7	70.8	106.2
131	92.8	70.0	105.0

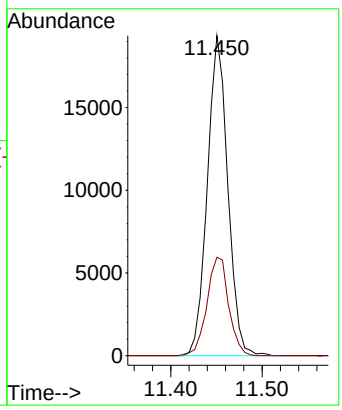




#65
Chlorobenzene
Concen: 5.872 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:112 Resp: 2997

Ion	Ratio	Lower	Upper
112	100		
114	30.8	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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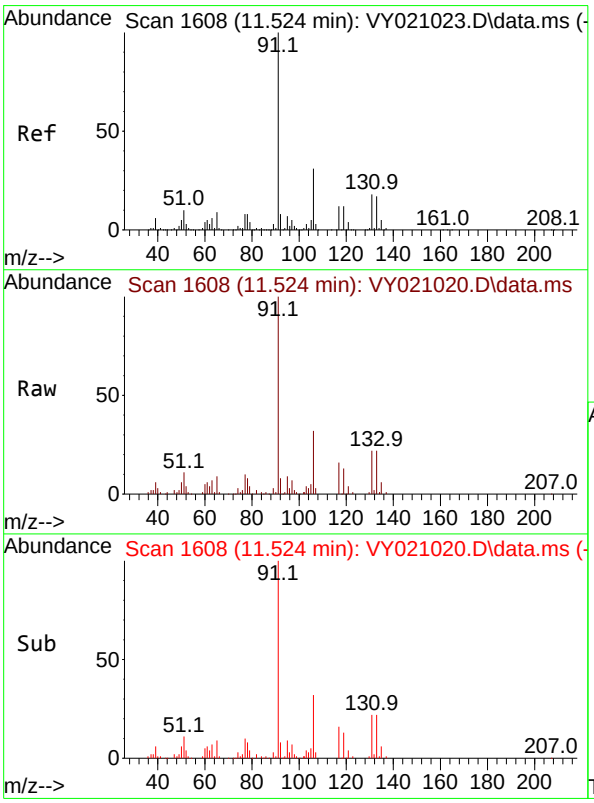
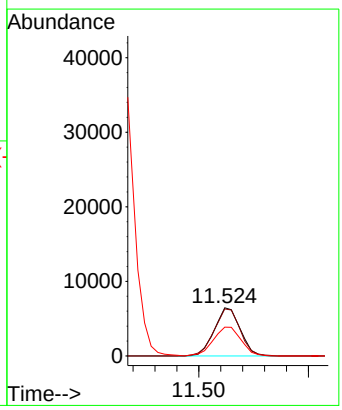
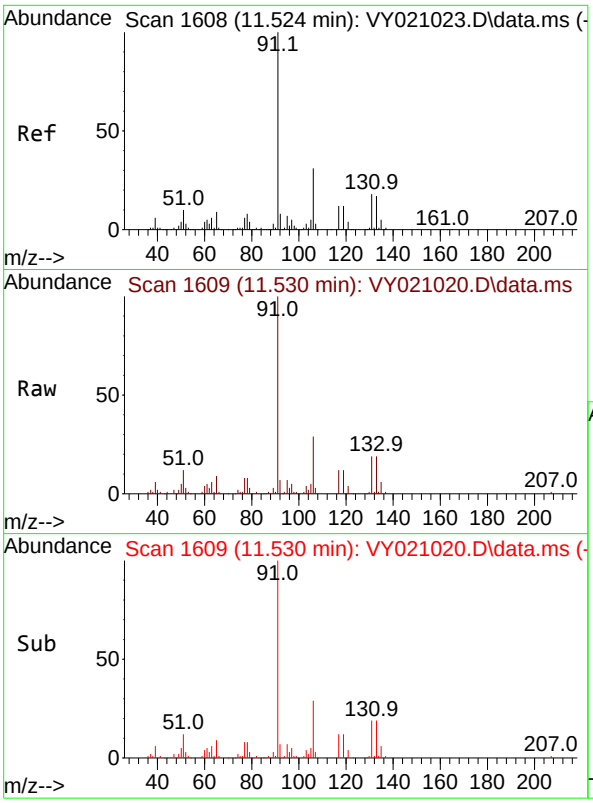


#66
1,1,1,2-Tetrachloroethane
Concen: 5.810 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:131 Resp: 10524

Ion	Ratio	Lower	Upper
131	100		
133	99.6	48.7	146.1
119	64.8	31.4	94.3





#67
Ethyl Benzene
Concen: 5.760 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 5090

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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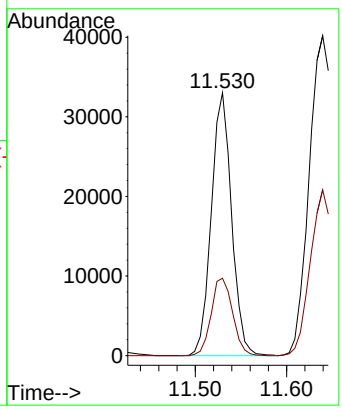
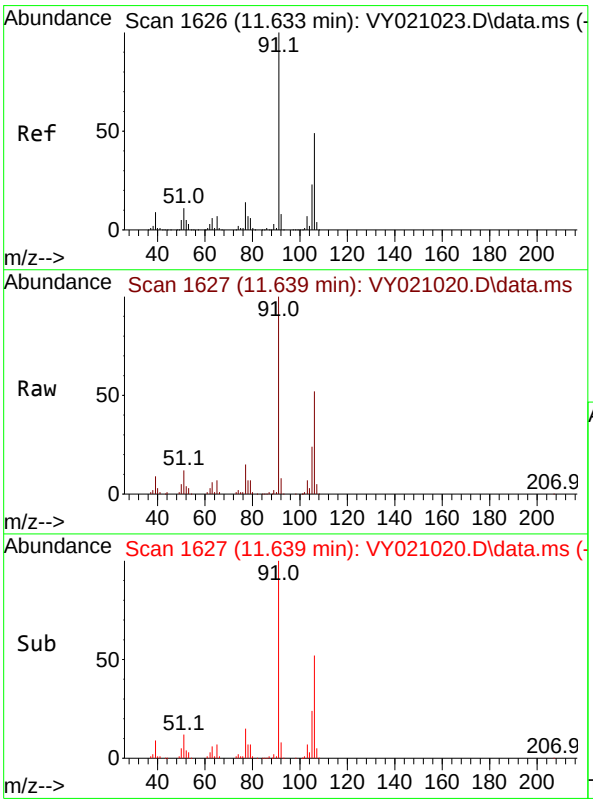
Supervised By :Semsettin Yesilyurt 02/04/2025

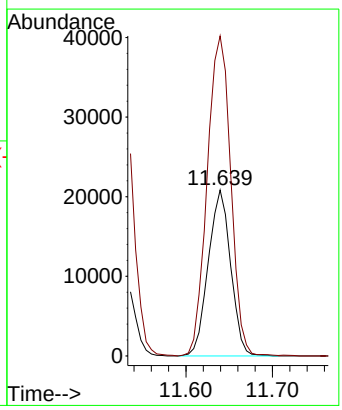


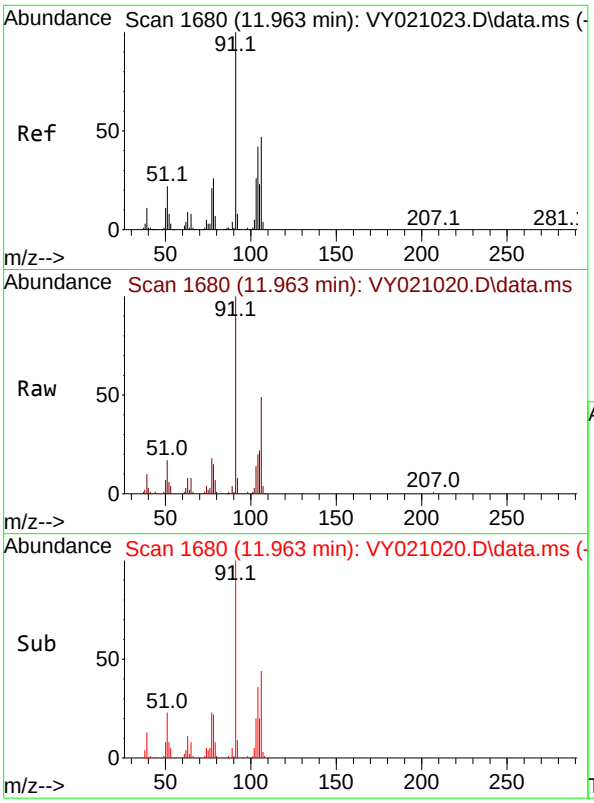


#68
m/p-Xylenes
Concen: 11.015 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:106 Resp: 37399

Ion	Ratio	Lower	Upper
106	100		
91	203.1	160.0	240.0





#69
o-Xylene
Concen: 5.550 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:106 Resp: 1751

Ion	Ratio	Lower	Upper
106	100		
91	212.9	105.8	317.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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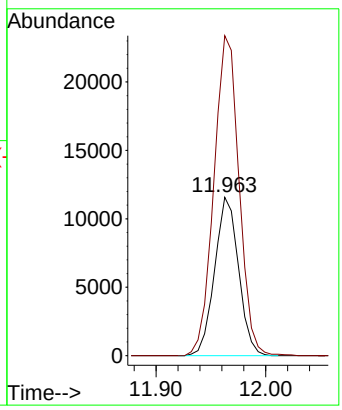
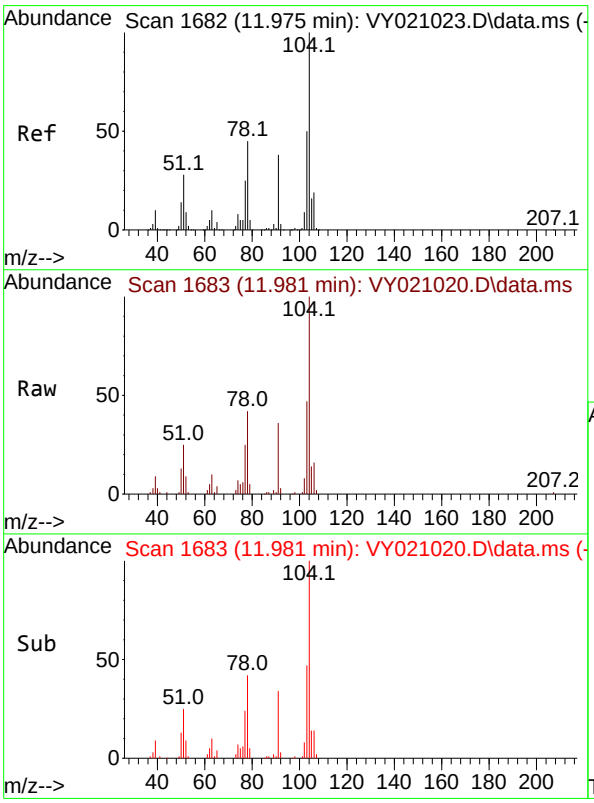
Supervised By :Semsettin Yesilyurt 02/04/2025

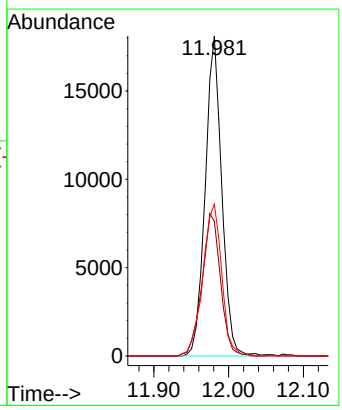


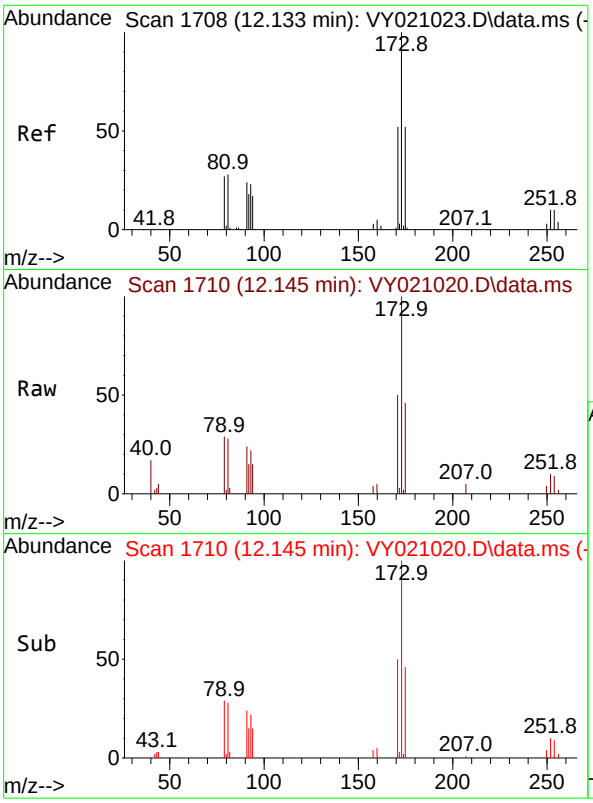


#70
Styrene
Concen: 5.333 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:104 Resp: 27946

Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.0	58.4
103	54.1	43.7	65.5

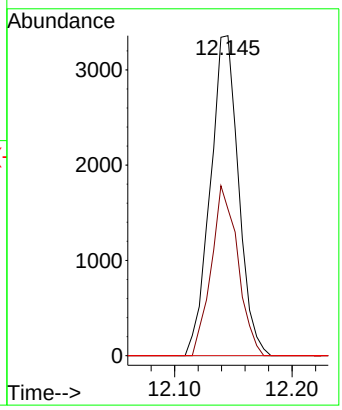




#71
Bromoform
Concen: 5.252 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:173 Resp: 560

Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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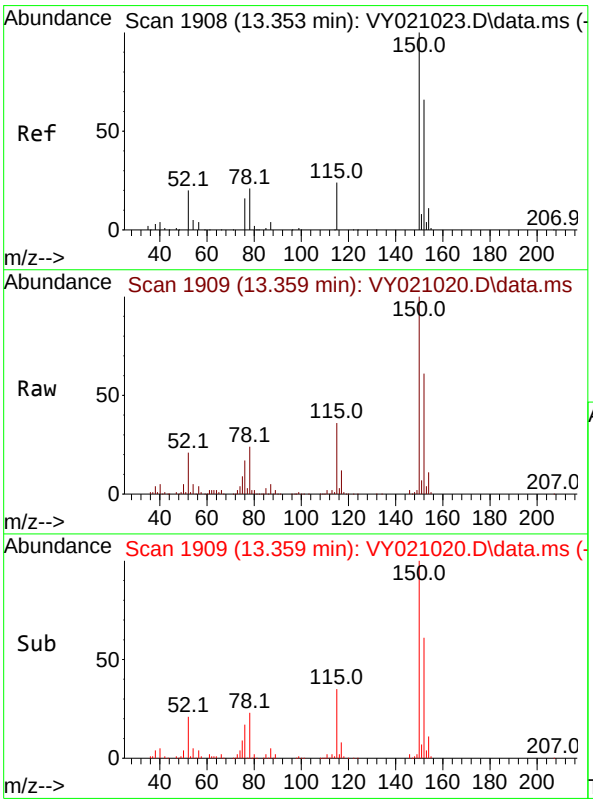
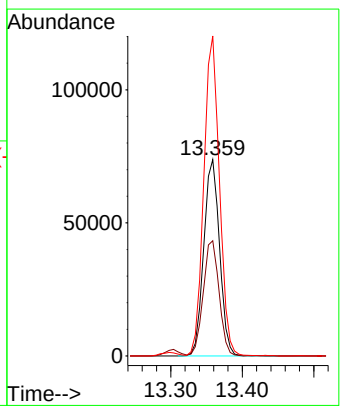
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

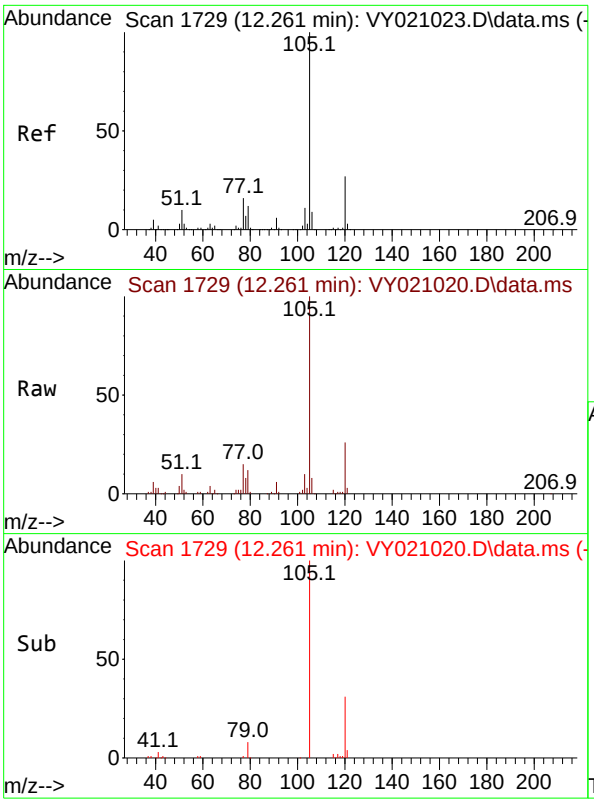


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:152 Resp: 113107

Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.4	85.2
150	160.9	0.0	342.8

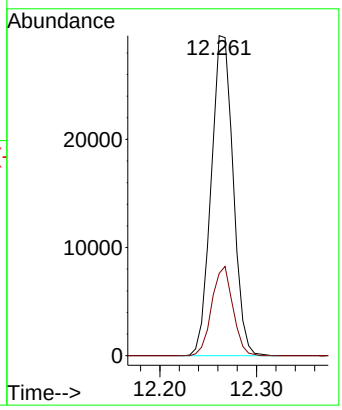




#73
Isopropylbenzene
Concen: 5.869 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 4662

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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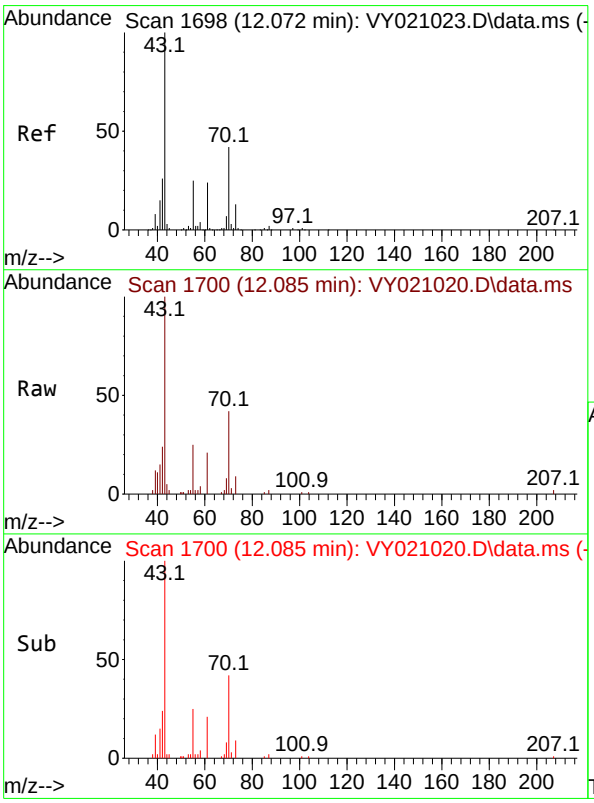
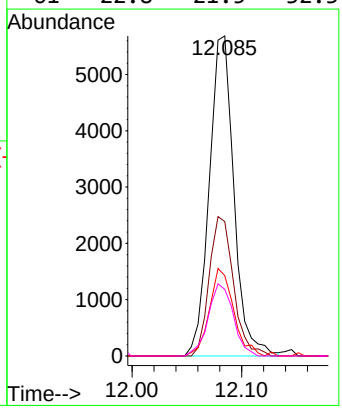
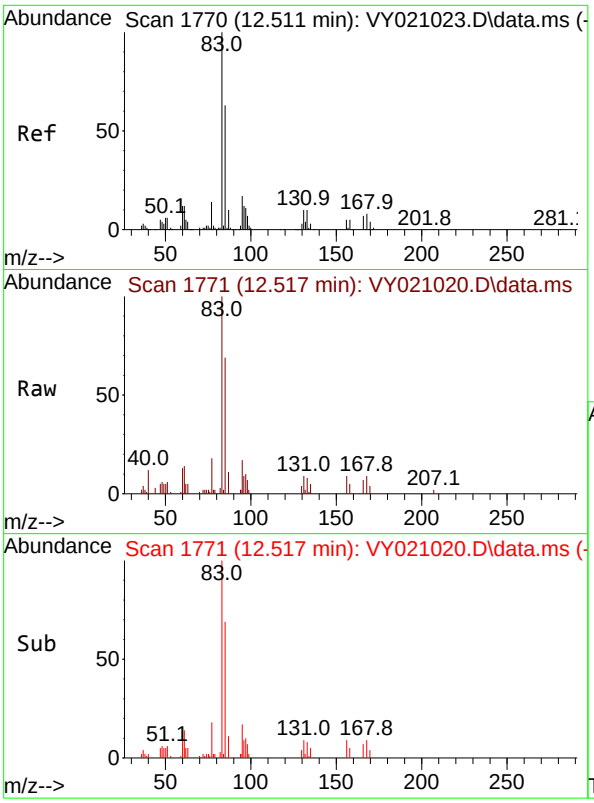


#74
N-amyl acetate
Concen: 6.144 ug/l
RT: 12.085 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8887

Ion	Ratio	Lower	Upper
43	100		
70	42.9	39.3	58.9
55	26.8	22.3	33.5
61	22.8	21.5	32.3

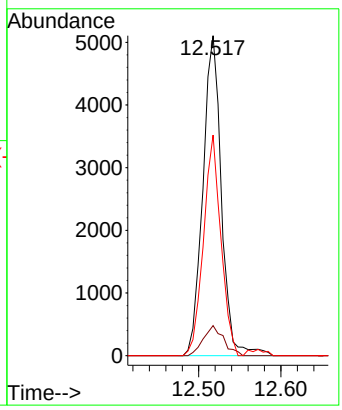




#75
1,1,2,2-Tetrachloroethane
Concen: 6.240 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 800

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.7	17.1
85	64.6	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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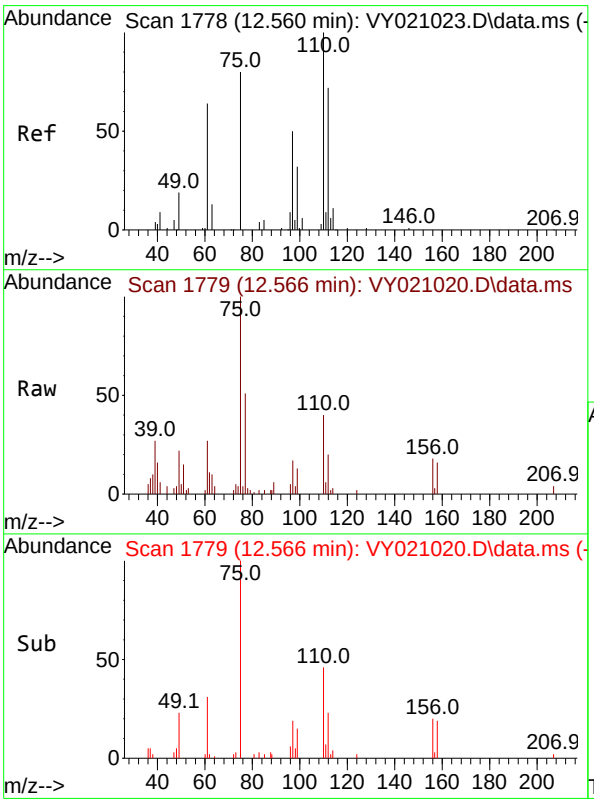
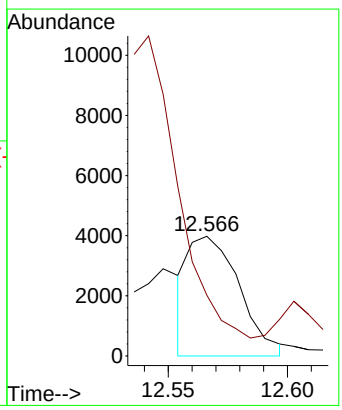
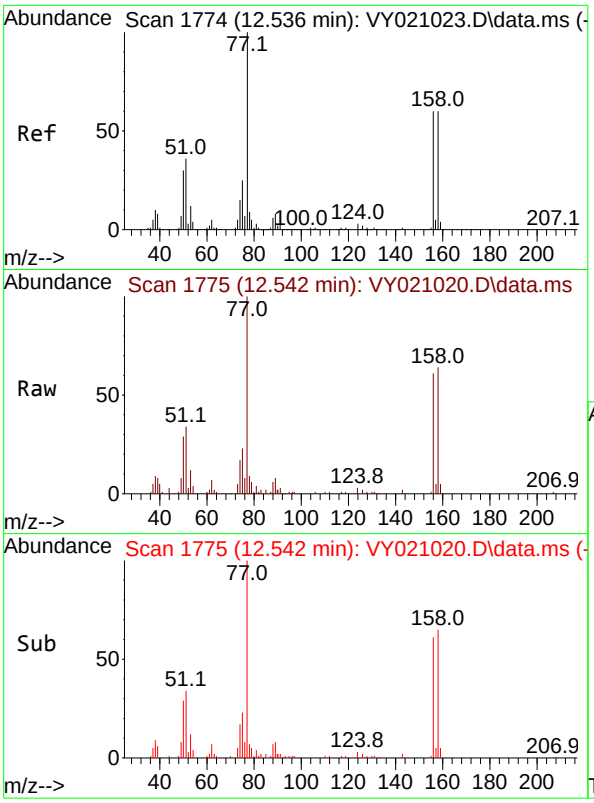


#76
1,2,3-Trichloropropane
Concen: 6.656 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 5960

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

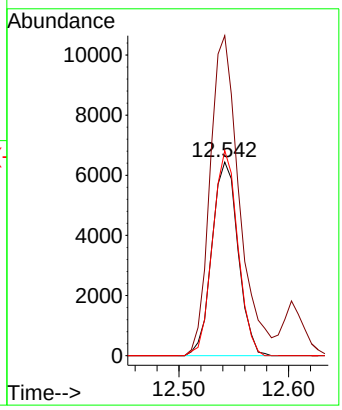




#77
Bromobenzene
Concen: 5.680 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:156 Resp: 1069

Ion	Ratio	Lower	Upper
156	100		
77	183.8	83.3	249.9
158	101.9	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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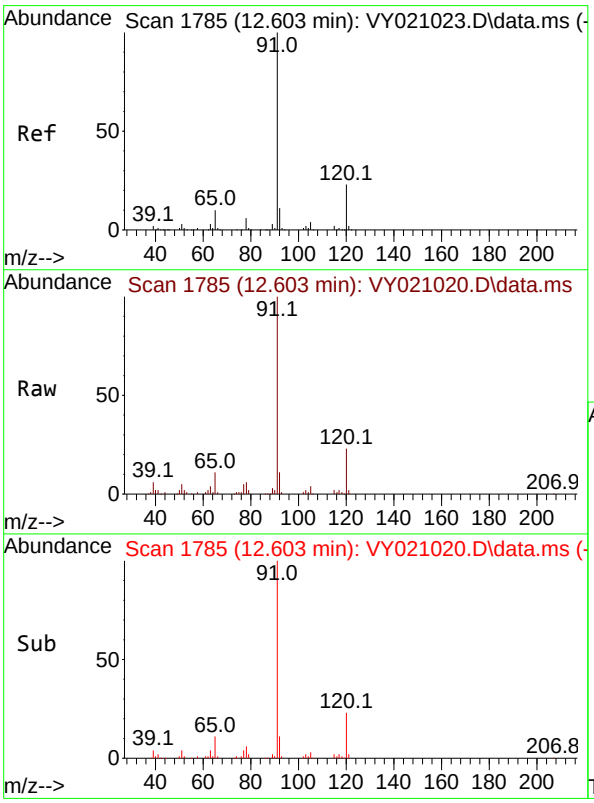
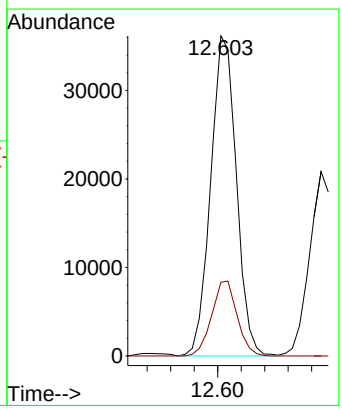
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

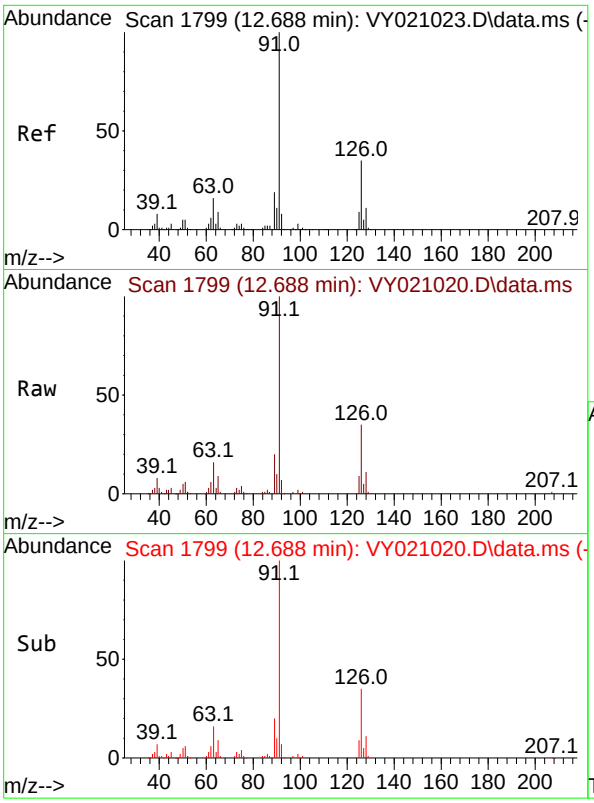


#78
n-propylbenzene
Concen: 5.907 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 54990

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4

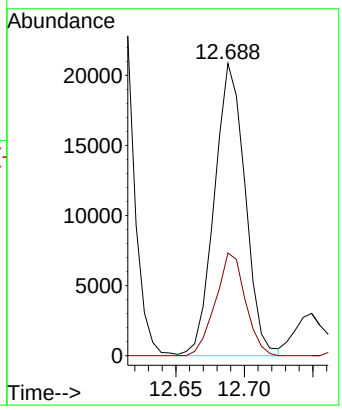




#79
2-Chlorotoluene
Concen: 6.123 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 3247

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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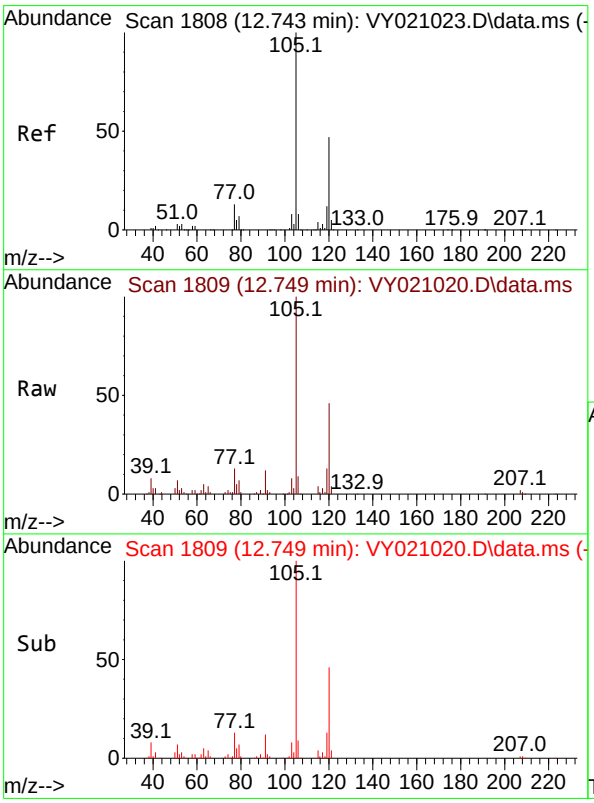
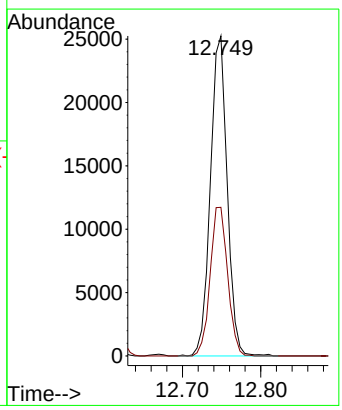
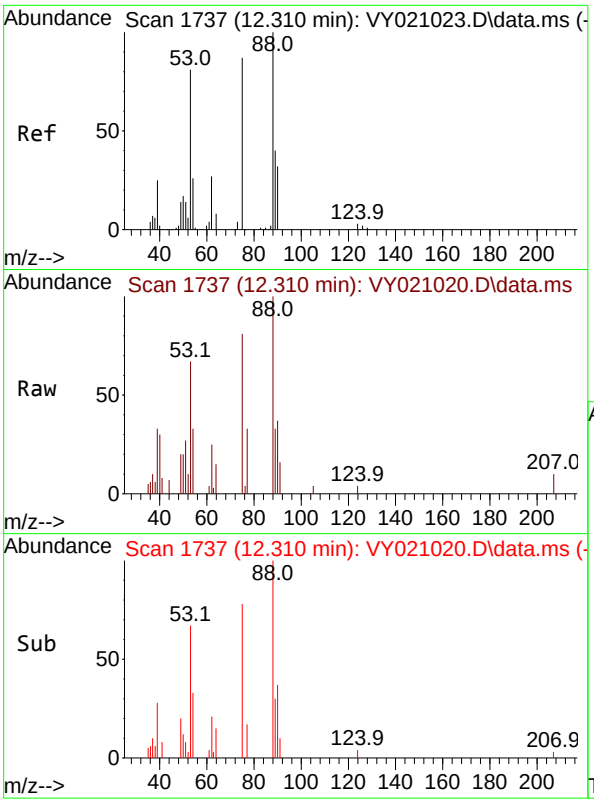


#80
1,3,5-Trimethylbenzene
Concen: 5.772 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 37564

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 5.671 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 244

Ion	Ratio	Lower	Upper
75	100		
53	91.8	68.6	103.0
89	40.1	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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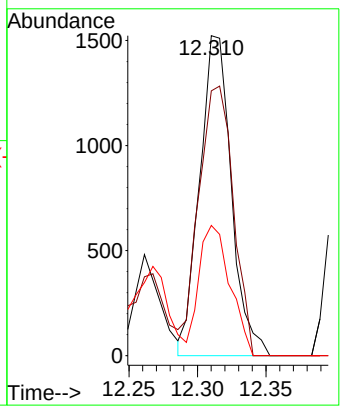
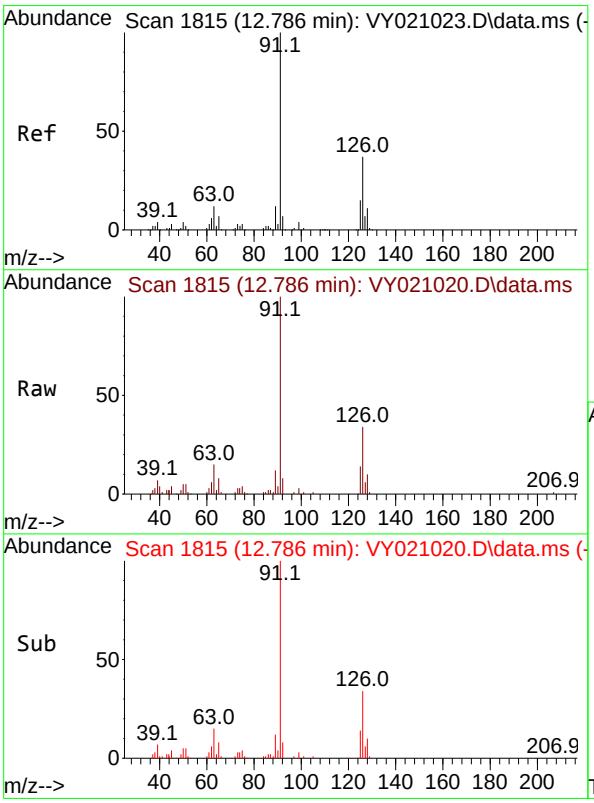
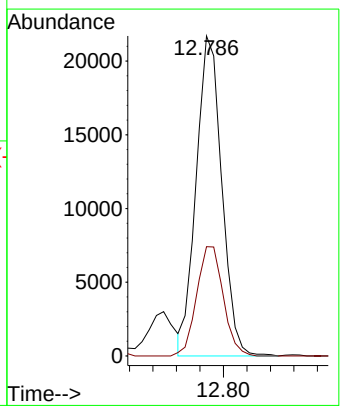


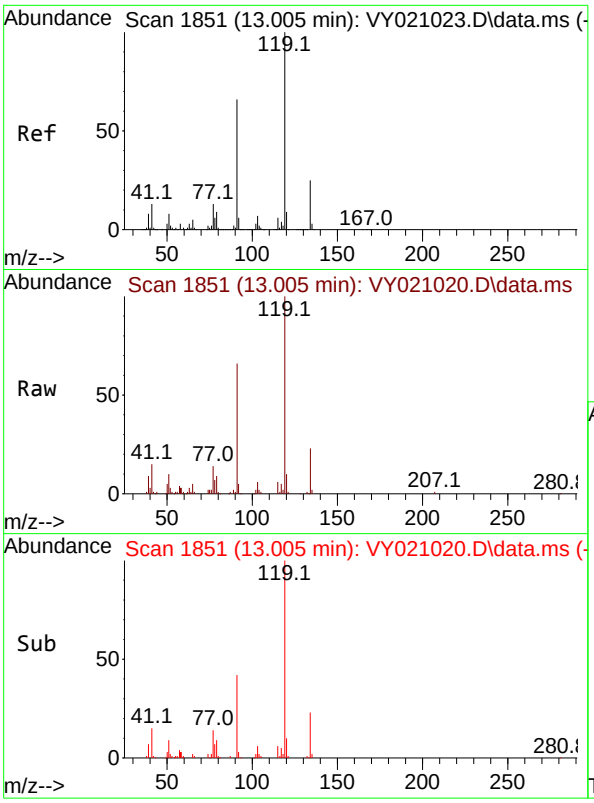


#82
4-Chlorotoluene
Concen: 6.046 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 32824

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0

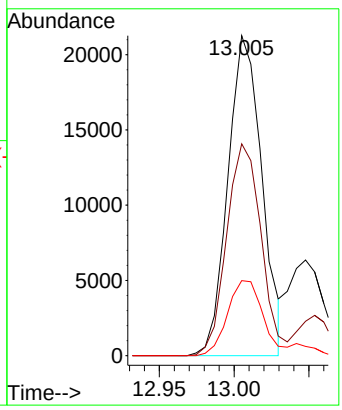




#83
tert-Butylbenzene
Concen: 5.562 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 3357

Ion	Ratio	Lower	Upper
119	100		
91	67.4	31.4	94.0
134	24.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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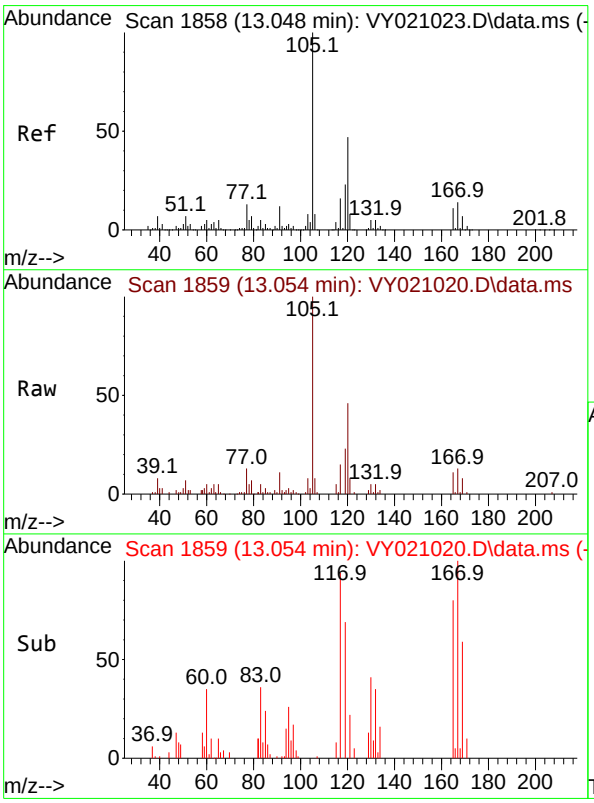
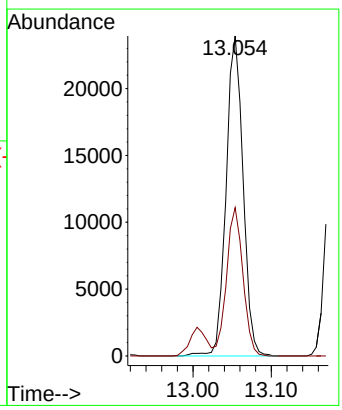
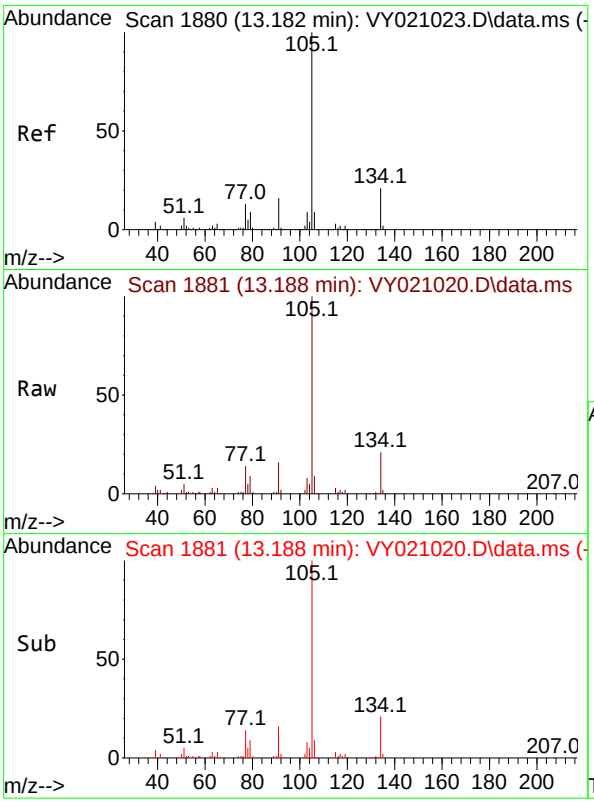


#84
1,2,4-Trimethylbenzene
Concen: 5.665 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 36016

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.0





#85
sec-Butylbenzene
Concen: 5.831 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 4982

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.3	30.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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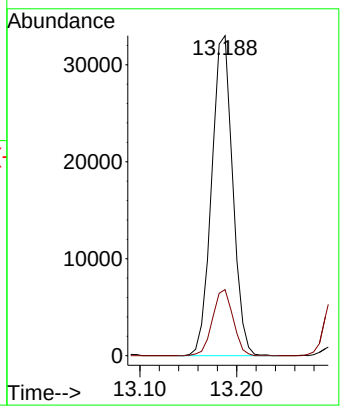
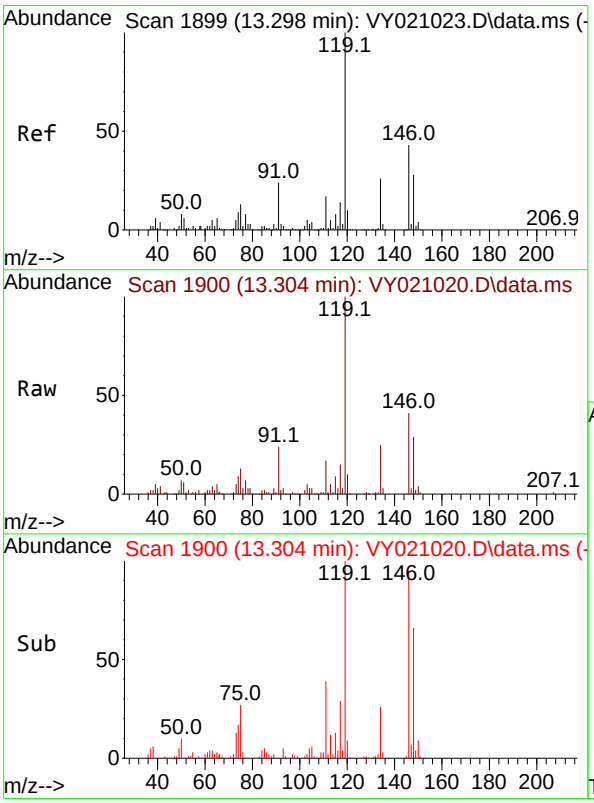
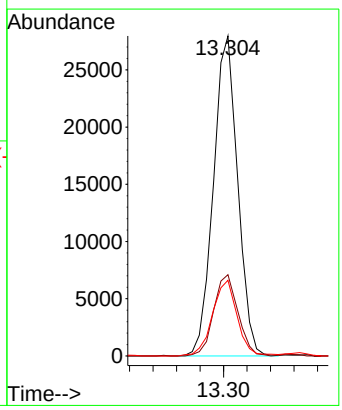


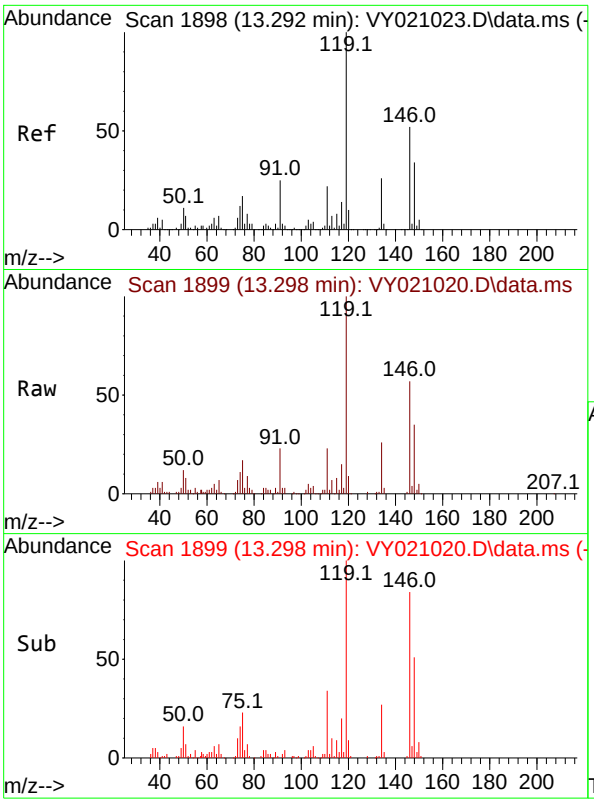


#86
p-Isopropyltoluene
Concen: 5.597 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 40197

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.1	39.3
91	24.1	11.5	34.5

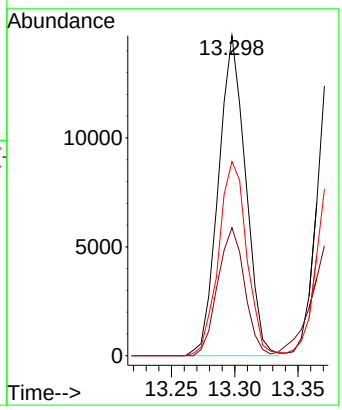




#87
1,3-Dichlorobenzene
Concen: 5.966 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 2191

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	63.3	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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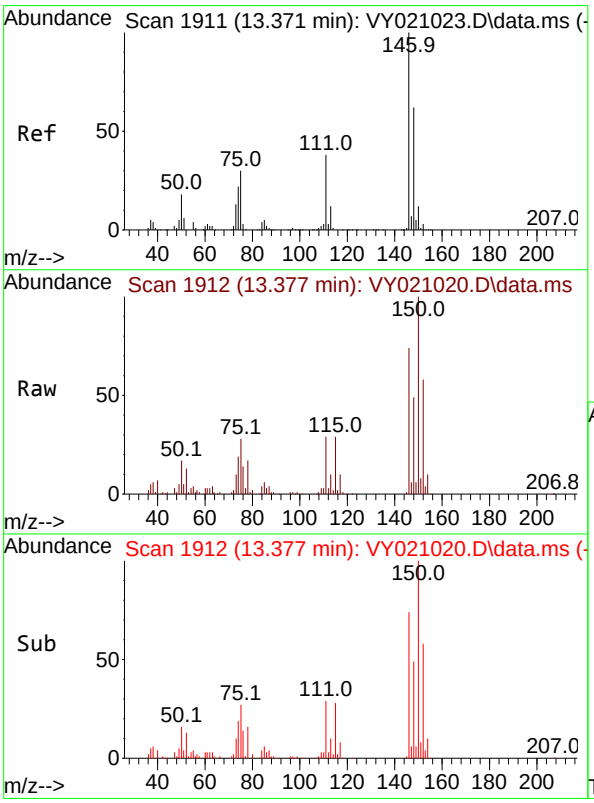
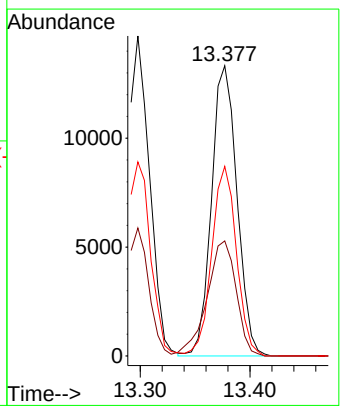
Supervised By :Semsettin Yesilyurt 02/04/2025

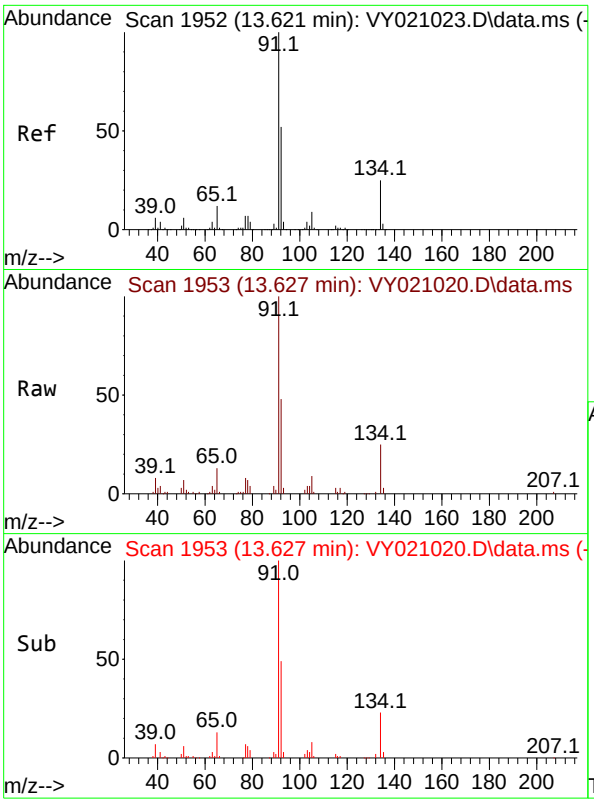


#88
1,4-Dichlorobenzene
Concen: 5.910 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 21553

Ion	Ratio	Lower	Upper
146	100		
111	45.5	19.0	57.0
148	63.4	31.6	95.0

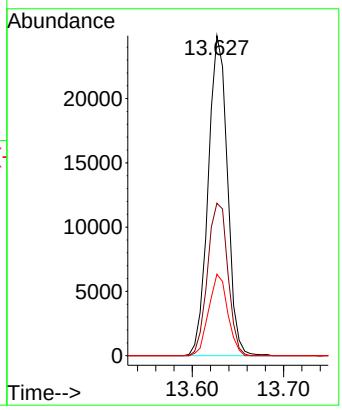




#89
n-Butylbenzene
Concen: 5.630 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 3621

Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.7	80.1
134	25.2	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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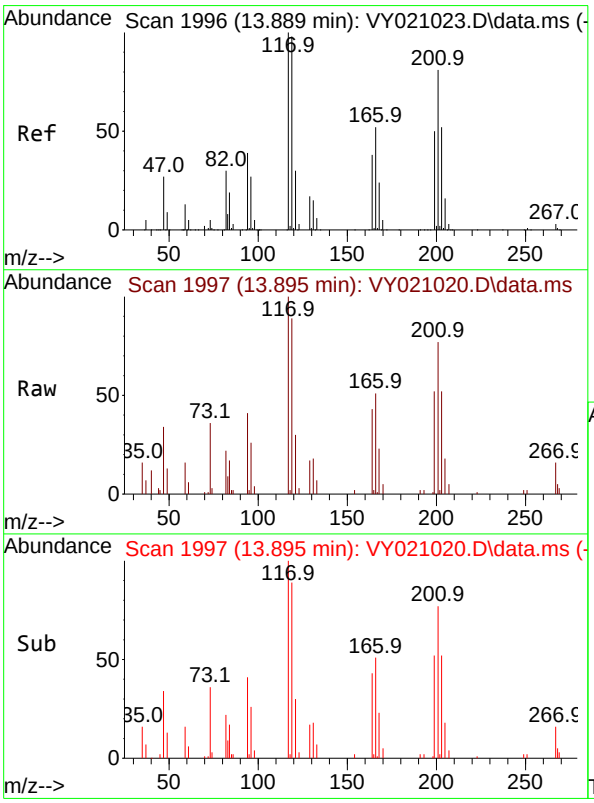
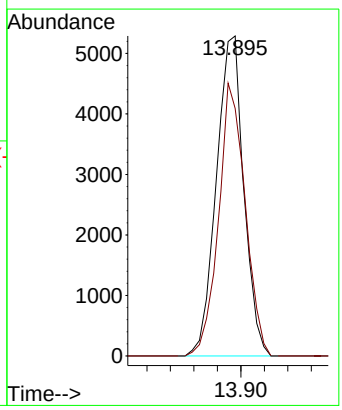
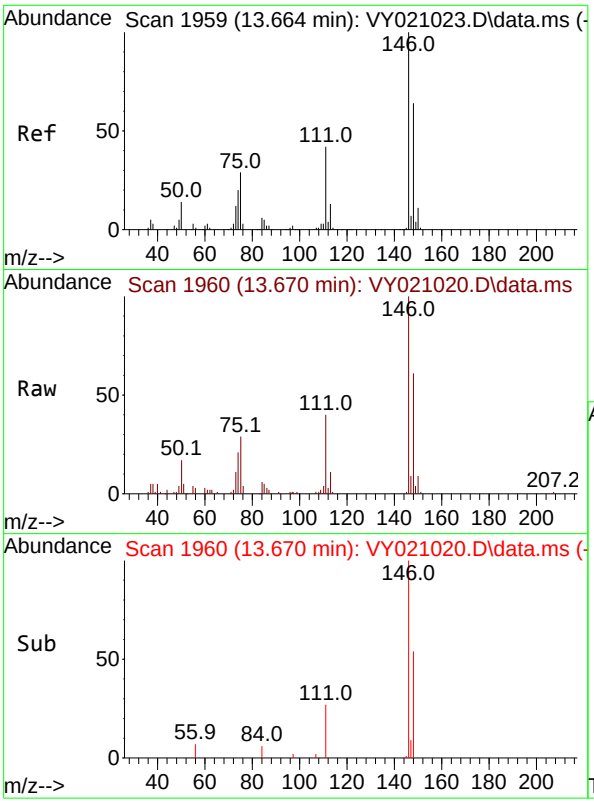


#90
Hexachloroethane
Concen: 5.891 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 8559

Ion	Ratio	Lower	Upper
117	100		
201	82.8	42.5	127.5

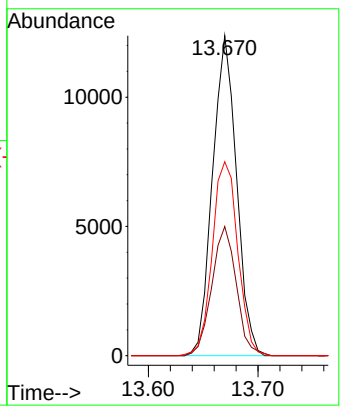




#91
1,2-Dichlorobenzene
Concen: 5.892 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 1886

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	64.4	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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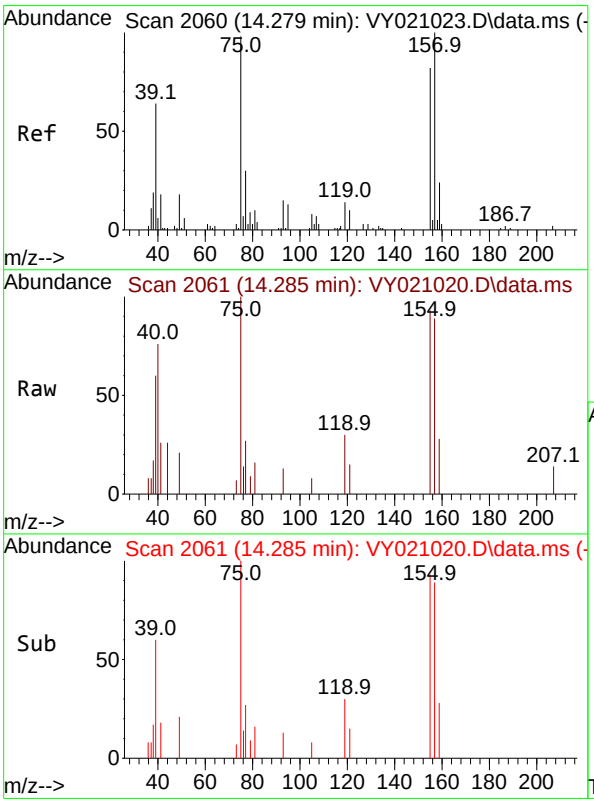
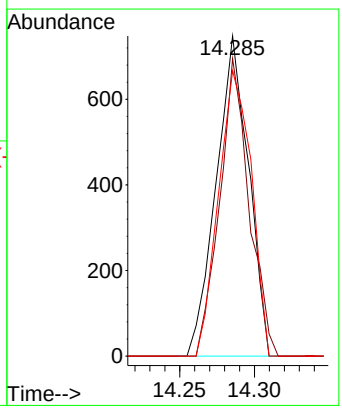
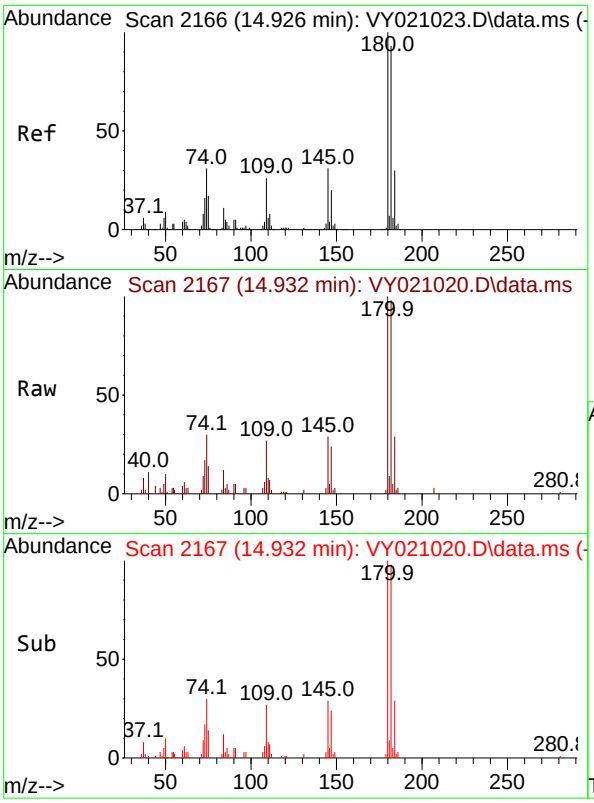


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.699 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1125

Ion	Ratio	Lower	Upper
75	100		
155	84.4	45.9	137.6
157	90.1	59.3	177.9

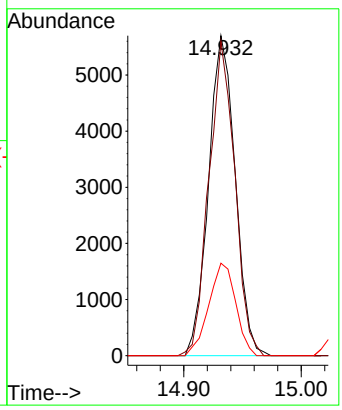




#93
1,2,4-Trichlorobenzene
Concen: 4.590 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 900

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.8
145	29.2	15.3	45.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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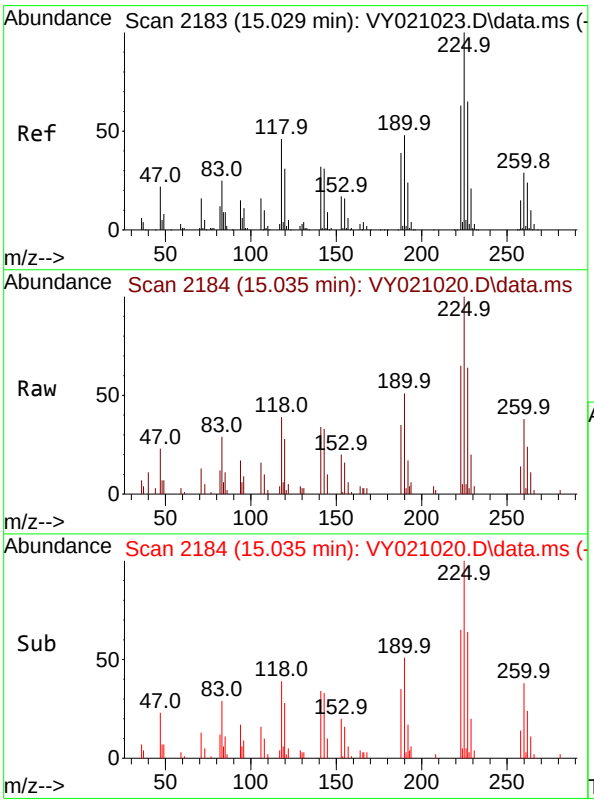
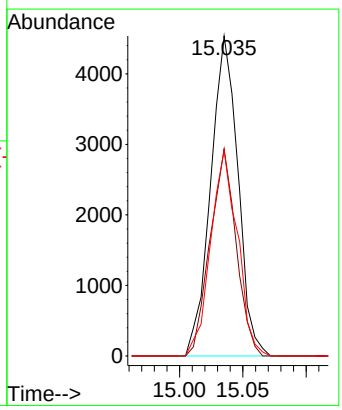
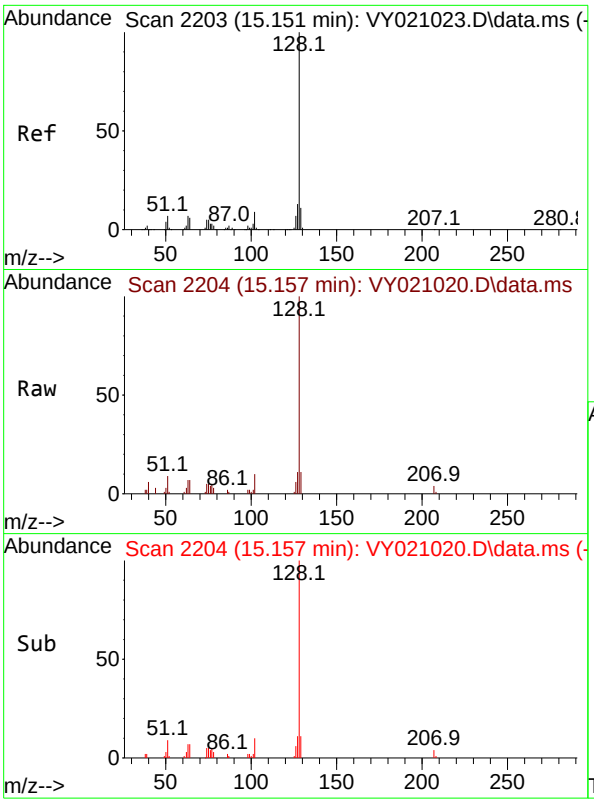


#94
Hexachlorobutadiene
Concen: 5.001 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:225 Resp: 6792

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.4	94.2
227	63.1	31.8	95.3

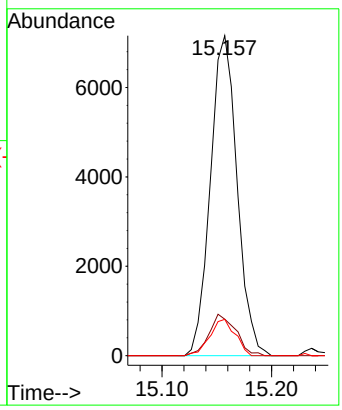




#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:128 Resp: 1212

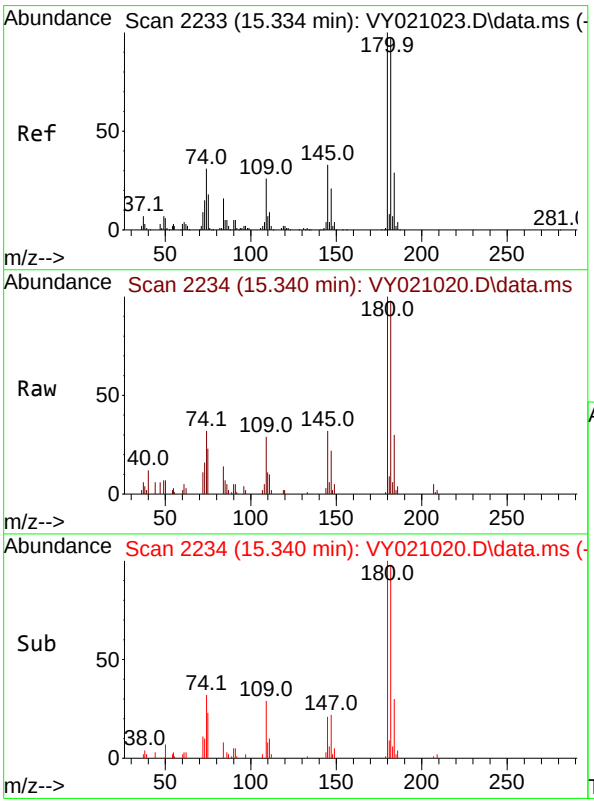
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

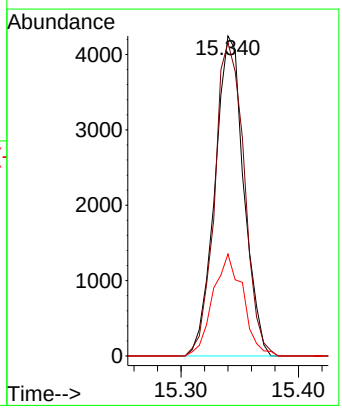
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.375 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 7255

Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.7	143.1
145	33.2	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	182294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	239030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	115682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	20294	13.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	26.160%#		
35) Dibromofluoromethane	7.646	113	18627	10.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.720%#		
50) Toluene-d8	10.109	98	70569	10.540	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.080%#		
62) 4-Bromofluorobenzene	12.414	95	23279	10.362	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	20.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	15959	10.296	ug/l	99
3) Chloromethane	2.074	50	16219	16.458	ug/l	98
4) Vinyl Chloride	2.208	62	16094	15.839	ug/l	93
5) Bromomethane	2.604	94	10042	14.599	ug/l	99
6) Chloroethane	2.745	64	9830	16.561	ug/l	95
7) Trichlorofluoromethane	3.068	101	29663	12.097	ug/l	90
8) Diethyl Ether	3.458	74	9330	12.745	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.824	101	18483	11.194	ug/l	96
10) Methyl Iodide	4.019	142	19381	10.258	ug/l	98
11) Tert butyl alcohol	4.860	59	7158m	63.135	ug/l	
12) 1,1-Dichloroethene	3.799	96	17176	11.131	ug/l	90
13) Acrolein	3.665	56	10409	79.726	ug/l	96
14) Allyl chloride	4.391	41	28376	13.358	ug/l	93
15) Acrylonitrile	5.074	53	19104	63.446	ug/l	97
16) Acetone	3.879	43	15112	71.438	ug/l #	86
17) Carbon Disulfide	4.116	76	53088	11.171	ug/l	100
18) Methyl Acetate	4.397	43	10297	13.911	ug/l	94
19) Methyl tert-butyl Ether	5.128	73	43216	12.033	ug/l	96
20) Methylene Chloride	4.622	84	18455	11.829	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	18903	11.426	ug/l	100
22) Diisopropyl ether	6.031	45	59888	13.831	ug/l #	89
23) Vinyl Acetate	5.970	43	166437	69.409	ug/l	94
24) 1,1-Dichloroethane	5.927	63	34569	12.375	ug/l	99
25) 2-Butanone	6.902	43	24268	67.624	ug/l	93
26) 2,2-Dichloropropane	6.896	77	32771	11.915	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	21309	11.206	ug/l	91
28) Bromochloromethane	7.256	49	13417	12.892	ug/l	86
29) Tetrahydrofuran	7.274	42	16758	69.395	ug/l	92
30) Chloroform	7.427	83	37054	12.247	ug/l	100
31) Cyclohexane	7.707	56	32272	11.819	ug/l #	88
32) 1,1,1-Trichloroethane	7.628	97	32862	11.223	ug/l	95
36) 1,1-Dichloropropene	7.847	75	26479	10.820	ug/l	96
37) Ethyl Acetate	6.994	43	11876	13.017	ug/l	97
38) Carbon Tetrachloride	7.823	117	31462	10.389	ug/l	96
39) Methylcyclohexane	9.115	83	31392	9.549	ug/l	90
40) Benzene	8.085	78	78846	10.950	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	7195m	14.253	ug/l		
42) 1,2-Dichloroethane	8.164	62	22281	12.201	ug/l		99
43) Isopropyl Acetate	8.207	43	23795	13.055	ug/l	#	84
44) Trichloroethene	8.872	130	20261	10.197	ug/l		100
45) 1,2-Dichloropropane	9.146	63	18765	11.627	ug/l		96
46) Dibromomethane	9.237	93	10511	11.191	ug/l		94
47) Bromodichloromethane	9.432	83	28538	11.570	ug/l		96
48) Methyl methacrylate	9.225	41	10297	11.866	ug/l		93
49) 1,4-Dioxane	9.231	88	1885	188.876	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.006	43	60088	64.159	ug/l		94
52) Toluene	10.176	92	48876	10.457	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	24301	10.888	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	29426	11.031	ug/l		93
55) 1,1,2-Trichloroethane	10.579	97	13425	10.748	ug/l		96
56) Ethyl methacrylate	10.445	69	16883	10.341	ug/l	#	86
57) 1,3-Dichloropropane	10.725	76	23377	11.042	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	41611	60.048	ug/l		95
59) 2-Hexanone	10.768	43	37306	61.283	ug/l		90
60) Dibromochloromethane	10.914	129	18851	10.585	ug/l		100
61) 1,2-Dibromoethane	11.018	107	12746	10.684	ug/l		100
64) Tetrachloroethene	10.652	164	17544	9.730	ug/l		98
65) Chlorobenzene	11.450	112	53298	10.583	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	19150	10.714	ug/l		99
67) Ethyl Benzene	11.524	91	90783	10.411	ug/l		99
68) m/p-Xylenes	11.633	106	69094	20.624	ug/l		98
69) o-Xylene	11.963	106	31473	10.106	ug/l		96
70) Styrene	11.975	104	53436	10.334	ug/l		98
71) Bromoform	12.139	173	10627	10.088	ug/l	#	97
73) Isopropylbenzene	12.261	105	85491	10.522	ug/l		98
74) N-amyl acetate	12.078	43	18529	12.524	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.511	83	14942	11.393	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	9090m	9.926	ug/l		
77) Bromobenzene	12.536	156	20634	10.712	ug/l		94
78) n-propylbenzene	12.603	91	102250	10.738	ug/l		97
79) 2-Chlorotoluene	12.688	91	59630	10.991	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	70161	10.541	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	5224	11.842	ug/l		92
82) 4-Chlorotoluene	12.786	91	62279	11.217	ug/l		96
83) tert-Butylbenzene	13.005	119	63506	10.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	67906	10.444	ug/l		100
85) sec-Butylbenzene	13.182	105	92610	10.596	ug/l		98
86) p-Isopropyltoluene	13.298	119	74892	10.196	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	39016	10.388	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	39379	10.559	ug/l		95
89) n-Butylbenzene	13.627	91	67632	10.280	ug/l		97
90) Hexachloroethane	13.889	117	16030	10.788	ug/l		95
91) 1,2-Dichlorobenzene	13.670	146	35252	10.763	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2296	11.372	ug/l		87
93) 1,2,4-Trichlorobenzene	14.932	180	17451	8.702	ug/l		98
94) Hexachlorobutadiene	15.029	225	11988	8.631	ug/l		99
95) Naphthalene	15.151	128	27103	8.409	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	14804	8.729	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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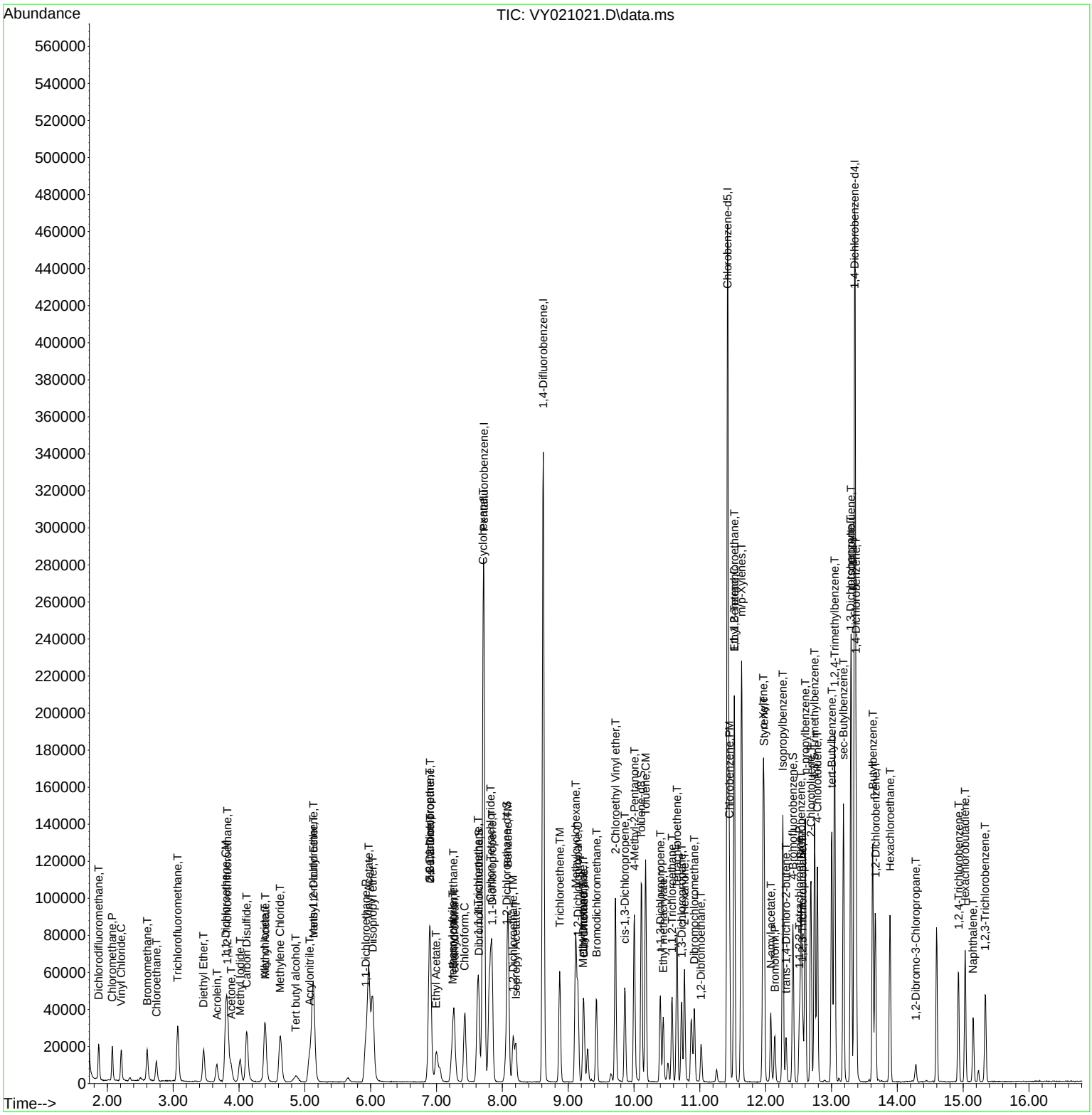
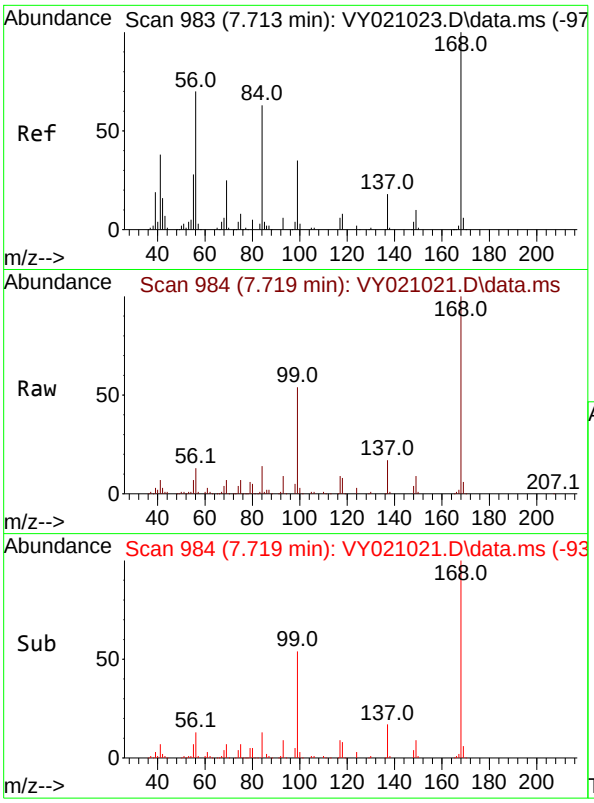
Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:168 Resp: 18229

Ion	Ratio	Lower	Upper
168	100		
99	53.6	42.2	63.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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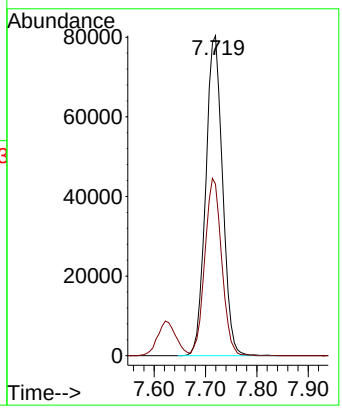
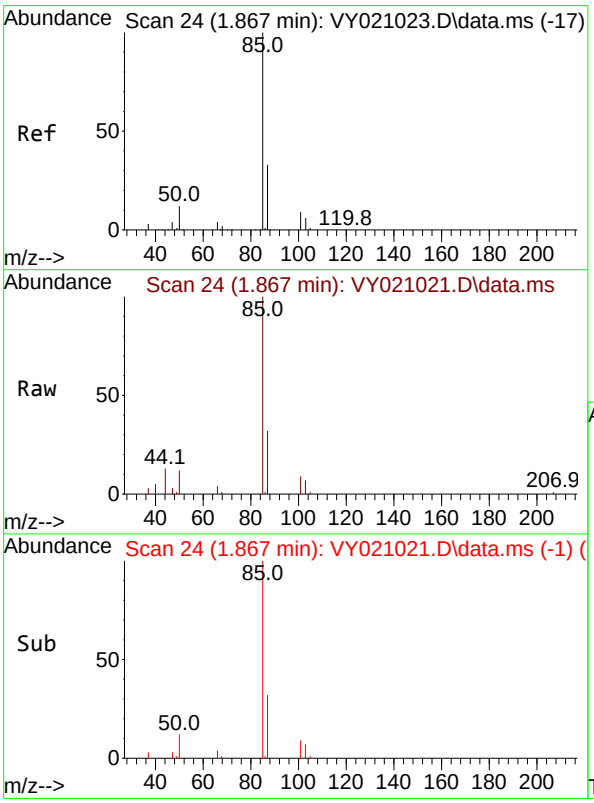
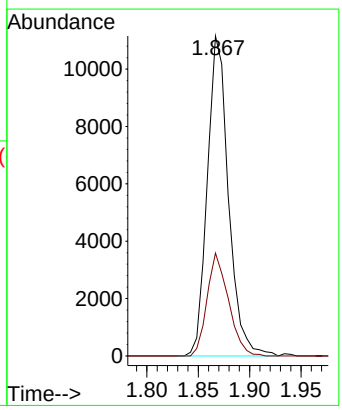


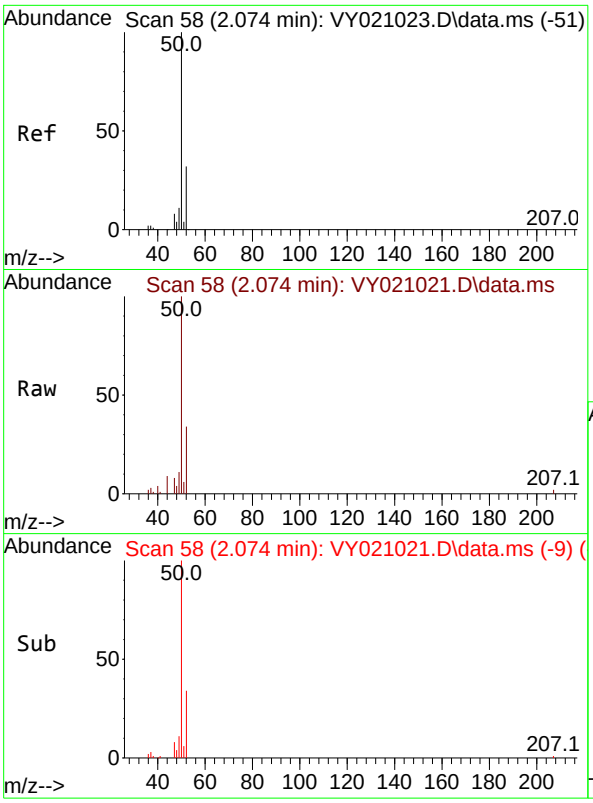


#2
Dichlorodifluoromethane
Concen: 10.296 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 85 Resp: 15959

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.9

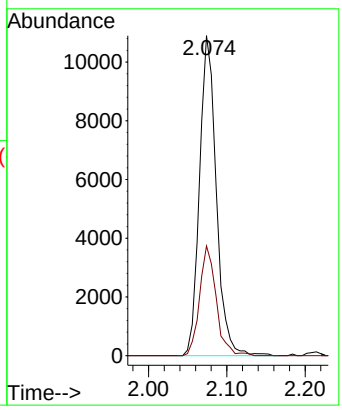




#3
Chloromethane
Concen: 16.458 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 50 Resp: 1621

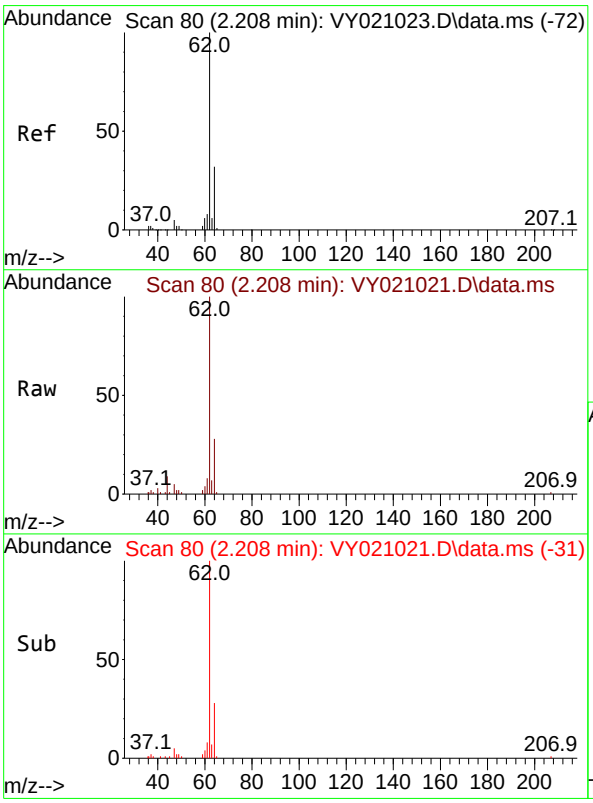
Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

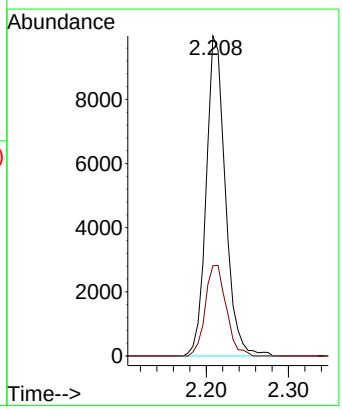
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

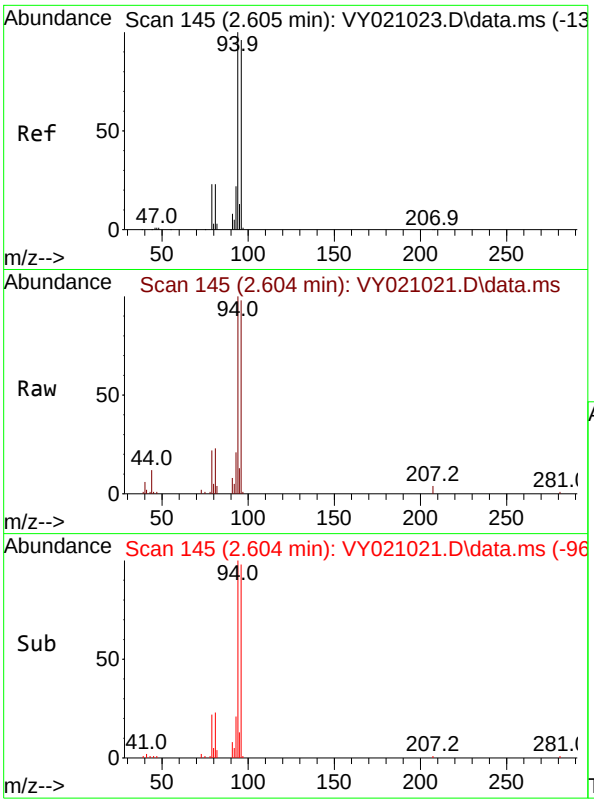


#4
Vinyl Chloride
Concen: 15.839 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 16094

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.4	38.2

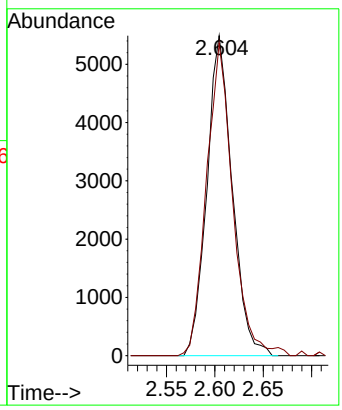




#5
Bromomethane
Concen: 14.599 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 94 Resp: 1004

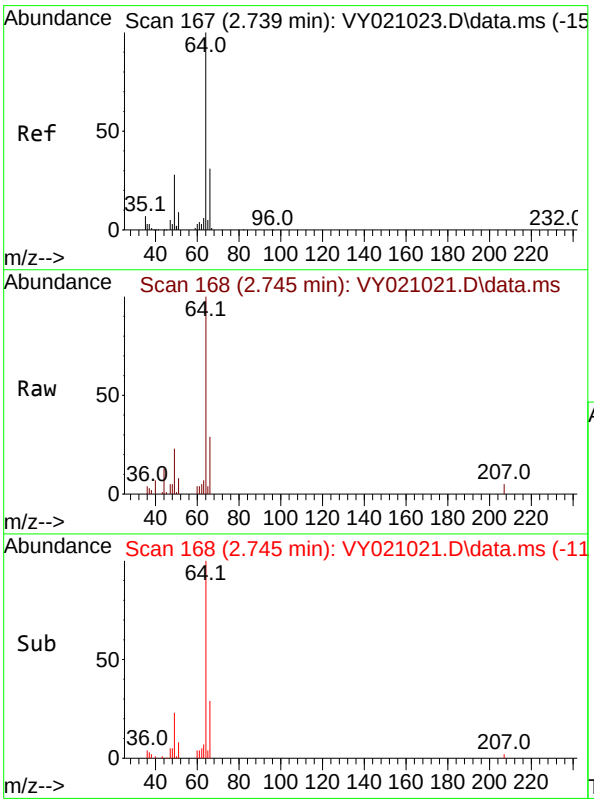
Ion	Ratio	Lower	Upper
94	100		
96	97.7	77.4	116.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

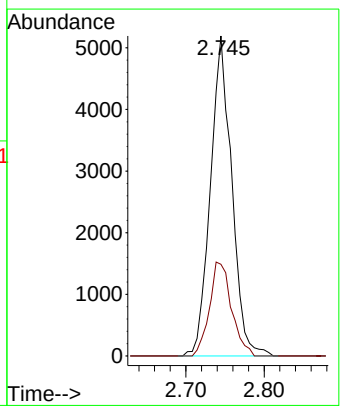
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

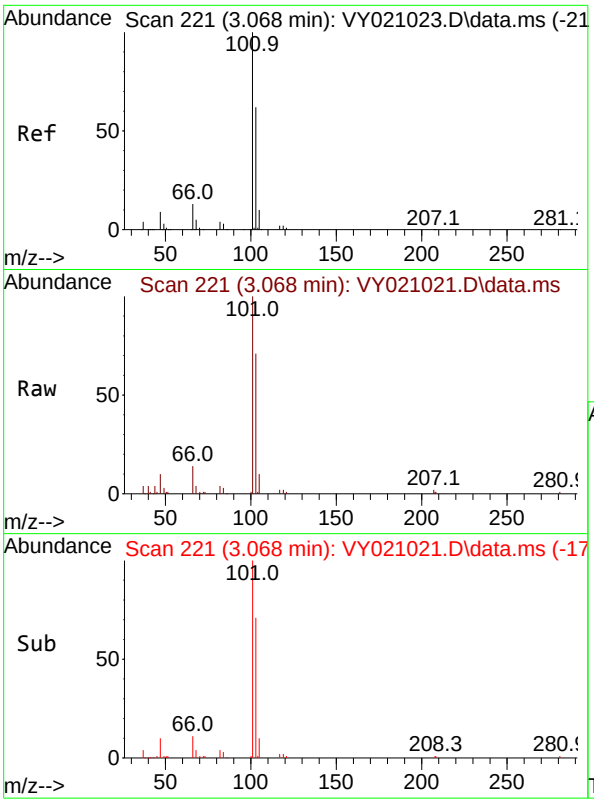


#6
Chloroethane
Concen: 16.561 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 64 Resp: 9830

Ion	Ratio	Lower	Upper
64	100		
66	28.6	25.0	37.4

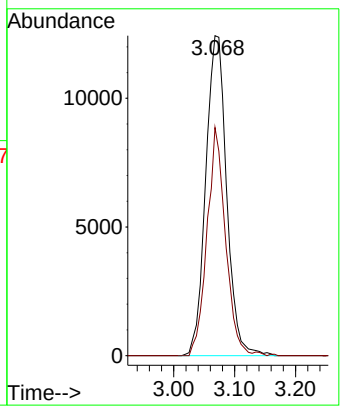




#7
Trichlorofluoromethane
Concen: 12.097 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:101 Resp: 2966

Ion	Ratio	Lower	Upper
101	100		
103	71.3	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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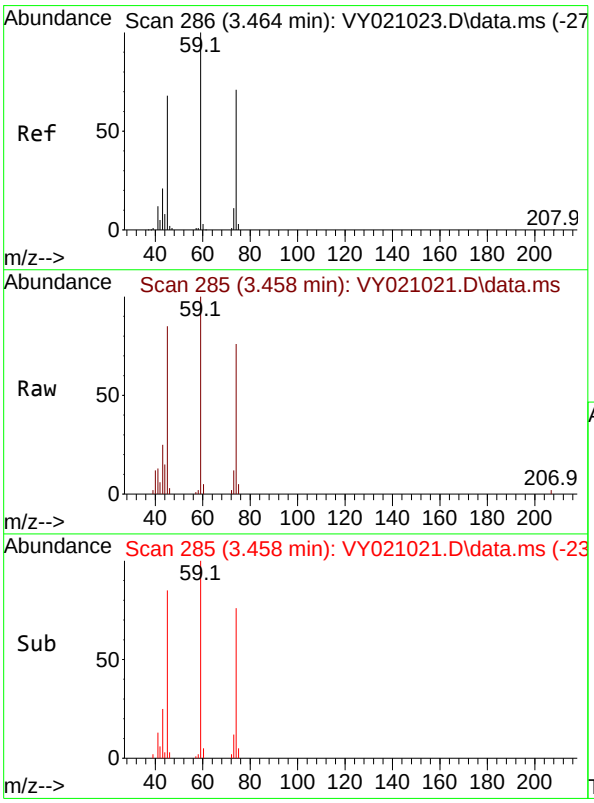
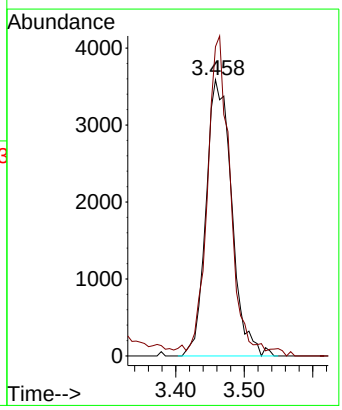
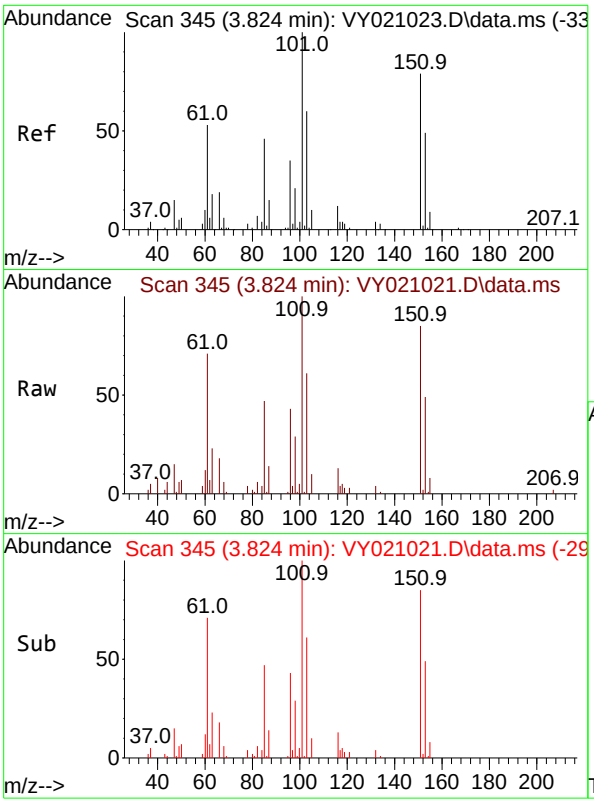


#8
Diethyl Ether
Concen: 12.745 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 74 Resp: 9330

Ion	Ratio	Lower	Upper
74	100		
45	97.0	43.4	130.2

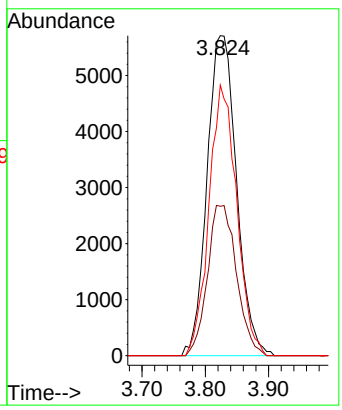




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.194 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:101 Resp: 1848

Ion	Ratio	Lower	Upper
101	100		
85	46.3	34.9	52.3
151	79.6	66.8	100.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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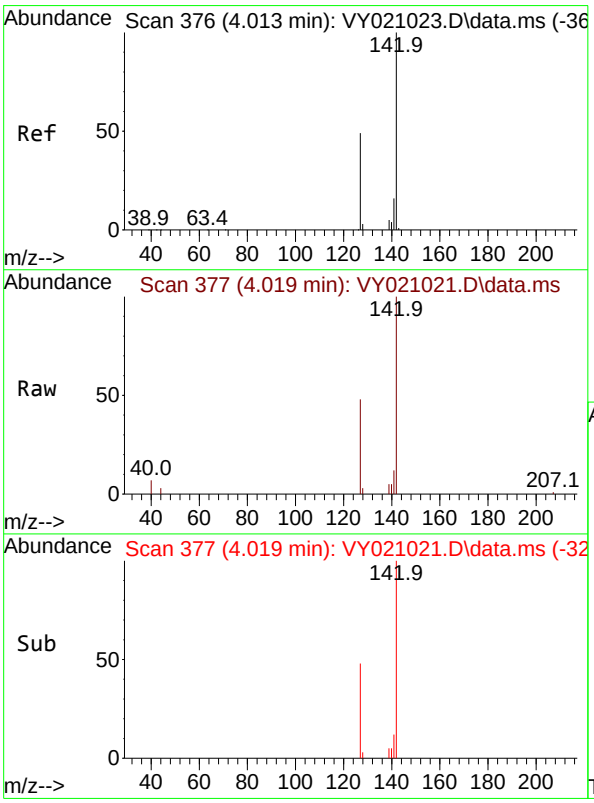
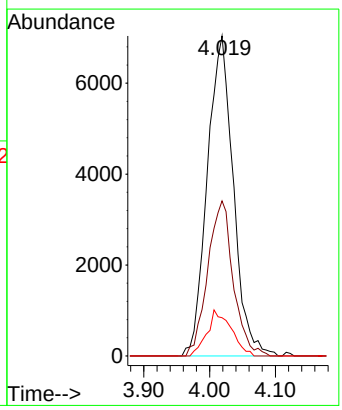
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

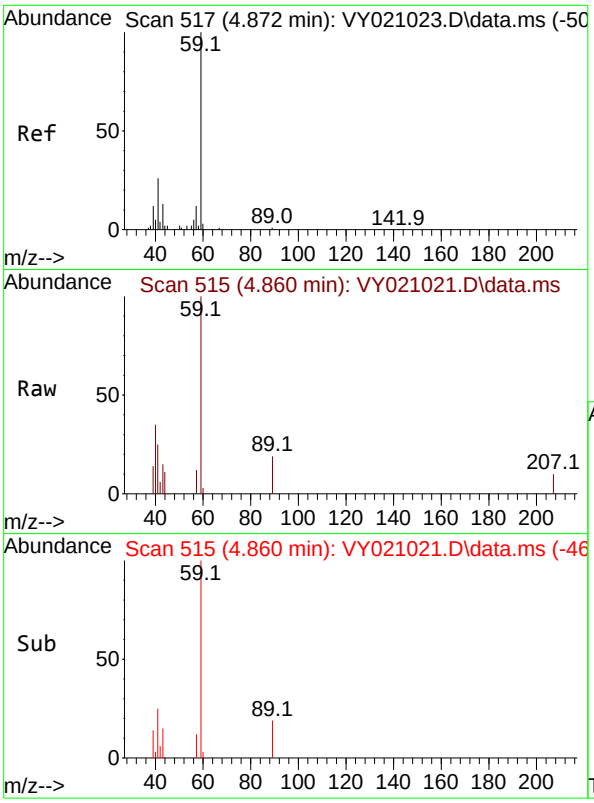


#10
Methyl Iodide
Concen: 10.258 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:142 Resp: 19381

Ion	Ratio	Lower	Upper
142	100		
127	47.5	38.9	58.3
141	13.3	11.7	17.5

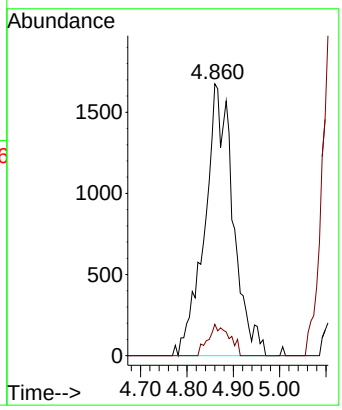




#11
Tert butyl alcohol
Concen: 63.135 ug/l m
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 59 Resp: 715

Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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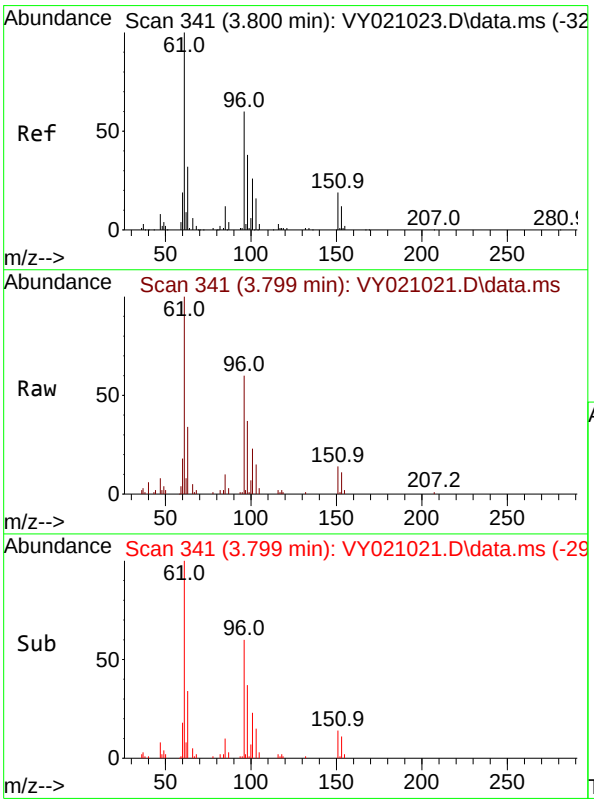
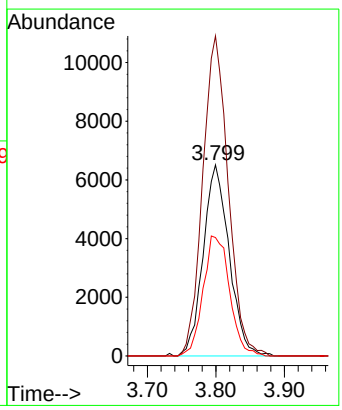
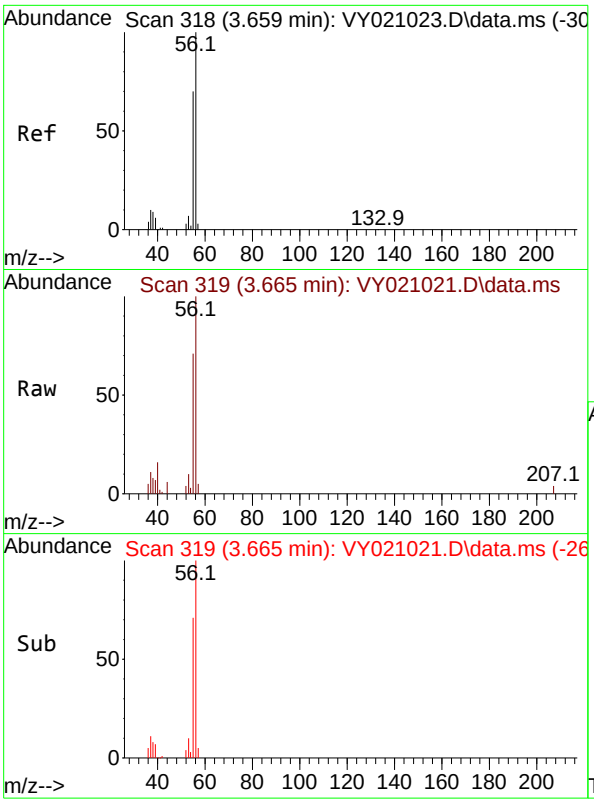


#12
1,1-Dichloroethene
Concen: 11.131 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 17176

Ion	Ratio	Lower	Upper
96	100		
61	167.5	120.8	181.2
98	62.0	50.6	76.0





#13
Acrolein
Concen: 79.726 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 56 Resp: 1040

Ion	Ratio	Lower	Upper
56	100		
55	73.3	56.1	84.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
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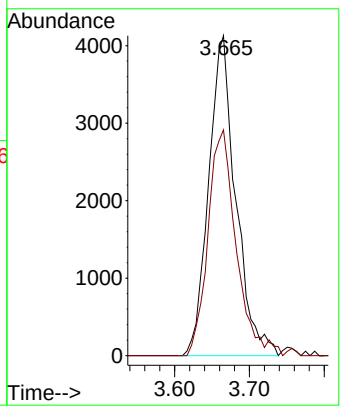
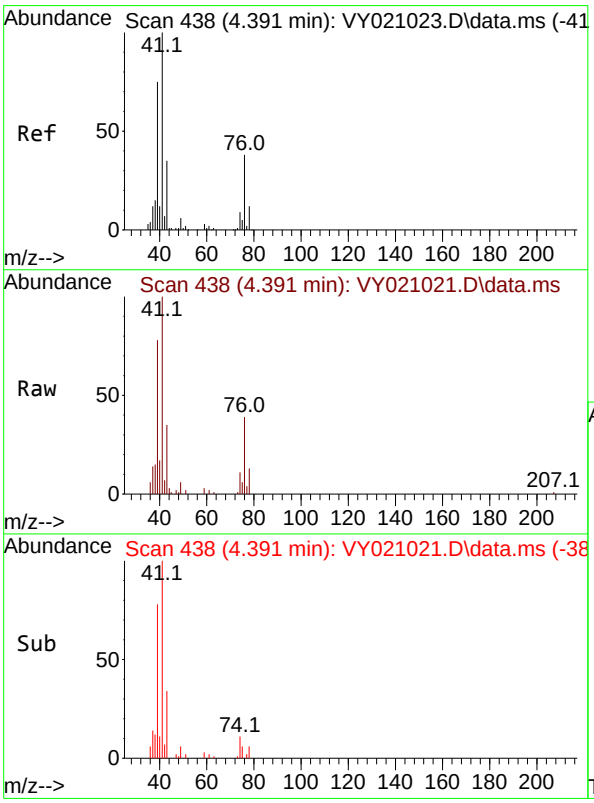
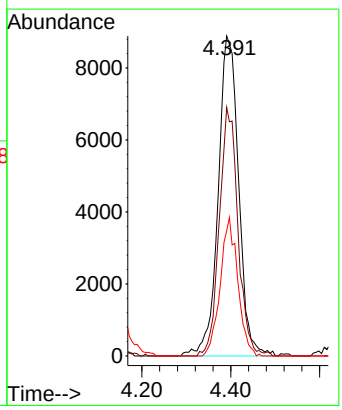


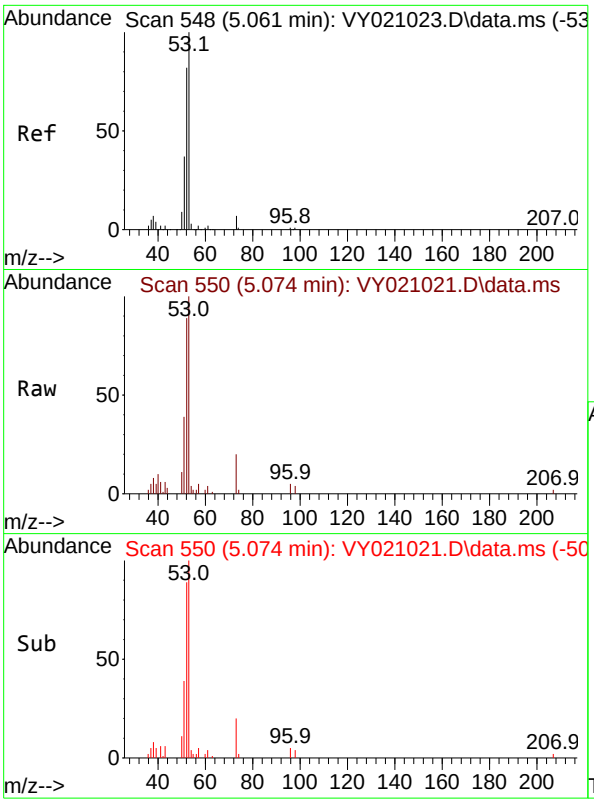


#14
Allyl chloride
Concen: 13.358 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 28376

Ion	Ratio	Lower	Upper
41	100		
39	70.7	53.5	80.3
76	37.1	34.6	52.0

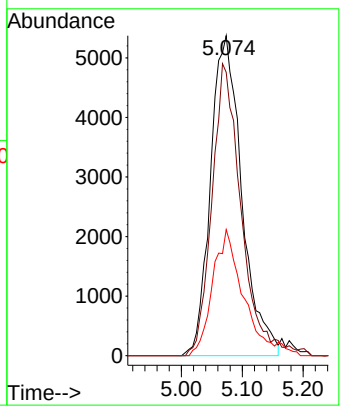




#15
Acrylonitrile
Concen: 63.446 ug/l
RT: 5.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 53 Resp: 1910

Ion	Ratio	Lower	Upper
53	100		
52	86.0	66.2	99.4
51	38.0	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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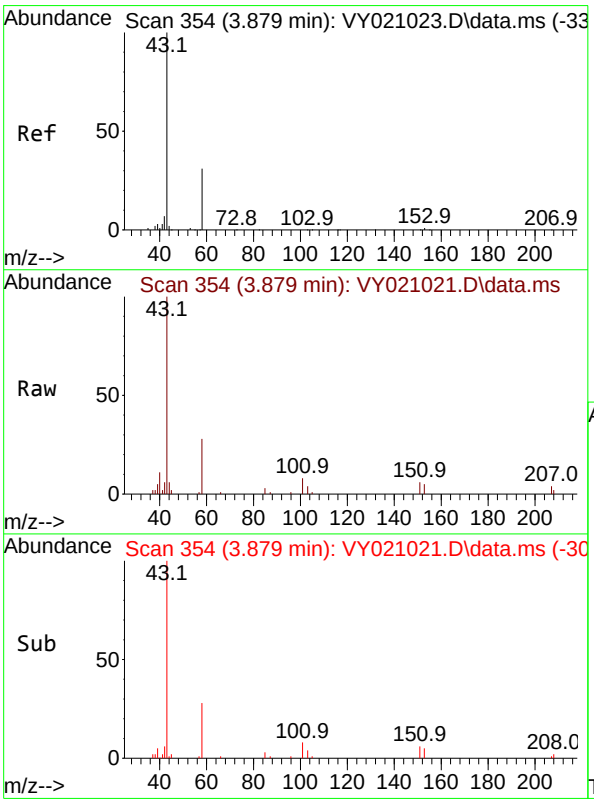
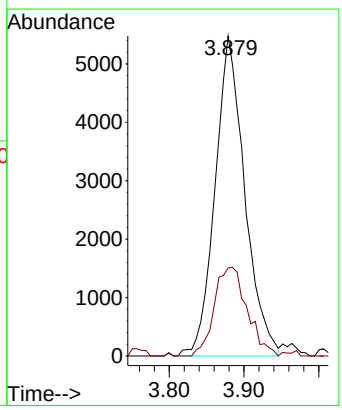
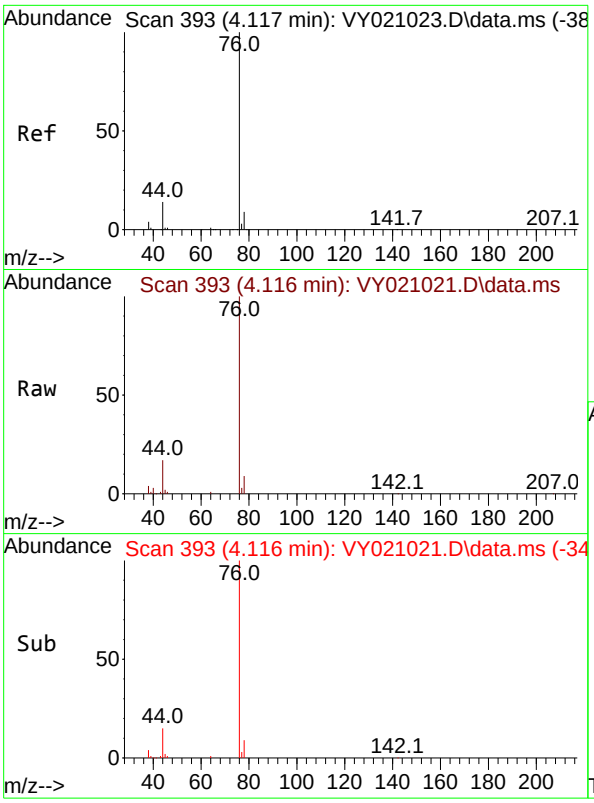


#16
Acetone
Concen: 71.438 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 15112

Ion	Ratio	Lower	Upper
43	100		
58	27.5	28.4	42.6#

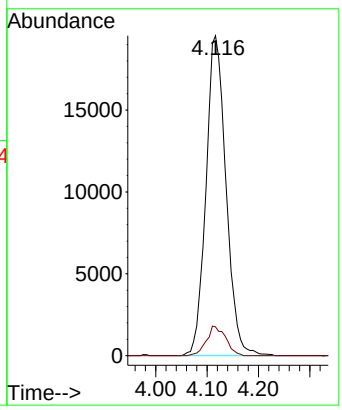




#17
Carbon Disulfide
Concen: 11.171 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 76 Resp: 5308

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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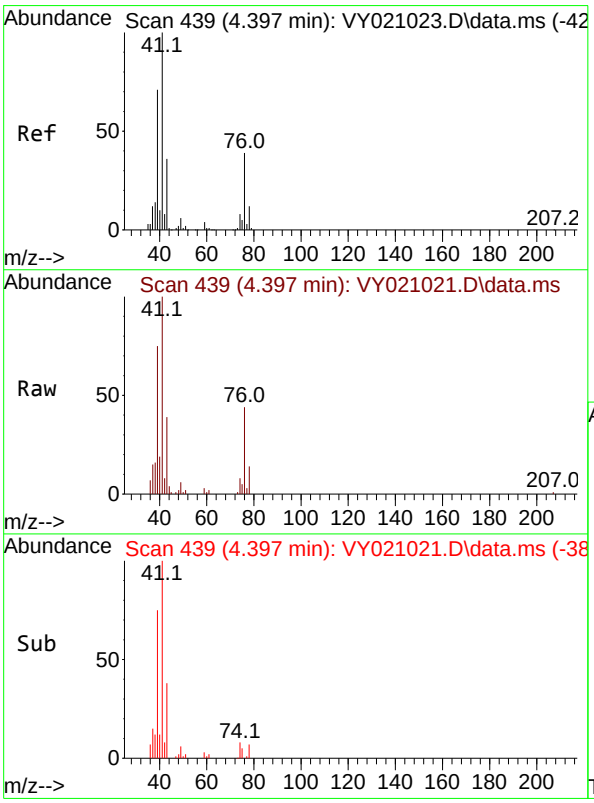
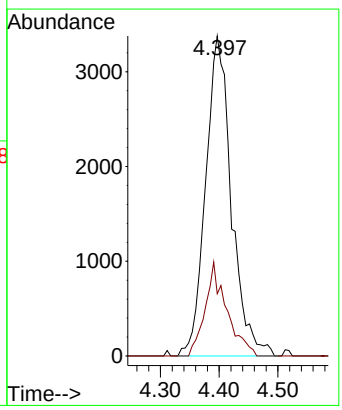
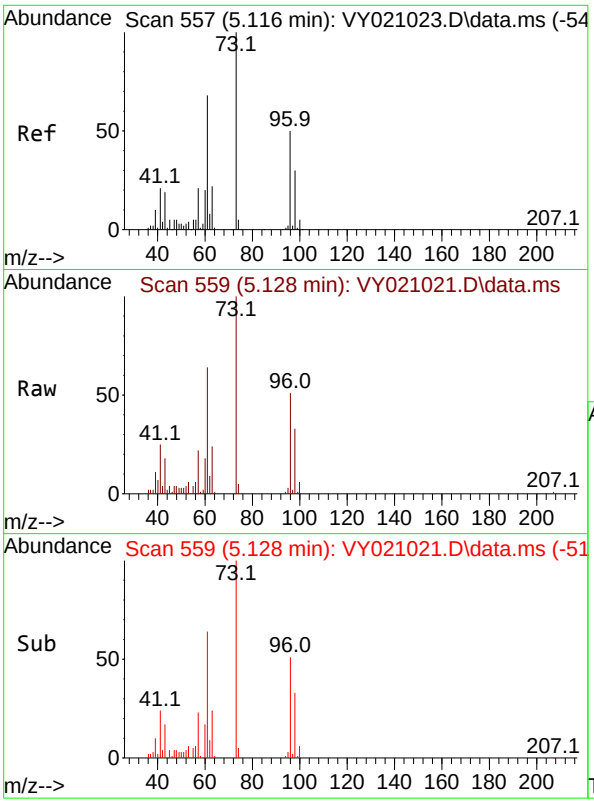


#18
Methyl Acetate
Concen: 13.911 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 10297

Ion	Ratio	Lower	Upper
43	100		
74	24.6	22.2	33.4

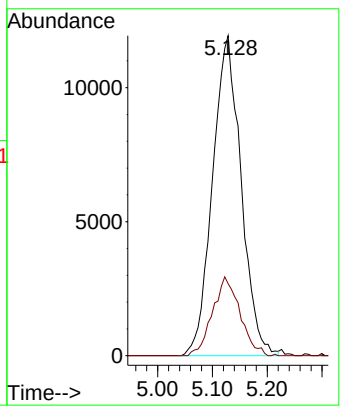




#19
Methyl tert-butyl Ether
Concen: 12.033 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 73 Resp: 4321

Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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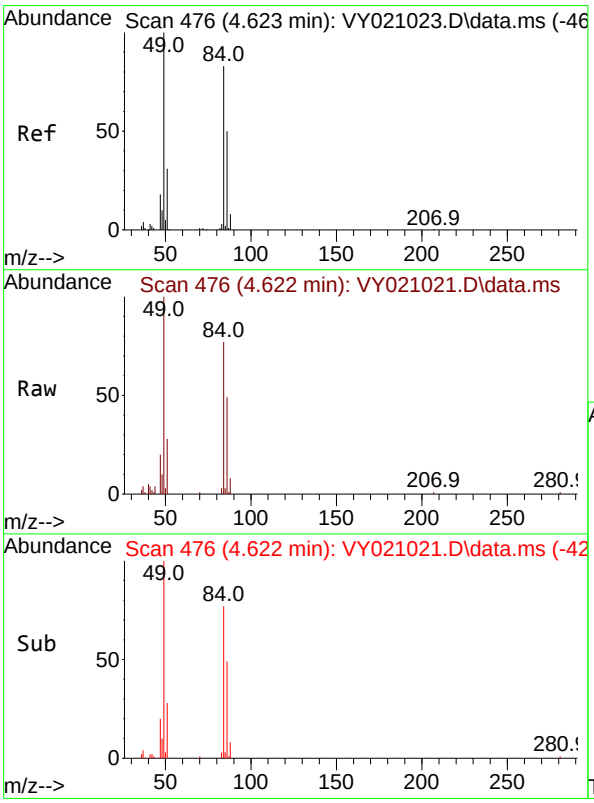
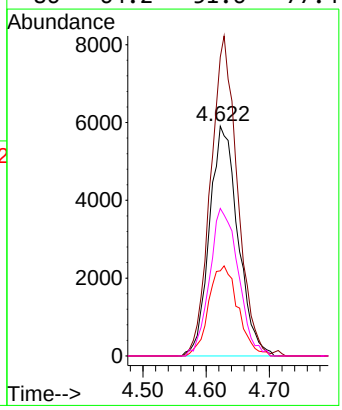
Supervised By :Semsettin Yesilyurt 02/04/2025

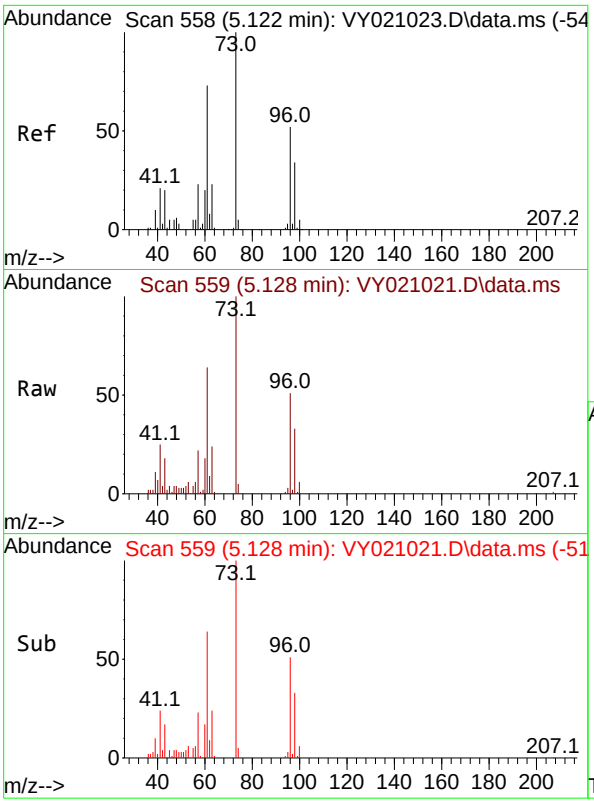


#20
Methylene Chloride
Concen: 11.829 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 84 Resp: 18455

Ion	Ratio	Lower	Upper
84	100		
49	130.0	88.3	132.5
51	37.0	27.7	41.5
86	64.2	51.6	77.4

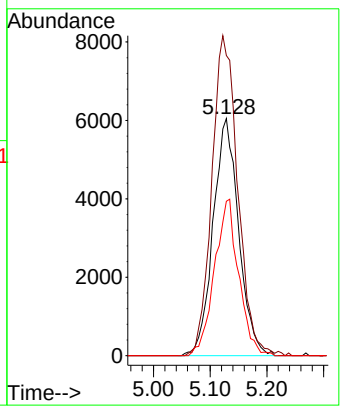




#21
trans-1,2-Dichloroethene
Concen: 11.426 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 1890

Ion	Ratio	Lower	Upper
96	100		
61	126.5	101.5	152.3
98	65.1	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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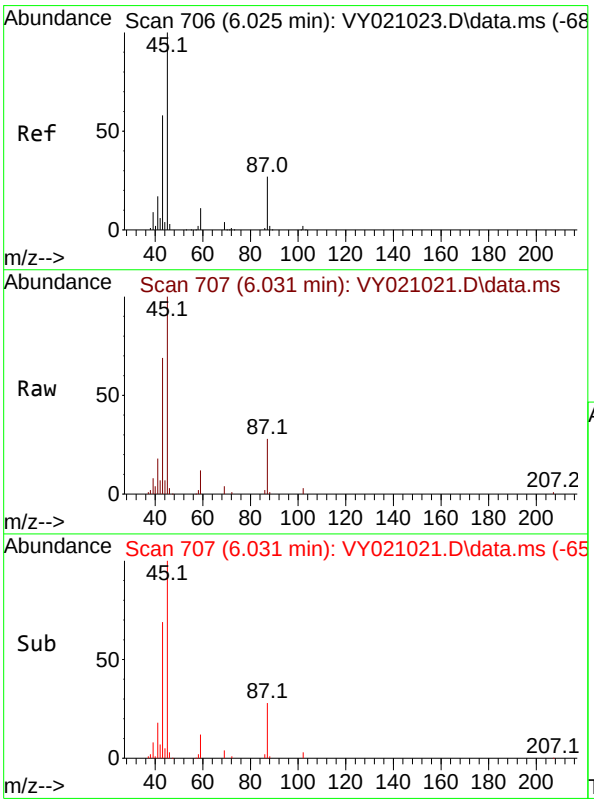
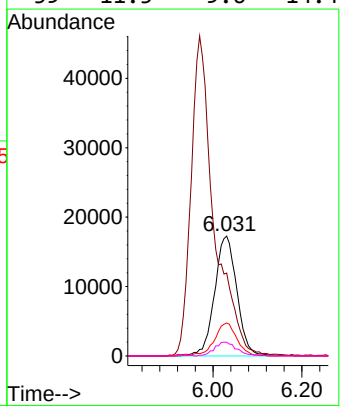
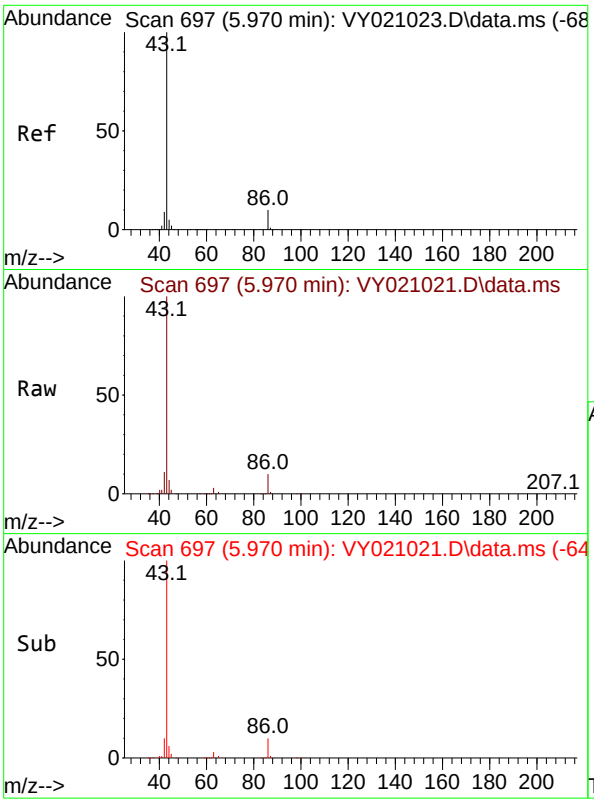


#22
Diisopropyl ether
Concen: 13.831 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 45 Resp: 59888

Ion	Ratio	Lower	Upper
45	100		
43	67.8	45.1	67.7#
87	27.5	25.0	37.4
59	11.5	9.6	14.4





#23
Vinyl Acetate
Concen: 69.409 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 16643

Ion	Ratio	Lower	Upper
43	100		
86	9.9	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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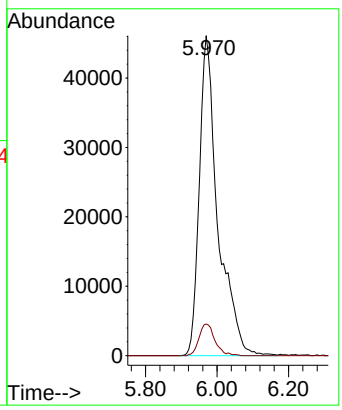
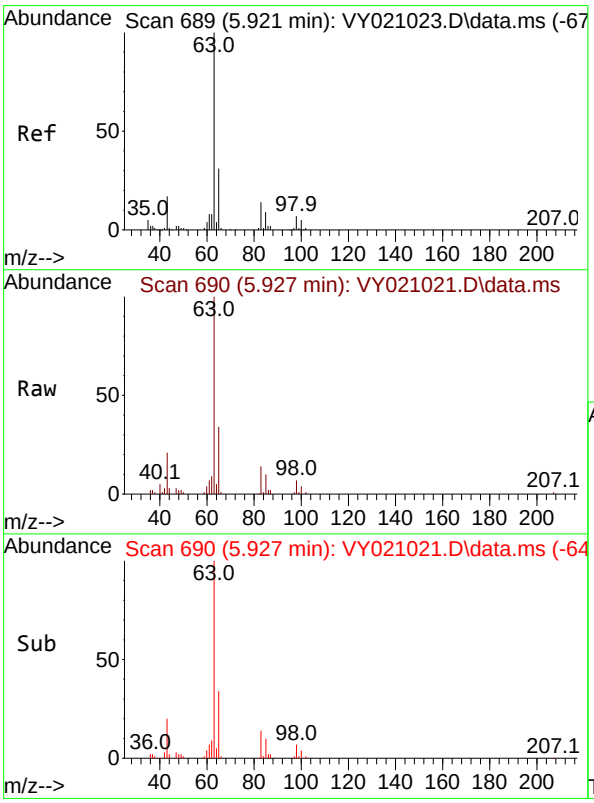
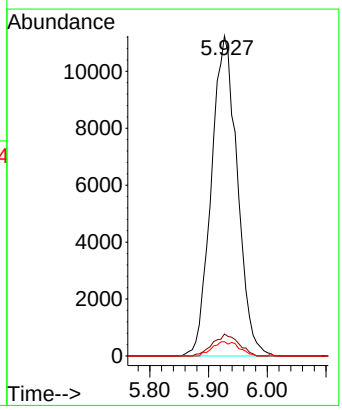


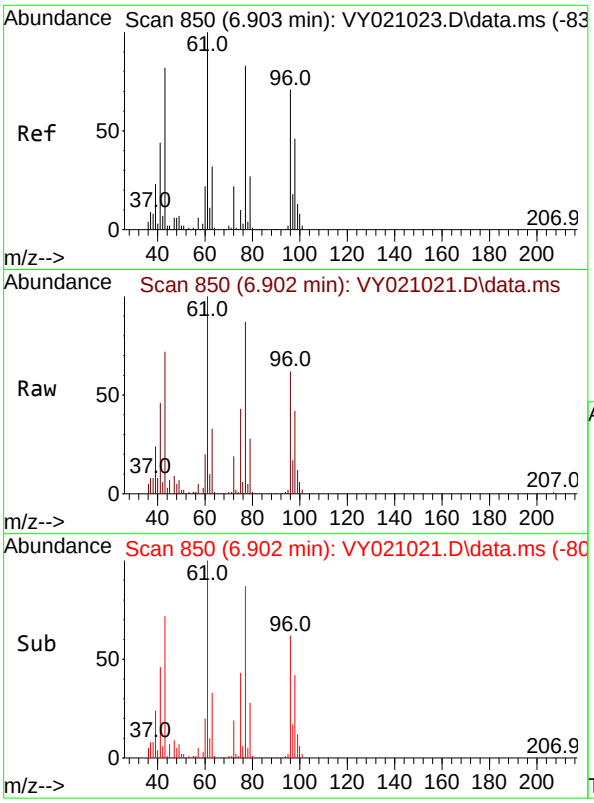


#24
1,1-Dichloroethane
Concen: 12.375 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 34569

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.4	2.4	7.2





#25
2-Butanone
Concen: 67.624 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 2426

Ion	Ratio	Lower	Upper
43	100		
72	26.8	24.3	36.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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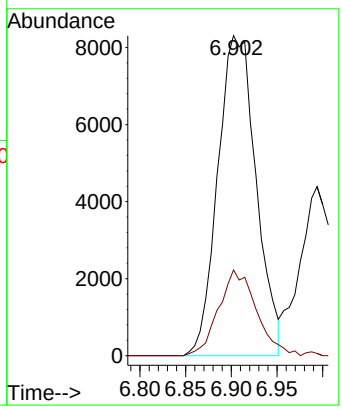
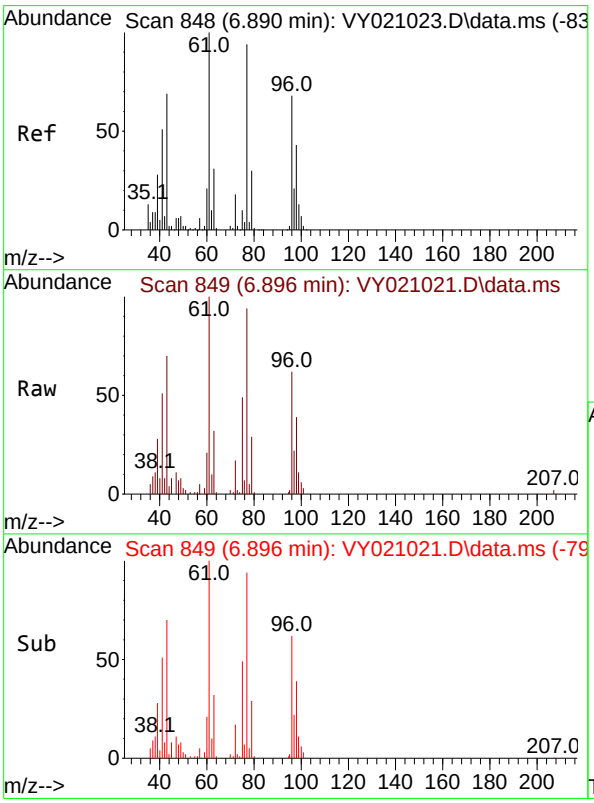
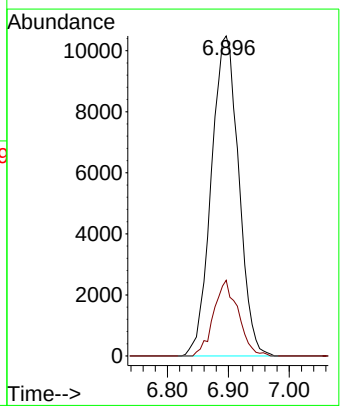


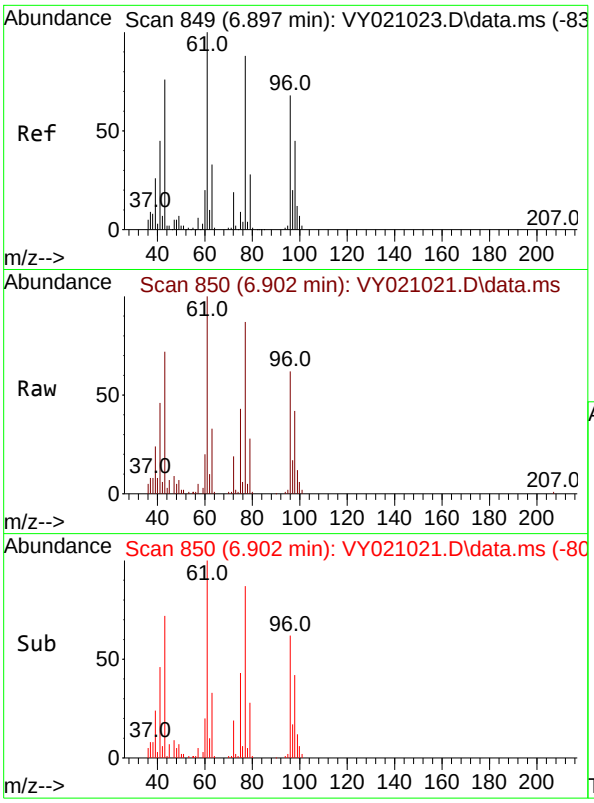


#26
2,2-Dichloropropane
Concen: 11.915 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 77 Resp: 32771

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.4	34.2

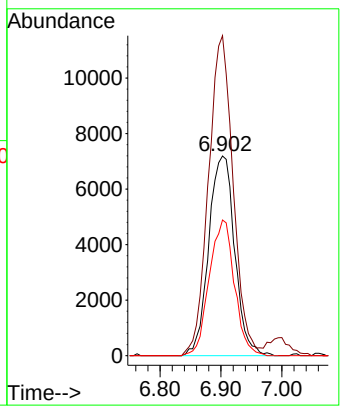




#27
cis-1,2-Dichloroethene
Concen: 11.206 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 2130

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	274.0
98	65.8	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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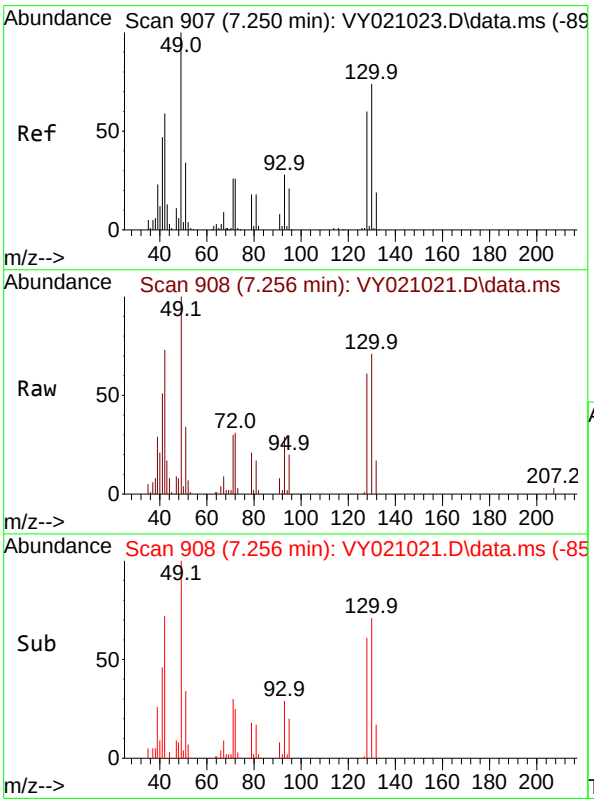
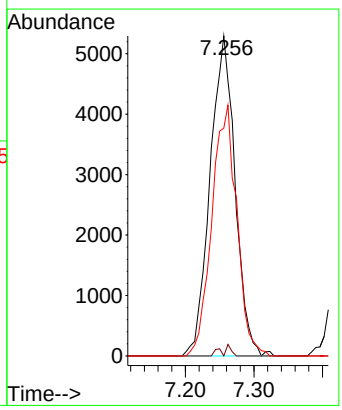
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

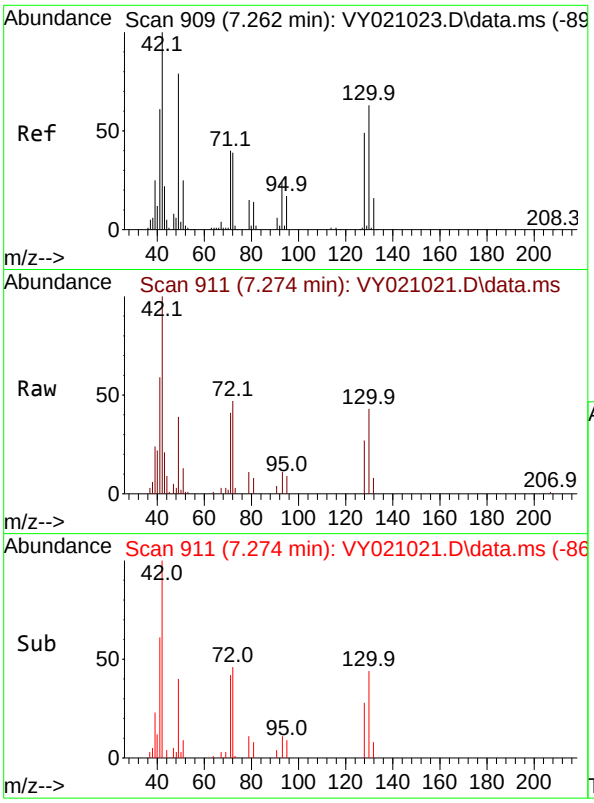


#28
Bromochloromethane
Concen: 12.892 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 49 Resp: 13417

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	5.0
130	78.2	73.2	109.8

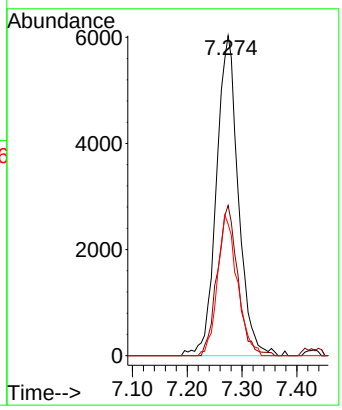




#29
Tetrahydrofuran
Concen: 69.395 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 42 Resp: 1675

Ion	Ratio	Lower	Upper
42	100		
72	43.8	39.3	58.9
71	39.8	36.1	54.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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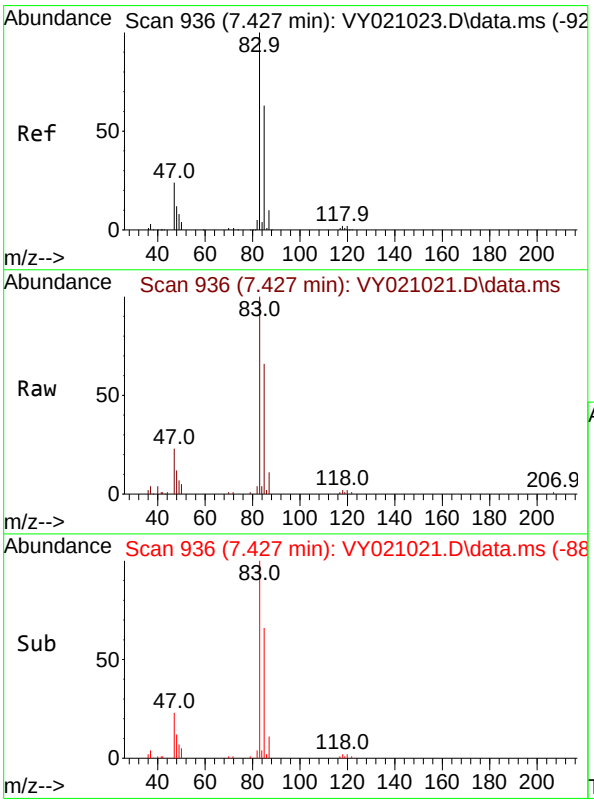
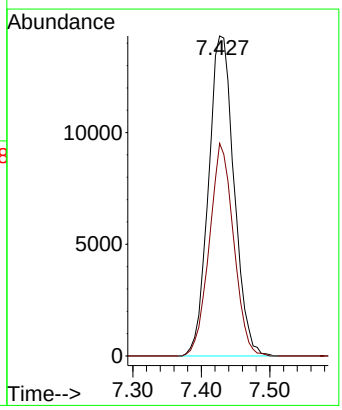
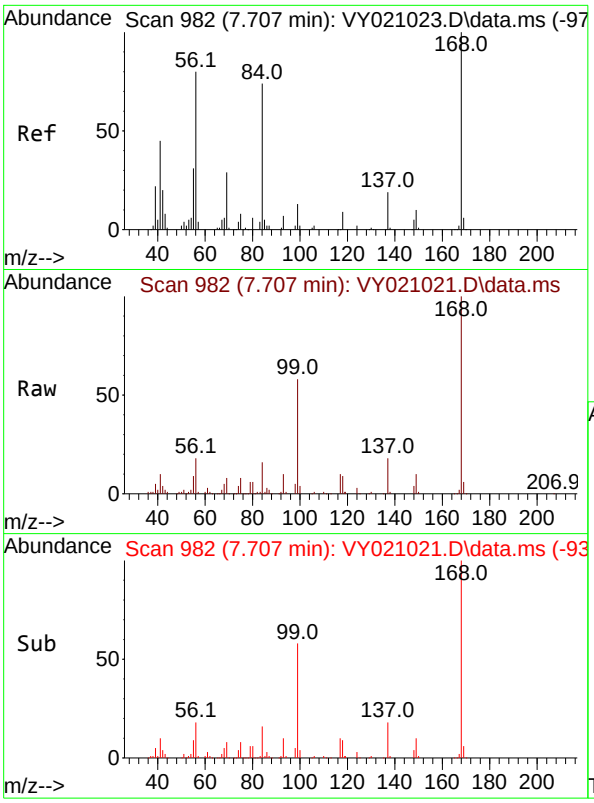


#30
Chloroform
Concen: 12.247 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 37054

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.9	79.3





#31
Cyclohexane
Concen: 11.819 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 56 Resp: 3227

Ion	Ratio	Lower	Upper
56	100		
69	44.9	27.7	41.5
84	87.6	77.5	116.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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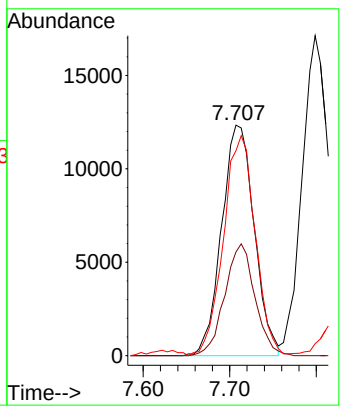
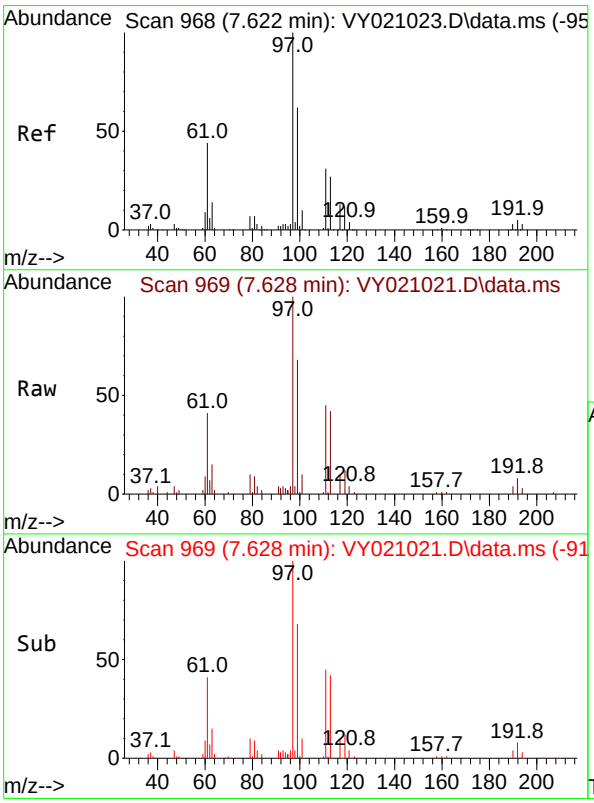
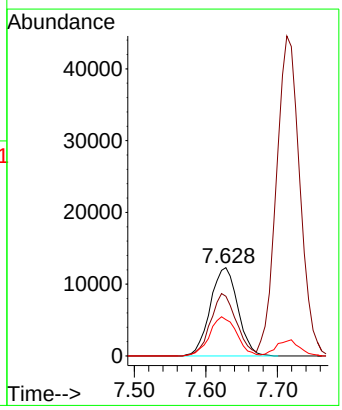


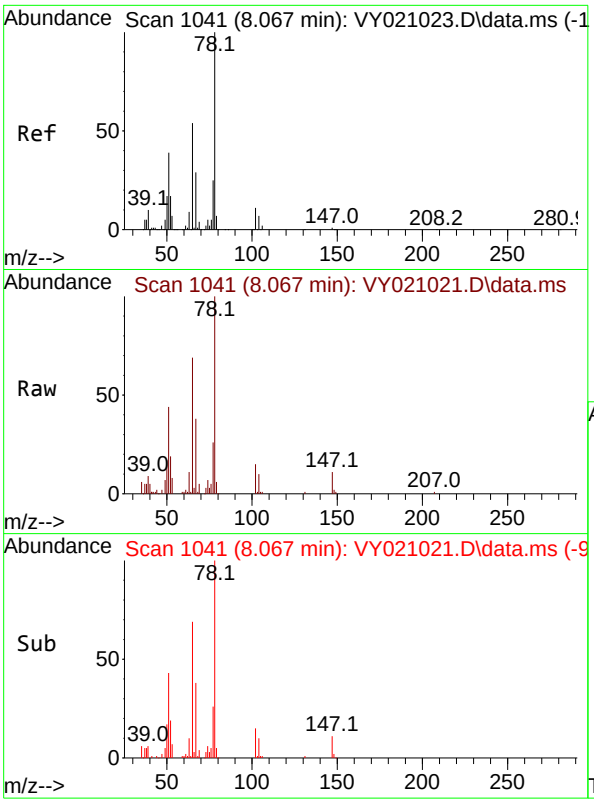


#32
1,1,1-Trichloroethane
Concen: 11.223 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 32862

Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.4	77.0
61	43.8	31.4	47.0

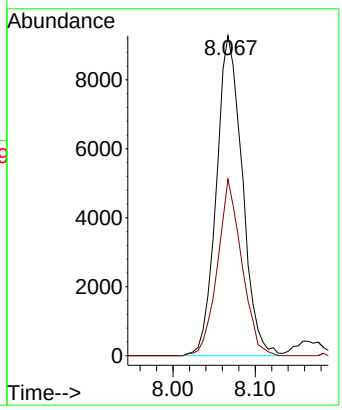




#33
1,2-Dichloroethane-d4
Concen: 13.075 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 65 Resp: 2029

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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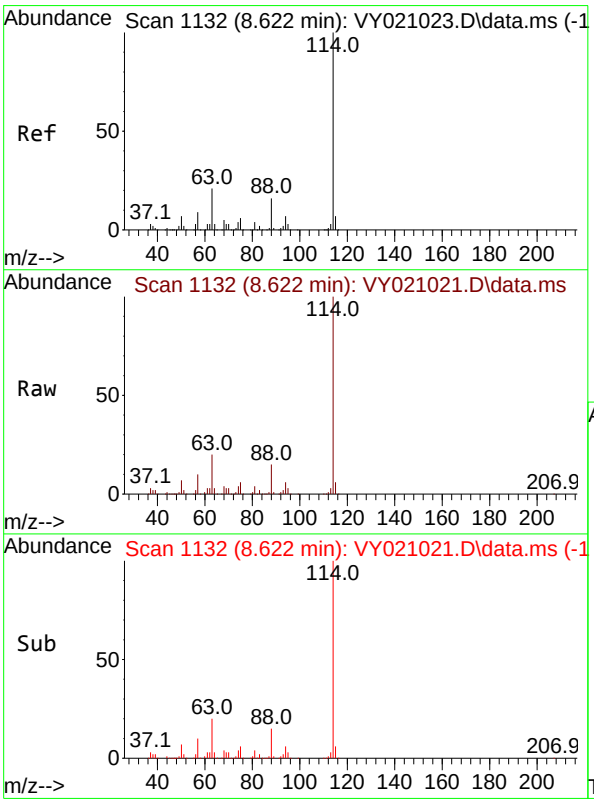
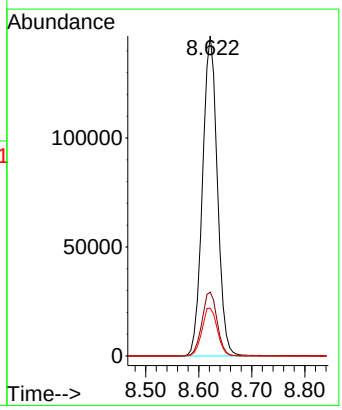
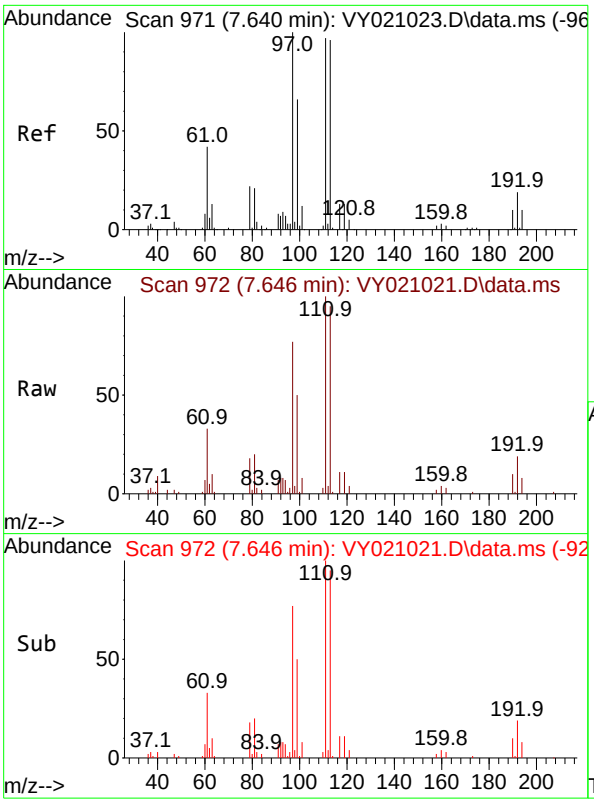


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:114 Resp: 285332

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	37.2
88	15.0	0.0	29.6

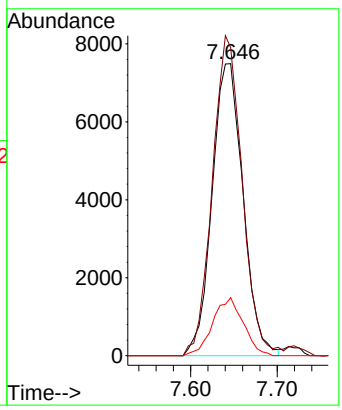




#35
Dibromofluoromethane
Concen: 10.859 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:113 Resp: 1862

Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.6	123.8
192	19.6	16.8	25.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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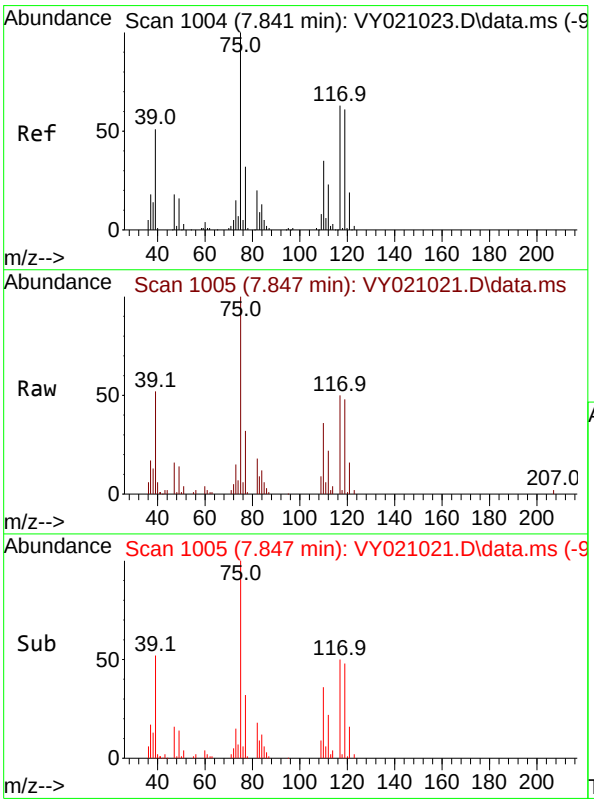
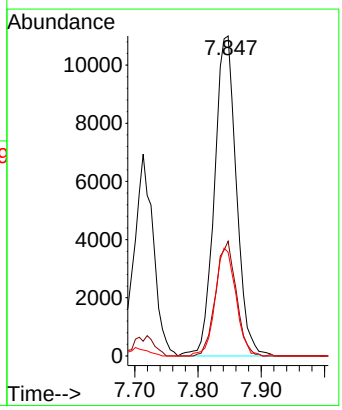
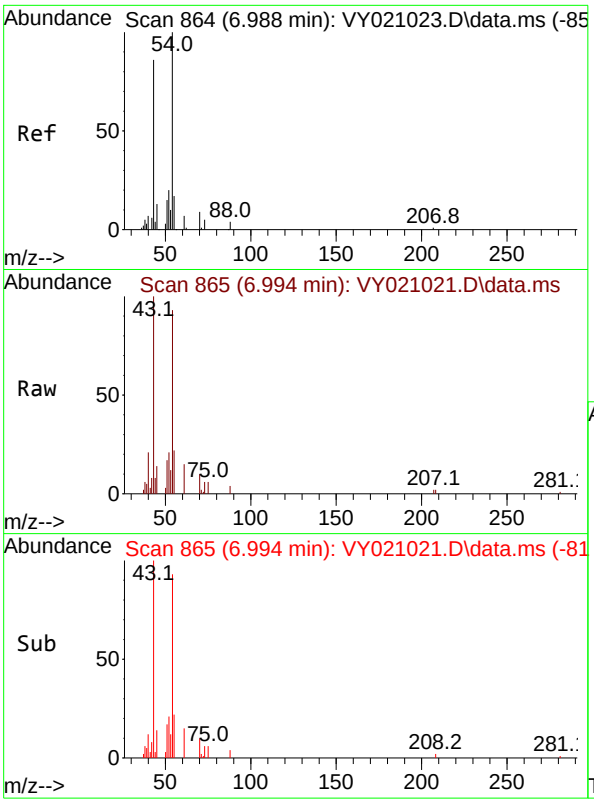


#36
1,1-Dichloropropene
Concen: 10.820 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 26479

Ion	Ratio	Lower	Upper
75	100		
110	33.6	18.4	55.2
77	31.8	24.9	37.3





#37
Ethyl Acetate
Concen: 13.017 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 1187

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.4	17.0
70	10.3	9.6	14.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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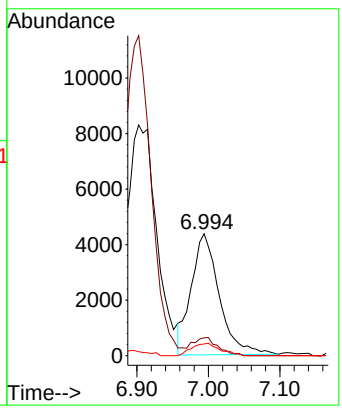
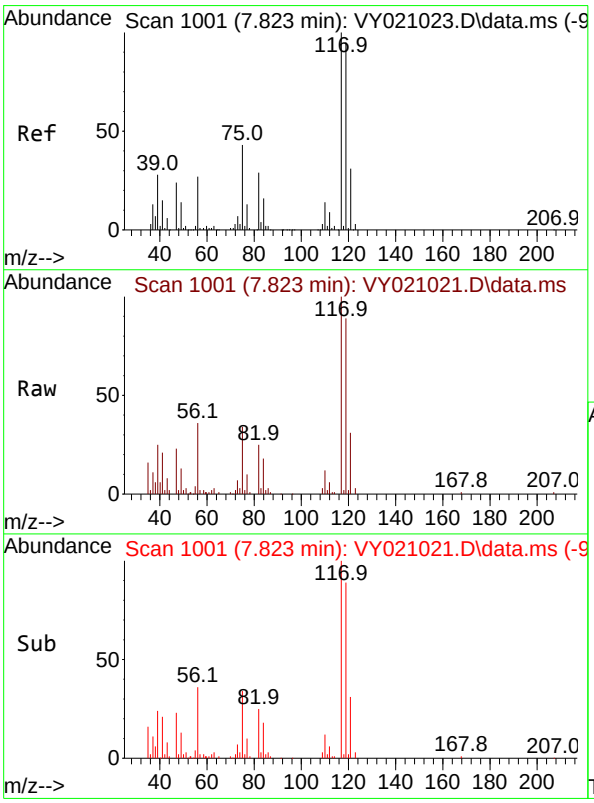
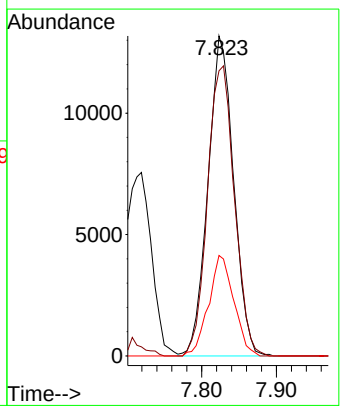


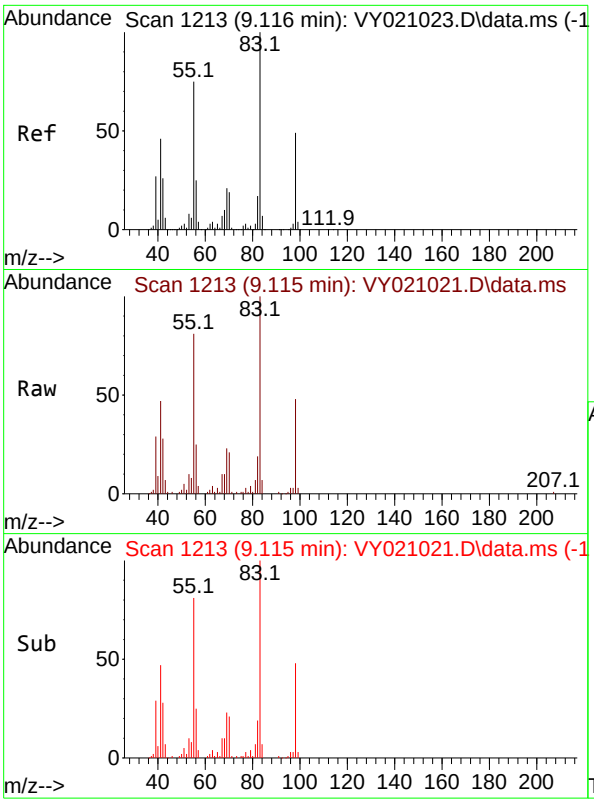


#38
Carbon Tetrachloride
Concen: 10.389 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 31462

Ion	Ratio	Lower	Upper
117	100		
119	89.1	75.0	112.6
121	31.4	24.2	36.2





#39
Methylcyclohexane
Concen: 9.549 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 3139

Ion	Ratio	Lower	Upper
83	100		
55	80.9	54.9	82.3
98	48.1	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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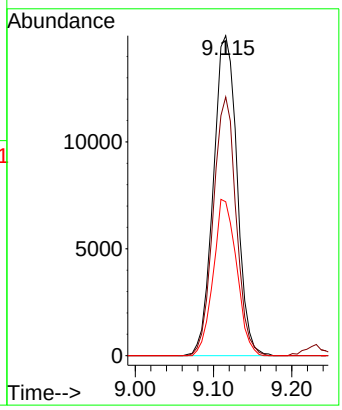
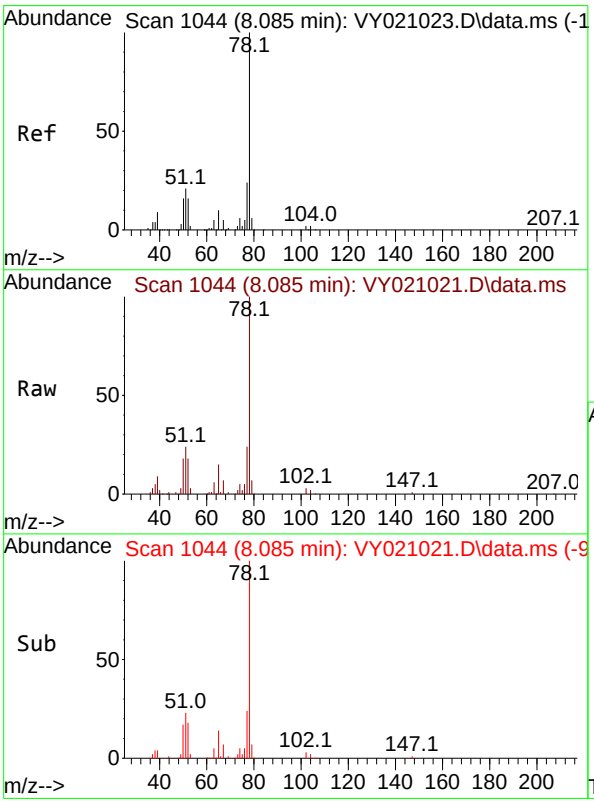
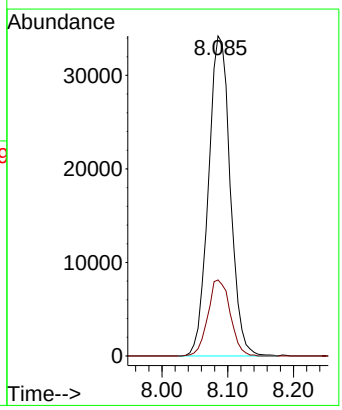


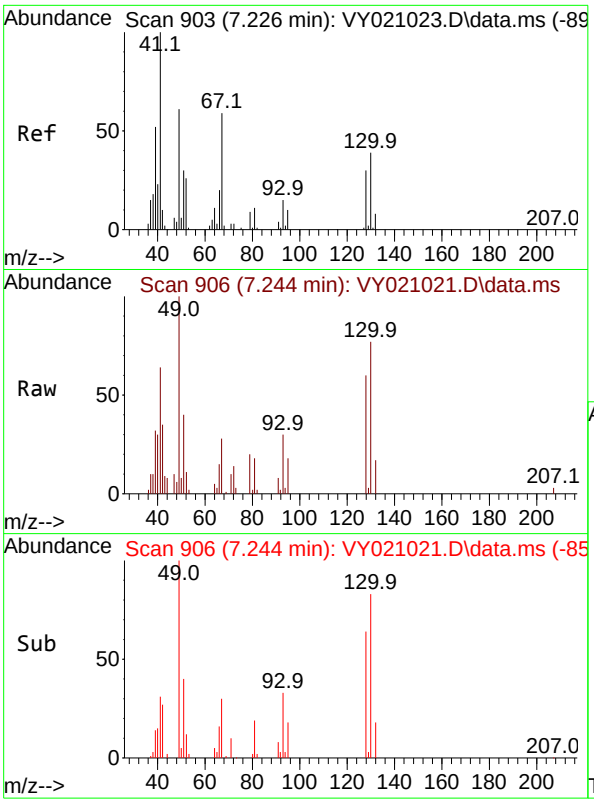


#40
Benzene
Concen: 10.950 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 78 Resp: 78846

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.2

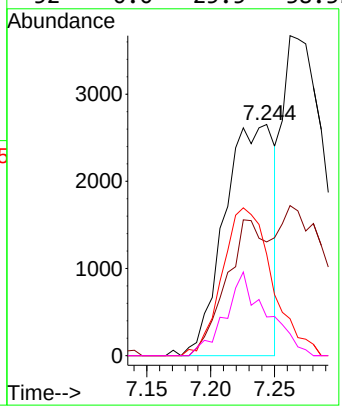




#41
Methacrylonitrile
Concen: 14.253 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.019 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 719

Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.6	62.4
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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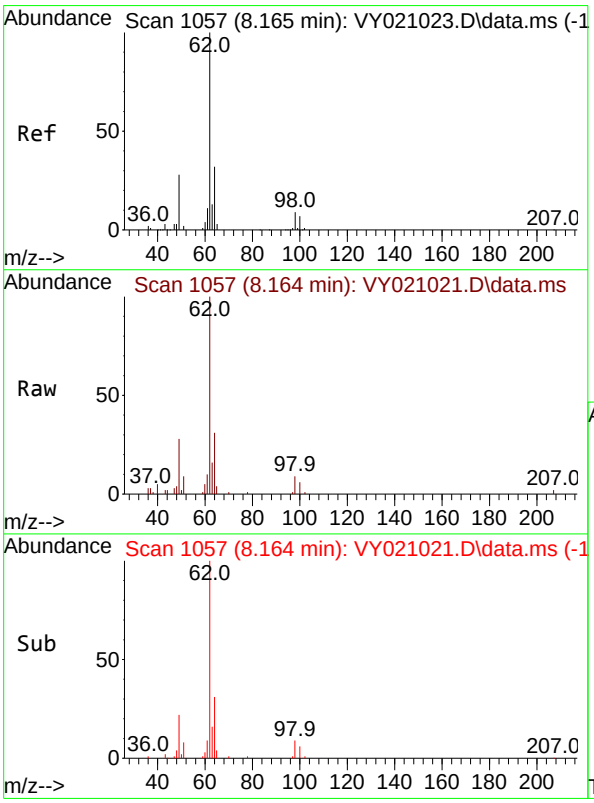
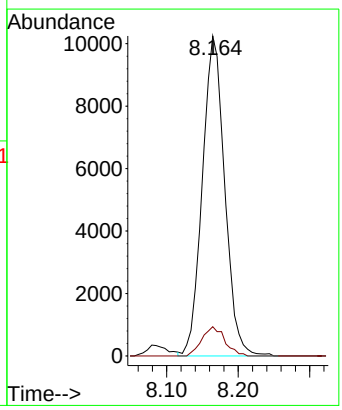
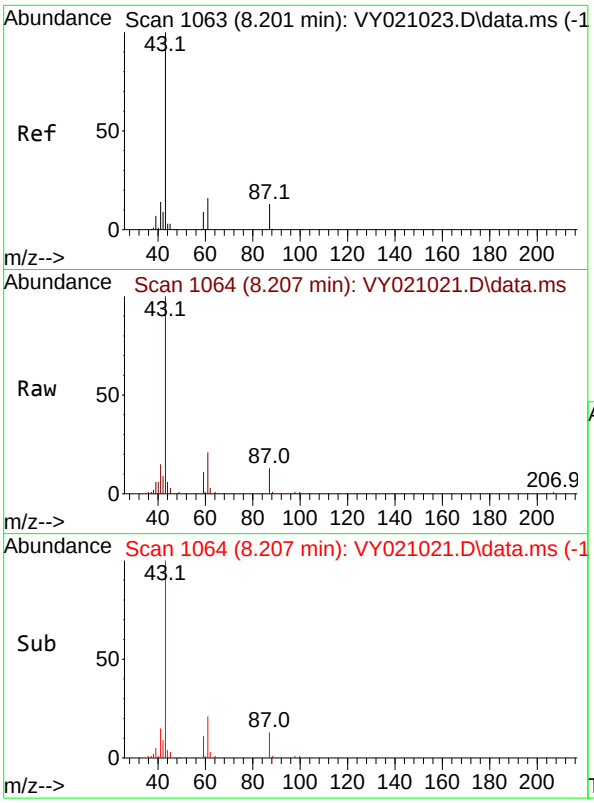


#42
1,2-Dichloroethane
Concen: 12.201 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 22281

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4





#43
Isopropyl Acetate
Concen: 13.055 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 2379

Ion	Ratio	Lower	Upper
43	100		
61	29.8	15.8	23.6#
87	12.1	12.5	18.7#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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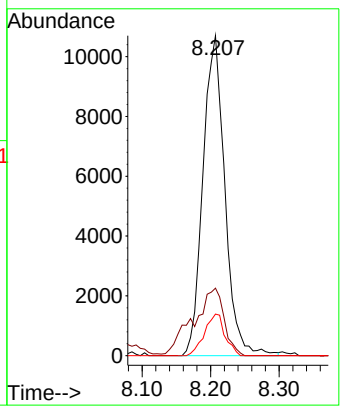
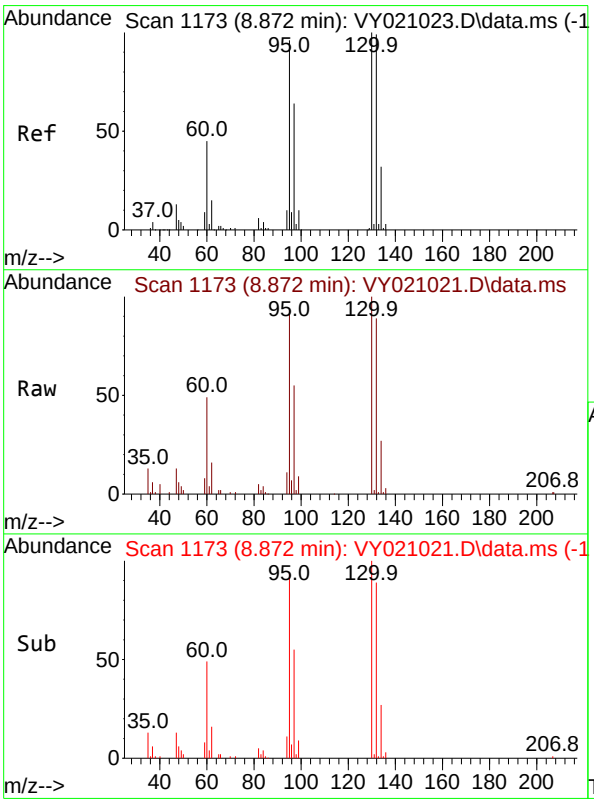
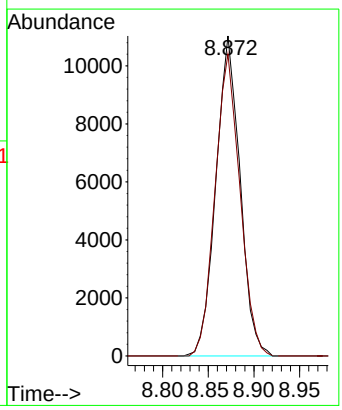


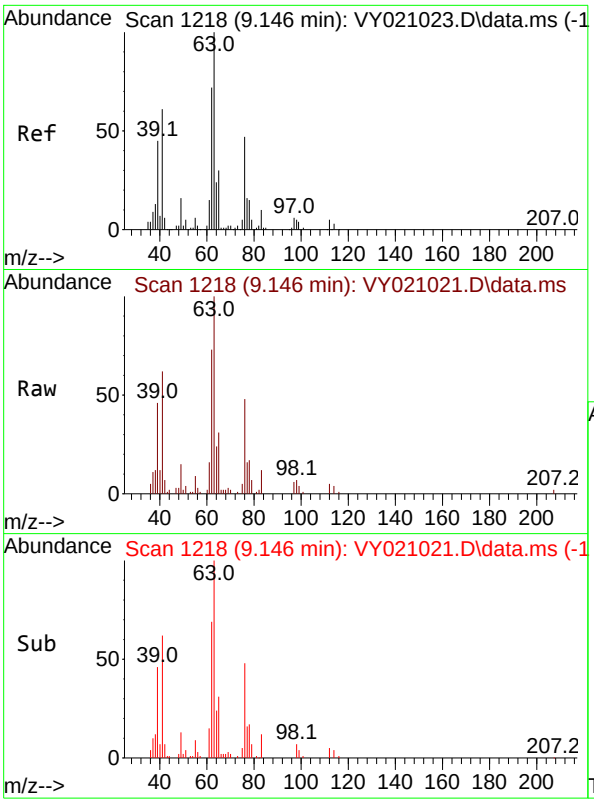


#44
Trichloroethene
Concen: 10.197 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:130 Resp: 20261

Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	189.6





#45
1,2-Dichloropropane
Concen: 11.627 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 1876

Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.6	35.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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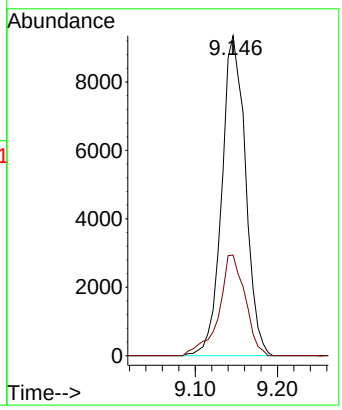
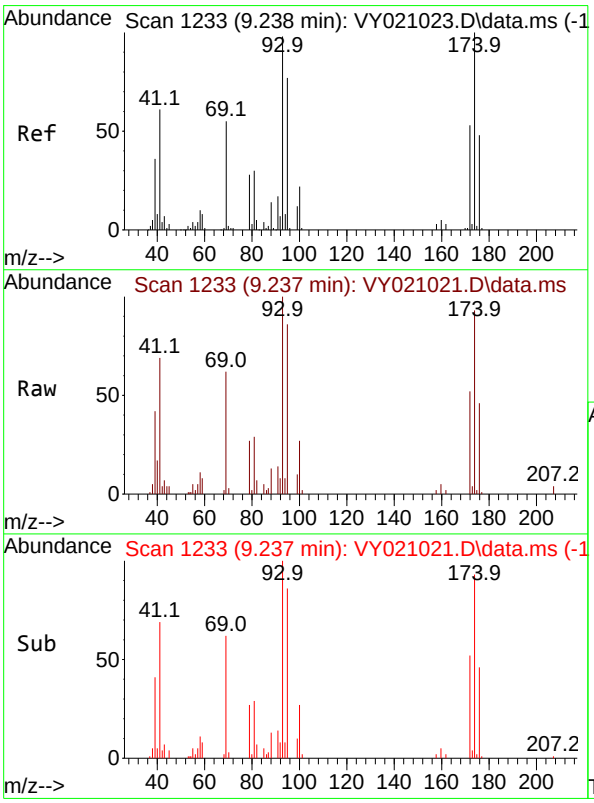
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

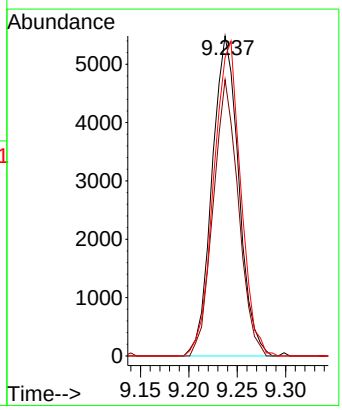


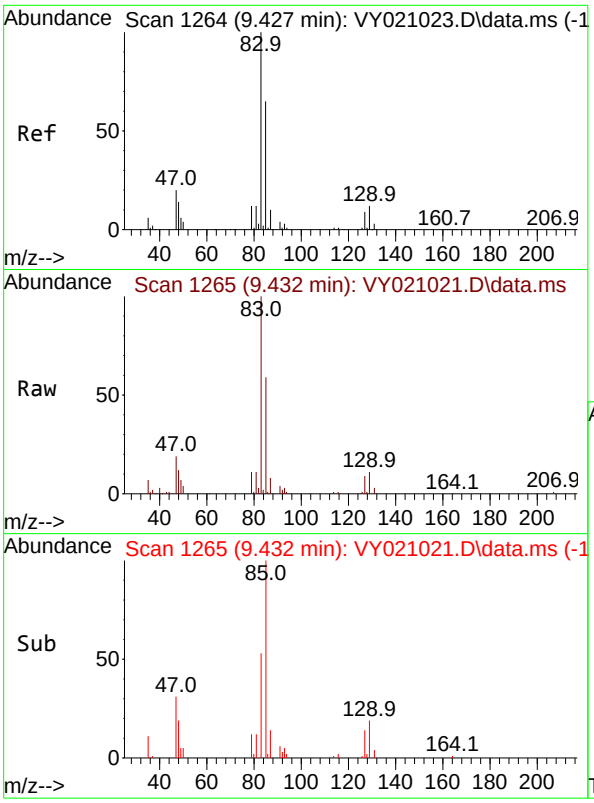


#46
Dibromomethane
Concen: 11.191 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 93 Resp: 10511

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	99.5	88.1	132.1

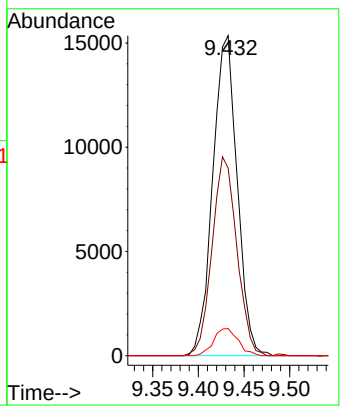




#47
Bromodichloromethane
Concen: 11.570 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 2853

Ion	Ratio	Lower	Upper
83	100		
85	58.7	49.6	74.4
127	8.5	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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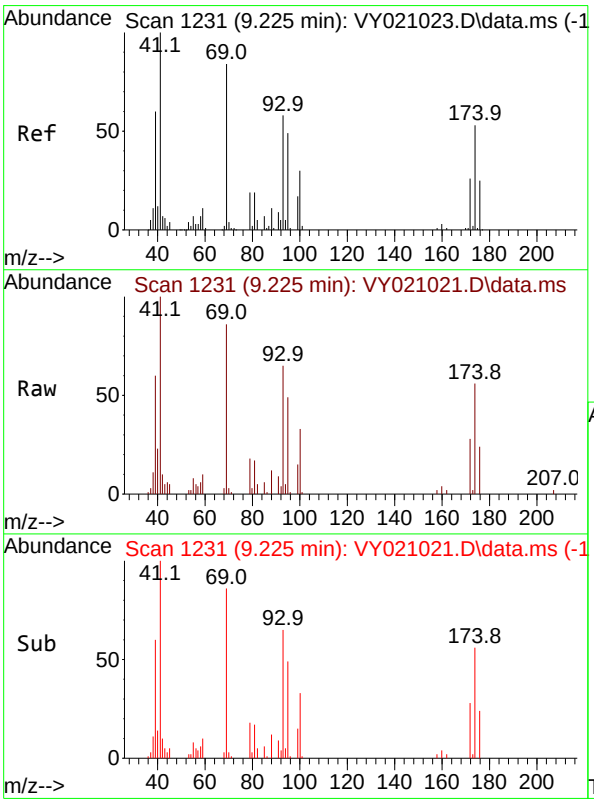
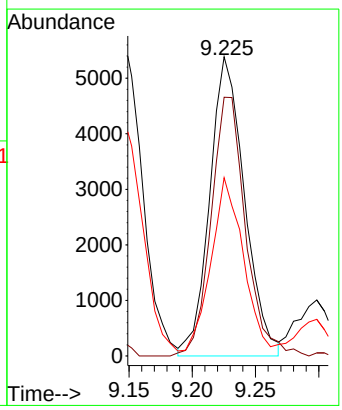
Supervised By :Semsettin Yesilyurt 02/04/2025

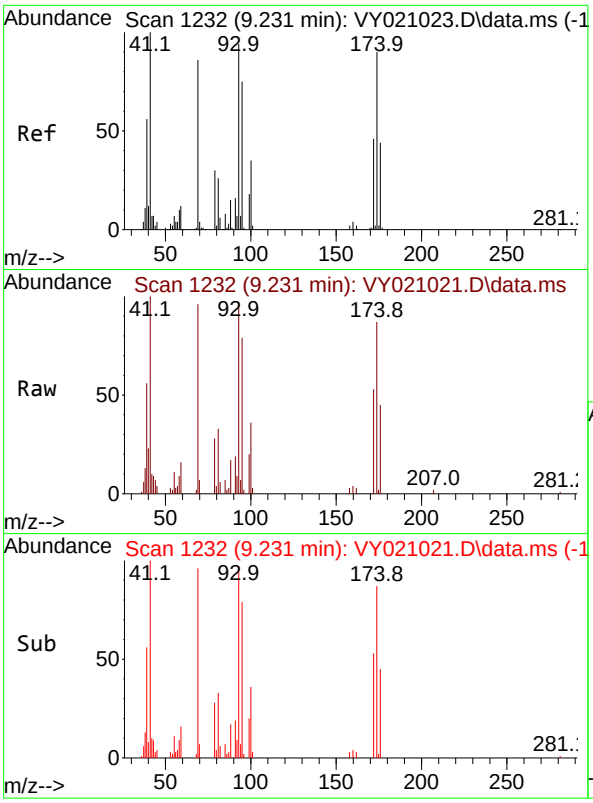


#48
Methyl methacrylate
Concen: 11.866 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 10297

Ion	Ratio	Lower	Upper
41	100		
69	85.7	75.6	113.4
39	54.0	41.3	61.9





#49
1,4-Dioxane
Concen: 188.876 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 88 Resp: 188

Ion	Ratio	Lower	Upper
88	100		
43	39.2	24.2	36.4
58	79.4	57.3	85.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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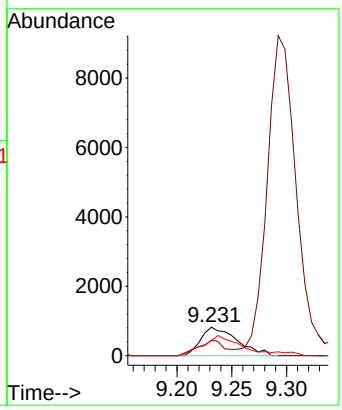
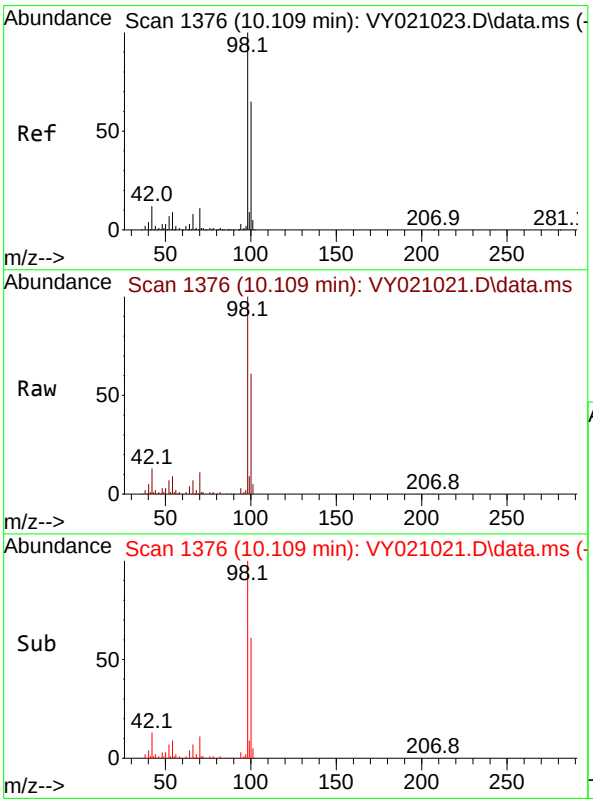
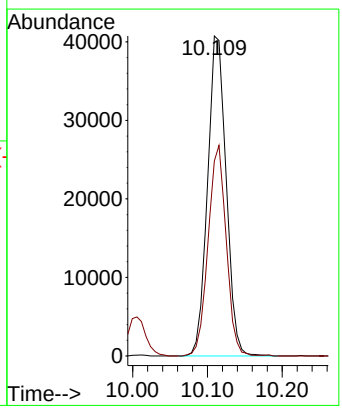


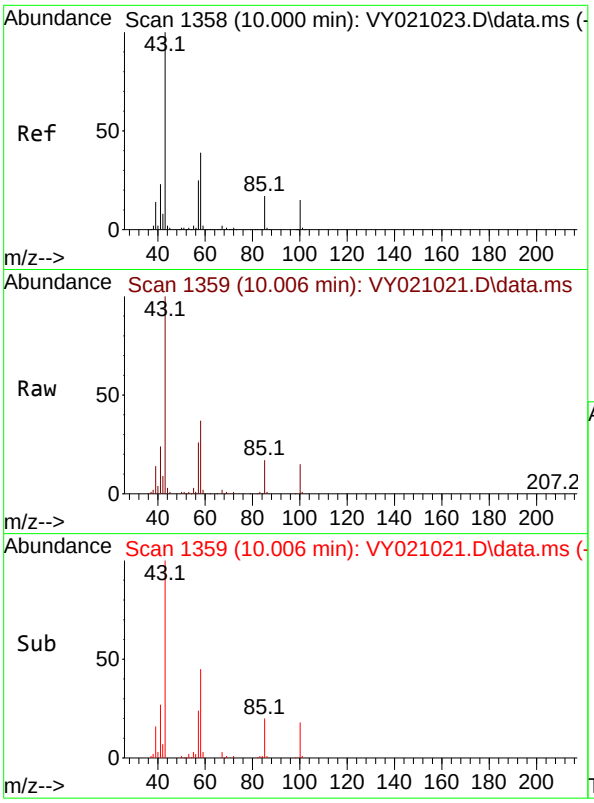


#50
Toluene-d8
Concen: 10.540 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 98 Resp: 70569

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 64.159 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 6008

Ion	Ratio	Lower	Upper
43	100		
58	38.5	33.8	50.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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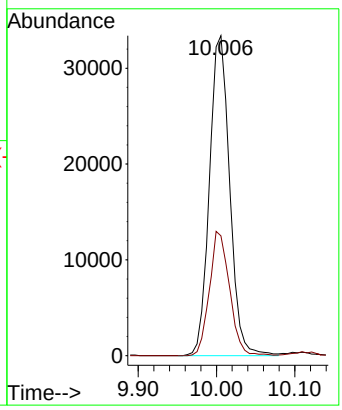
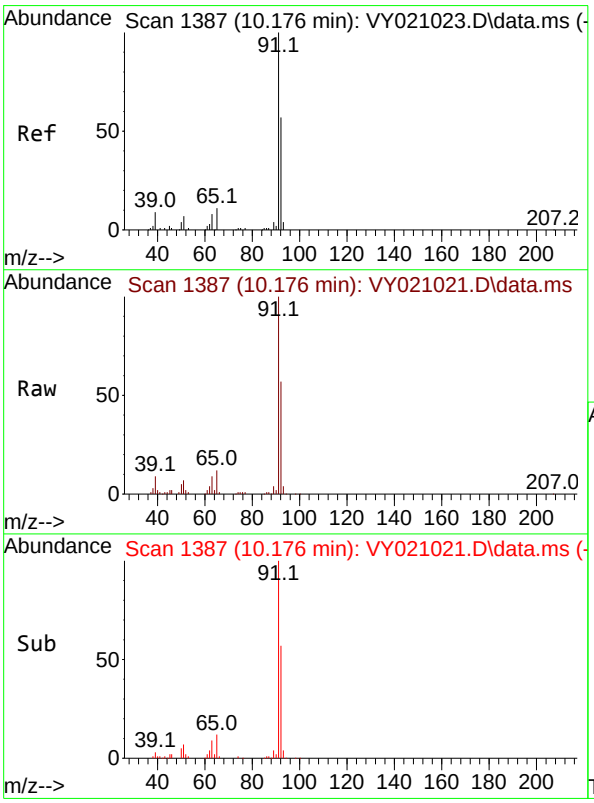
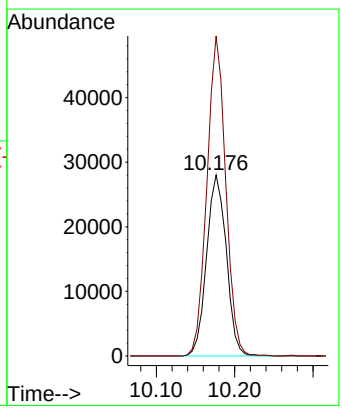


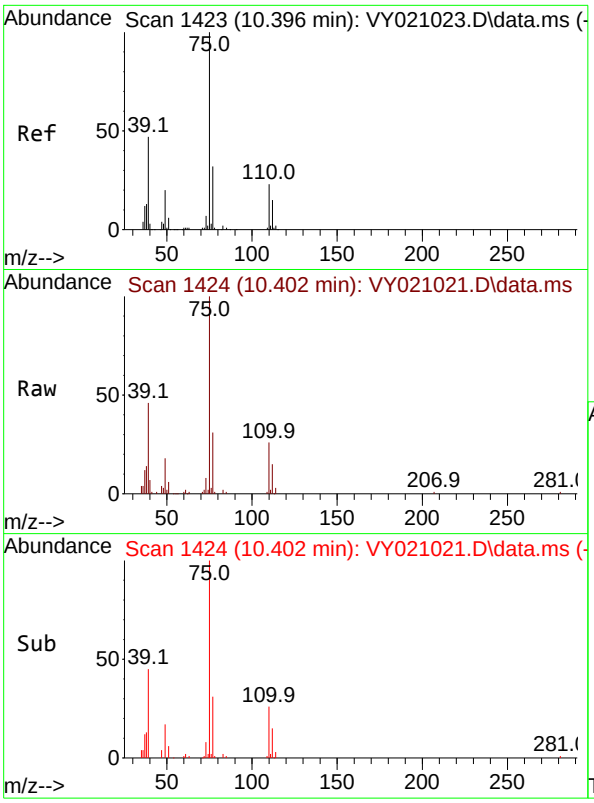


#52
Toluene
Concen: 10.457 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 92 Resp: 48876

Ion	Ratio	Lower	Upper
92	100		
91	168.9	135.8	203.8





#53
t-1,3-Dichloropropene
Concen: 10.888 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2430

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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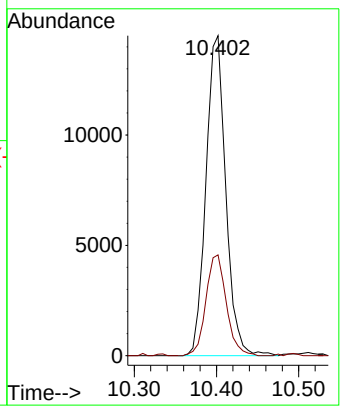
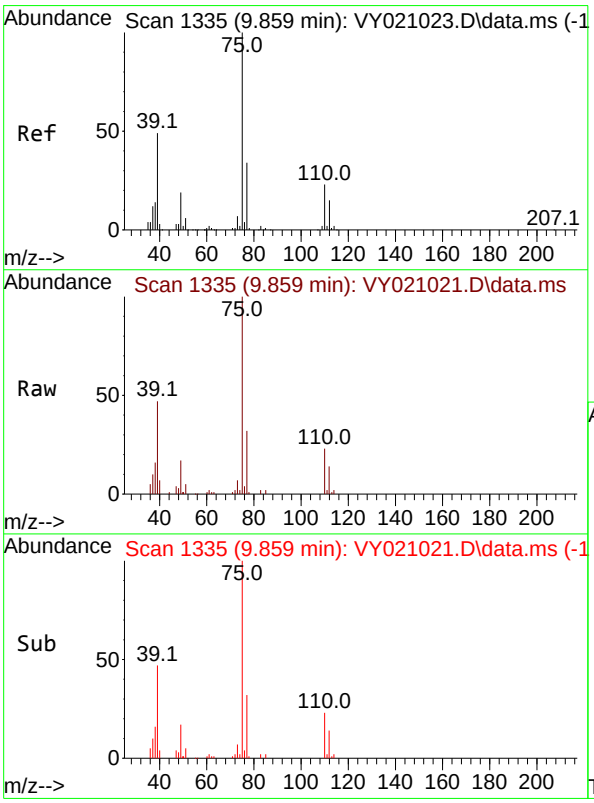
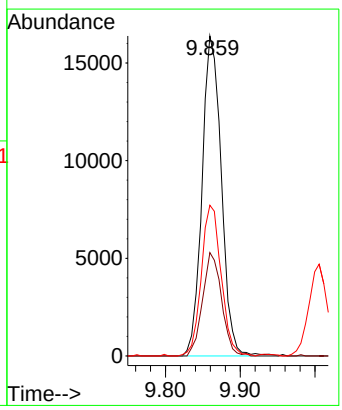


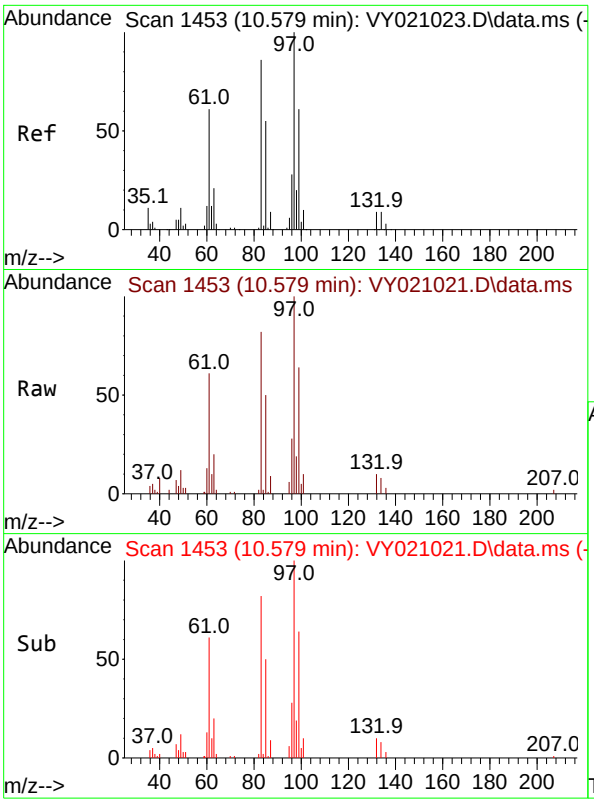


#54
cis-1,3-Dichloropropene
Concen: 11.031 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 29426

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	47.1	32.2	48.2

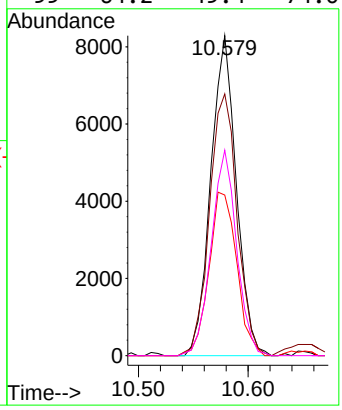




#55
1,1,2-Trichloroethane
Concen: 10.748 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 1342

Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.7	101.5
85	50.2	43.4	65.2
99	64.2	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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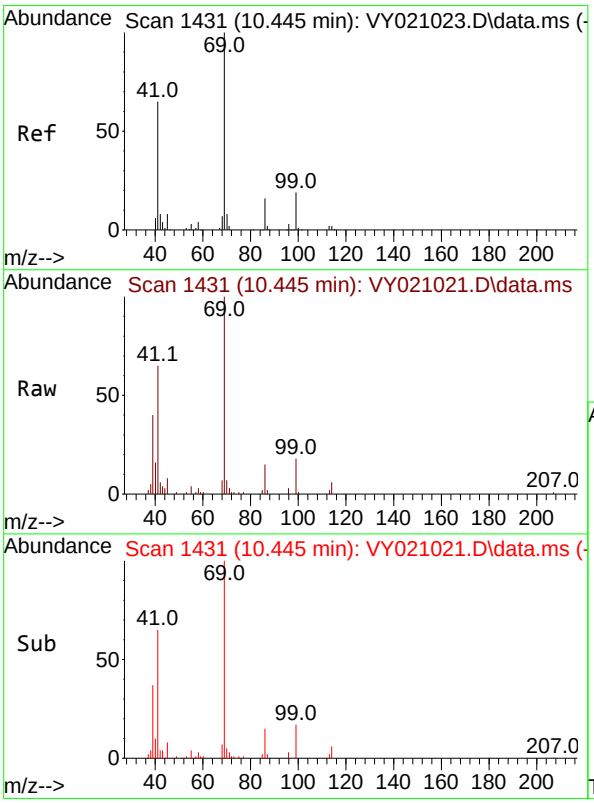
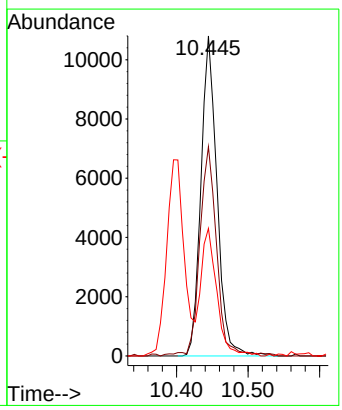
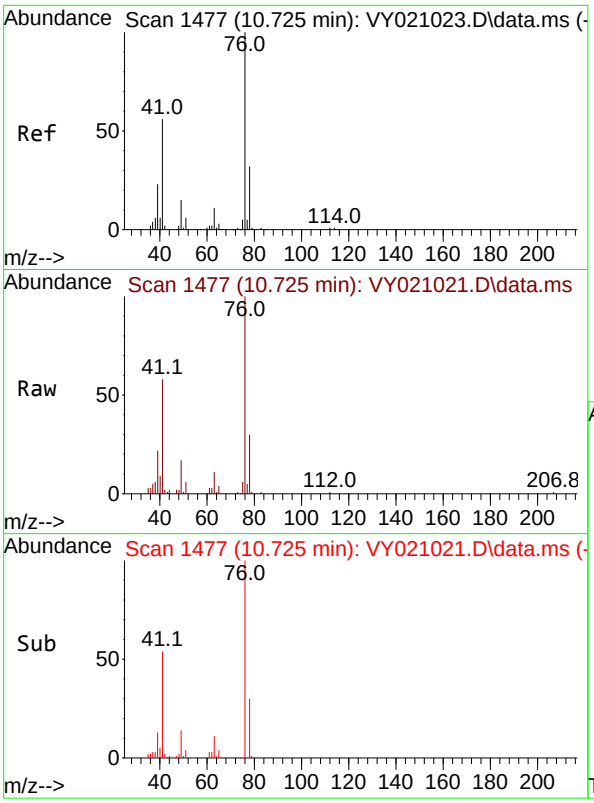


#56
Ethyl methacrylate
Concen: 10.341 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 69 Resp: 16883

Ion	Ratio	Lower	Upper
69	100		
41	68.3	46.3	69.5
39	38.7	24.5	36.7#

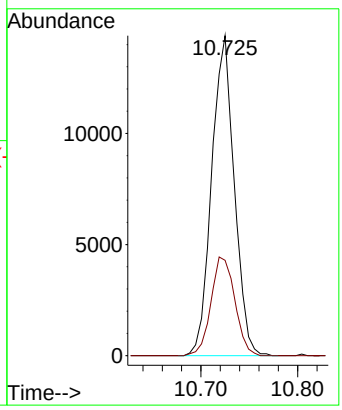




#57
1,3-Dichloropropane
Concen: 11.042 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 76 Resp: 2337

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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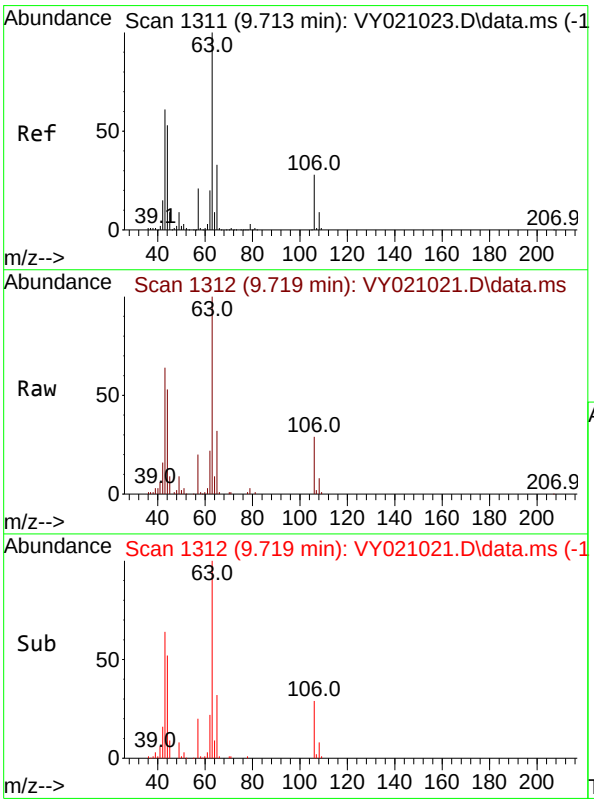
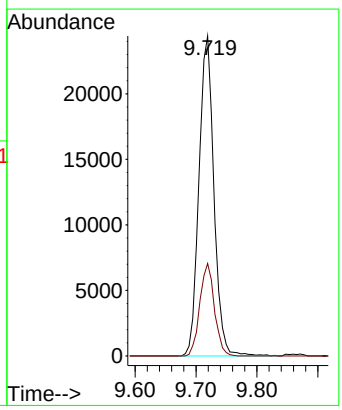
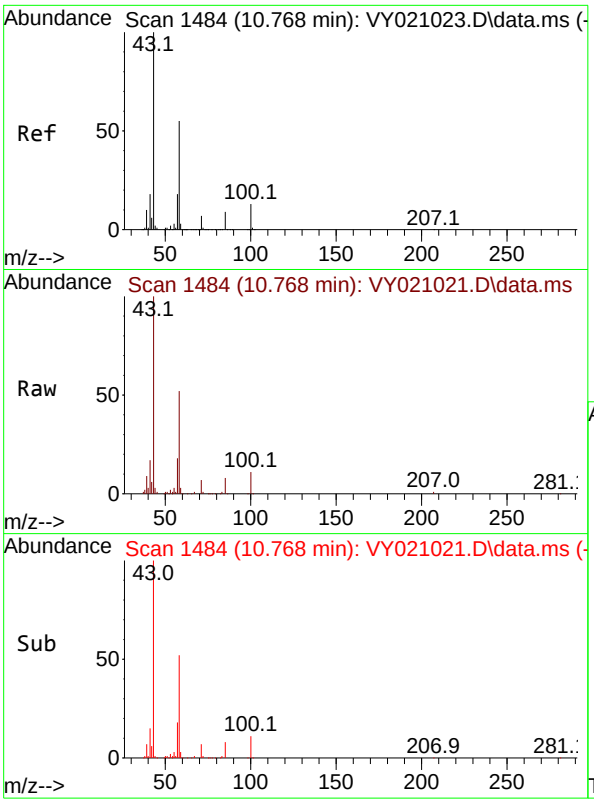


#58
2-Chloroethyl Vinyl ether
Concen: 60.048 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 41611

Ion	Ratio	Lower	Upper
63	100		
106	28.2	24.7	37.1





#59
2-Hexanone
Concen: 61.283 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 3730

Ion	Ratio	Lower	Upper
43	100		
58	52.1	29.8	89.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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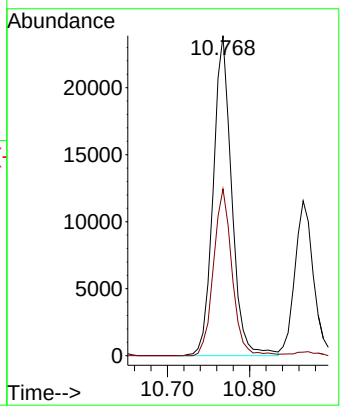
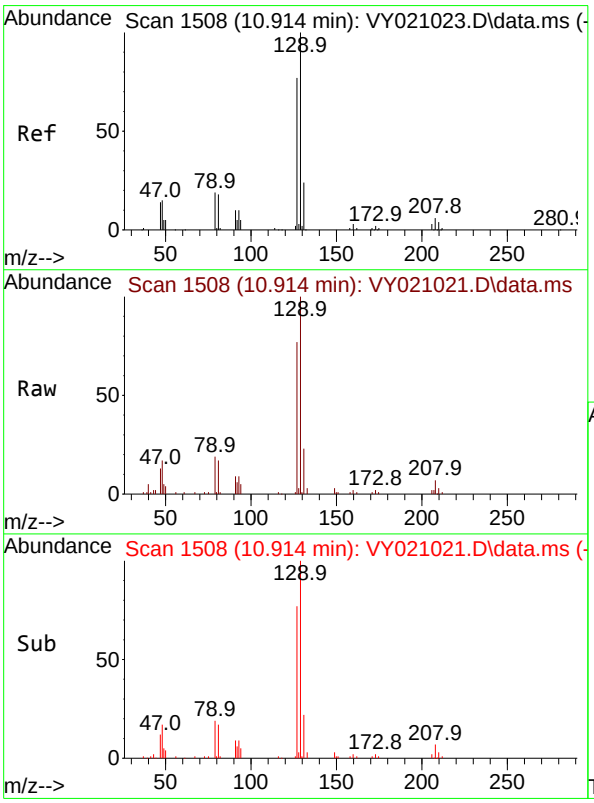
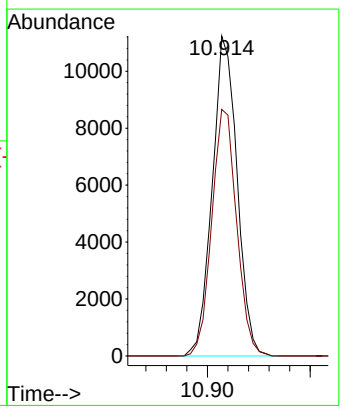


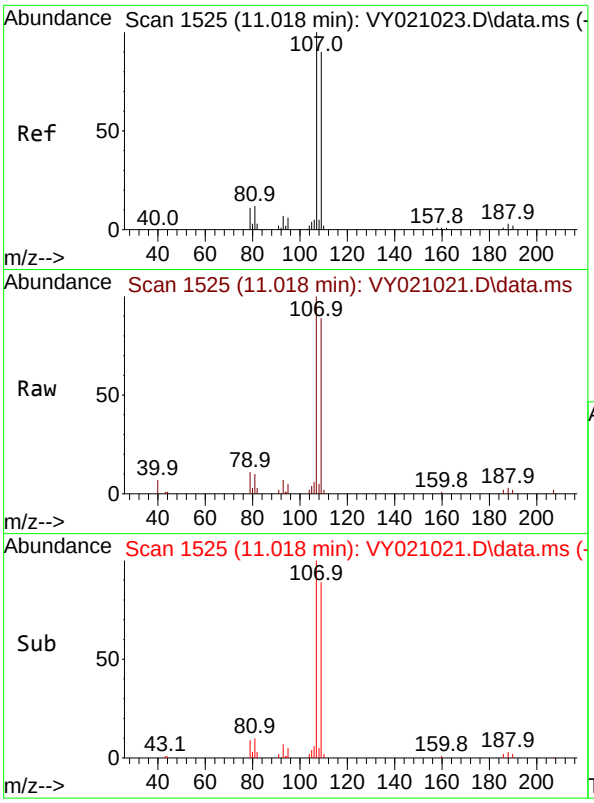


#60
Dibromochloromethane
Concen: 10.585 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:129 Resp: 18851

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3

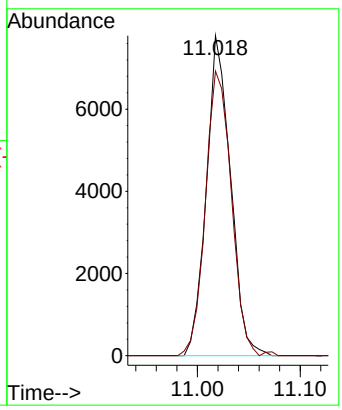




#61
1,2-Dibromoethane
Concen: 10.684 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:107 Resp: 1274

Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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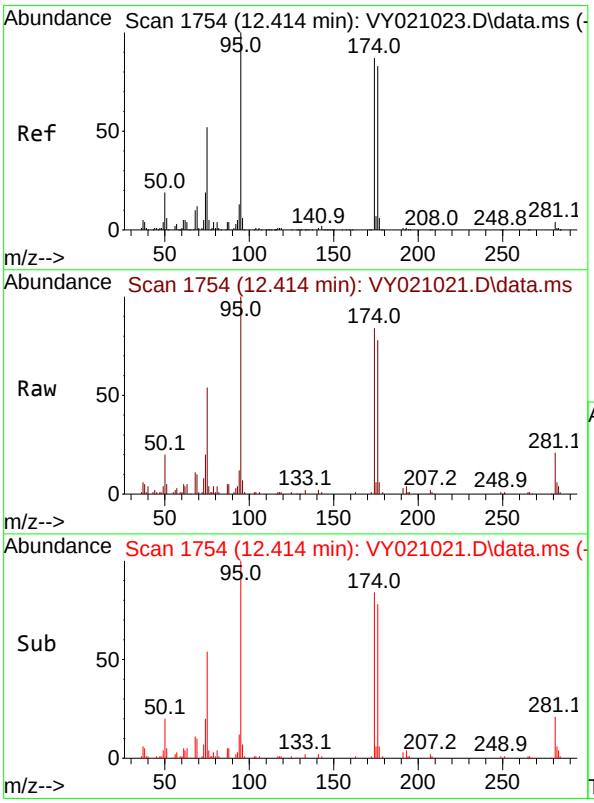
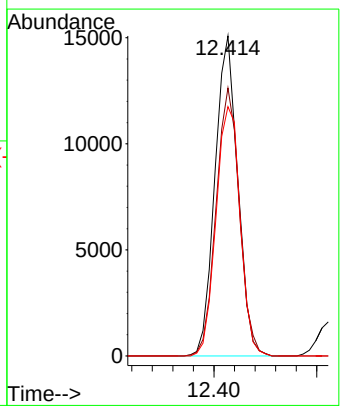
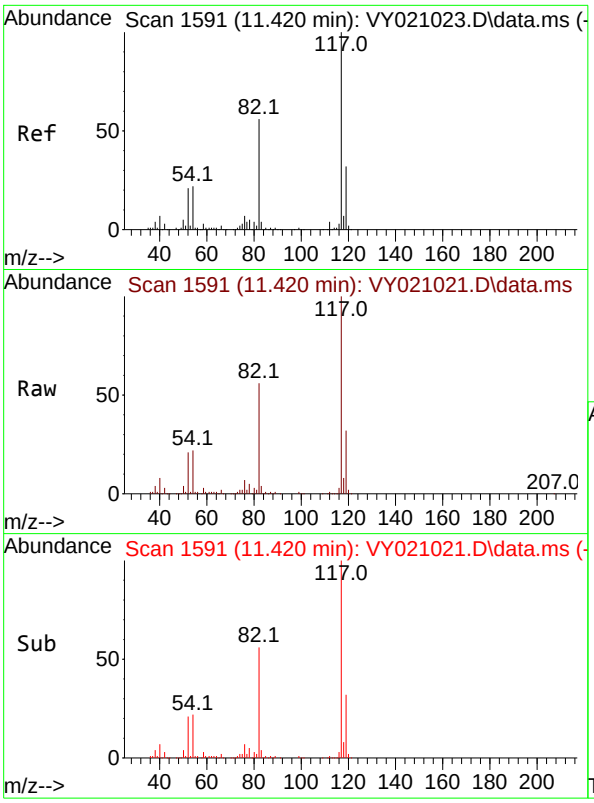


#62
4-Bromofluorobenzene
Concen: 10.362 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 95 Resp: 23279

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	181.2
176	82.2	0.0	175.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 23903

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.2	66.2
119	31.6	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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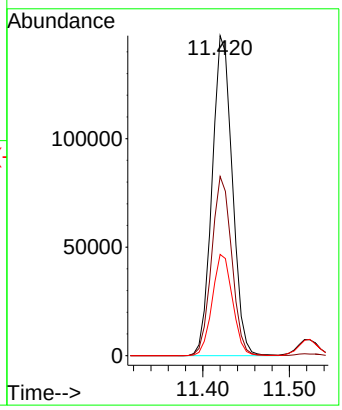
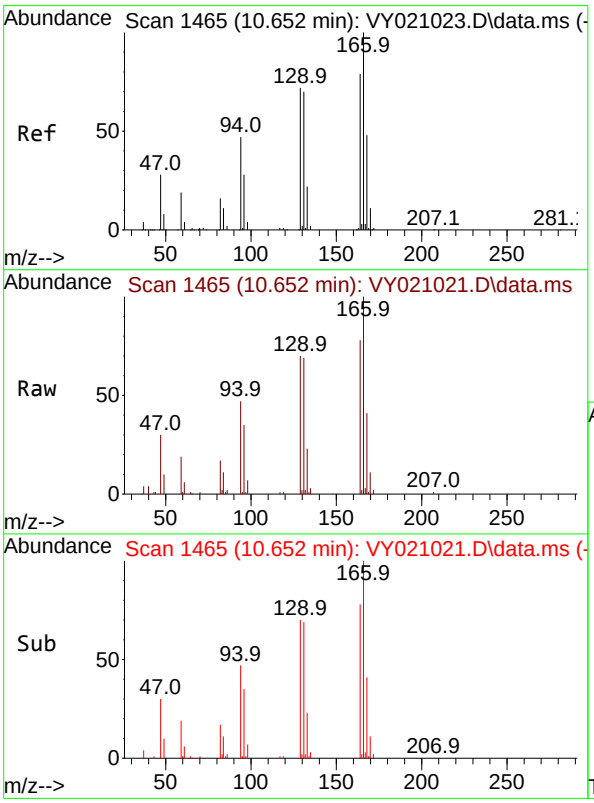
Supervised By :Semsettin Yesilyurt 02/04/2025

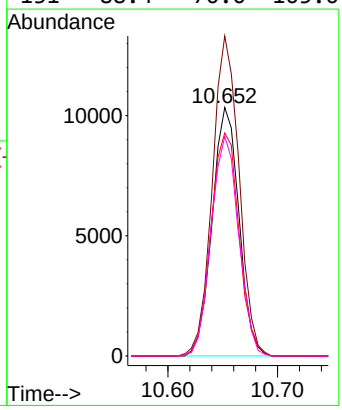


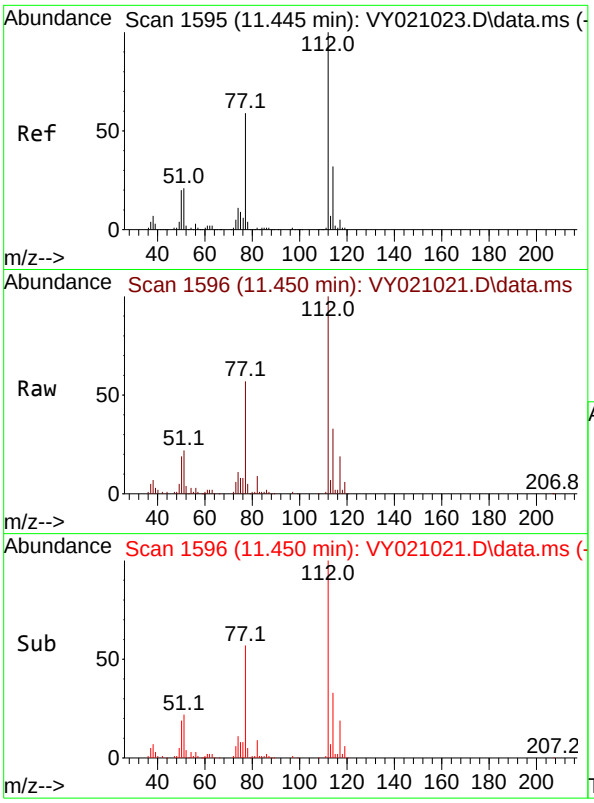


#64
Tetrachloroethene
Concen: 9.730 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:164 Resp: 17544

Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.4	150.6
129	89.8	70.8	106.2
131	88.4	70.0	105.0

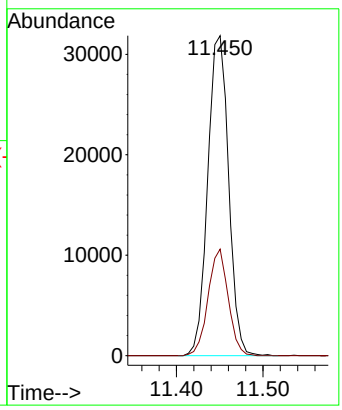




#65
Chlorobenzene
Concen: 10.583 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:112 Resp: 5329

Ion	Ratio	Lower	Upper
112	100		
114	33.3	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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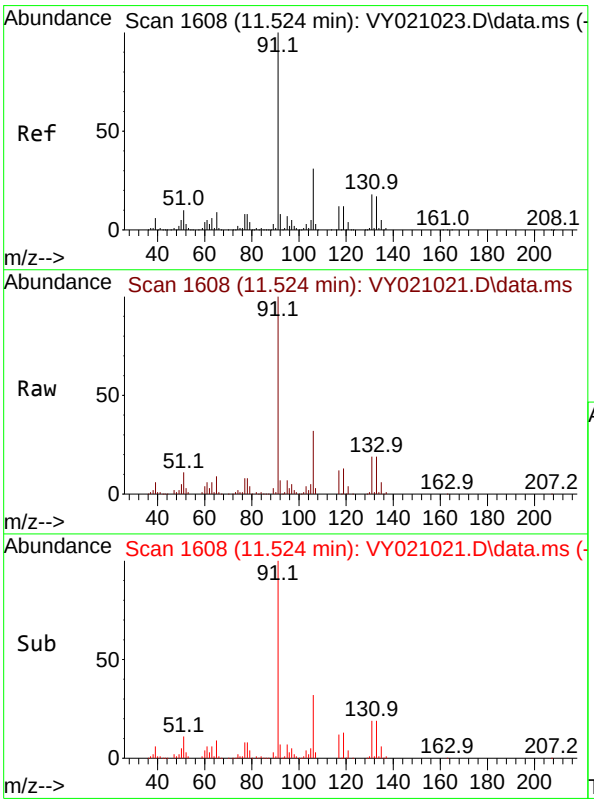
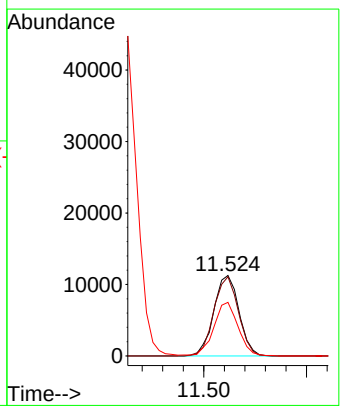
Supervised By :Semsettin Yesilyurt 02/04/2025

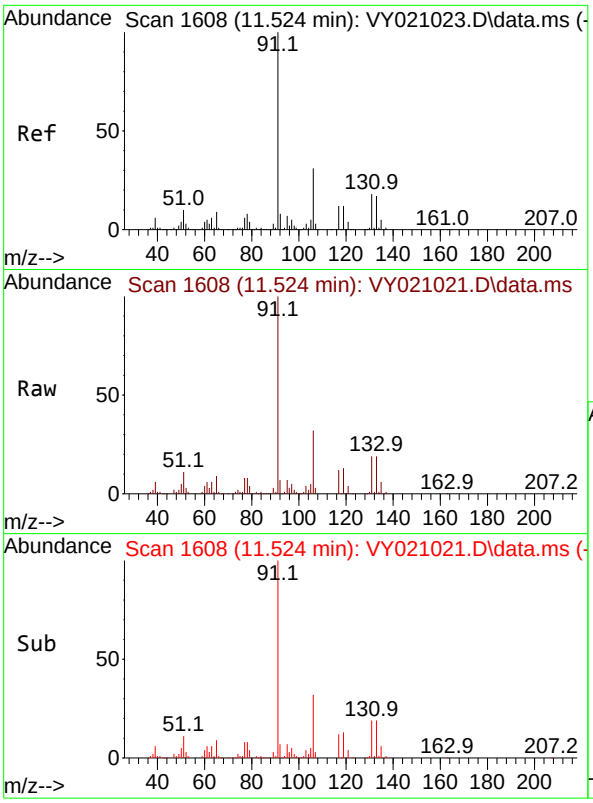


#66
1,1,1,2-Tetrachloroethane
Concen: 10.714 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:131 Resp: 19150

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.7	146.1
119	64.1	31.4	94.3

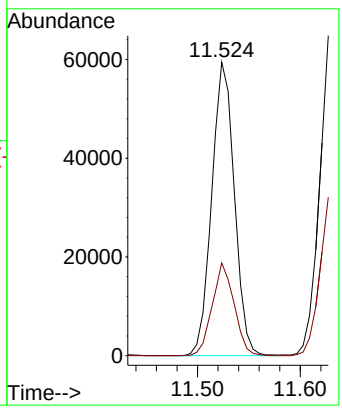




#67
Ethyl Benzene
Concen: 10.411 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 9078

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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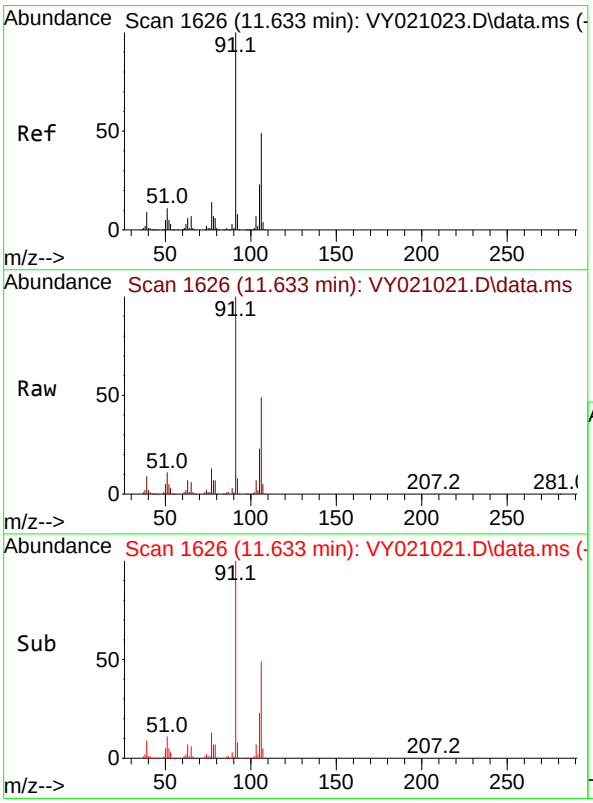
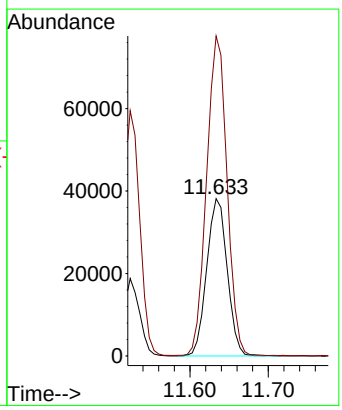
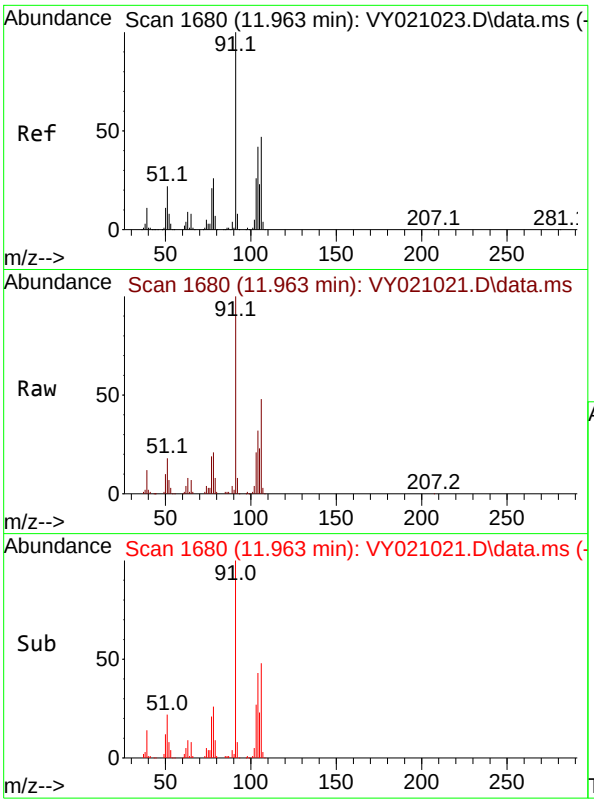


#68
m/p-Xylenes
Concen: 20.624 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 69094

Ion	Ratio	Lower	Upper
106	100		
91	203.2	160.0	240.0

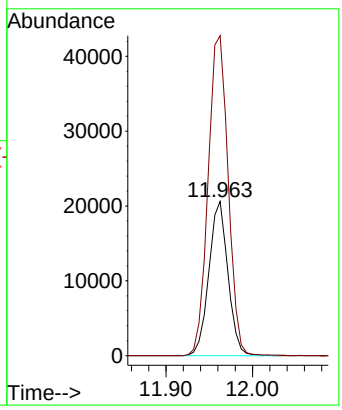




#69
o-Xylene
Concen: 10.106 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 3147

Ion	Ratio	Lower	Upper
106	100		
91	218.6	105.8	317.6



Instrument :
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ClientSampleId :
VSTDICC010

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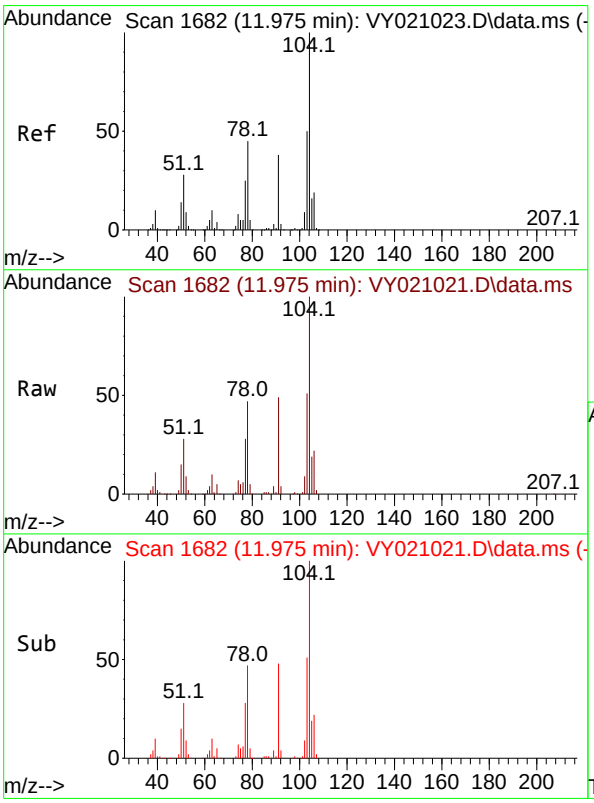
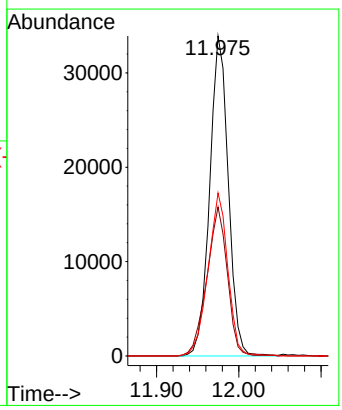
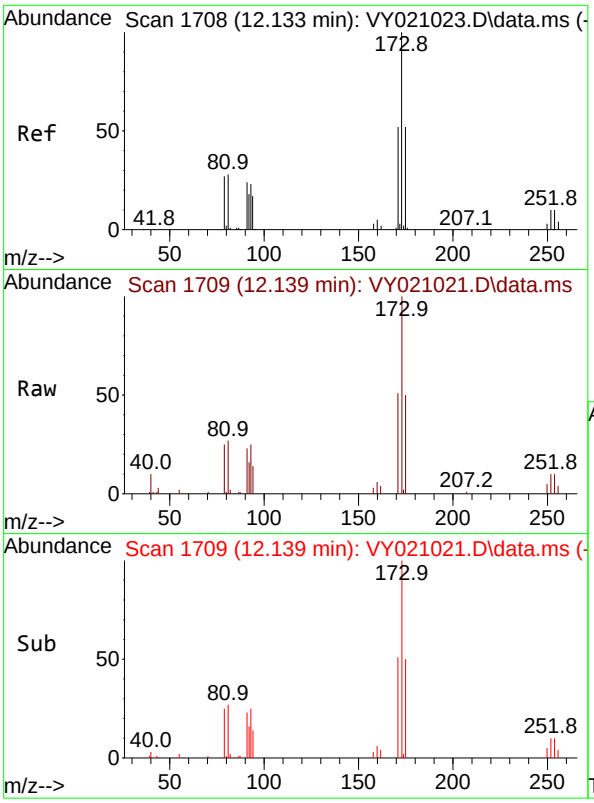


#70
Styrene
Concen: 10.334 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:104 Resp: 53436

Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.0	58.4
103	54.3	43.7	65.5

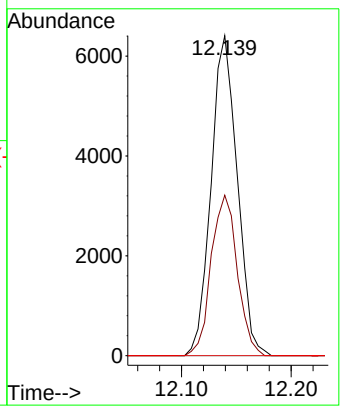




#71
Bromoform
Concen: 10.088 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:173 Resp: 1062

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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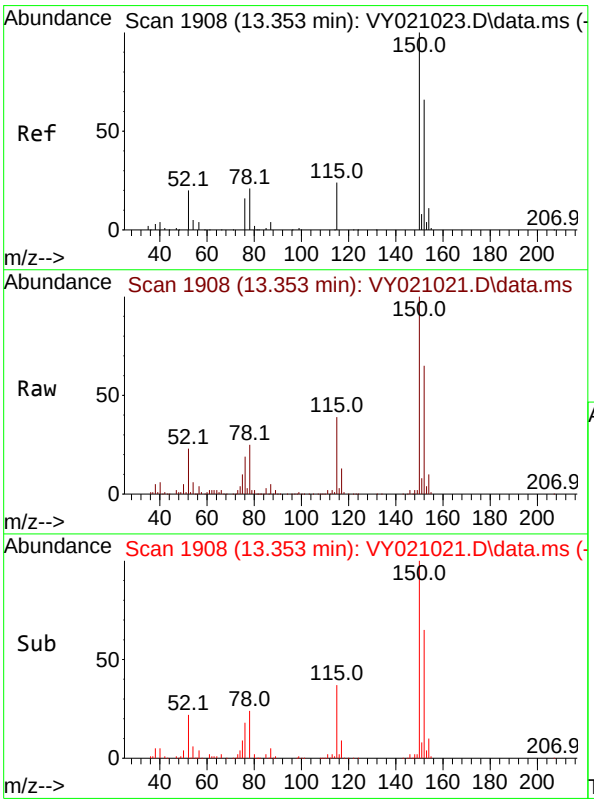
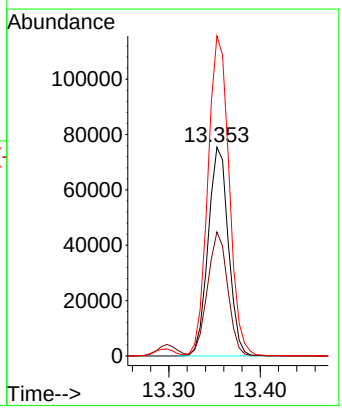
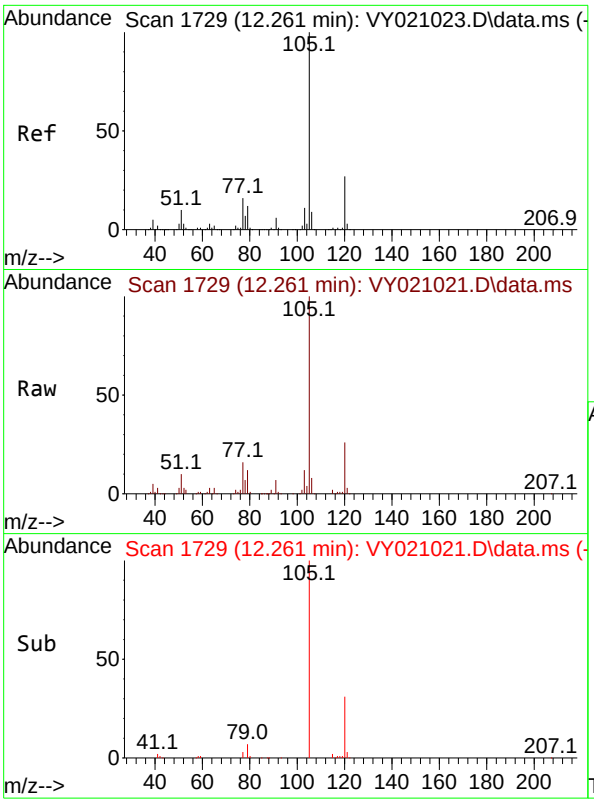


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:152 Resp: 115682

Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.4	85.2
150	161.1	0.0	342.8

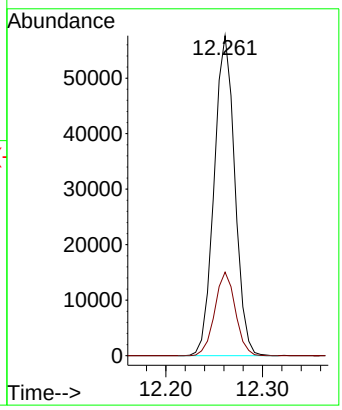




#73
Isopropylbenzene
Concen: 10.522 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 8549

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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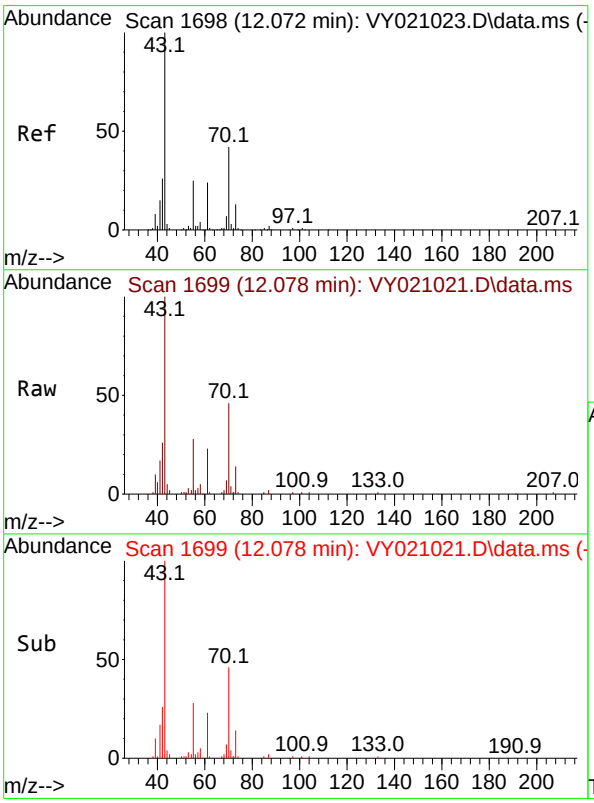
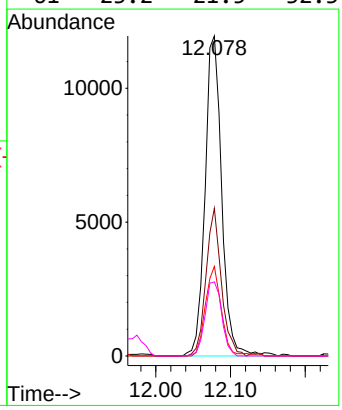
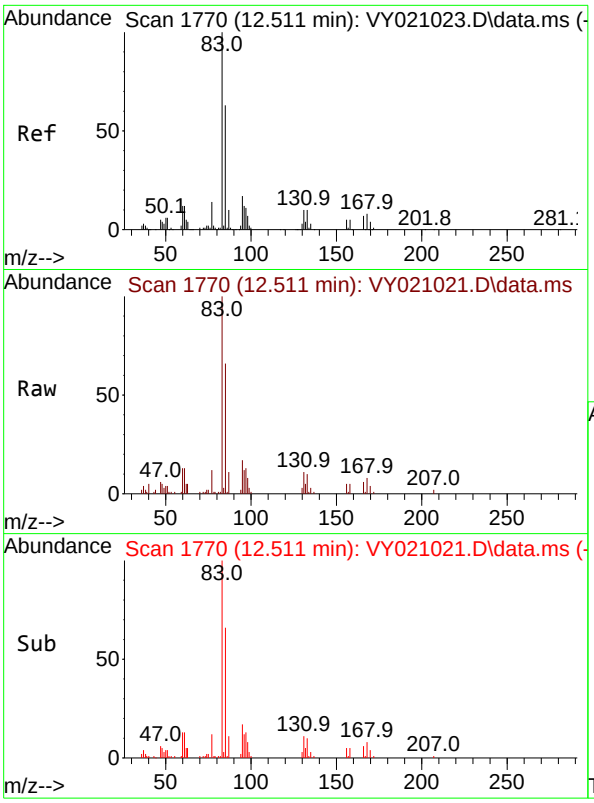


#74
N-amyl acetate
Concen: 12.524 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 18529

Ion	Ratio	Lower	Upper
43	100		
70	42.6	39.3	58.9
55	27.0	22.3	33.5
61	23.2	21.5	32.3





#75
1,1,2,2-Tetrachloroethane
Concen: 11.393 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 1494

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.7	17.1
85	65.5	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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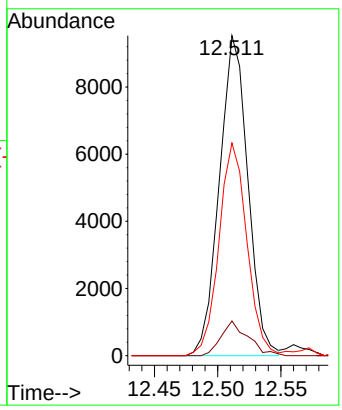
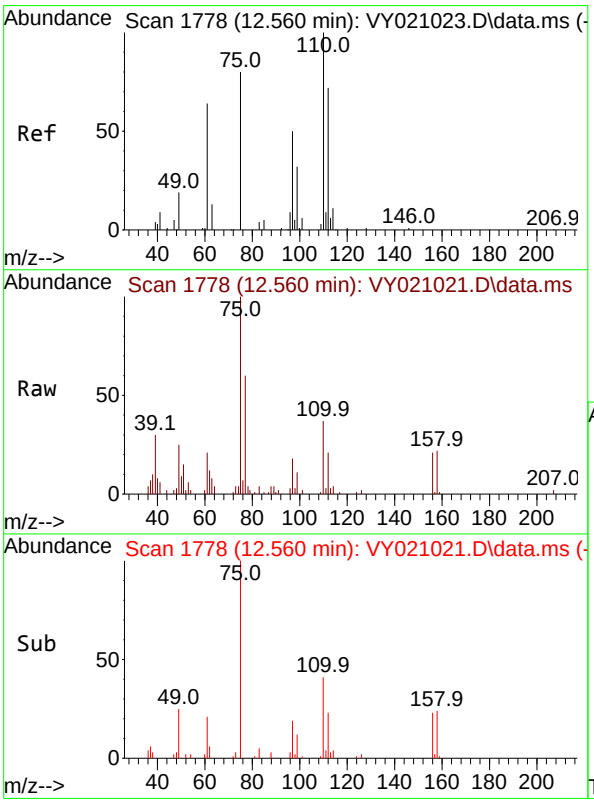
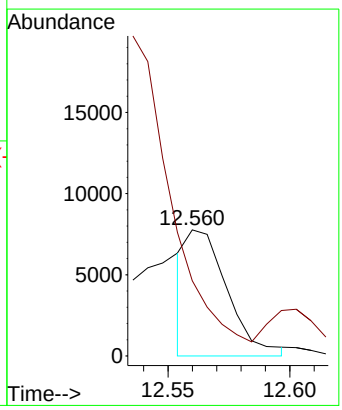


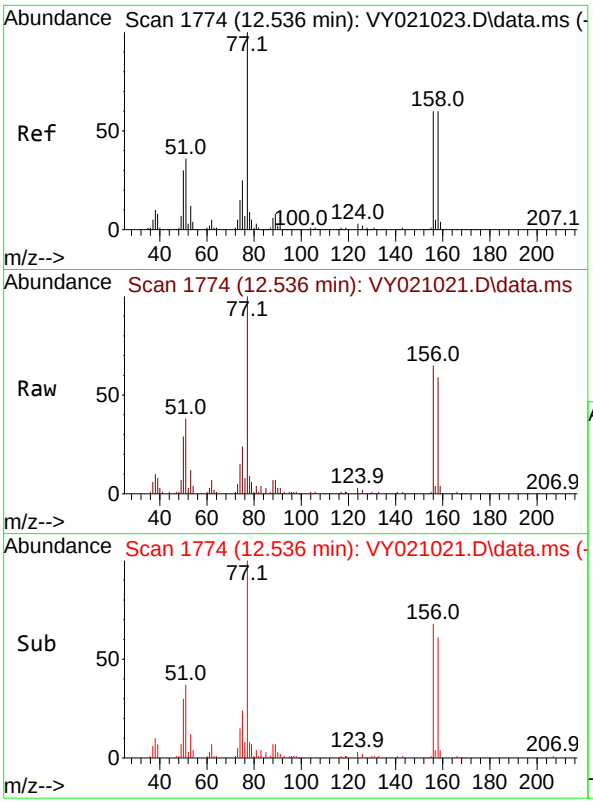


#76
1,2,3-Trichloropropane
Concen: 9.926 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 9090

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

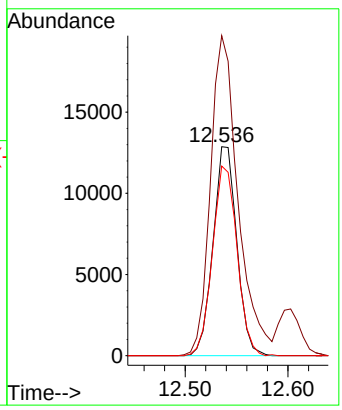




#77
Bromobenzene
Concen: 10.712 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:156 Resp: 2063

Ion	Ratio	Lower	Upper
156	100		
77	177.9	83.3	249.9
158	94.0	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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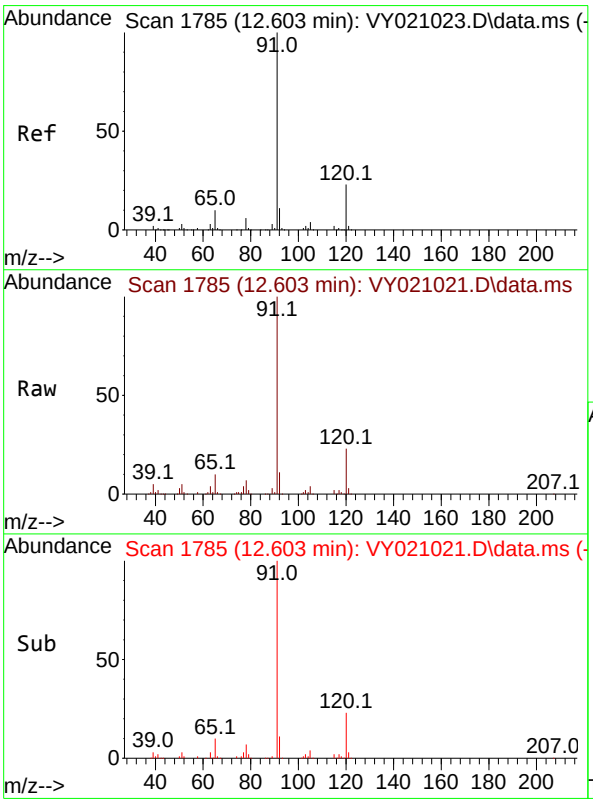
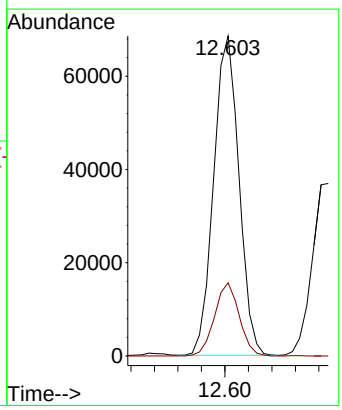
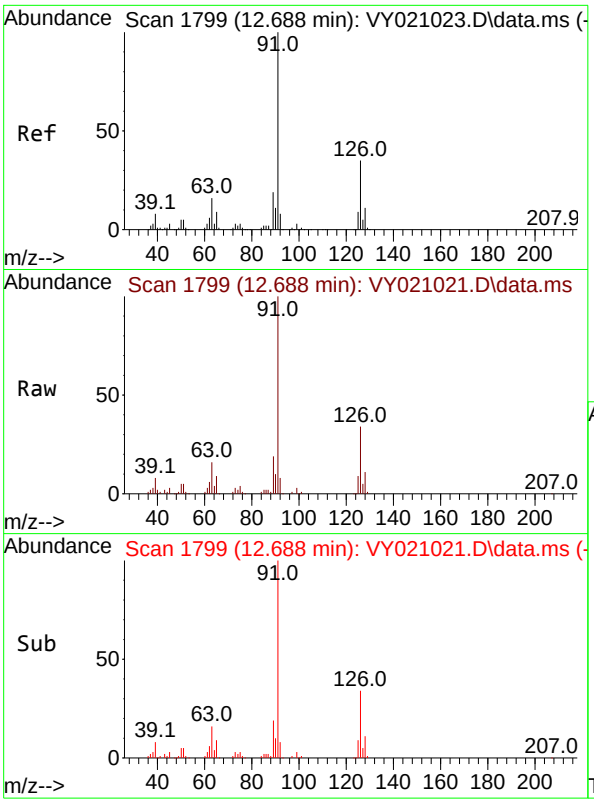


#78
n-propylbenzene
Concen: 10.738 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 102250

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.8	35.4

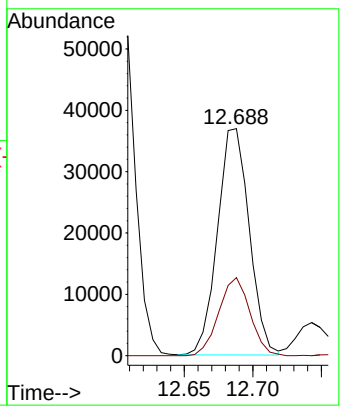




#79
2-Chlorotoluene
Concen: 10.991 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 5963

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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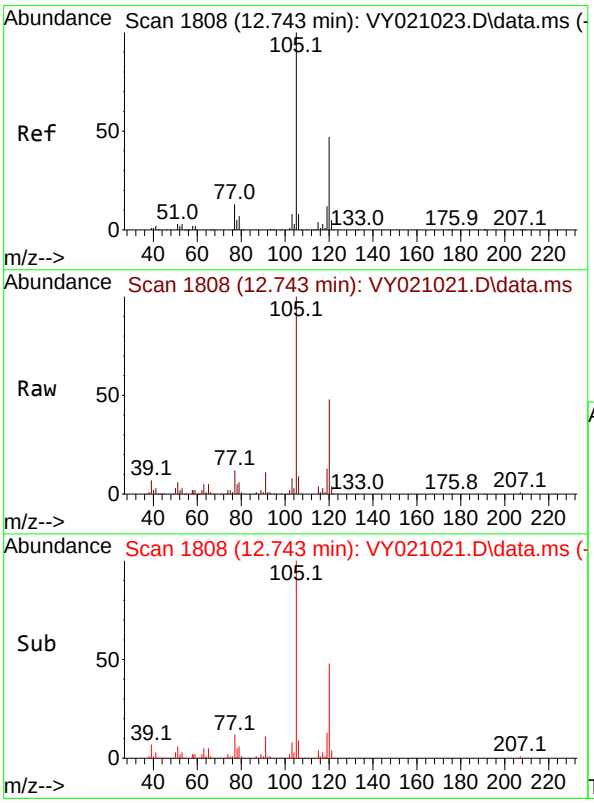
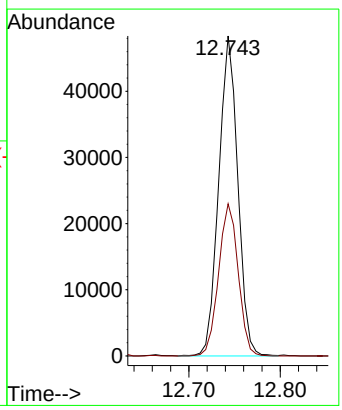
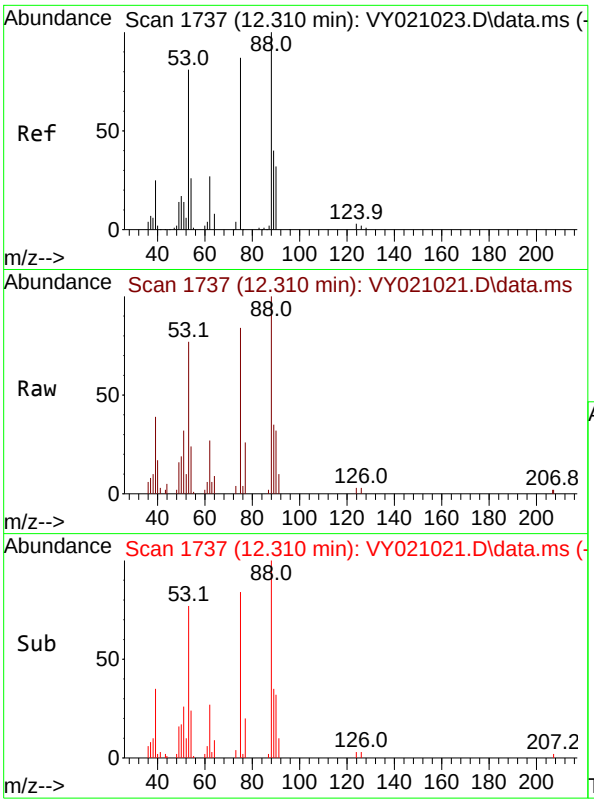


#80
1,3,5-Trimethylbenzene
Concen: 10.541 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 70161

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 11.842 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 522

Ion	Ratio	Lower	Upper
75	100		
53	94.9	68.6	103.0
89	43.8	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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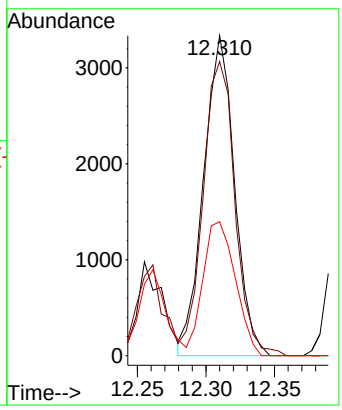
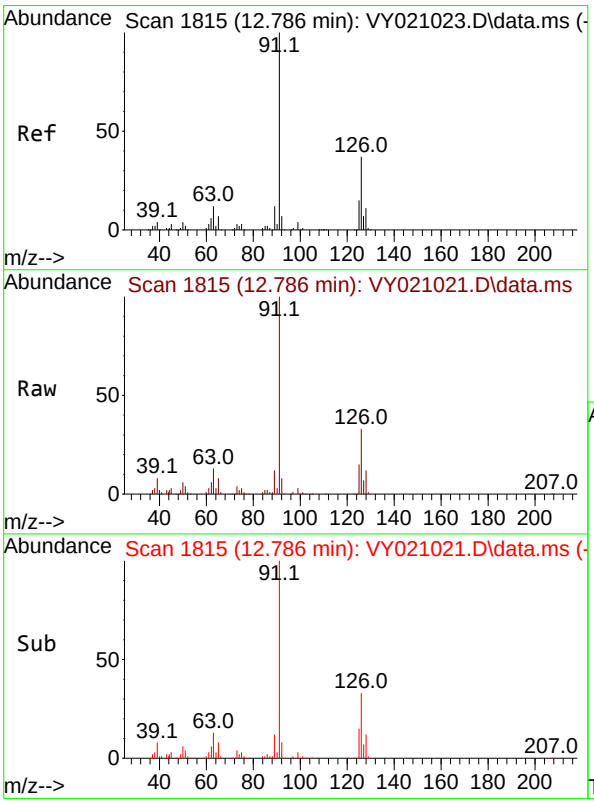
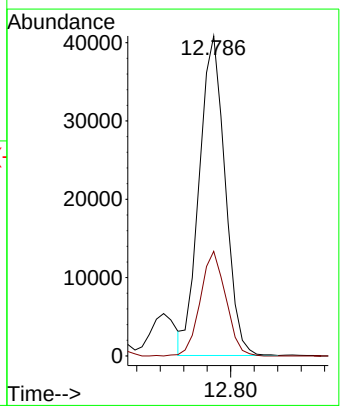


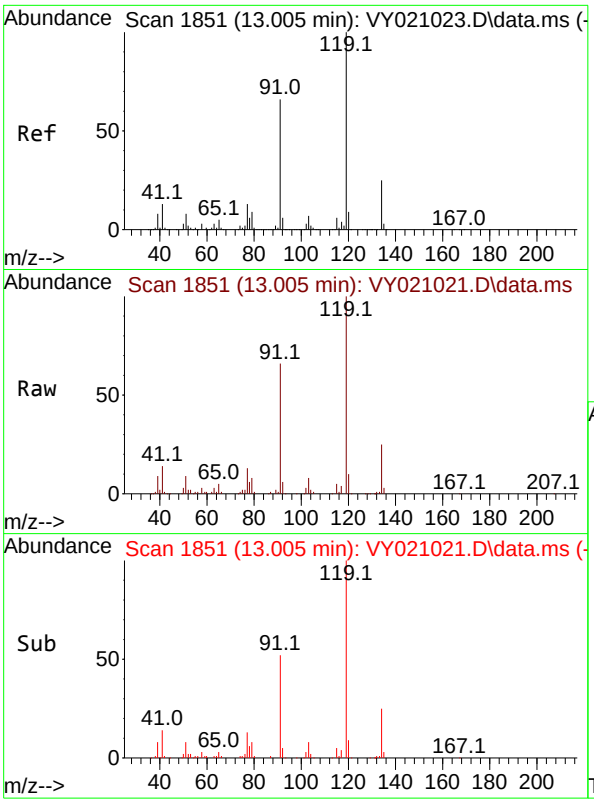


#82
4-Chlorotoluene
Concen: 11.217 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 62279

Ion	Ratio	Lower	Upper
91	100		
126	32.3	17.3	52.0

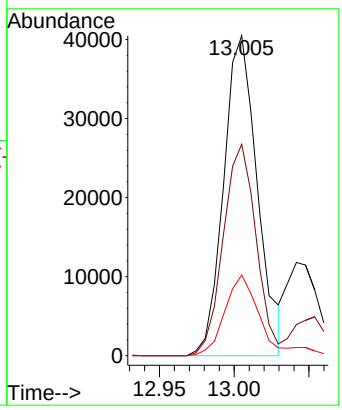




#83
tert-Butylbenzene
Concen: 10.287 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 6350

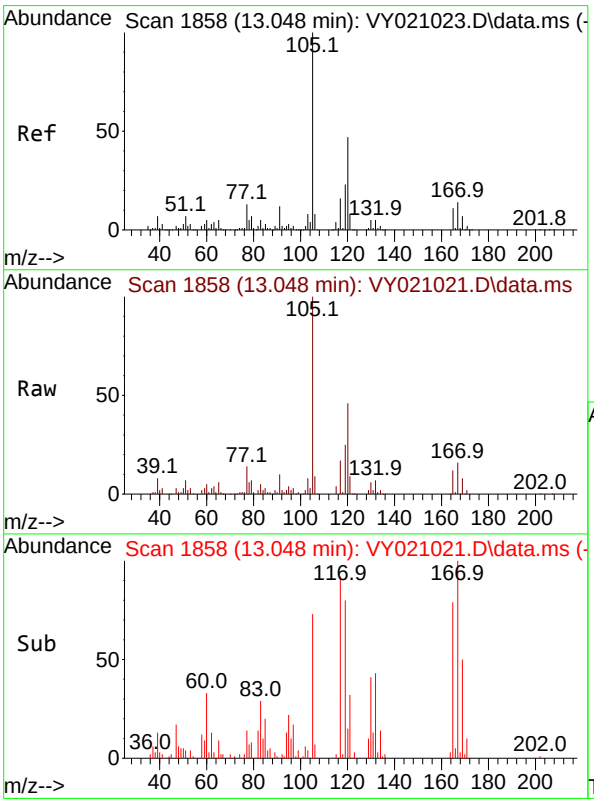
Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.4	94.0
134	26.7	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

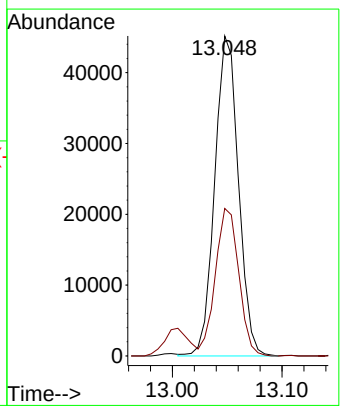
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

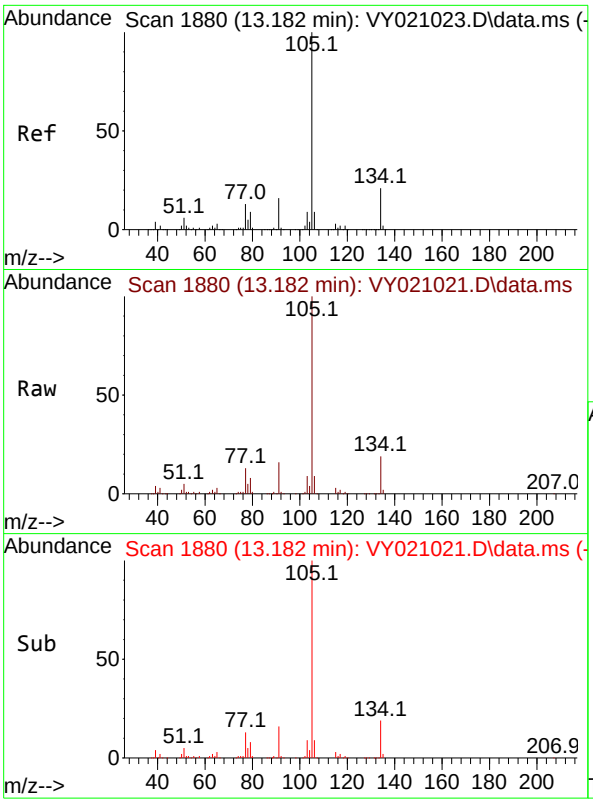


#84
1,2,4-Trimethylbenzene
Concen: 10.444 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 67906

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.0

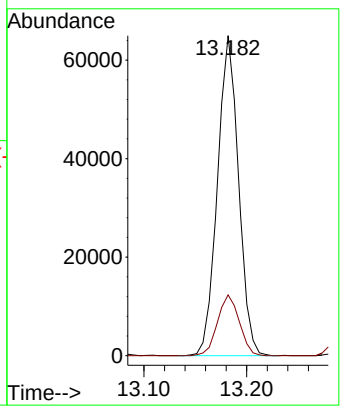




#85
sec-Butylbenzene
Concen: 10.596 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 9261

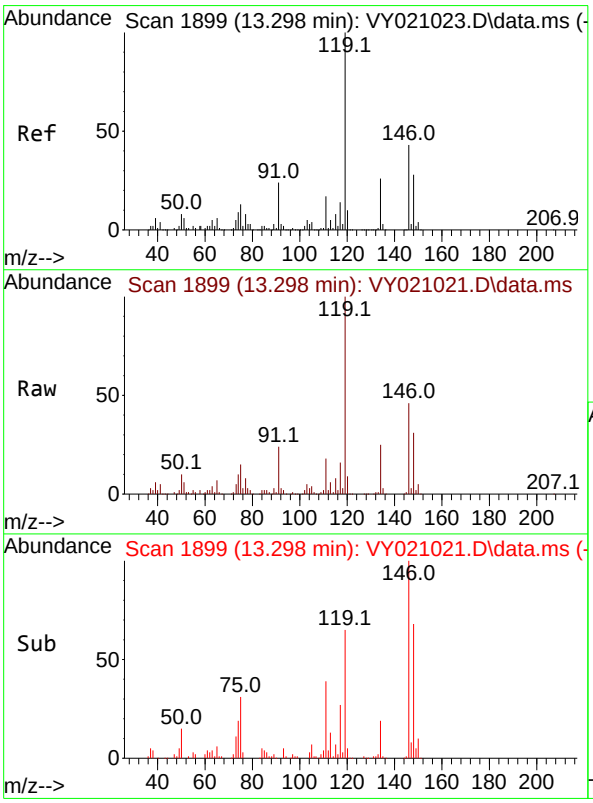
Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

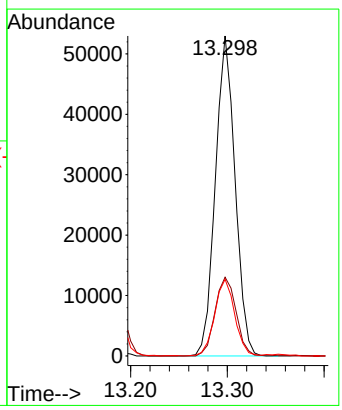
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

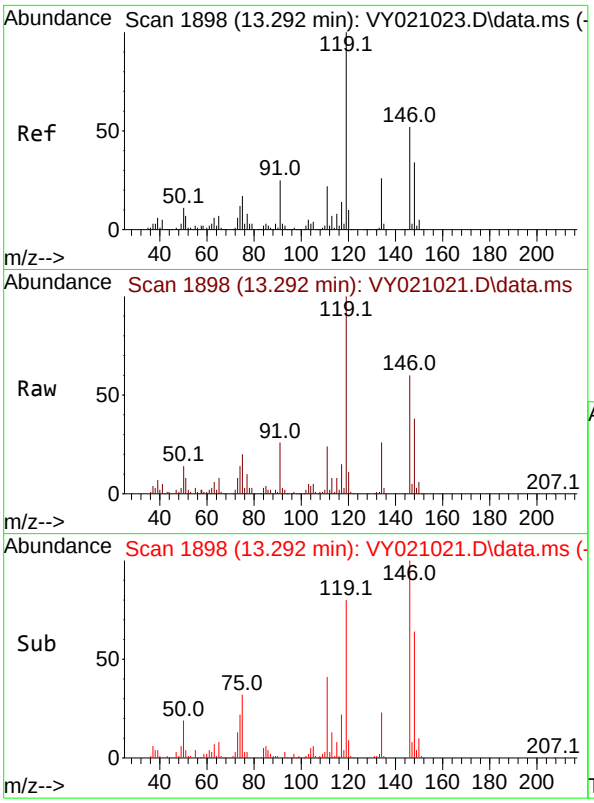


#86
p-Isopropyltoluene
Concen: 10.196 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 74892

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	24.4	11.5	34.5

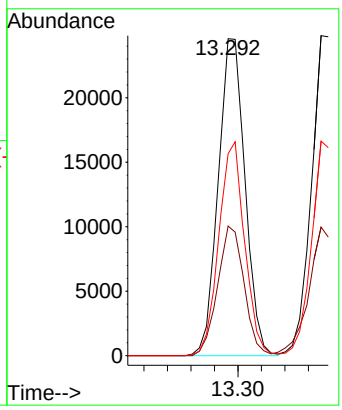




#87
1,3-Dichlorobenzene
Concen: 10.388 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 3901

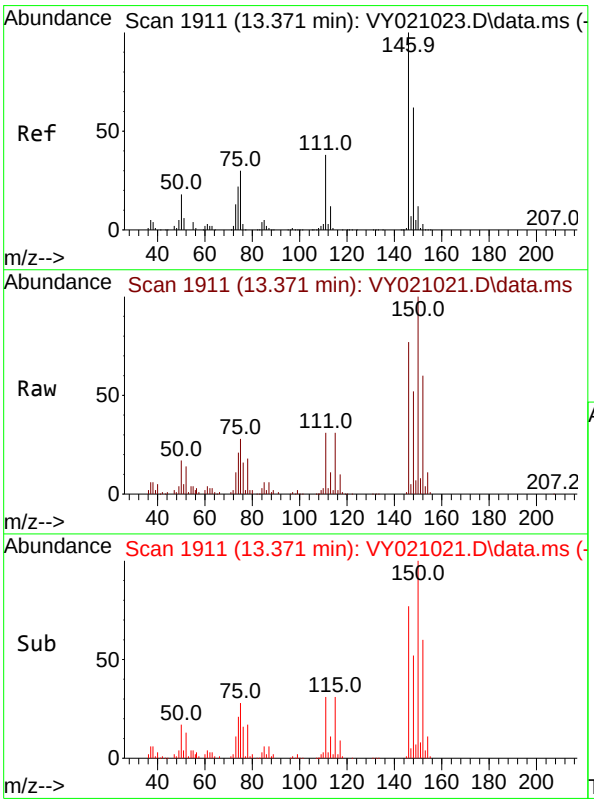
Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.1
148	64.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

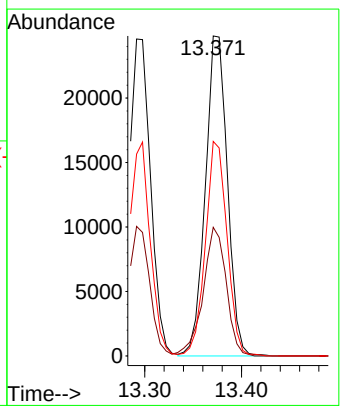
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

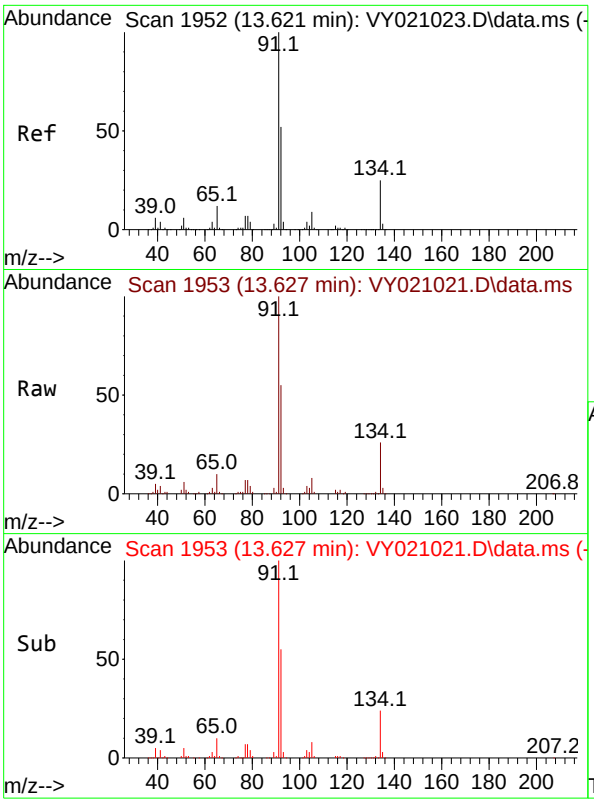


#88
1,4-Dichlorobenzene
Concen: 10.559 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 39379

Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.0	57.0
148	65.8	31.6	95.0

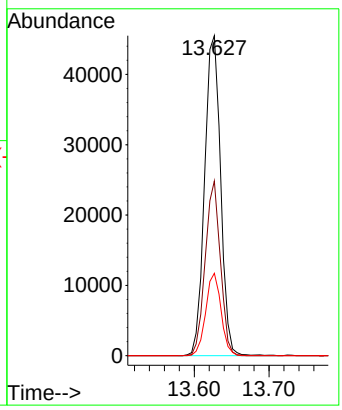




#89
n-Butylbenzene
Concen: 10.280 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 6763

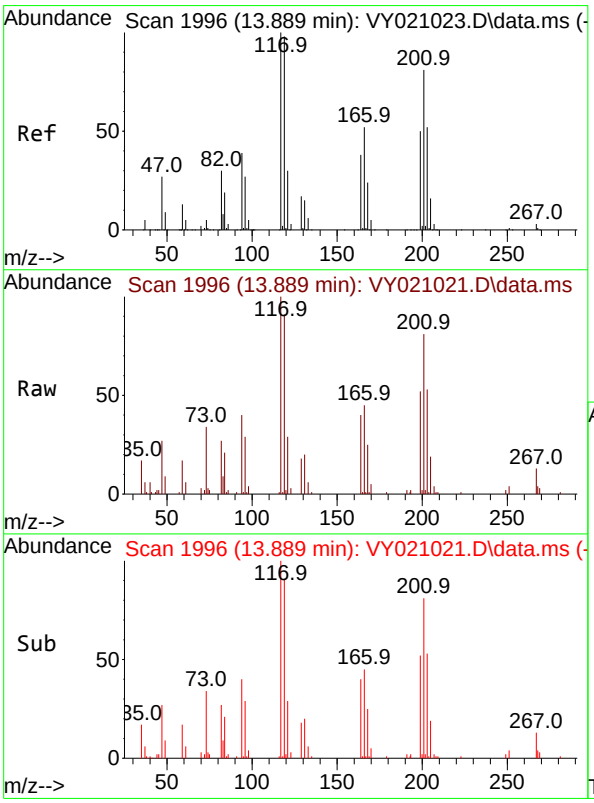
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.7	80.1
134	24.6	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

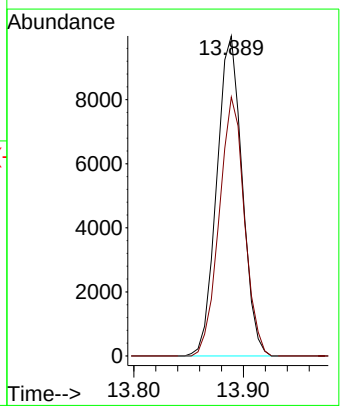
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

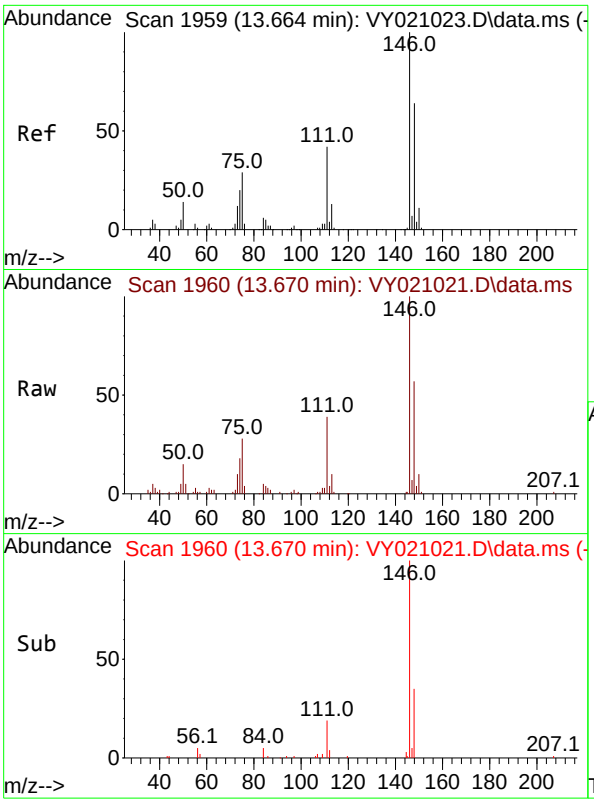


#90
Hexachloroethane
Concen: 10.788 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 16030

Ion	Ratio	Lower	Upper
117	100		
201	80.4	42.5	127.5

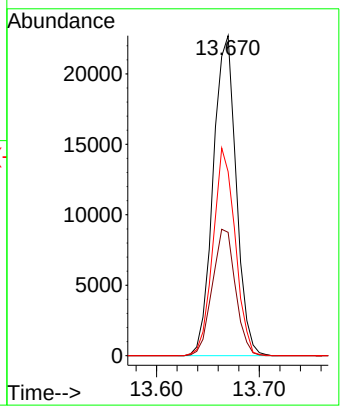




#91
1,2-Dichlorobenzene
Concen: 10.763 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 3525

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	62.4	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
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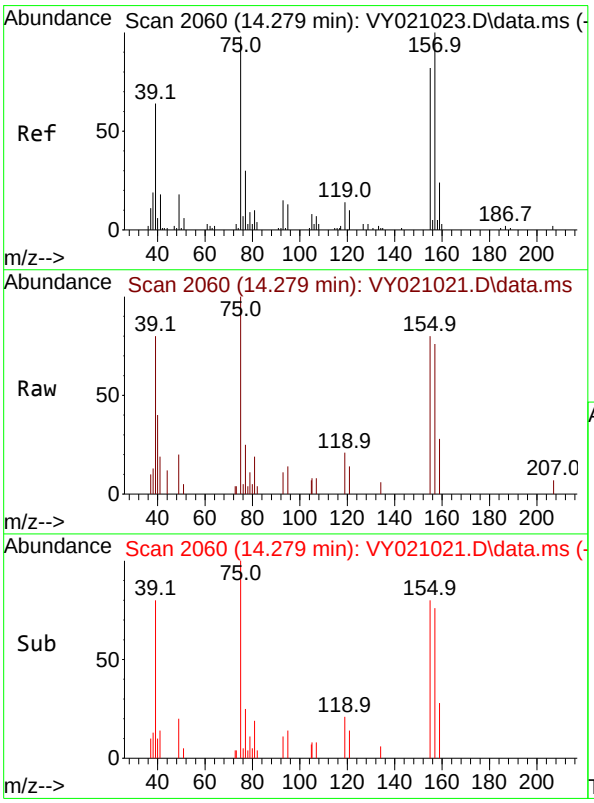
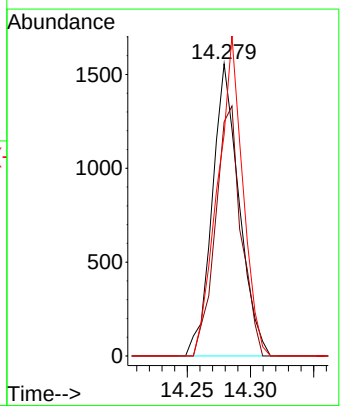
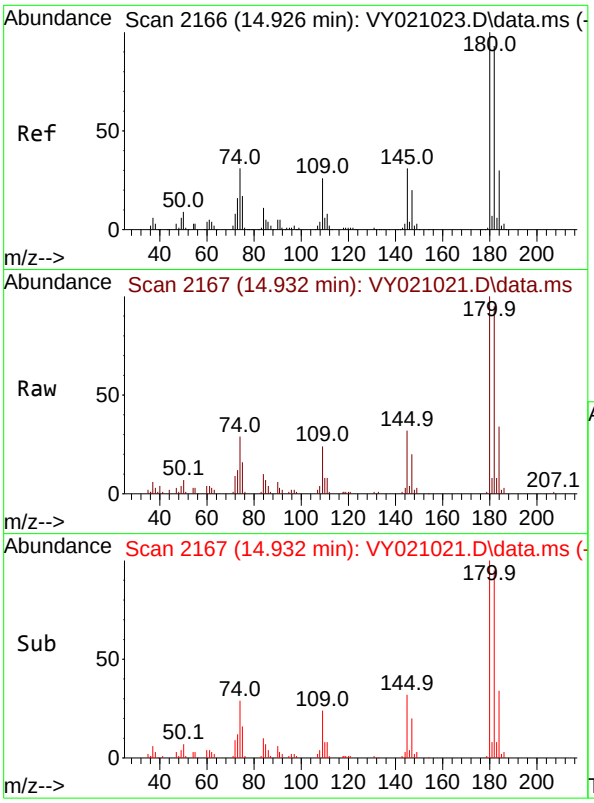


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.372 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2296

Ion	Ratio	Lower	Upper
75	100		
155	82.0	45.9	137.6
157	102.7	59.3	177.9

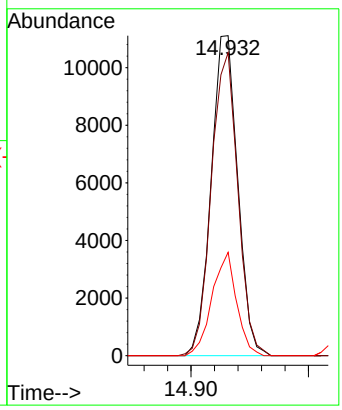




#93
1,2,4-Trichlorobenzene
Concen: 8.702 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 1745

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.8
145	29.9	15.3	45.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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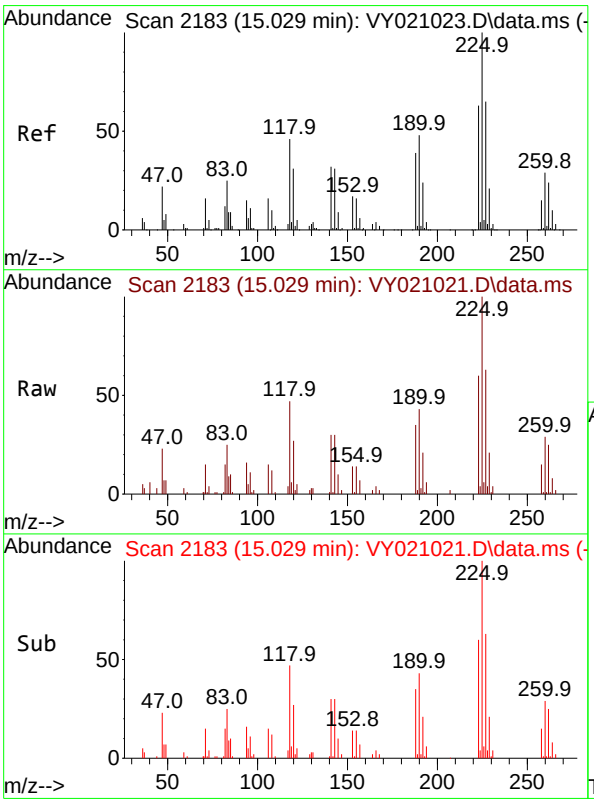
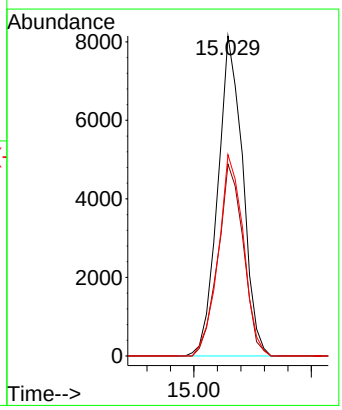
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

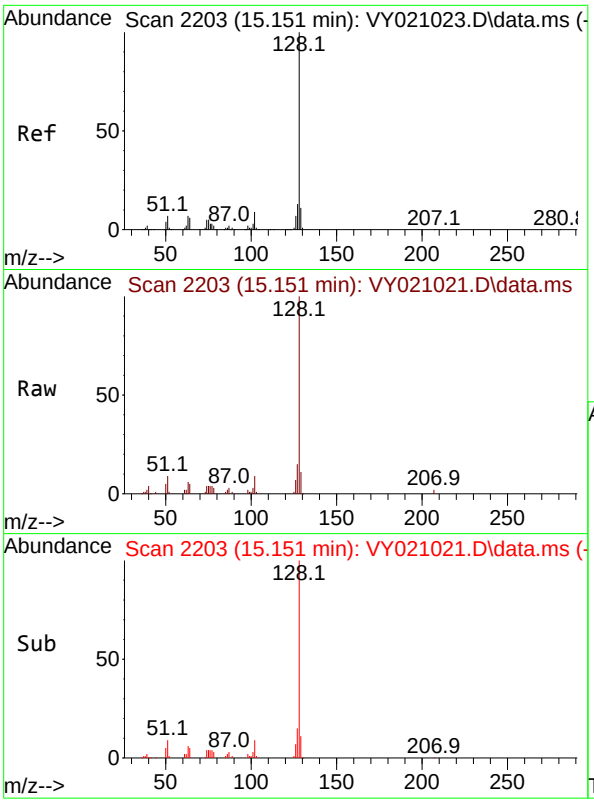


#94
Hexachlorobutadiene
Concen: 8.631 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:225 Resp: 11988

Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	63.5	31.8	95.3

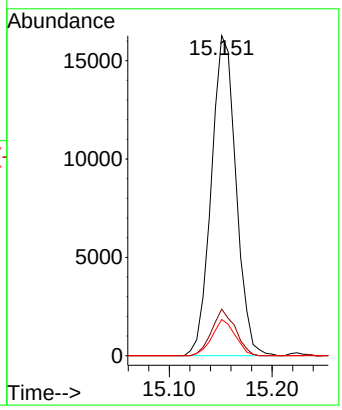




#95
Naphthalene
Concen: 8.409 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:128 Resp: 2710

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	10.6	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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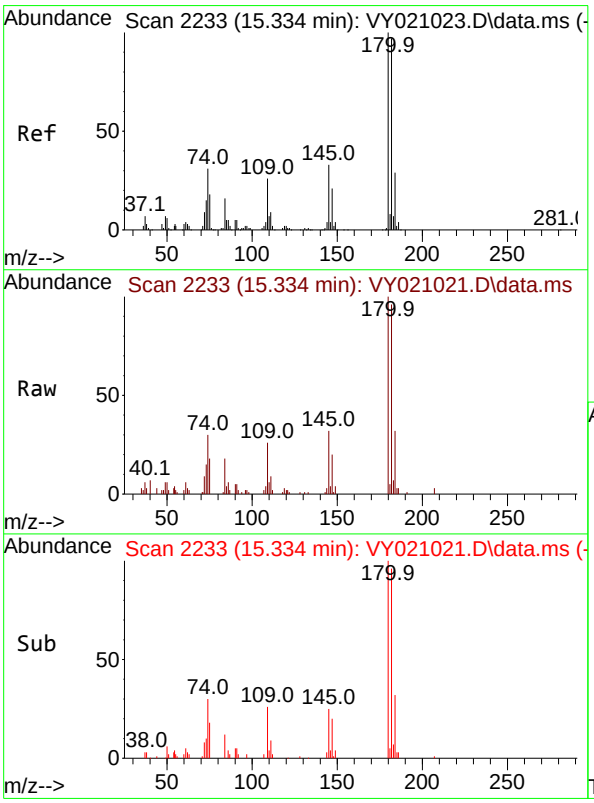
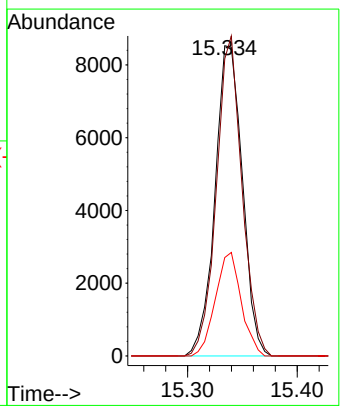


#96
1,2,3-Trichlorobenzene
Concen: 8.729 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 14804

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	31.4	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	183569	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	284501	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	244590	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	116948	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	35087	22.450	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.900%#			
35) Dibromofluoromethane	7.640	113	34279	20.042	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.080%#			
50) Toluene-d8	10.109	98	129662	19.423	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#			
62) 4-Bromofluorobenzene	12.414	95	42182	18.831	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.660%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	30336	19.435	ug/l		99
3) Chloromethane	2.074	50	29923	30.154	ug/l		98
4) Vinyl Chloride	2.208	62	29658	28.986	ug/l		99
5) Bromomethane	2.598	94	18302	26.423	ug/l		90
6) Chloroethane	2.739	64	17634	29.503	ug/l		97
7) Trichlorofluoromethane	3.068	101	55451	22.457	ug/l		98
8) Diethyl Ether	3.458	74	18232	24.733	ug/l		90
9) 1,1,2-Trichlorotrifluo...	3.830	101	34675	20.855	ug/l		95
10) Methyl Iodide	4.013	142	38697	20.338	ug/l		99
11) Tert butyl alcohol	4.878	59	12889	112.894	ug/l	#	90
12) 1,1-Dichloroethene	3.793	96	32389	20.845	ug/l		90
13) Acrolein	3.659	56	20427	155.371	ug/l		100
14) Allyl chloride	4.391	41	55315	25.859	ug/l		92
15) Acrylonitrile	5.067	53	38612	127.343	ug/l		97
16) Acetone	3.873	43	28518	133.874	ug/l		95
17) Carbon Disulfide	4.116	76	101973	21.308	ug/l		99
18) Methyl Acetate	4.391	43	19673	26.393	ug/l		92
19) Methyl tert-butyl Ether	5.116	73	85748	23.710	ug/l		98
20) Methylene Chloride	4.629	84	34701	22.087	ug/l		94
21) trans-1,2-Dichloroethene	5.122	96	36879	22.137	ug/l		94
22) Diisopropyl ether	6.025	45	120281	27.585	ug/l		94
23) Vinyl Acetate	5.970	43	331355	137.224	ug/l		95
24) 1,1-Dichloroethane	5.927	63	67799	24.102	ug/l		98
25) 2-Butanone	6.902	43	46083	127.520	ug/l		95
26) 2,2-Dichloropropane	6.890	77	61862	22.336	ug/l		97
27) cis-1,2-Dichloroethene	6.896	96	42356	22.120	ug/l		93
28) Bromochloromethane	7.250	49	27966	26.684	ug/l		83
29) Tetrahydrofuran	7.268	42	32271	132.707	ug/l		90
30) Chloroform	7.427	83	69562	22.832	ug/l		98
31) Cyclohexane	7.707	56	59268	21.556	ug/l		94
32) 1,1,1-Trichloroethane	7.622	97	63645	21.585	ug/l		96
36) 1,1-Dichloropropene	7.841	75	50918	20.868	ug/l		96
37) Ethyl Acetate	6.988	43	23724	26.080	ug/l	#	96
38) Carbon Tetrachloride	7.823	117	59433	19.683	ug/l		96
39) Methylcyclohexane	9.116	83	61029	18.619	ug/l		92
40) Benzene	8.085	78	150967	21.027	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	15142m	30.084	ug/l		
42) 1,2-Dichloroethane	8.164	62	41726	22.916	ug/l		98
43) Isopropyl Acetate	8.201	43	45505	25.040	ug/l		97
44) Trichloroethene	8.872	130	38841	19.606	ug/l		100
45) 1,2-Dichloropropane	9.146	63	36268	22.538	ug/l		99
46) Dibromomethane	9.237	93	20417	21.802	ug/l		93
47) Bromodichloromethane	9.426	83	53424	21.723	ug/l		97
48) Methyl methacrylate	9.225	41	19957	23.066	ug/l		91
49) 1,4-Dioxane	9.237	88	3939	395.839	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.006	43	114844	122.983	ug/l		94
52) Toluene	10.176	92	95614	20.517	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	47690	21.429	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	57105	21.469	ug/l	#	89
55) 1,1,2-Trichloroethane	10.579	97	26314	21.129	ug/l		98
56) Ethyl methacrylate	10.445	69	34126	20.963	ug/l	#	86
57) 1,3-Dichloropropane	10.725	76	45784	21.690	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	83057	120.208	ug/l		95
59) 2-Hexanone	10.768	43	72555	119.535	ug/l		92
60) Dibromochloromethane	10.914	129	36853	20.754	ug/l		99
61) 1,2-Dibromoethane	11.018	107	24505	20.600	ug/l		97
64) Tetrachloroethene	10.652	164	34418	18.655	ug/l		97
65) Chlorobenzene	11.444	112	103141	20.015	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	36817	20.130	ug/l		99
67) Ethyl Benzene	11.524	91	182430	20.446	ug/l		99
68) m/p-Xylenes	11.633	106	138826	40.497	ug/l		97
69) o-Xylene	11.963	106	64616	20.276	ug/l		98
70) Styrene	11.975	104	108143	20.439	ug/l		99
71) Bromoform	12.139	173	21254	19.718	ug/l	#	100
73) Isopropylbenzene	12.261	105	171836	20.921	ug/l		100
74) N-amyl acetate	12.078	43	37235	24.896	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.511	83	29712	22.410	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21952m	23.712	ug/l		
77) Bromobenzene	12.536	156	40491	20.793	ug/l		95
78) n-propylbenzene	12.603	91	206279	21.429	ug/l		98
79) 2-Chlorotoluene	12.688	91	118673	21.638	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	142319	21.150	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	9872	22.135	ug/l		93
82) 4-Chlorotoluene	12.786	91	121872	21.712	ug/l		100
83) tert-Butylbenzene	13.005	119	128881	20.651	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	139446	21.214	ug/l		99
85) sec-Butylbenzene	13.182	105	185044	20.943	ug/l		99
86) p-Isopropyltoluene	13.298	119	154555	20.815	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77631	20.446	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	76342	20.248	ug/l		97
89) n-Butylbenzene	13.627	91	138532	20.829	ug/l		98
90) Hexachloroethane	13.889	117	31796	21.166	ug/l		93
91) 1,2-Dichlorobenzene	13.663	146	67363	20.344	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4160	20.380	ug/l		88
93) 1,2,4-Trichlorobenzene	14.932	180	34770	17.150	ug/l		98
94) Hexachlorobutadiene	15.029	225	24481	17.435	ug/l		97
95) Naphthalene	15.151	128	55021	16.886	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	29301	17.090	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
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VSTDICC020

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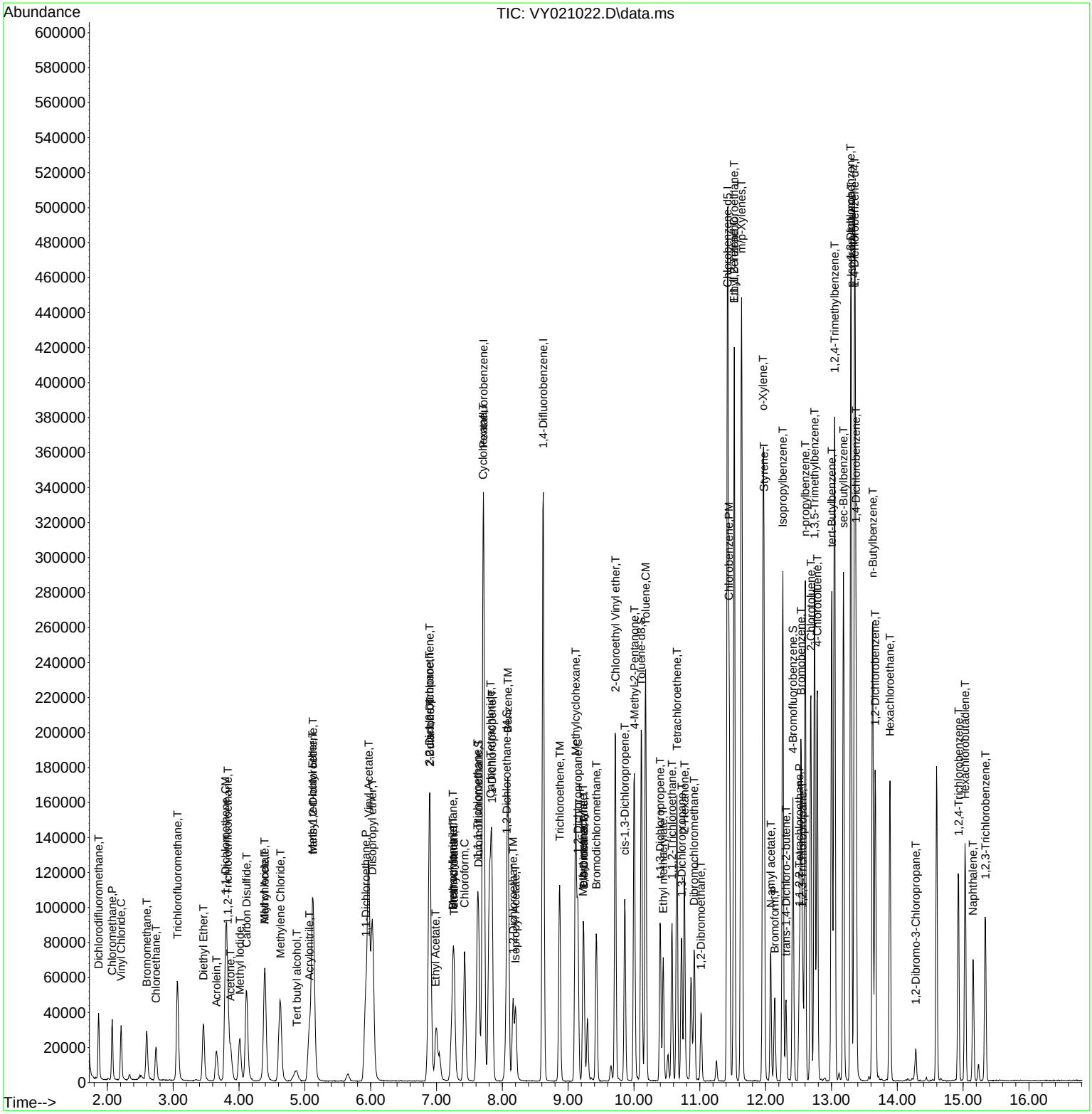
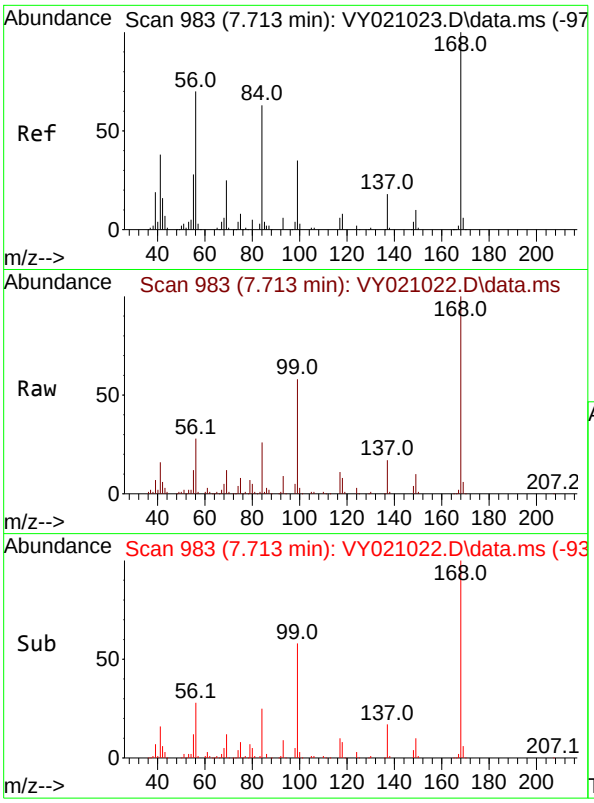
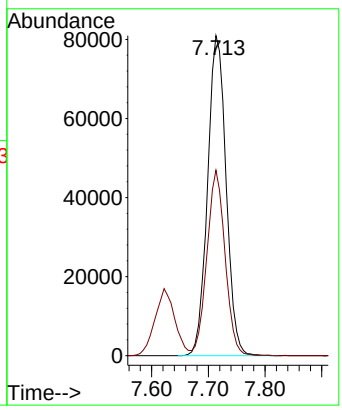




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:168 Resp: 18356

Ion	Ratio	Lower	Upper
168	100		
99	57.9	42.2	63.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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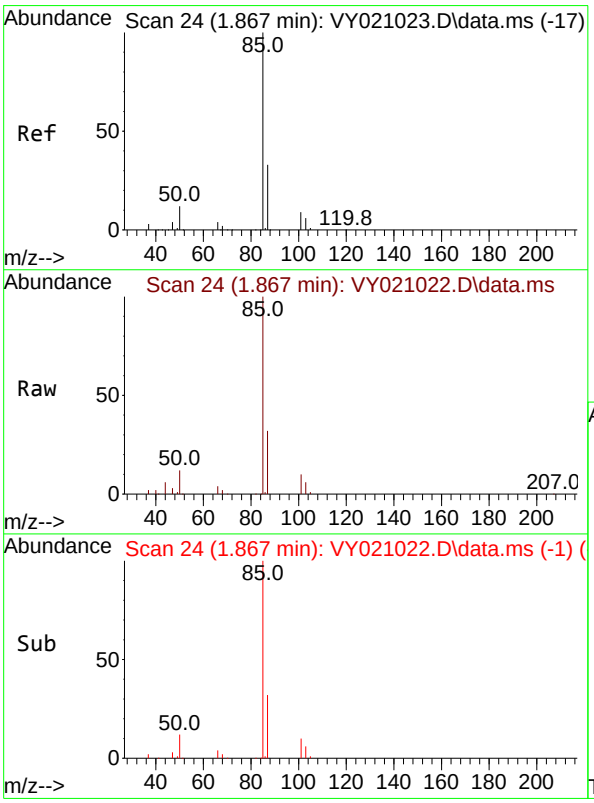
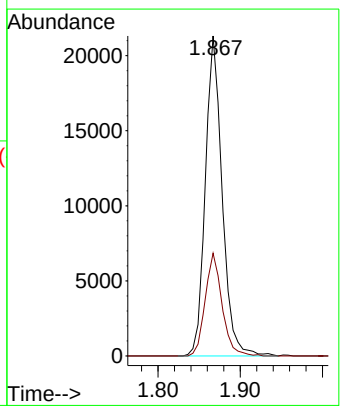
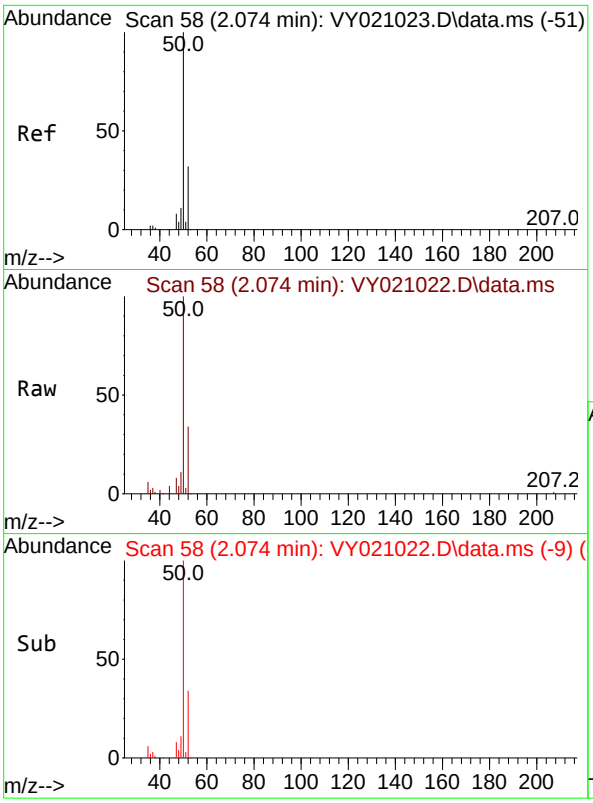


#2
Dichlorodifluoromethane
Concen: 19.435 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 85 Resp: 30336

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.9

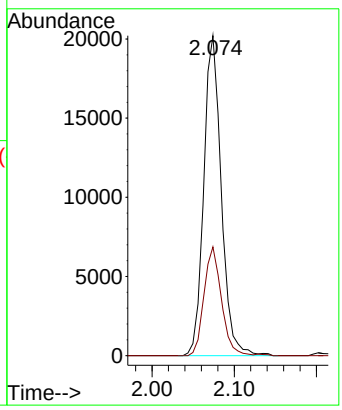




#3
Chloromethane
Concen: 30.154 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 50 Resp: 2992

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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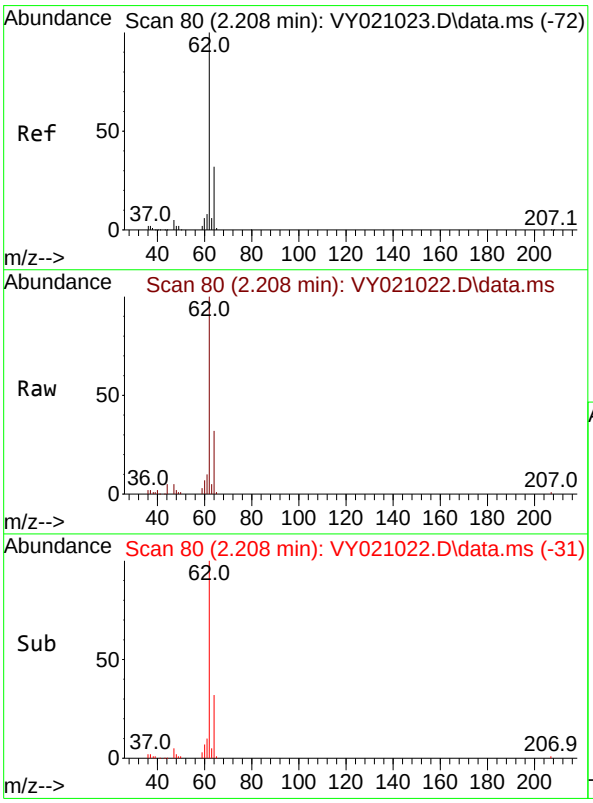
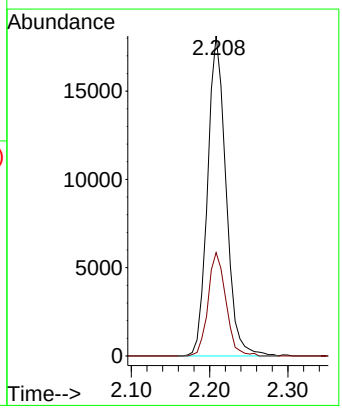
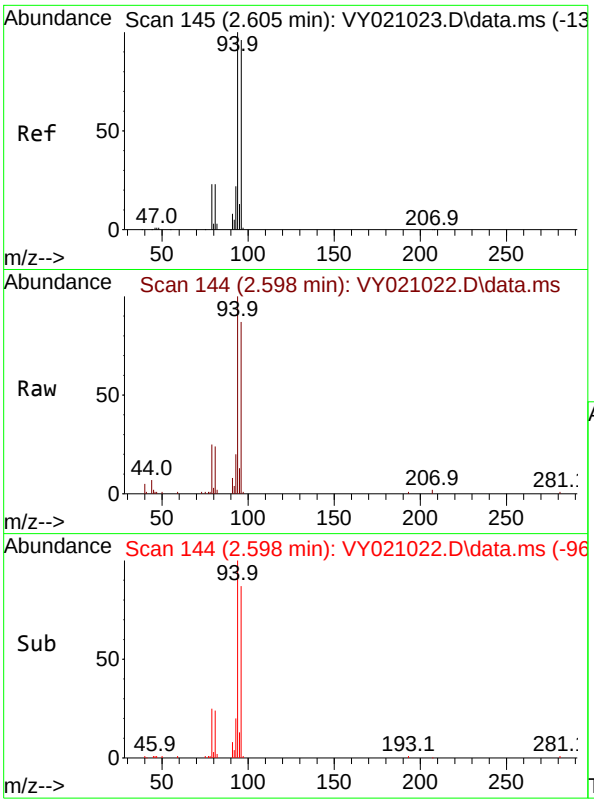


#4
Vinyl Chloride
Concen: 28.986 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 29658

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.2





#5
Bromomethane
Concen: 26.423 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 94 Resp: 1830

Ion	Ratio	Lower	Upper
94	100		
96	86.5	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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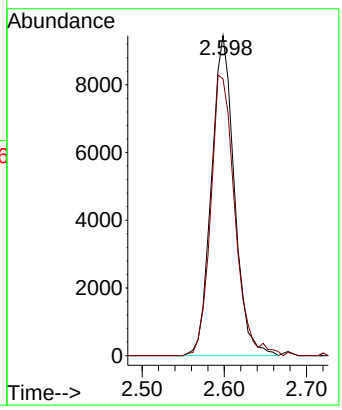
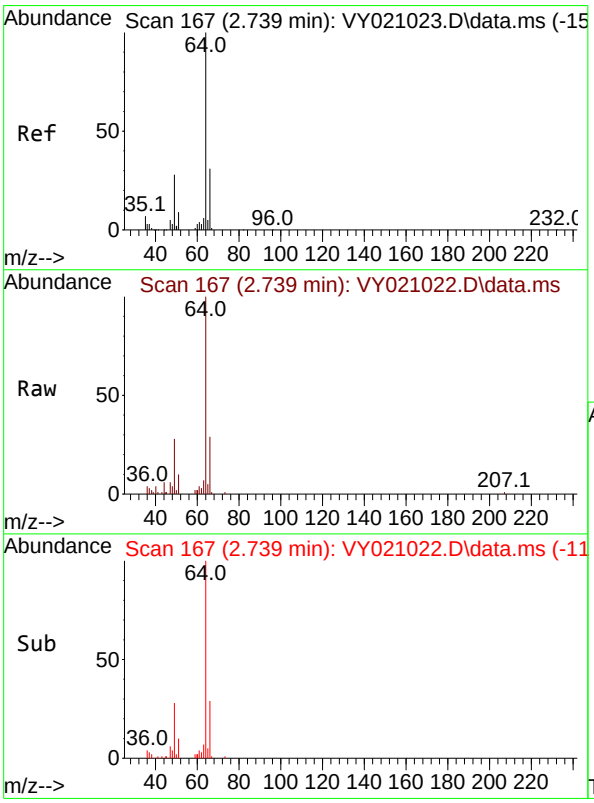
Supervised By :Semsettin Yesilyurt 02/04/2025

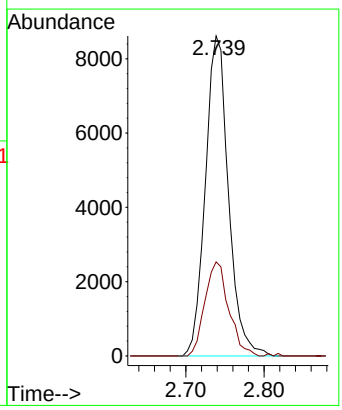


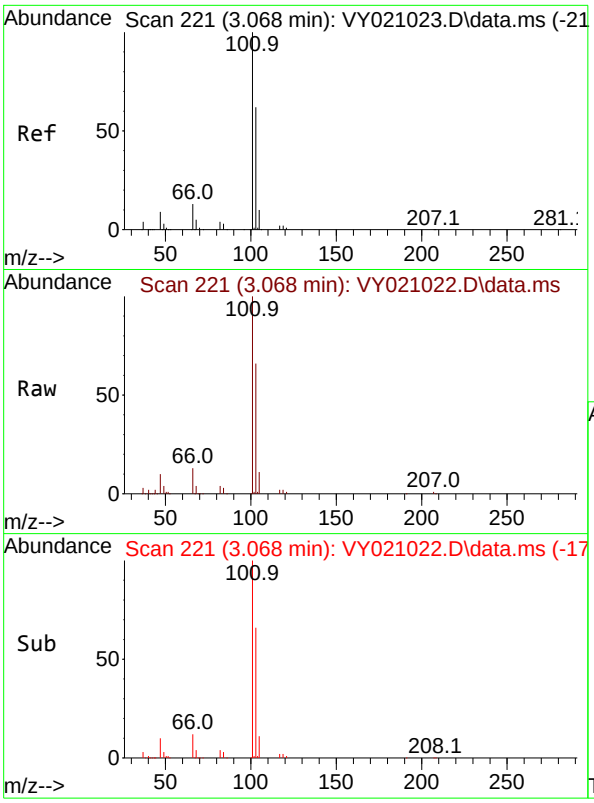


#6
Chloroethane
Concen: 29.503 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 64 Resp: 17634

Ion	Ratio	Lower	Upper
64	100		
66	29.4	25.0	37.4





#7
Trichlorofluoromethane
Concen: 22.457 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:101 Resp: 5545

Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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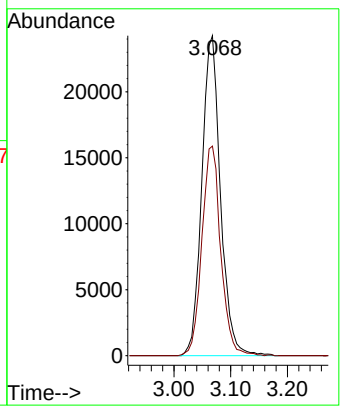
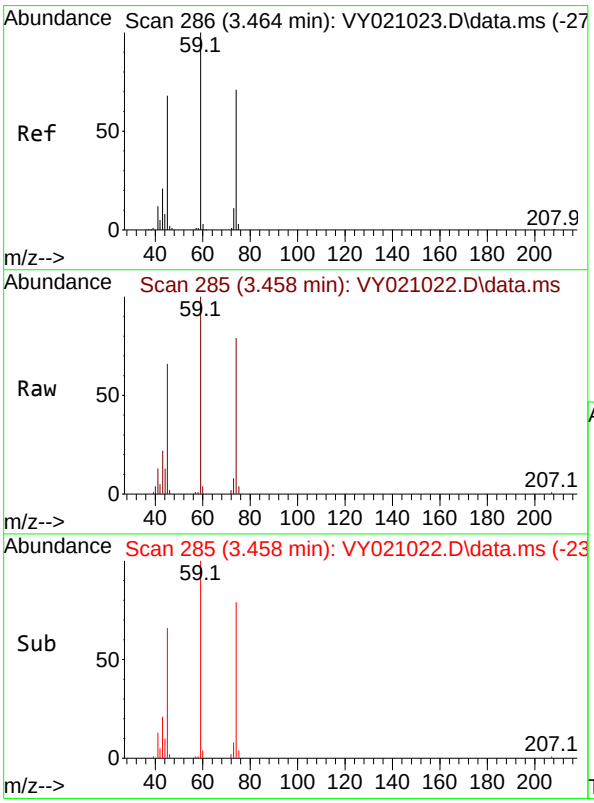
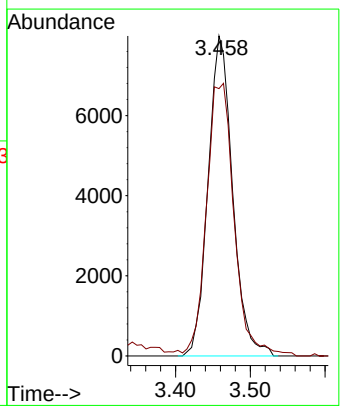


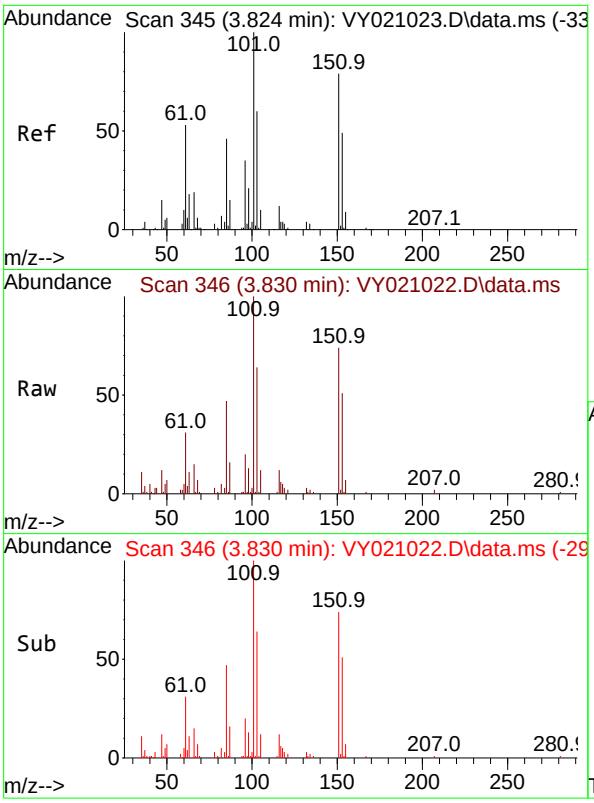


#8
Diethyl Ether
Concen: 24.733 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 74 Resp: 18232

Ion	Ratio	Lower	Upper
74	100		
45	95.6	43.4	130.2

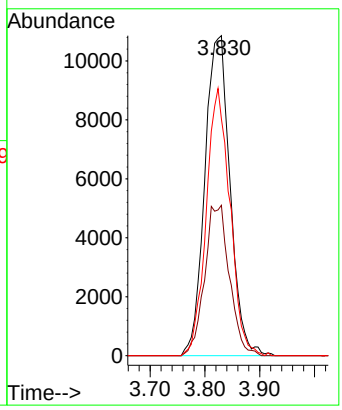




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.855 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:101 Resp: 3467

Ion	Ratio	Lower	Upper
101	100		
85	46.3	34.9	52.3
151	78.7	66.8	100.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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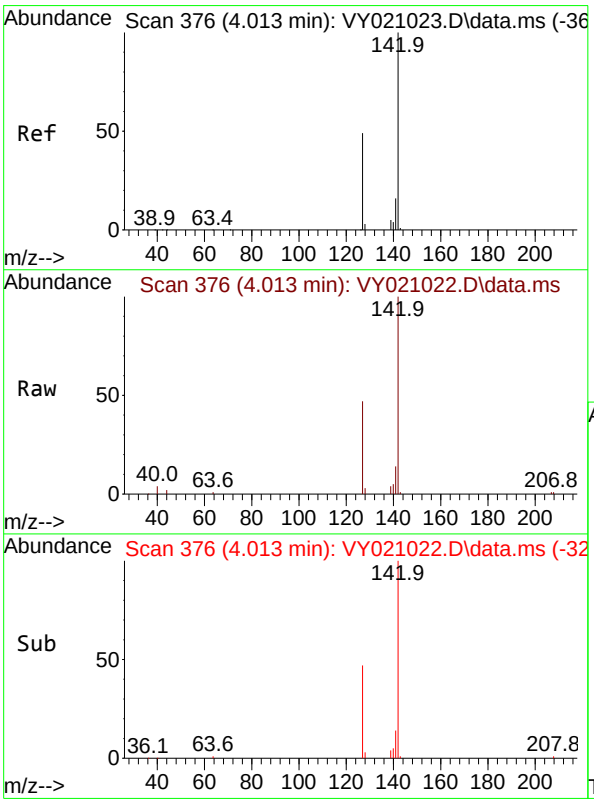
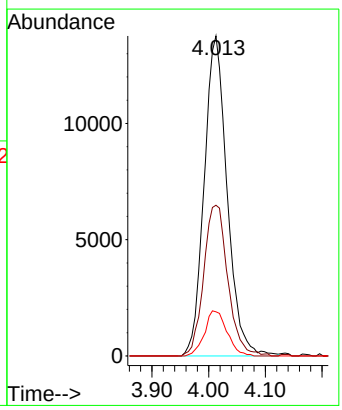
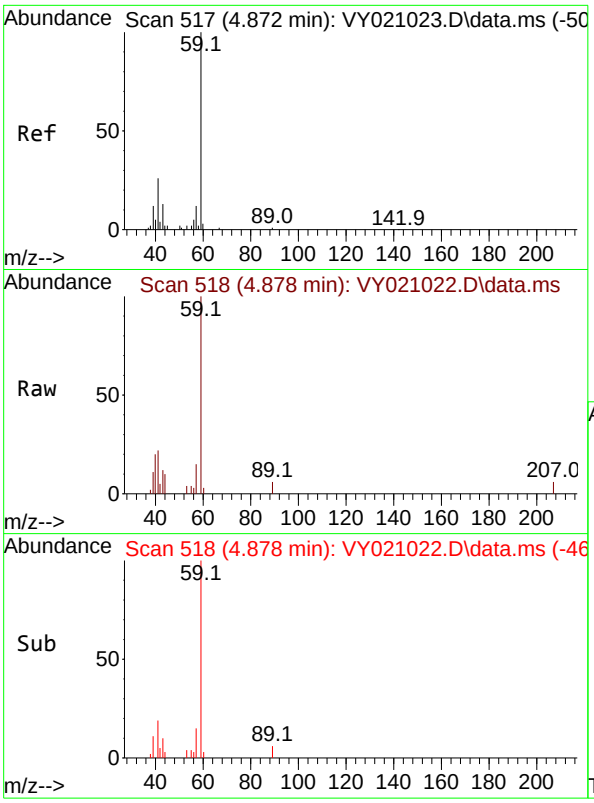


#10
Methyl Iodide
Concen: 20.338 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:142 Resp: 38697

Ion	Ratio	Lower	Upper
142	100		
127	49.5	38.9	58.3
141	13.8	11.7	17.5

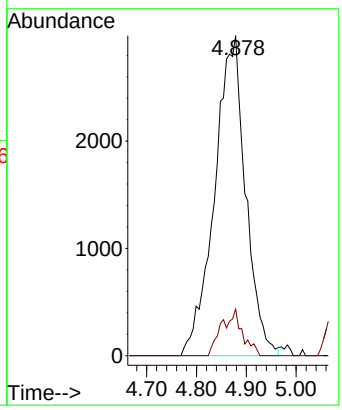




#11
Tert butyl alcohol
Concen: 112.894 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 59 Resp: 1288

Ion	Ratio	Lower	Upper
59	100		
57	6.0	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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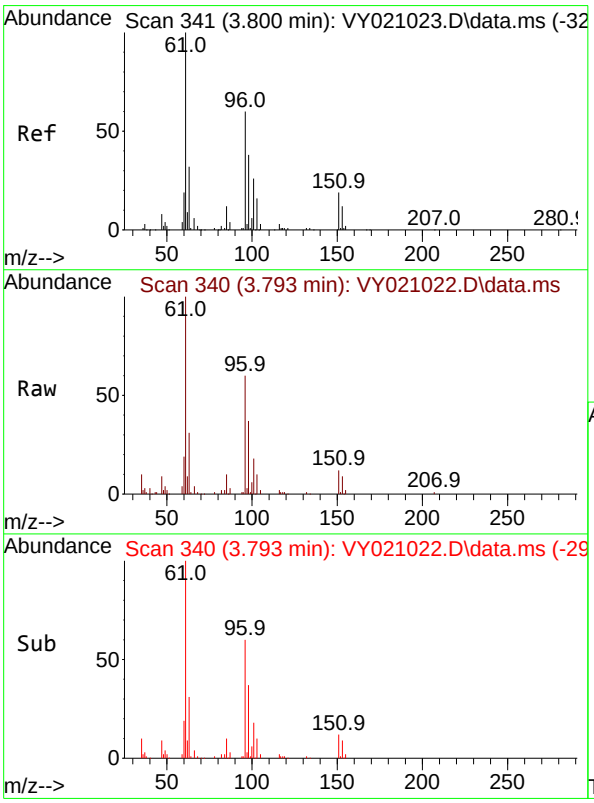
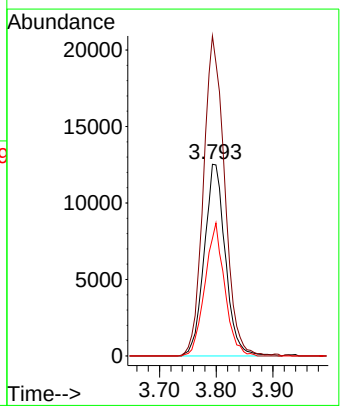
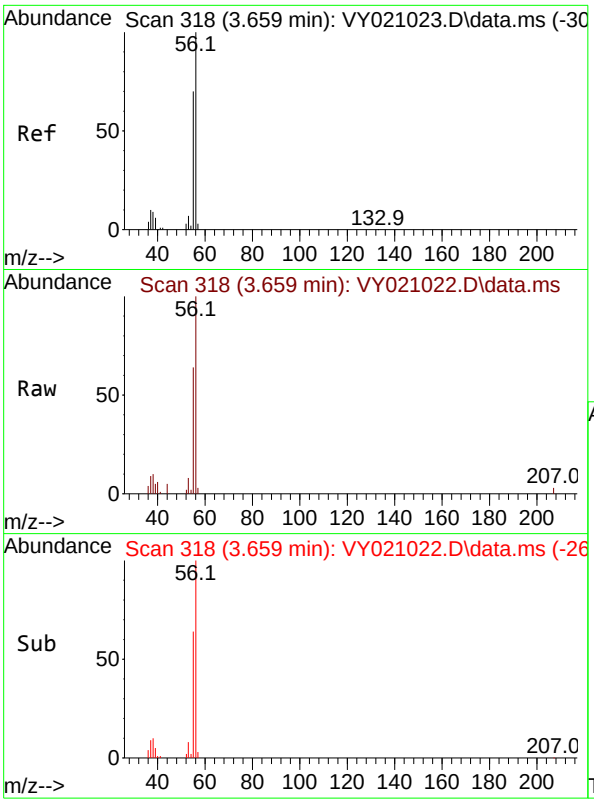


#12
1,1-Dichloroethene
Concen: 20.845 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 32389

Ion	Ratio	Lower	Upper
96	100		
61	166.9	120.8	181.2
98	61.3	50.6	76.0





#13
Acrolein
Concen: 155.371 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 56 Resp: 2042

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.1	84.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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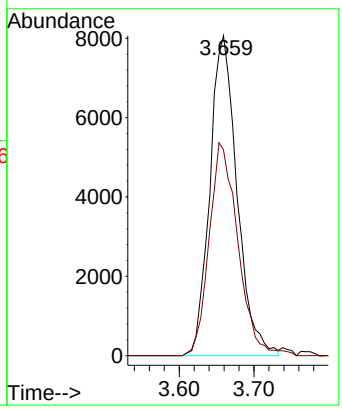
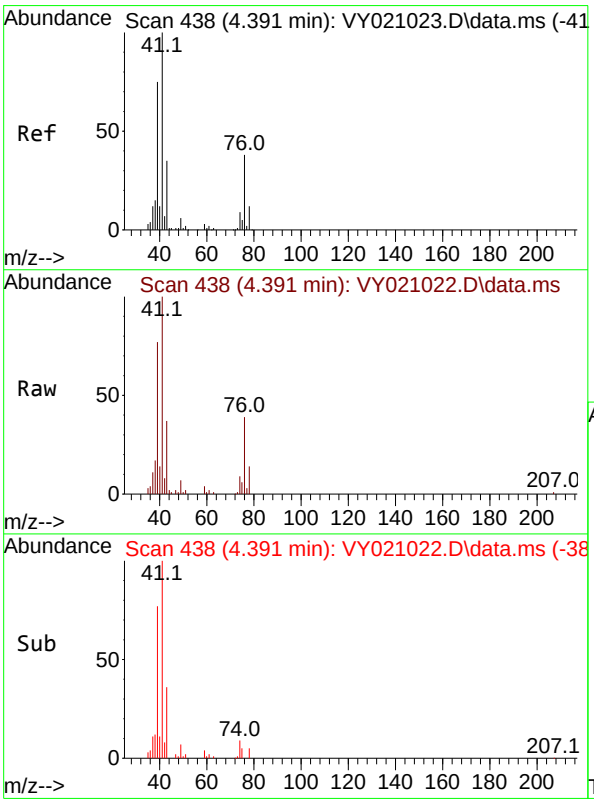
Supervised By :Semsettin Yesilyurt 02/04/2025

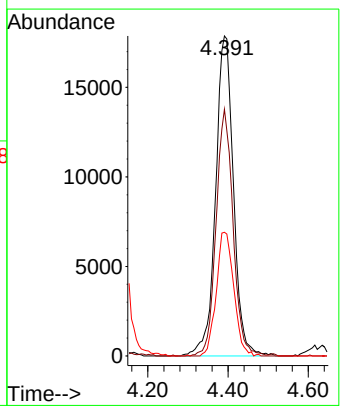


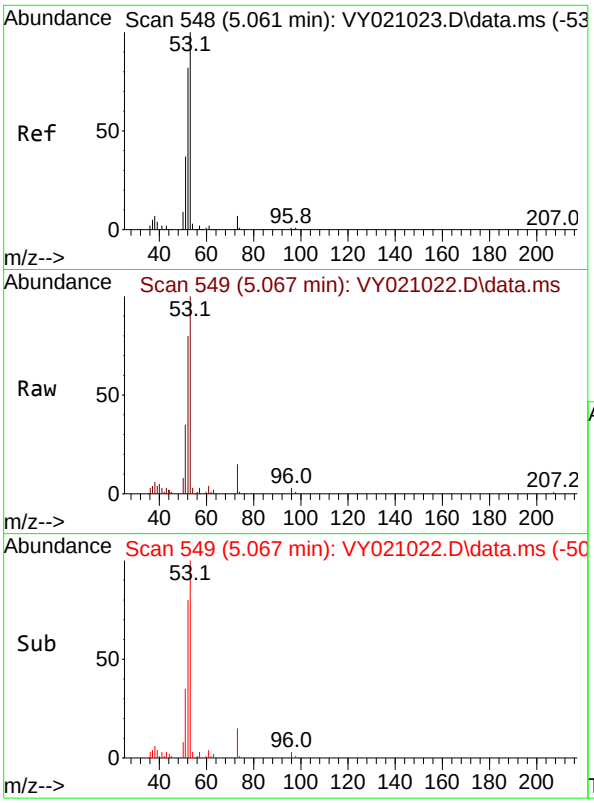


#14
Allyl chloride
Concen: 25.859 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 55315

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.5	80.3
76	37.8	34.6	52.0





#15
Acrylonitrile
Concen: 127.343 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 53 Resp: 3861

Ion	Ratio	Lower	Upper
53	100		
52	79.0	66.2	99.4
51	35.8	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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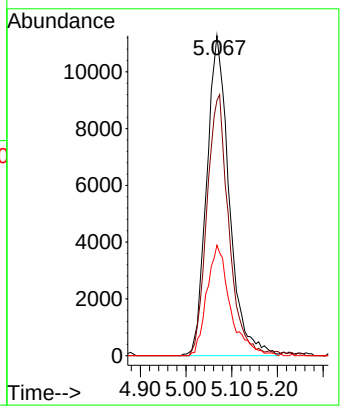
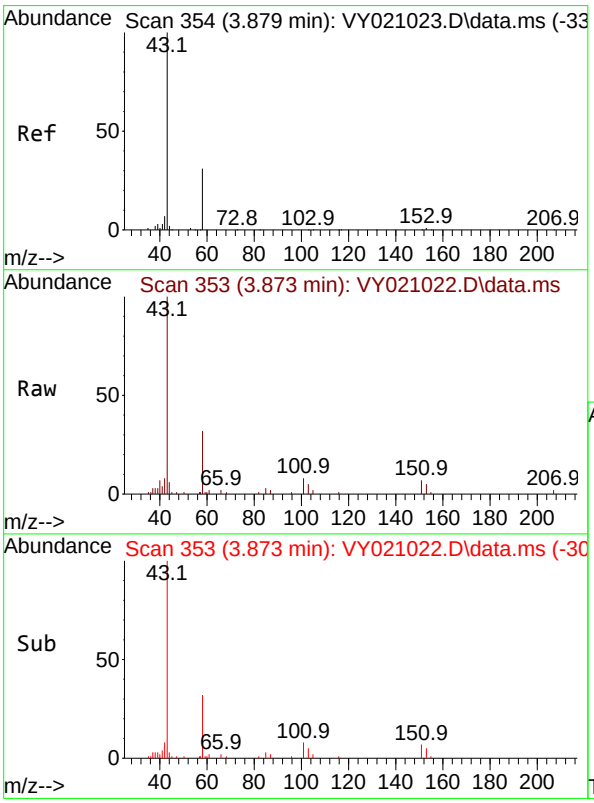
Supervised By :Semsettin Yesilyurt 02/04/2025

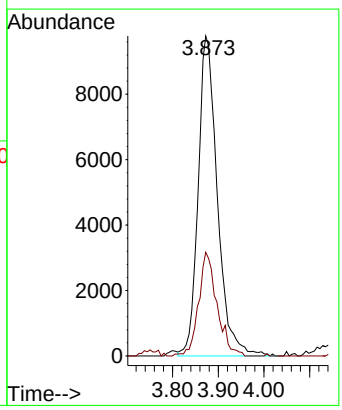


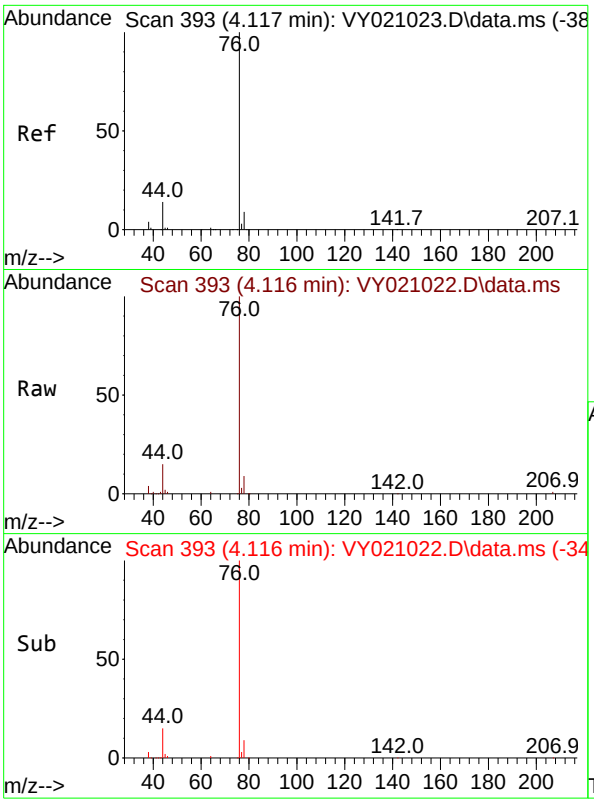


#16
Acetone
Concen: 133.874 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 28518

Ion	Ratio	Lower	Upper
43	100		
58	32.4	28.4	42.6

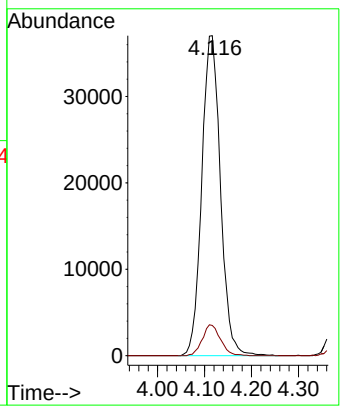




#17
Carbon Disulfide
Concen: 21.308 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 76 Resp: 10197

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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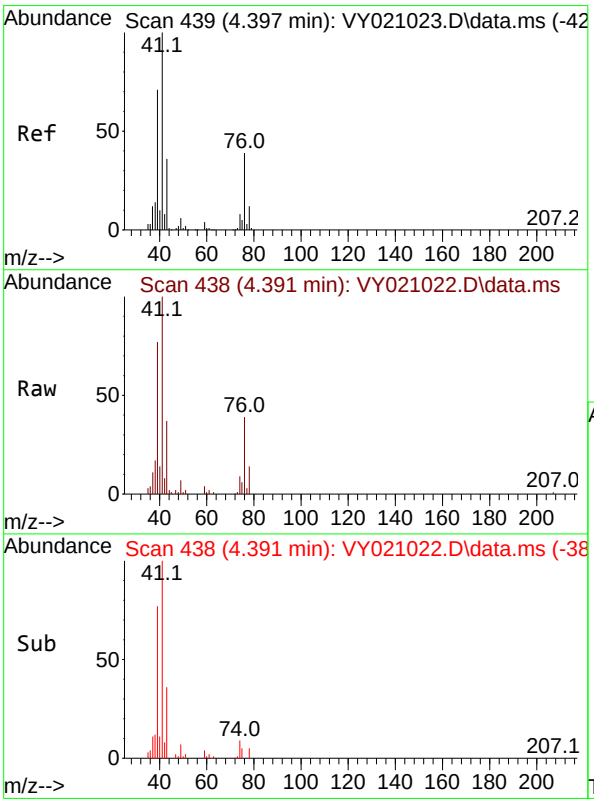
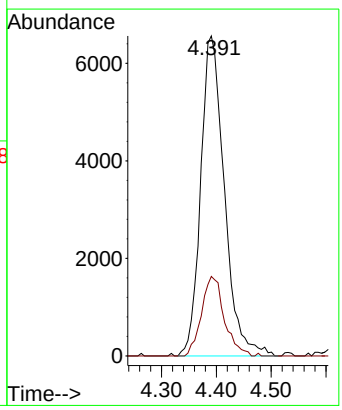
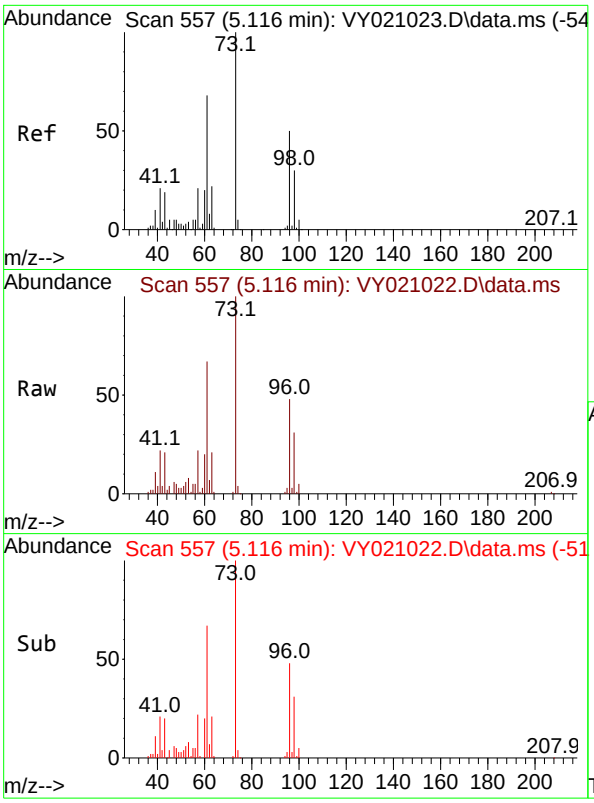


#18
Methyl Acetate
Concen: 26.393 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 19673

Ion	Ratio	Lower	Upper
43	100		
74	23.8	22.2	33.4





#19
Methyl tert-butyl Ether
Concen: 23.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 73 Resp: 8574

Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.6	25.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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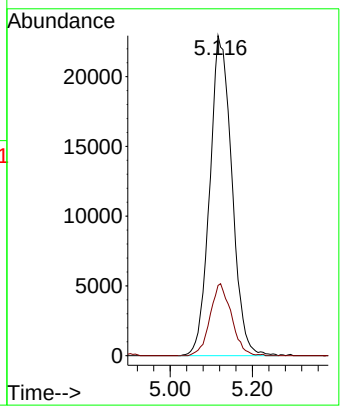
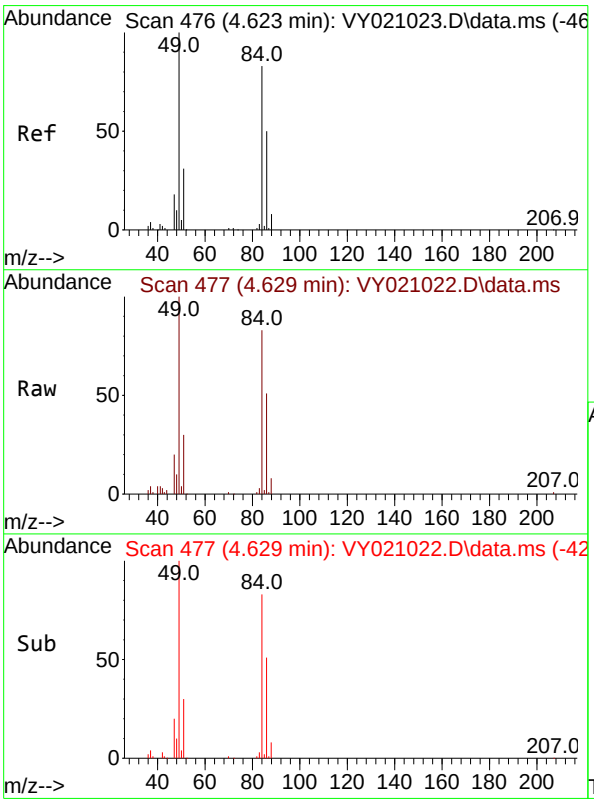
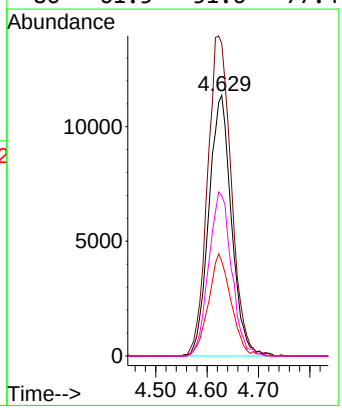


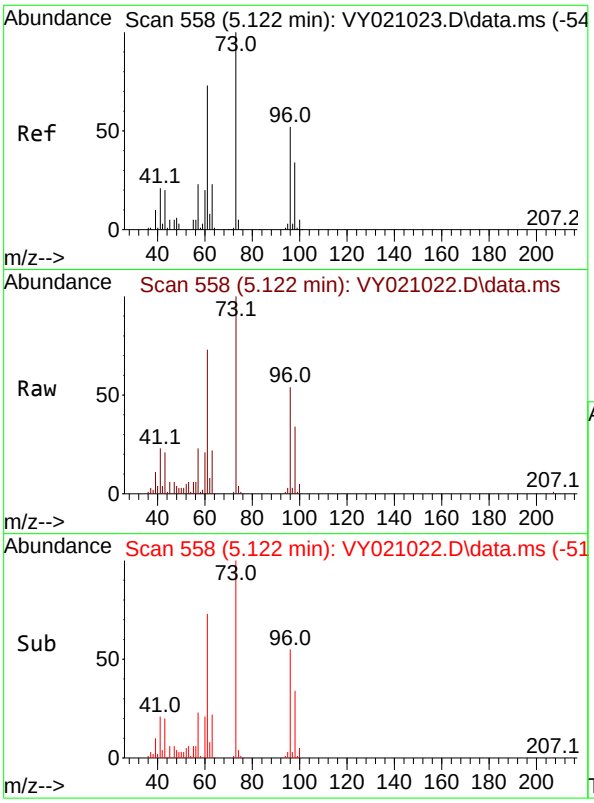


#20
Methylene Chloride
Concen: 22.087 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 84 Resp: 34701

Ion	Ratio	Lower	Upper
84	100		
49	120.0	88.3	132.5
51	36.3	27.7	41.5
86	61.5	51.6	77.4

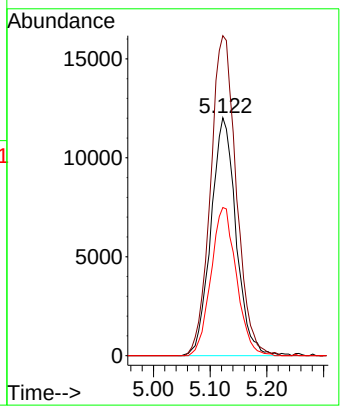




#21
trans-1,2-Dichloroethene
Concen: 22.137 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 3687

Ion	Ratio	Lower	Upper
96	100		
61	134.5	101.5	152.3
98	62.3	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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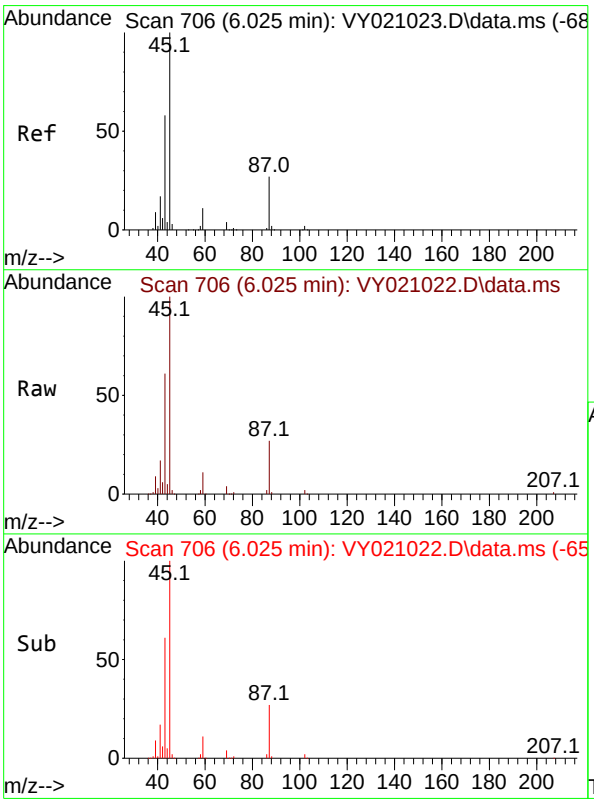
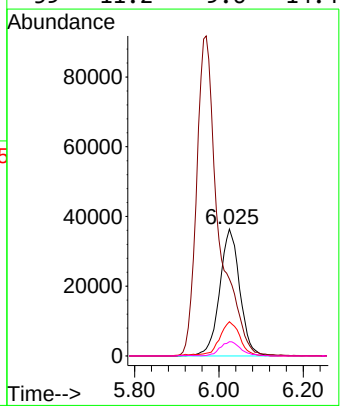
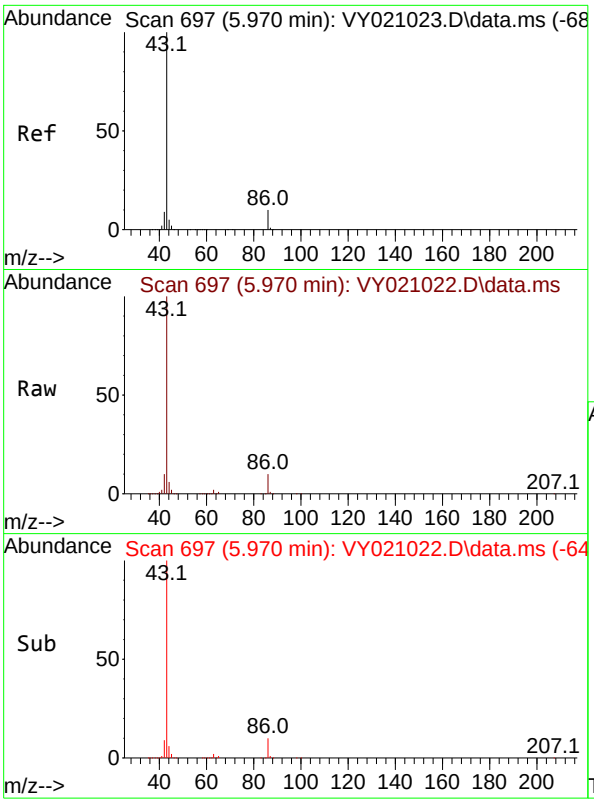


#22
Diisopropyl ether
Concen: 27.585 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 45 Resp: 120281

Ion	Ratio	Lower	Upper
45	100		
43	60.3	45.1	67.7
87	27.0	25.0	37.4
59	11.2	9.6	14.4





#23
Vinyl Acetate
Concen: 137.224 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 33135

Ion	Ratio	Lower	Upper
43	100		
86	10.1	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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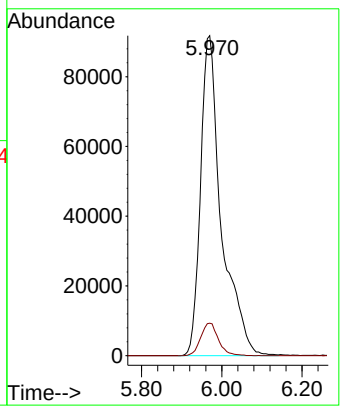
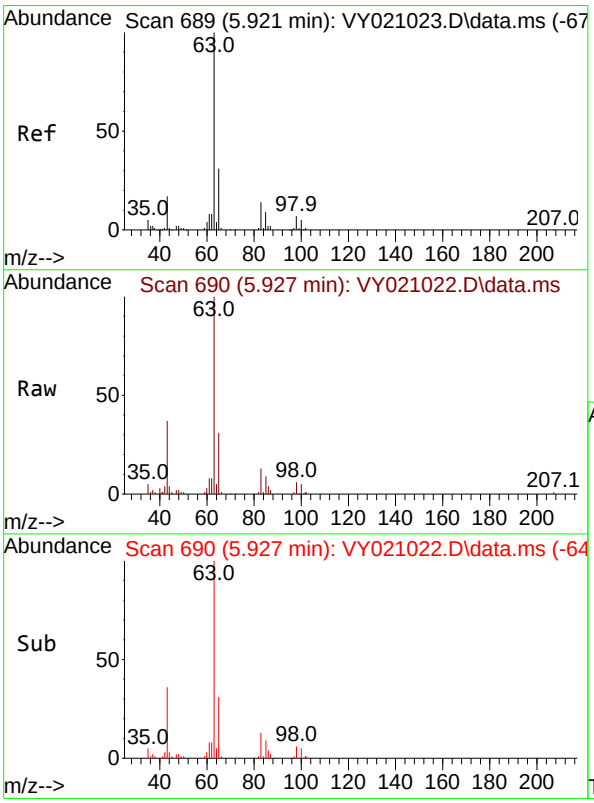
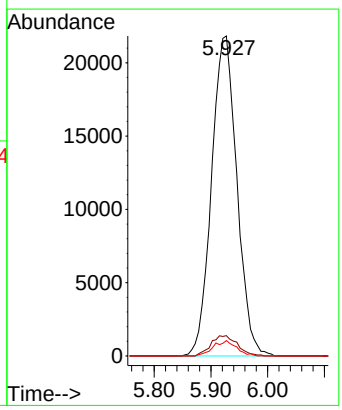


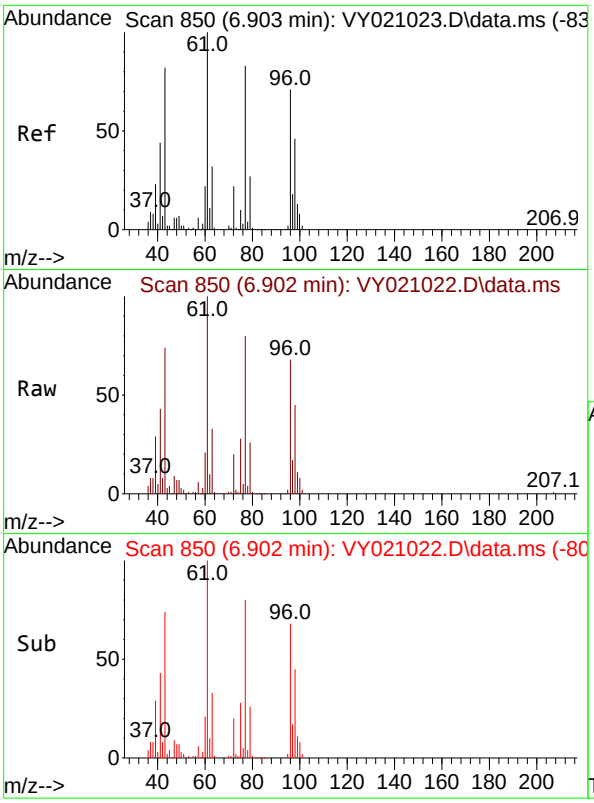


#24
1,1-Dichloroethane
Concen: 24.102 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 67799

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.7	11.1
100	4.8	2.4	7.2





#25
2-Butanone
Concen: 127.520 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 4608

Ion	Ratio	Lower	Upper
43	100		
72	27.5	24.3	36.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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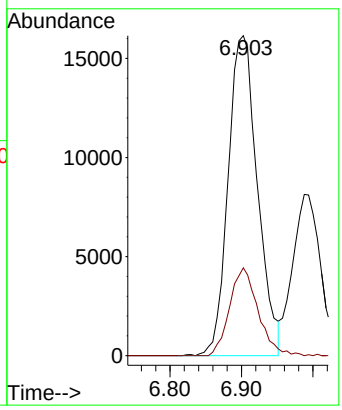
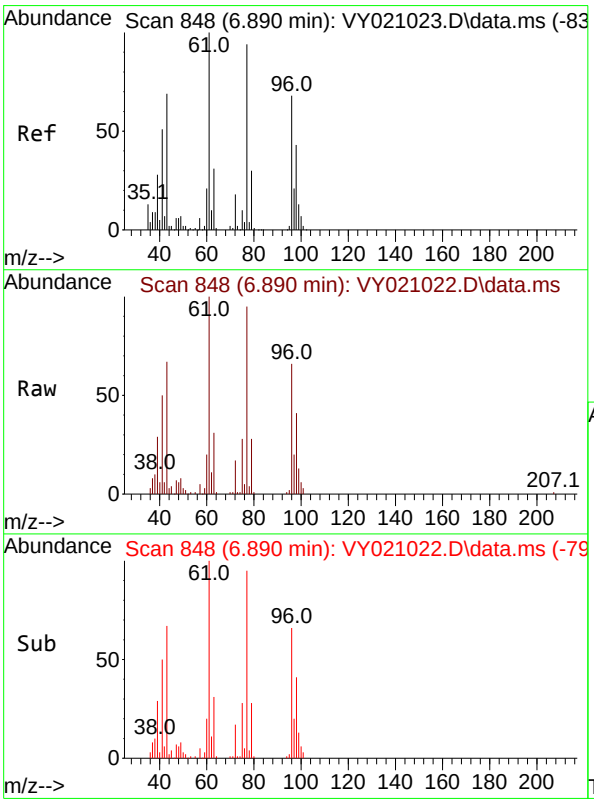
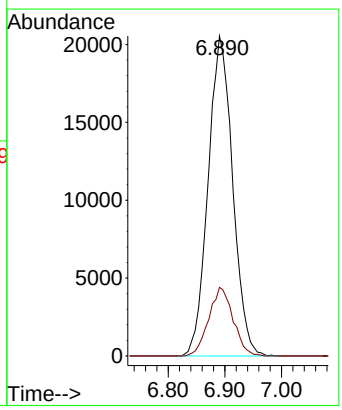


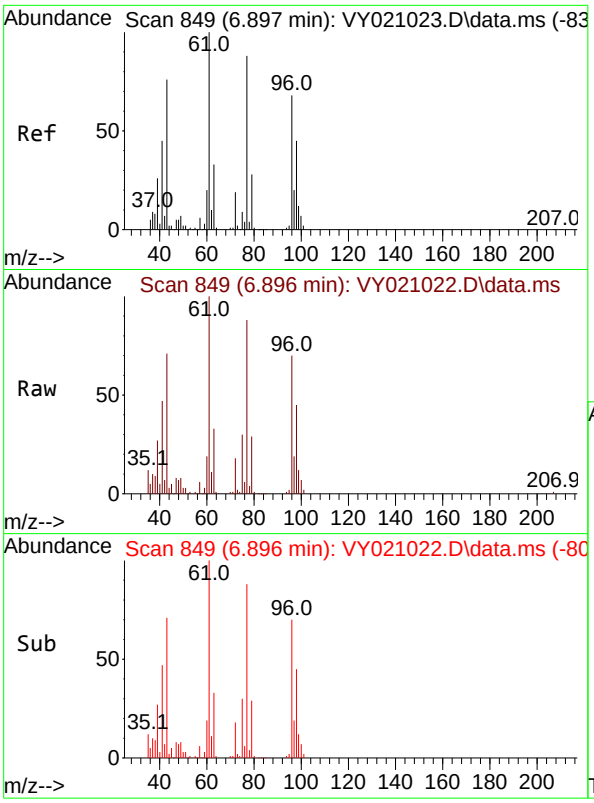


#26
2,2-Dichloropropane
Concen: 22.336 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 77 Resp: 61862

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.4	34.2

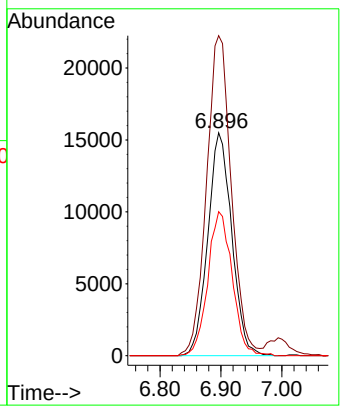




#27
cis-1,2-Dichloroethene
Concen: 22.120 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 4235

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	274.0
98	65.6	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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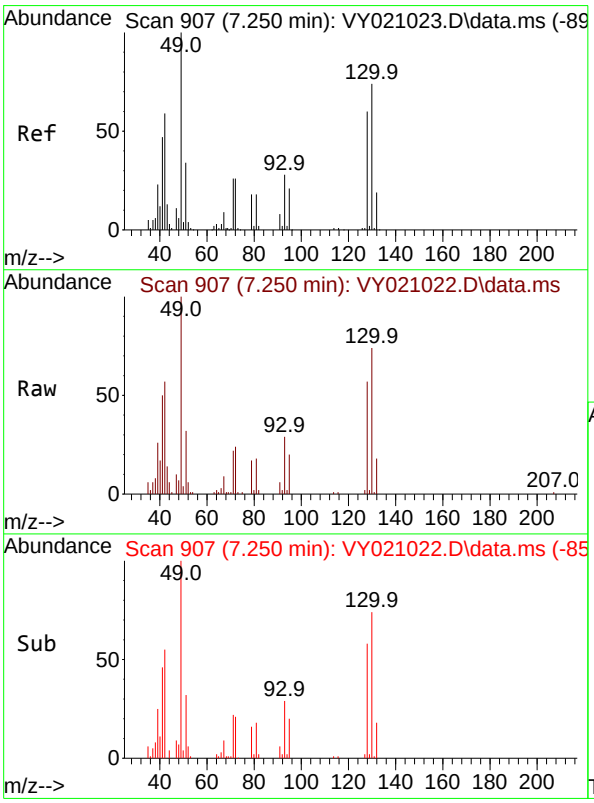
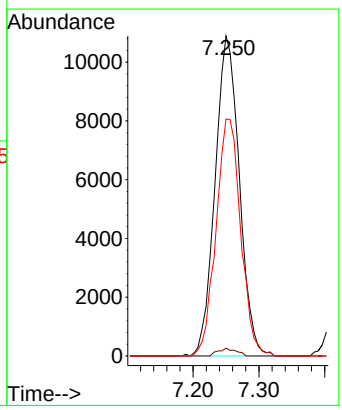
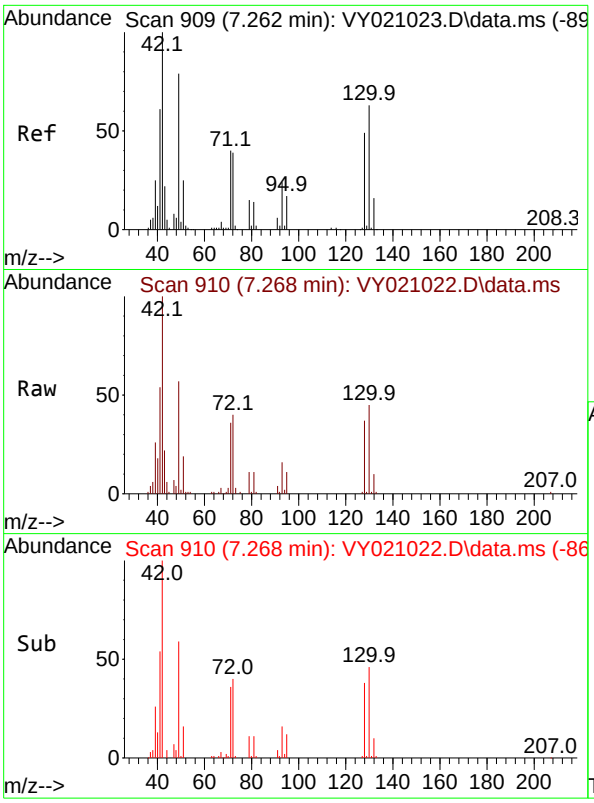


#28
Bromochloromethane
Concen: 26.684 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 49 Resp: 27966

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.0
130	75.3	73.2	109.8





#29
Tetrahydrofuran
Concen: 132.707 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 42 Resp: 3227

Ion	Ratio	Lower	Upper
42	100		
72	42.2	39.3	58.9
71	39.0	36.1	54.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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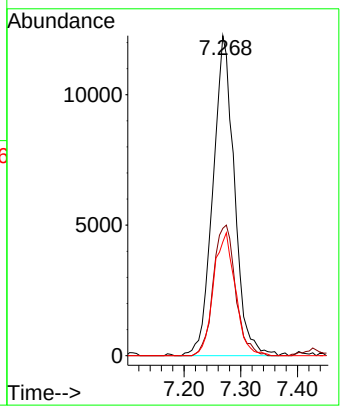
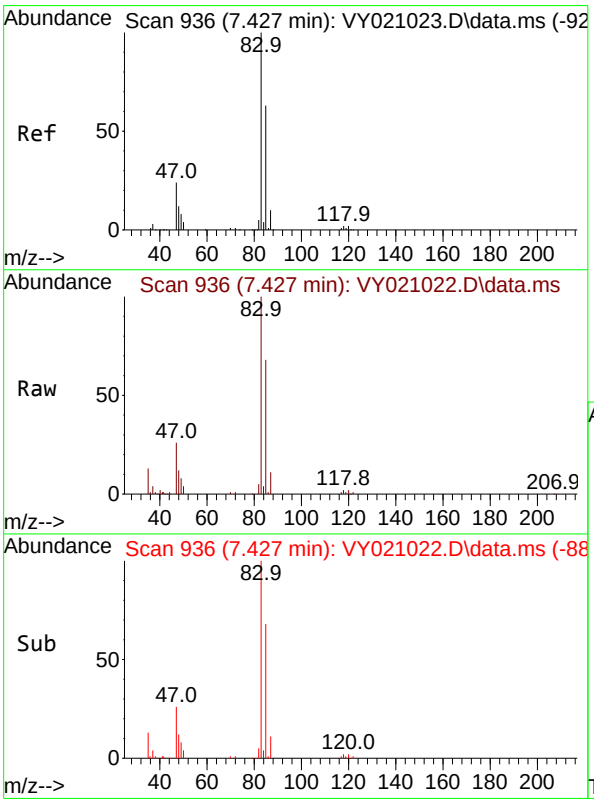
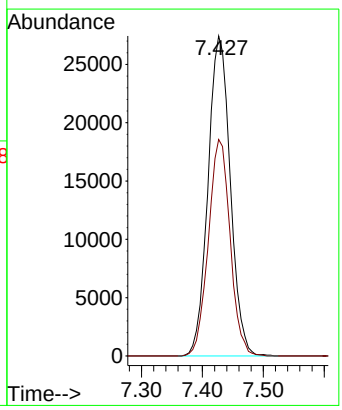


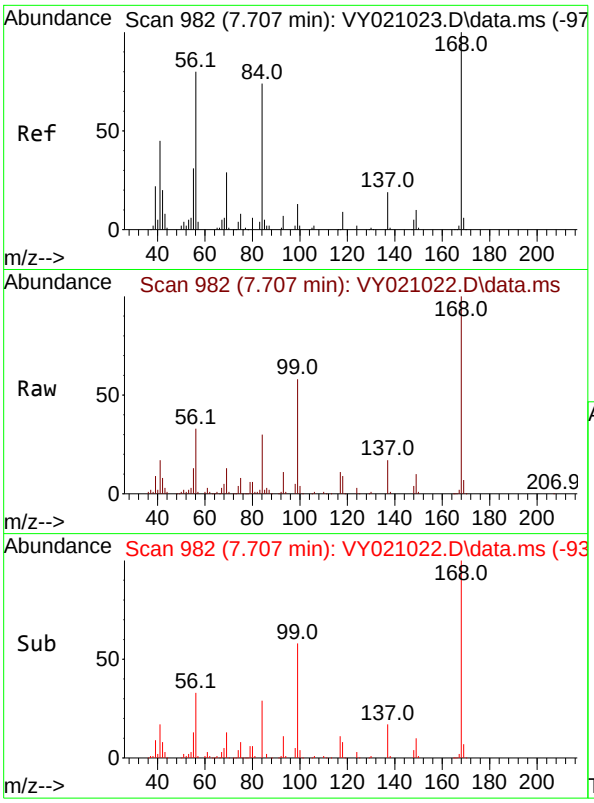


#30
Chloroform
Concen: 22.832 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 69562

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.9	79.3





#31
Cyclohexane
Concen: 21.556 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 56 Resp: 5926

Ion	Ratio	Lower	Upper
56	100		
69	38.4	27.7	41.5
84	91.2	77.5	116.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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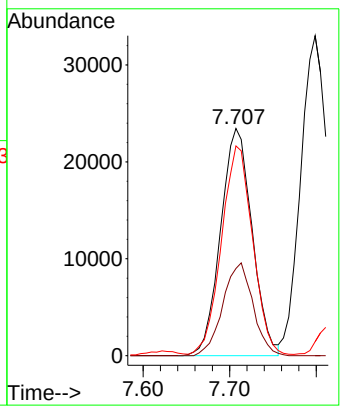
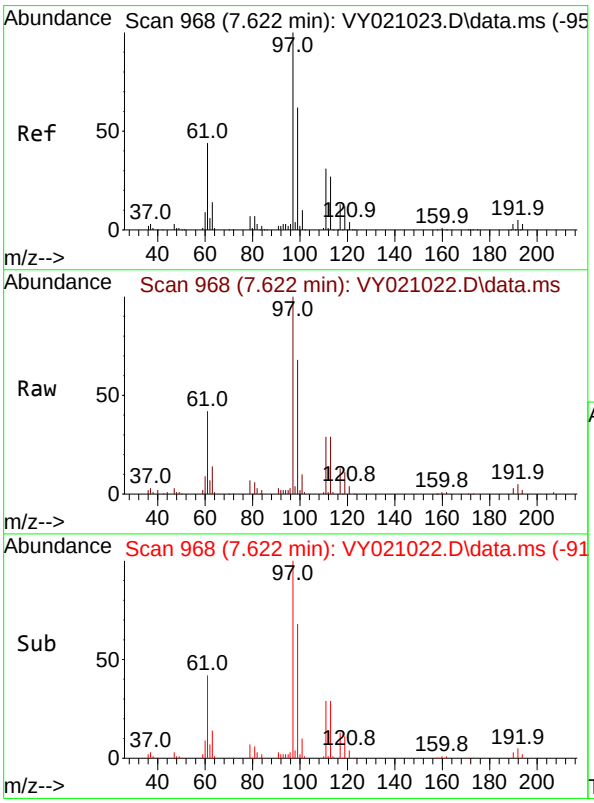
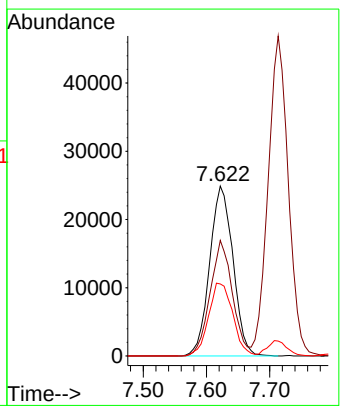


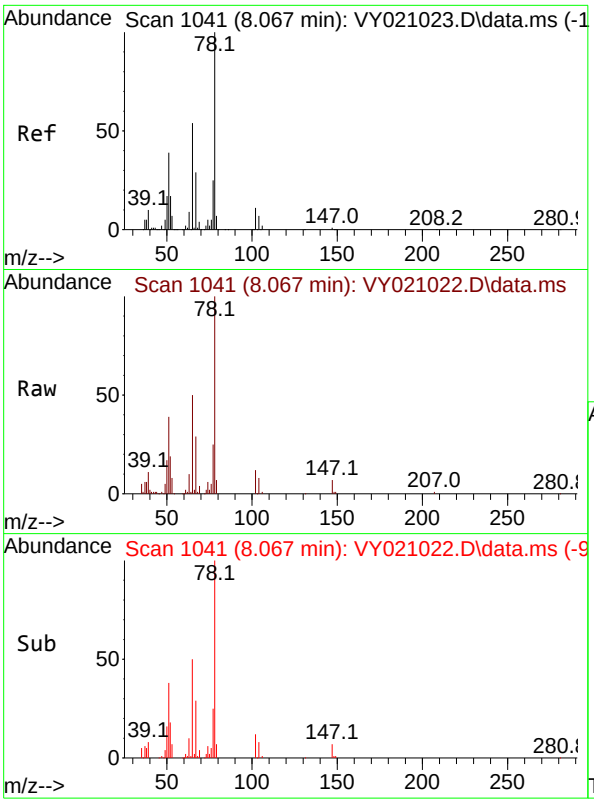


#32
1,1,1-Trichloroethane
Concen: 21.585 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 97 Resp: 63645

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	44.5	31.4	47.0

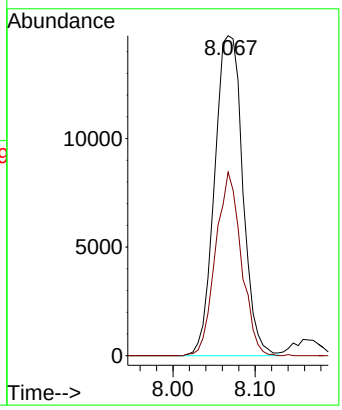




#33
1,2-Dichloroethane-d4
Concen: 22.450 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 65 Resp: 3508

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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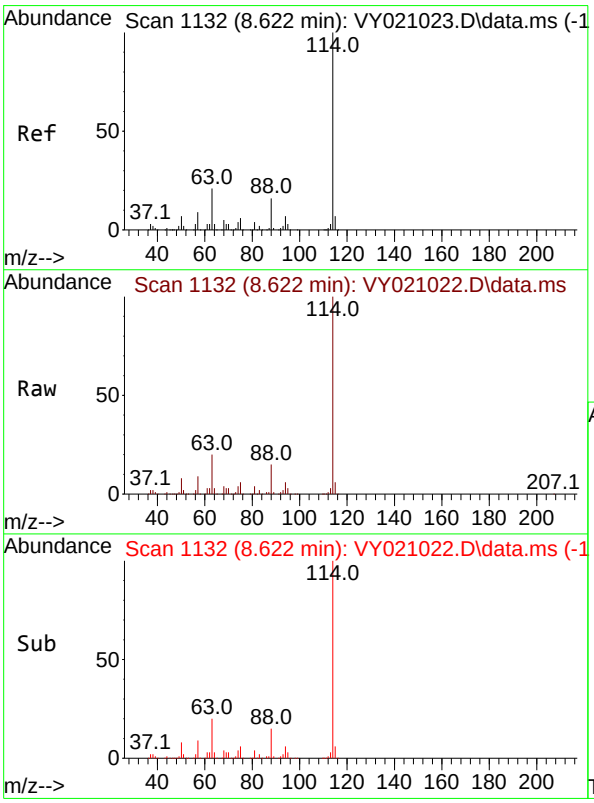
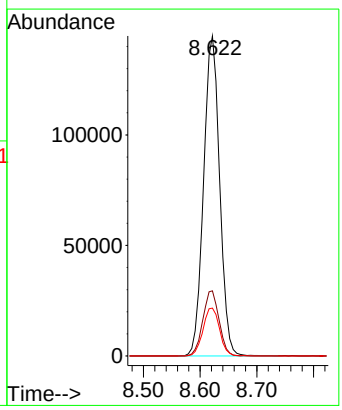
Supervised By :Semsettin Yesilyurt 02/04/2025

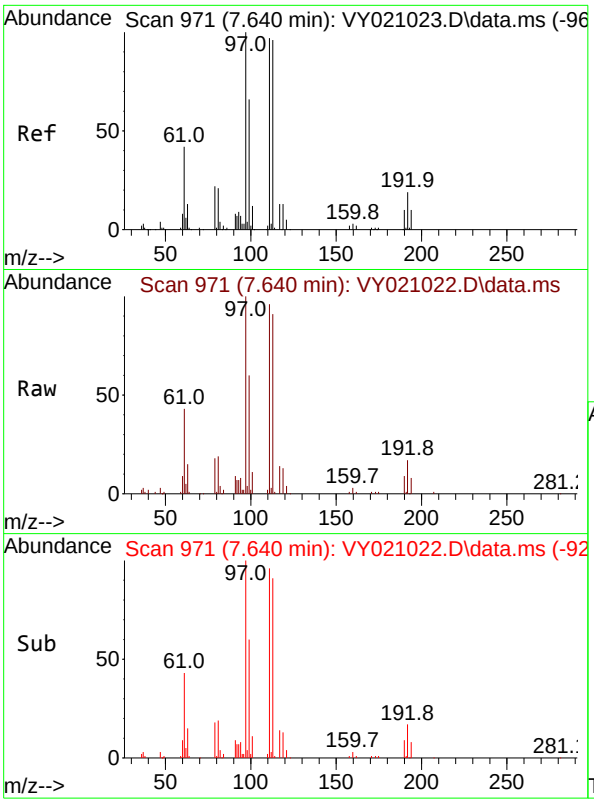


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:114 Resp: 284501

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	37.2
88	15.0	0.0	29.6

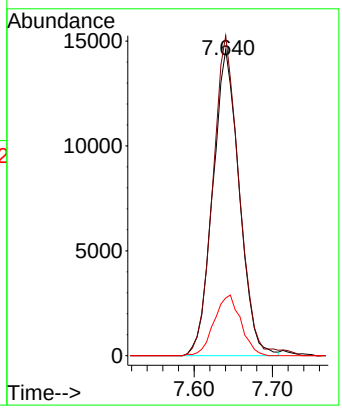




#35
Dibromofluoromethane
Concen: 20.042 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:113 Resp: 3427

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	20.0	16.8	25.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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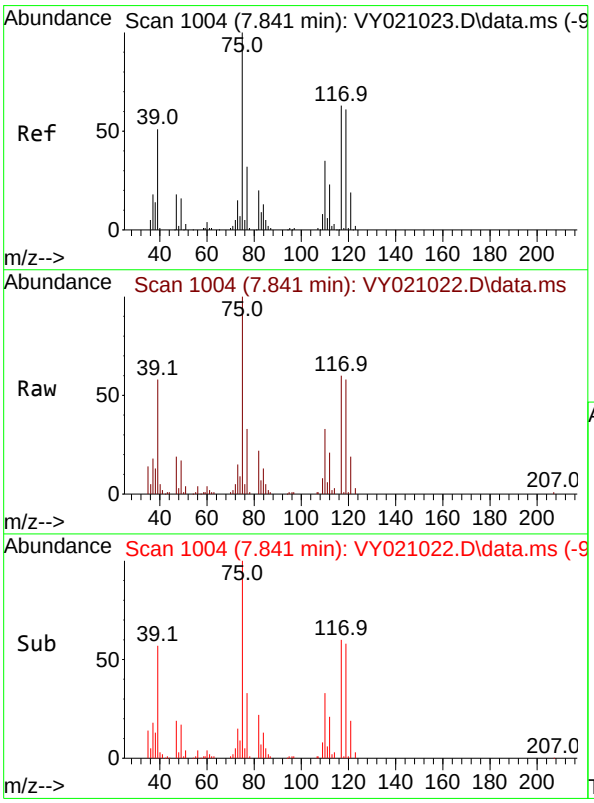
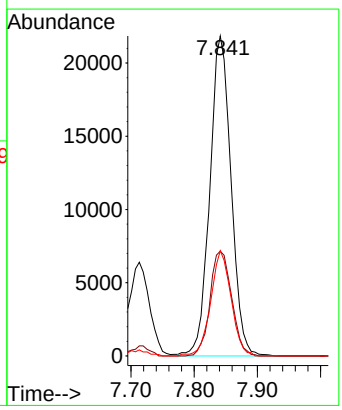
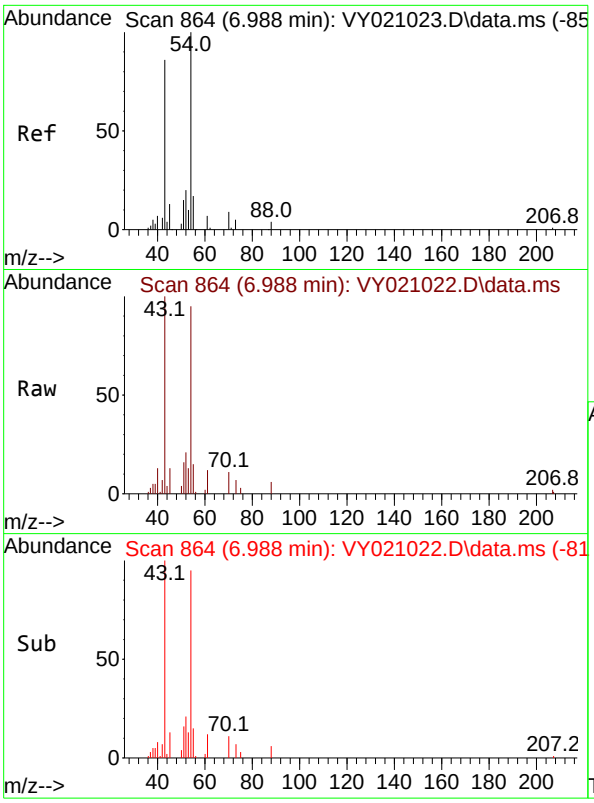


#36
1,1-Dichloropropene
Concen: 20.868 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 50918

Ion	Ratio	Lower	Upper
75	100		
110	33.3	18.4	55.2
77	31.6	24.9	37.3





#37
Ethyl Acetate
Concen: 26.080 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 2372

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.0
70	9.2	9.6	14.4

Instrument :
MSVOA_Y
ClientSampleId :
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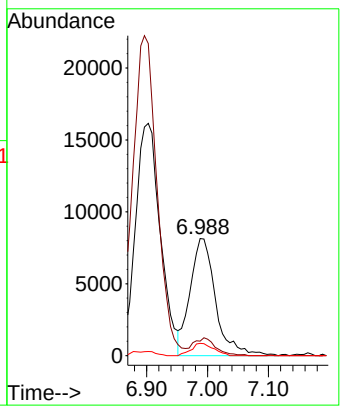
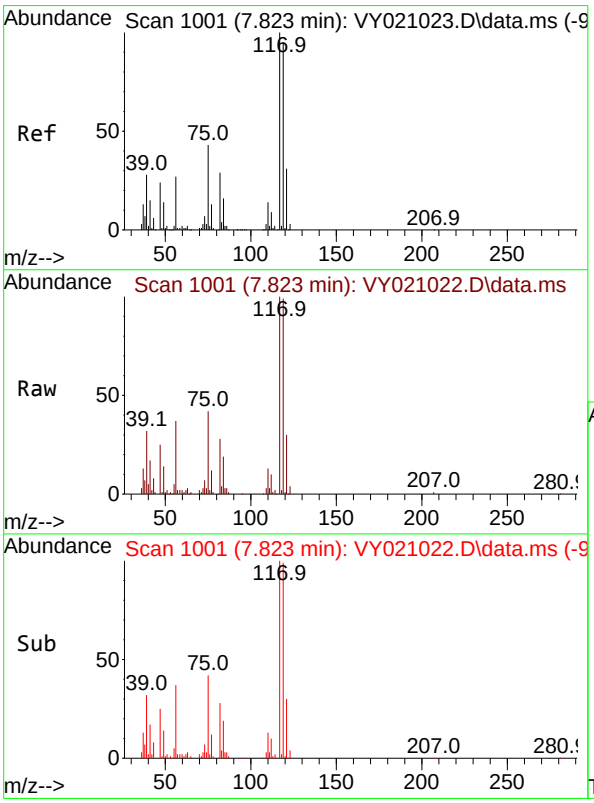
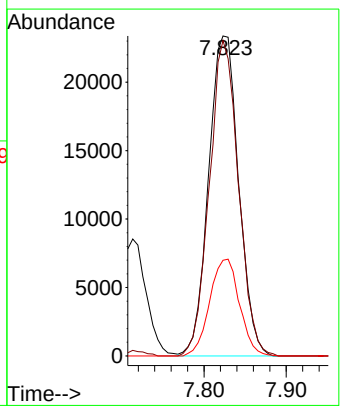


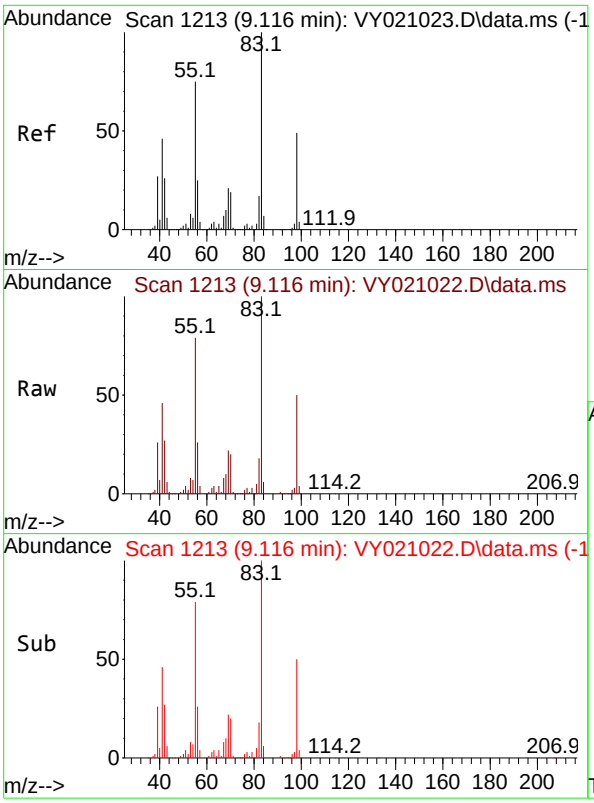


#38
Carbon Tetrachloride
Concen: 19.683 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 59433

Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.0	112.6
121	29.9	24.2	36.2





#39
Methylcyclohexane
Concen: 18.619 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 6102

Ion	Ratio	Lower	Upper
83	100		
55	78.9	54.9	82.3
98	49.7	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
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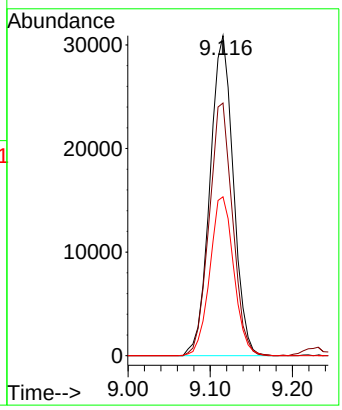
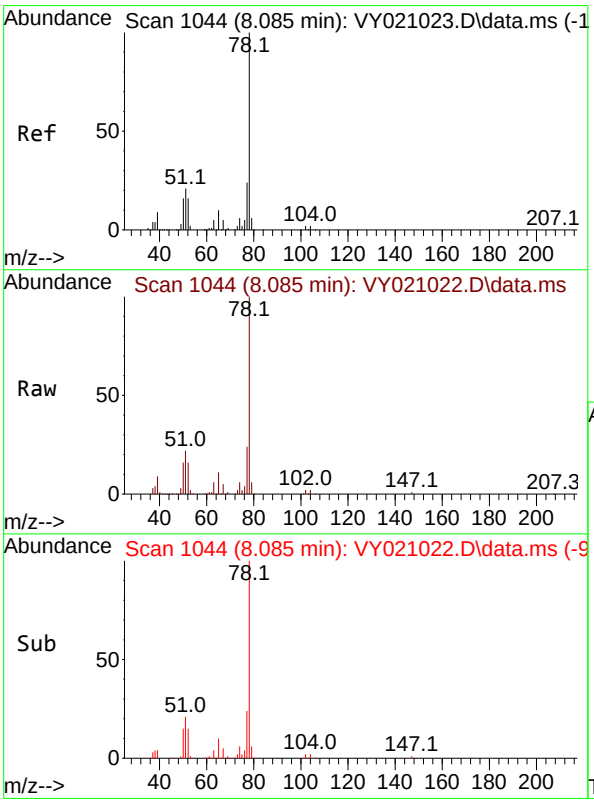
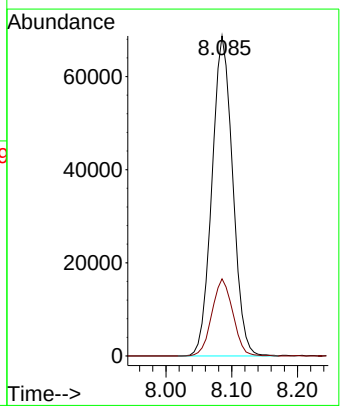


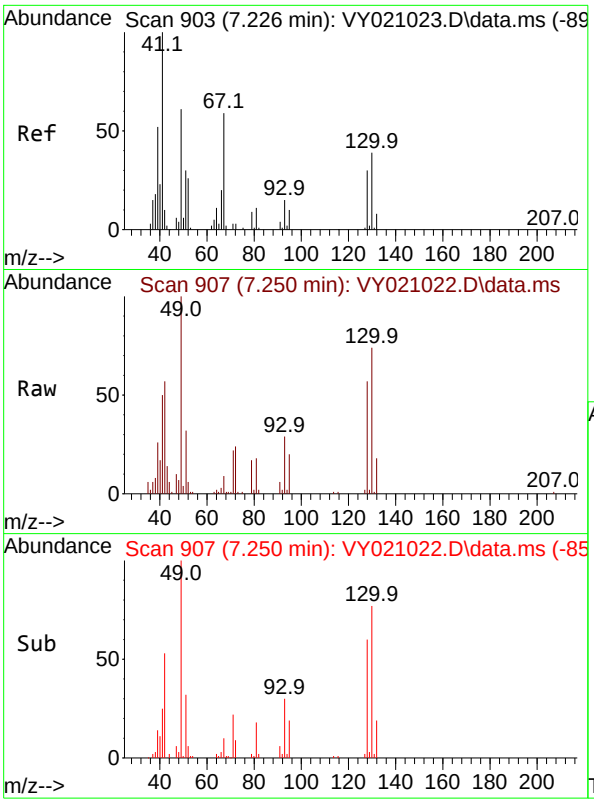


#40
Benzene
Concen: 21.027 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 78 Resp: 150967

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.2

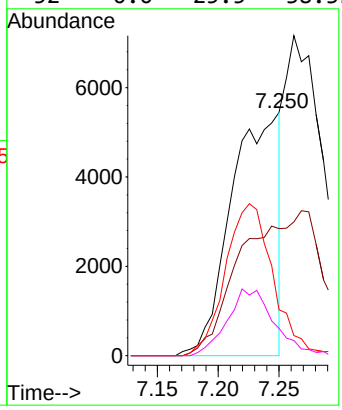




#41
Methacrylonitrile
Concen: 30.084 ug/l m
RT: 7.250 min Scan# 9
Delta R.T. 0.025 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 1514

Ion	Ratio	Lower	Upper
41	100		
39	102.2	41.6	62.4#
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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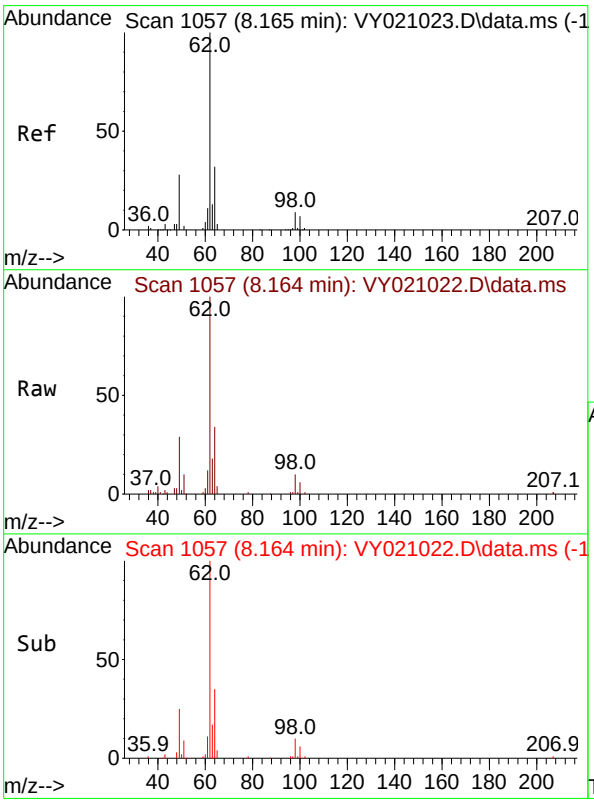
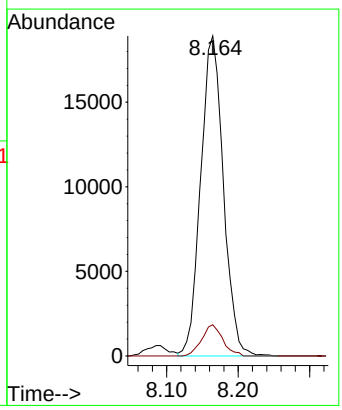
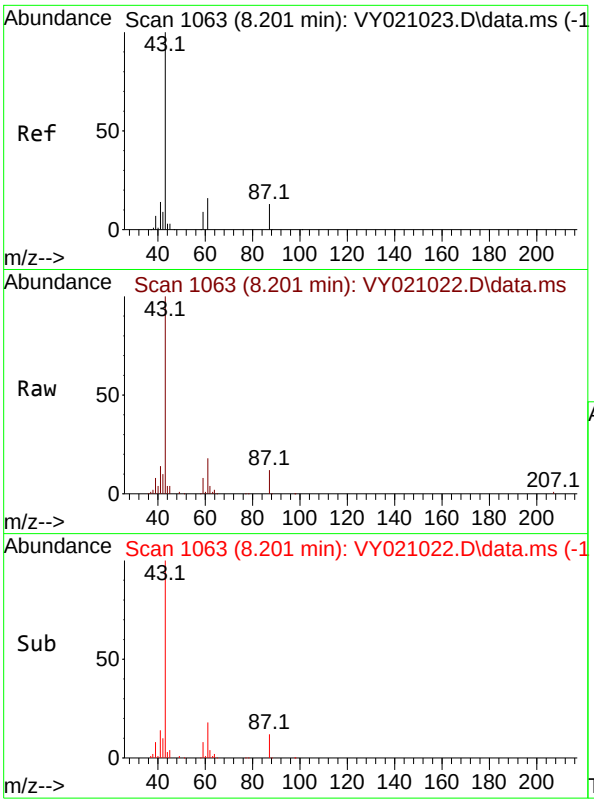


#42
1,2-Dichloroethane
Concen: 22.916 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 41726

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.4





#43
Isopropyl Acetate
Concen: 25.040 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 4550

Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.6
87	13.5	12.5	18.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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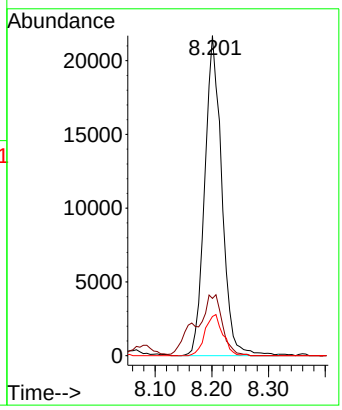
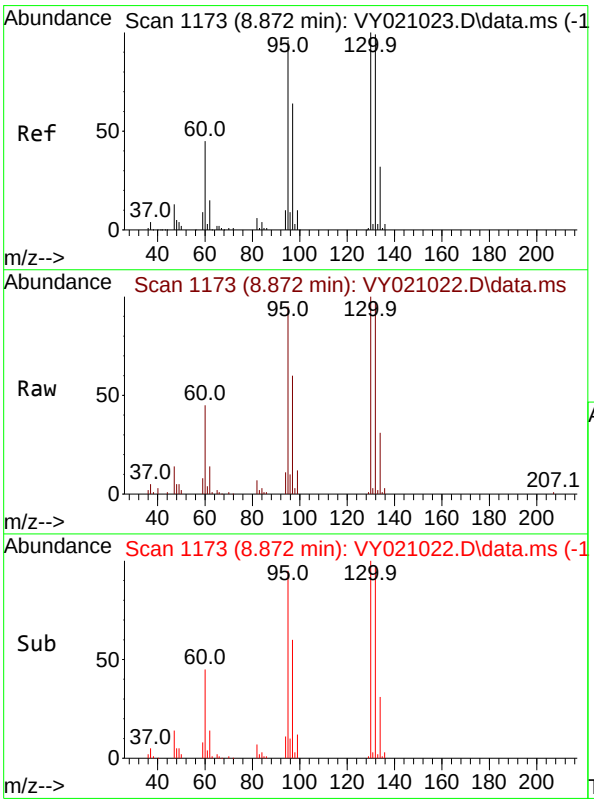
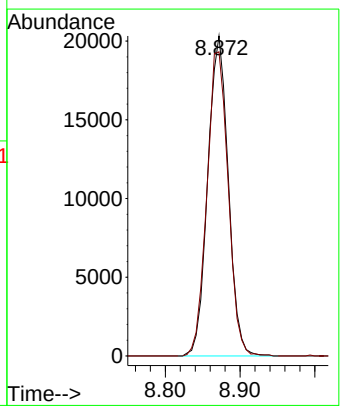


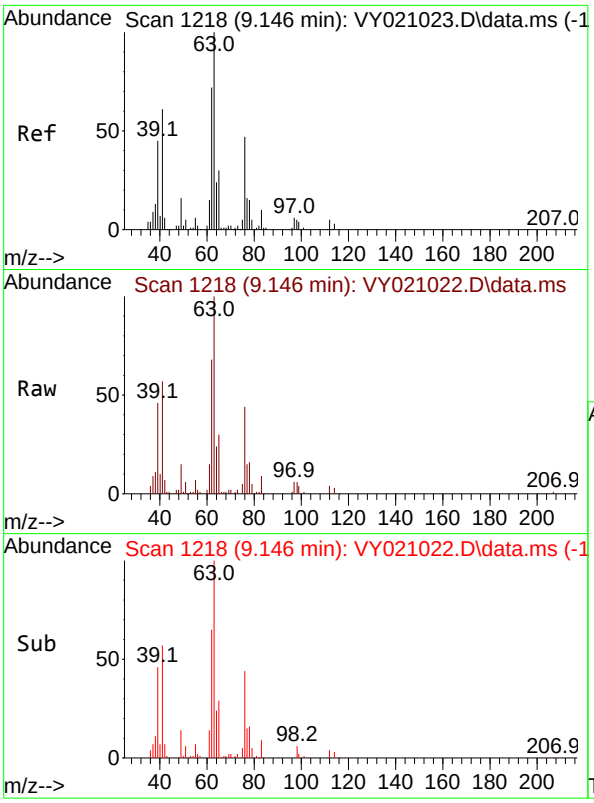


#44
Trichloroethene
Concen: 19.606 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:130 Resp: 38841

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	189.6

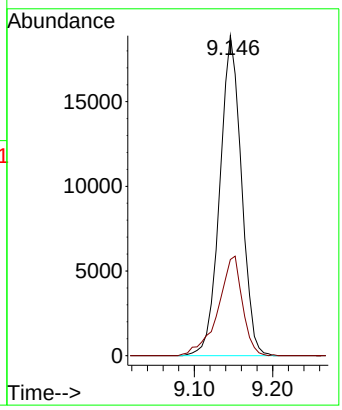




#45
1,2-Dichloropropane
Concen: 22.538 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 3626

Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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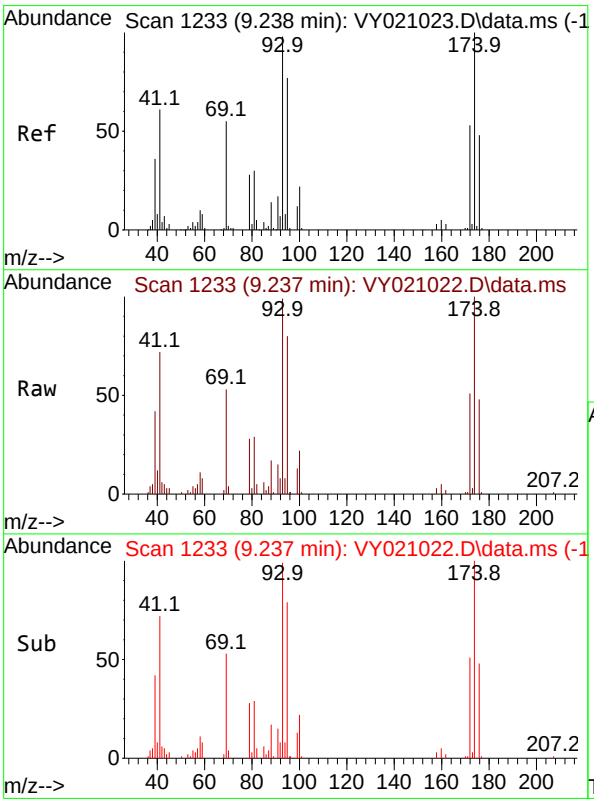
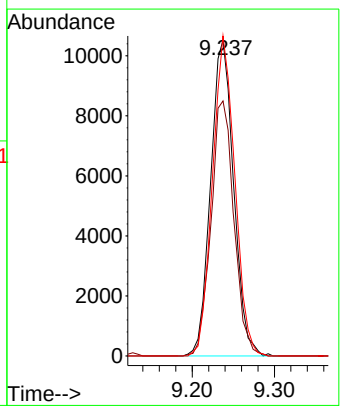
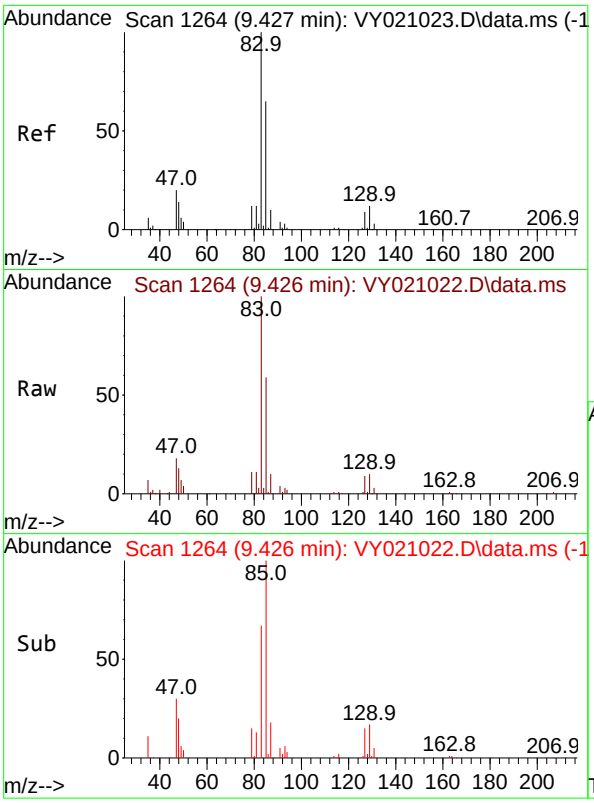


#46
Dibromomethane
Concen: 21.802 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 93 Resp: 20417

Ion	Ratio	Lower	Upper
93	100		
95	80.6	65.8	98.8
174	98.9	88.1	132.1

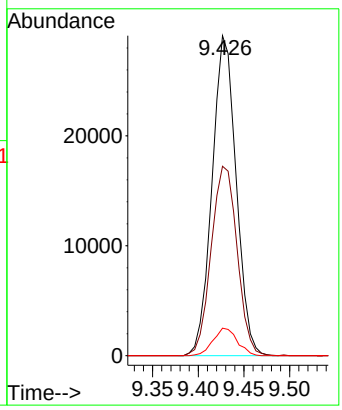




#47
Bromodichloromethane
Concen: 21.723 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 5342

Ion	Ratio	Lower	Upper
83	100		
85	59.2	49.6	74.4
127	8.6	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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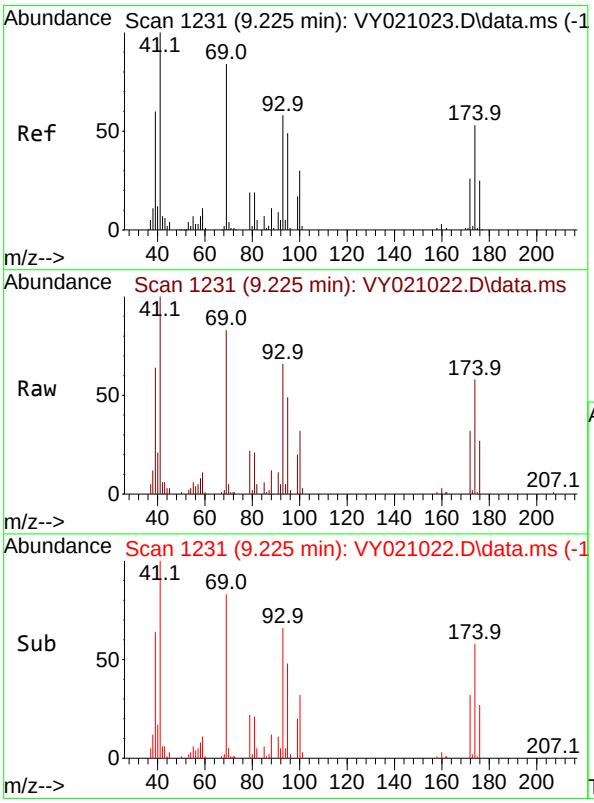
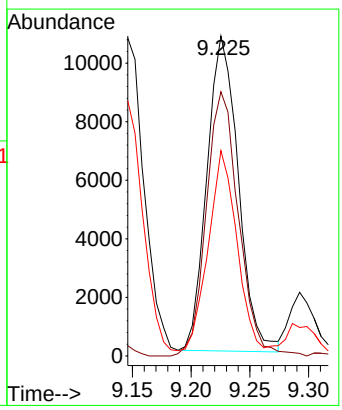
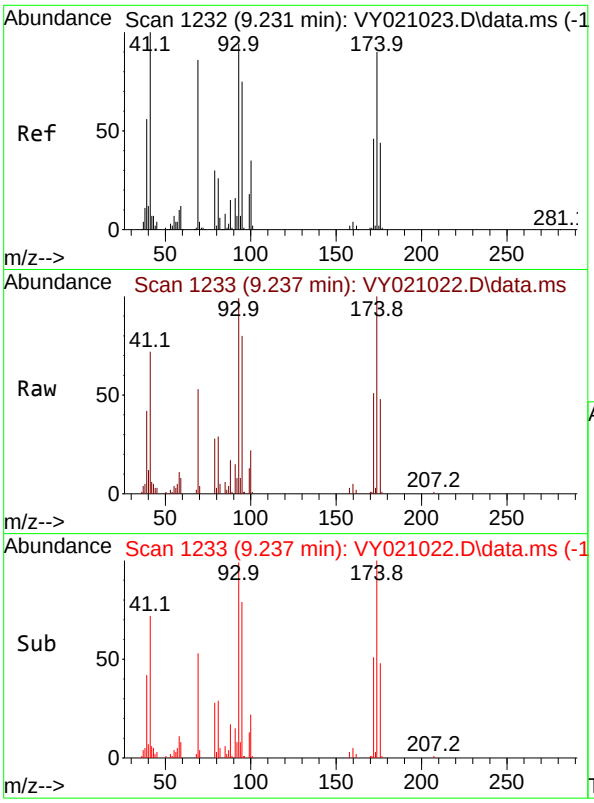


#48
Methyl methacrylate
Concen: 23.066 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 19957

Ion	Ratio	Lower	Upper
41	100		
69	86.6	75.6	113.4
39	58.1	41.3	61.9

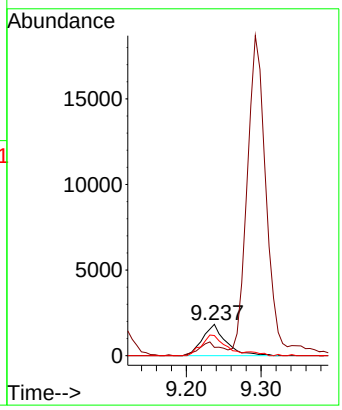




#49
1,4-Dioxane
Concen: 395.839 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 88 Resp: 393

Ion	Ratio	Lower	Upper
88	100		
43	40.0	24.2	36.4
58	66.2	57.3	85.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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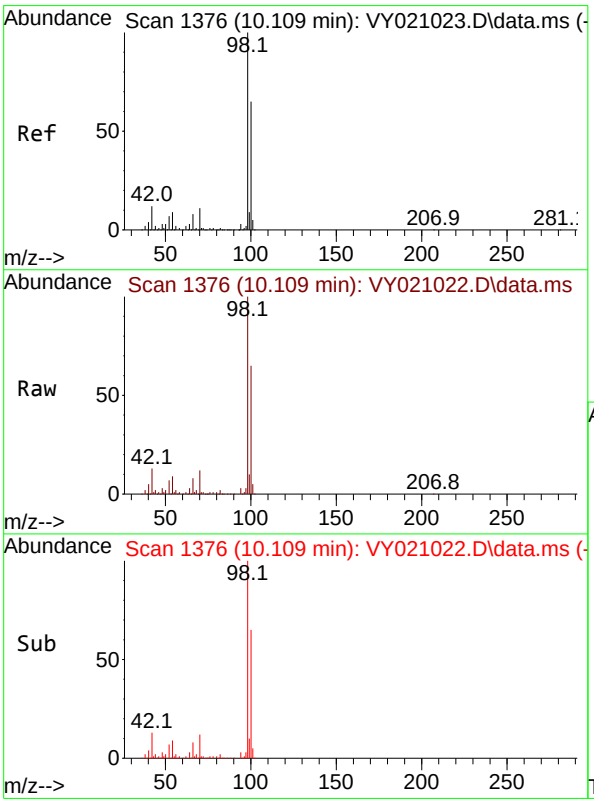
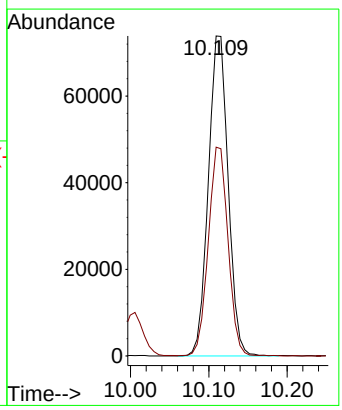
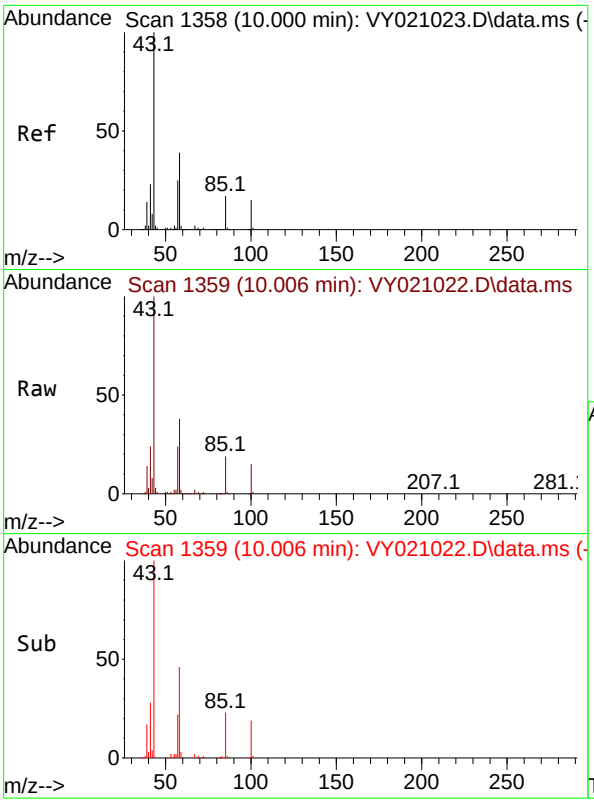


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 98 Resp: 129662

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0

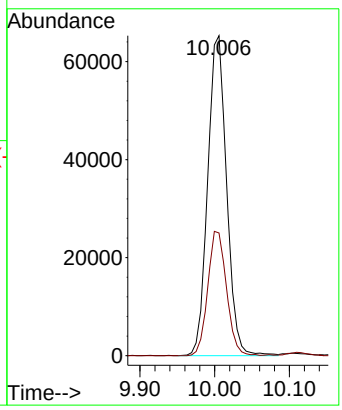




#51
4-Methyl-2-Pentanone
Concen: 122.983 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 11484

Ion	Ratio	Lower	Upper
43	100		
58	38.6	33.8	50.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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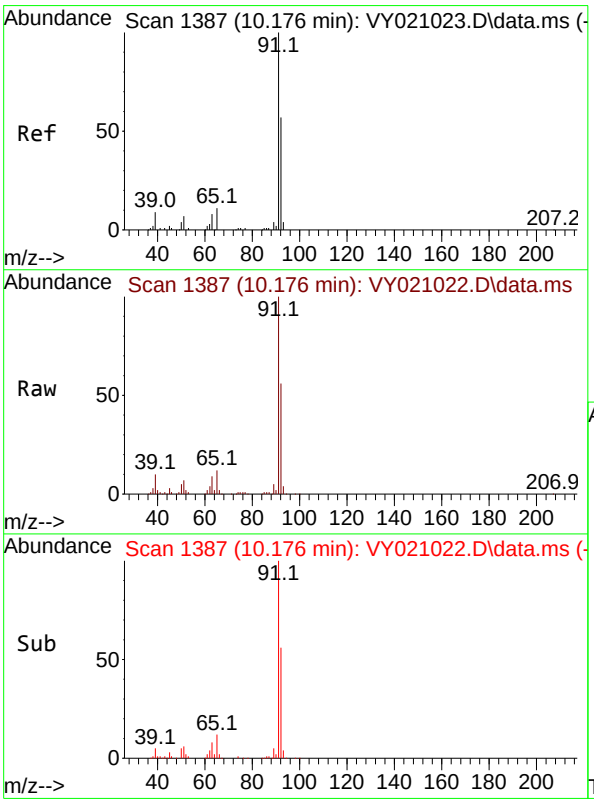
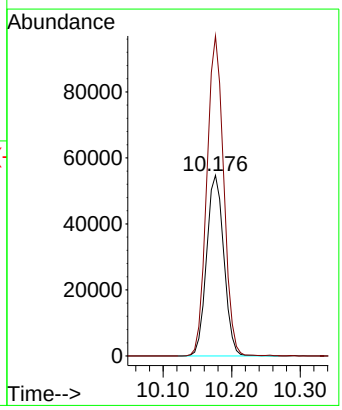
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

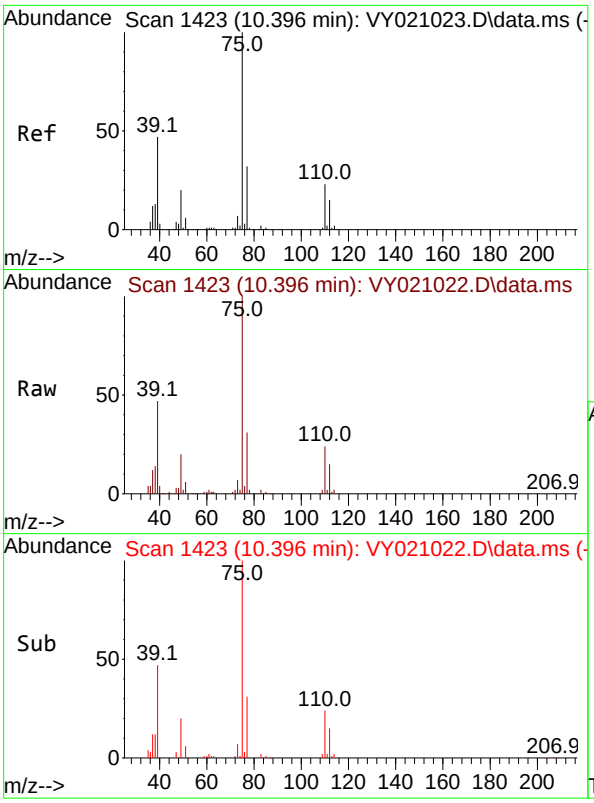


#52
Toluene
Concen: 20.517 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 92 Resp: 95614

Ion	Ratio	Lower	Upper
92	100		
91	172.9	135.8	203.8

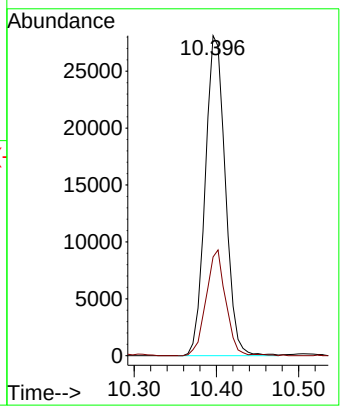




#53
t-1,3-Dichloropropene
Concen: 21.429 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4769

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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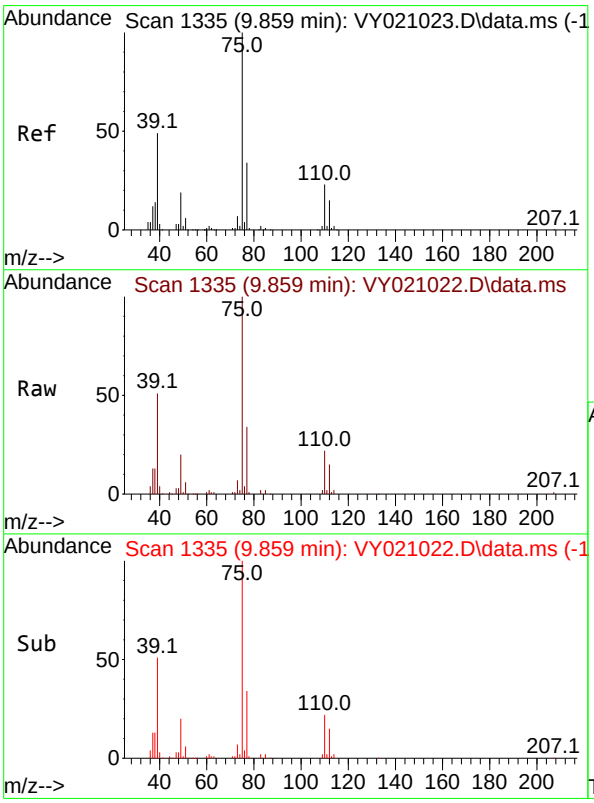
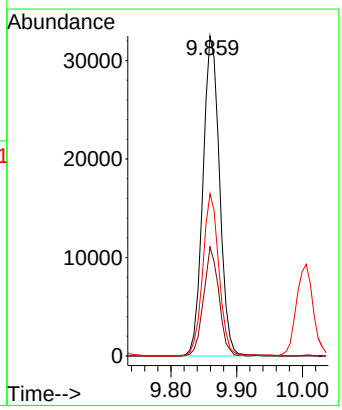
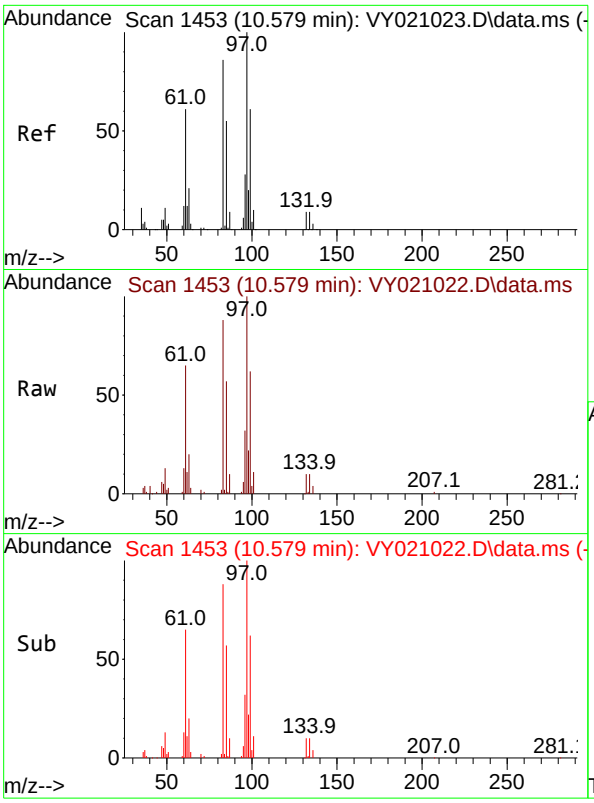


#54
cis-1,3-Dichloropropene
Concen: 21.469 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 57105

Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.4	38.0
39	50.6	32.2	48.2#

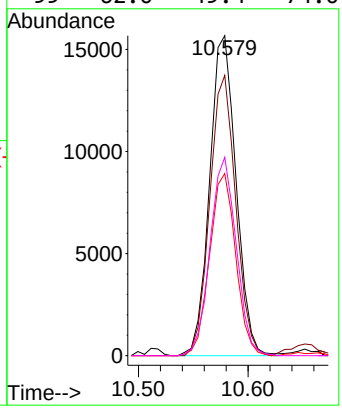




#55
1,1,2-Trichloroethane
Concen: 21.129 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 97 Resp: 2631

Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	56.9	43.4	65.2
99	62.0	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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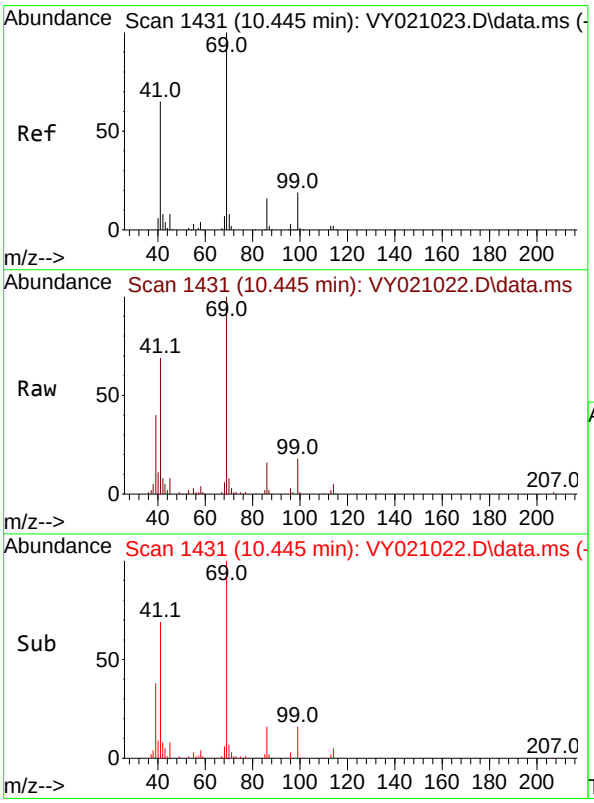
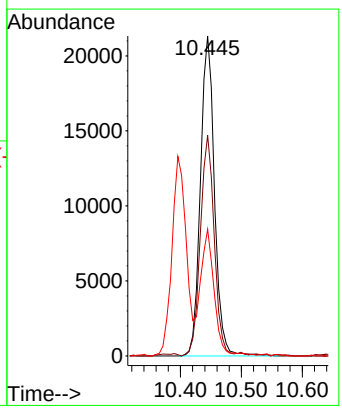
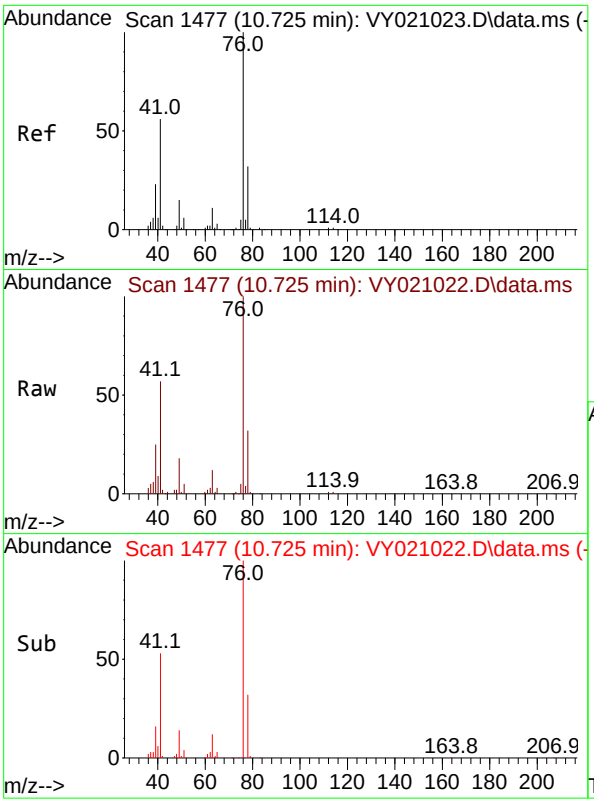


#56
Ethyl methacrylate
Concen: 20.963 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 69 Resp: 34126

Ion	Ratio	Lower	Upper
69	100		
41	68.3	46.3	69.5
39	38.8	24.5	36.7#

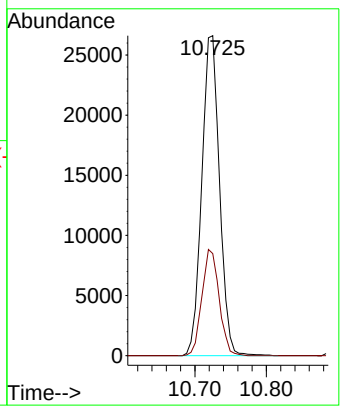




#57
1,3-Dichloropropane
Concen: 21.690 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 76 Resp: 4578

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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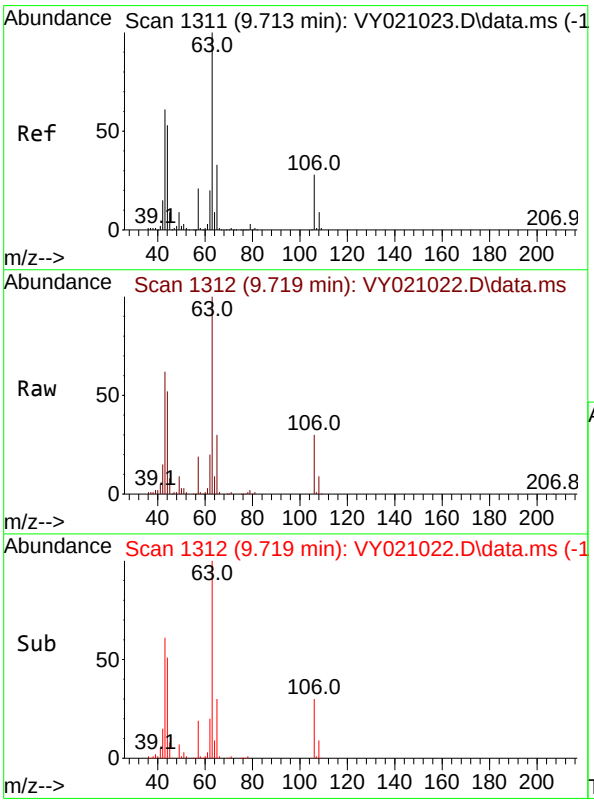
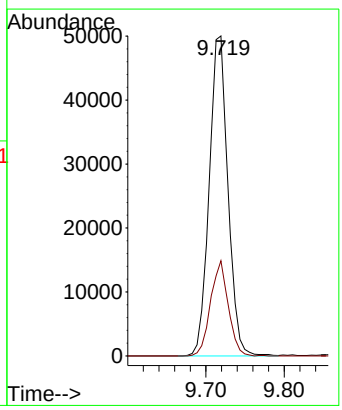
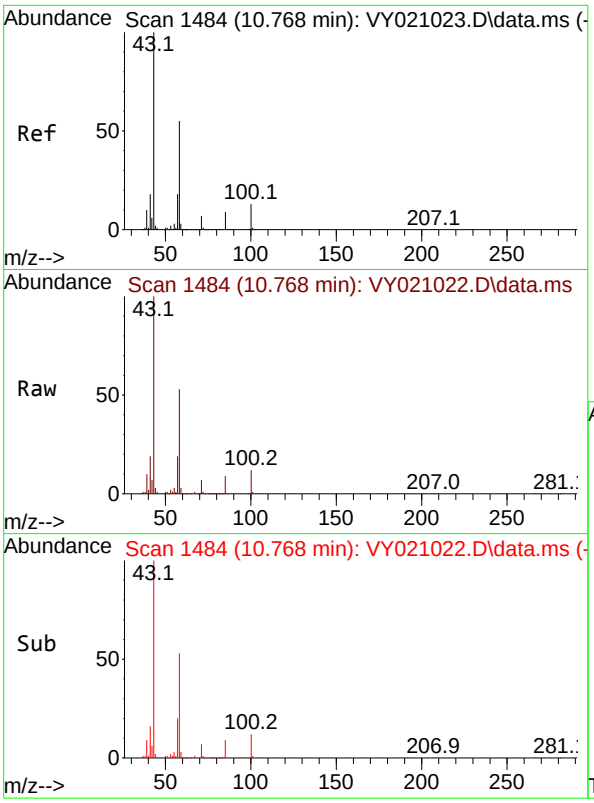


#58
2-Chloroethyl Vinyl ether
Concen: 120.208 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 83057

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1

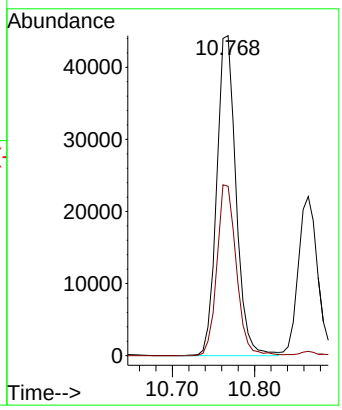




#59
2-Hexanone
Concen: 119.535 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 7255

Ion	Ratio	Lower	Upper
43	100		
58	53.6	29.8	89.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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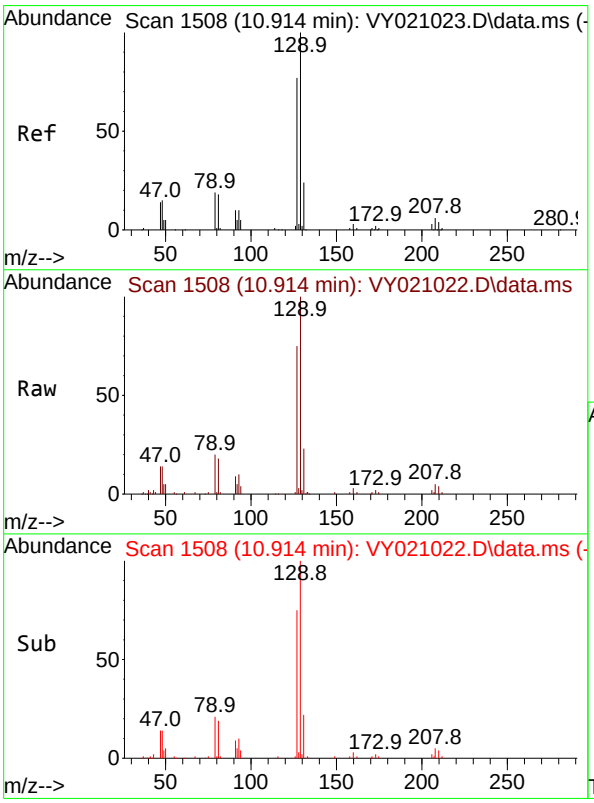
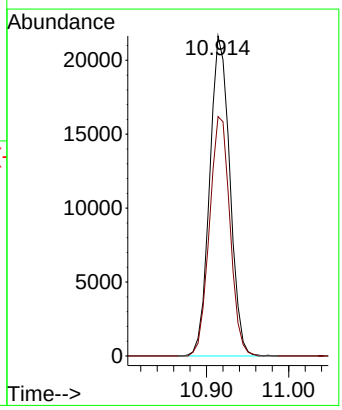
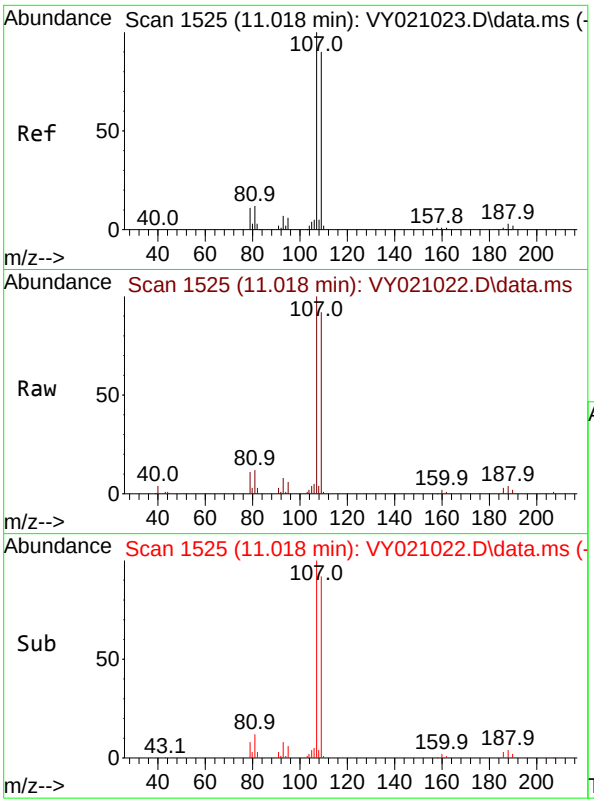


#60
Dibromochloromethane
Concen: 20.754 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:129 Resp: 36853

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.5	115.3

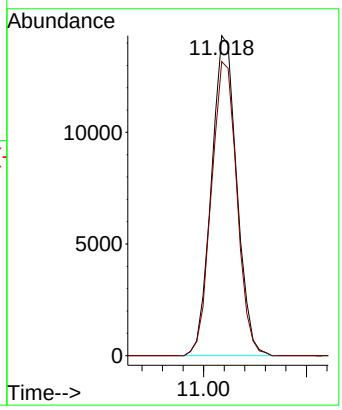




#61
1,2-Dibromoethane
Concen: 20.600 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:107 Resp: 2450

Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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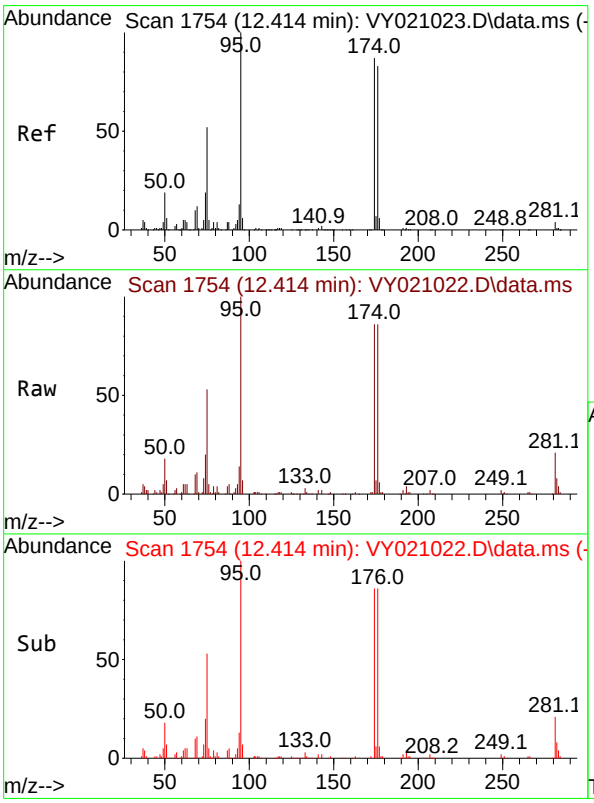
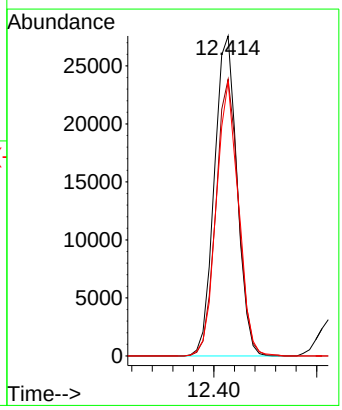
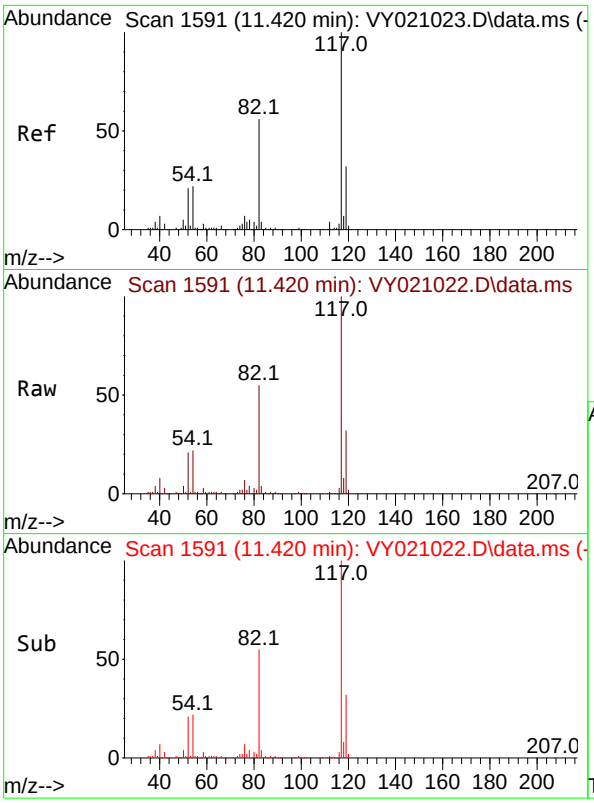


#62
4-Bromofluorobenzene
Concen: 18.831 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 95 Resp: 42182

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	181.2
176	84.1	0.0	175.2

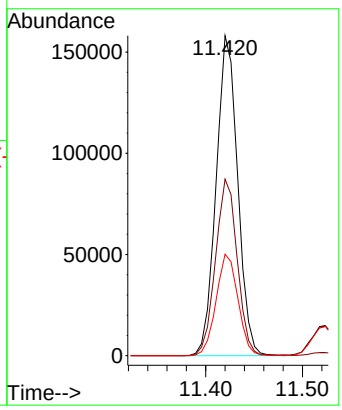




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 24459

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	31.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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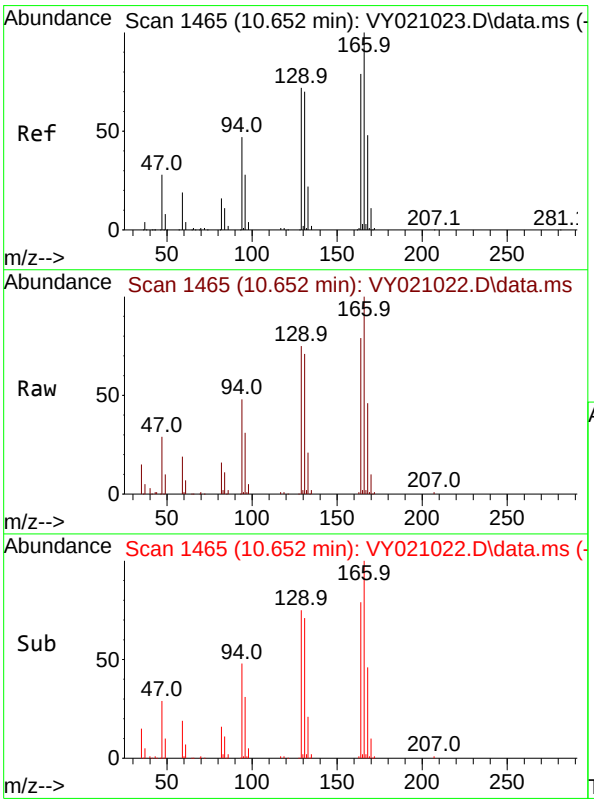
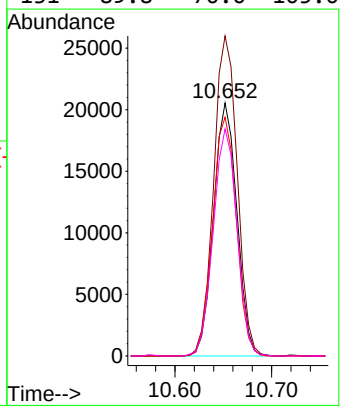
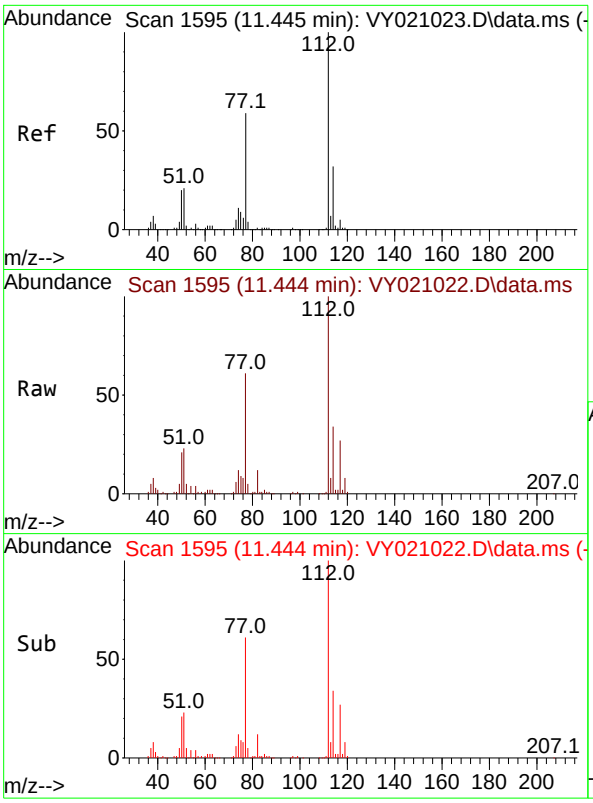


#64
Tetrachloroethene
Concen: 18.655 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:164 Resp: 34418

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.4	150.6
129	94.4	70.8	106.2
131	89.8	70.0	105.0

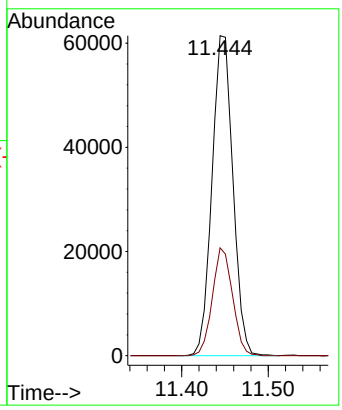




#65
Chlorobenzene
Concen: 20.015 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:112 Resp: 10314

Ion	Ratio	Lower	Upper
112	100		
114	33.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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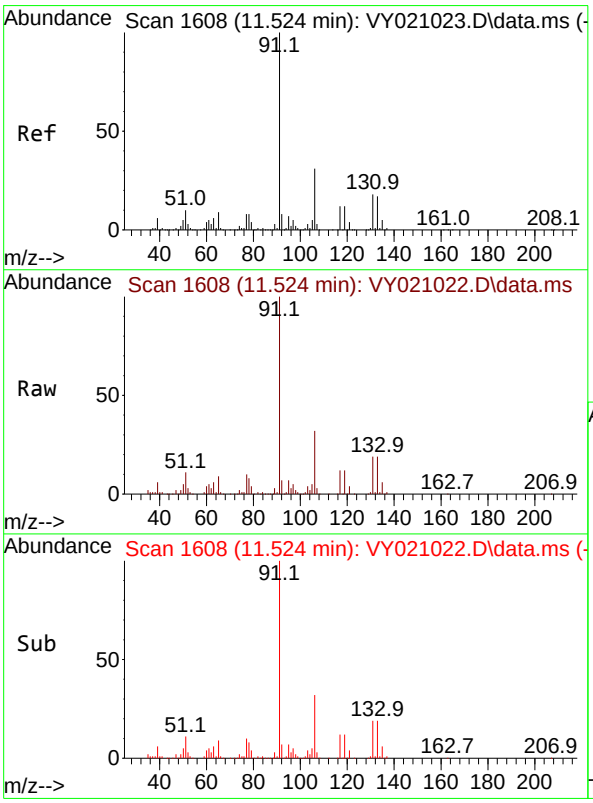
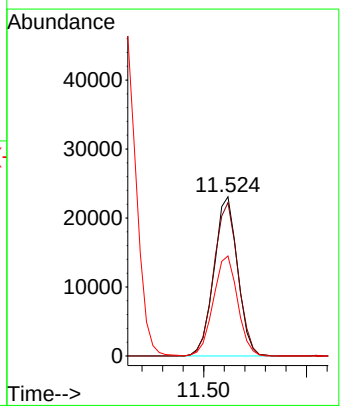
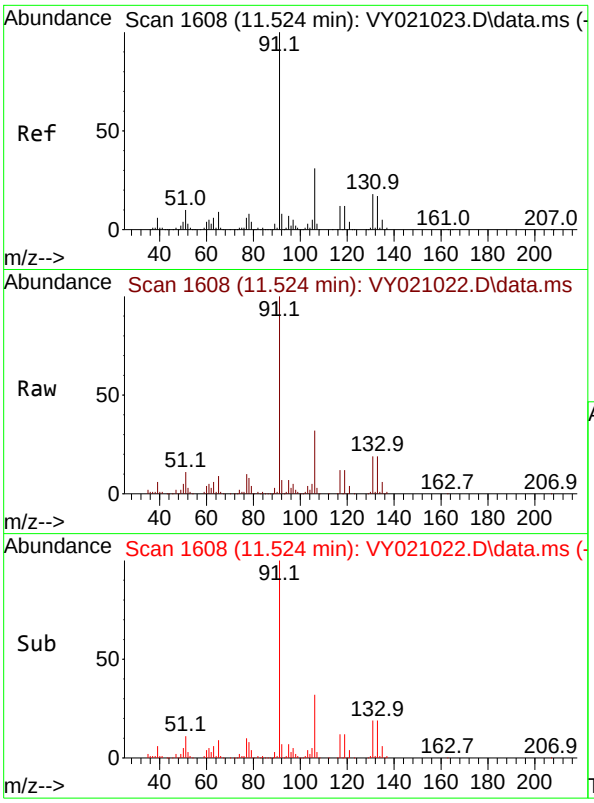


#66
1,1,1,2-Tetrachloroethane
Concen: 20.130 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:131 Resp: 36817

Ion	Ratio	Lower	Upper
131	100		
133	98.5	48.7	146.1
119	64.4	31.4	94.3





#67
Ethyl Benzene
Concen: 20.446 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 18243

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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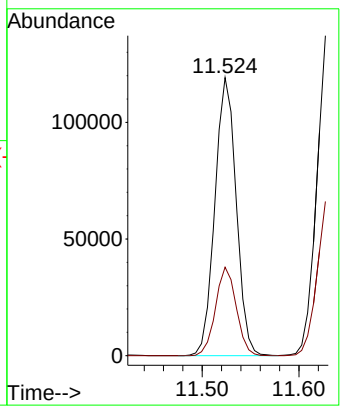
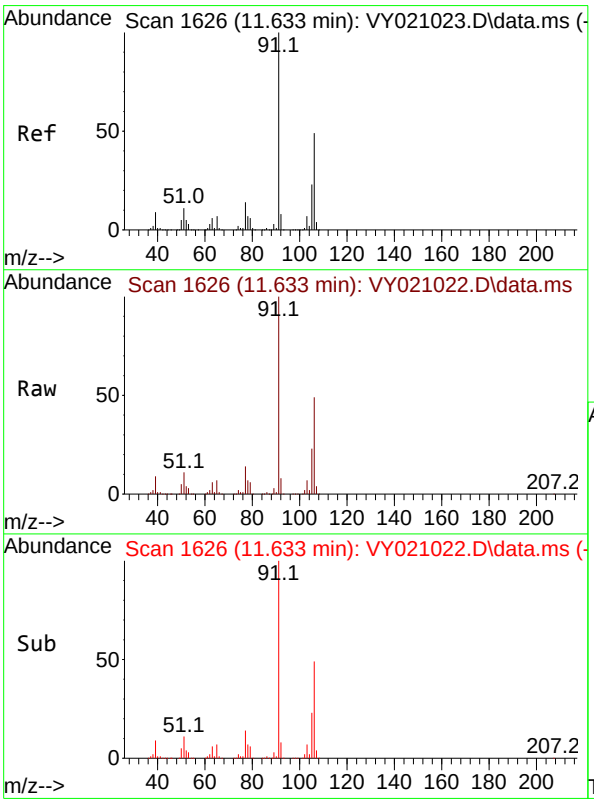
Supervised By :Semsettin Yesilyurt 02/04/2025

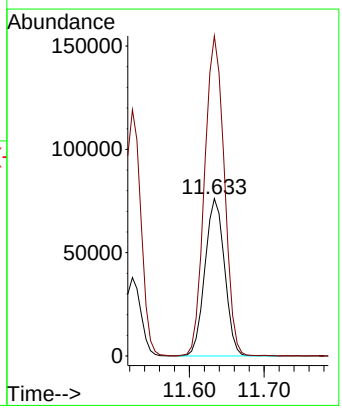


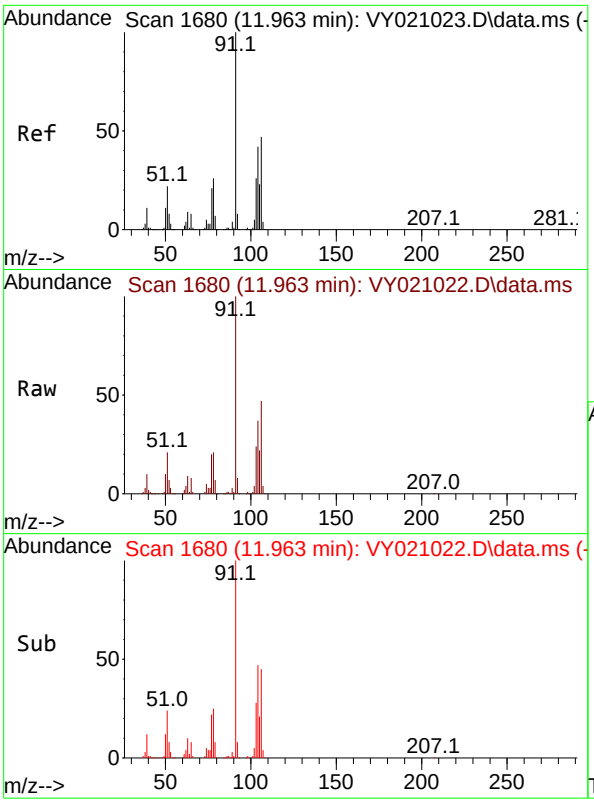


#68
m/p-Xylenes
Concen: 40.497 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:106 Resp: 138826

Ion	Ratio	Lower	Upper
106	100		
91	204.4	160.0	240.0





#69
o-Xylene
Concen: 20.276 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:106 Resp: 6461

Ion	Ratio	Lower	Upper
106	100		
91	214.7	105.8	317.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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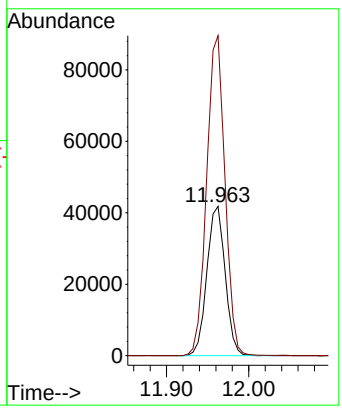
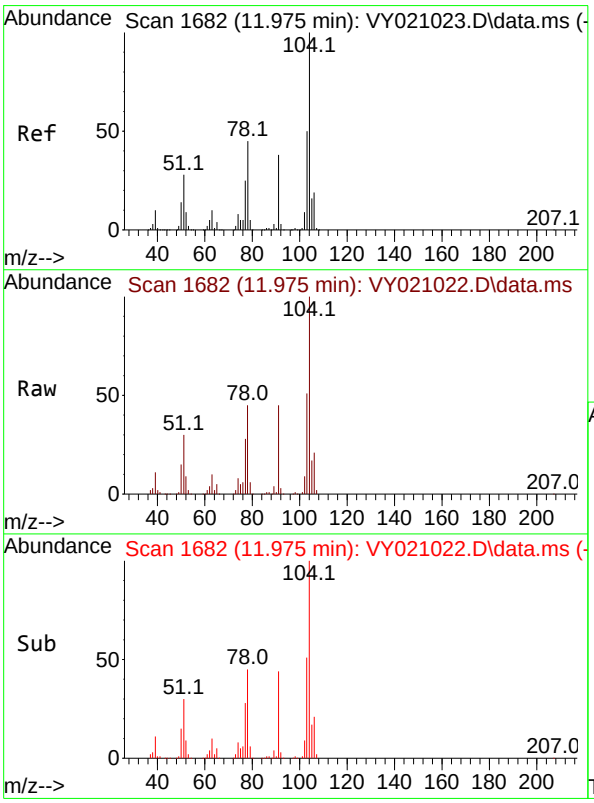
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

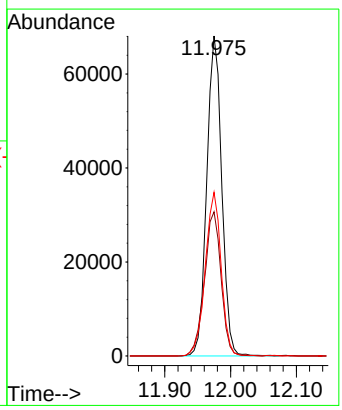


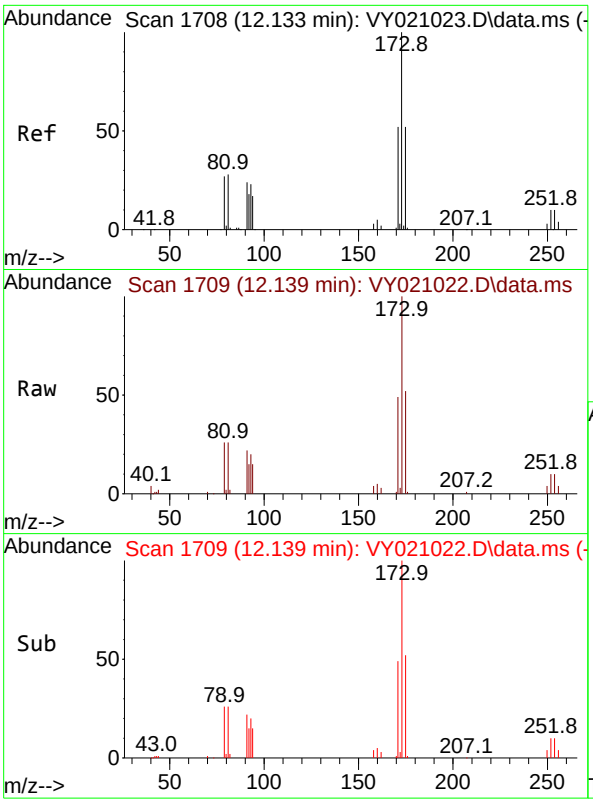


#70
Styrene
Concen: 20.439 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:104 Resp: 108143

Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.0	58.4
103	54.2	43.7	65.5

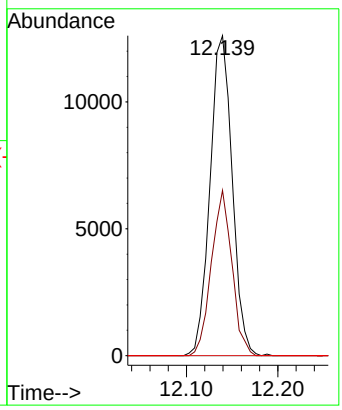




#71
Bromoform
Concen: 19.718 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:173 Resp: 2125

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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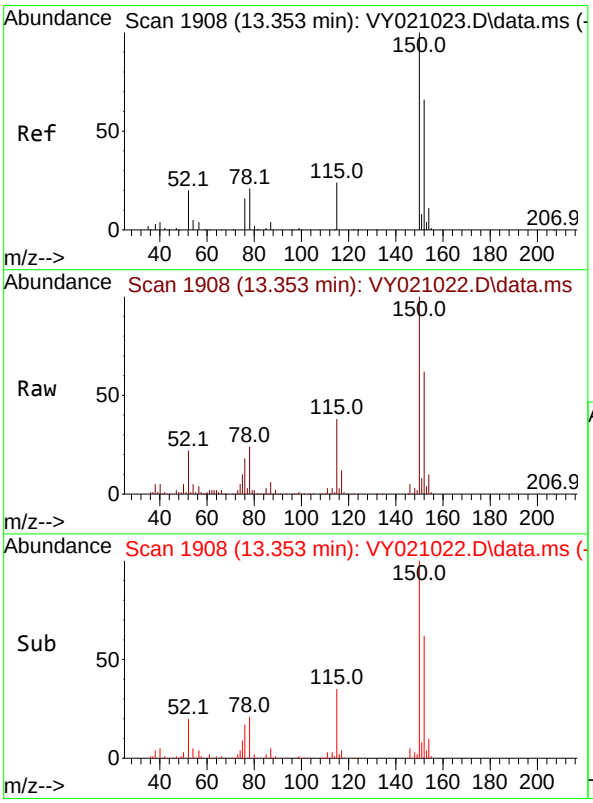
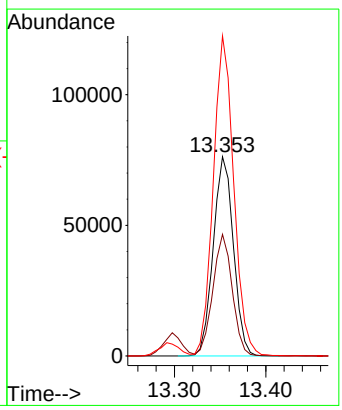
Supervised By :Semsettin Yesilyurt 02/04/2025

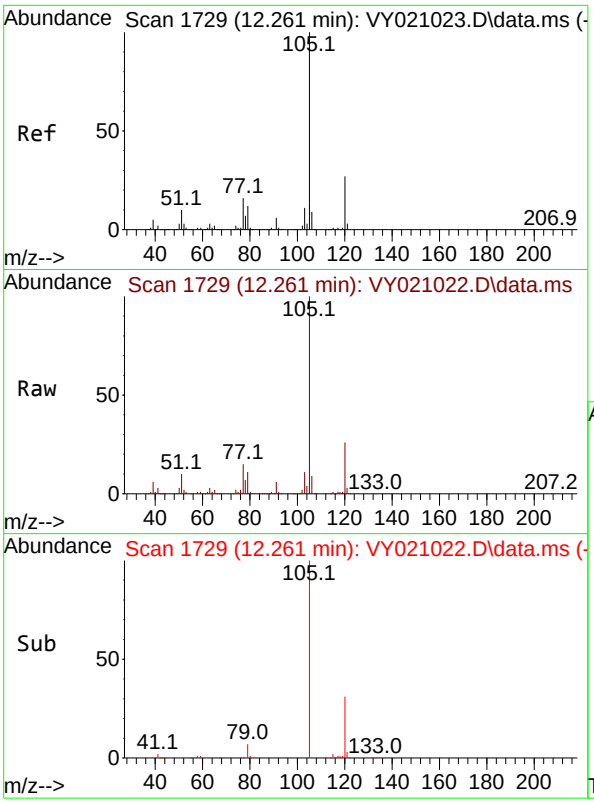


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:152 Resp: 116948

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.4	85.2
150	162.9	0.0	342.8

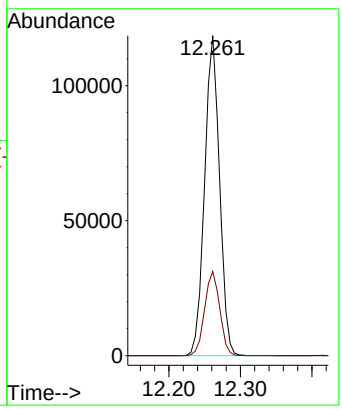




#73
Isopropylbenzene
Concen: 20.921 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 17183

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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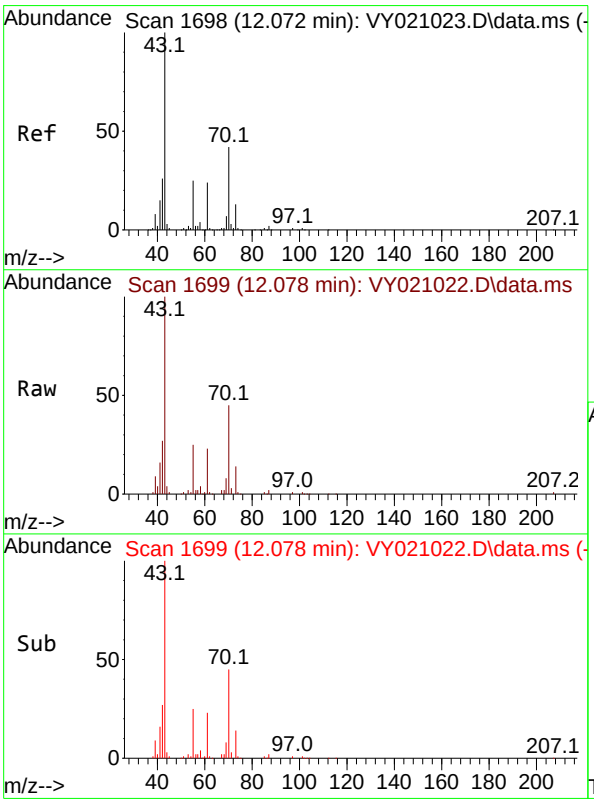
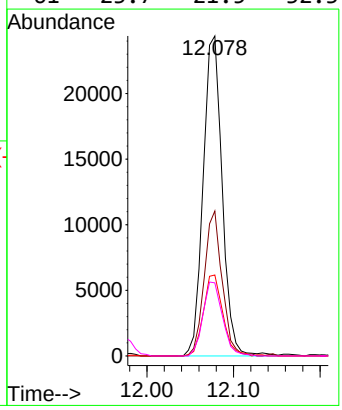
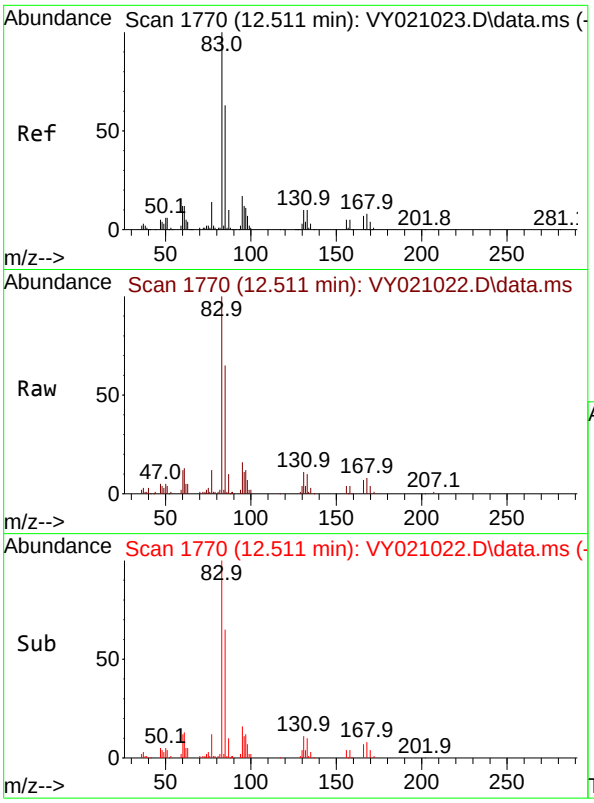


#74
N-amyl acetate
Concen: 24.896 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 37235

Ion	Ratio	Lower	Upper
43	100		
70	42.5	39.3	58.9
55	26.1	22.3	33.5
61	23.7	21.5	32.3

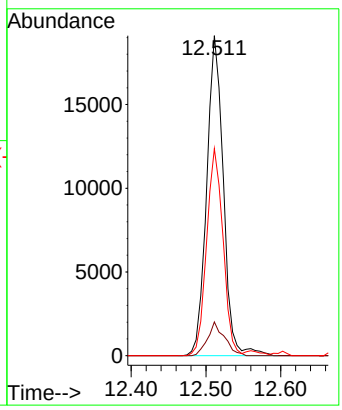




#75
1,1,2,2-Tetrachloroethane
Concen: 22.410 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 2971

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.1
85	63.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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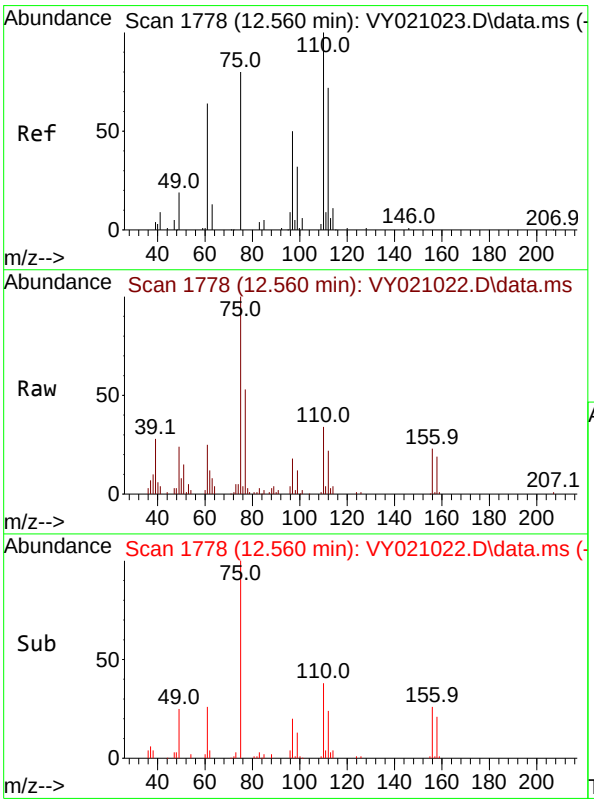
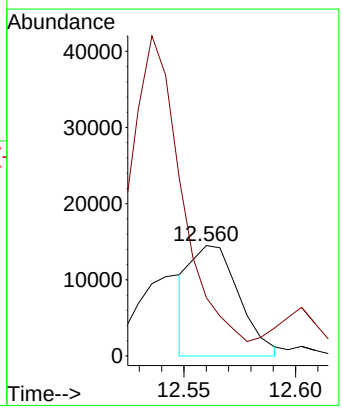
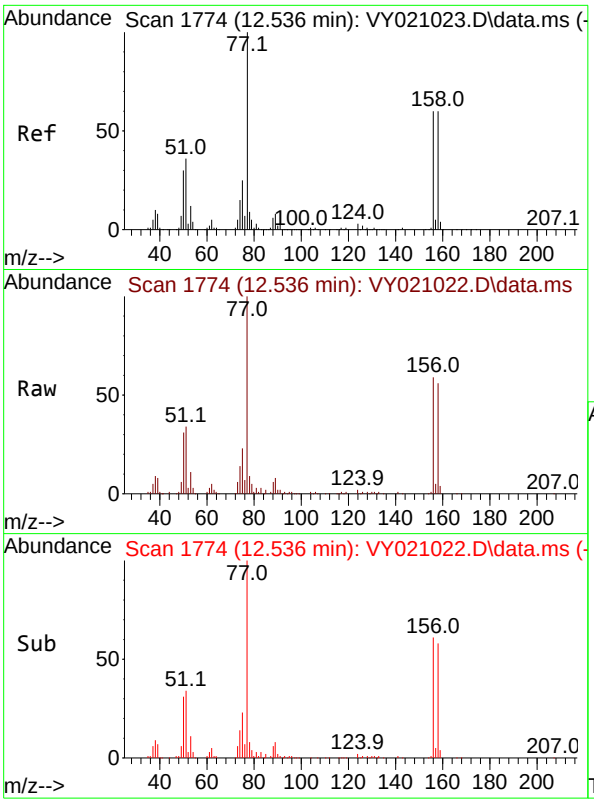


#76
1,2,3-Trichloropropane
Concen: 23.712 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 21952

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

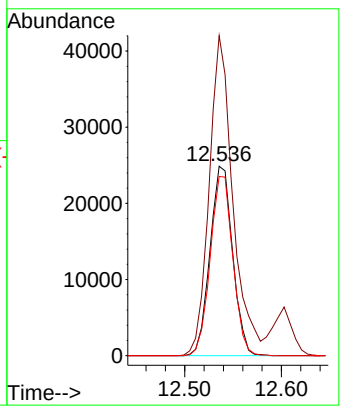




#77
Bromobenzene
Concen: 20.793 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:156 Resp: 4049

Ion	Ratio	Lower	Upper
156	100		
77	176.3	83.3	249.9
158	94.6	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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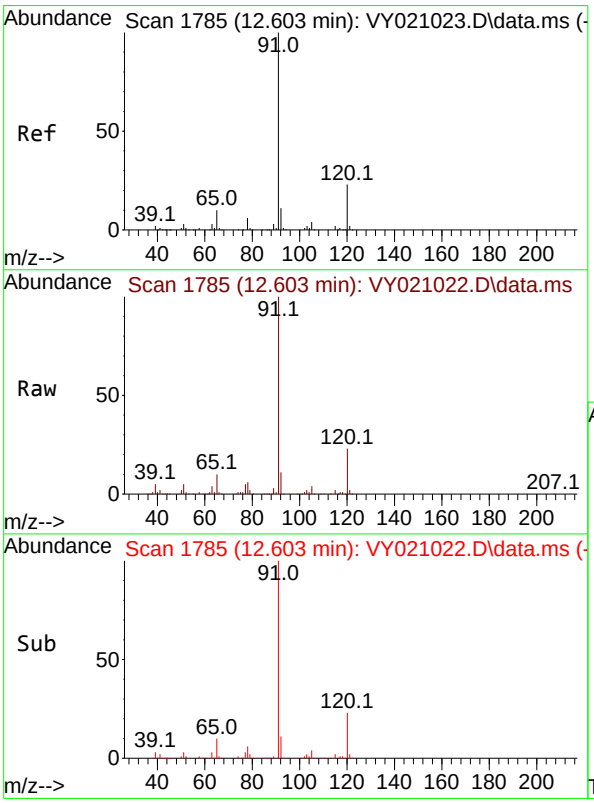
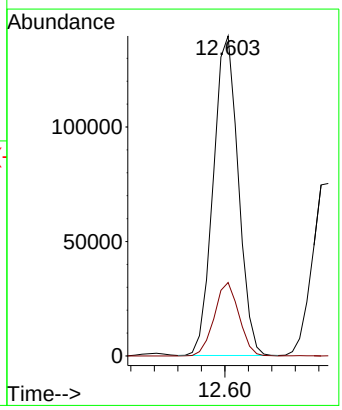
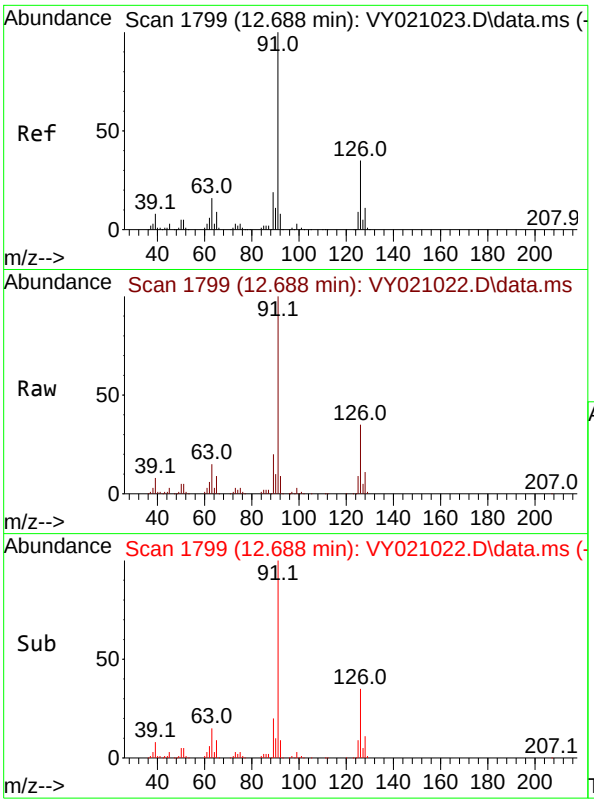


#78
n-propylbenzene
Concen: 21.429 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 206279

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.4





#79
2-Chlorotoluene
Concen: 21.638 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 11867

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/04/2025
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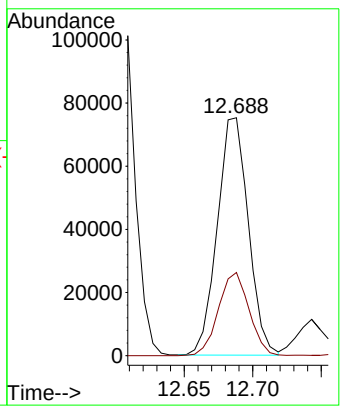
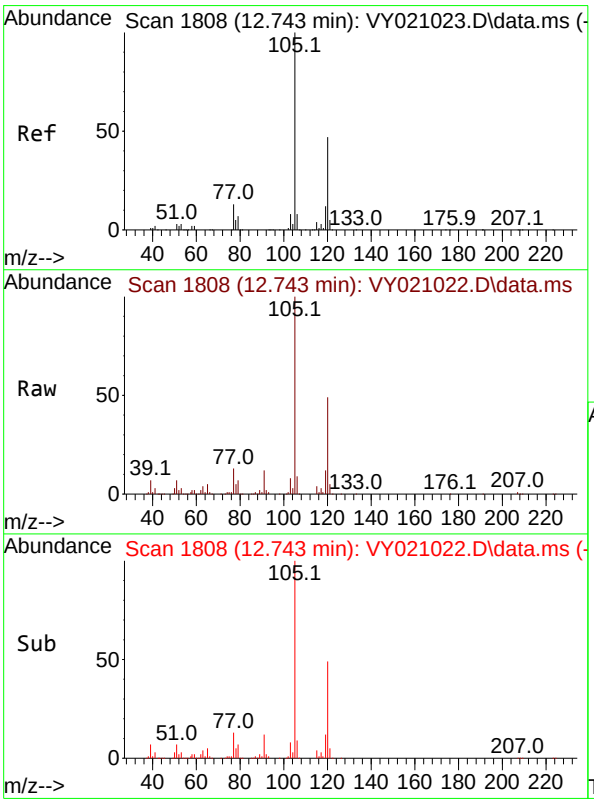
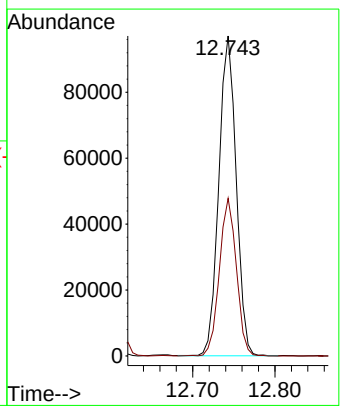


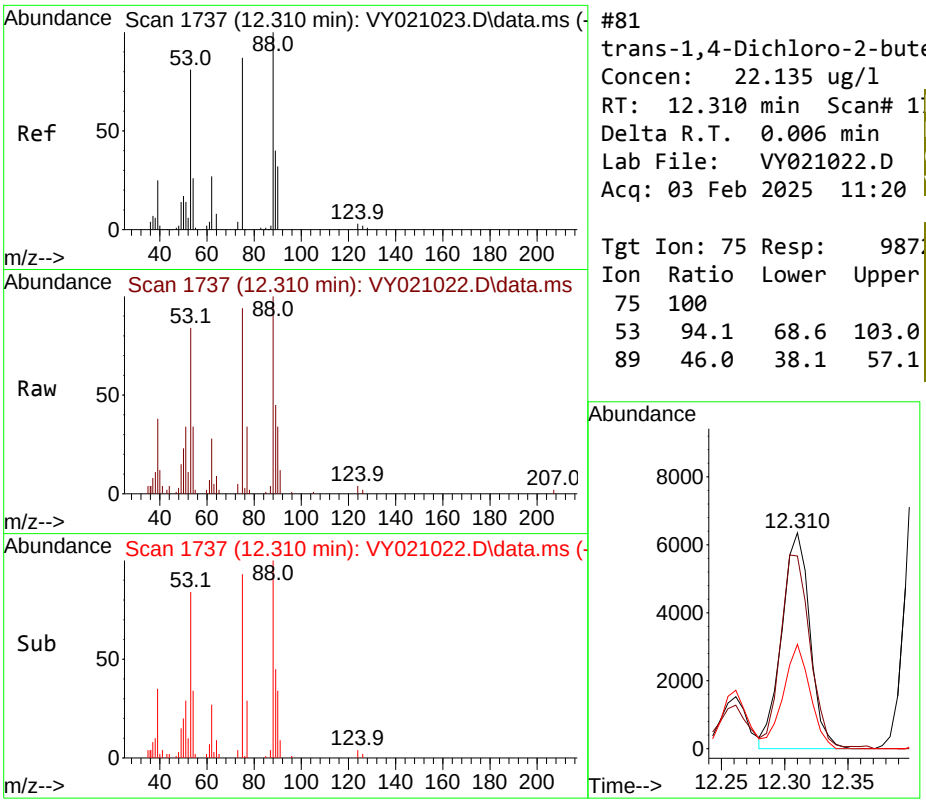


#80
1,3,5-Trimethylbenzene
Concen: 21.150 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 142319

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 22.135 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 987

Ion	Ratio	Lower	Upper
75	100		
53	94.1	68.6	103.0
89	46.0	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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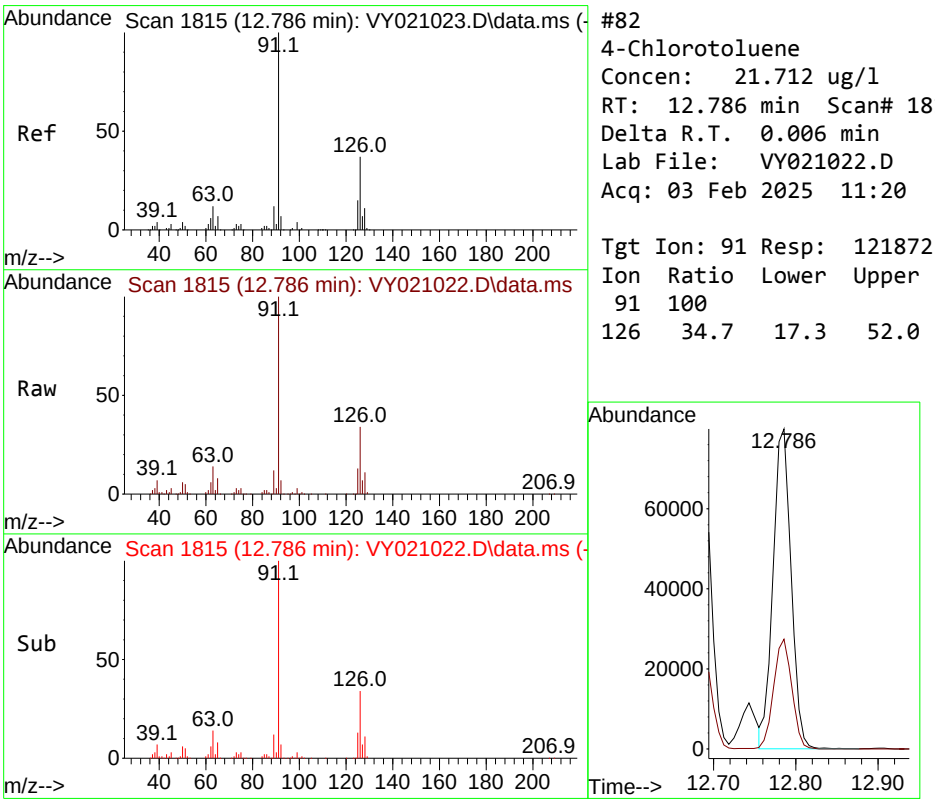
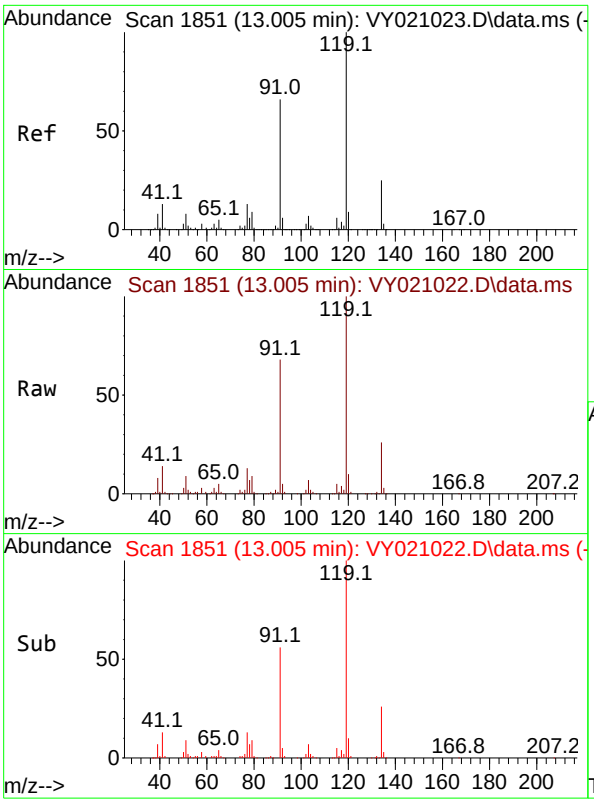


#82
4-Chlorotoluene
Concen: 21.712 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 121872

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0



#83
tert-Butylbenzene
Concen: 20.651 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 12888

Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.4	94.0
134	26.5	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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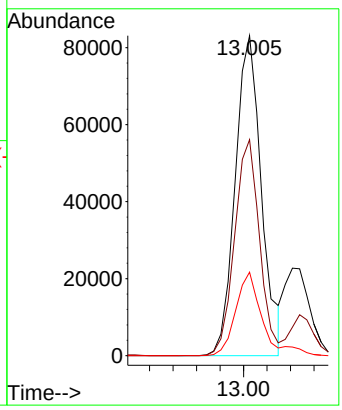
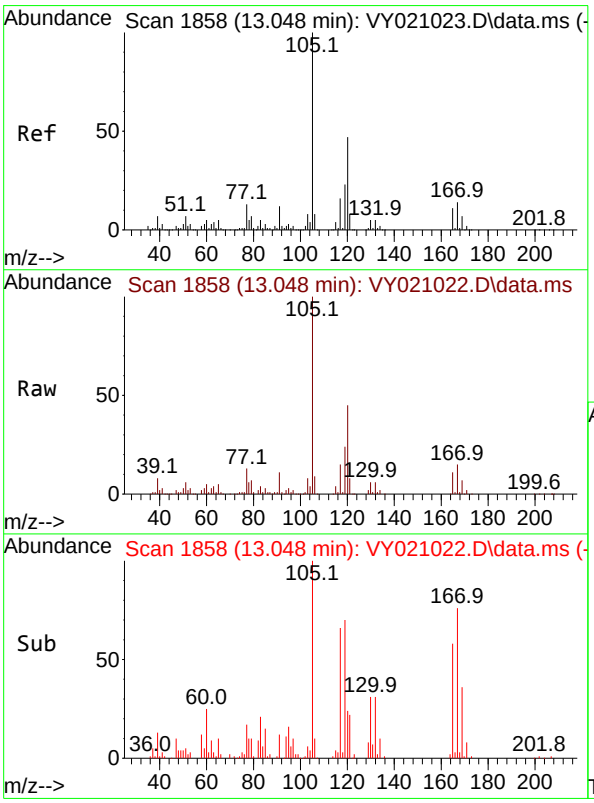
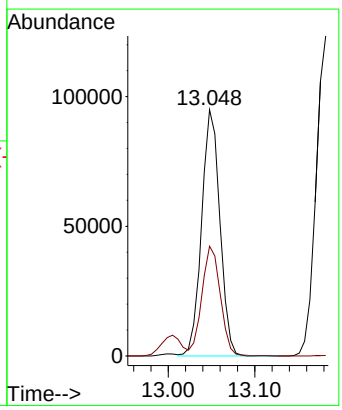


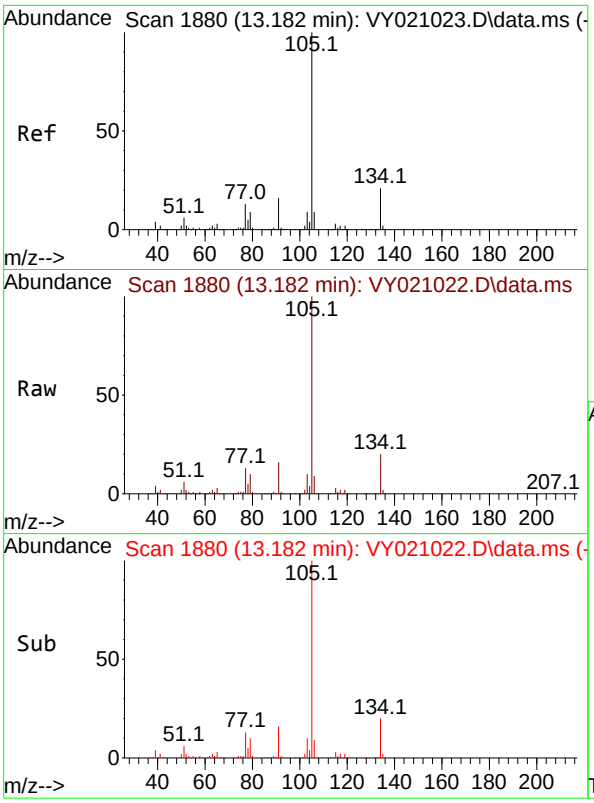


#84
1,2,4-Trimethylbenzene
Concen: 21.214 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 139446

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.0

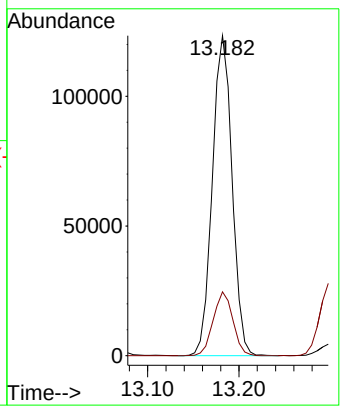




#85
sec-Butylbenzene
Concen: 20.943 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 18504

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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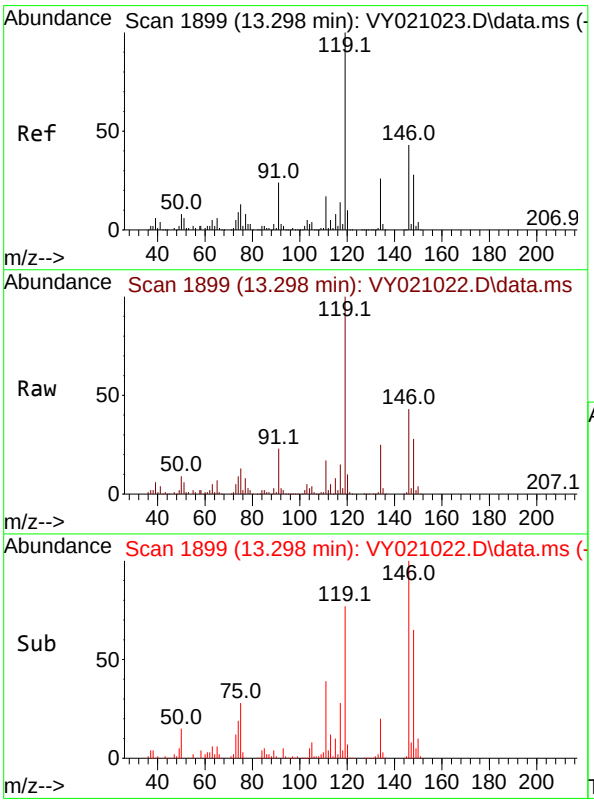
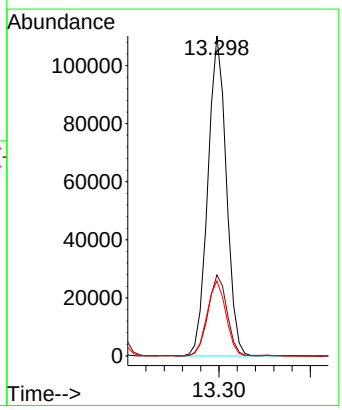
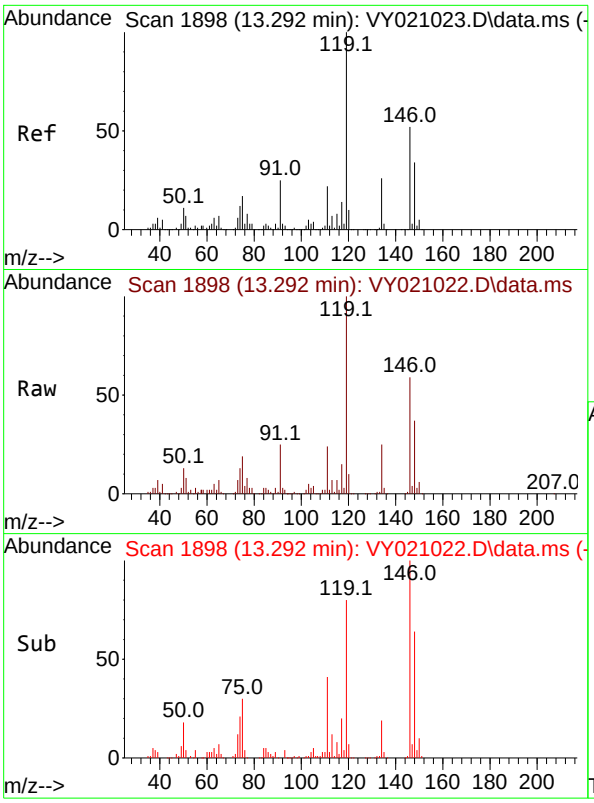


#86
p-Isopropyltoluene
Concen: 20.815 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 154555

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	23.8	11.5	34.5





#87
1,3-Dichlorobenzene
Concen: 20.446 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 7763

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.1
148	64.7	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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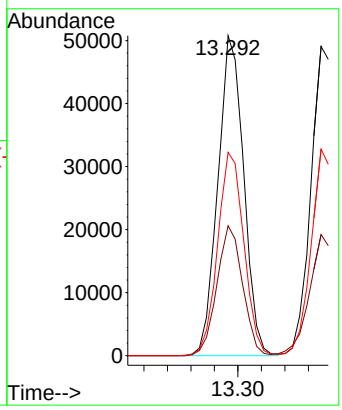
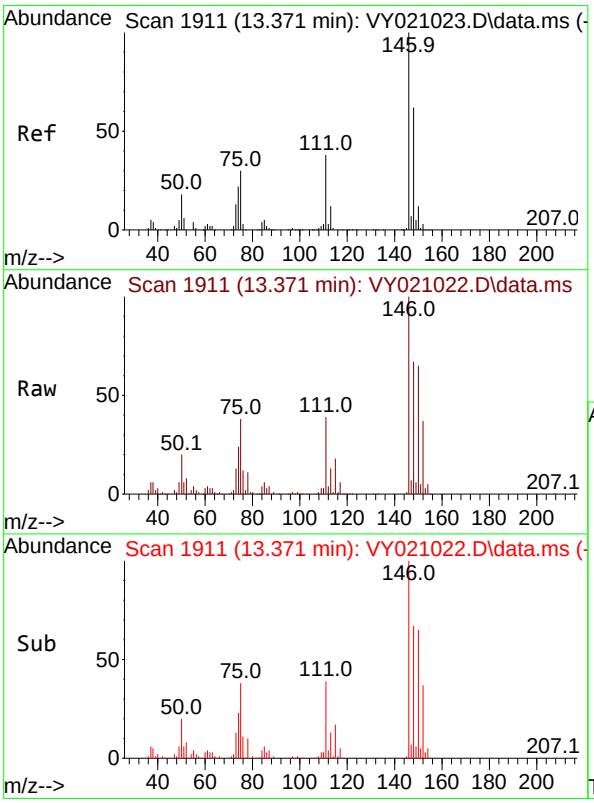
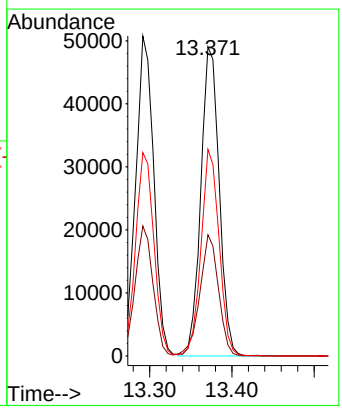


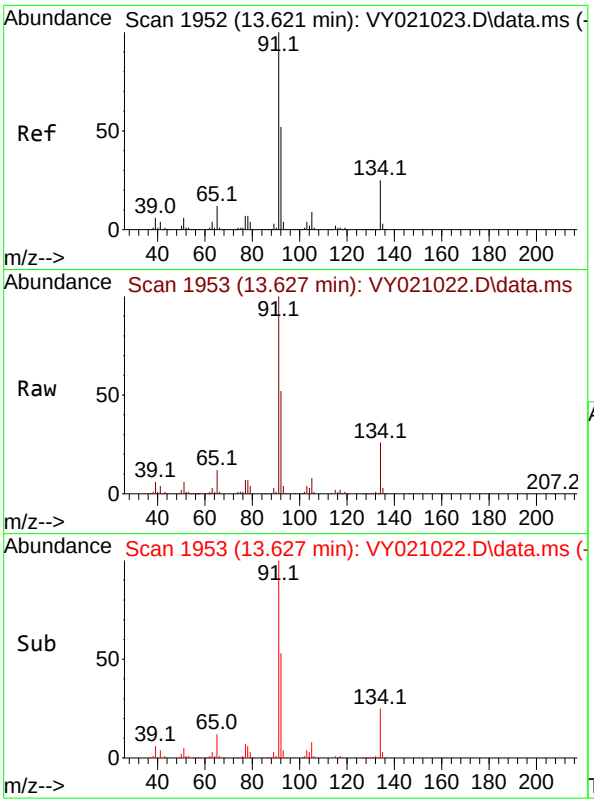


#88
1,4-Dichlorobenzene
Concen: 20.248 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 76342

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.0	57.0
148	65.6	31.6	95.0

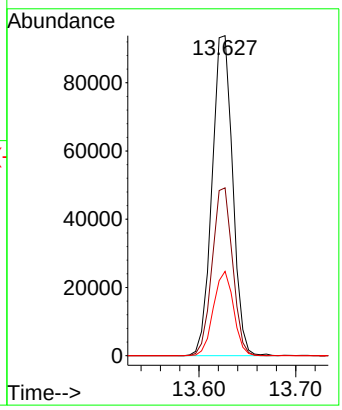




#89
n-Butylbenzene
Concen: 20.829 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 13853

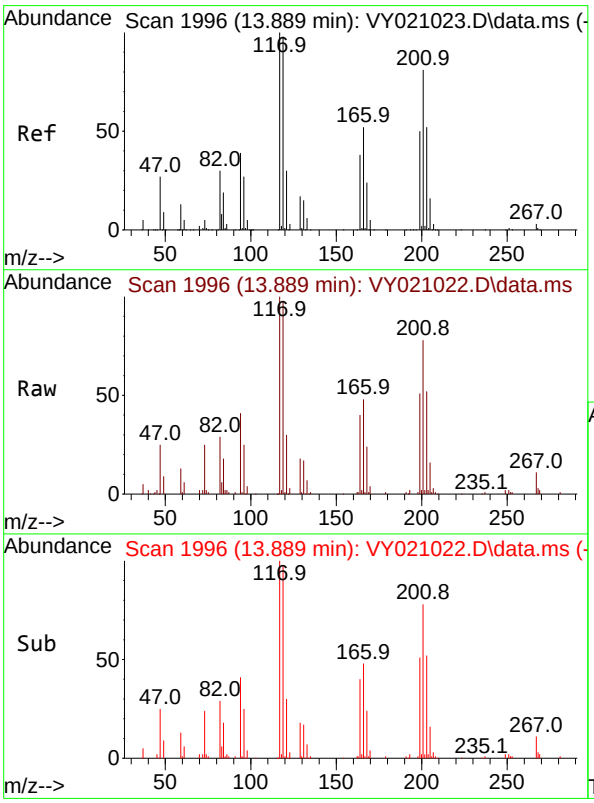
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.1
134	25.8	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

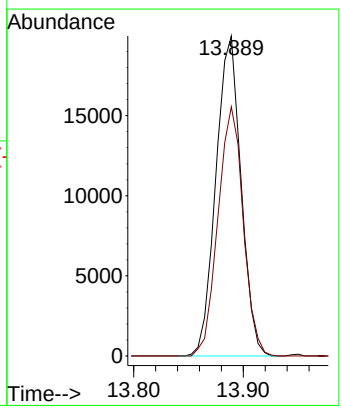
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

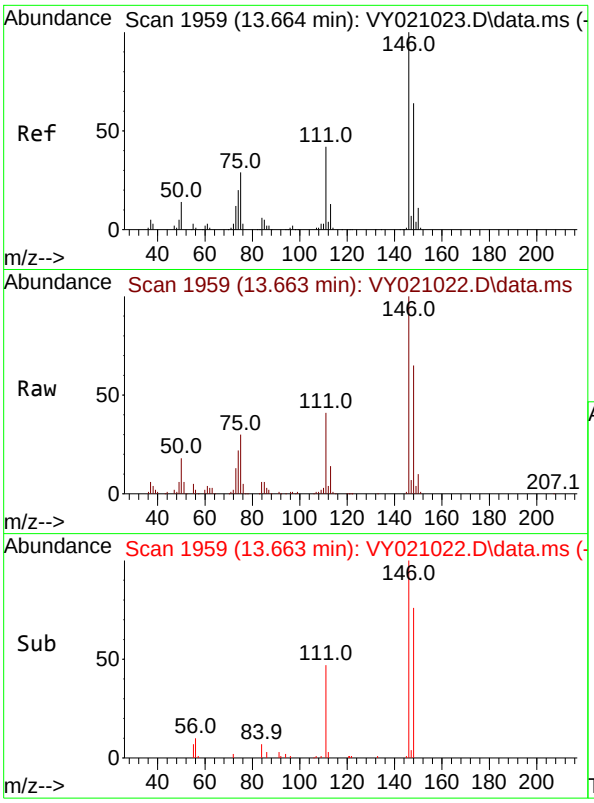


#90
Hexachloroethane
Concen: 21.166 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 31796

Ion	Ratio	Lower	Upper
117	100		
201	78.2	42.5	127.5

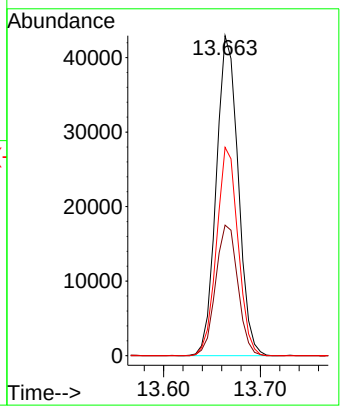




#91
1,2-Dichlorobenzene
Concen: 20.344 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 6736

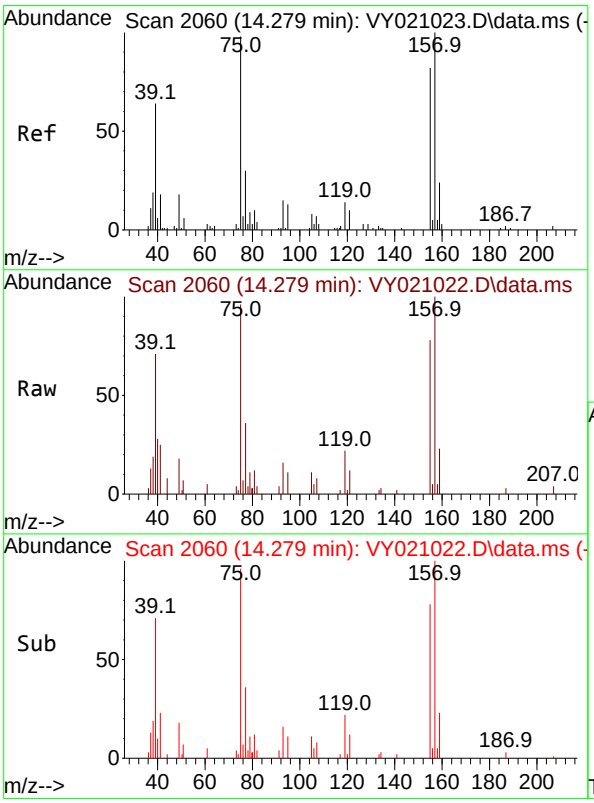
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.8
148	64.0	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

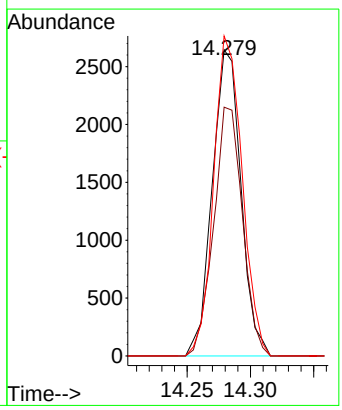
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

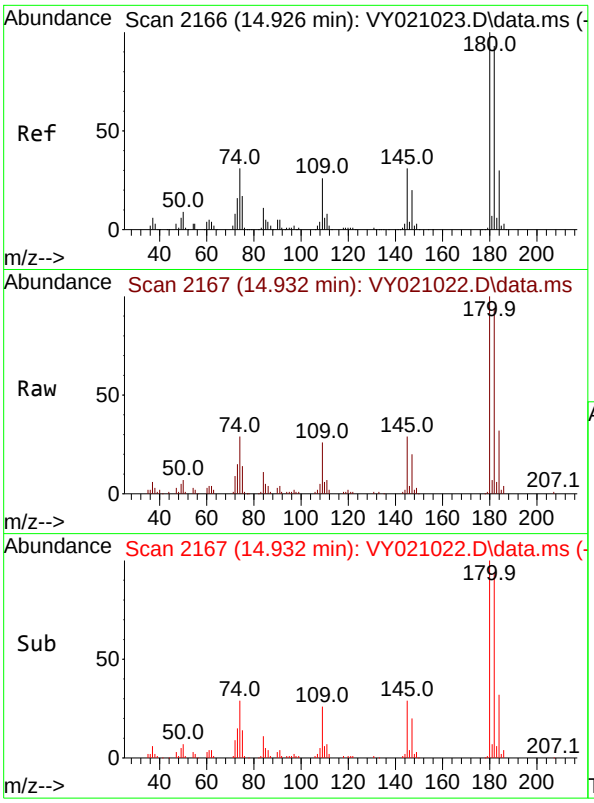


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.380 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4160

Ion	Ratio	Lower	Upper
75	100		
155	81.6	45.9	137.6
157	103.8	59.3	177.9

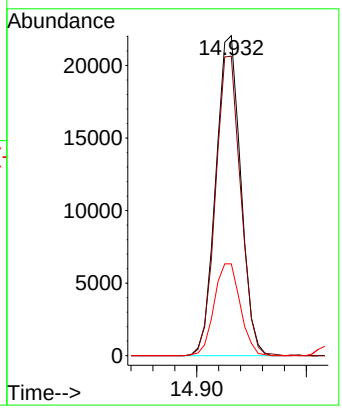




#93
1,2,4-Trichlorobenzene
Concen: 17.150 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:180 Resp: 3477

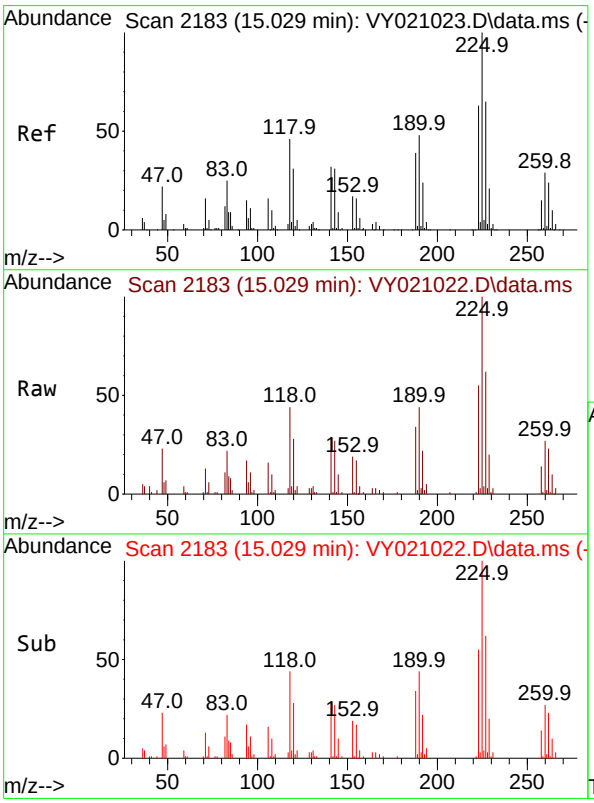
Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.8
145	30.1	15.3	45.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

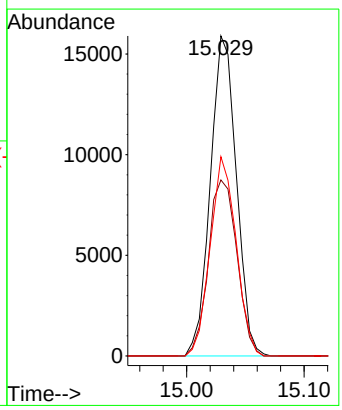
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

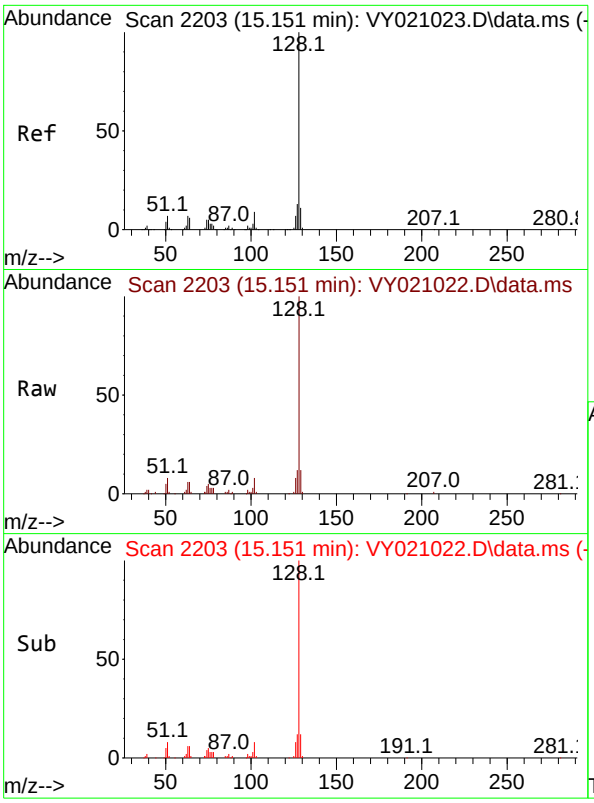


#94
Hexachlorobutadiene
Concen: 17.435 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:225 Resp: 24481

Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.4	94.2
227	62.1	31.8	95.3

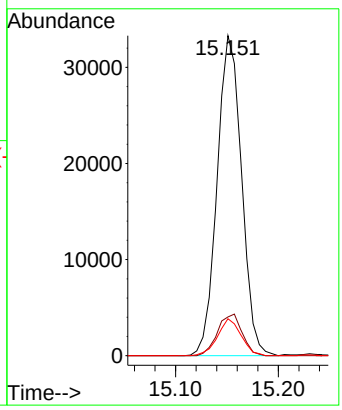




#95
Naphthalene
Concen: 16.886 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:128 Resp: 5502

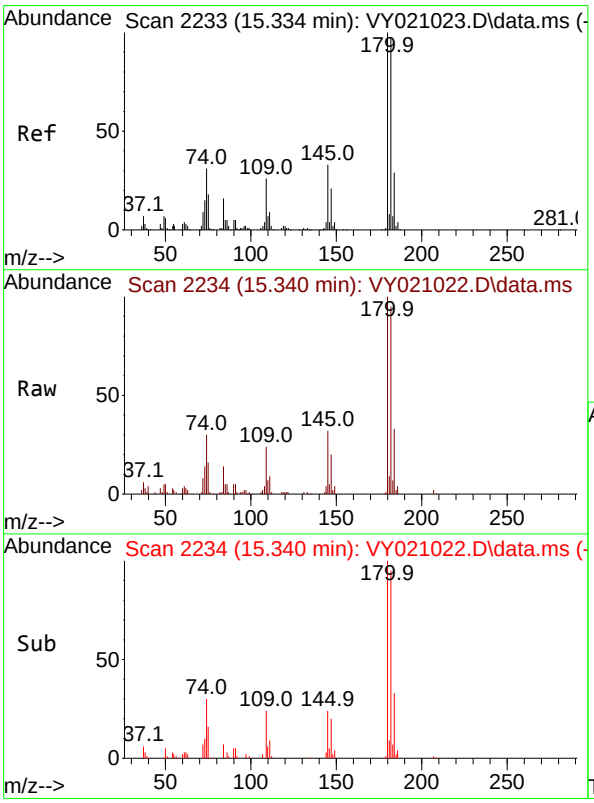
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.1	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

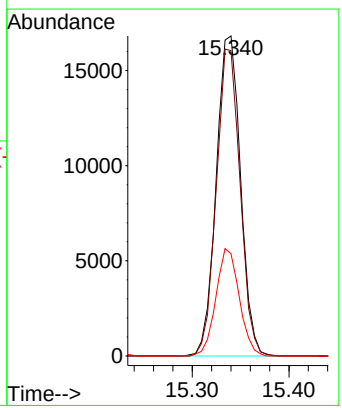
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.090 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:180 Resp: 29301

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.7	143.1
145	32.3	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	185055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	250150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	121069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93084	59.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.160%			
35) Dibromofluoromethane	7.640	113	89515	52.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.220%			
50) Toluene-d8	10.109	98	343592	51.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.414	95	115197	51.200	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	82341	52.329	ug/l	100
3) Chloromethane	2.074	50	77828	77.798	ug/l	98
4) Vinyl Chloride	2.208	62	78456	76.063	ug/l	100
5) Bromomethane	2.605	94	47661	68.257	ug/l	99
6) Chloroethane	2.739	64	47159	78.268	ug/l	99
7) Trichlorofluoromethane	3.068	101	146090	58.690	ug/l	98
8) Diethyl Ether	3.464	74	44796	60.281	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.824	101	91456	54.564	ug/l	95
10) Methyl Iodide	4.013	142	108576	56.607	ug/l	99
11) Tert butyl alcohol	4.872	59	29518	256.470	ug/l	100
12) 1,1-Dichloroethene	3.800	96	86860	55.452	ug/l	92
13) Acrolein	3.659	56	48444	365.513	ug/l	98
14) Allyl chloride	4.391	41	148096	68.676	ug/l	93
15) Acrylonitrile	5.061	53	98437	322.040	ug/l	99
16) Acetone	3.879	43	71701	333.889	ug/l	93
17) Carbon Disulfide	4.117	76	272934	56.574	ug/l	99
18) Methyl Acetate	4.397	43	53193	70.789	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	225045	61.726	ug/l	99
20) Methylene Chloride	4.623	84	89716	56.645	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	96653	57.552	ug/l	92
22) Diisopropyl ether	6.025	45	308181	70.111	ug/l	96
23) Vinyl Acetate	5.970	43	876749	360.173	ug/l	96
24) 1,1-Dichloroethane	5.921	63	175291	61.815	ug/l	100
25) 2-Butanone	6.903	43	124949	342.981	ug/l	94
26) 2,2-Dichloropropane	6.890	77	160962	57.651	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	110873	57.437	ug/l	94
28) Bromochloromethane	7.250	49	76460	72.370	ug/l	84
29) Tetrahydrofuran	7.262	42	84863	346.176	ug/l	91
30) Chloroform	7.427	83	181725	59.167	ug/l	96
31) Cyclohexane	7.707	56	153013	55.203	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	168751	56.771	ug/l	97
36) 1,1-Dichloropropene	7.841	75	132425	54.034	ug/l	98
37) Ethyl Acetate	6.988	43	60168	65.852	ug/l	95
38) Carbon Tetrachloride	7.823	117	156282	51.530	ug/l	99
39) Methylcyclohexane	9.116	83	168118	51.064	ug/l	95
40) Benzene	8.085	78	393690	54.594	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31701	62.707	ug/l		93
42) 1,2-Dichloroethane	8.165	62	108251	59.191	ug/l		99
43) Isopropyl Acetate	8.201	43	120630	66.087	ug/l		96
44) Trichloroethene	8.872	130	99733	50.121	ug/l		99
45) 1,2-Dichloropropane	9.146	63	93348	57.754	ug/l		99
46) Dibromomethane	9.238	93	51734	55.001	ug/l		95
47) Bromodichloromethane	9.427	83	137852	55.807	ug/l		97
48) Methyl methacrylate	9.225	41	54848	63.113	ug/l		91
49) 1,4-Dioxane	9.231	88	10030	1003.514	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.000	43	308616	329.038	ug/l		95
52) Toluene	10.176	92	250280	53.469	ug/l		97
53) t-1,3-Dichloropropene	10.396	75	128314	57.403	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	149965	56.133	ug/l	#	91
55) 1,1,2-Trichloroethane	10.579	97	67249	53.761	ug/l		99
56) Ethyl methacrylate	10.445	69	96579	59.067	ug/l	#	88
57) 1,3-Dichloropropane	10.725	76	117634	55.483	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	224134	322.966	ug/l		95
59) 2-Hexanone	10.768	43	205217	336.612	ug/l		92
60) Dibromochloromethane	10.914	129	93957	52.680	ug/l		100
61) 1,2-Dibromoethane	11.018	107	64333	53.845	ug/l		98
64) Tetrachloroethene	10.652	164	90228	47.817	ug/l		98
65) Chlorobenzene	11.445	112	270176	51.263	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	95653	51.137	ug/l		97
67) Ethyl Benzene	11.524	91	486059	53.265	ug/l		100
68) m/p-Xylenes	11.633	106	366509	104.538	ug/l		98
69) o-Xylene	11.963	106	170229	52.229	ug/l		96
70) Styrene	11.975	104	289102	53.426	ug/l		98
71) Bromoform	12.133	173	54130	49.101	ug/l	#	98
73) Isopropylbenzene	12.261	105	461198	54.240	ug/l		99
74) N-amyl acetate	12.072	43	107371	69.346	ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.511	83	76500	55.736	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	55904m	58.330	ug/l		
77) Bromobenzene	12.536	156	104605	51.889	ug/l		93
78) n-propylbenzene	12.603	91	554600	55.653	ug/l		98
79) 2-Chlorotoluene	12.688	91	312917	55.113	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	376397	54.032	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	26957	58.386	ug/l		91
82) 4-Chlorotoluene	12.786	91	316855	54.527	ug/l		100
83) tert-Butylbenzene	13.005	119	347315	53.757	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	370408	54.433	ug/l		100
85) sec-Butylbenzene	13.182	105	488820	53.440	ug/l		100
86) p-Isopropyltoluene	13.298	119	414156	53.878	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	203767	51.839	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	201529	51.631	ug/l		100
89) n-Butylbenzene	13.621	91	381707	55.439	ug/l		99
90) Hexachloroethane	13.889	117	84237	54.167	ug/l		94
91) 1,2-Dichlorobenzene	13.664	146	176718	51.554	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11716	55.445	ug/l		93
93) 1,2,4-Trichlorobenzene	14.926	180	105932	50.473	ug/l		99
94) Hexachlorobutadiene	15.029	225	67092	46.155	ug/l		99
95) Naphthalene	15.151	128	180166	53.412	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	88730	49.991	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

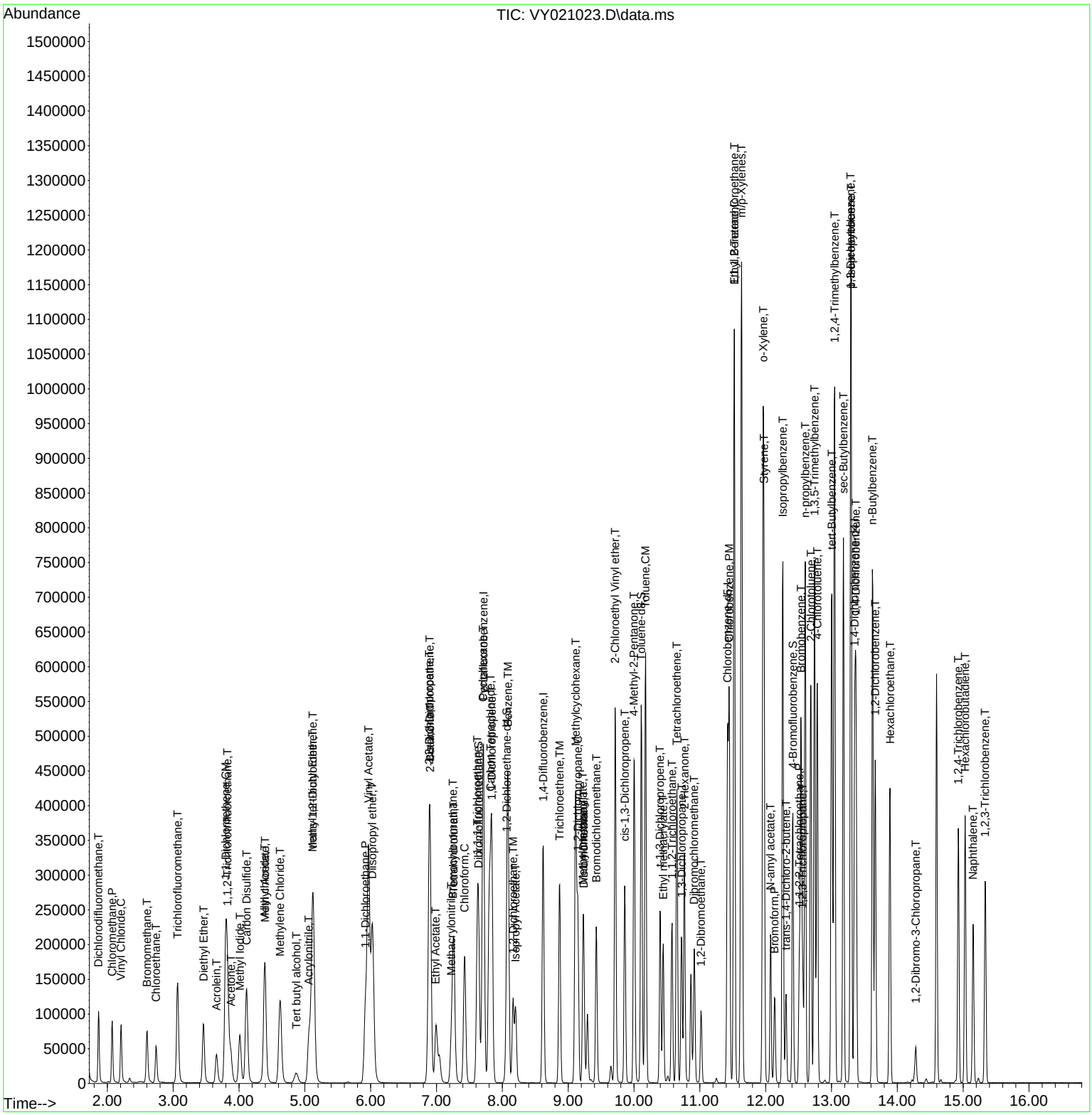
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

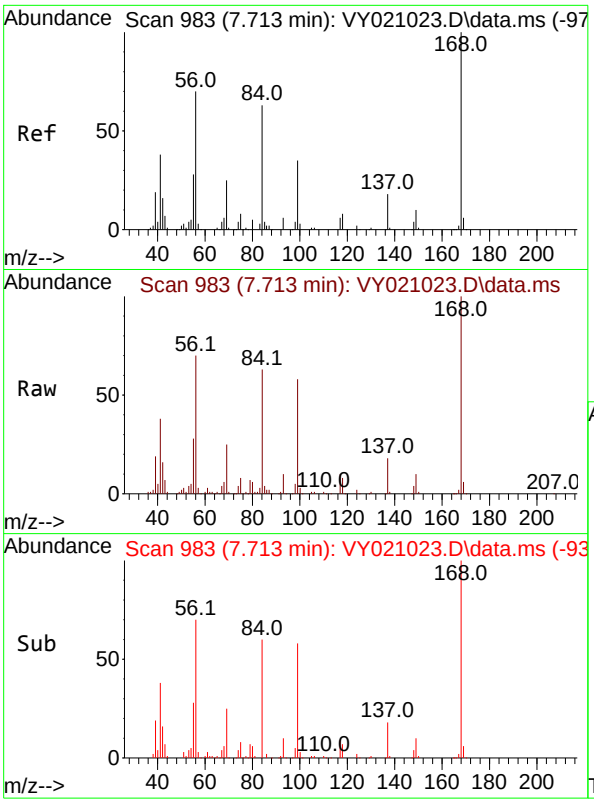
Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:168 Resp: 18505

Ion	Ratio	Lower	Upper
168	100		
99	57.7	42.2	63.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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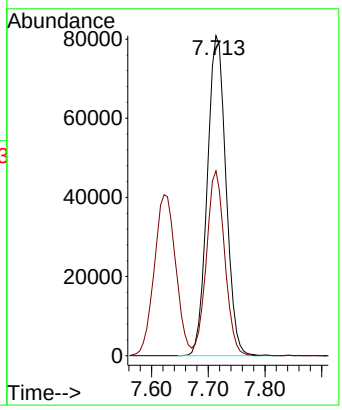
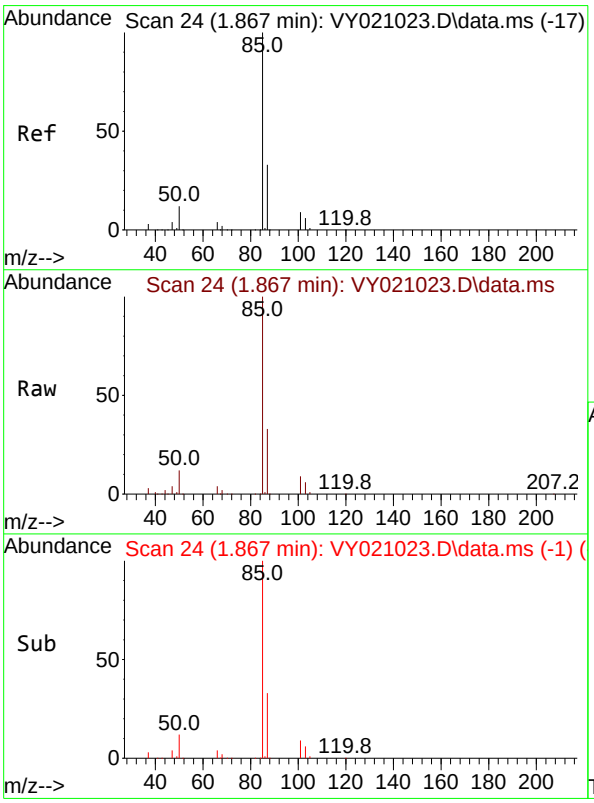
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

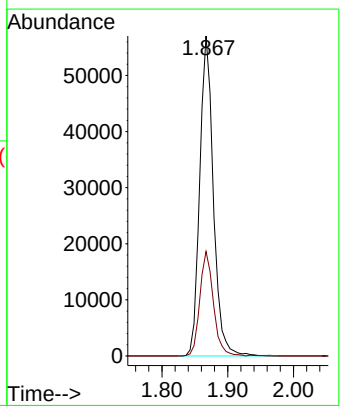


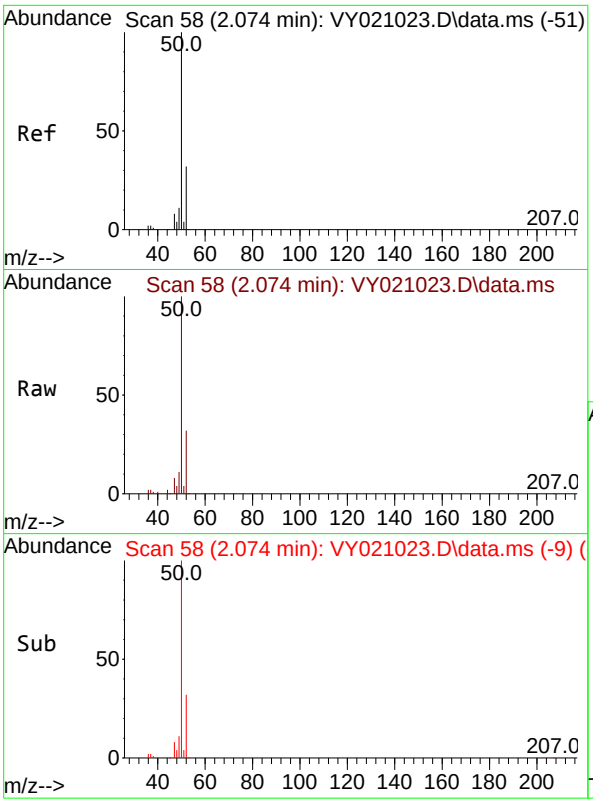


#2
Dichlorodifluoromethane
Concen: 52.329 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 85 Resp: 82341

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.3	48.9

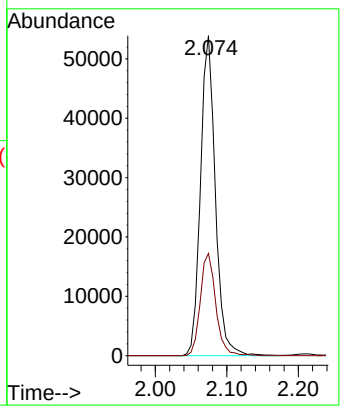




#3
Chloromethane
Concen: 77.798 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 50 Resp: 7782

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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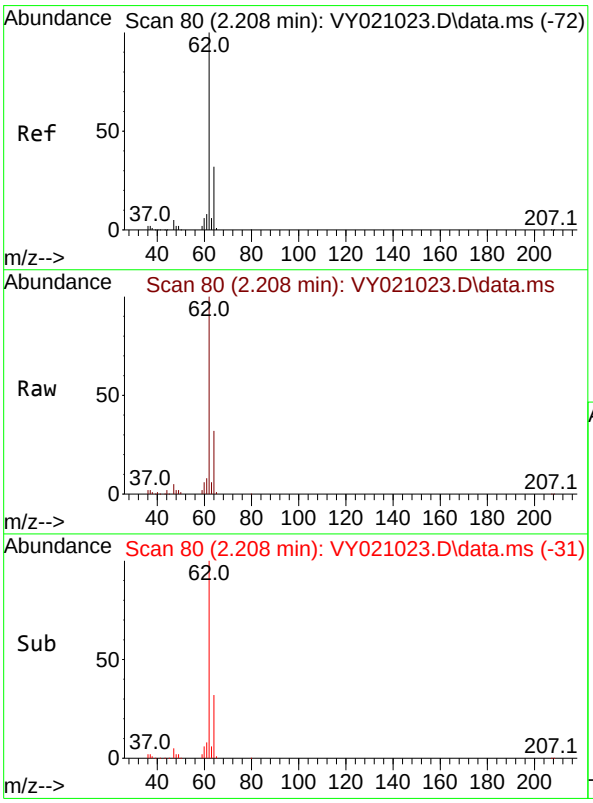
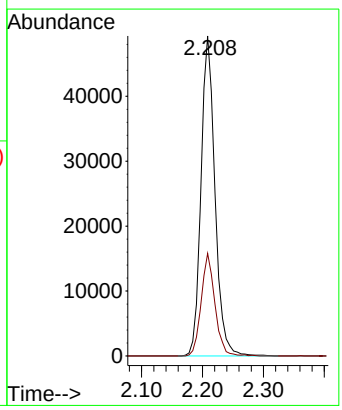
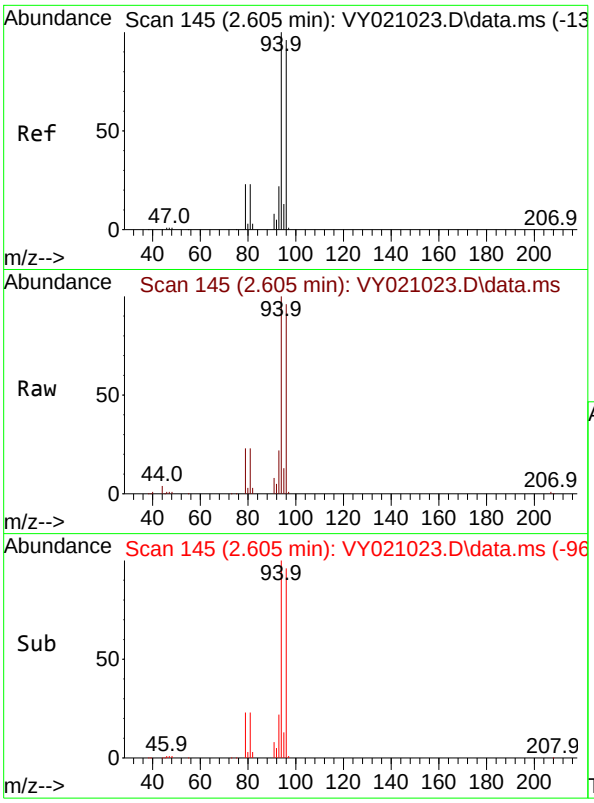


#4
Vinyl Chloride
Concen: 76.063 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 78456

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.2





#5
Bromomethane
Concen: 68.257 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 94 Resp: 4766

Ion	Ratio	Lower	Upper
94	100		
96	95.6	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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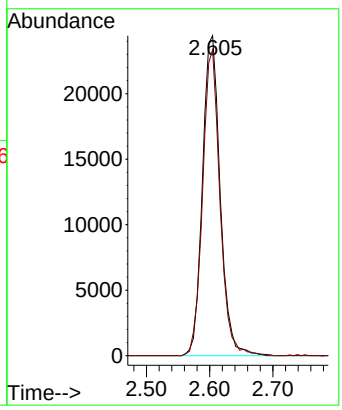
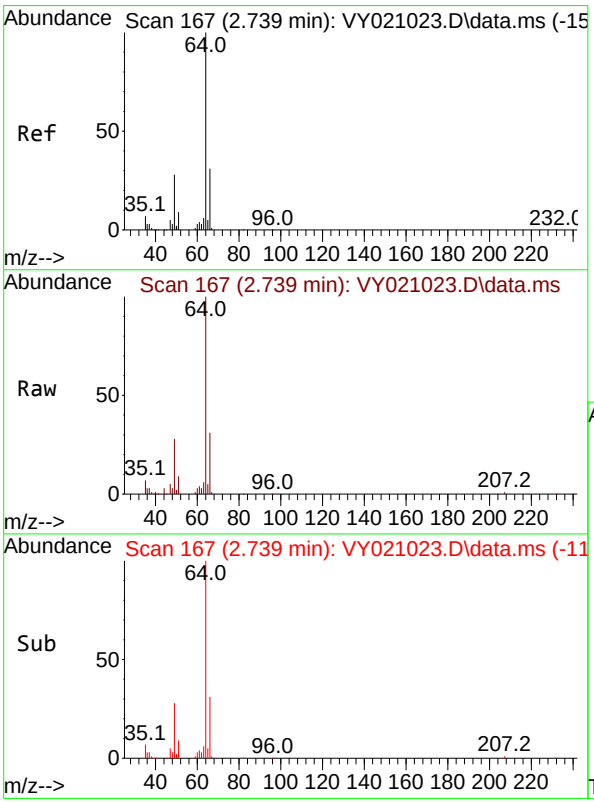
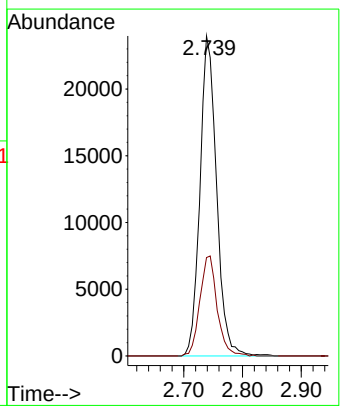


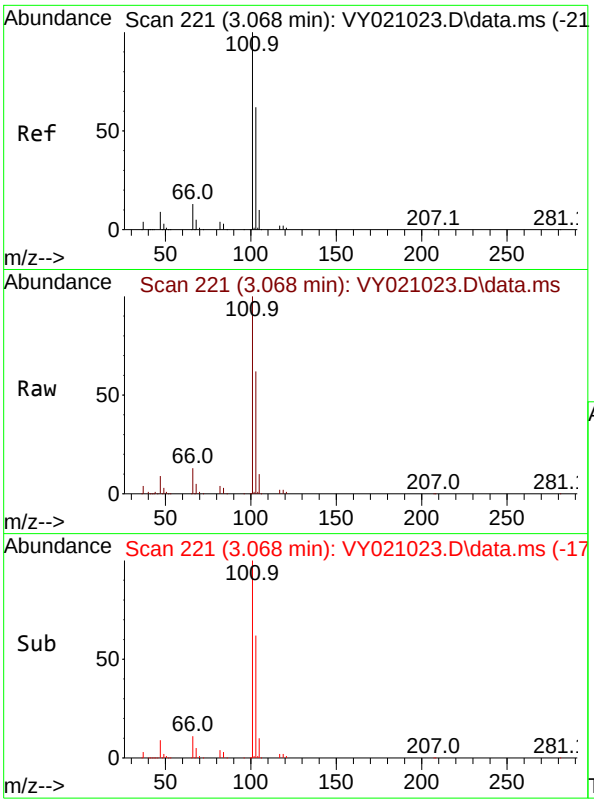


#6
Chloroethane
Concen: 78.268 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 64 Resp: 47159

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.0	37.4

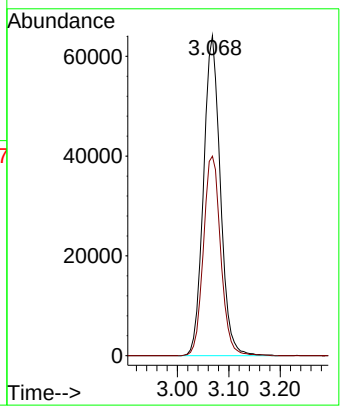




#7
Trichlorofluoromethane
Concen: 58.690 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:101 Resp: 14609

Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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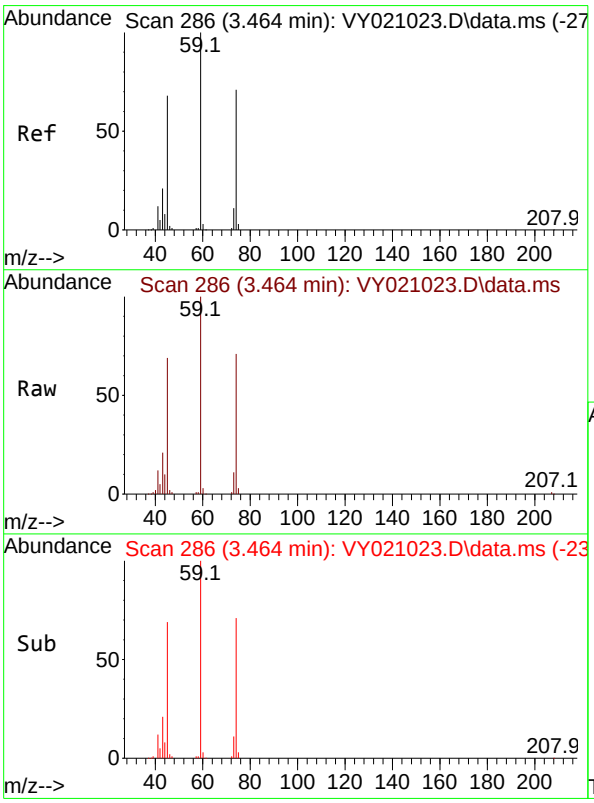
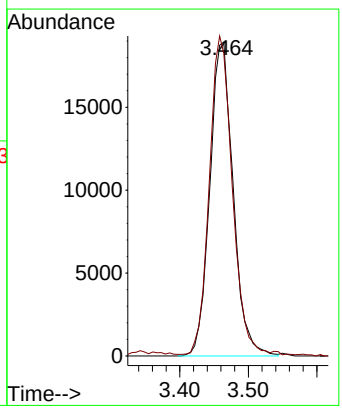
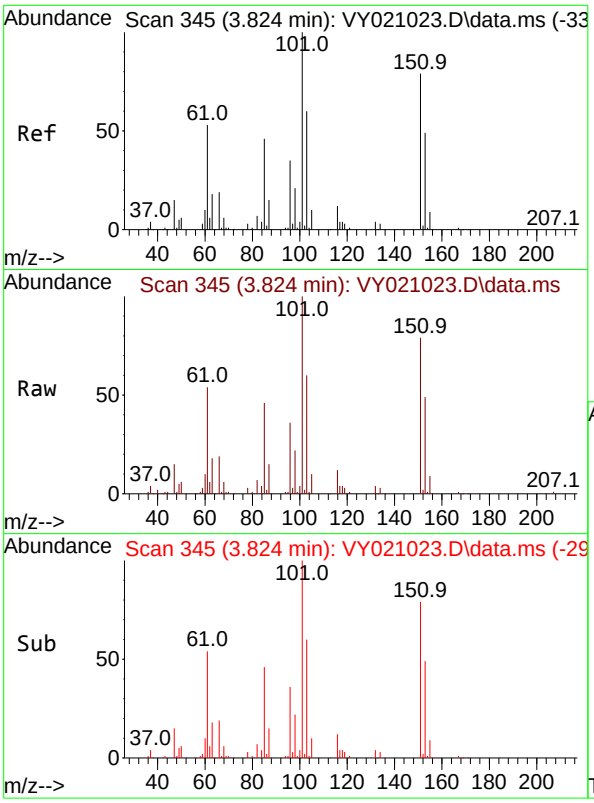


#8
Diethyl Ether
Concen: 60.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 74 Resp: 44796

Ion	Ratio	Lower	Upper
74	100		
45	100.0	43.4	130.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.564 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:101 Resp: 9145

Ion	Ratio	Lower	Upper
101	100		
85	45.5	34.9	52.3
151	77.5	66.8	100.2

Instrument :
MSVOA_Y
ClientSampleId :
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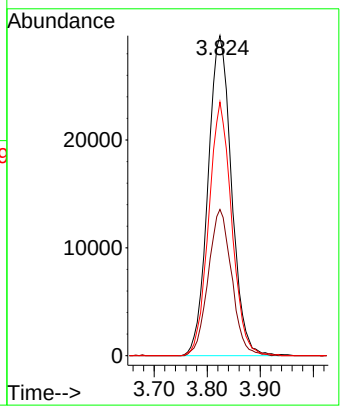
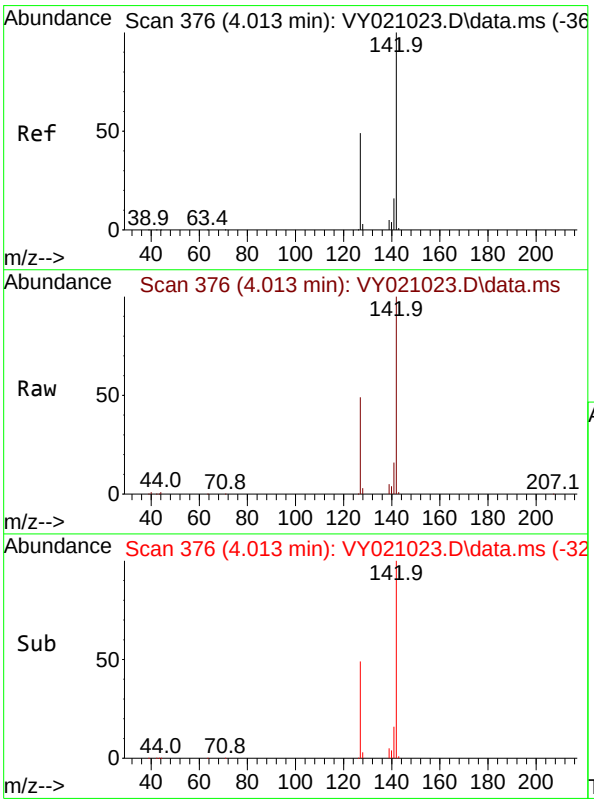
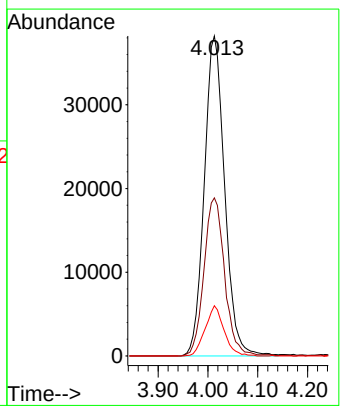


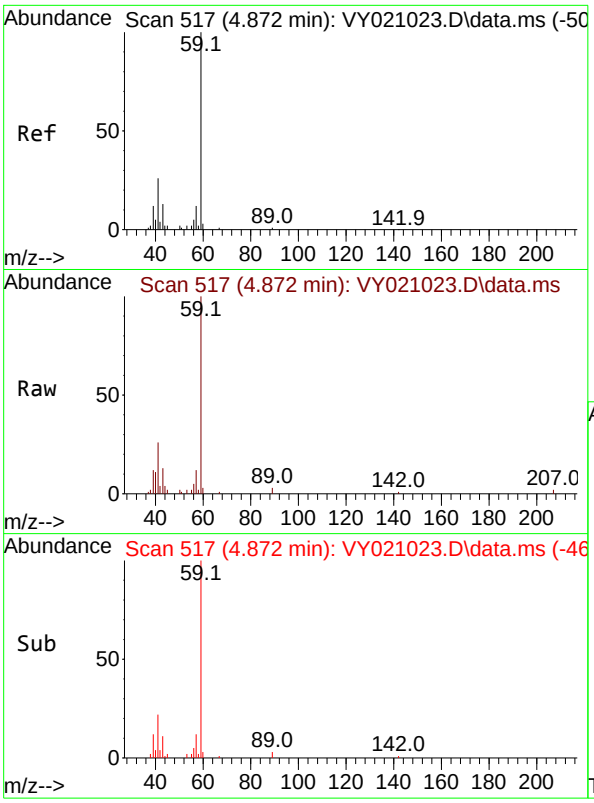


#10
Methyl Iodide
Concen: 56.607 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:142 Resp: 108576

Ion	Ratio	Lower	Upper
142	100		
127	49.8	38.9	58.3
141	14.5	11.7	17.5





#11
Tert butyl alcohol
Concen: 256.470 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 59 Resp: 2951

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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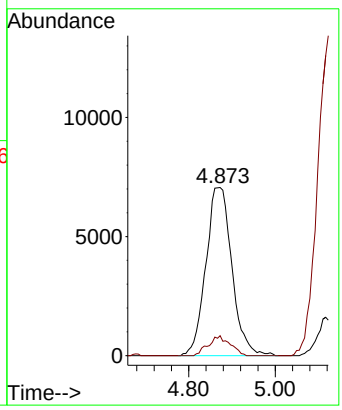
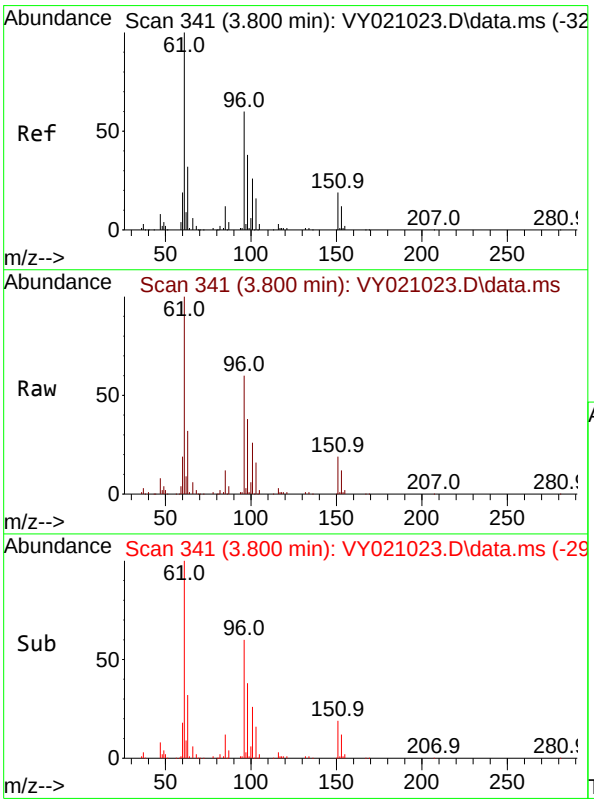
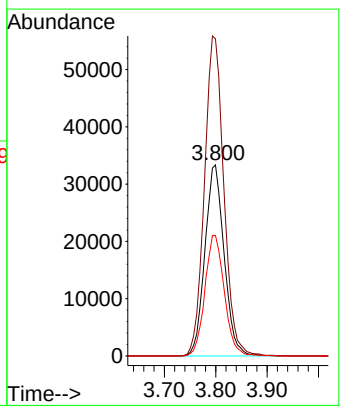


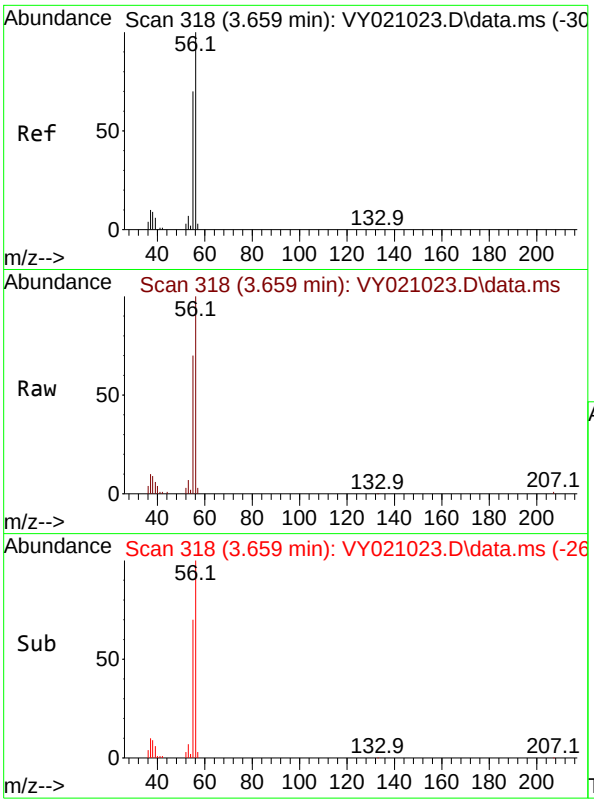


#12
1,1-Dichloroethene
Concen: 55.452 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 86860

Ion	Ratio	Lower	Upper
96	100		
61	166.1	120.8	181.2
98	63.1	50.6	76.0





#13
Acrolein
Concen: 365.513 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 56 Resp: 4844

Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.1	84.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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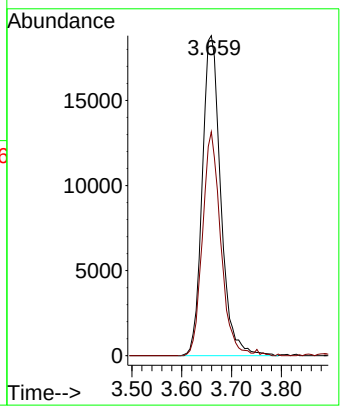
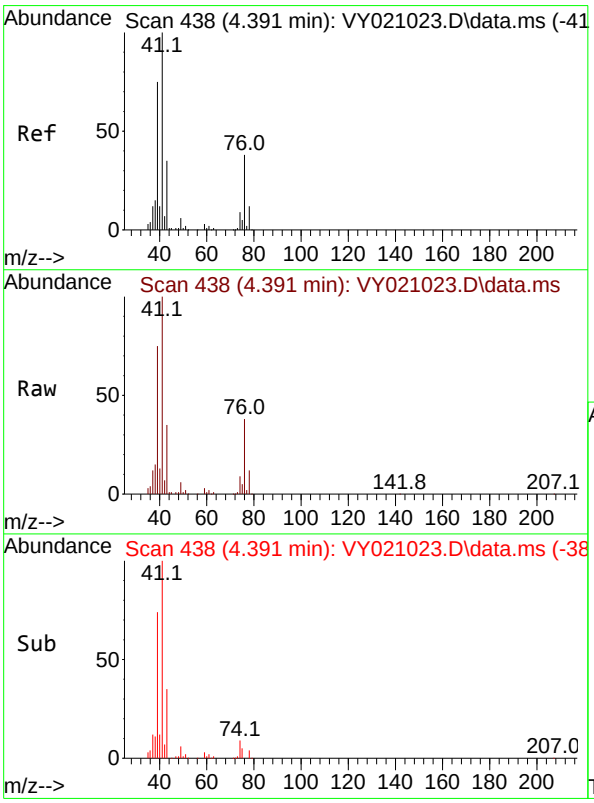
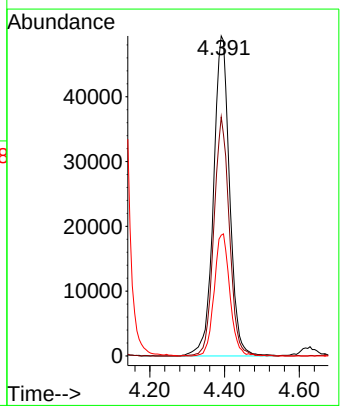


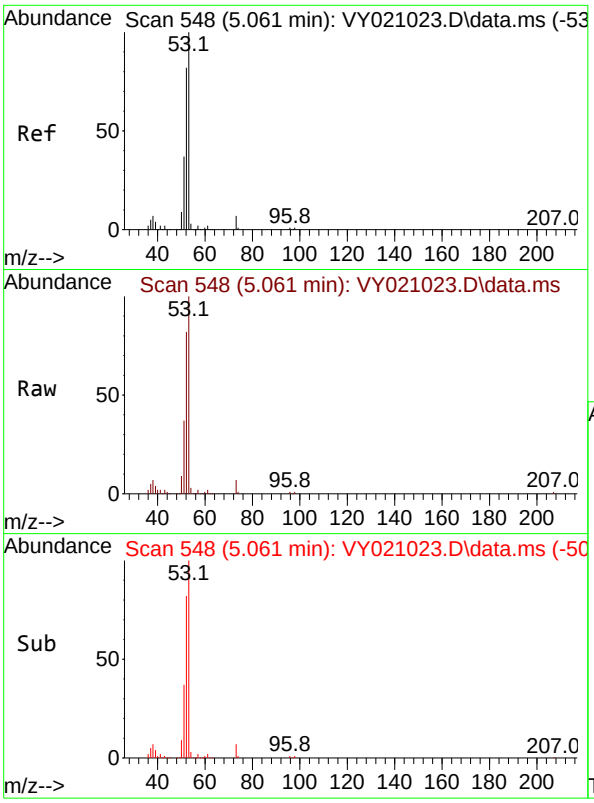


#14
Allyl chloride
Concen: 68.676 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 148096

Ion	Ratio	Lower	Upper
41	100		
39	71.5	53.5	80.3
76	37.1	34.6	52.0





#15
Acrylonitrile
Concen: 322.040 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 53 Resp: 9843

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.4
51	37.4	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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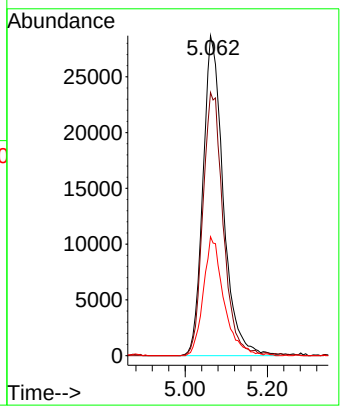
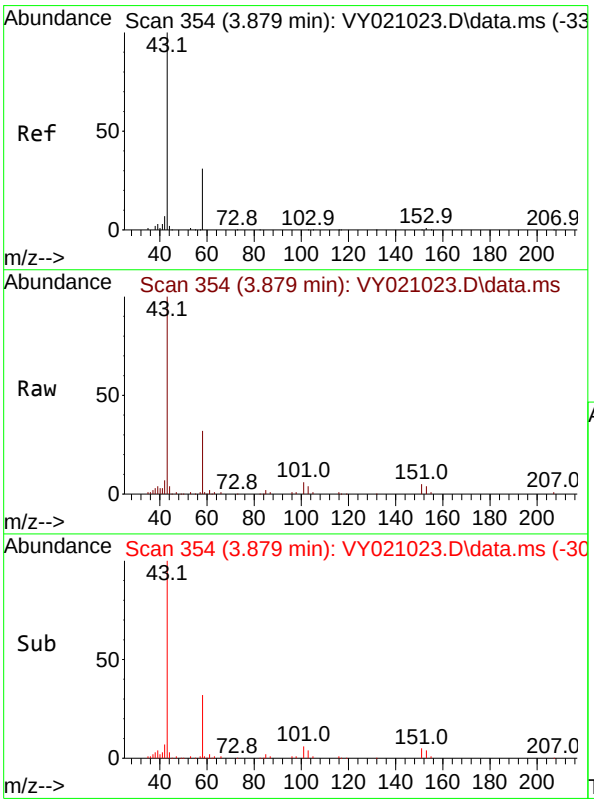
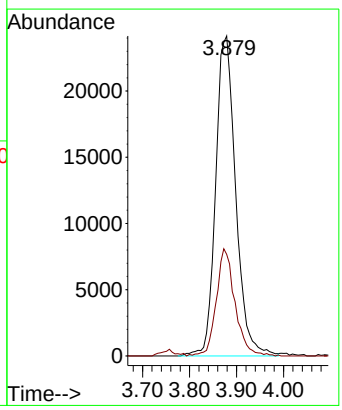


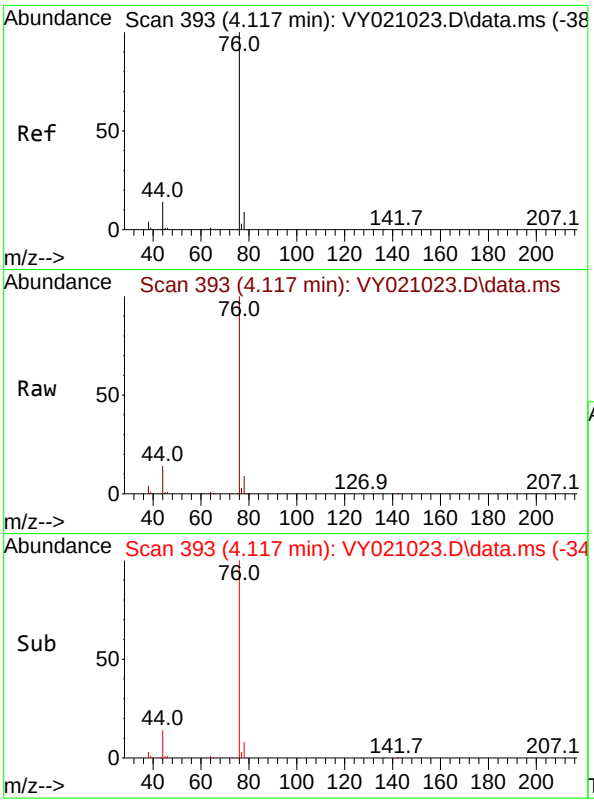


#16
Acetone
Concen: 333.889 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 71701

Ion	Ratio	Lower	Upper
43	100		
58	31.4	28.4	42.6

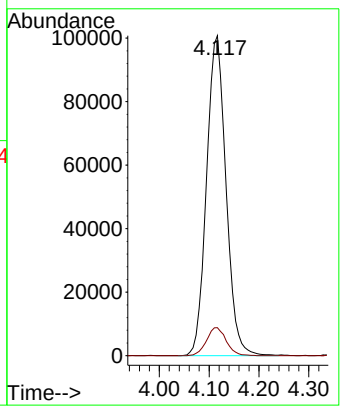




#17
Carbon Disulfide
Concen: 56.574 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 76 Resp: 27293

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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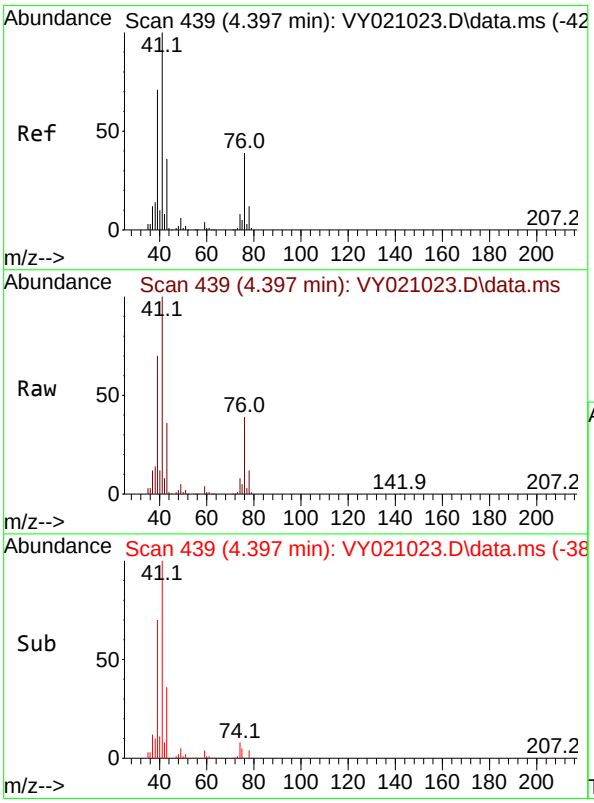
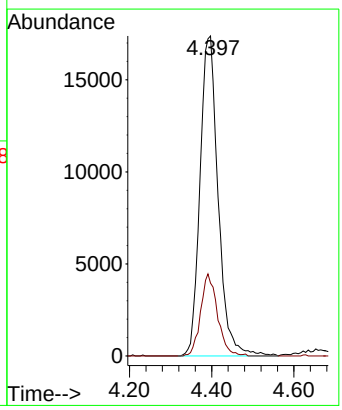
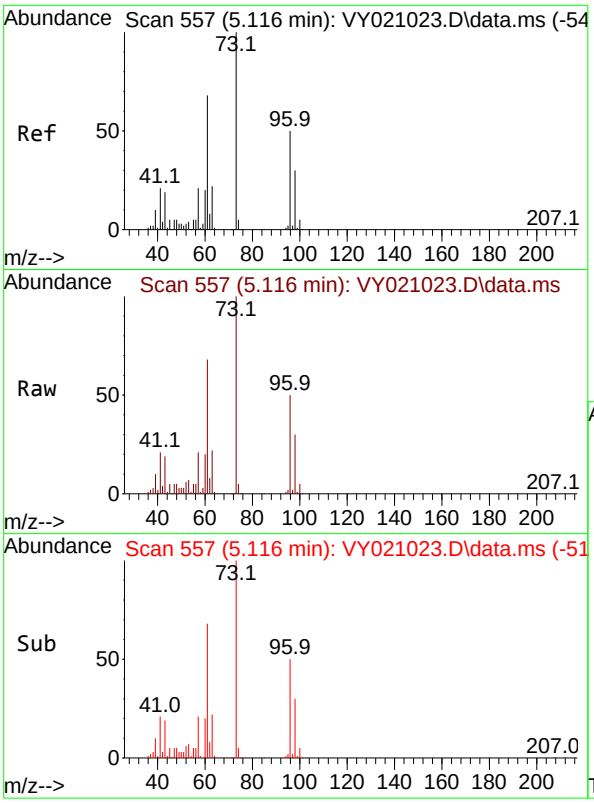


#18
Methyl Acetate
Concen: 70.789 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 53193

Ion	Ratio	Lower	Upper
43	100		
74	23.8	22.2	33.4

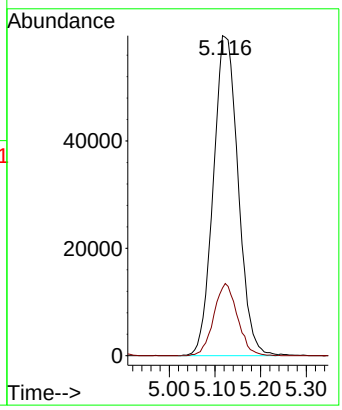




#19
Methyl tert-butyl Ether
Concen: 61.726 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 73 Resp: 22504

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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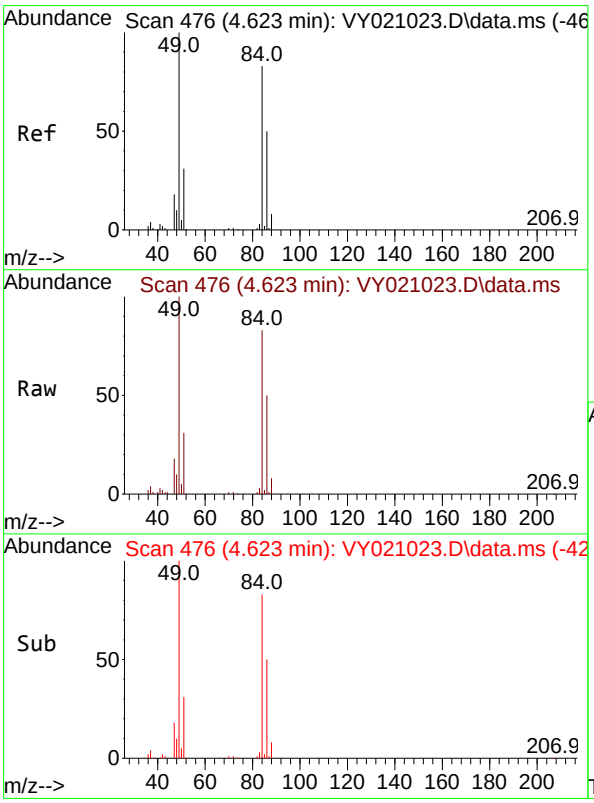
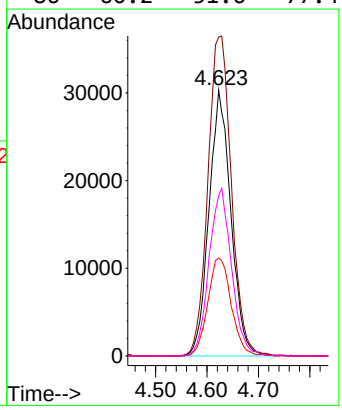
Supervised By :Semsettin Yesilyurt 02/04/2025

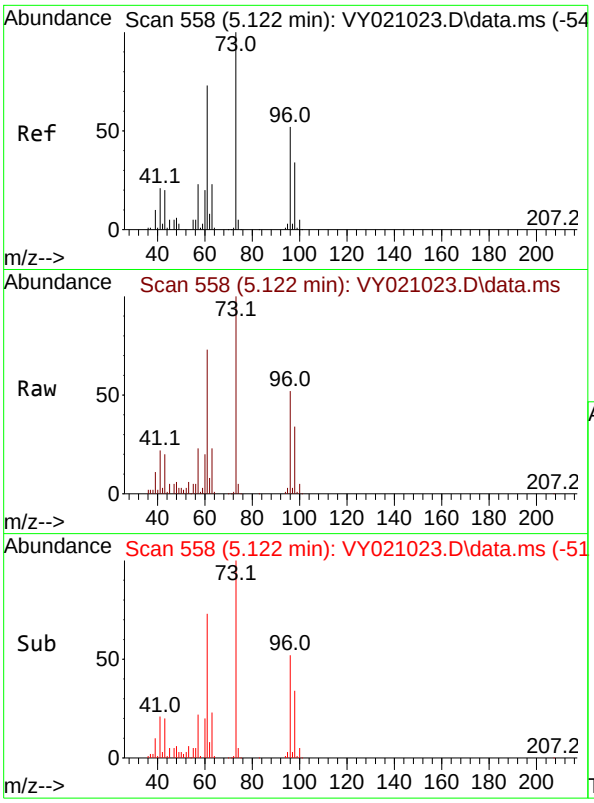


#20
Methylene Chloride
Concen: 56.645 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 84 Resp: 89716

Ion	Ratio	Lower	Upper
84	100		
49	120.0	88.3	132.5
51	36.8	27.7	41.5
86	60.2	51.6	77.4

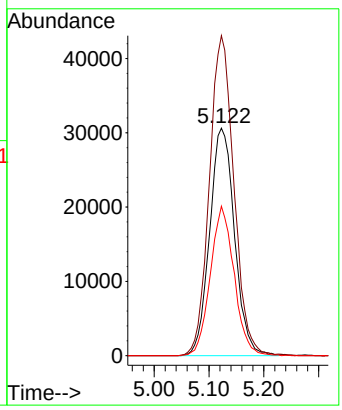




#21
trans-1,2-Dichloroethene
Concen: 57.552 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 9665

Ion	Ratio	Lower	Upper
96	100		
61	140.7	101.5	152.3
98	65.7	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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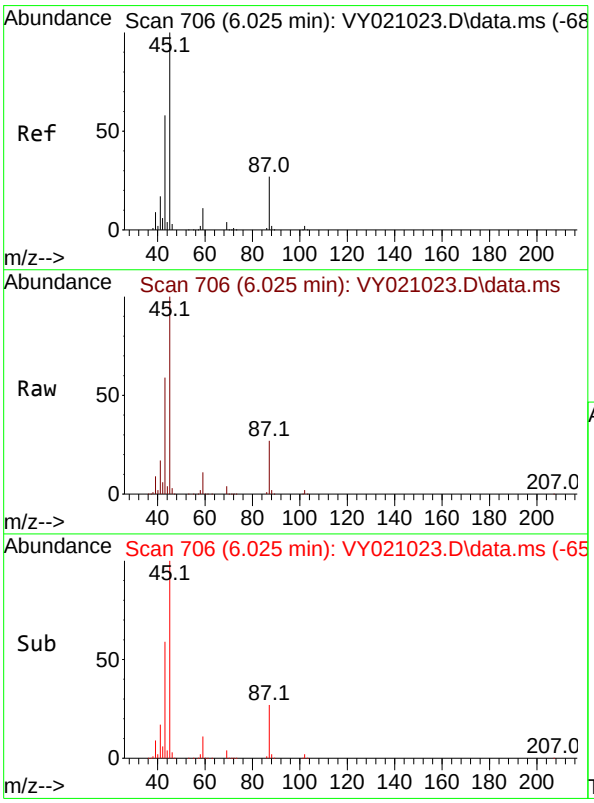
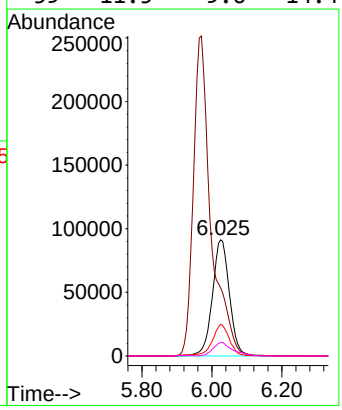
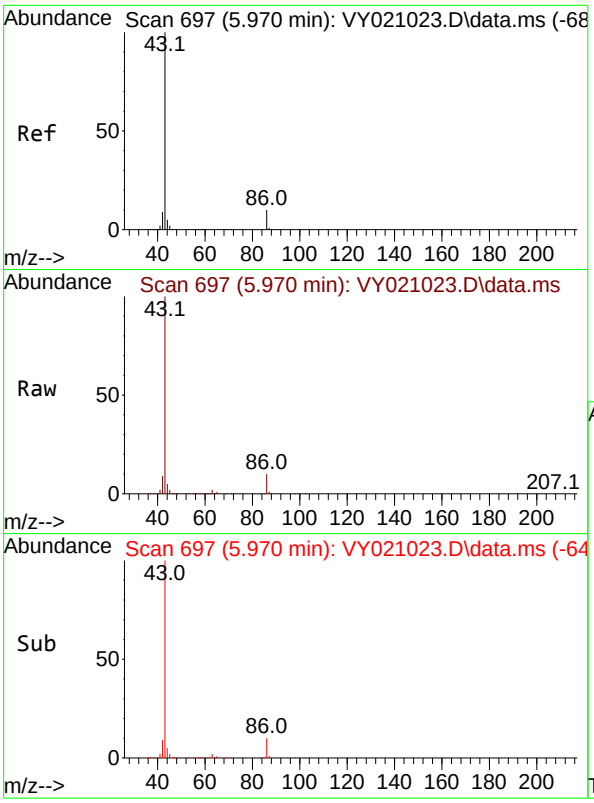


#22
Diisopropyl ether
Concen: 70.111 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 45 Resp: 308181

Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.1	67.7
87	27.2	25.0	37.4
59	11.5	9.6	14.4





#23
Vinyl Acetate
Concen: 360.173 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 87674

Ion	Ratio	Lower	Upper
43	100		
86	10.5	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
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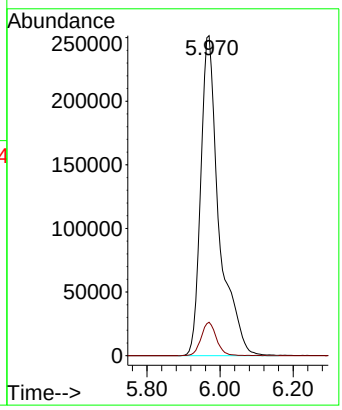
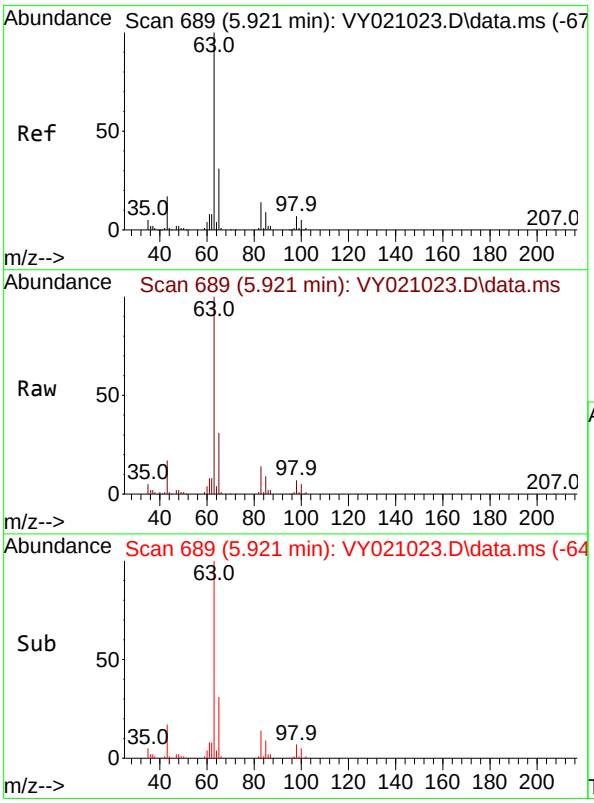
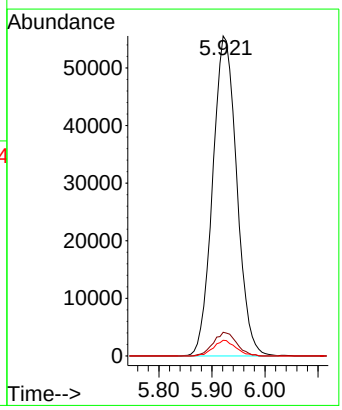


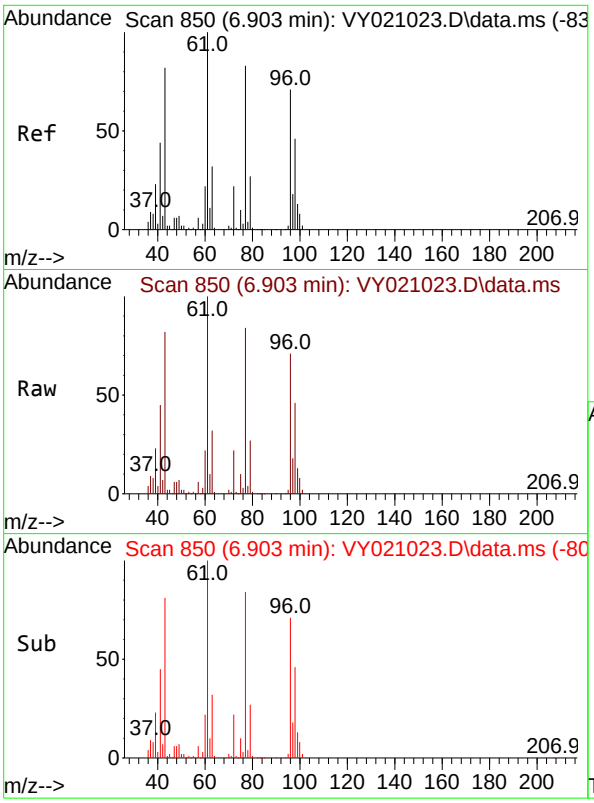


#24
1,1-Dichloroethane
Concen: 61.815 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 175291

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.9	2.4	7.2





#25
2-Butanone
Concen: 342.981 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 12494

Ion	Ratio	Lower	Upper
43	100		
72	26.9	24.3	36.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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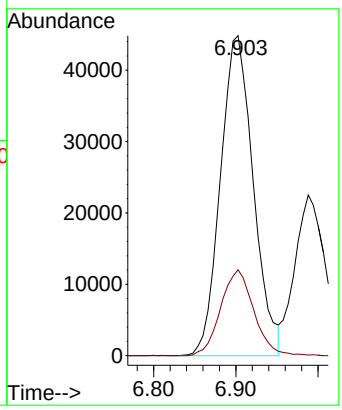
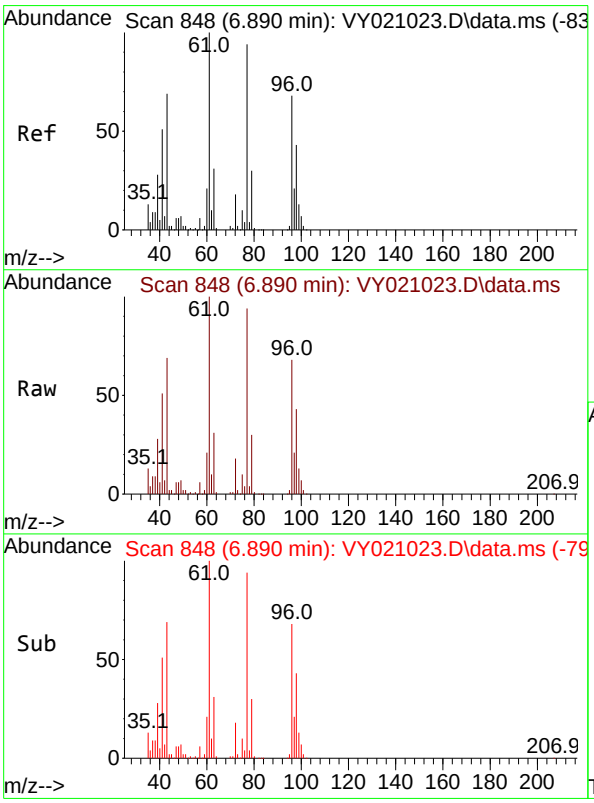
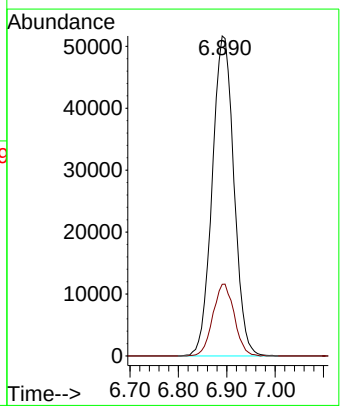


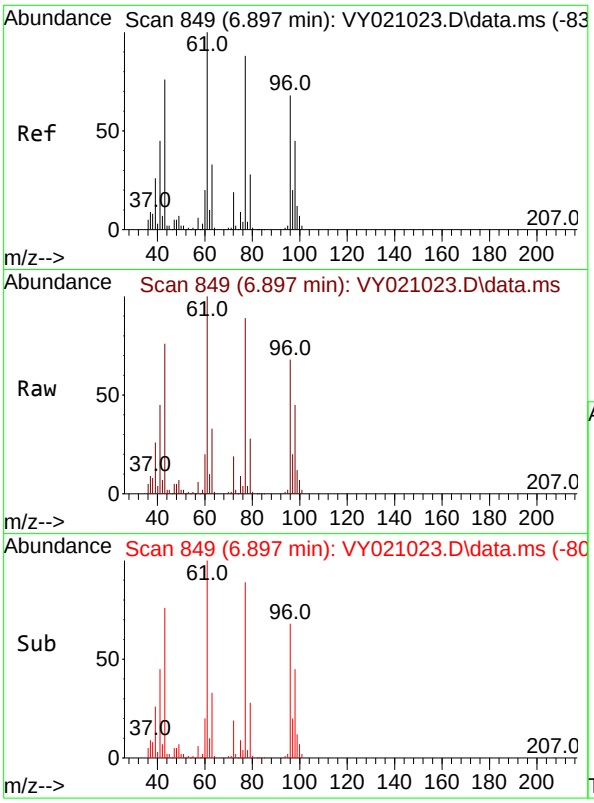


#26
2,2-Dichloropropane
Concen: 57.651 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 77 Resp: 160962

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2

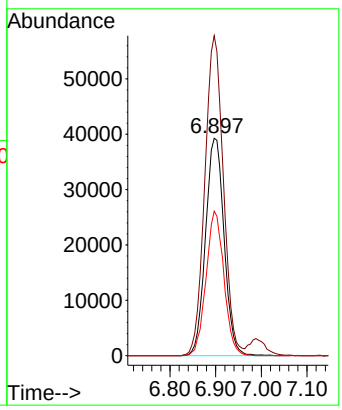




#27
cis-1,2-Dichloroethene
Concen: 57.437 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 11087

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	274.0
98	64.0	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
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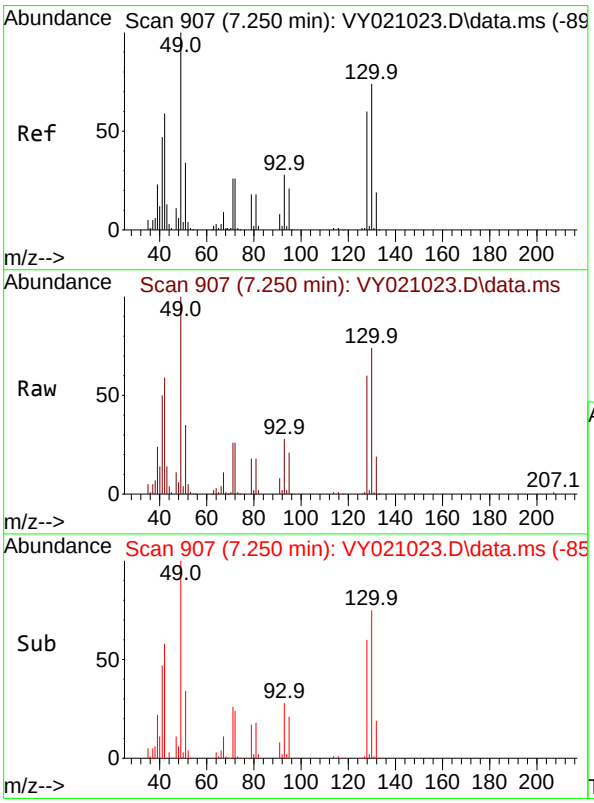
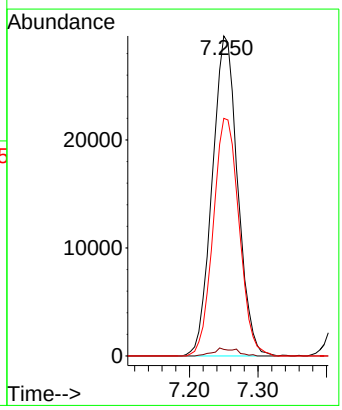
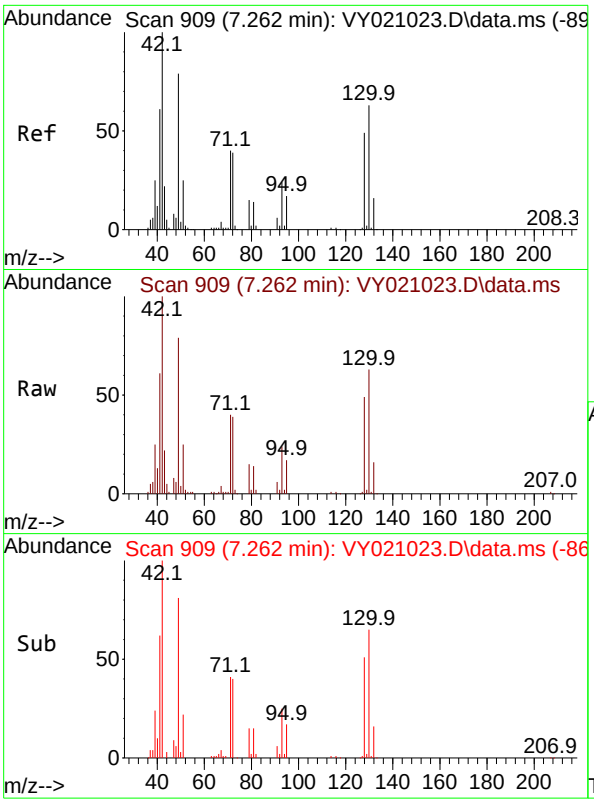


#28
Bromochloromethane
Concen: 72.370 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 49 Resp: 76460

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	75.5	73.2	109.8





#29
Tetrahydrofuran
Concen: 346.176 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 42 Resp: 8486

Ion	Ratio	Lower	Upper
42	100		
72	41.9	39.3	58.9
71	40.3	36.1	54.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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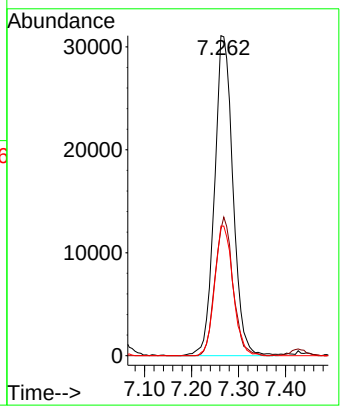
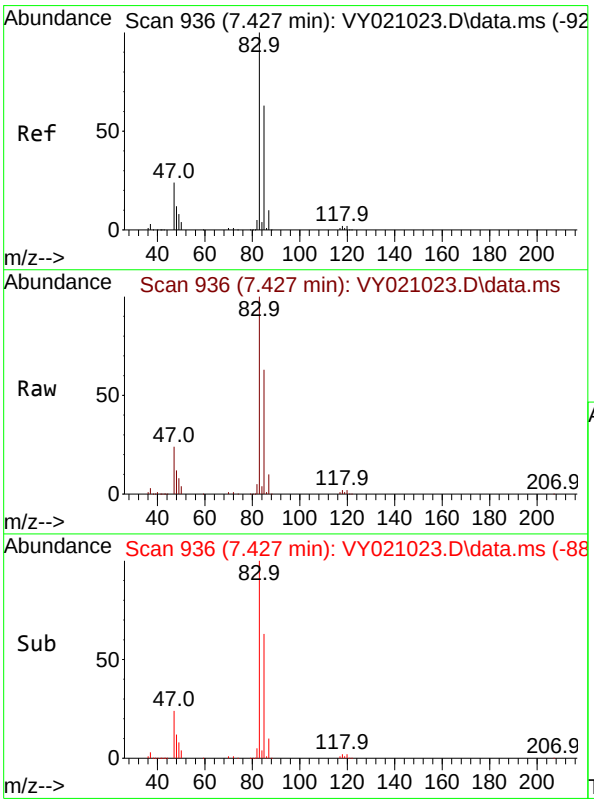
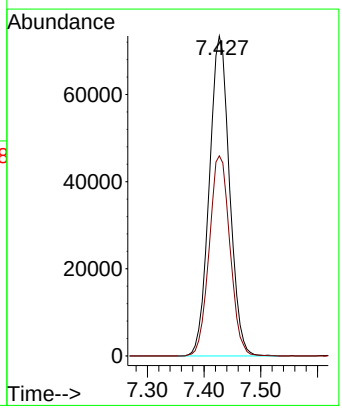


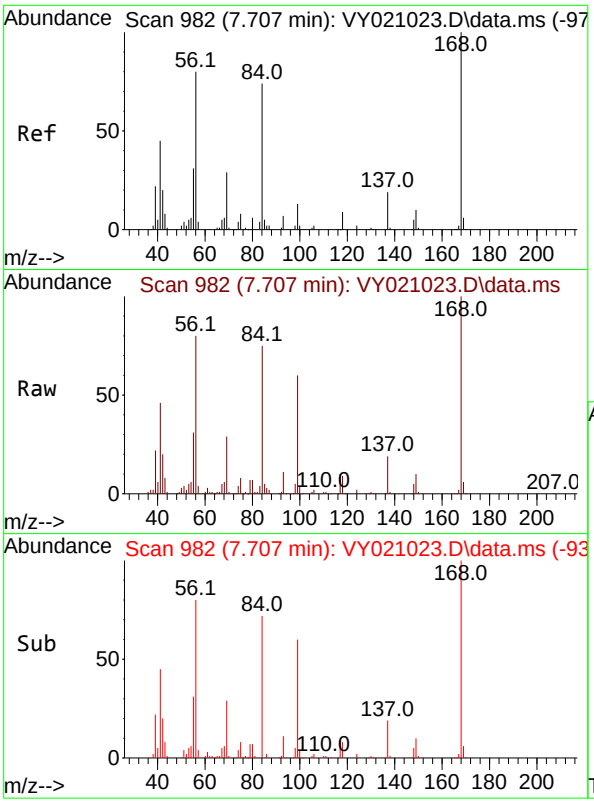


#30
Chloroform
Concen: 59.167 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 181725

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.9	79.3

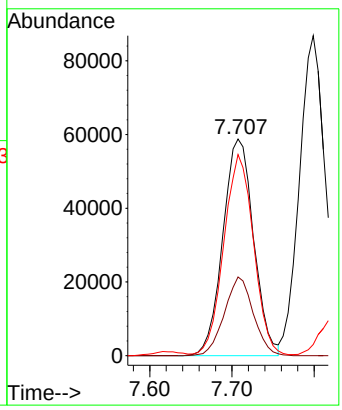




#31
Cyclohexane
Concen: 55.203 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 56 Resp: 15301

Ion	Ratio	Lower	Upper
56	100		
69	36.3	27.7	41.5
84	91.5	77.5	116.3



Instrument :
MSVOA_Y
ClientSampleId :
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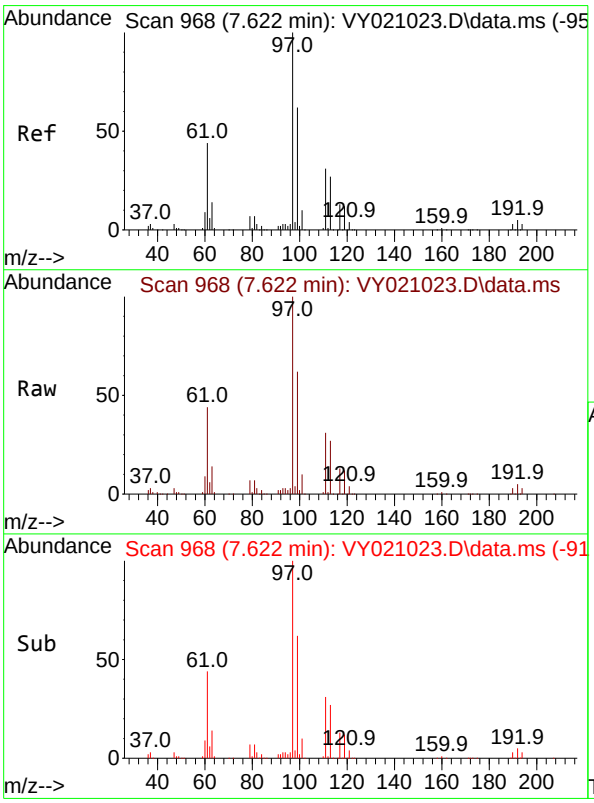
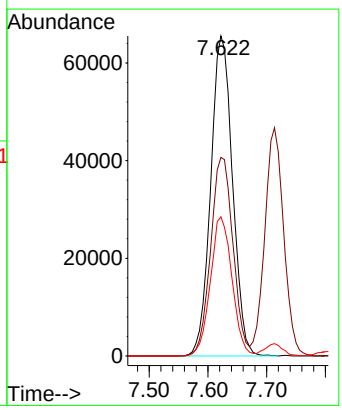
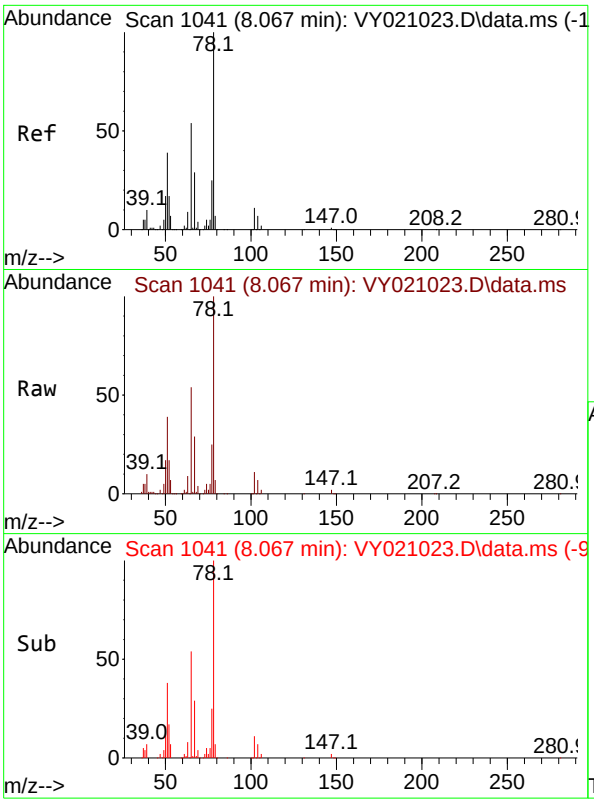


#32
1,1,1-Trichloroethane
Concen: 56.771 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 168751

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	43.3	31.4	47.0





#33
1,2-Dichloroethane-d4
Concen: 59.079 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 65 Resp: 9308

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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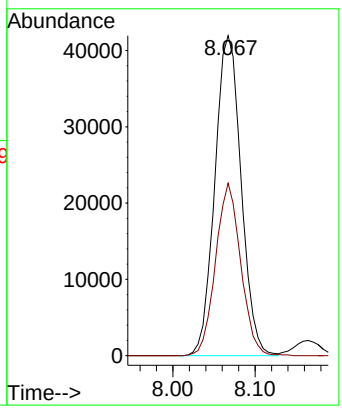
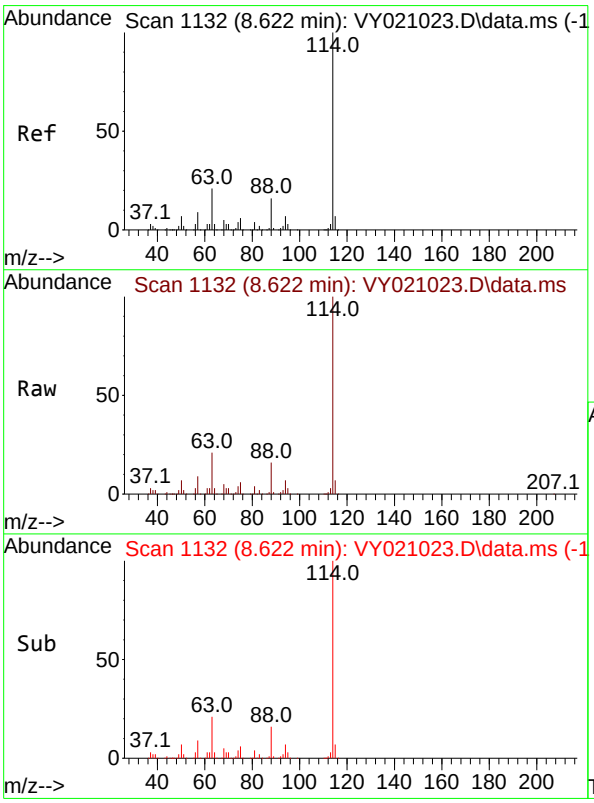
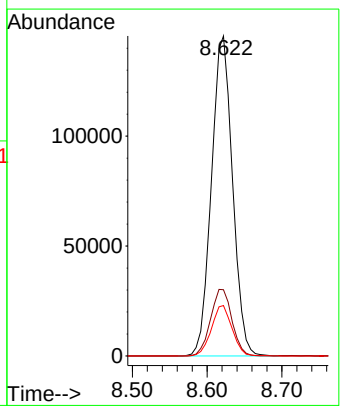


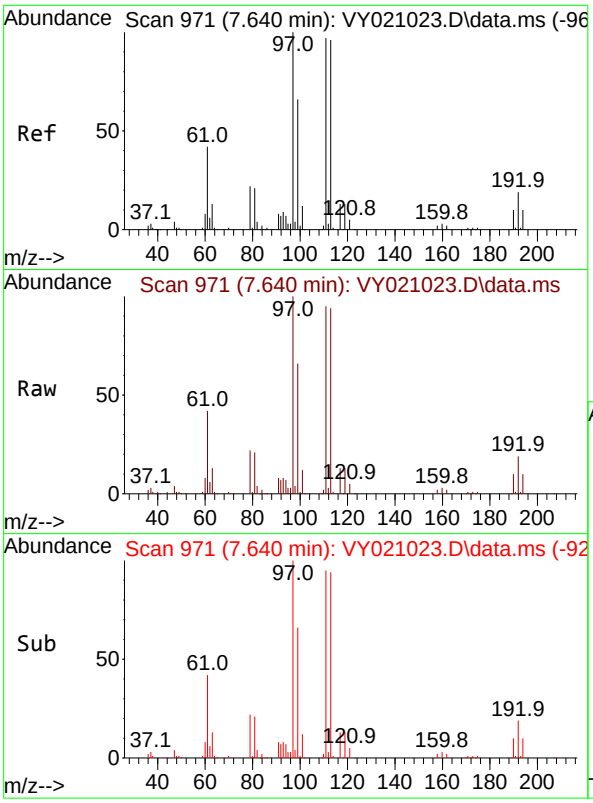


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:114 Resp: 285755

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	37.2
88	15.8	0.0	29.6

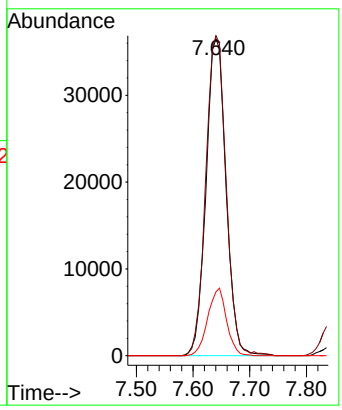




#35
Dibromofluoromethane
Concen: 52.107 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:113 Resp: 8951

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	20.0	16.8	25.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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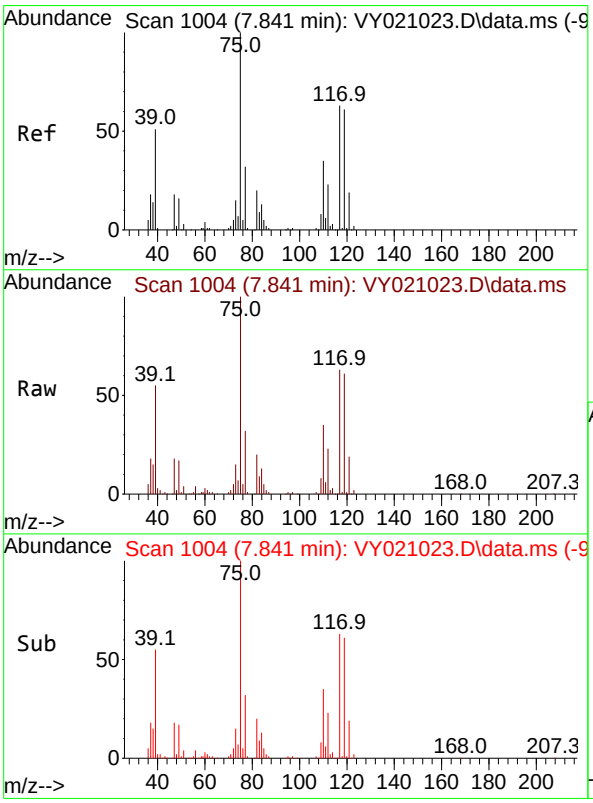
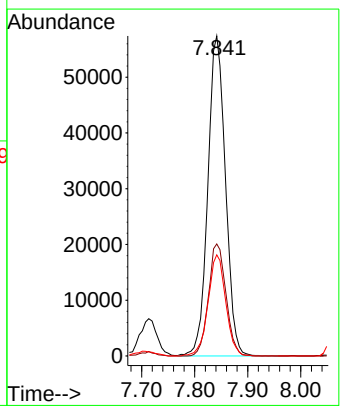
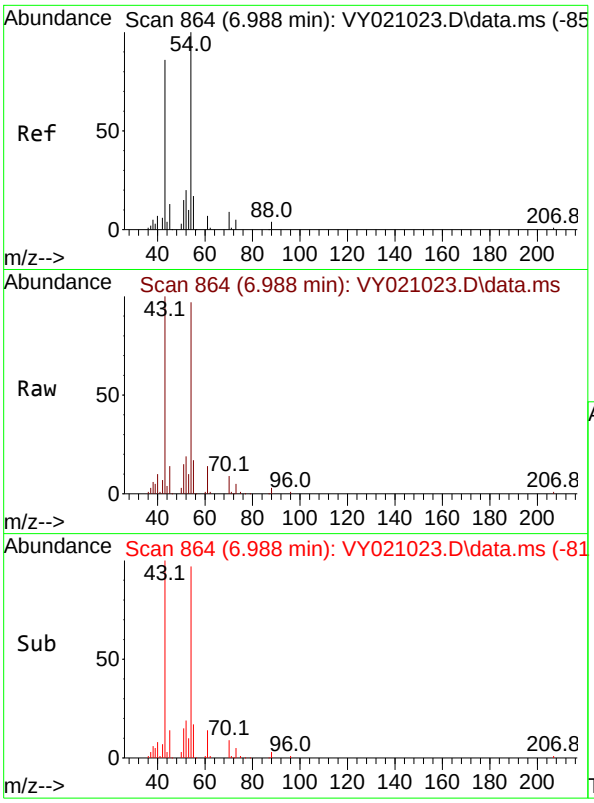


#36
1,1-Dichloropropene
Concen: 54.034 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 132425

Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	55.2
77	31.6	24.9	37.3

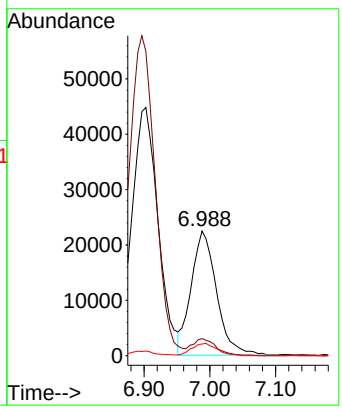




#37
Ethyl Acetate
Concen: 65.852 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 6016

Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.4	17.0
70	9.7	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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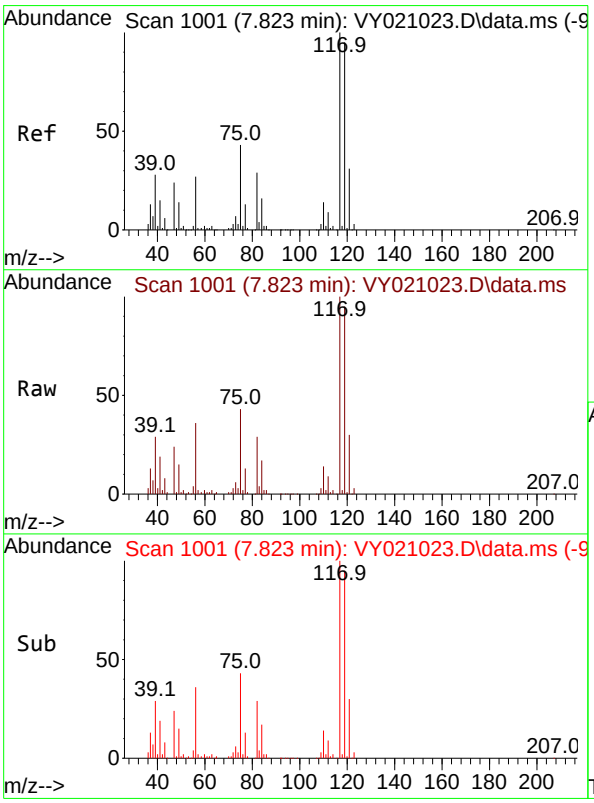
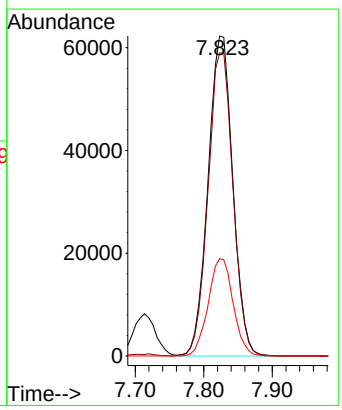
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

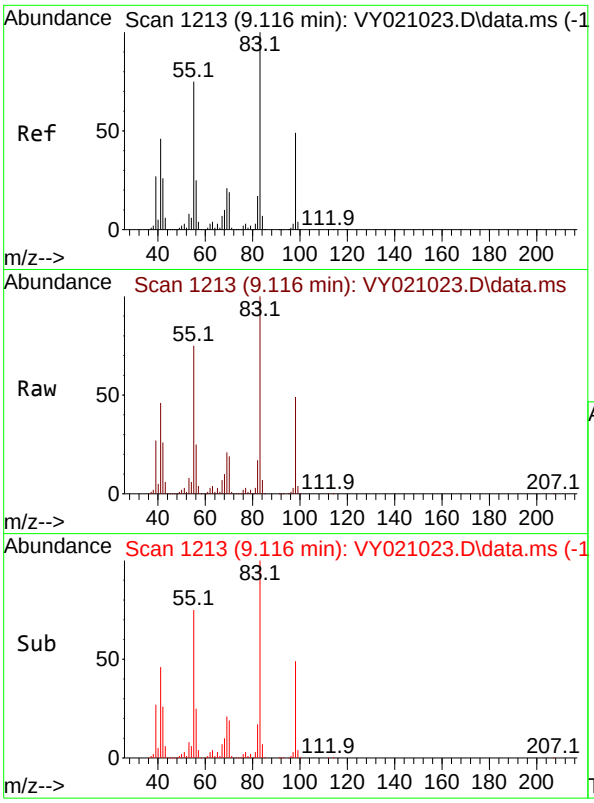


#38
Carbon Tetrachloride
Concen: 51.530 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 156282

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.0	112.6
121	30.4	24.2	36.2





#39
Methylcyclohexane
Concen: 51.064 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 16811

Ion	Ratio	Lower	Upper
83	100		
55	75.0	54.9	82.3
98	49.4	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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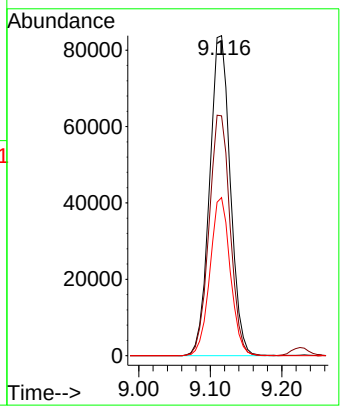
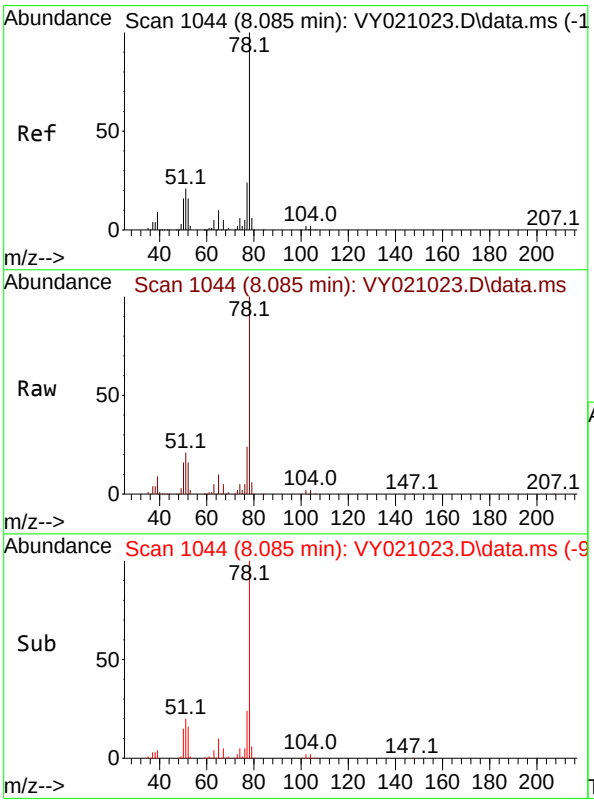
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

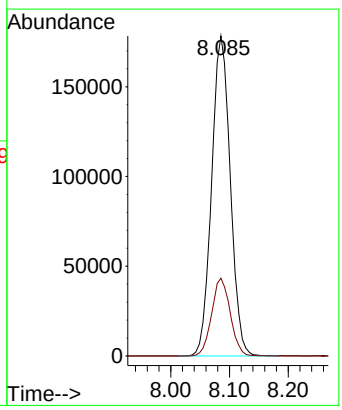


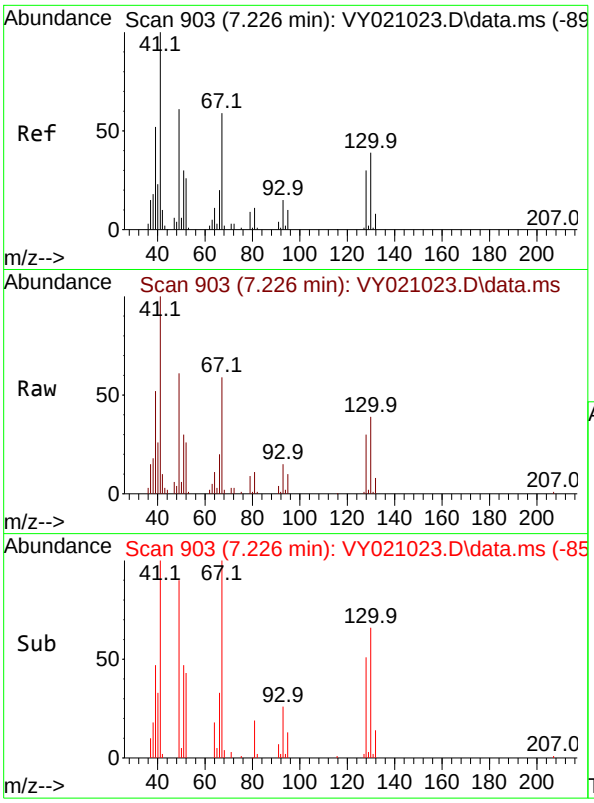


#40
Benzene
Concen: 54.594 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 78 Resp: 393690

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.2

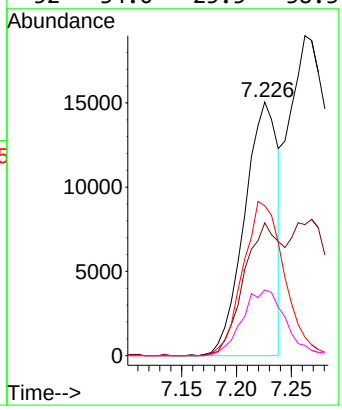




#41
Methacrylonitrile
Concen: 62.707 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 3170

Ion	Ratio	Lower	Upper
41	100		
39	60.9	41.6	62.4
67	75.8	63.8	95.6
52	34.0	25.5	38.3



Instrument :
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ClientSampleId :
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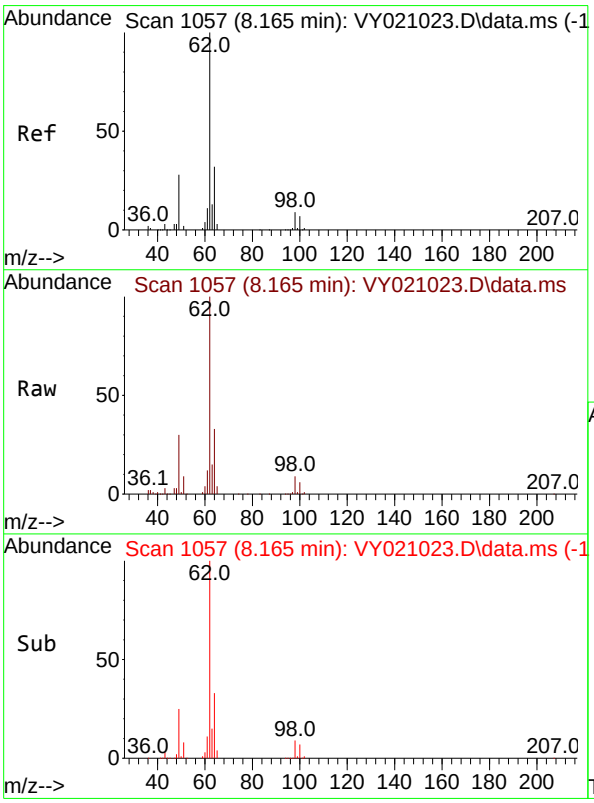
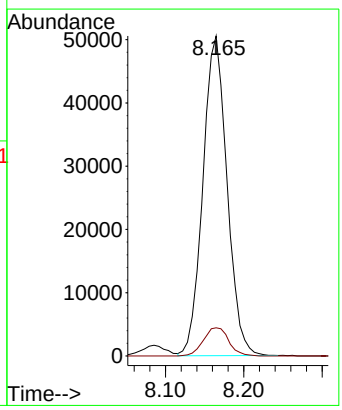
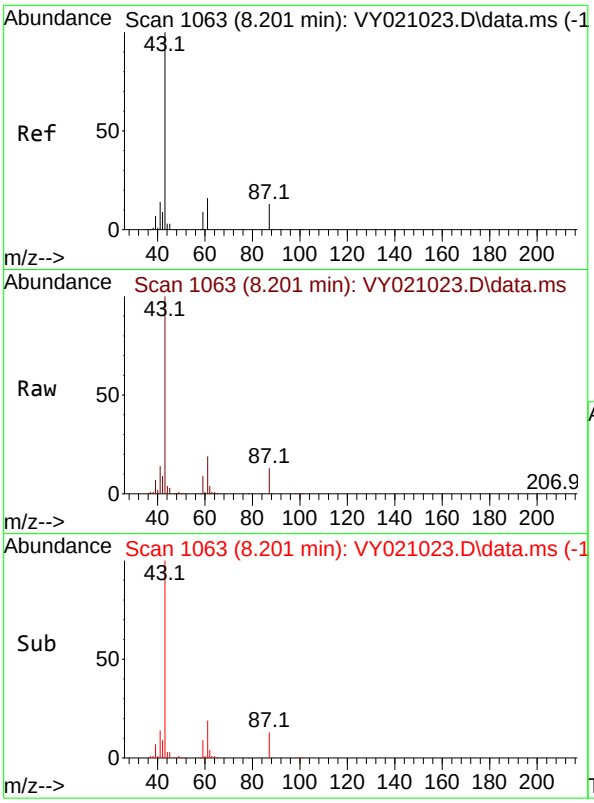


#42
1,2-Dichloroethane
Concen: 59.191 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 108251

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4





#43
Isopropyl Acetate
Concen: 66.087 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 12063

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.6
87	12.8	12.5	18.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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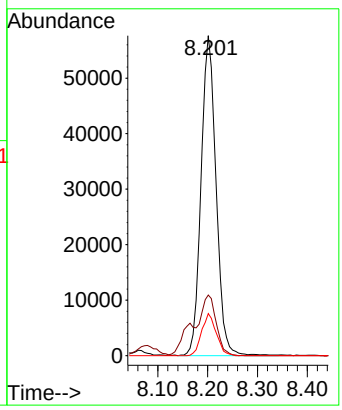
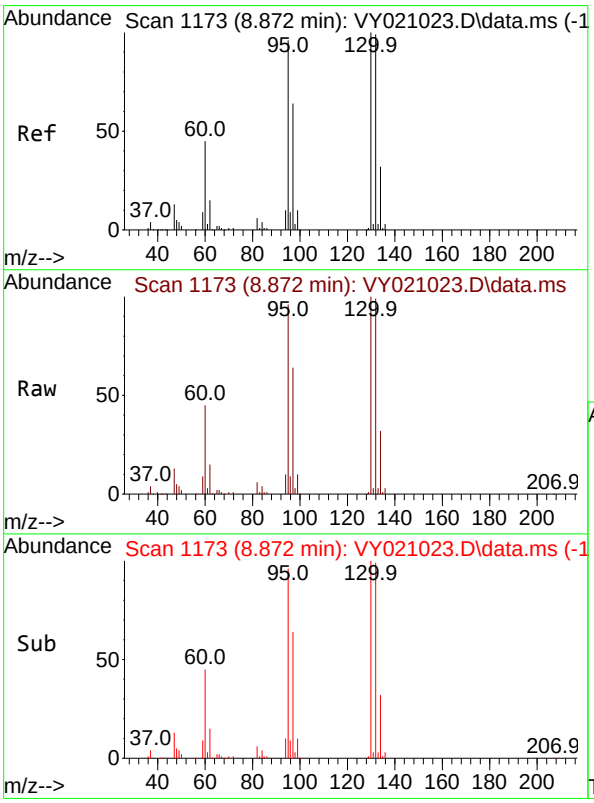
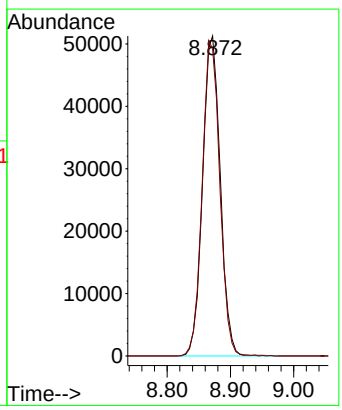


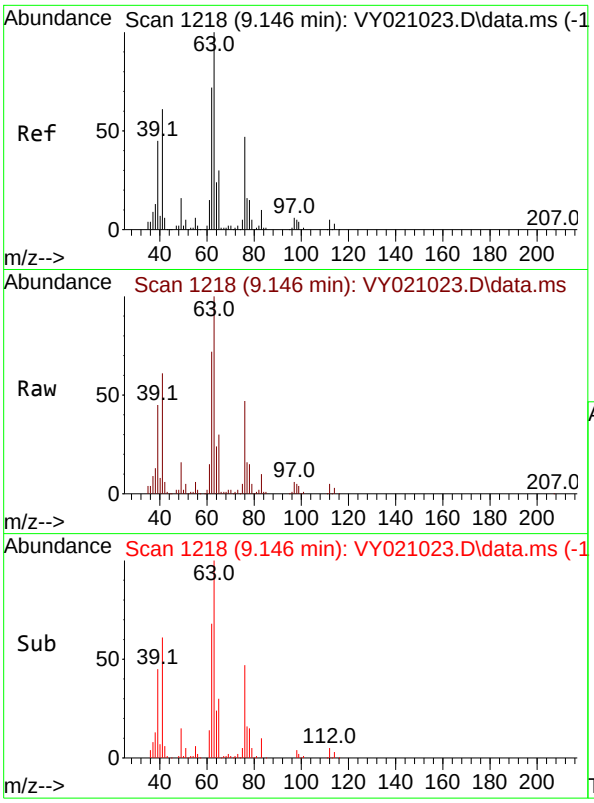


#44
Trichloroethene
Concen: 50.121 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:130 Resp: 99733

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	189.6

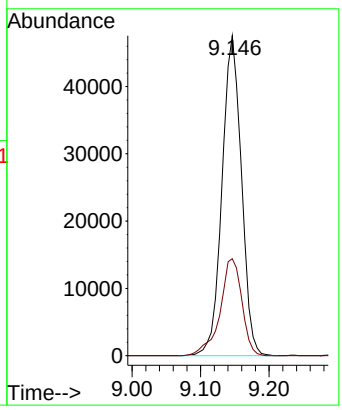




#45
1,2-Dichloropropane
Concen: 57.754 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 9334

Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
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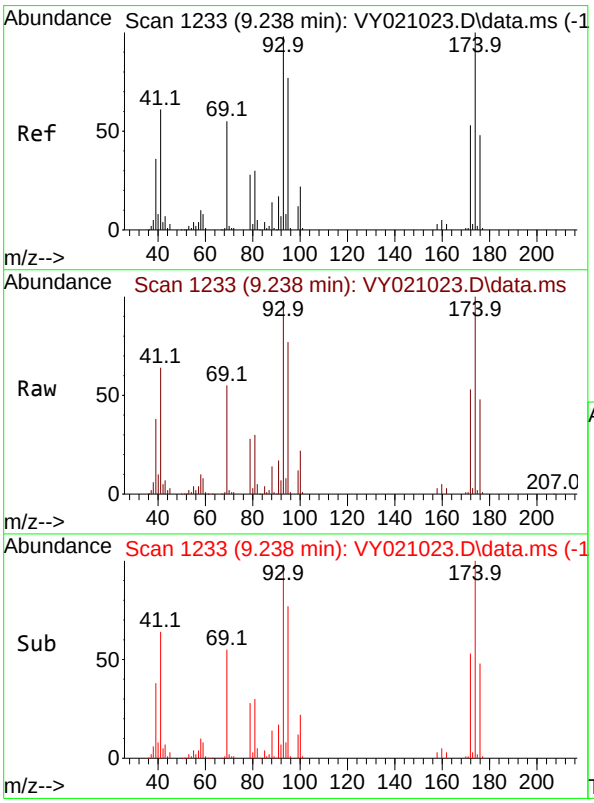
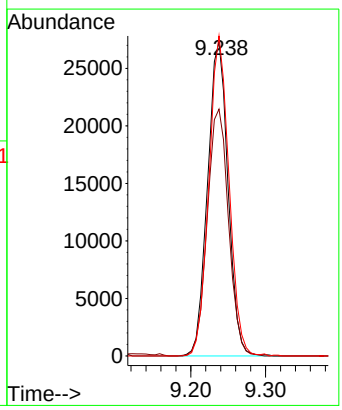
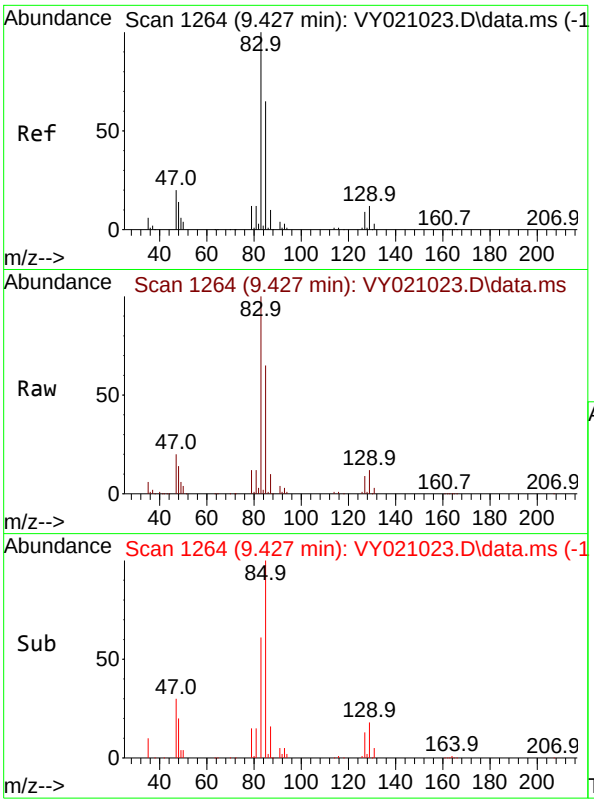


#46
Dibromomethane
Concen: 55.001 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 93 Resp: 51734

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.8
174	100.9	88.1	132.1

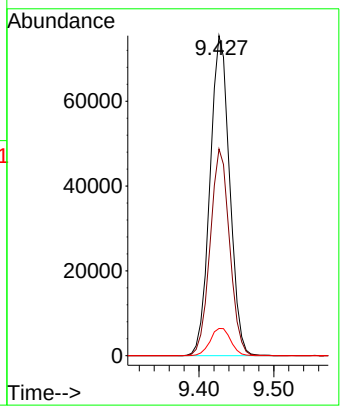




#47
Bromodichloromethane
Concen: 55.807 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 13785

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.6	74.4
127	8.5	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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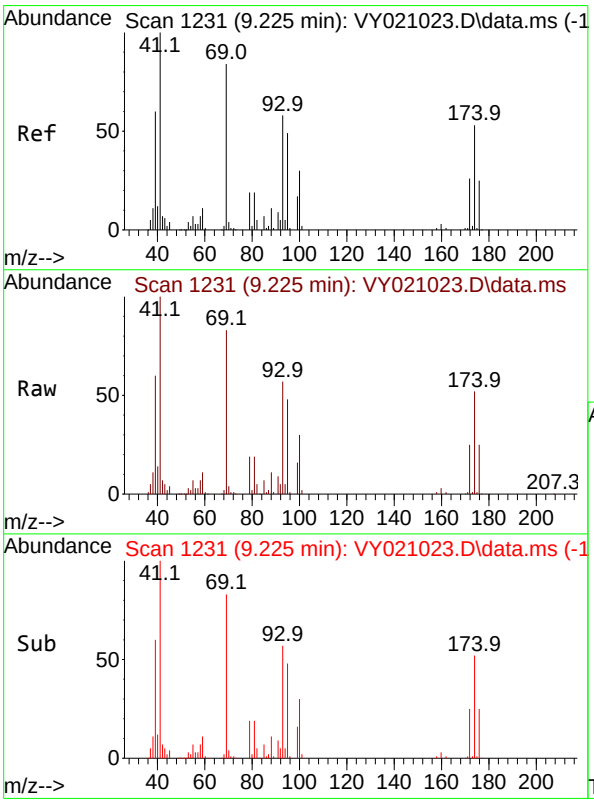
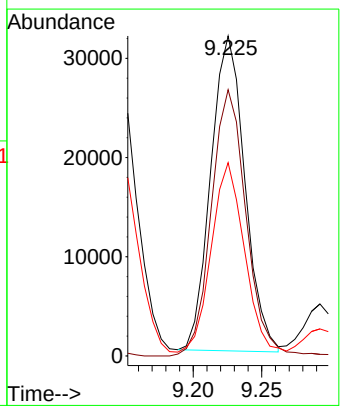
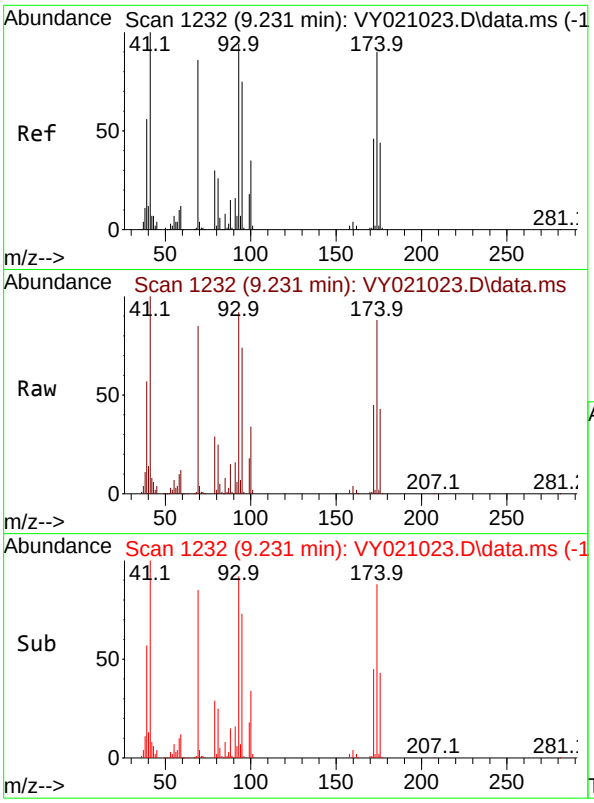


#48
Methyl methacrylate
Concen: 63.113 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 54848

Ion	Ratio	Lower	Upper
41	100		
69	87.0	75.6	113.4
39	58.6	41.3	61.9





#49
1,4-Dioxane
Concen: 1003.514 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 88 Resp: 1003

Ion	Ratio	Lower	Upper
88	100		
43	40.4	24.2	36.4
58	67.0	57.3	85.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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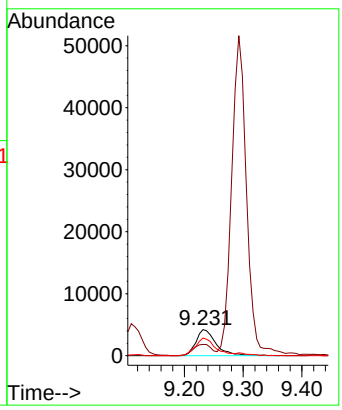
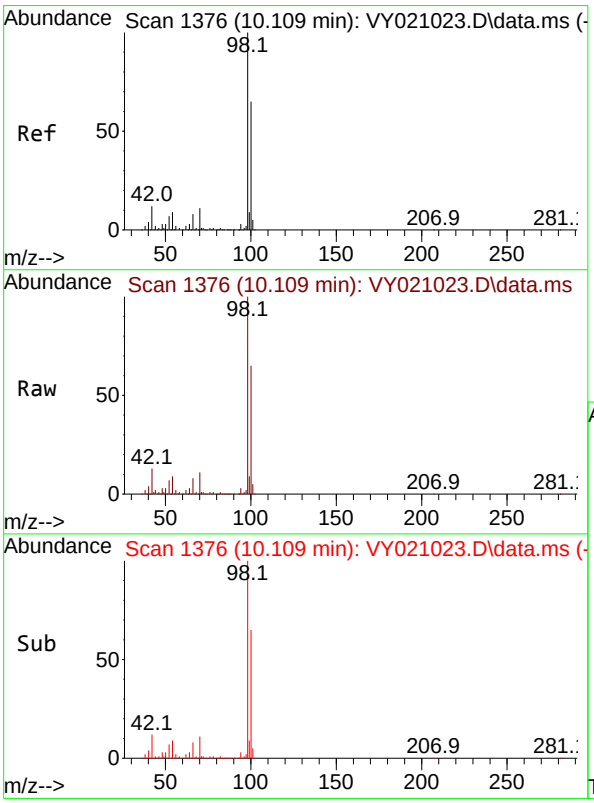
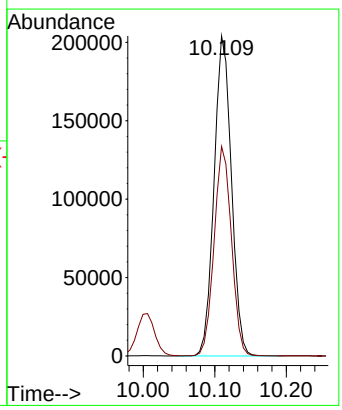


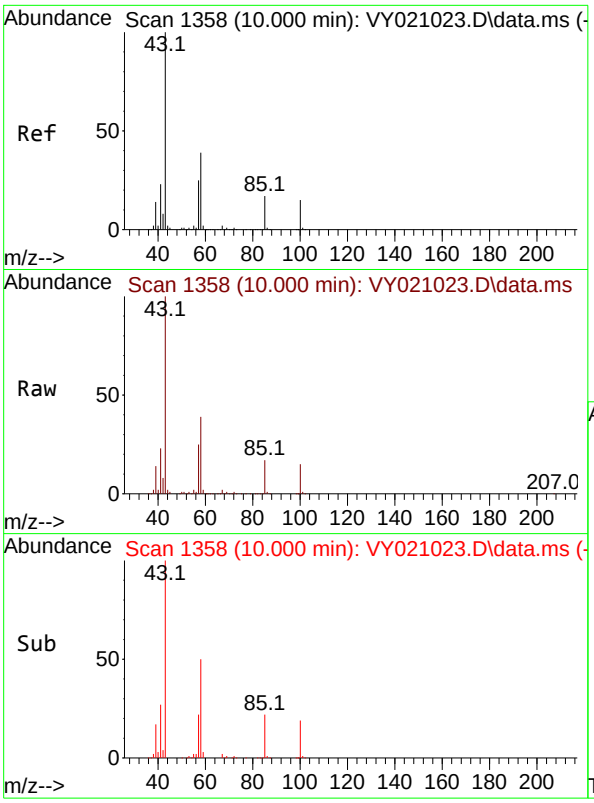


#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 98 Resp: 343592

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 329.038 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 30861

Ion	Ratio	Lower	Upper
43	100		
58	39.0	33.8	50.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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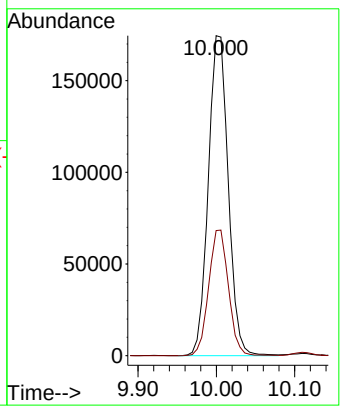
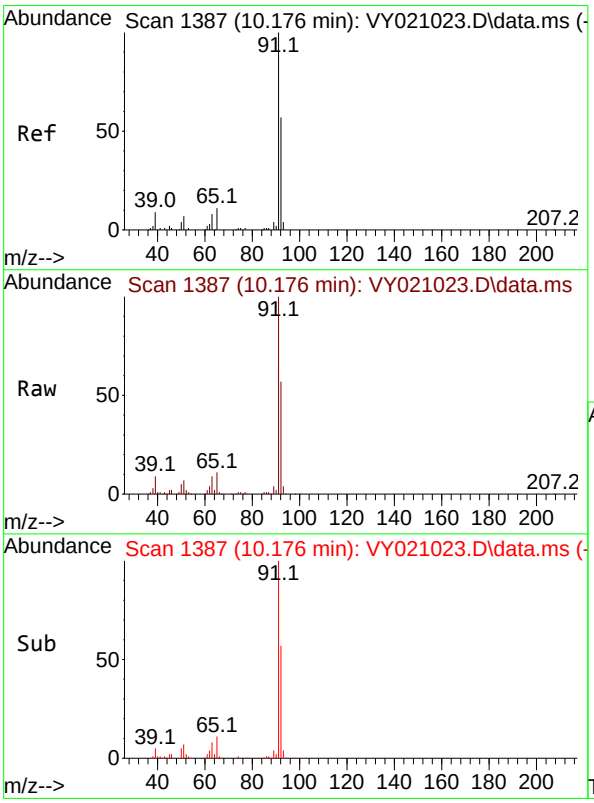
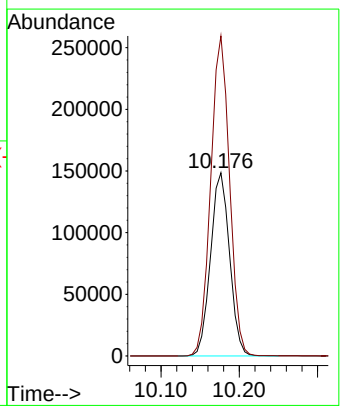


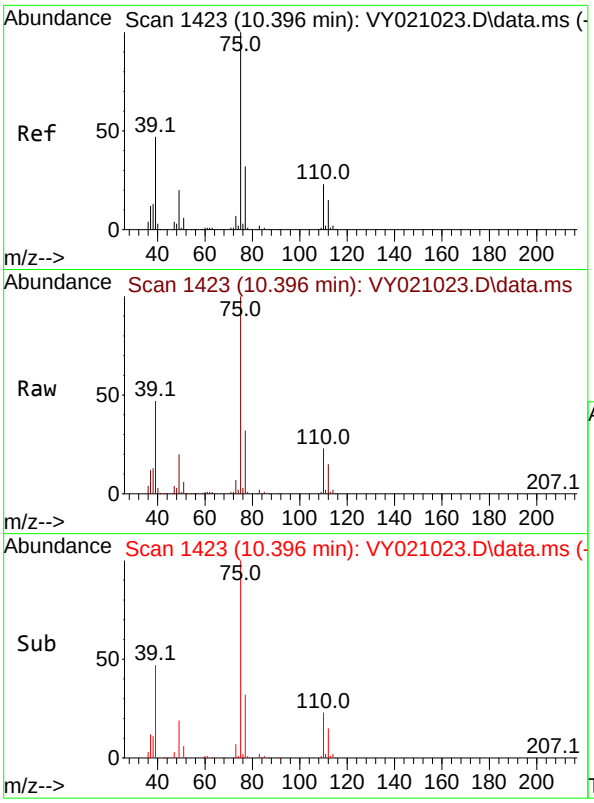


#52
Toluene
Concen: 53.469 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 92 Resp: 250280

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.8	203.8

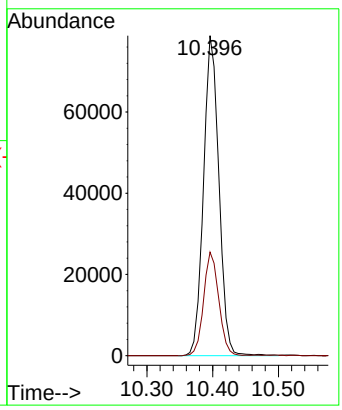




#53
t-1,3-Dichloropropene
Concen: 57.403 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 12831

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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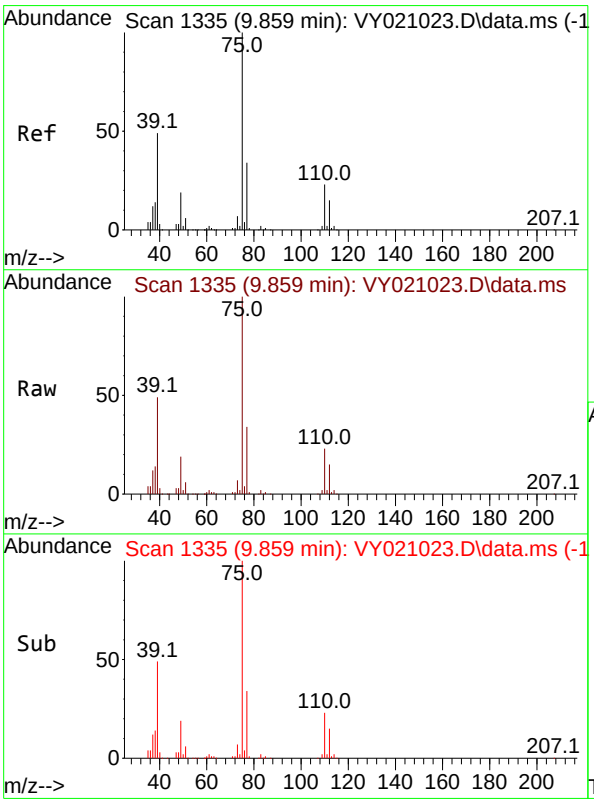
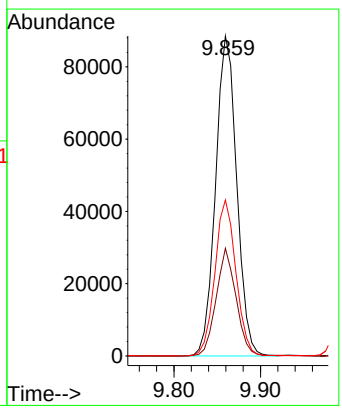
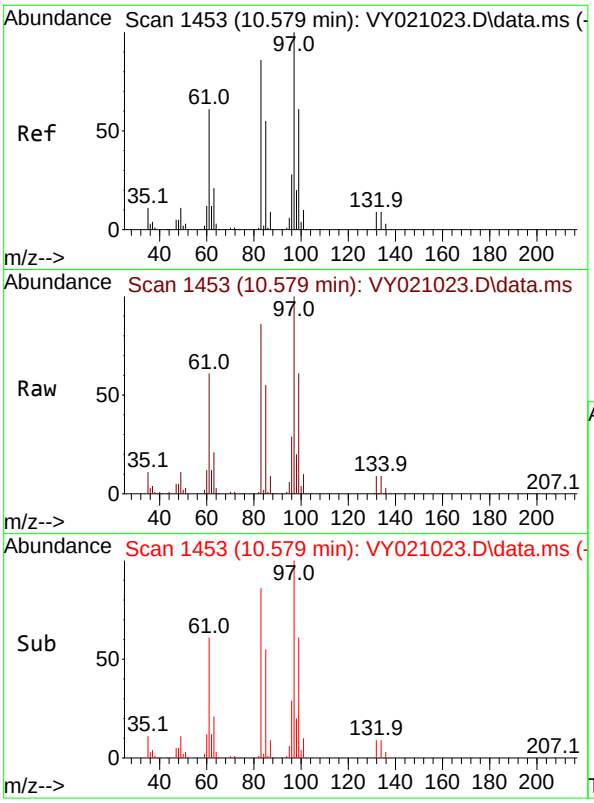


#54
cis-1,3-Dichloropropene
Concen: 56.133 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 149965

Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.4	38.0
39	48.7	32.2	48.2#

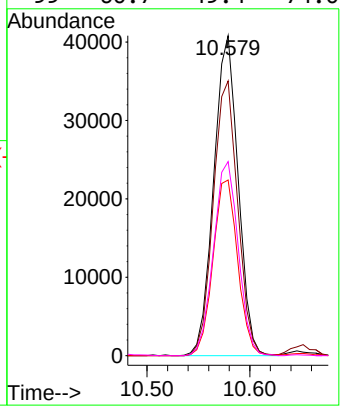




#55
1,1,2-Trichloroethane
Concen: 53.761 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 6724

Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.7	101.5
85	54.9	43.4	65.2
99	60.7	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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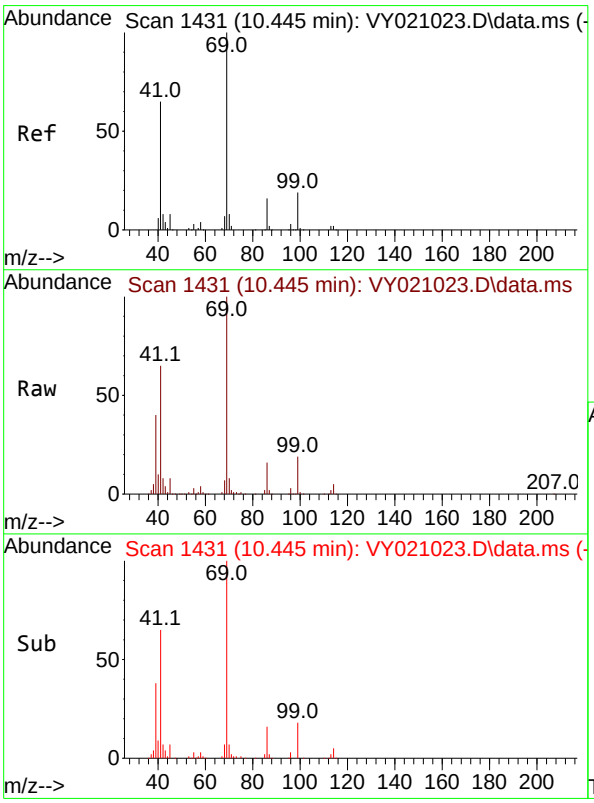
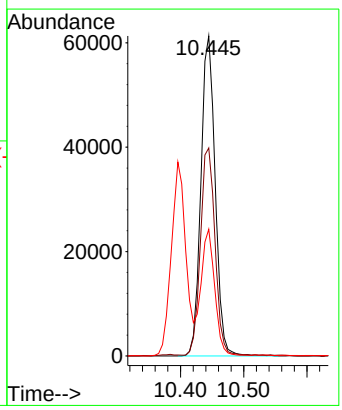
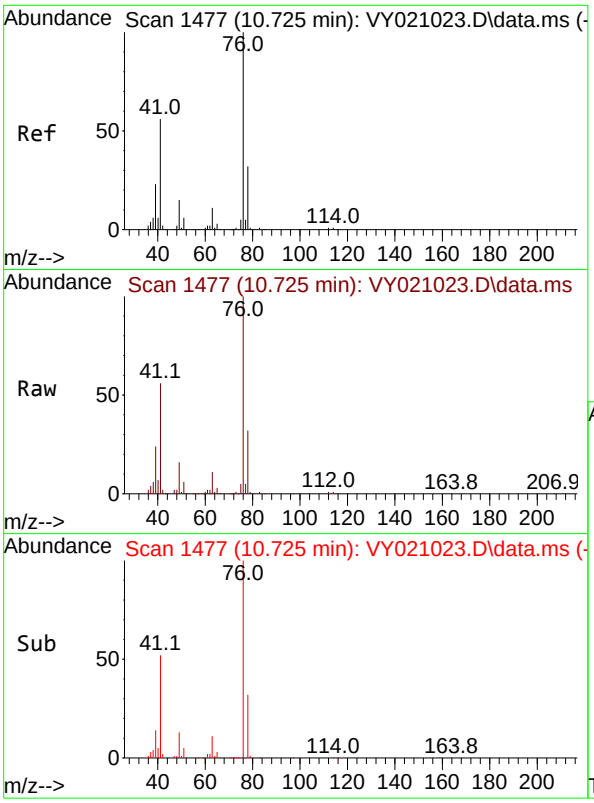


#56
Ethyl methacrylate
Concen: 59.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 69 Resp: 96579

Ion	Ratio	Lower	Upper
69	100		
41	65.9	46.3	69.5
39	38.2	24.5	36.7#

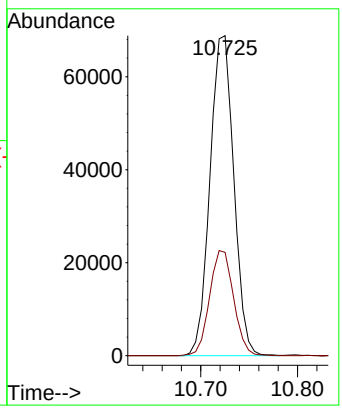




#57
1,3-Dichloropropane
Concen: 55.483 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 76 Resp: 11763

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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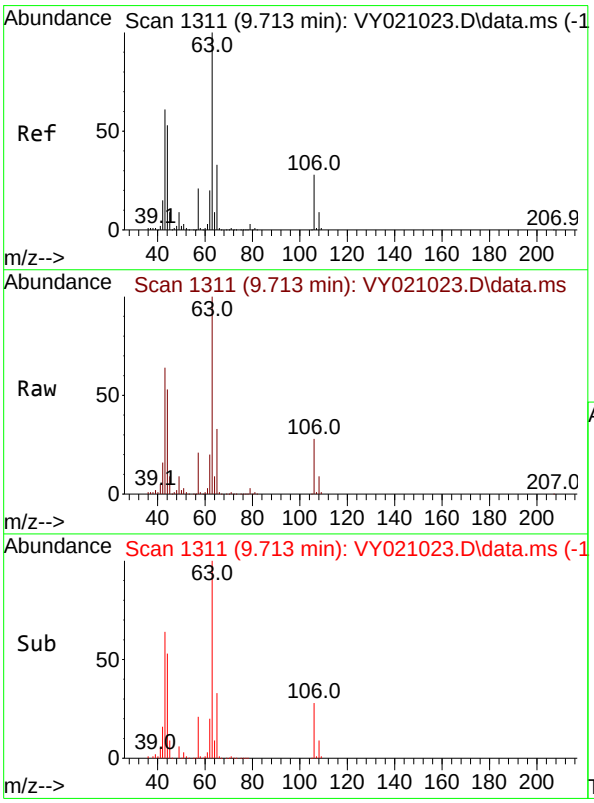
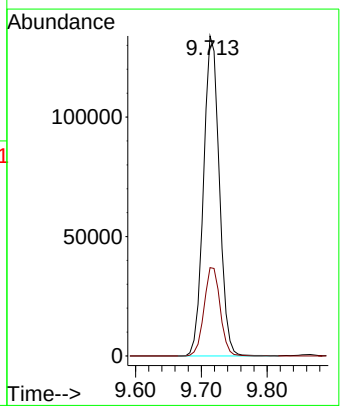
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

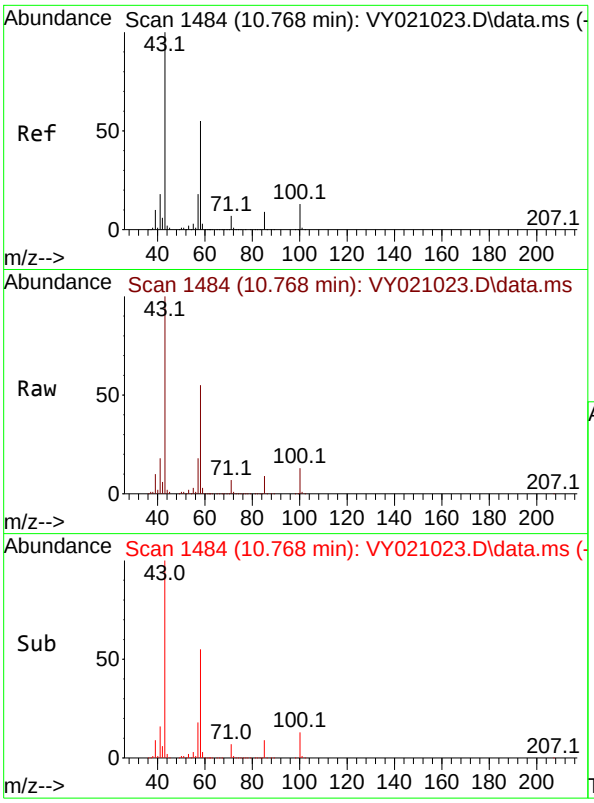


#58
2-Chloroethyl Vinyl ether
Concen: 322.966 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 224134

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1





#59
2-Hexanone
Concen: 336.612 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 20521

Ion	Ratio	Lower	Upper
43	100		
58	53.8	29.8	89.3

Instrument :
MSVOA_Y
ClientSampleId :
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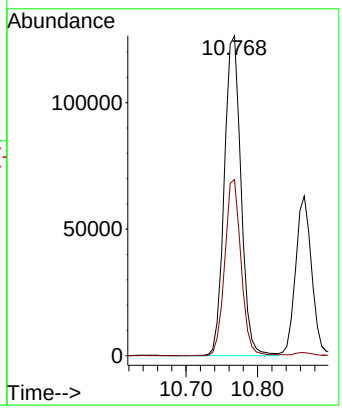
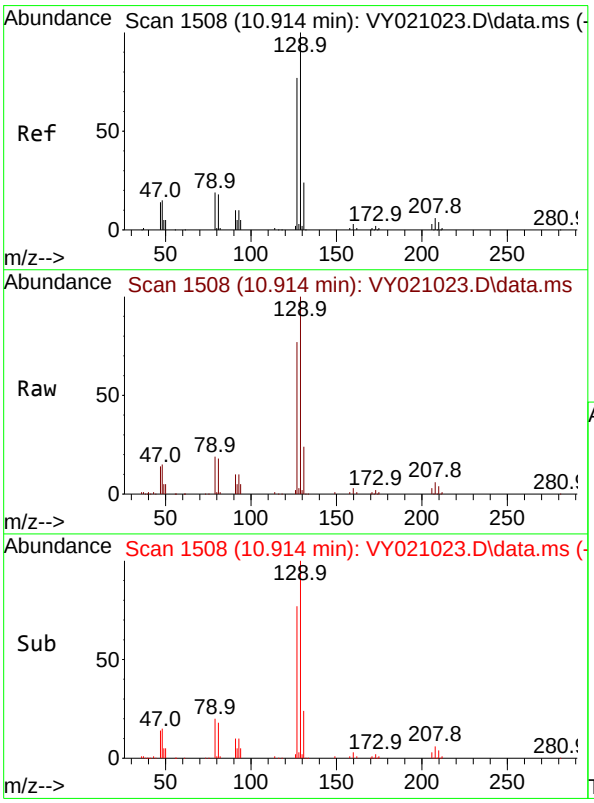
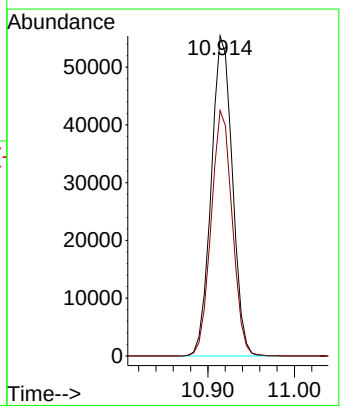


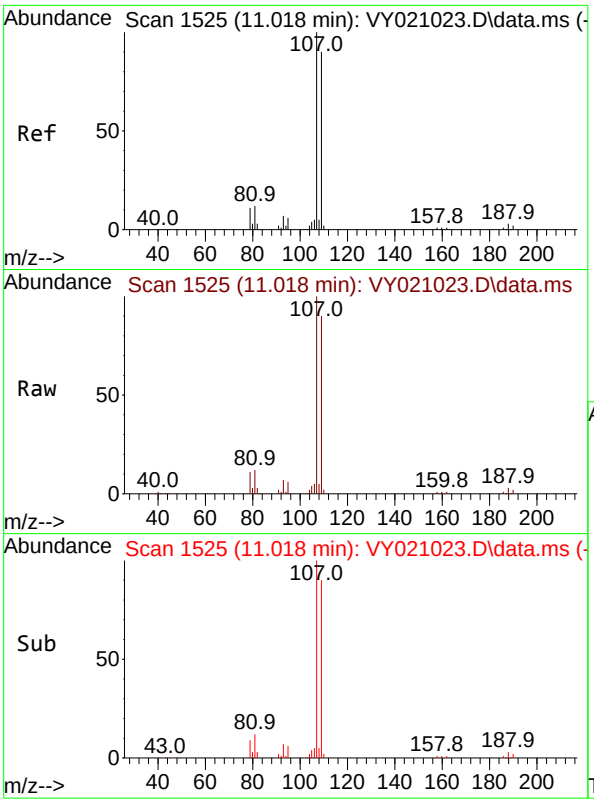


#60
Dibromochloromethane
Concen: 52.680 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:129 Resp: 93957

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3

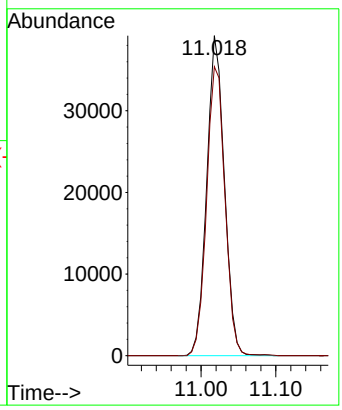




#61
1,2-Dibromoethane
Concen: 53.845 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:107 Resp: 6433

Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.6	114.8



Instrument :
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ClientSampleId :
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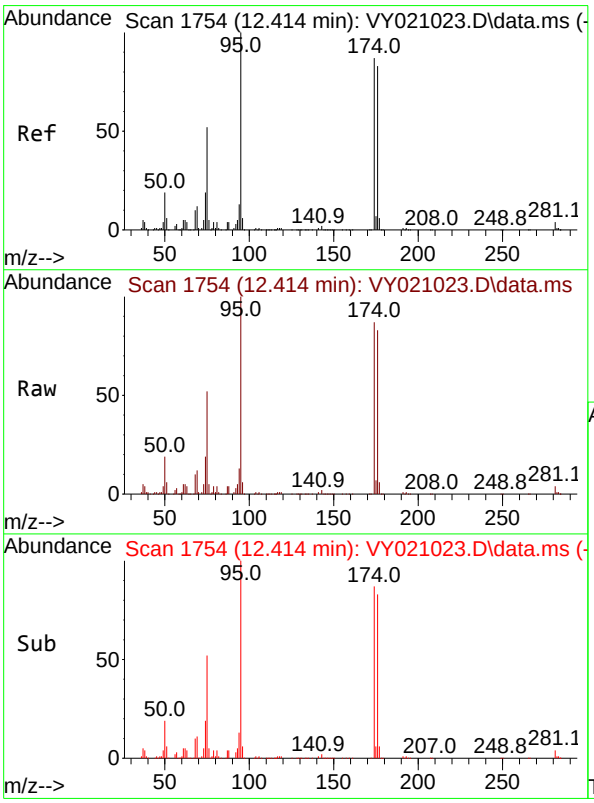
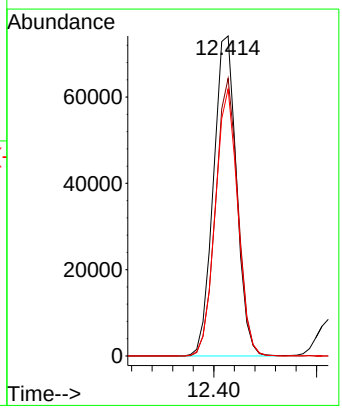
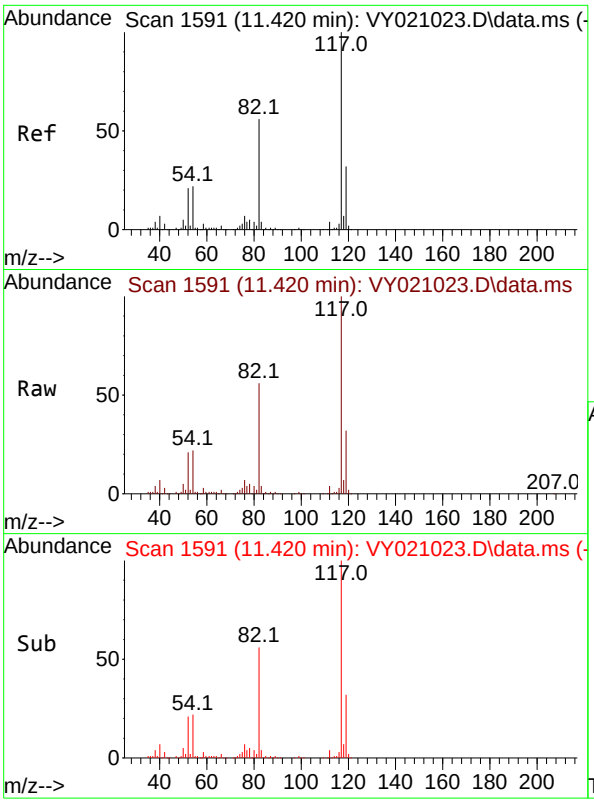


#62
4-Bromofluorobenzene
Concen: 51.200 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 95 Resp: 115197

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	181.2
176	81.5	0.0	175.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 25015

Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.2	66.2
119	32.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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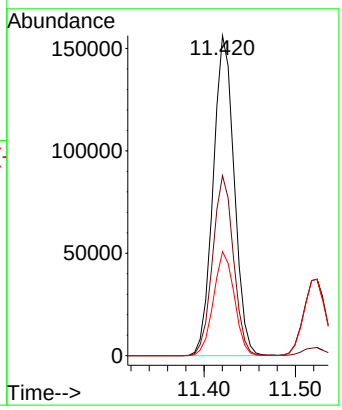
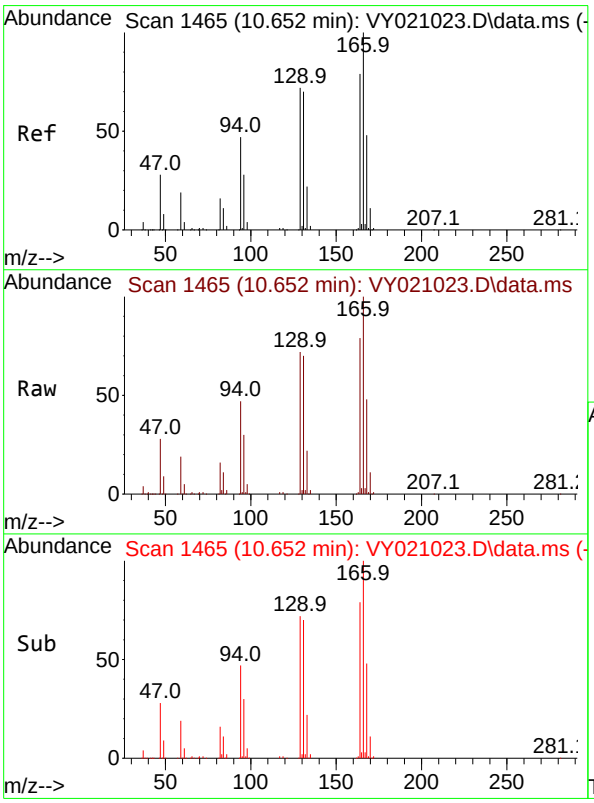
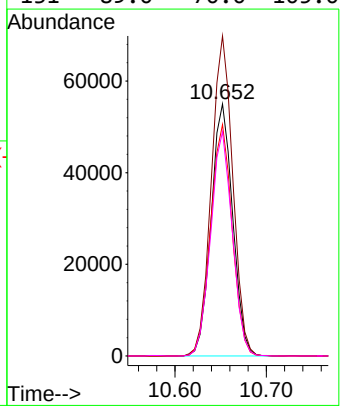


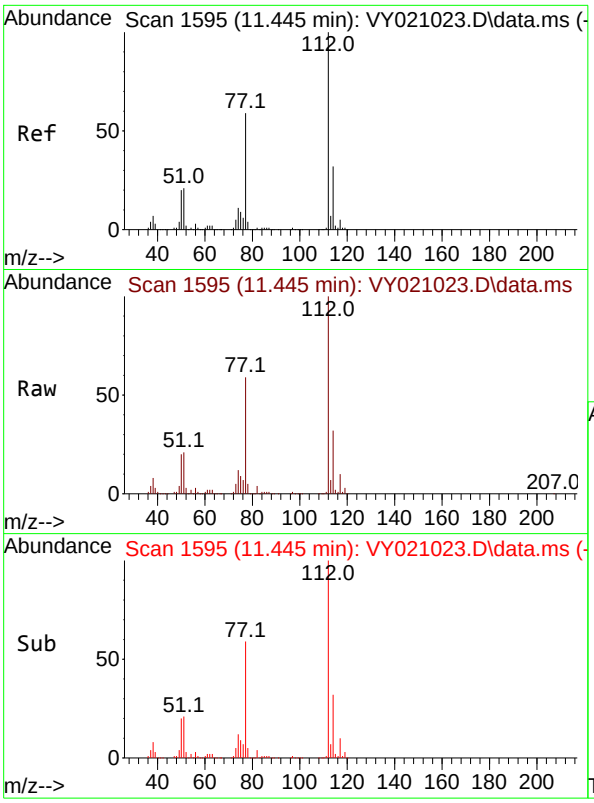


#64
Tetrachloroethene
Concen: 47.817 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:164 Resp: 90228

Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.4	150.6
129	91.8	70.8	106.2
131	89.0	70.0	105.0

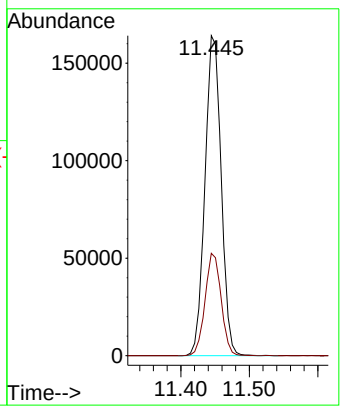




#65
Chlorobenzene
Concen: 51.263 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:112 Resp: 27017

Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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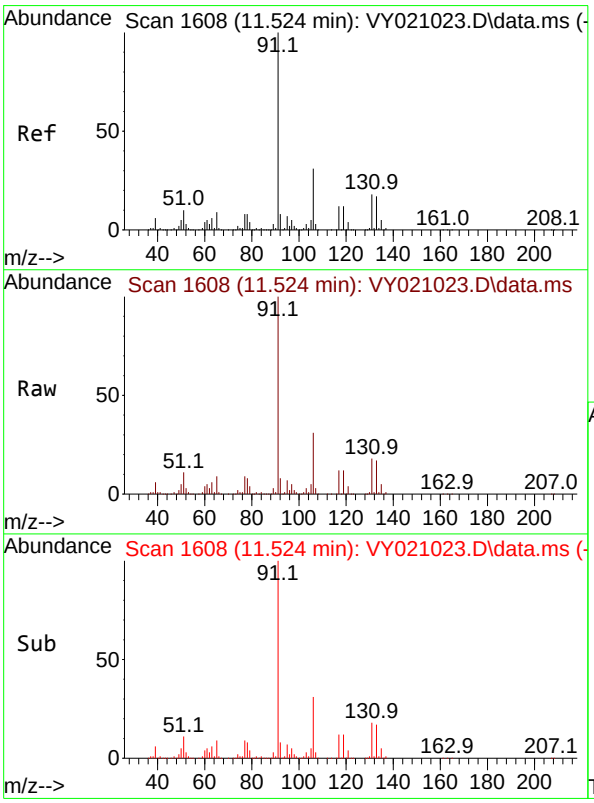
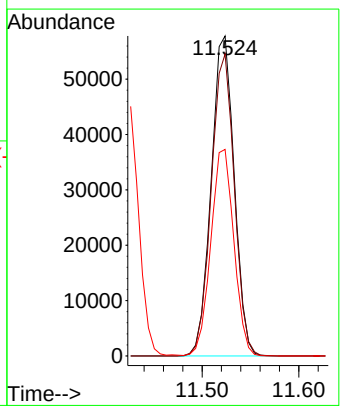
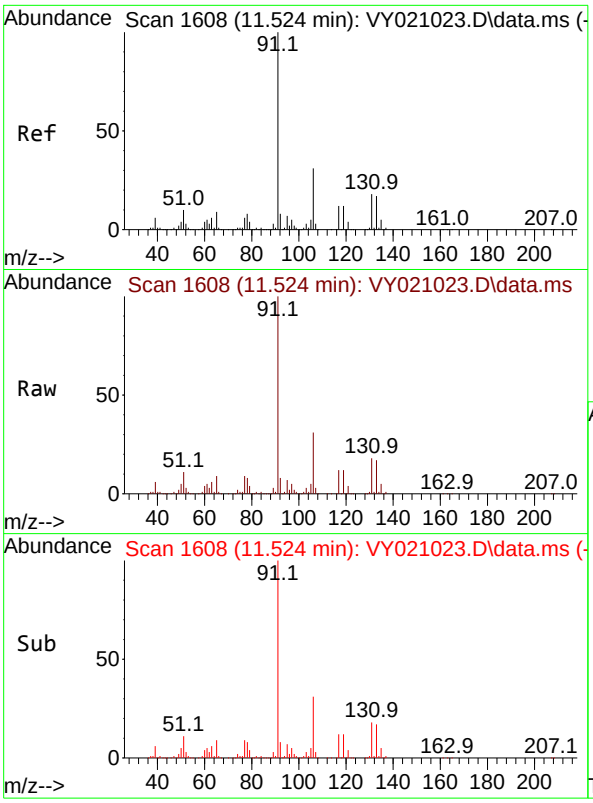


#66
1,1,1,2-Tetrachloroethane
Concen: 51.137 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:131 Resp: 95653

Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.7	146.1
119	64.7	31.4	94.3

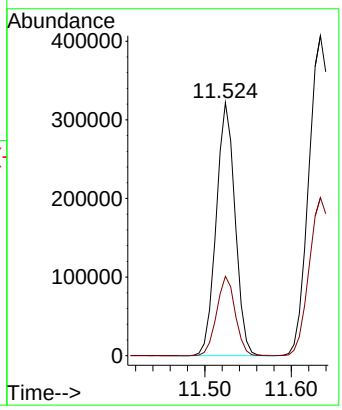




#67
Ethyl Benzene
Concen: 53.265 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 48605

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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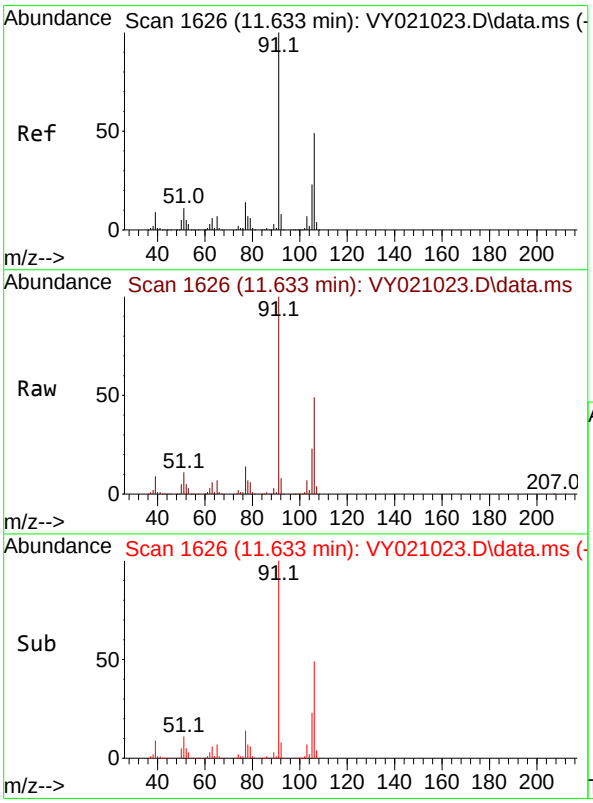
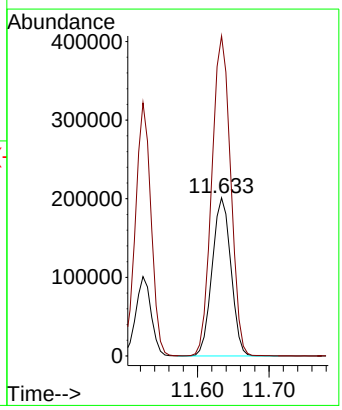
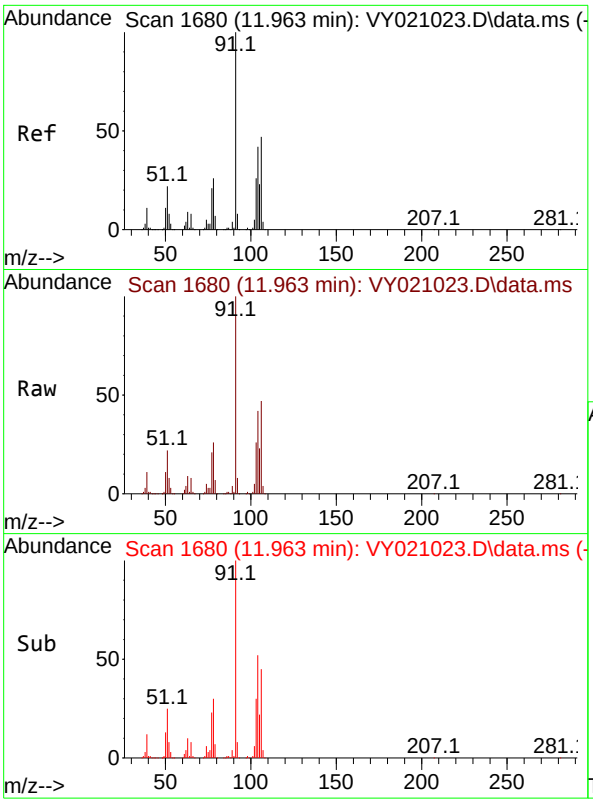


#68
m/p-Xylenes
Concen: 104.538 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 366509

Ion	Ratio	Lower	Upper
106	100		
91	203.4	160.0	240.0

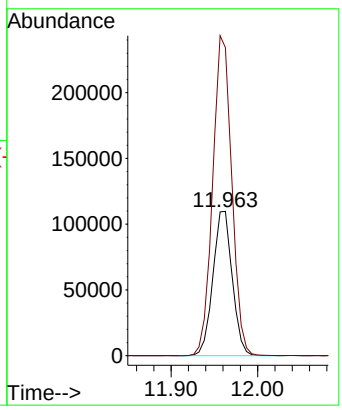




#69
o-Xylene
Concen: 52.229 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 17022

Ion	Ratio	Lower	Upper
106	100		
91	218.8	105.8	317.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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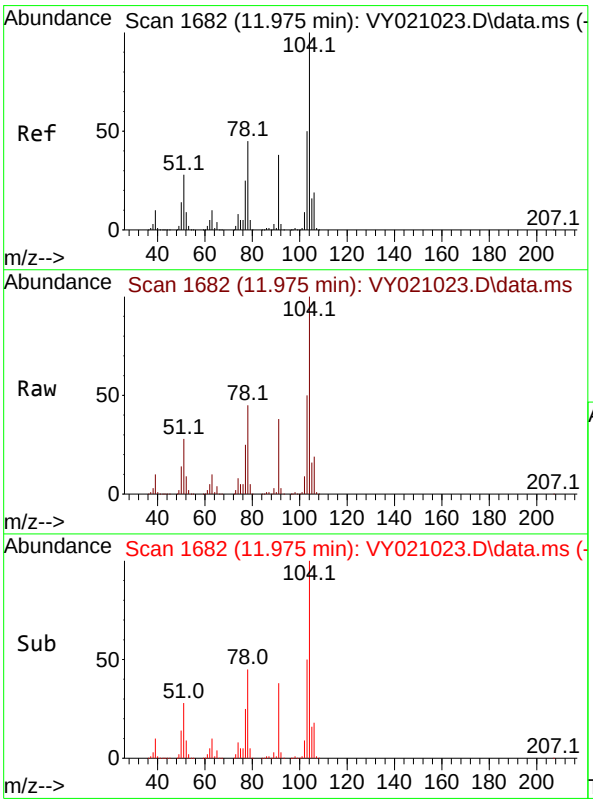
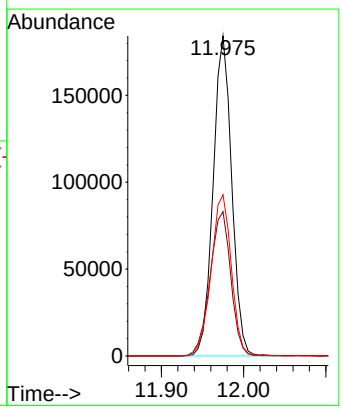
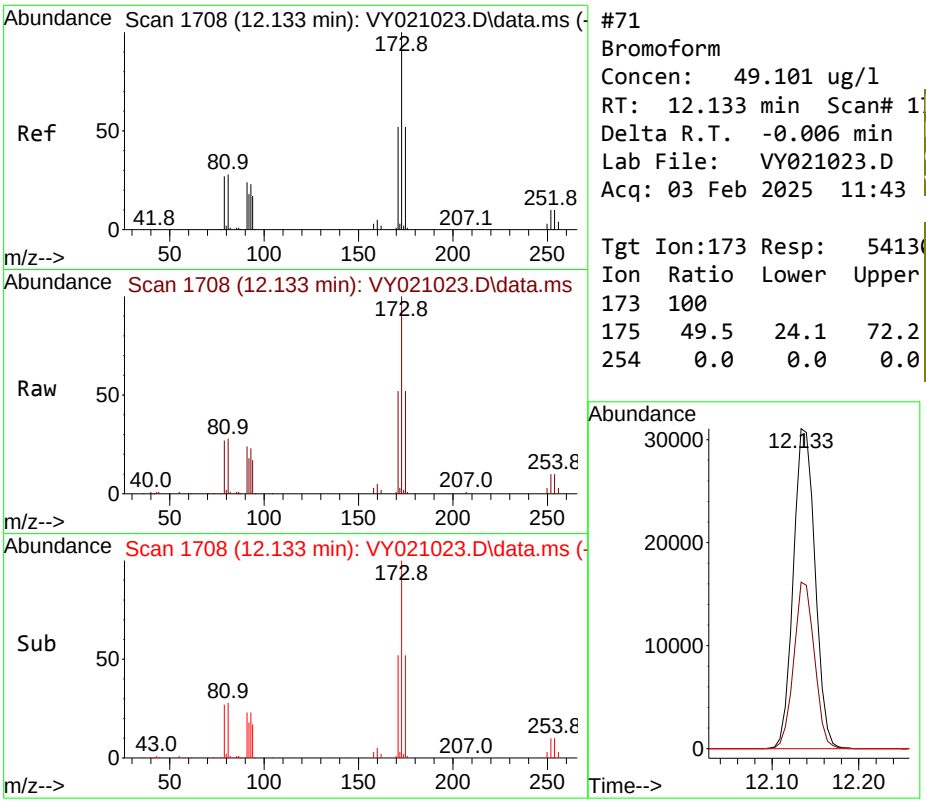


#70
Styrene
Concen: 53.426 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:104 Resp: 289102

Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.0	58.4
103	55.0	43.7	65.5





#71
Bromoform
Concen: 49.101 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:173 Resp: 5413

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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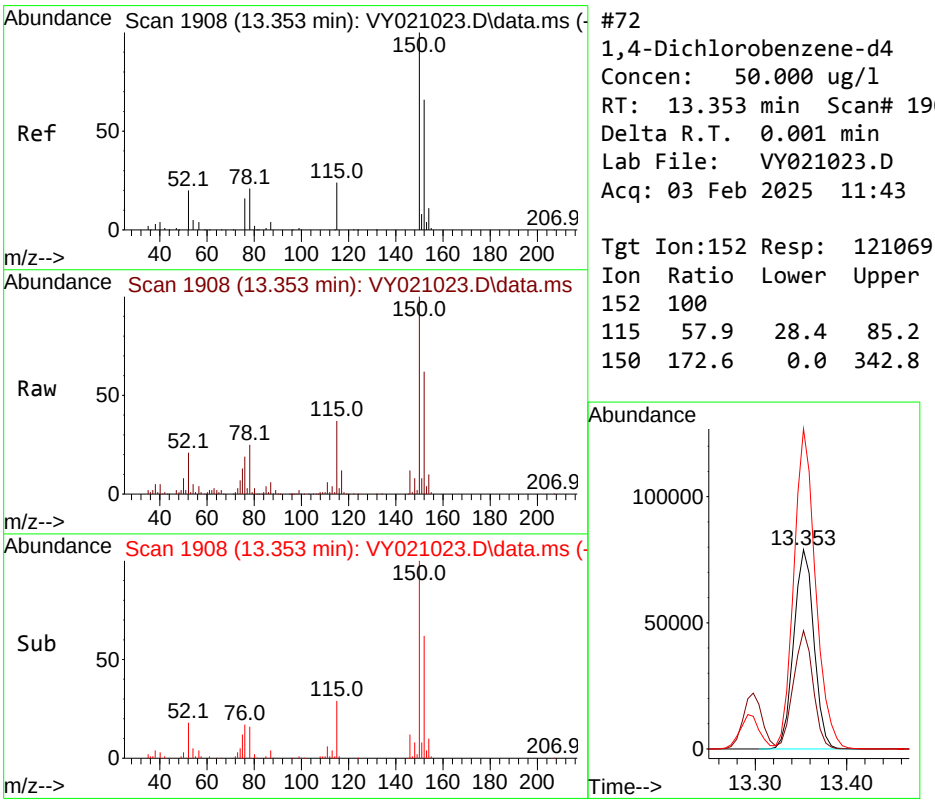
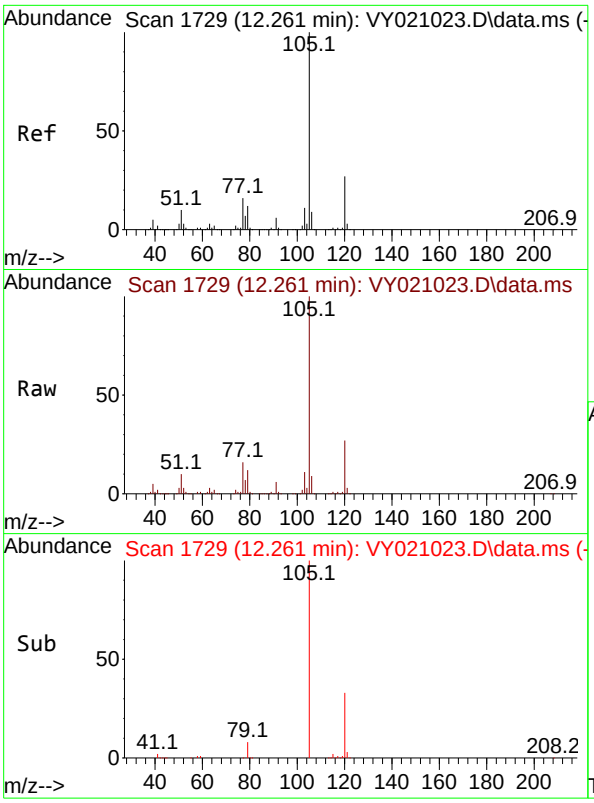


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:152 Resp: 121069

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.4	85.2
150	172.6	0.0	342.8



#73
Isopropylbenzene
Concen: 54.240 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 46119

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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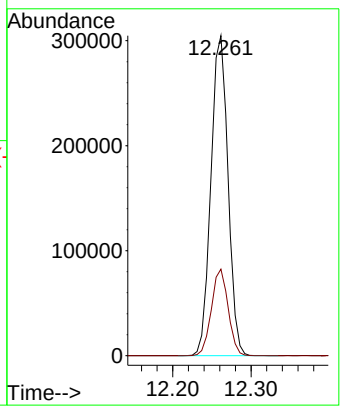
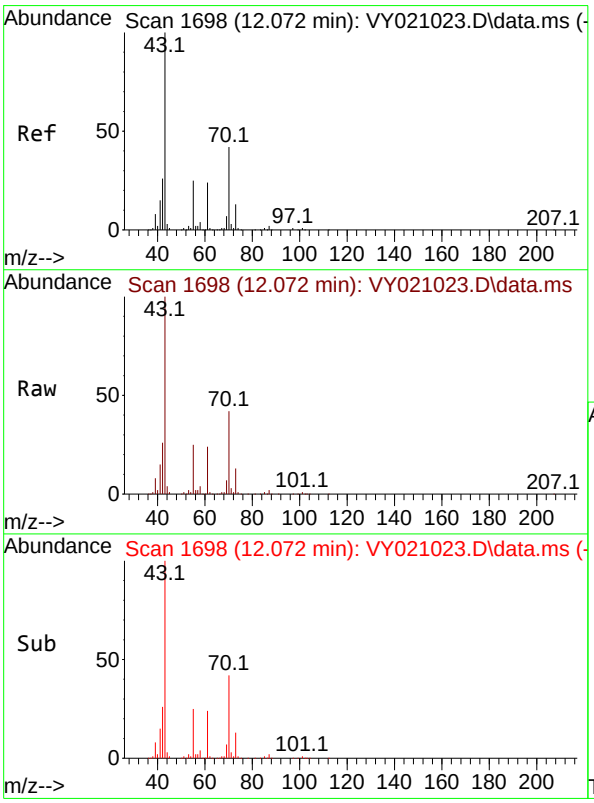
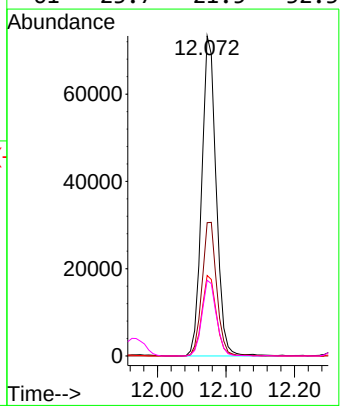


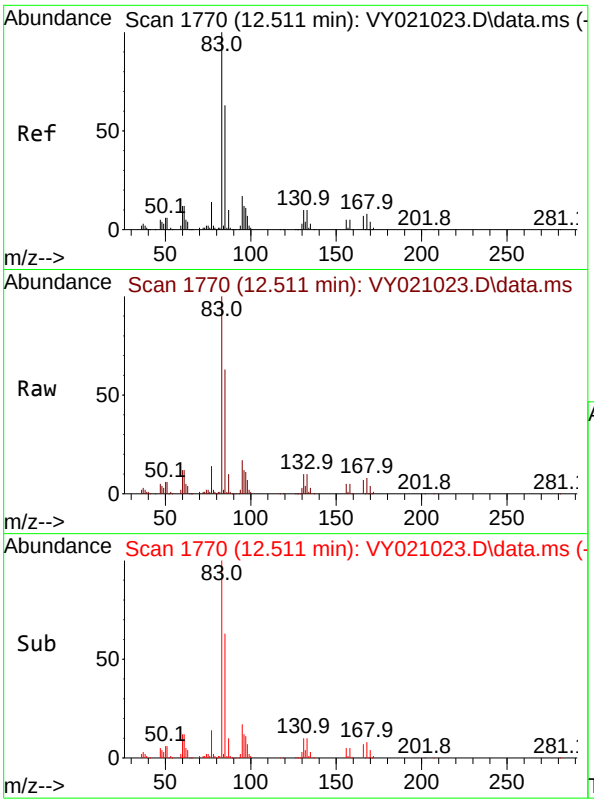


#74
N-amyl acetate
Concen: 69.346 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 107371

Ion	Ratio	Lower	Upper
43	100		
70	42.3	39.3	58.9
55	25.3	22.3	33.5
61	23.7	21.5	32.3

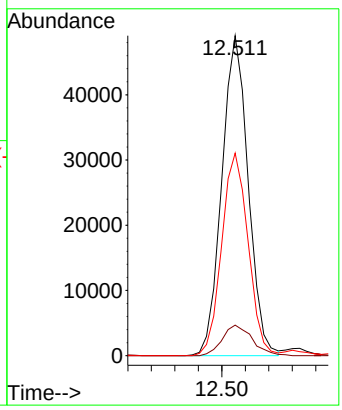




#75
1,1,2,2-Tetrachloroethane
Concen: 55.736 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 7650

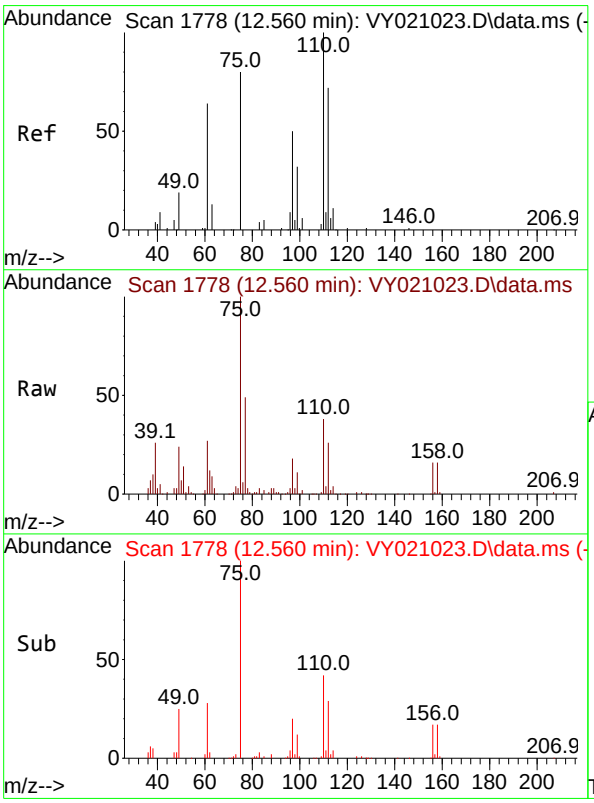
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	63.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

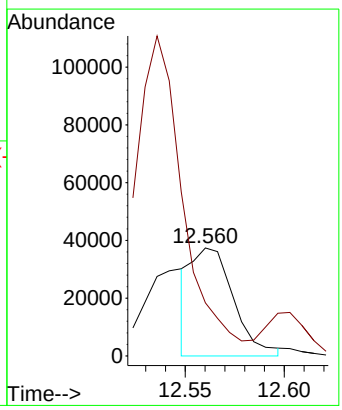
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

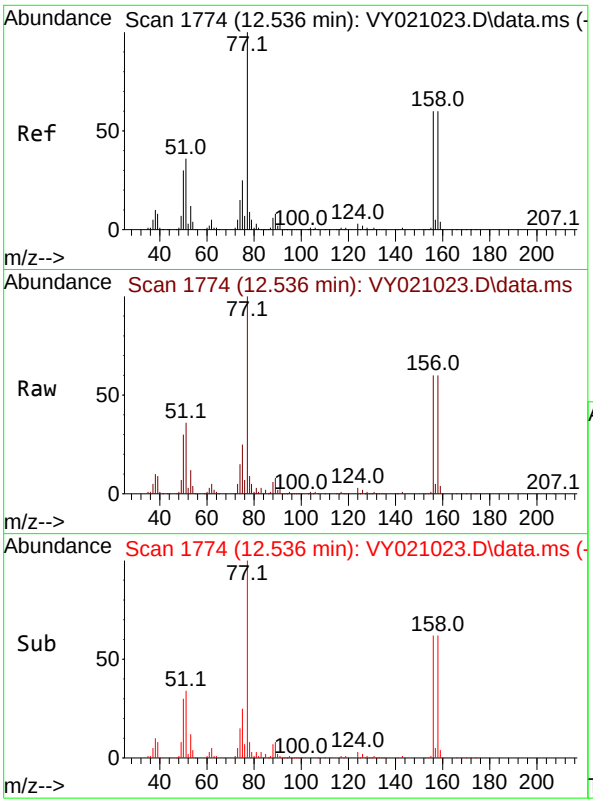


#76
1,2,3-Trichloropropane
Concen: 58.330 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 55904

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

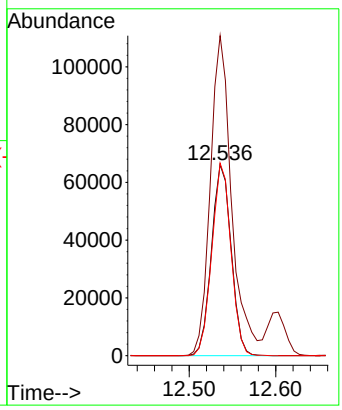




#77
Bromobenzene
Concen: 51.889 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:156 Resp: 10460

Ion	Ratio	Lower	Upper
156	100		
77	180.1	83.3	249.9
158	97.9	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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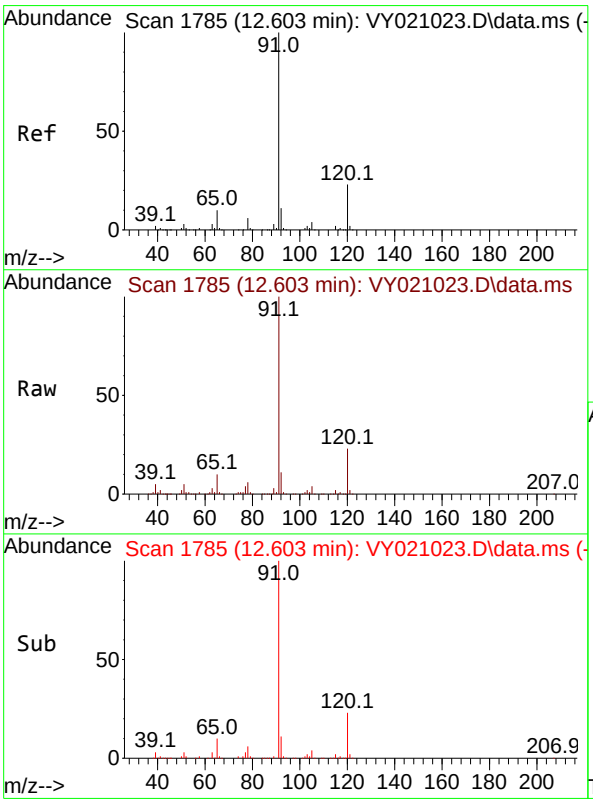
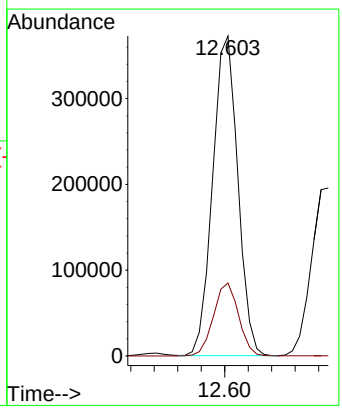
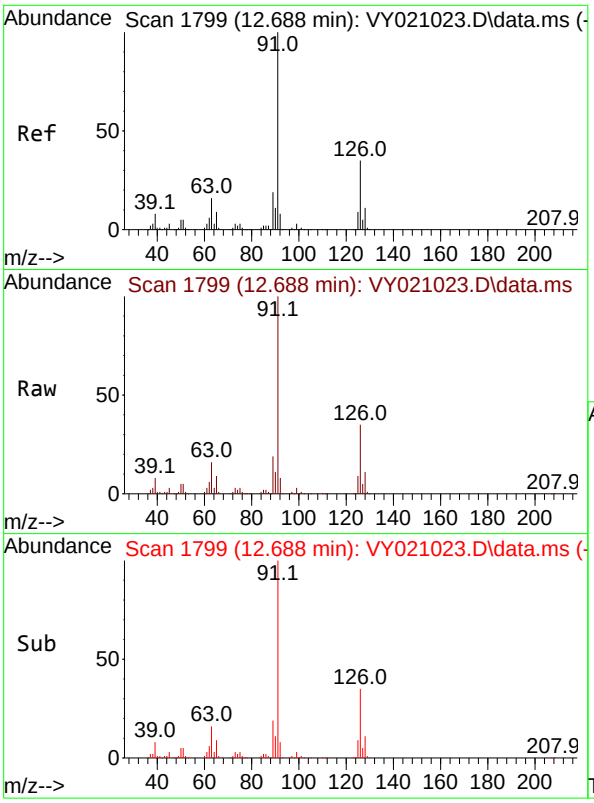


#78
n-propylbenzene
Concen: 55.653 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 554600

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.4

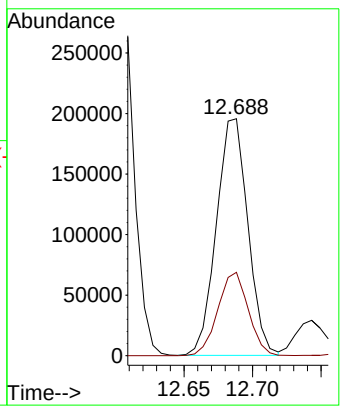




#79
2-Chlorotoluene
Concen: 55.113 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 31291

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	51.9



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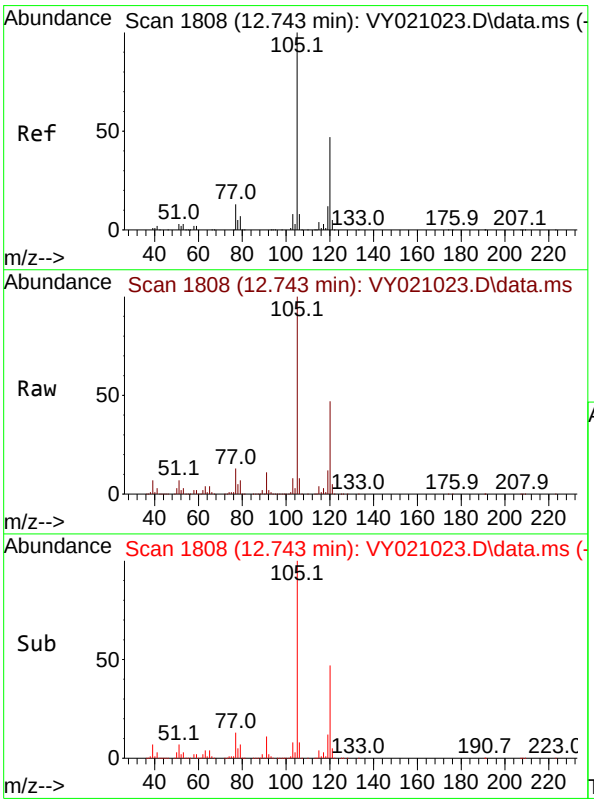
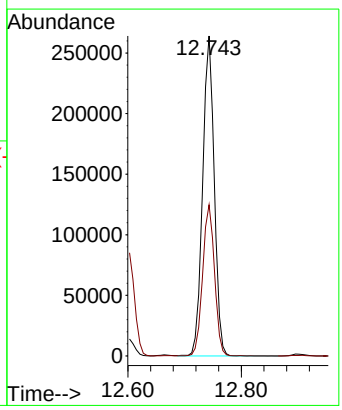
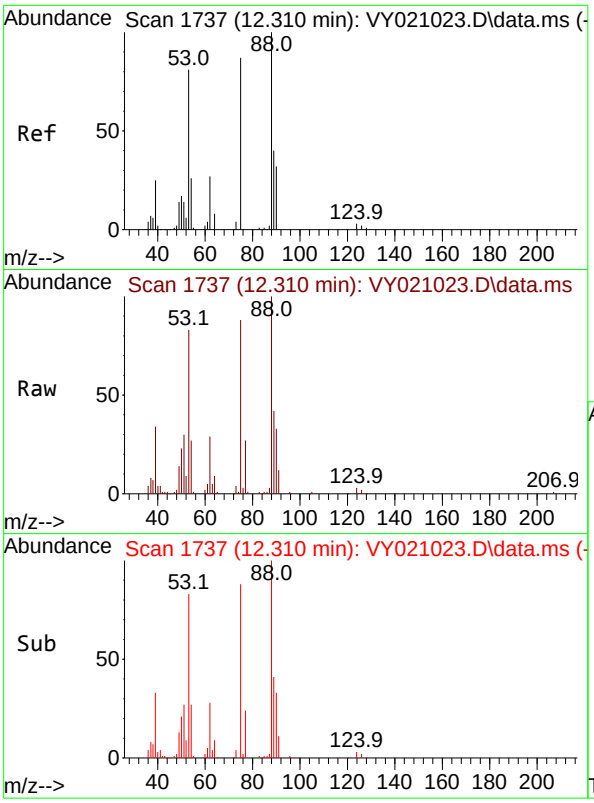


#80
1,3,5-Trimethylbenzene
Concen: 54.032 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 376397

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.9

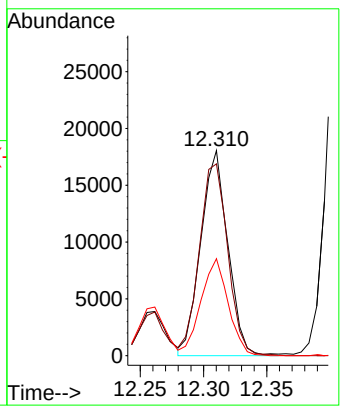




#81
trans-1,4-Dichloro-2-butene
Concen: 58.386 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 2695

Ion	Ratio	Lower	Upper
75	100		
53	97.9	68.6	103.0
89	47.7	38.1	57.1



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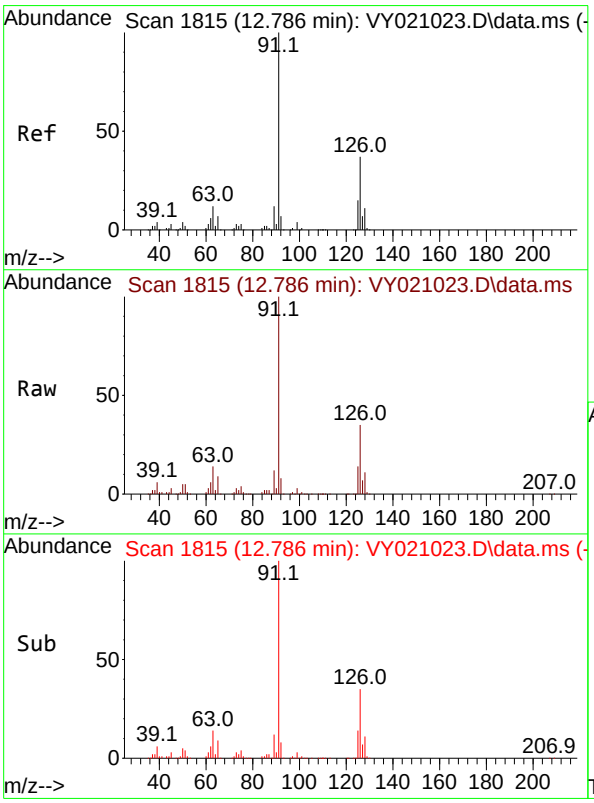
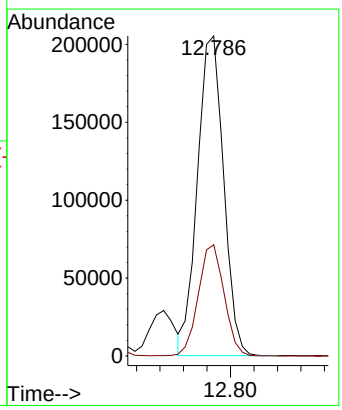
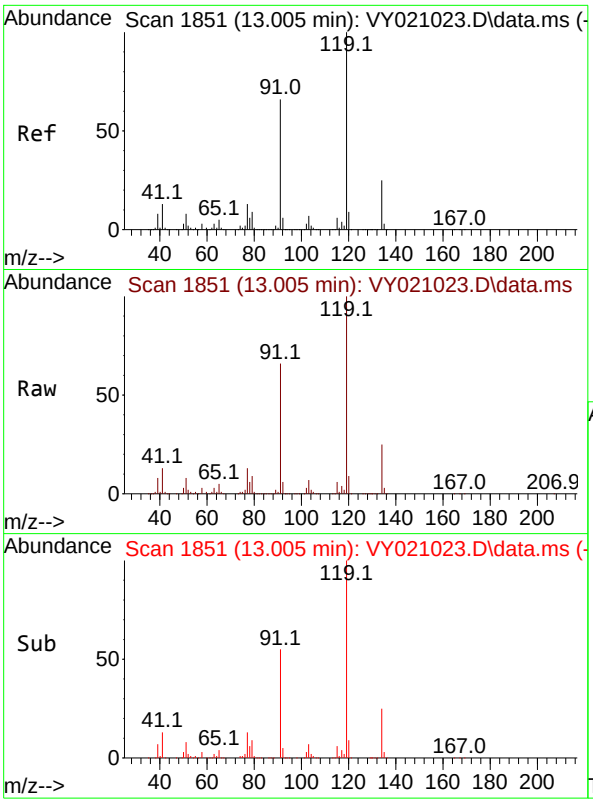


#82
4-Chlorotoluene
Concen: 54.527 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 316855

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0

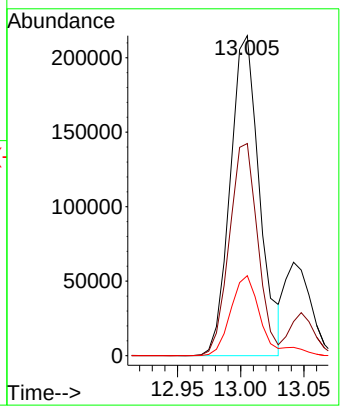




#83
tert-Butylbenzene
Concen: 53.757 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 34731

Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.4	94.0
134	26.1	13.1	39.1



Instrument :
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ClientSampleId :
VSTDICCC050

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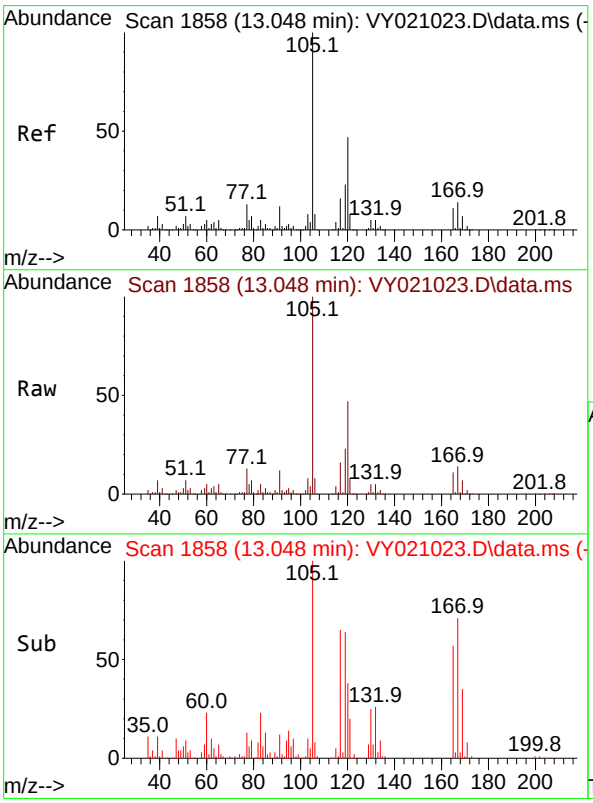
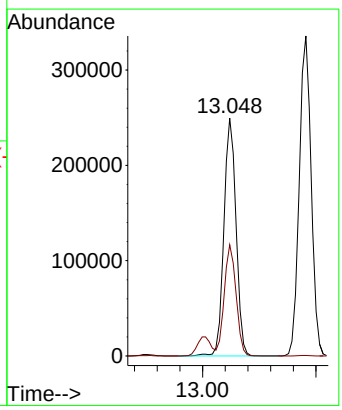
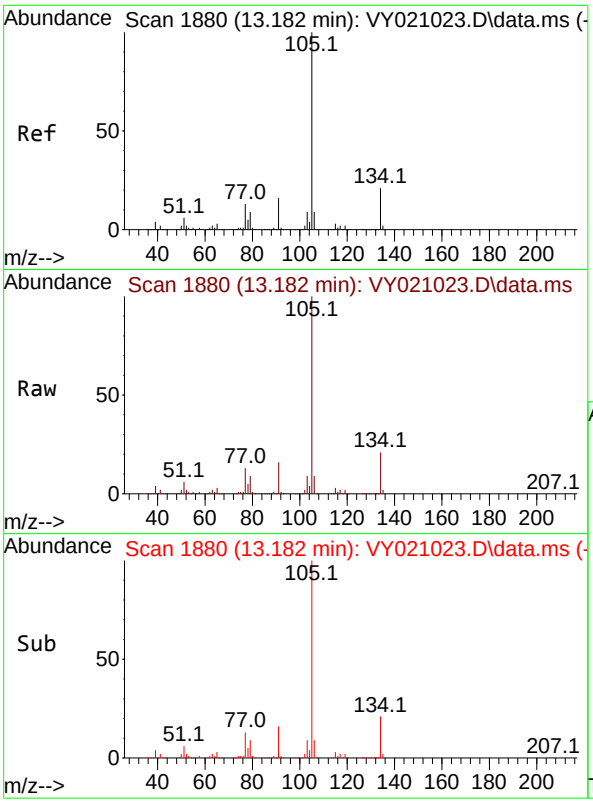


#84
1,2,4-Trimethylbenzene
Concen: 54.433 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 370408

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.0

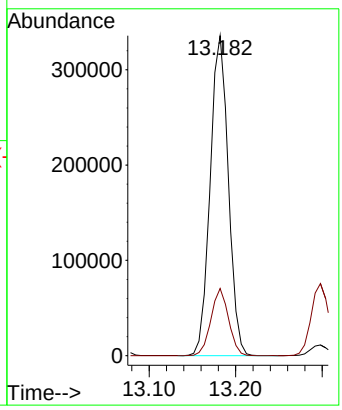




#85
sec-Butylbenzene
Concen: 53.440 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 48882

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8



Instrument :
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ClientSampleId :
VSTDICCC050

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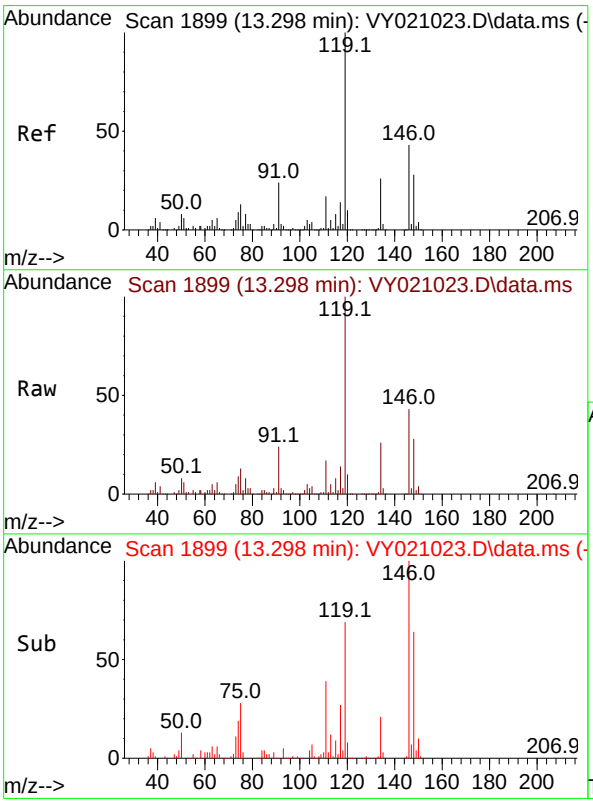
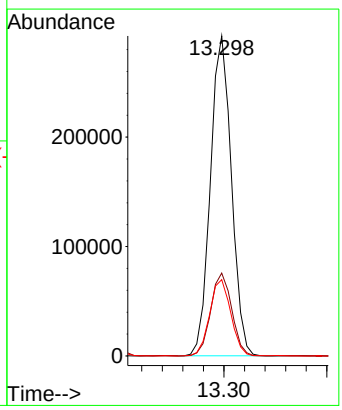
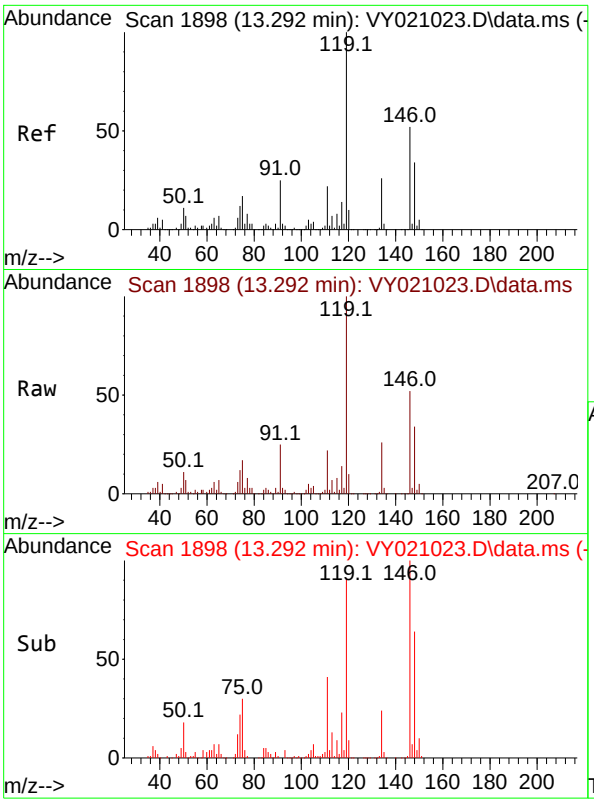


#86
p-Isopropyltoluene
Concen: 53.878 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 414156

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.1	11.5	34.5

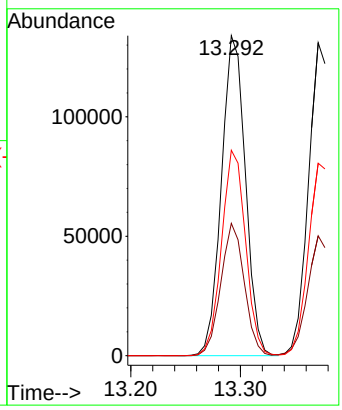




#87
1,3-Dichlorobenzene
Concen: 51.839 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 20376

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	64.2	32.1	96.3



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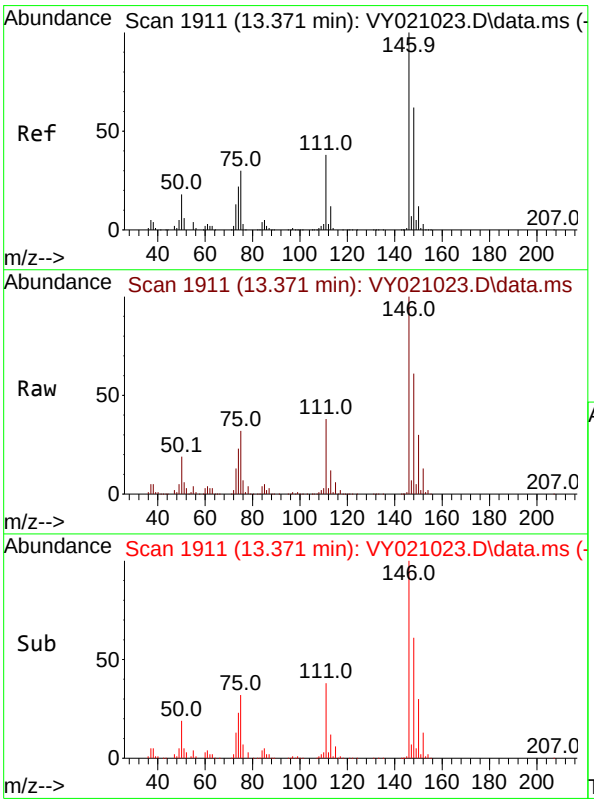
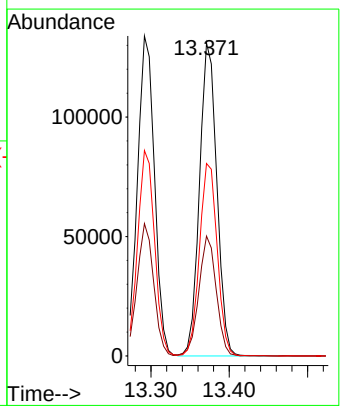
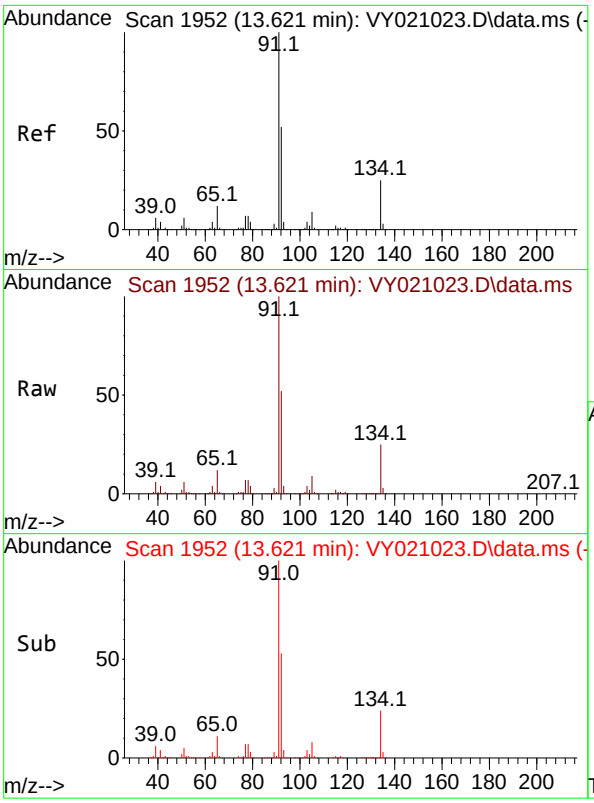


#88
1,4-Dichlorobenzene
Concen: 51.631 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 201529

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	63.1	31.6	95.0





#89
n-Butylbenzene
Concen: 55.439 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 38170

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.1
134	26.1	13.7	41.1

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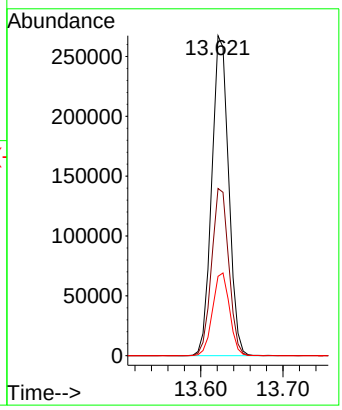
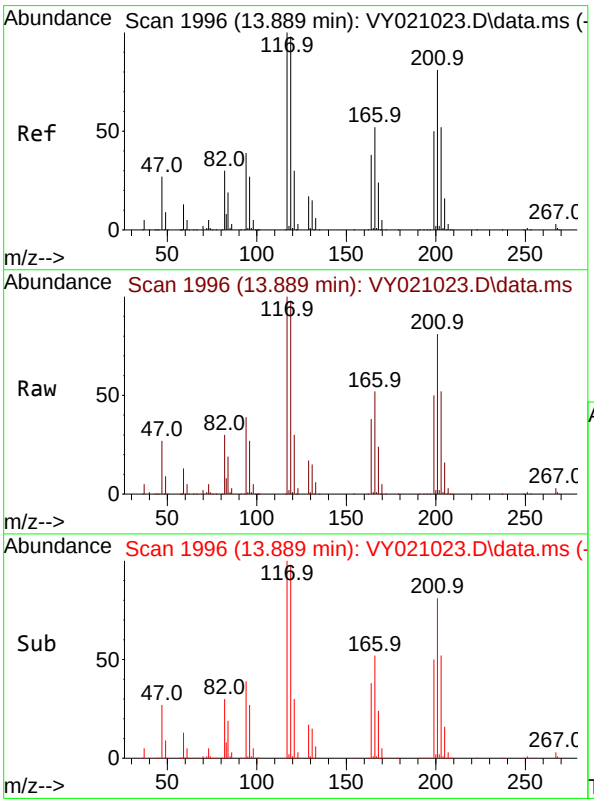
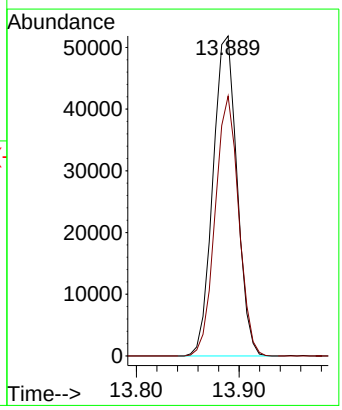


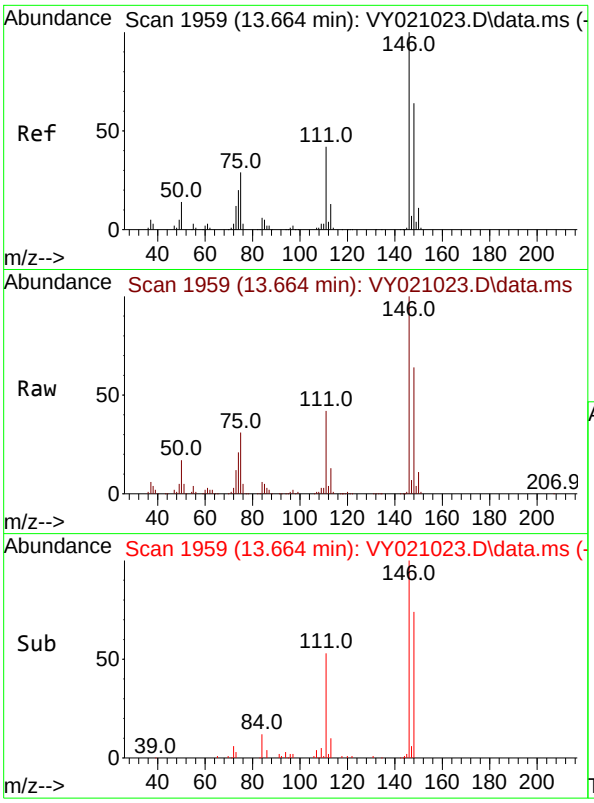


#90
Hexachloroethane
Concen: 54.167 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 84237

Ion	Ratio	Lower	Upper
117	100		
201	79.2	42.5	127.5

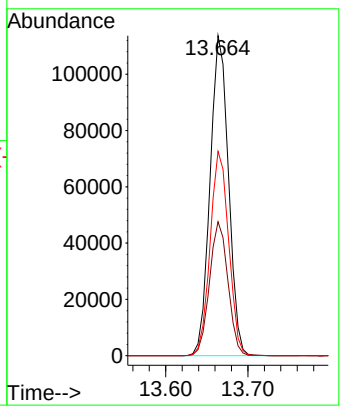




#91
1,2-Dichlorobenzene
Concen: 51.554 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 17671

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	60.8
148	64.4	32.2	96.6



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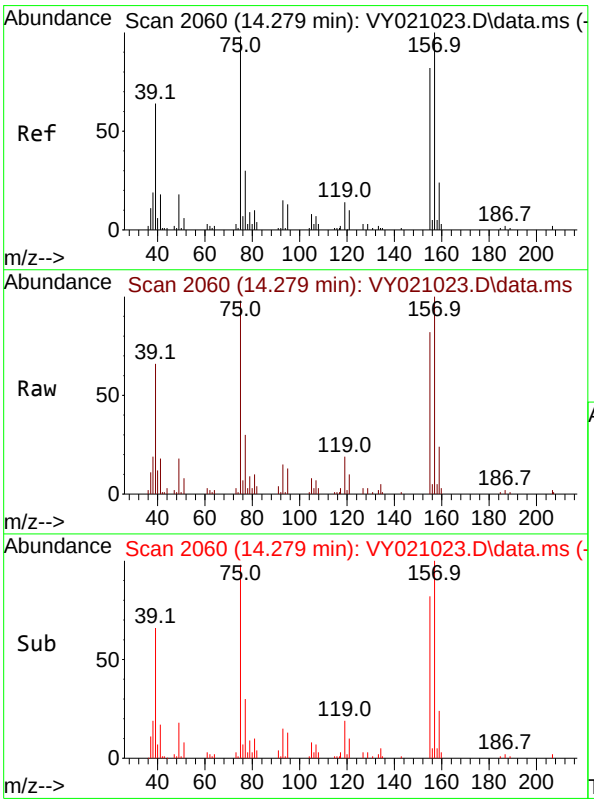
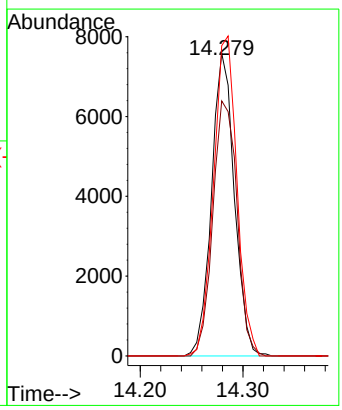
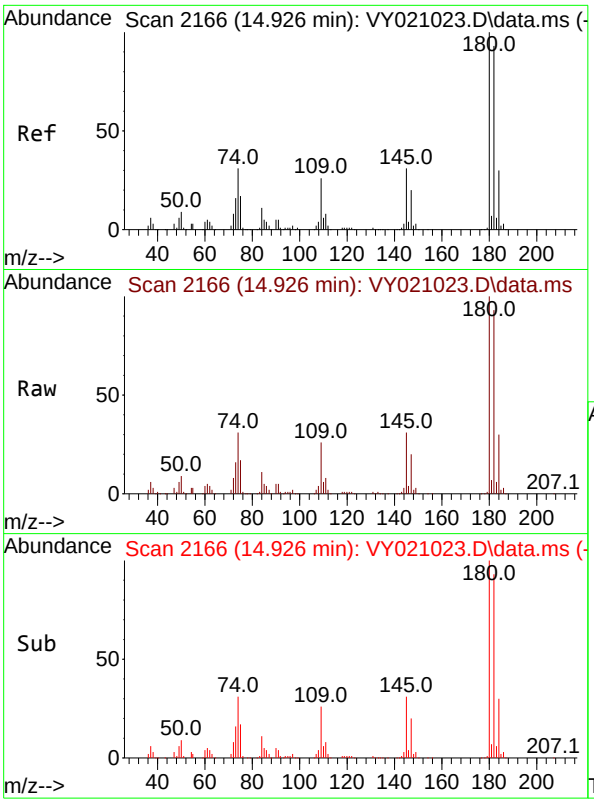


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.445 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 11716

Ion	Ratio	Lower	Upper
75	100		
155	88.6	45.9	137.6
157	107.6	59.3	177.9

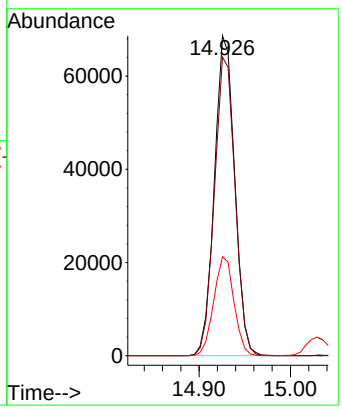




#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 10593

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.8
145	30.8	15.3	45.8



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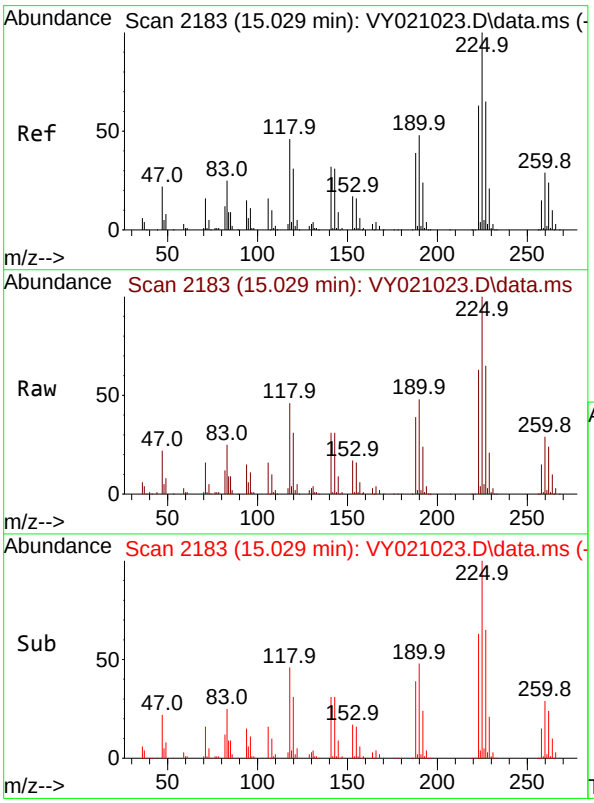
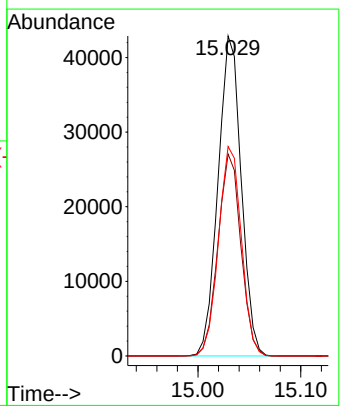
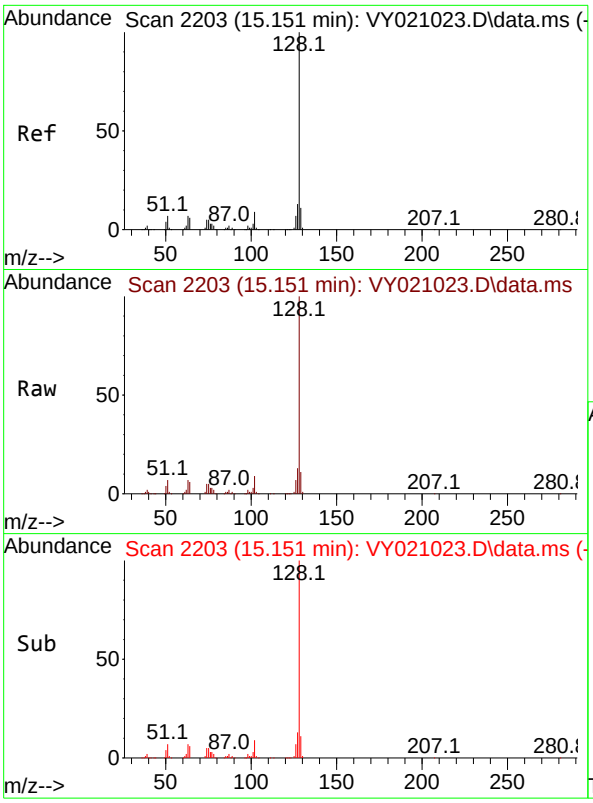


#94
Hexachlorobutadiene
Concen: 46.155 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:225 Resp: 67092

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	64.6	31.8	95.3

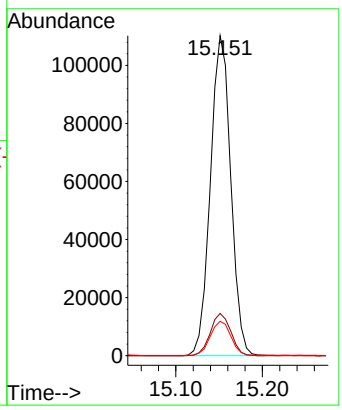




#95
Naphthalene
Concen: 53.412 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:128 Resp: 18016

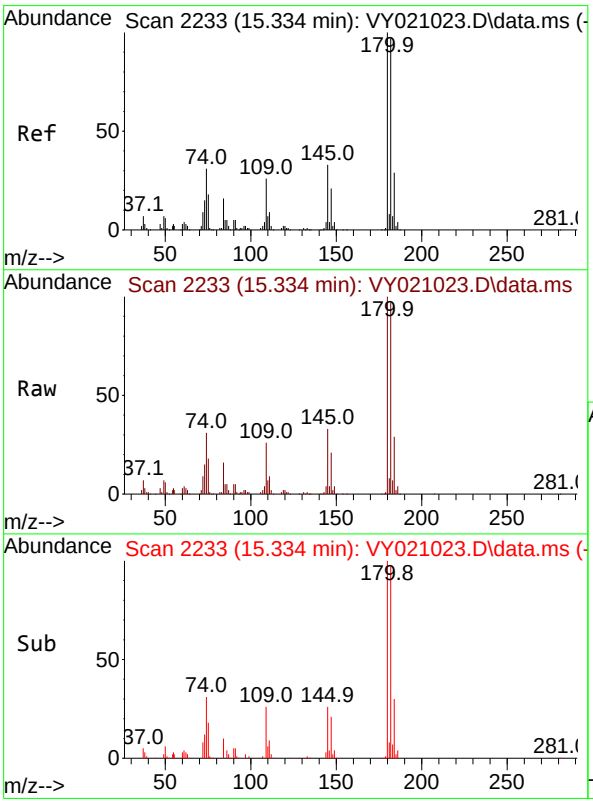
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

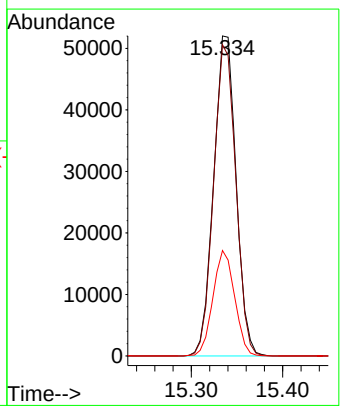
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.991 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 88730

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.7	143.1
145	31.9	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	190137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	289157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	115163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	172797	106.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 213.480%#			
35) Dibromofluoromethane	7.646	113	171851	98.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.720%#			
50) Toluene-d8	10.115	98	669691	98.702	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.400%#			
62) 4-Bromofluorobenzene	12.414	95	216644	95.157	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 190.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	159301	98.533	ug/l	100
3) Chloromethane	2.074	50	153706	149.541	ug/l	98
4) Vinyl Chloride	2.214	62	155011	146.266	ug/l	99
5) Bromomethane	2.604	94	93622	130.495	ug/l	96
6) Chloroethane	2.745	64	91012	147.011	ug/l	99
7) Trichlorofluoromethane	3.068	101	282462	110.443	ug/l	99
8) Diethyl Ether	3.464	74	87561	114.680	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.830	101	177279	102.939	ug/l	95
10) Methyl Iodide	4.019	142	218905	111.078	ug/l	99
11) Tert butyl alcohol	4.872	59	53461	452.085	ug/l	99
12) 1,1-Dichloroethene	3.799	96	171787	106.739	ug/l	88
13) Acrolein	3.659	56	89546	657.572	ug/l	99
14) Allyl chloride	4.397	41	294317	132.835	ug/l	92
15) Acrylonitrile	5.067	53	179975	573.057	ug/l	99
16) Acetone	3.879	43	133780	606.320	ug/l	90
17) Carbon Disulfide	4.116	76	540251	108.991	ug/l	100
18) Methyl Acetate	4.397	43	96229	124.639	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	427571	114.141	ug/l	99
20) Methylene Chloride	4.628	84	171778	105.558	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	186520	108.095	ug/l	93
22) Diisopropyl ether	6.031	45	598063	132.422	ug/l	97
23) Vinyl Acetate	5.970	43	1653156	660.973	ug/l	95
24) 1,1-Dichloroethane	5.933	63	346367	118.878	ug/l	98
25) 2-Butanone	6.902	43	229517	613.177	ug/l	92
26) 2,2-Dichloropropane	6.896	77	311254	108.502	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	218816	110.326	ug/l	94
28) Bromochloromethane	7.256	49	142156	130.955	ug/l	83
29) Tetrahydrofuran	7.274	42	153104	607.855	ug/l	92
30) Chloroform	7.433	83	350416	111.040	ug/l	99
31) Cyclohexane	7.713	56	296243	104.021	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	328296	107.493	ug/l	97
36) 1,1-Dichloropropene	7.847	75	258833	104.370	ug/l	97
37) Ethyl Acetate	6.994	43	108807	117.685	ug/l	97
38) Carbon Tetrachloride	7.829	117	302001	98.406	ug/l	98
39) Methylcyclohexane	9.115	83	329865	99.014	ug/l	94
40) Benzene	8.091	78	765340	104.883	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	51586	100.841	ug/l		90
42) 1,2-Dichloroethane	8.164	62	203840	110.147	ug/l		98
43) Isopropyl Acetate	8.207	43	224883	121.752	ug/l	#	86
44) Trichloroethene	8.872	130	195403	97.046	ug/l		94
45) 1,2-Dichloropropane	9.152	63	179965	110.034	ug/l		99
46) Dibromomethane	9.237	93	95968	100.827	ug/l		95
47) Bromodichloromethane	9.432	83	265518	106.226	ug/l		98
48) Methyl methacrylate	9.225	41	107661	122.427	ug/l		90
49) 1,4-Dioxane	9.237	88	18378	1817.108	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.006	43	562082	592.226	ug/l		94
52) Toluene	10.176	92	488296	103.090	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	246769	109.097	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	289643	107.141	ug/l	#	91
55) 1,1,2-Trichloroethane	10.579	97	125626	99.248	ug/l		100
56) Ethyl methacrylate	10.445	69	184212	111.337	ug/l		88
57) 1,3-Dichloropropane	10.725	76	220204	102.639	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	421206	599.795	ug/l		95
59) 2-Hexanone	10.768	43	373249	605.028	ug/l		92
60) Dibromochloromethane	10.920	129	179036	99.202	ug/l		99
61) 1,2-Dibromoethane	11.024	107	117576	97.250	ug/l		98
64) Tetrachloroethene	10.652	164	174223	93.066	ug/l		97
65) Chlorobenzene	11.450	112	519942	99.441	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	185418	99.917	ug/l		99
67) Ethyl Benzene	11.524	91	950017	104.939	ug/l		98
68) m/p-Xylenes	11.639	106	705393	202.801	ug/l		97
69) o-Xylene	11.963	106	332346	102.783	ug/l		97
70) Styrene	11.975	104	559633	104.245	ug/l		98
71) Bromoform	12.139	173	101615	92.910	ug/l	#	99
73) Isopropylbenzene	12.261	105	891697	110.247	ug/l		100
74) N-amyl acetate	12.078	43	196809	133.629	ug/l		91
75) 1,1,2,2-Tetrachloroethane	12.517	83	137599	105.393	ug/l		100
76) 1,2,3-Trichloropropane	12.566	75	87097m	95.537	ug/l		
77) Bromobenzene	12.542	156	198715	103.627	ug/l		93
78) n-propylbenzene	12.603	91	1057216	111.529	ug/l		98
79) 2-Chlorotoluene	12.688	91	592096	109.632	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	713935	107.741	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	47846	108.944	ug/l		92
82) 4-Chlorotoluene	12.786	91	597047	108.014	ug/l		99
83) tert-Butylbenzene	13.005	119	638740	103.933	ug/l		96
84) 1,2,4-Trimethylbenzene	13.054	105	701716	108.409	ug/l		100
85) sec-Butylbenzene	13.182	105	931799	107.093	ug/l		100
86) p-Isopropyltoluene	13.304	119	778814	106.512	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	380481	101.760	ug/l		100
88) 1,4-Dichlorobenzene	13.377	146	368361	99.212	ug/l		99
89) n-Butylbenzene	13.627	91	720257	109.974	ug/l		98
90) Hexachloroethane	13.889	117	160918	108.782	ug/l		94
91) 1,2-Dichlorobenzene	13.670	146	323508	99.218	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	20553	102.253	ug/l		93
93) 1,2,4-Trichlorobenzene	14.932	180	201024	100.693	ug/l		100
94) Hexachlorobutadiene	15.035	225	124879	90.315	ug/l		100
95) Naphthalene	15.157	128	331641	103.361	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	167187	99.024	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

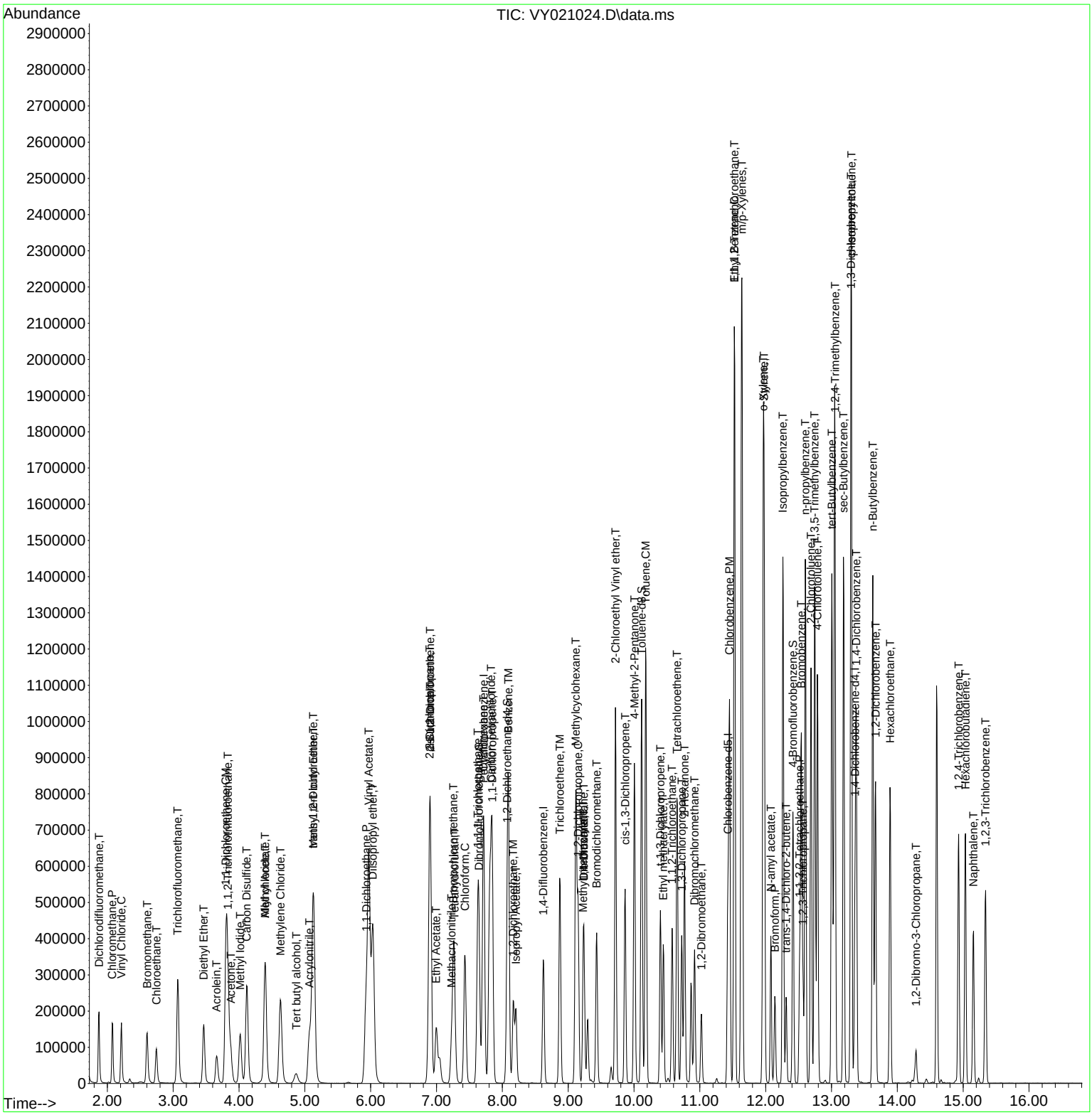
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

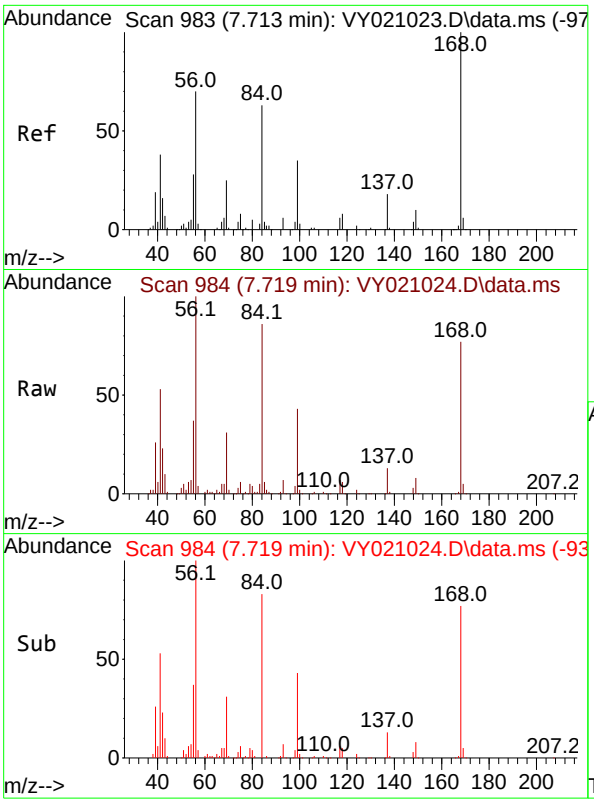
Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

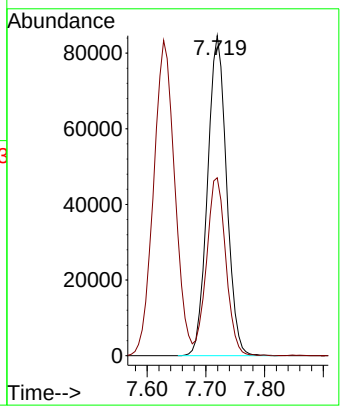




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:168 Resp: 19013

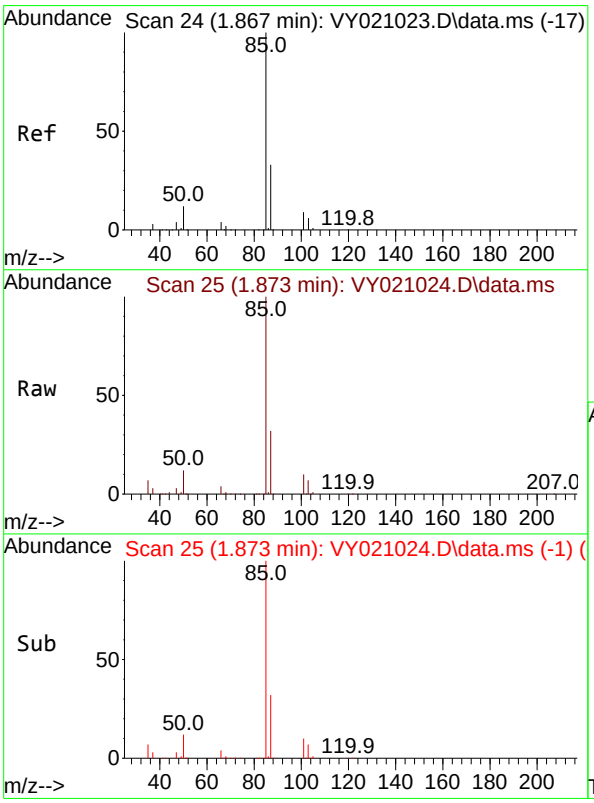
Ion	Ratio	Lower	Upper
168	100		
99	55.5	42.2	63.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

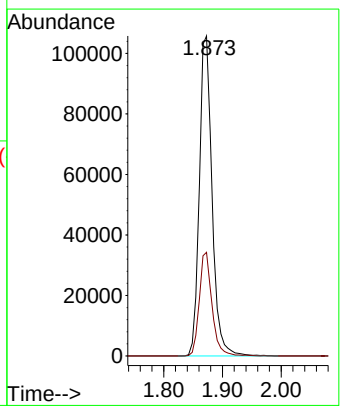
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

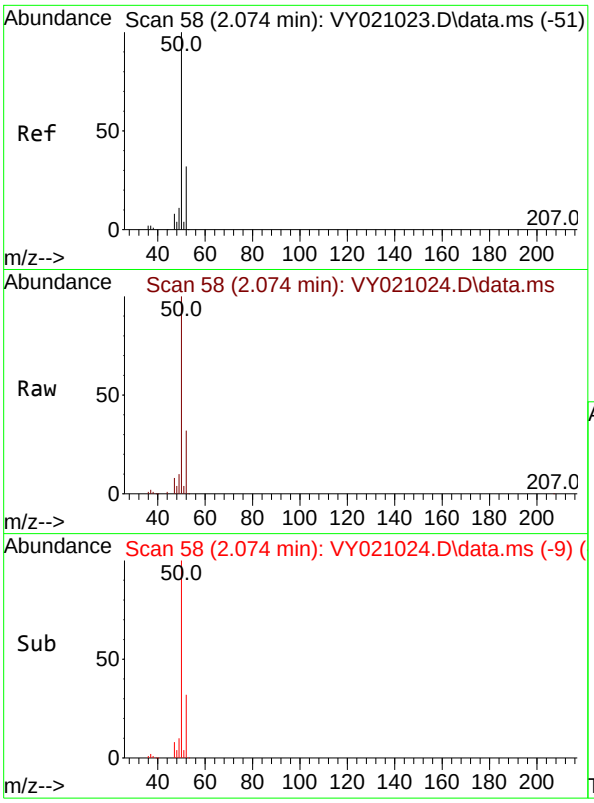


#2
Dichlorodifluoromethane
Concen: 98.533 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 85 Resp: 159301

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.3	48.9

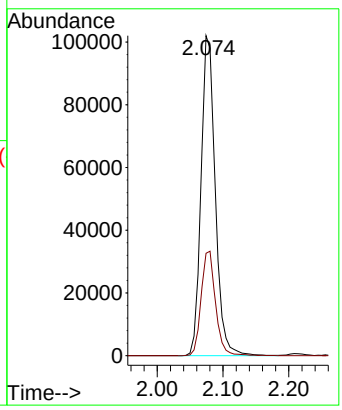




#3
Chloromethane
Concen: 149.541 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 50 Resp: 15370

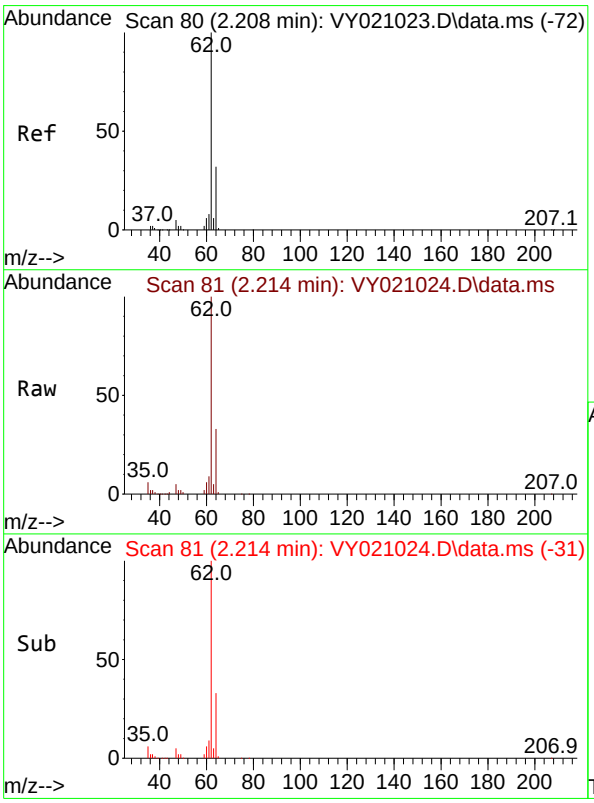
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

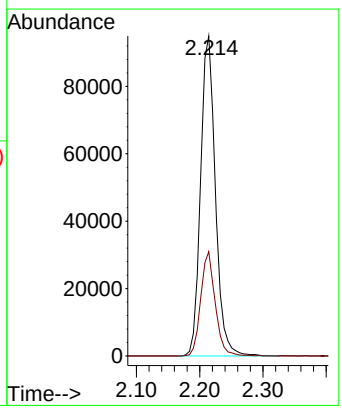
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

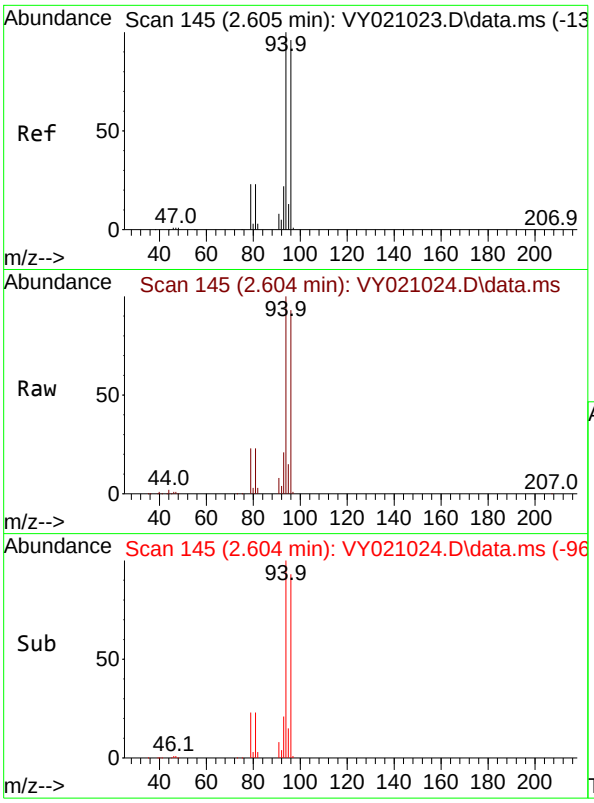


#4
Vinyl Chloride
Concen: 146.266 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 155011

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.4	38.2





#5
Bromomethane
Concen: 130.495 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

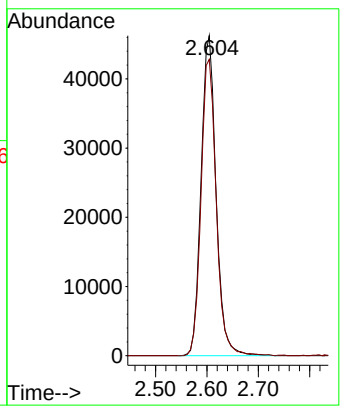
Tgt Ion: 94 Resp: 9362

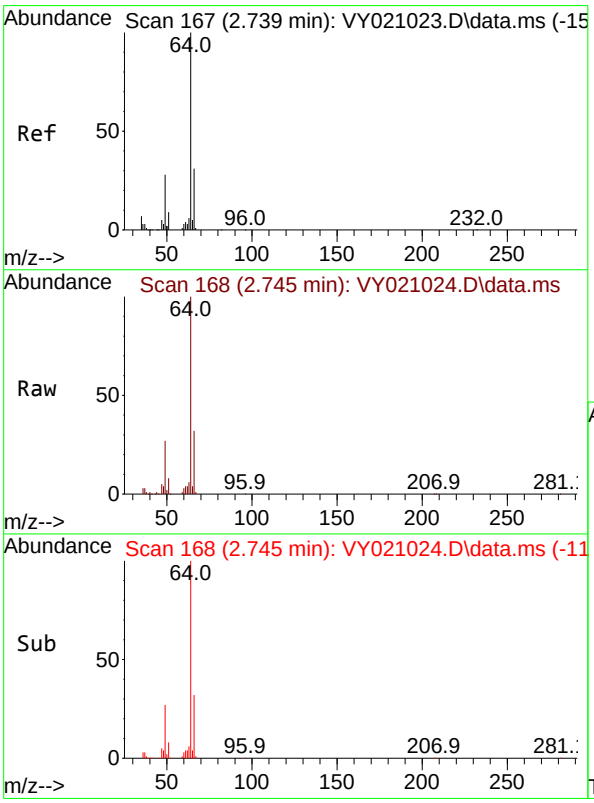
Ion	Ratio	Lower	Upper
94	100		
96	92.6	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

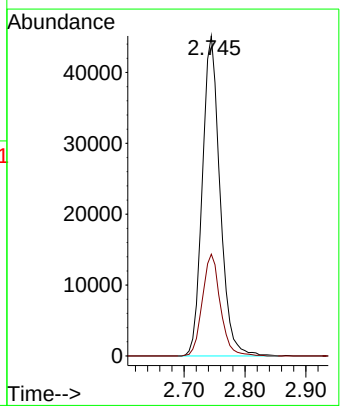


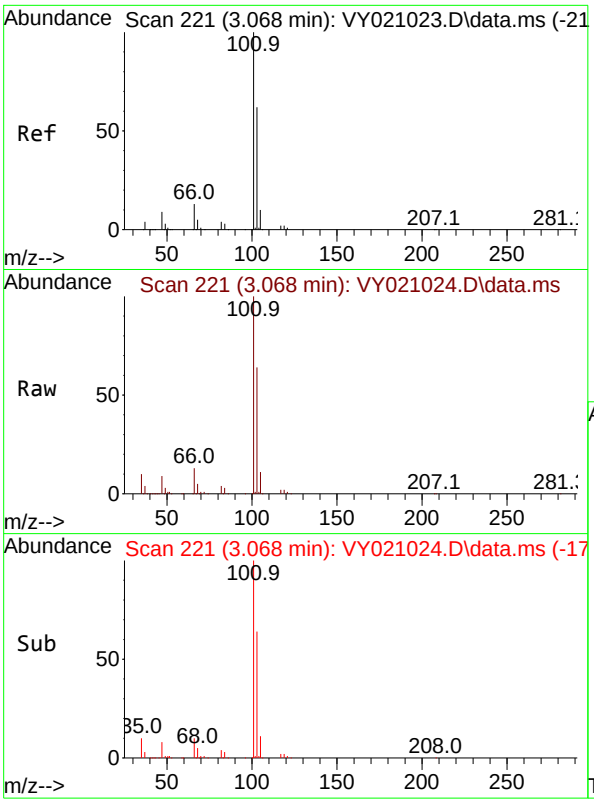


#6
Chloroethane
Concen: 147.011 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 64 Resp: 91012

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.0	37.4

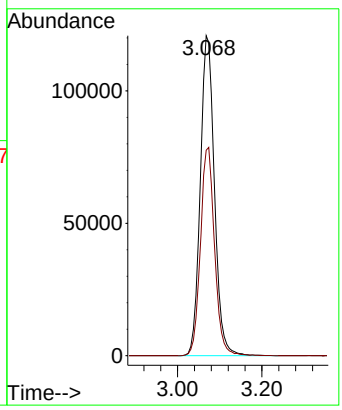




#7
Trichlorofluoromethane
Concen: 110.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:101 Resp: 28246

Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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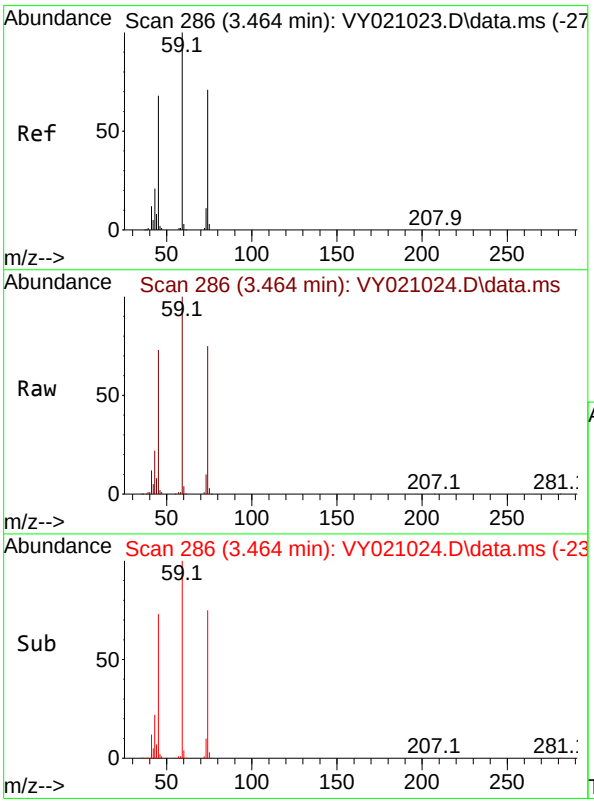
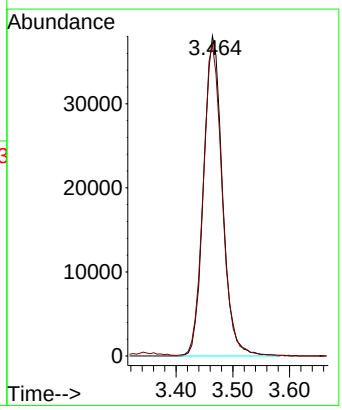
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

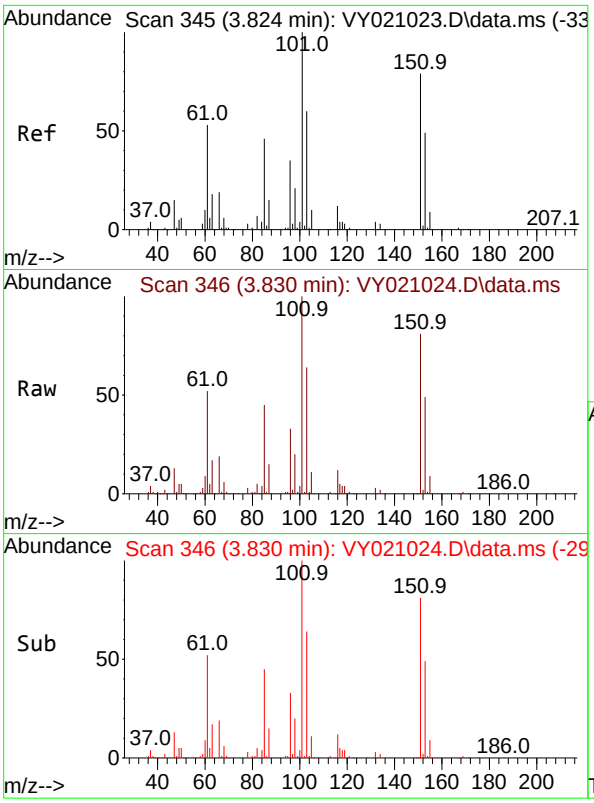


#8
Diethyl Ether
Concen: 114.680 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 74 Resp: 87561

Ion	Ratio	Lower	Upper
74	100		
45	98.9	43.4	130.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.939 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:101 Resp: 17727

Ion	Ratio	Lower	Upper
101	100		
85	45.9	34.9	52.3
151	78.9	66.8	100.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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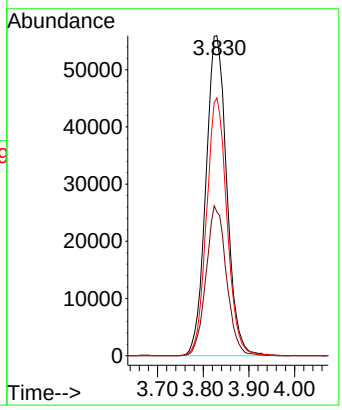
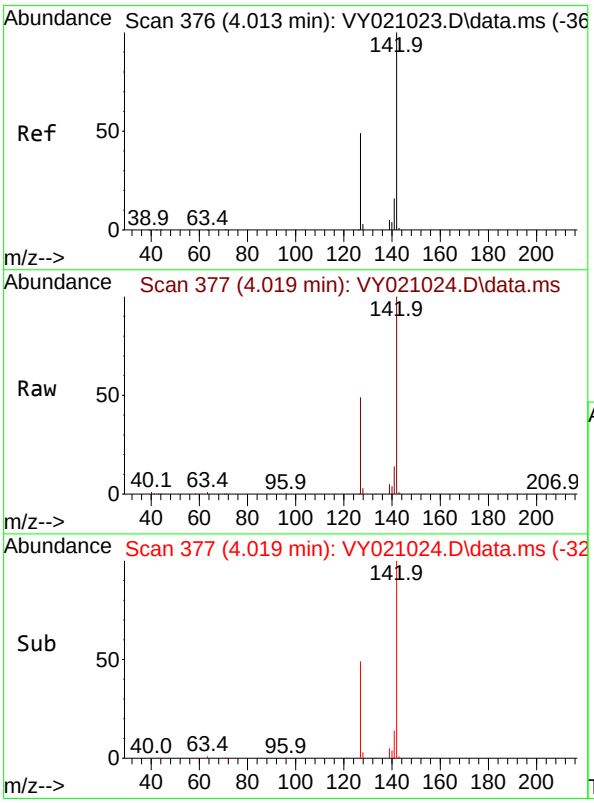
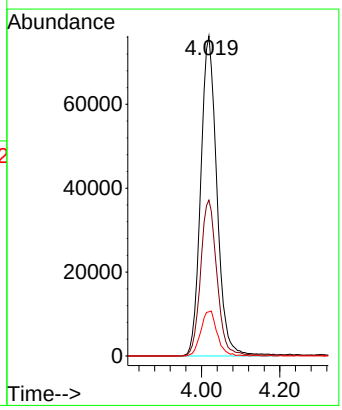


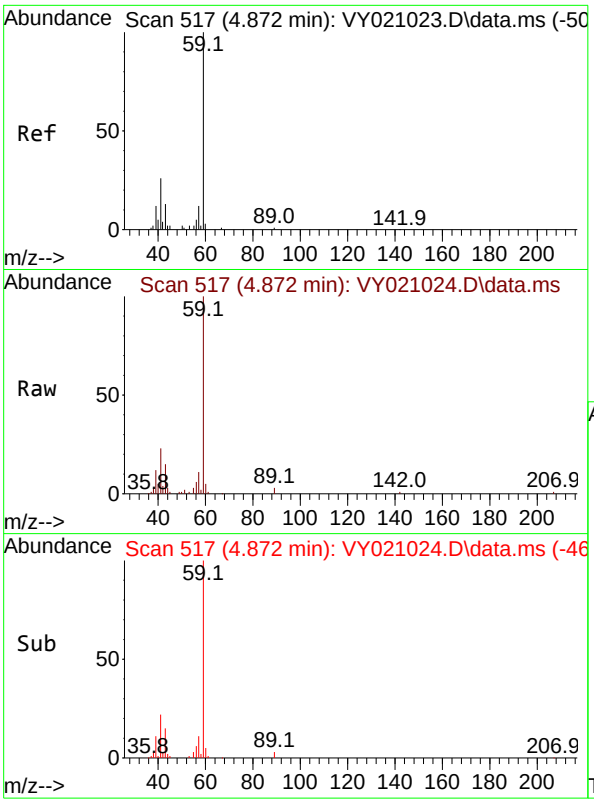


#10
Methyl Iodide
Concen: 111.078 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:142 Resp: 218905

Ion	Ratio	Lower	Upper
142	100		
127	49.2	38.9	58.3
141	14.2	11.7	17.5

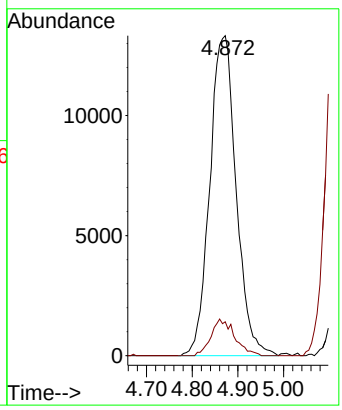




#11
Tert butyl alcohol
Concen: 452.085 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 59 Resp: 5346

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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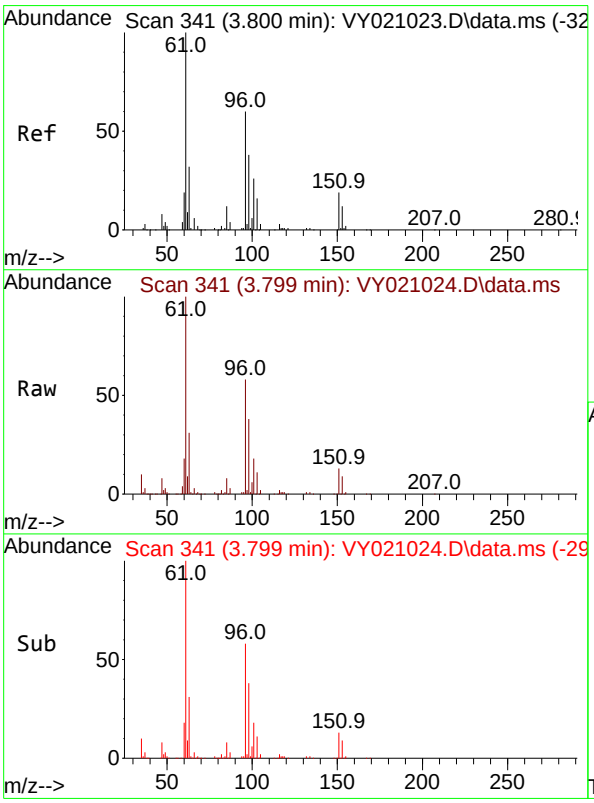
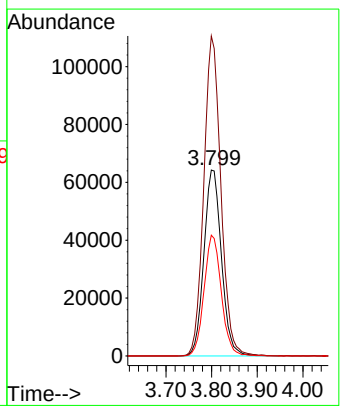
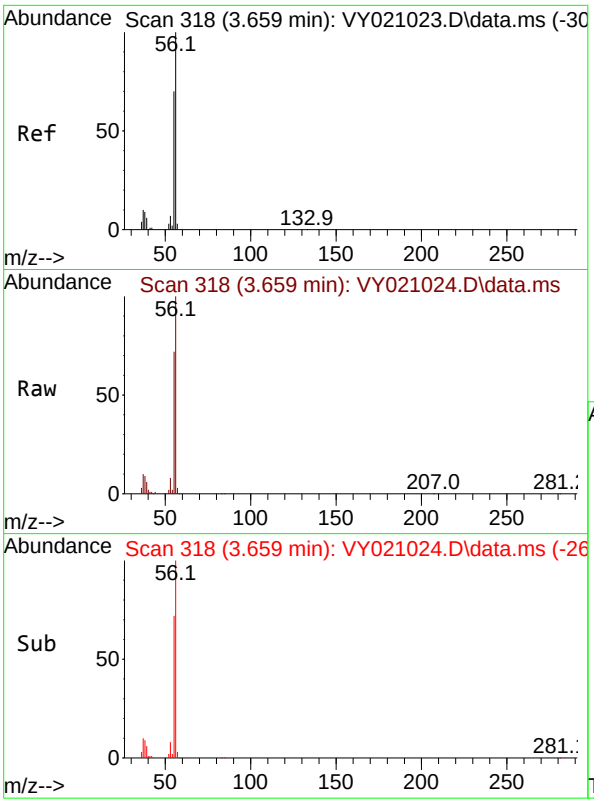


#12
1,1-Dichloroethene
Concen: 106.739 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 171787

Ion	Ratio	Lower	Upper
96	100		
61	172.1	120.8	181.2
98	64.9	50.6	76.0

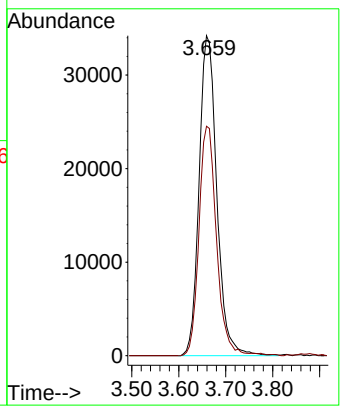




#13
Acrolein
Concen: 657.572 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 56 Resp: 8954

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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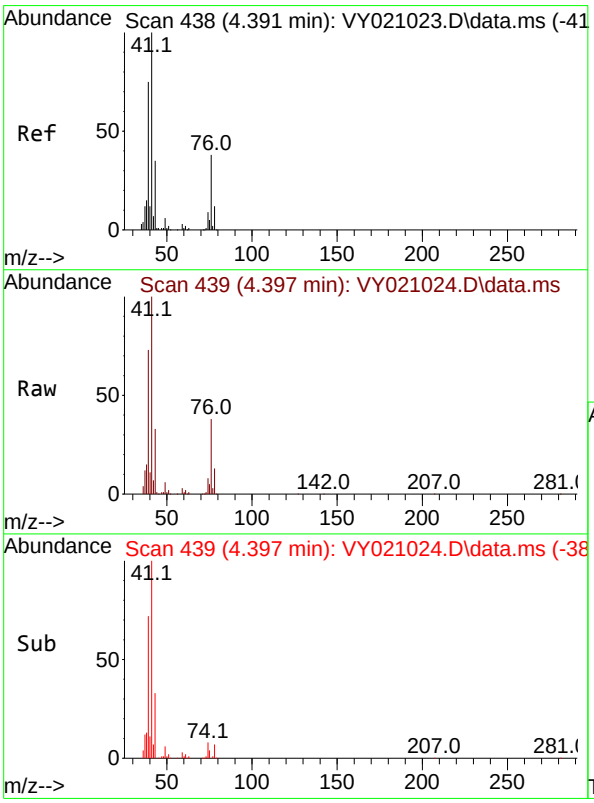
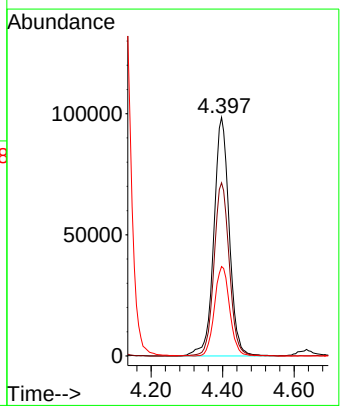
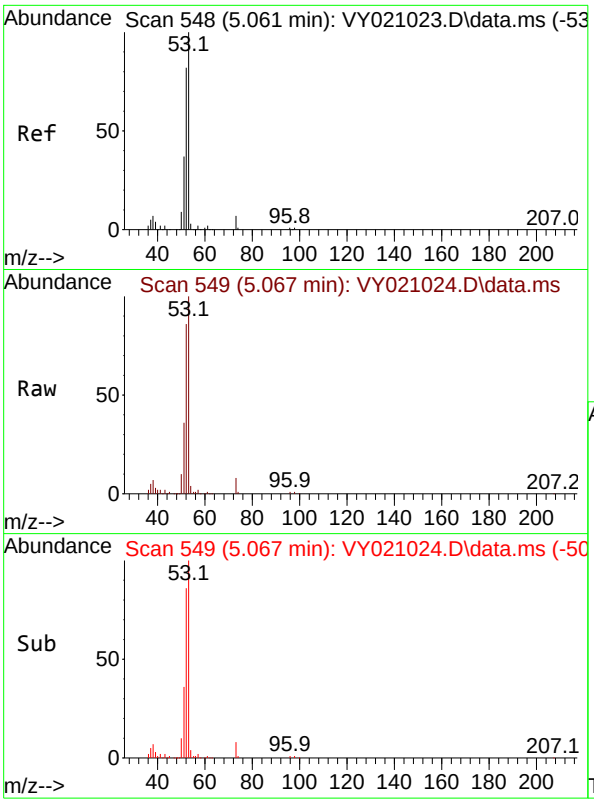


#14
Allyl chloride
Concen: 132.835 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 294317

Ion	Ratio	Lower	Upper
41	100		
39	72.0	53.5	80.3
76	37.1	34.6	52.0

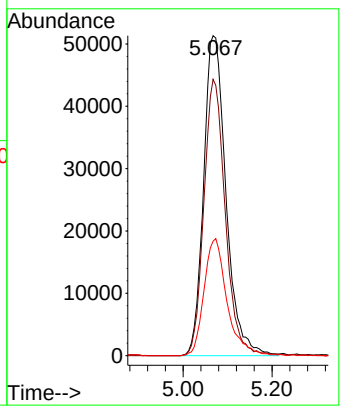




#15
Acrylonitrile
Concen: 573.057 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 53 Resp: 17997

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	37.6	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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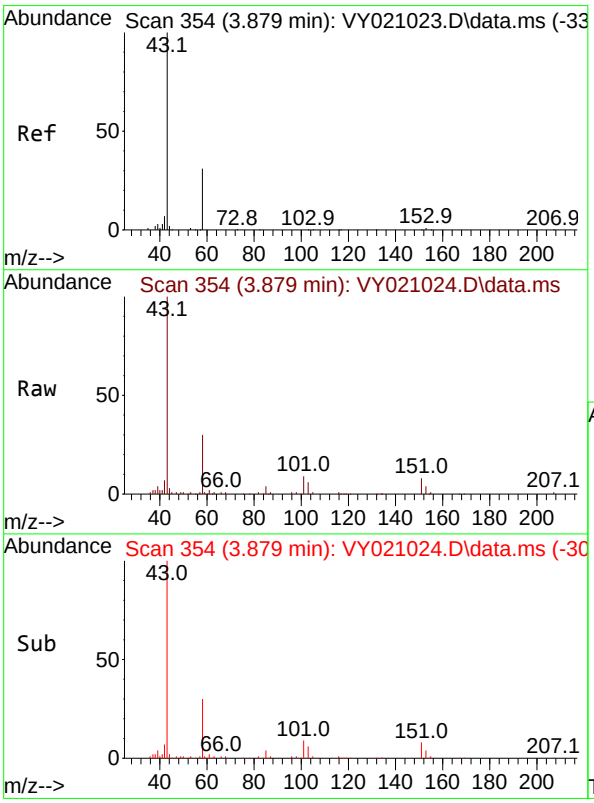
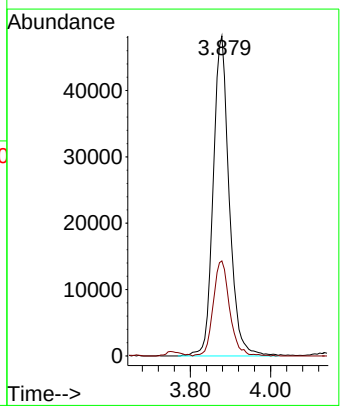
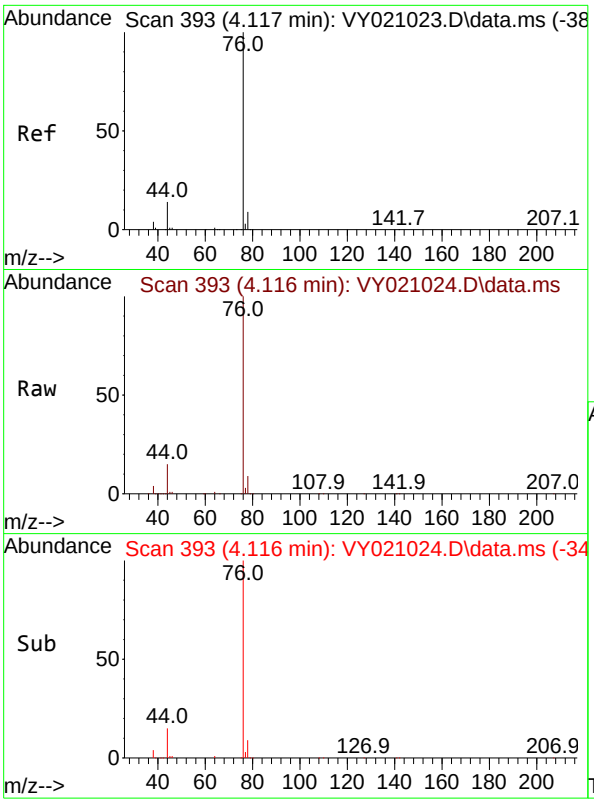


#16
Acetone
Concen: 606.320 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 133780

Ion	Ratio	Lower	Upper
43	100		
58	29.6	28.4	42.6

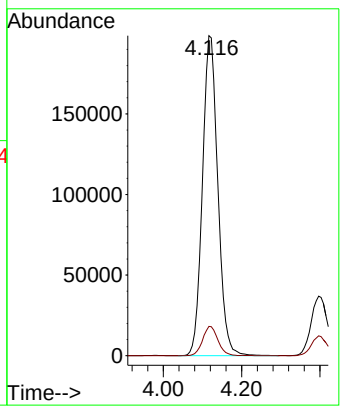




#17
Carbon Disulfide
Concen: 108.991 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 76 Resp: 54025

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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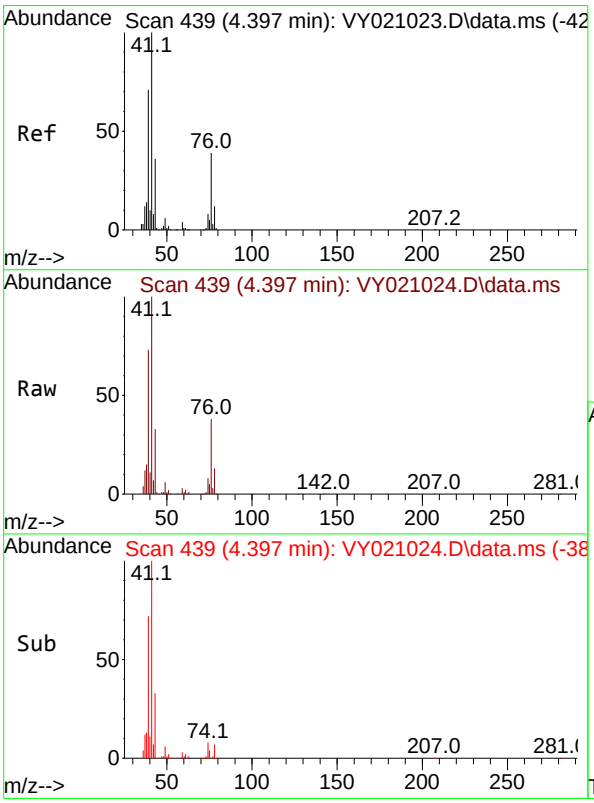
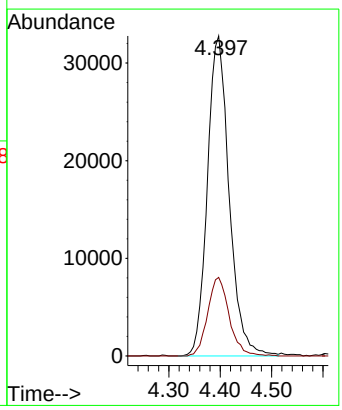
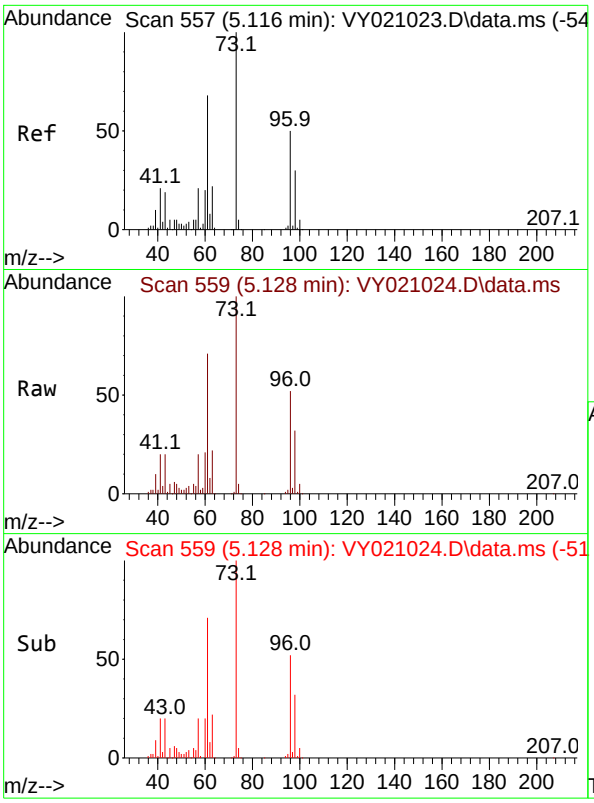


#18
Methyl Acetate
Concen: 124.639 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 96229

Ion	Ratio	Lower	Upper
43	100		
74	24.3	22.2	33.4

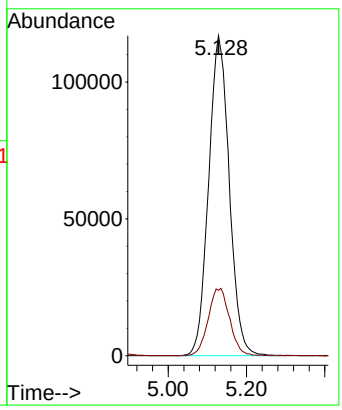




#19
Methyl tert-butyl Ether
Concen: 114.141 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 73 Resp: 42757

Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.6	25.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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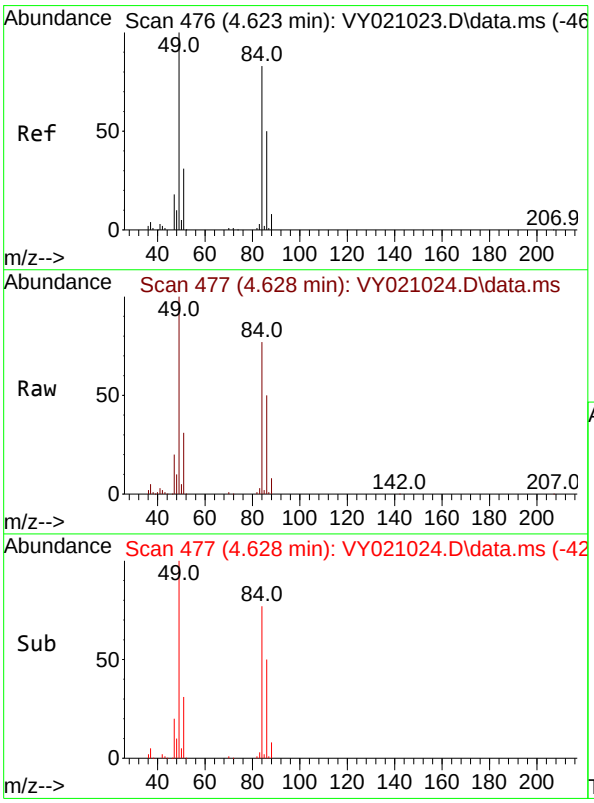
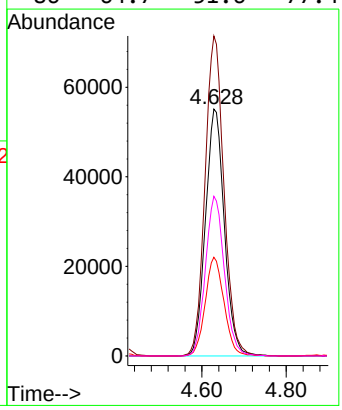
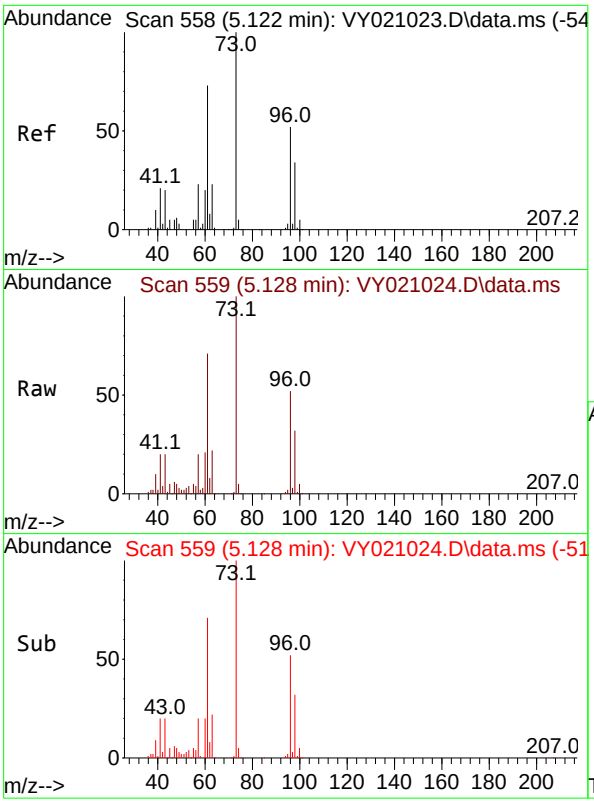


#20
Methylene Chloride
Concen: 105.558 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 84 Resp: 171778

Ion	Ratio	Lower	Upper
84	100		
49	129.6	88.3	132.5
51	40.0	27.7	41.5
86	64.7	51.6	77.4

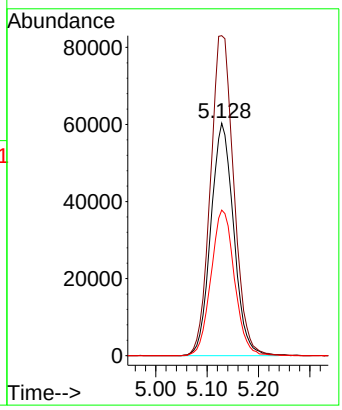




#21
trans-1,2-Dichloroethene
Concen: 108.095 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 18652

Ion	Ratio	Lower	Upper
96	100		
61	137.7	101.5	152.3
98	62.7	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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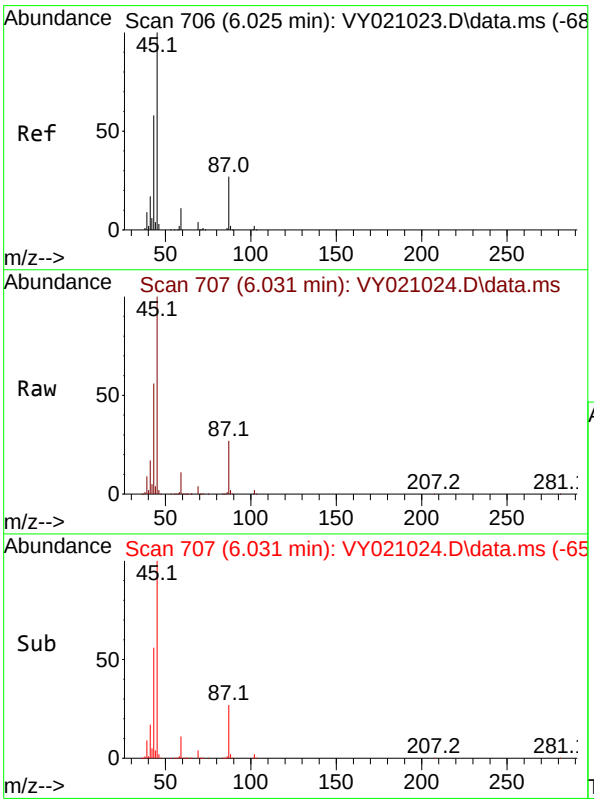
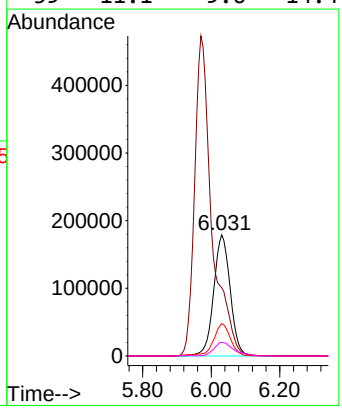
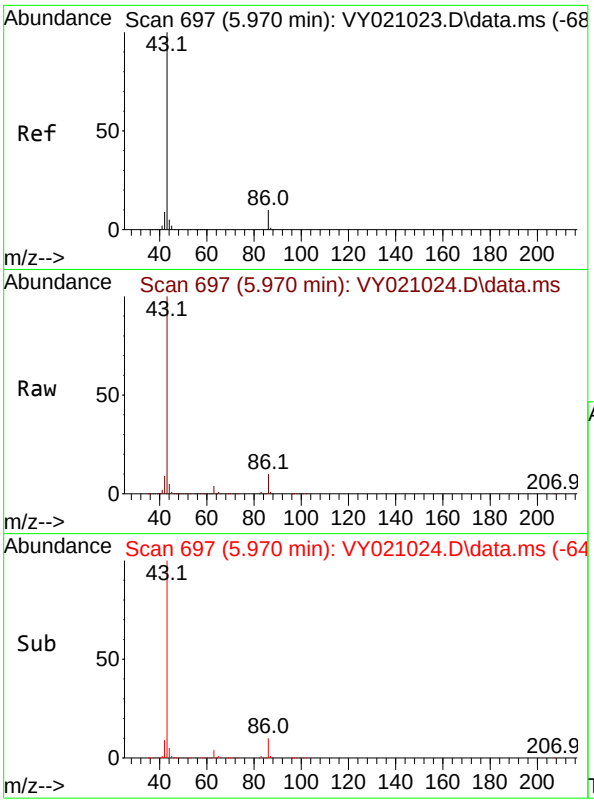


#22
Diisopropyl ether
Concen: 132.422 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 45 Resp: 598063

Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.1	67.7
87	26.7	25.0	37.4
59	11.1	9.6	14.4





#23
Vinyl Acetate
Concen: 660.973 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 165315

Ion	Ratio	Lower	Upper
43	100		
86	10.0	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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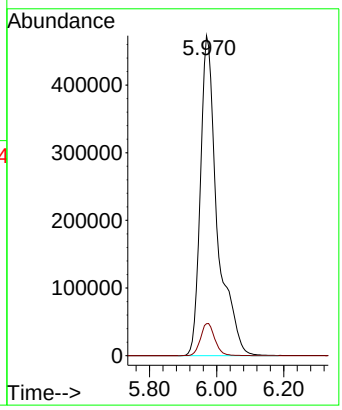
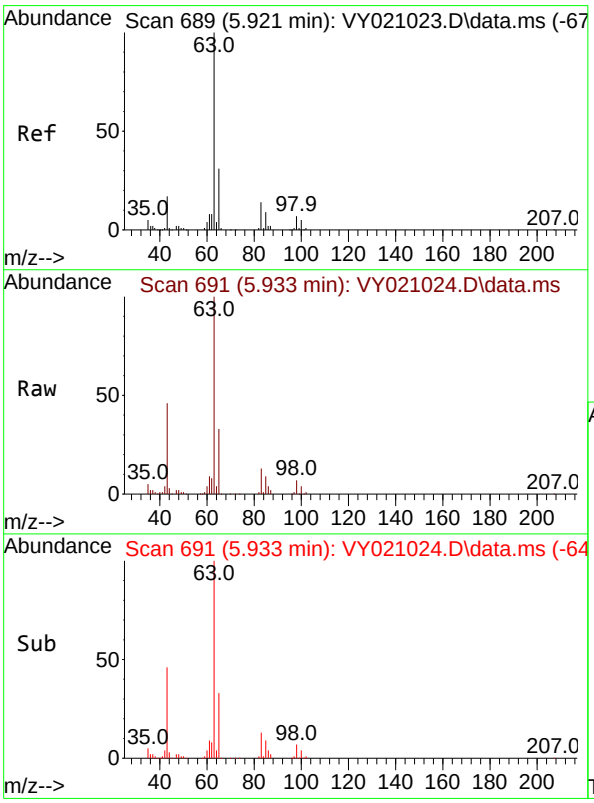
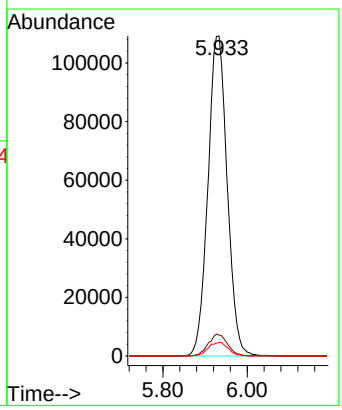


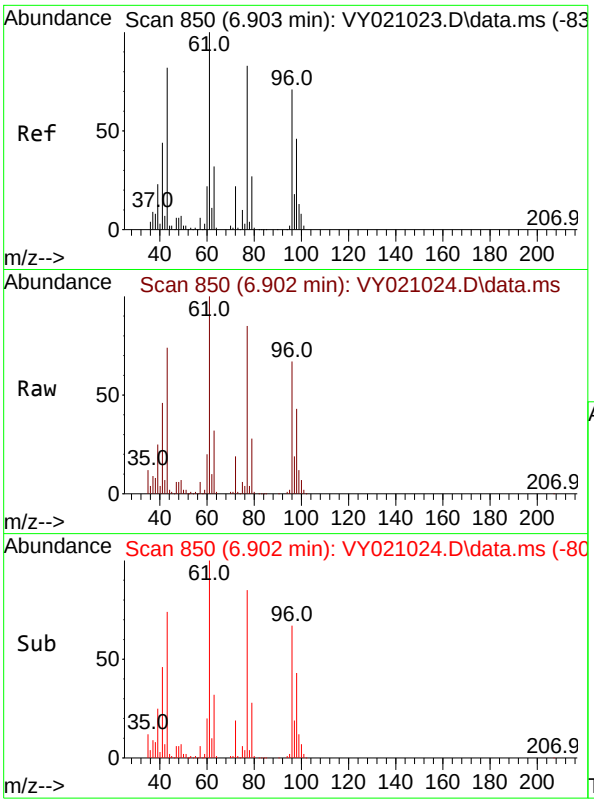


#24
1,1-Dichloroethane
Concen: 118.878 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 346367

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.7	11.1
100	4.1	2.4	7.2

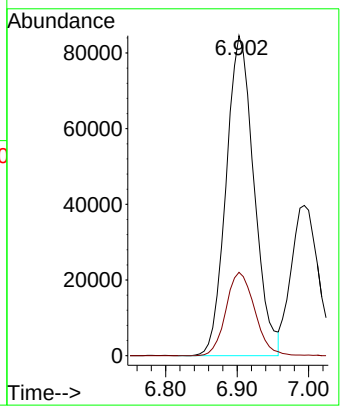




#25
2-Butanone
Concen: 613.177 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 22951

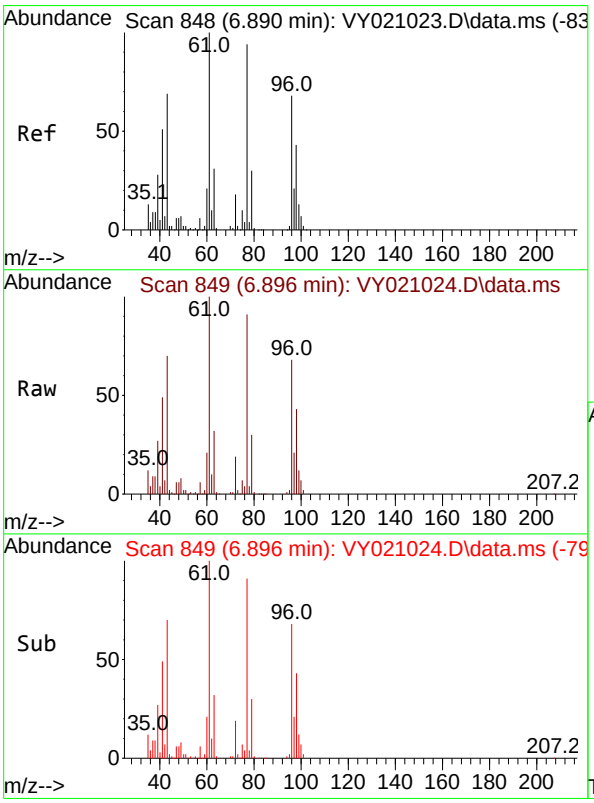
Ion	Ratio	Lower	Upper
43	100		
72	26.1	24.3	36.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

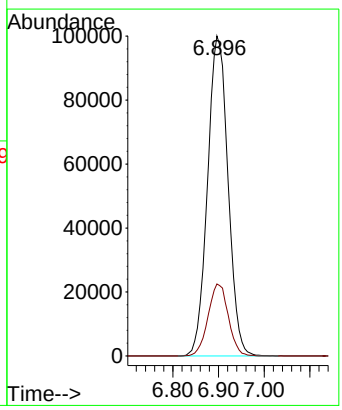
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

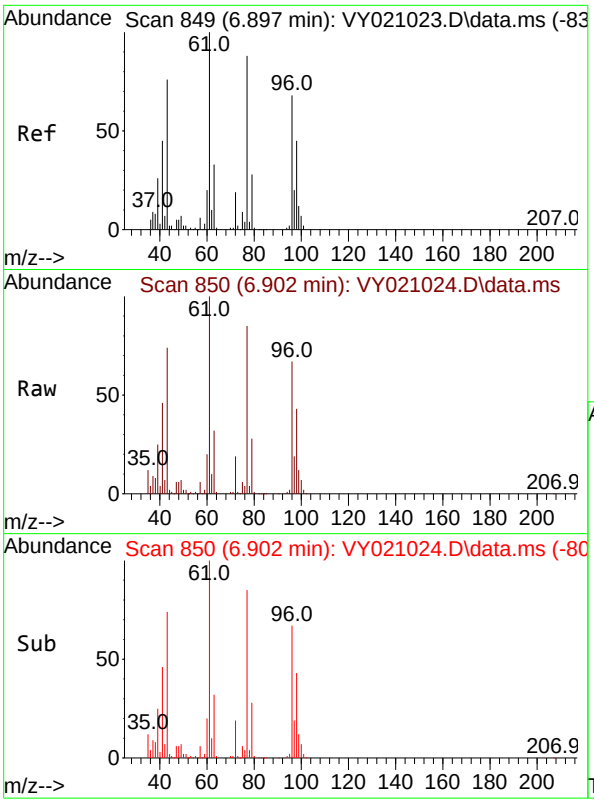


#26
2,2-Dichloropropane
Concen: 108.502 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 77 Resp: 311254

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2

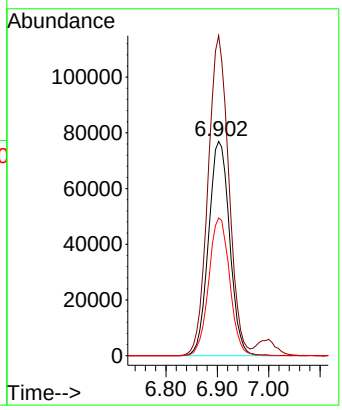




#27
cis-1,2-Dichloroethene
Concen: 110.326 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 21881

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	274.0
98	63.9	0.0	130.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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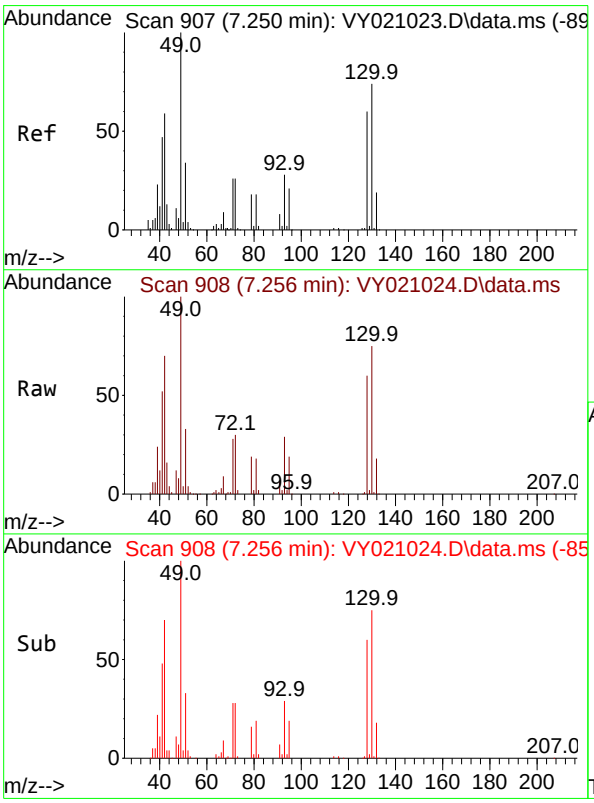
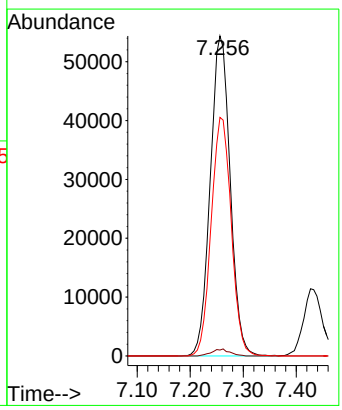
Supervised By :Semsettin Yesilyurt 02/04/2025

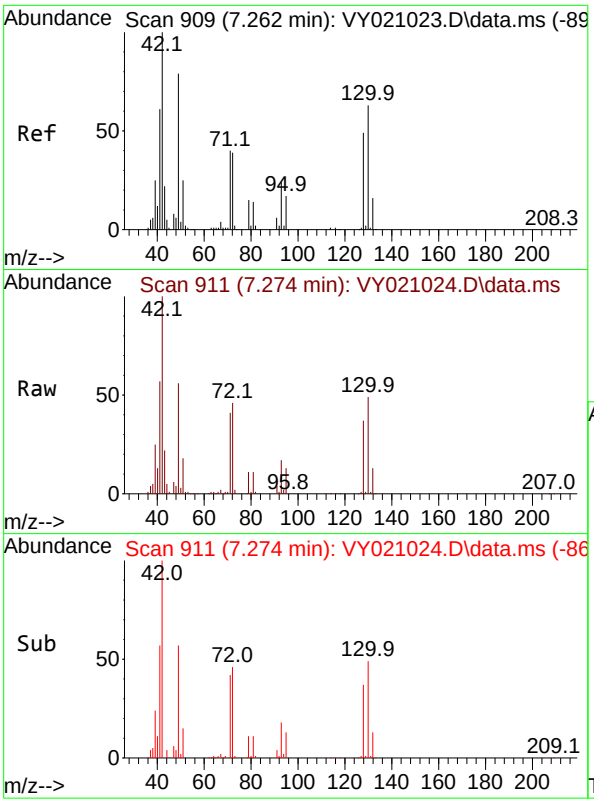


#28
Bromochloromethane
Concen: 130.955 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 49 Resp: 142156

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.0
130	74.8	73.2	109.8

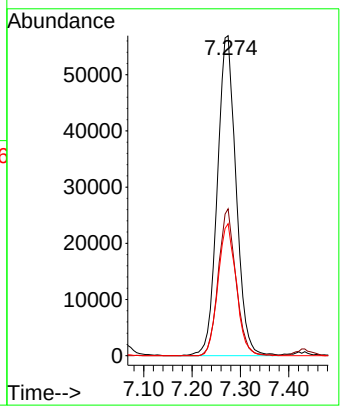




#29
Tetrahydrofuran
Concen: 607.855 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 42 Resp: 15310

Ion	Ratio	Lower	Upper
42	100		
72	43.3	39.3	58.9
71	40.2	36.1	54.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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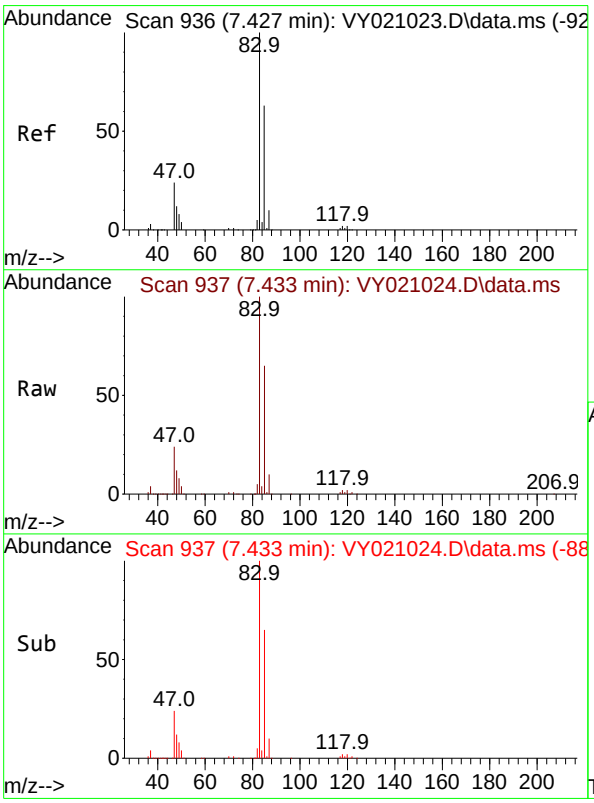
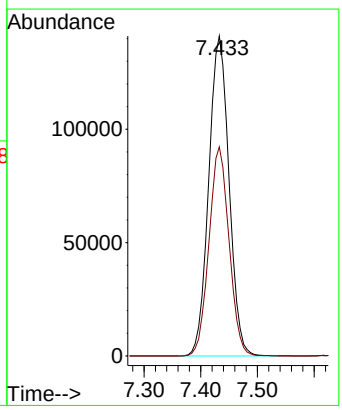
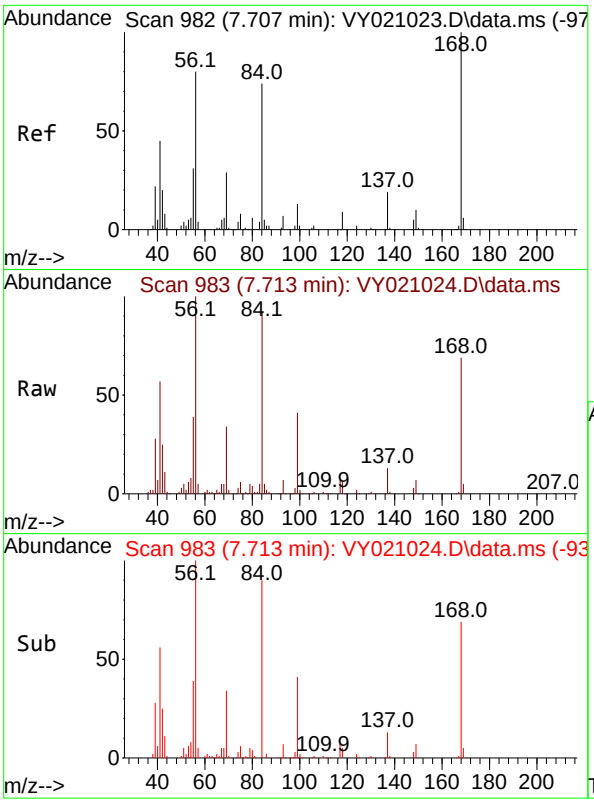


#30
Chloroform
Concen: 111.040 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 350416

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.9	79.3

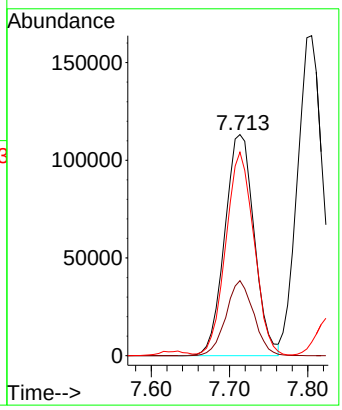




#31
Cyclohexane
Concen: 104.021 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 56 Resp: 29624

Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.7	41.5
84	90.1	77.5	116.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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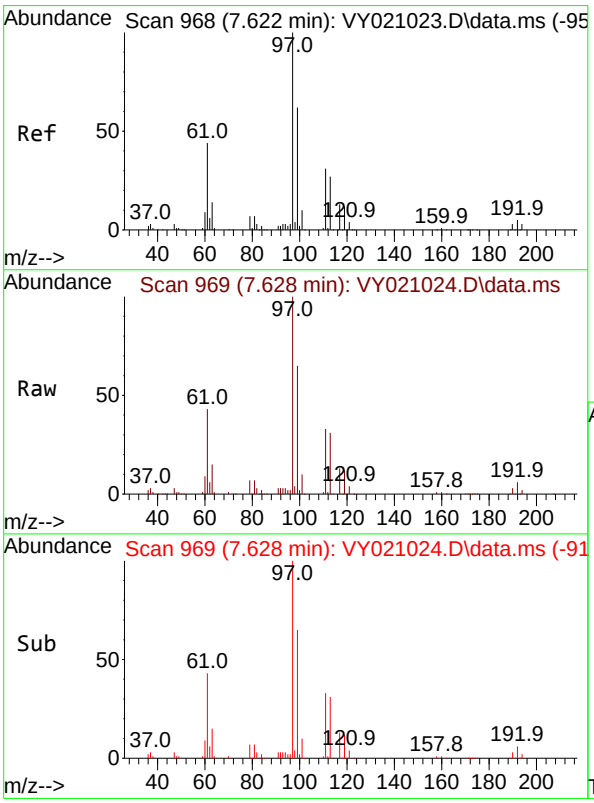
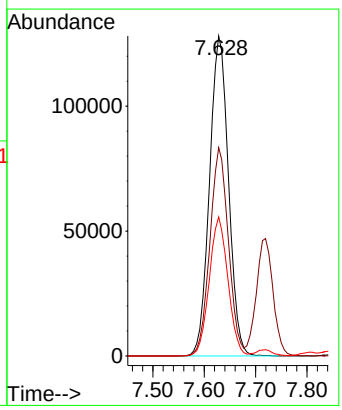
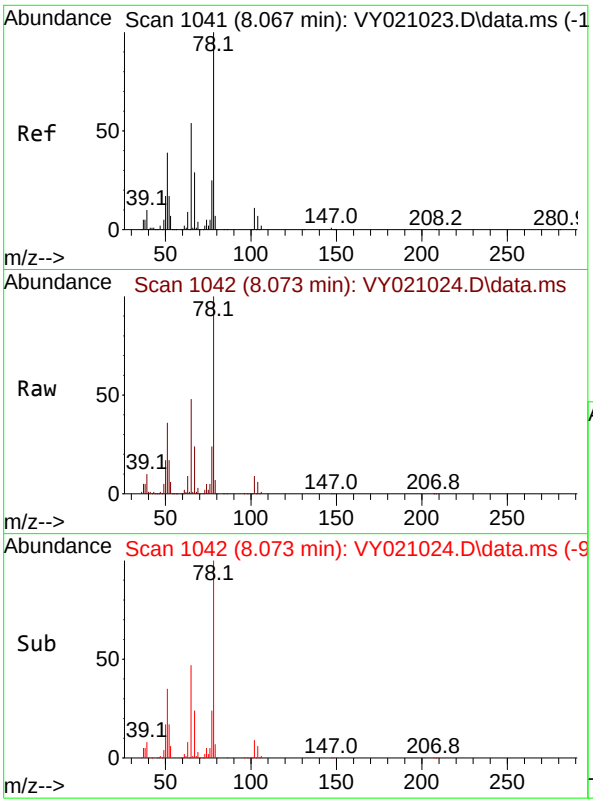


#32
1,1,1-Trichloroethane
Concen: 107.493 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 328296

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	42.7	31.4	47.0

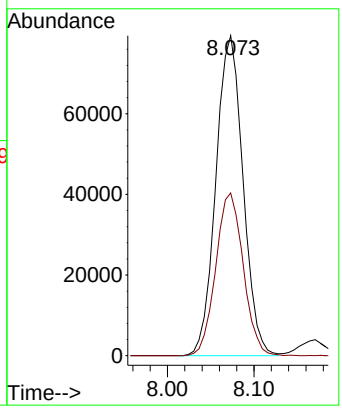




#33
1,2-Dichloroethane-d4
Concen: 106.741 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 65 Resp: 17279

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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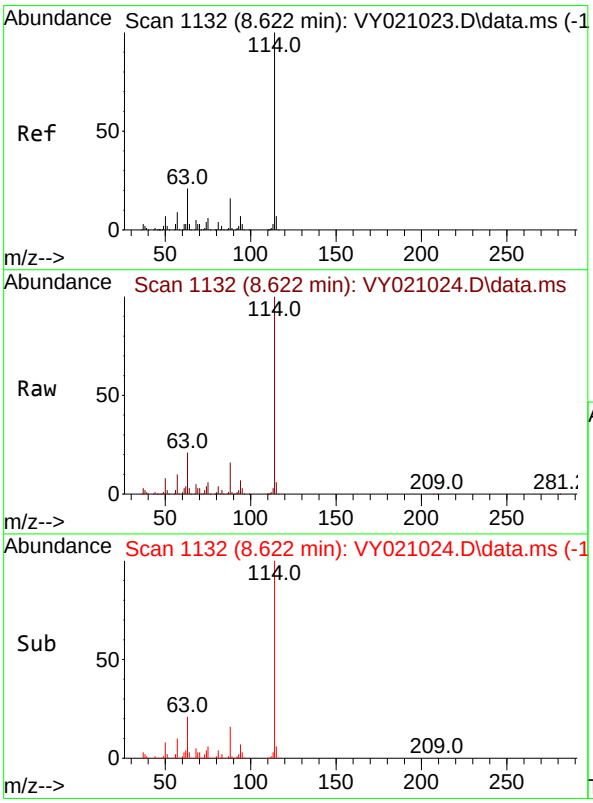
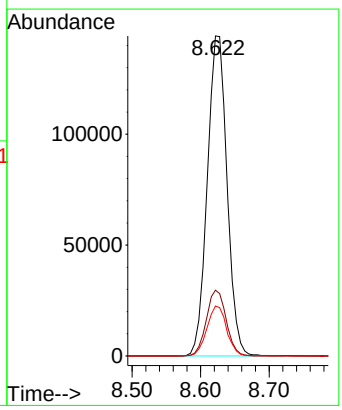
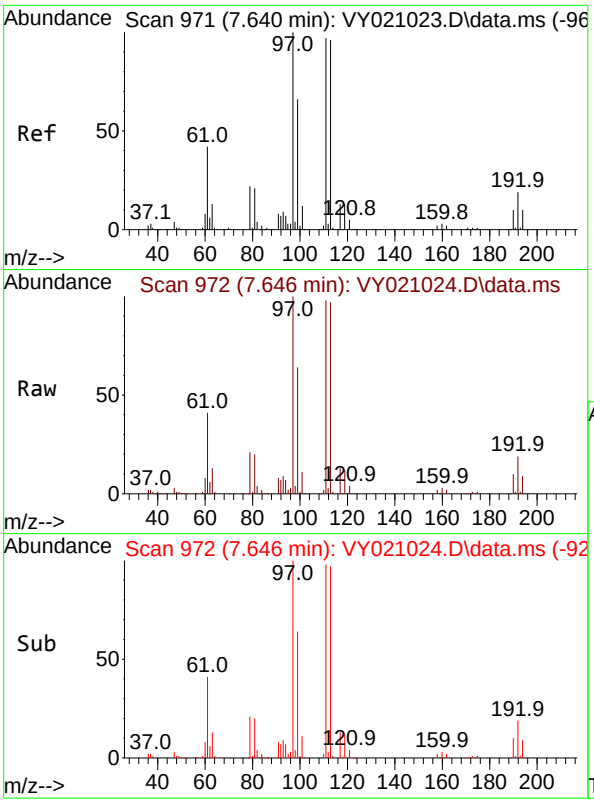


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:114 Resp: 289157

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	37.2
88	15.6	0.0	29.6





#35
Dibromofluoromethane
Concen: 98.858 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:113 Resp: 17185

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.5	16.8	25.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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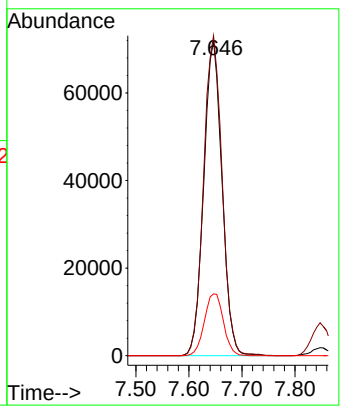
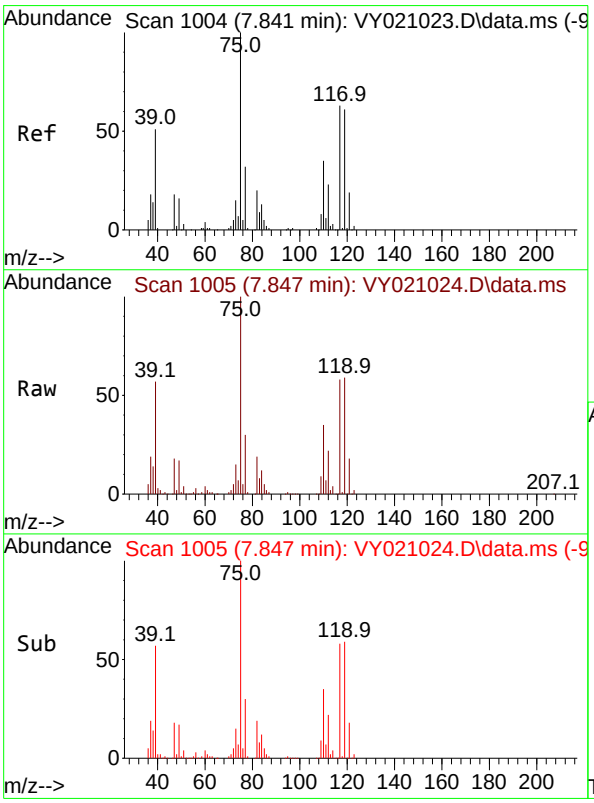
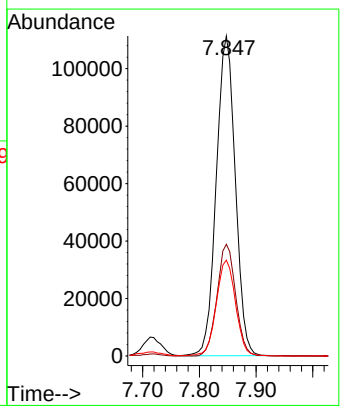


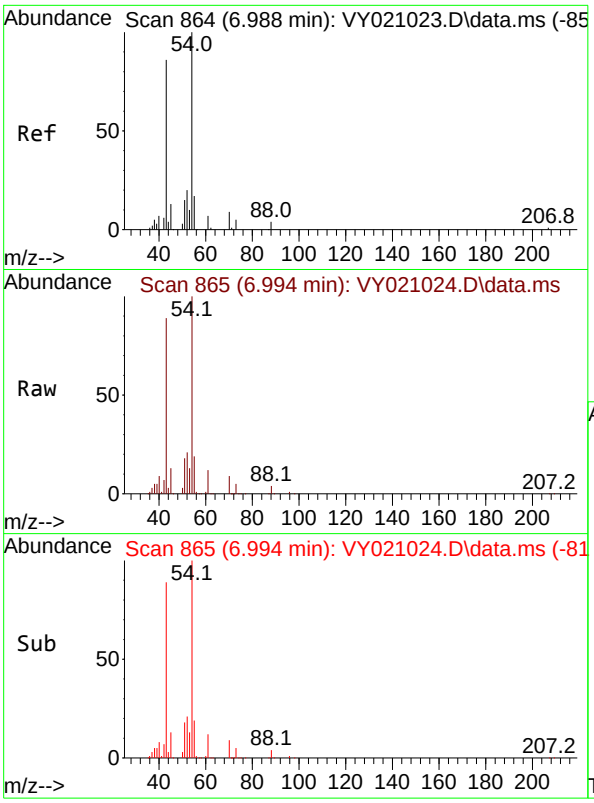


#36
1,1-Dichloropropene
Concen: 104.370 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 258833

Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.4	55.2
77	30.5	24.9	37.3

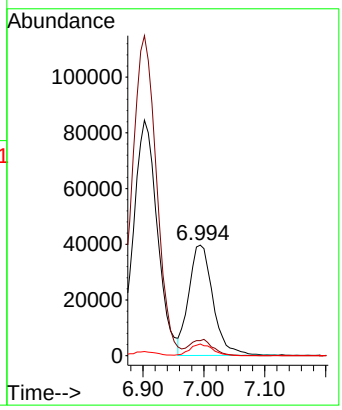




#37
Ethyl Acetate
Concen: 117.685 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 10880

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	9.9	9.6	14.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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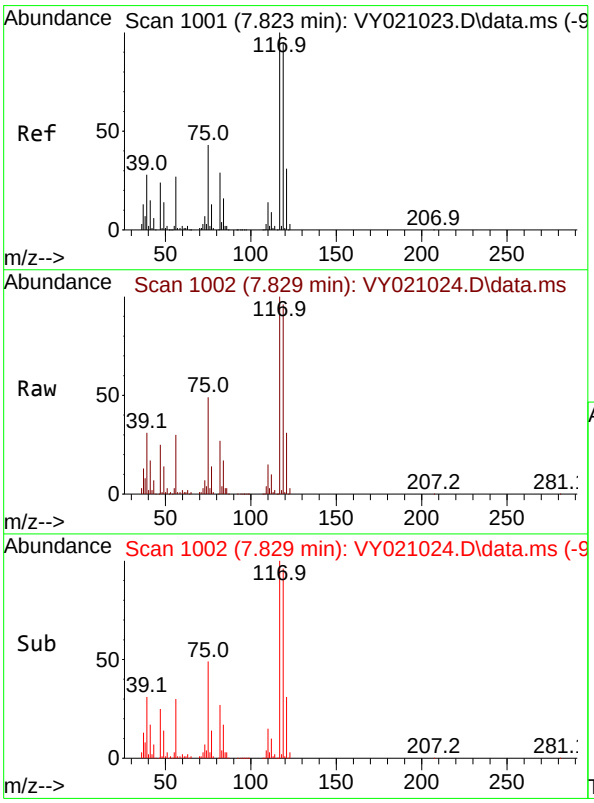
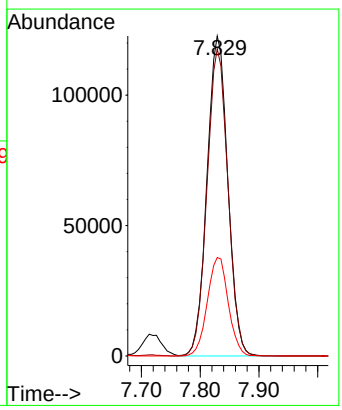
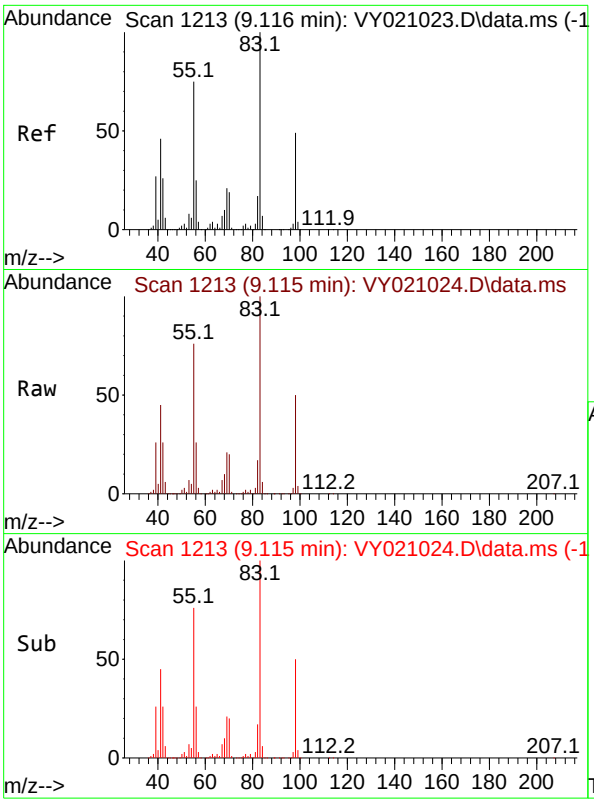


#38
Carbon Tetrachloride
Concen: 98.406 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 302001

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.0	112.6
121	30.8	24.2	36.2





#39
Methylcyclohexane
Concen: 99.014 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 32986

Ion	Ratio	Lower	Upper
83	100		
55	75.9	54.9	82.3
98	49.5	40.5	60.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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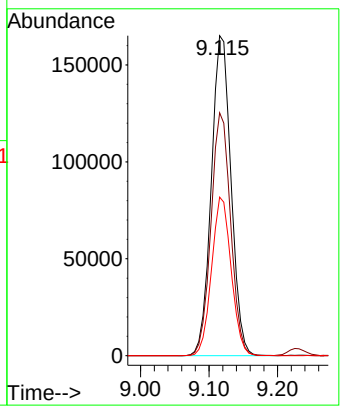
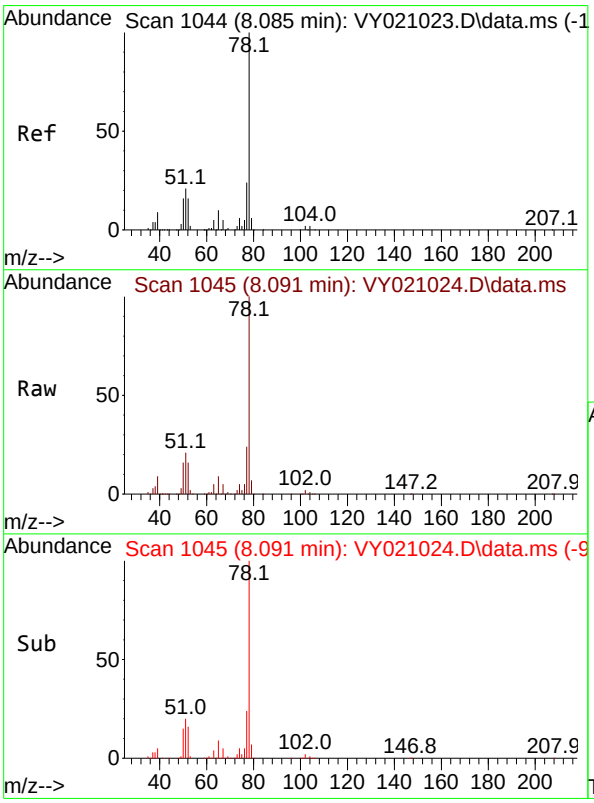
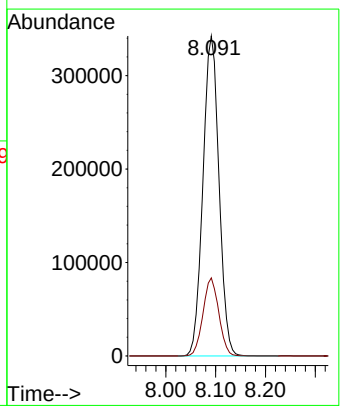


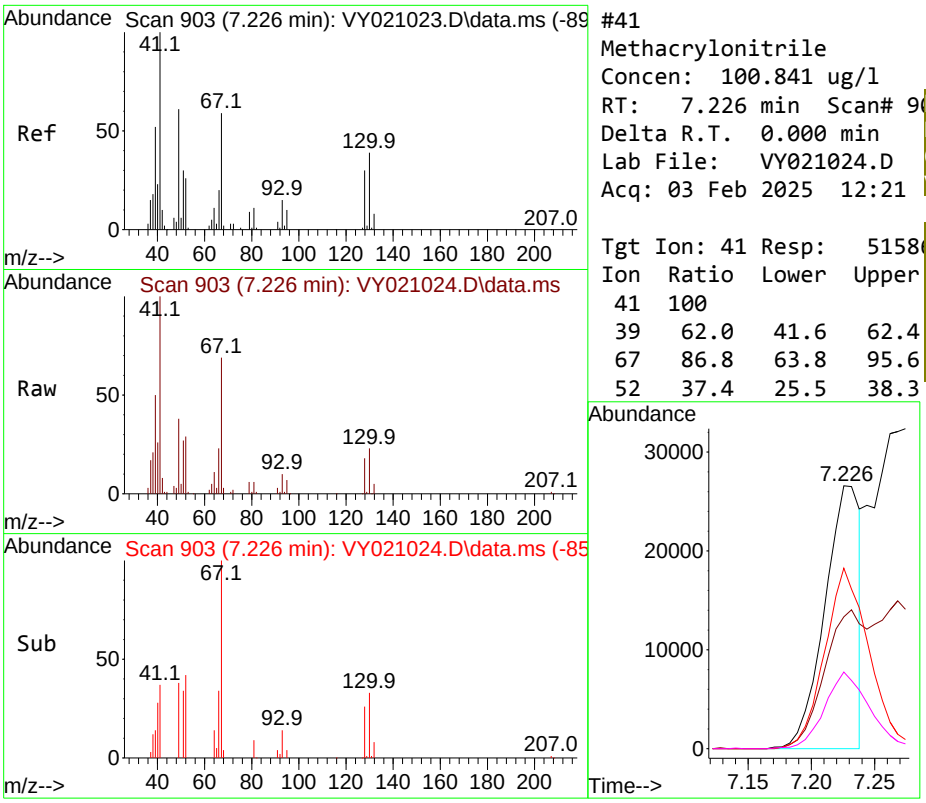


#40
Benzene
Concen: 104.883 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 78 Resp: 765340

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.2





#41
Methacrylonitrile
Concen: 100.841 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 5158

Ion	Ratio	Lower	Upper
41	100		
39	62.0	41.6	62.4
67	86.8	63.8	95.6
52	37.4	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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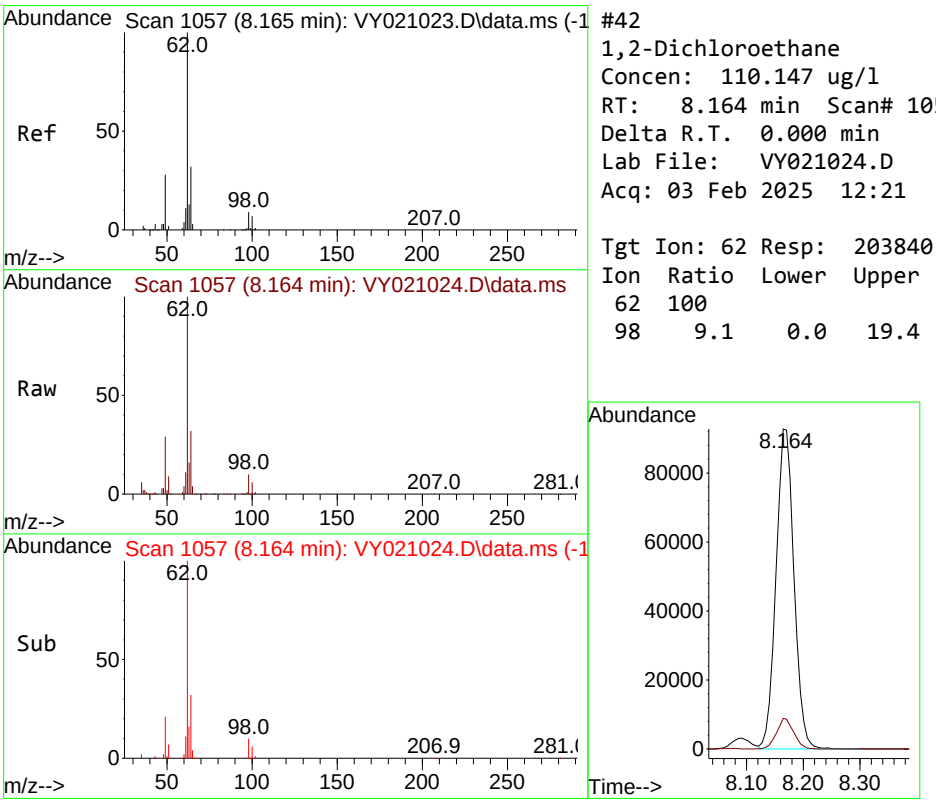
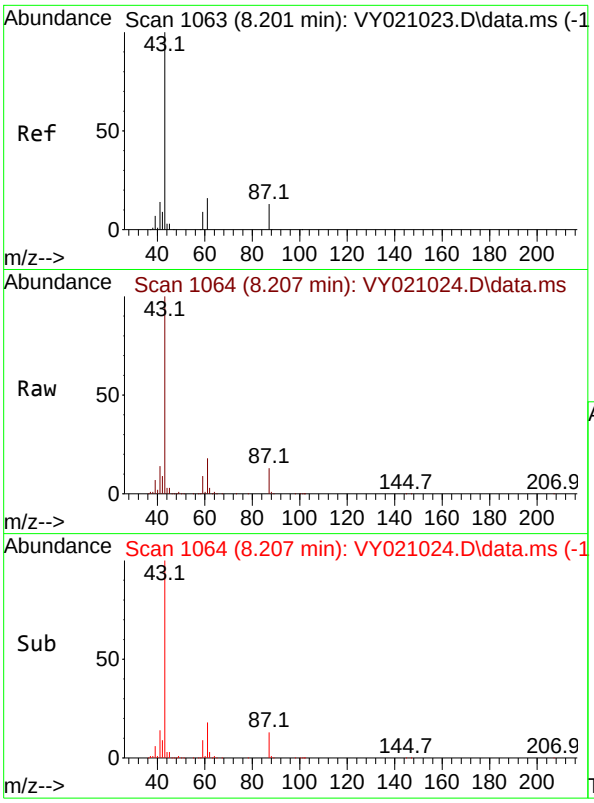


#42
1,2-Dichloroethane
Concen: 110.147 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 203840

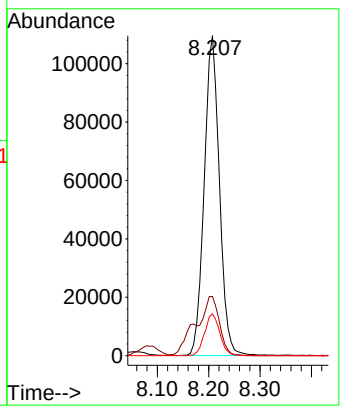
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4



#43
Isopropyl Acetate
Concen: 121.752 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 22488

Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.8	23.6
87	13.1	12.5	18.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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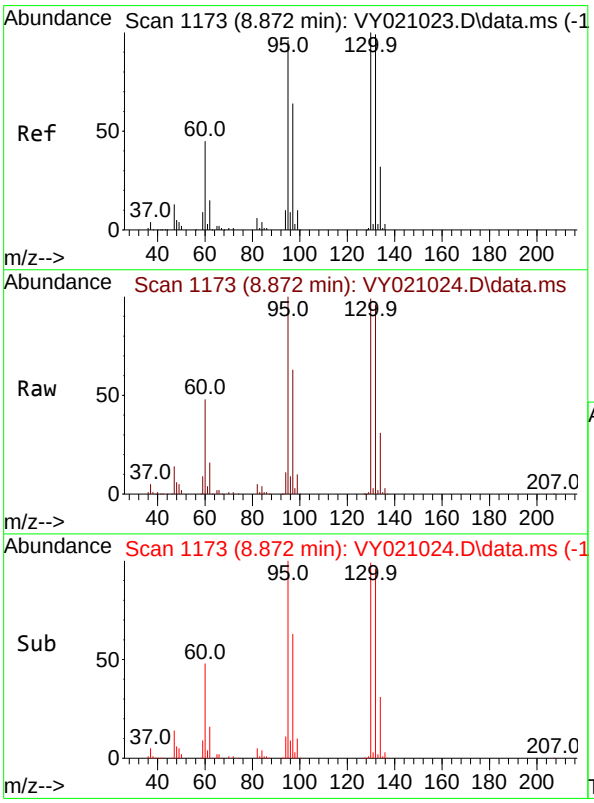
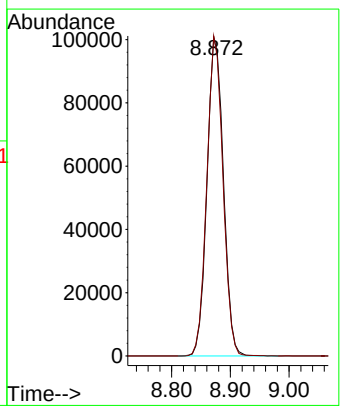
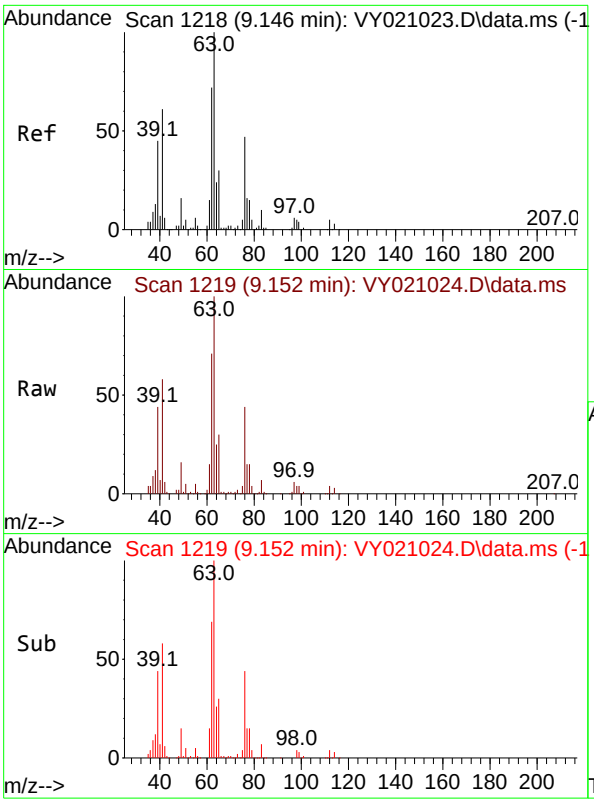


#44
Trichloroethene
Concen: 97.046 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:130 Resp: 195403

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	189.6

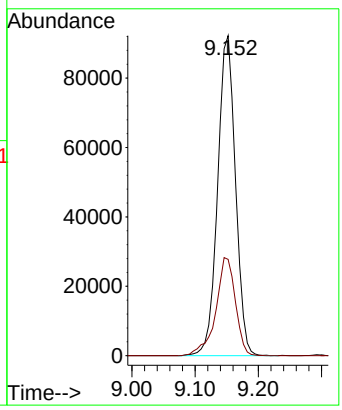




#45
1,2-Dichloropropane
Concen: 110.034 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 17996

Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.6	35.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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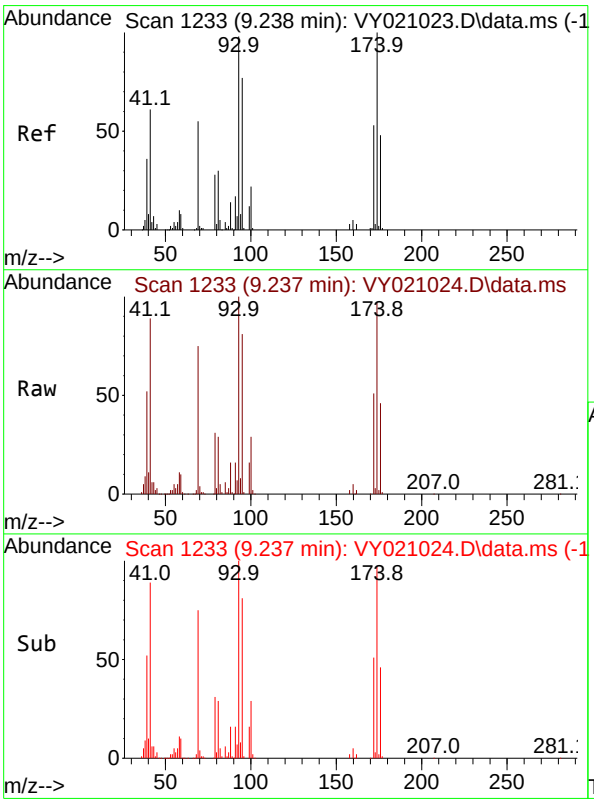
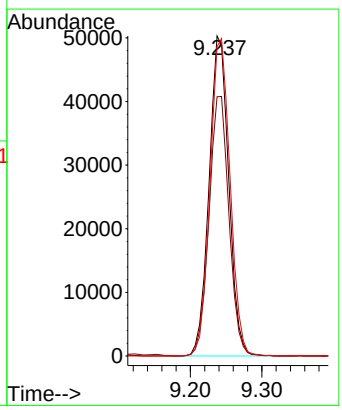
Supervised By :Semsettin Yesilyurt 02/04/2025

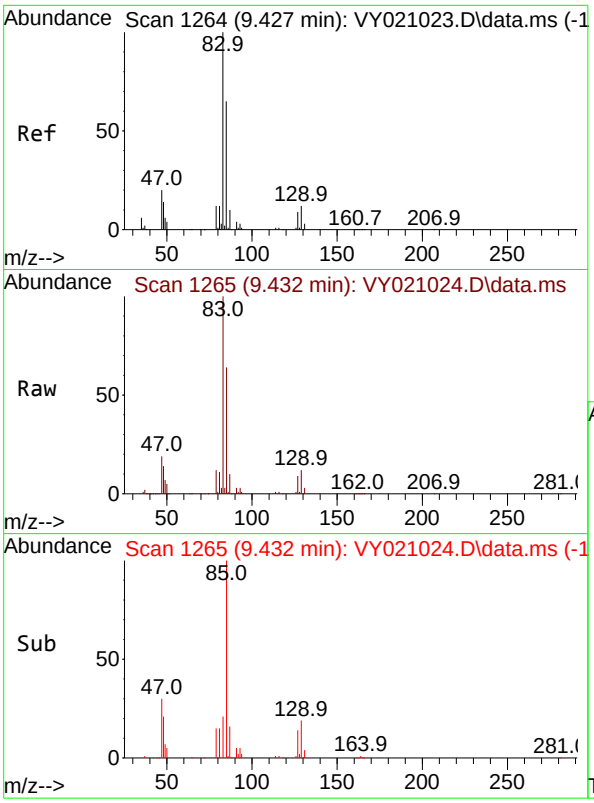


#46
Dibromomethane
Concen: 100.827 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 93 Resp: 95968

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	100.7	88.1	132.1

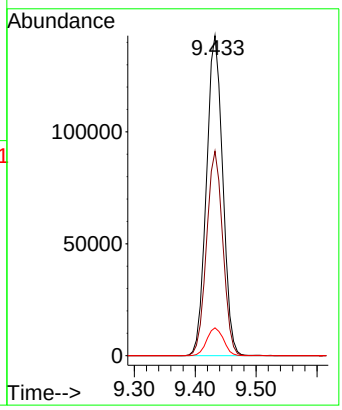




#47
Bromodichloromethane
Concen: 106.226 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 26551

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.6	74.4
127	8.7	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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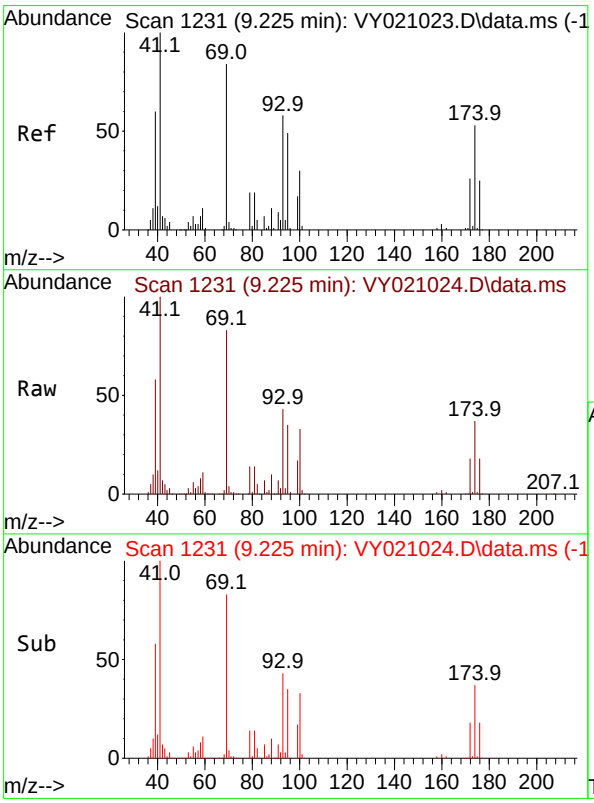
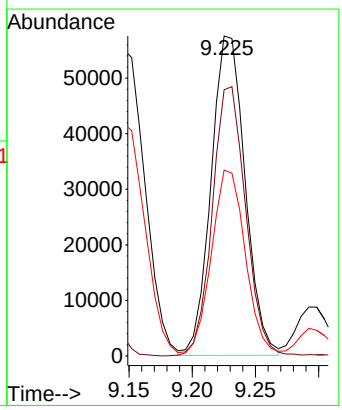
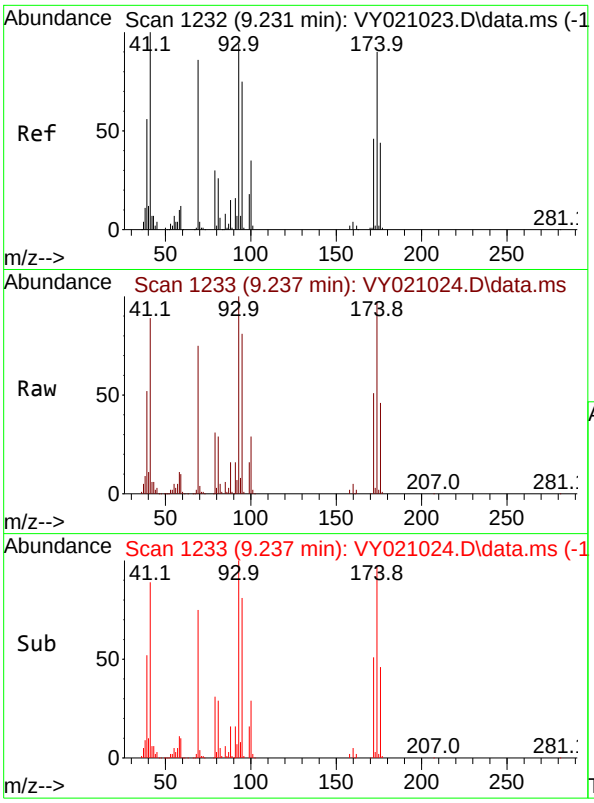


#48
Methyl methacrylate
Concen: 122.427 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 107661

Ion	Ratio	Lower	Upper
41	100		
69	82.8	75.6	113.4
39	56.2	41.3	61.9

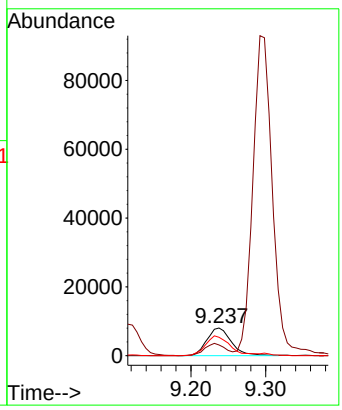




#49
1,4-Dioxane
Concen: 1817.108 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 88 Resp: 1837

Ion	Ratio	Lower	Upper
88	100		
43	37.9	24.2	36.4
58	71.1	57.3	85.9



Instrument :
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ClientSampleId :
VSTDICC100

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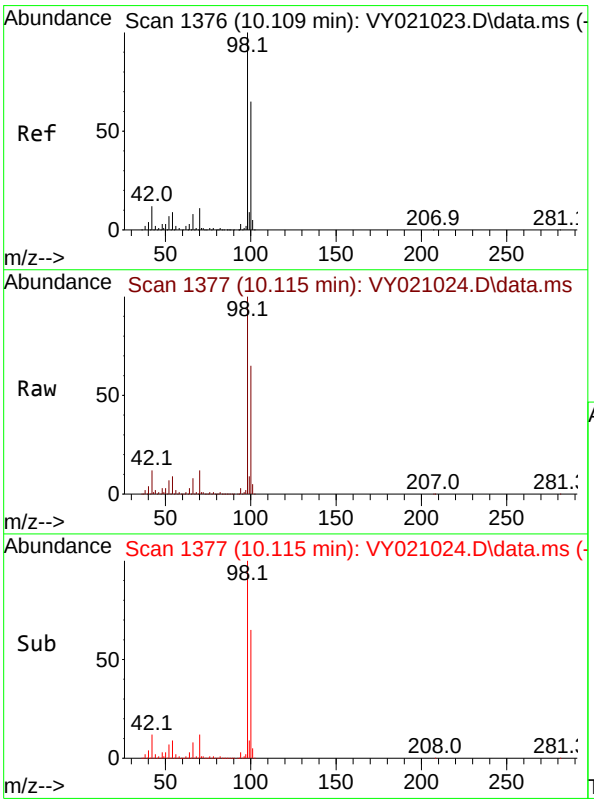
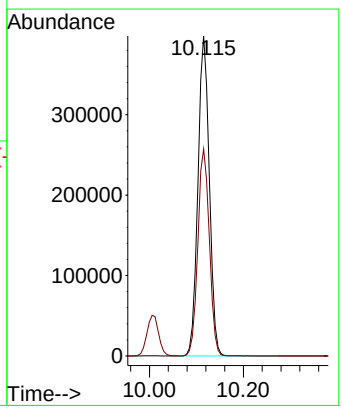
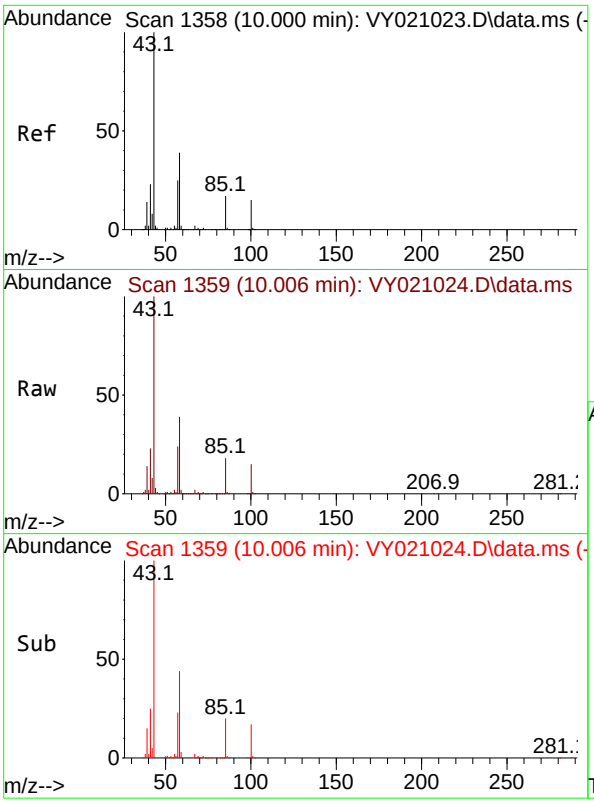


#50
Toluene-d8
Concen: 98.702 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 98 Resp: 669691

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0





#51
4-Methyl-2-Pentanone
Concen: 592.226 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 56208

Ion	Ratio	Lower	Upper
43	100		
58	38.7	33.8	50.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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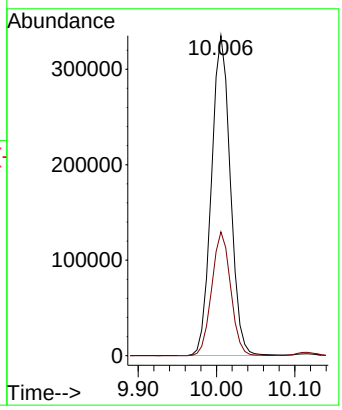
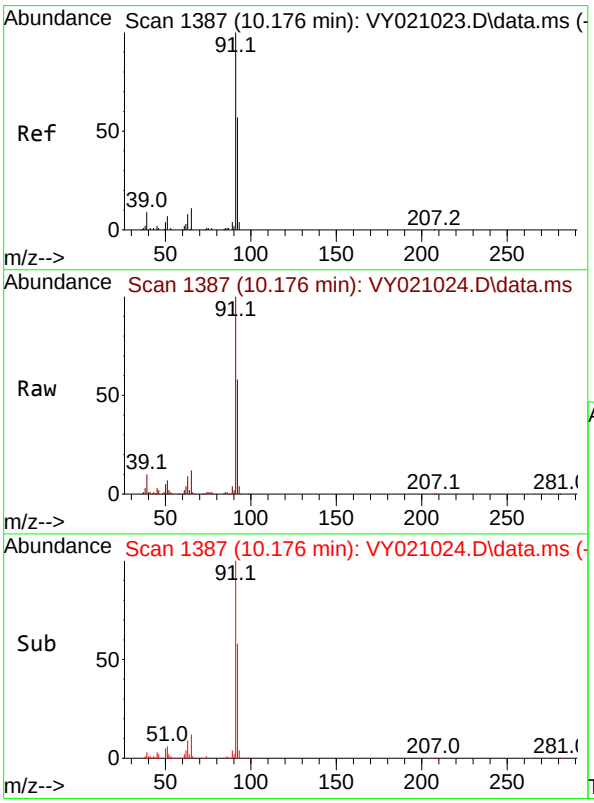
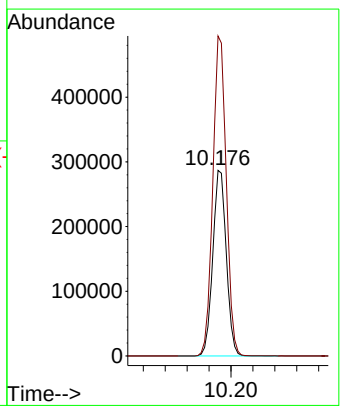


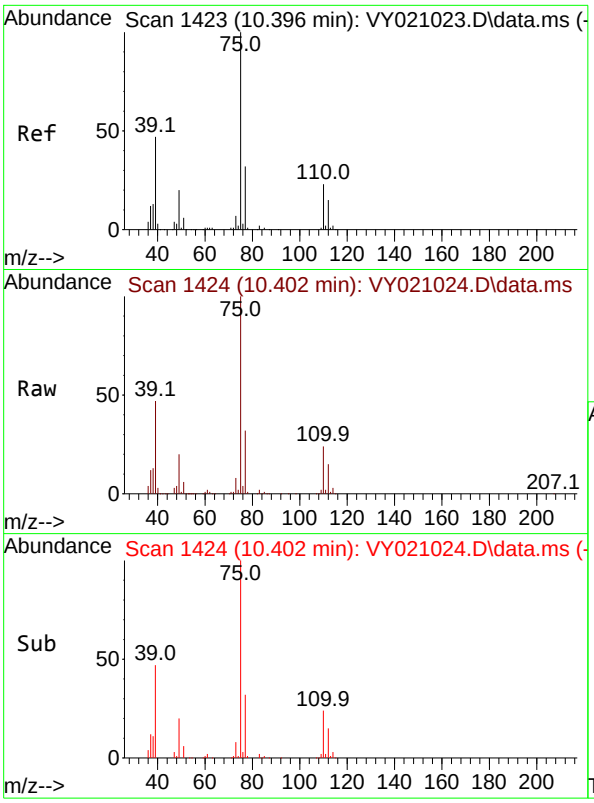


#52
Toluene
Concen: 103.090 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 92 Resp: 488296

Ion	Ratio	Lower	Upper
92	100		
91	171.7	135.8	203.8

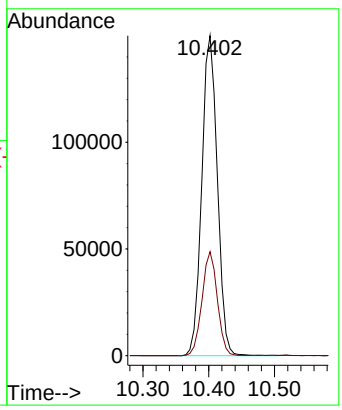




#53
t-1,3-Dichloropropene
Concen: 109.097 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 24676

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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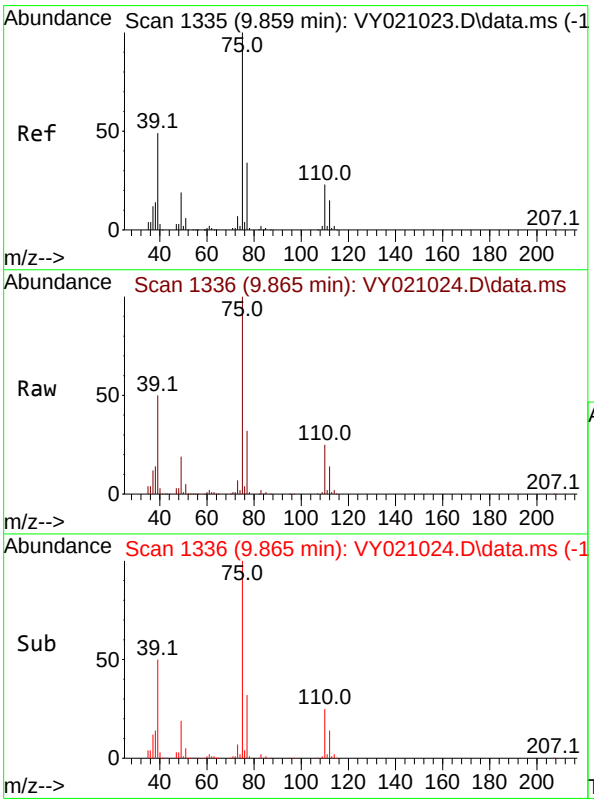
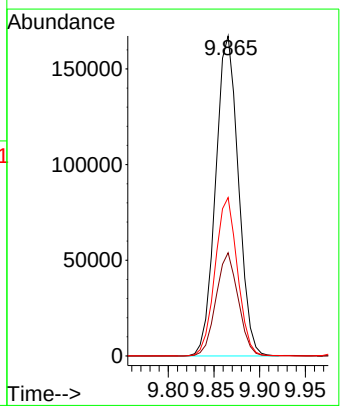
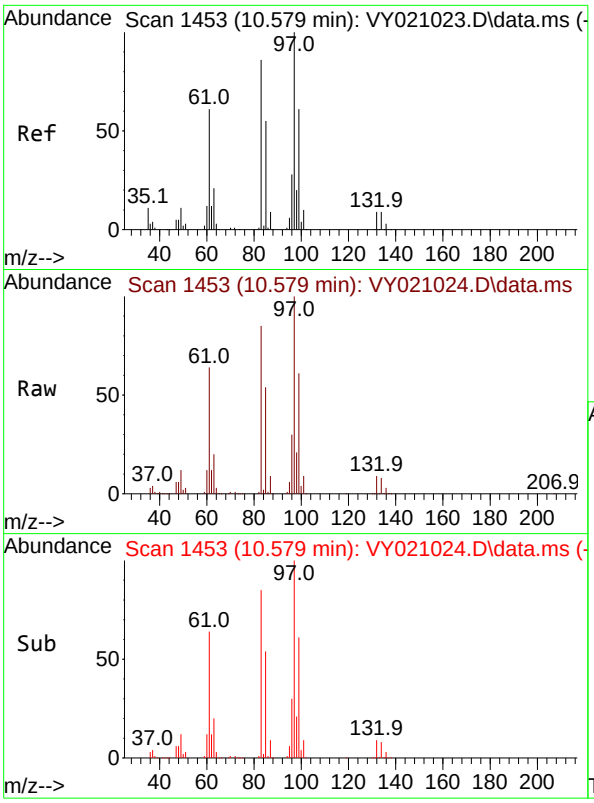


#54
cis-1,3-Dichloropropene
Concen: 107.141 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 289643

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	49.5	32.2	48.2#

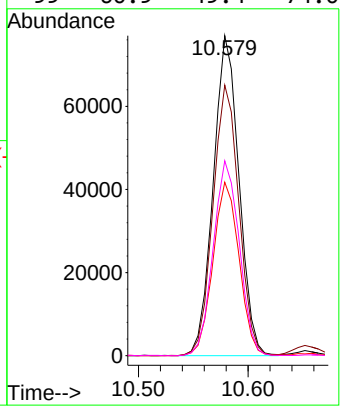




#55
1,1,2-Trichloroethane
Concen: 99.248 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 12562

Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	54.2	43.4	65.2
99	60.9	49.4	74.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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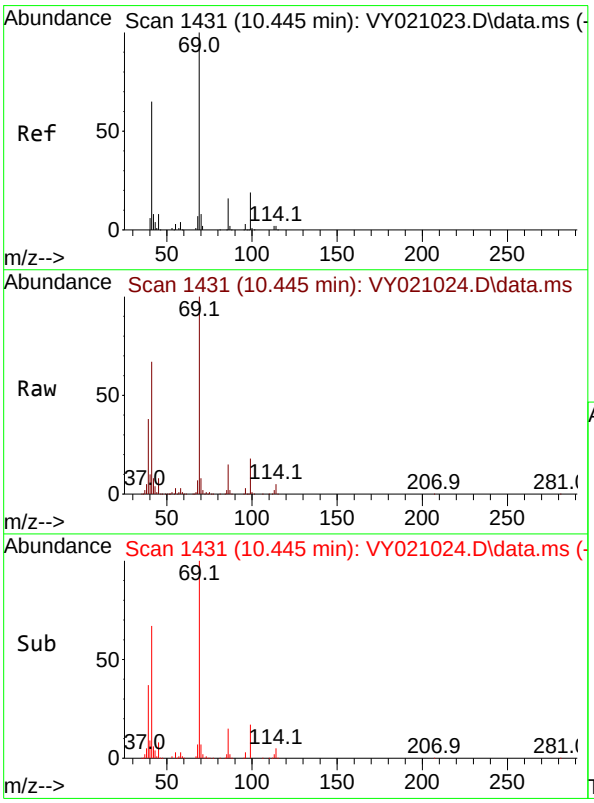
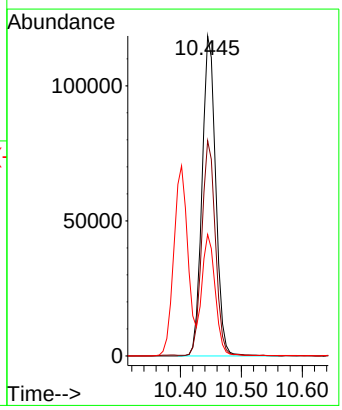
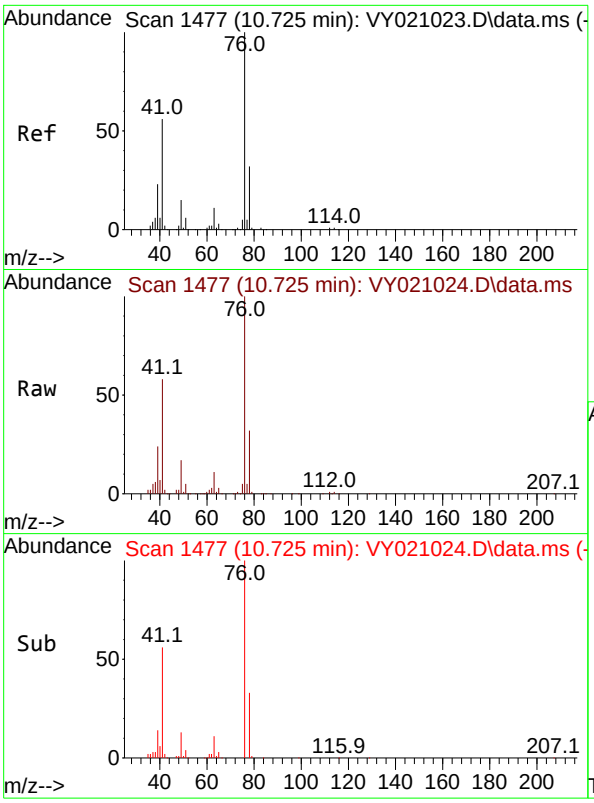


#56
Ethyl methacrylate
Concen: 111.337 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 69 Resp: 184212

Ion	Ratio	Lower	Upper
69	100		
41	66.9	46.3	69.5
39	36.5	24.5	36.7

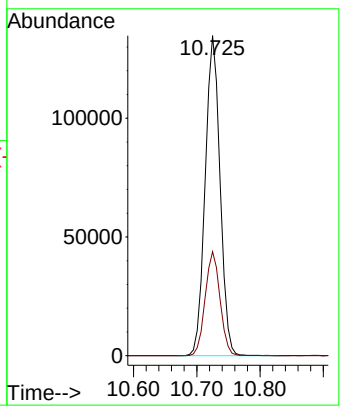




#57
1,3-Dichloropropane
Concen: 102.639 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 76 Resp: 22020

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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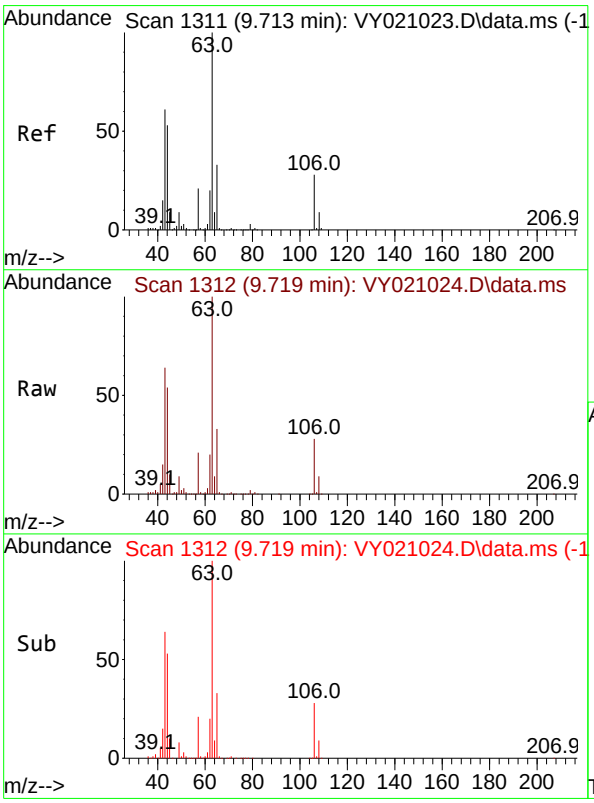
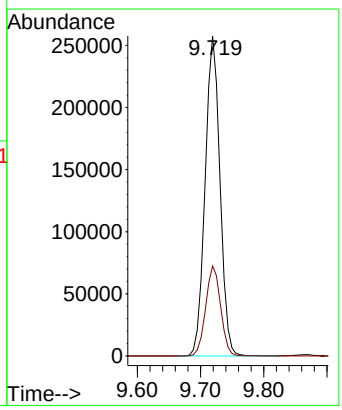
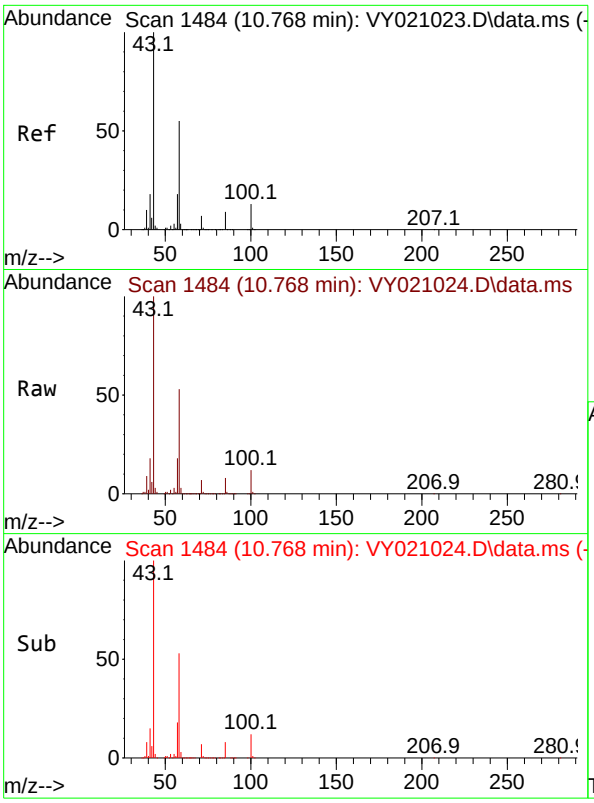


#58
2-Chloroethyl Vinyl ether
Concen: 599.795 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 421206

Ion	Ratio	Lower	Upper
63	100		
106	28.2	24.7	37.1





#59
2-Hexanone
Concen: 605.028 ug/l
RT: 10.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 37324

Ion	Ratio	Lower	Upper
43	100		
58	53.4	29.8	89.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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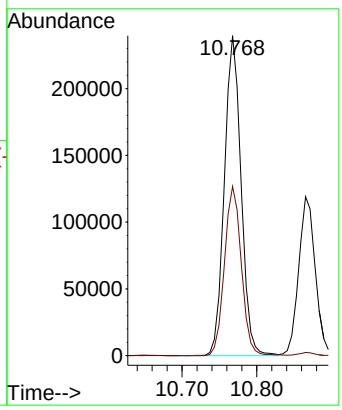
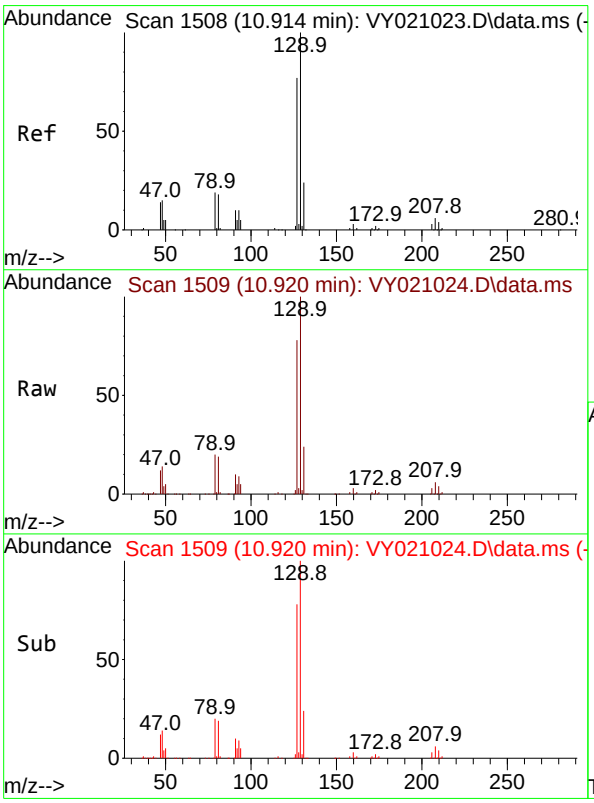
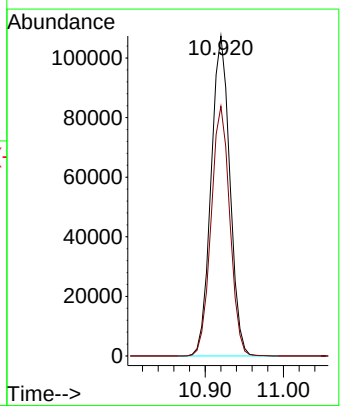


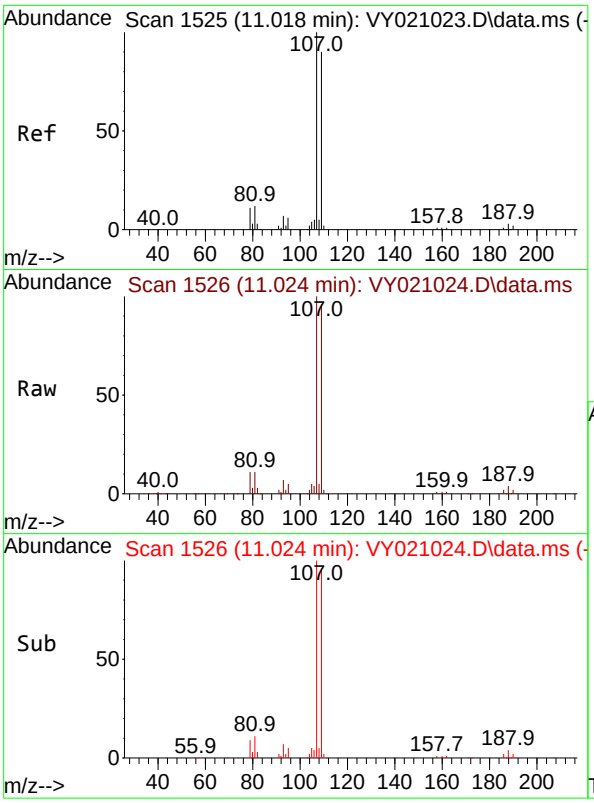


#60
Dibromochloromethane
Concen: 99.202 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:129 Resp: 179036

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3

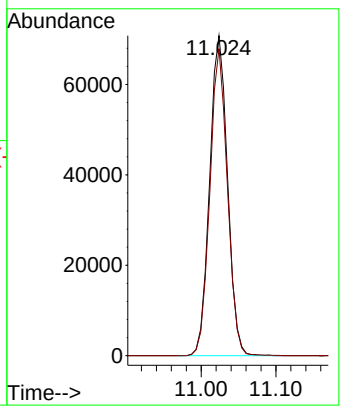




#61
1,2-Dibromoethane
Concen: 97.250 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:107 Resp: 11757

Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.6	114.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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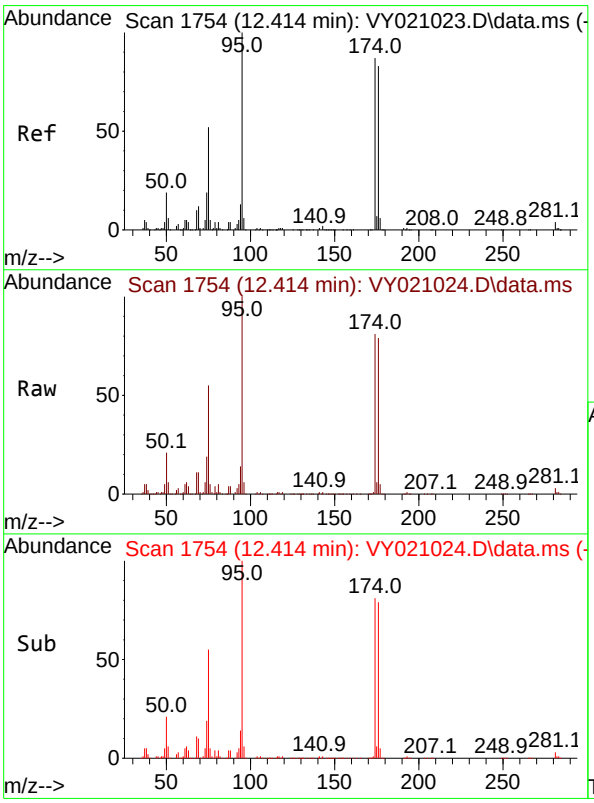
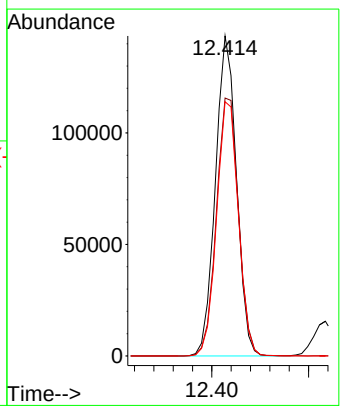
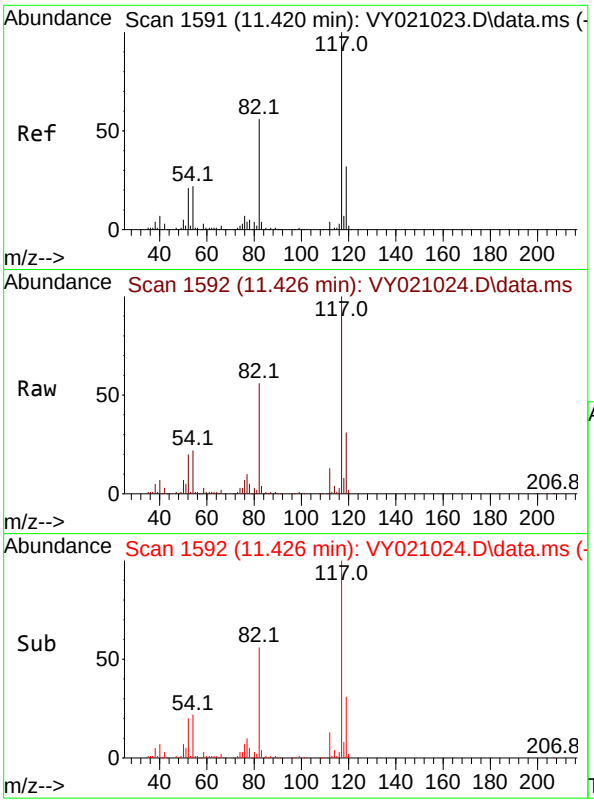


#62
4-Bromofluorobenzene
Concen: 95.157 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 95 Resp: 216644

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	181.2
176	82.0	0.0	175.2

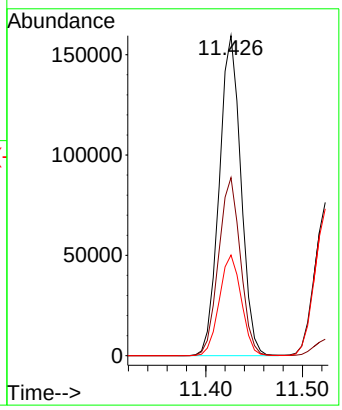




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 24817

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	31.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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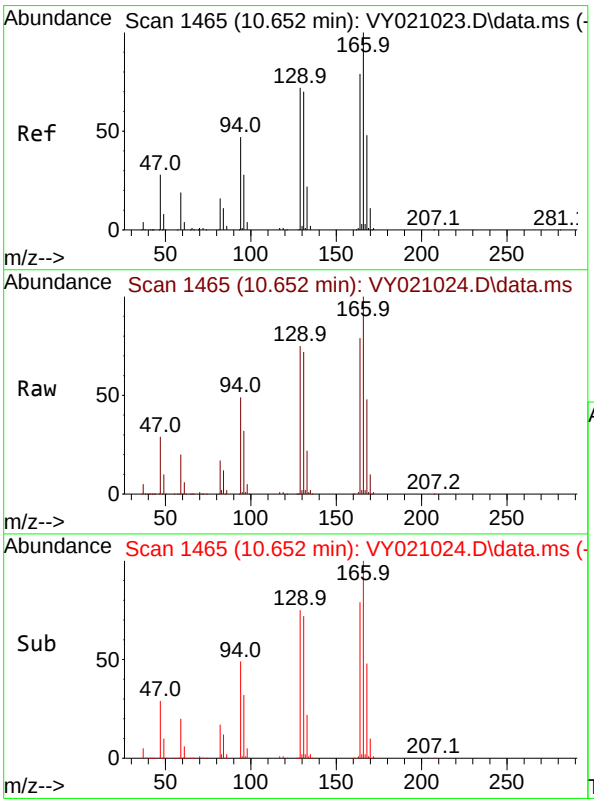
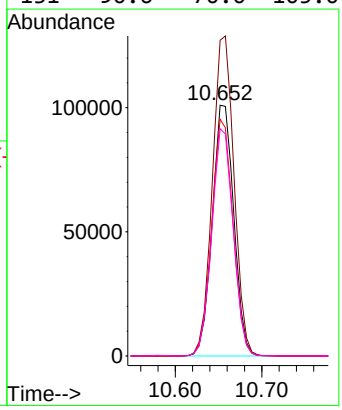
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

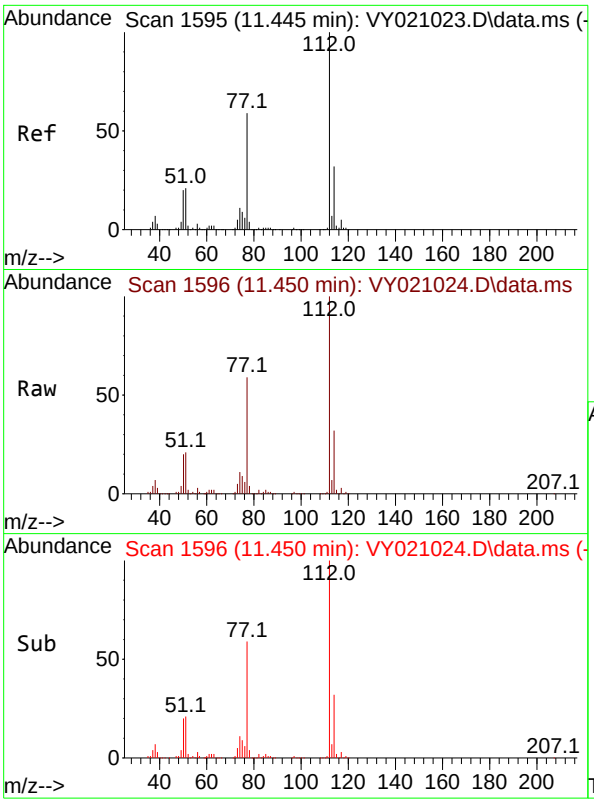


#64
Tetrachloroethene
Concen: 93.066 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:164 Resp: 174223

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	94.4	70.8	106.2
131	90.6	70.0	105.0

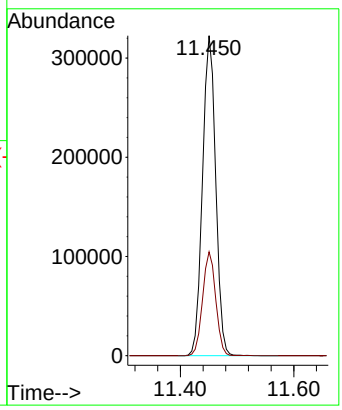




#65
Chlorobenzene
Concen: 99.441 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:112 Resp: 51994

Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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Reviewed By :Mahesh Dadoda 02/04/2025
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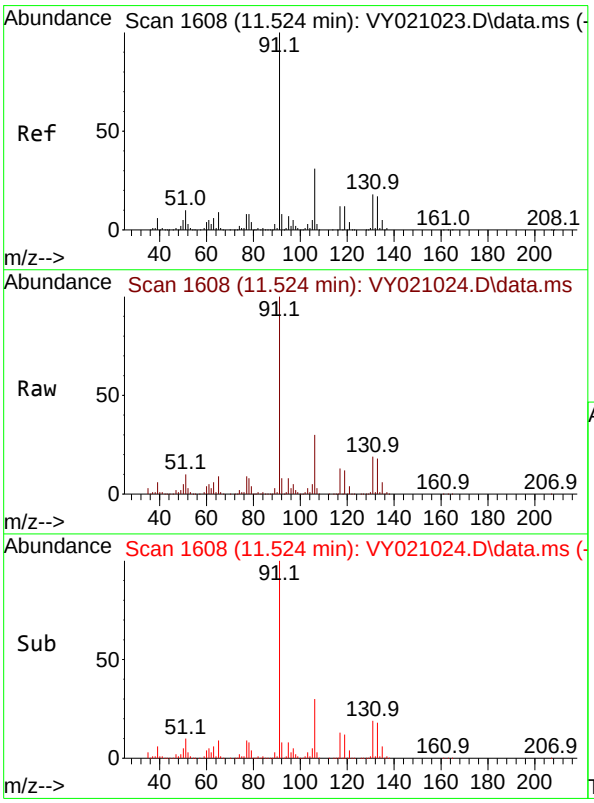
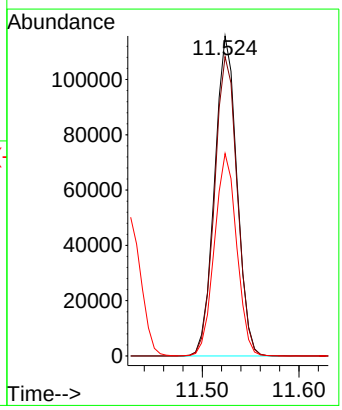
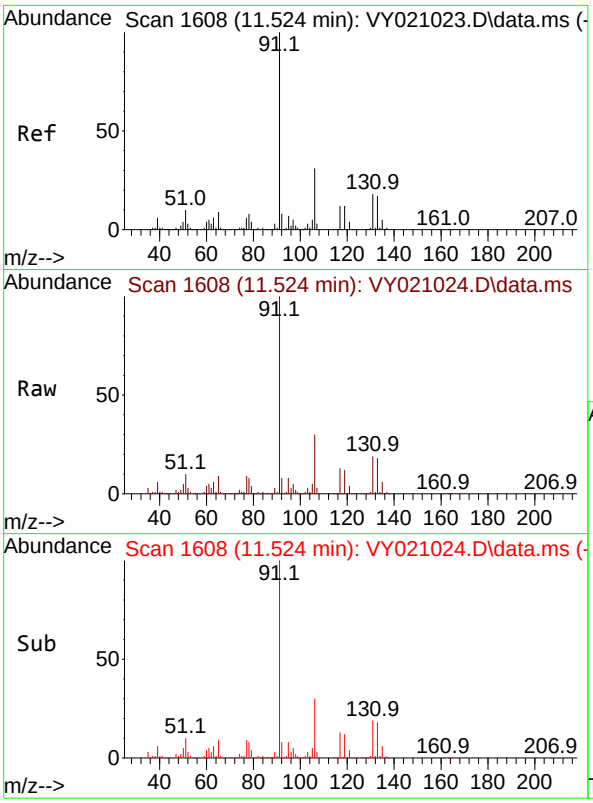


#66
1,1,1,2-Tetrachloroethane
Concen: 99.917 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:131 Resp: 185418

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.7	146.1
119	63.0	31.4	94.3





#67
Ethyl Benzene
Concen: 104.939 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 95001

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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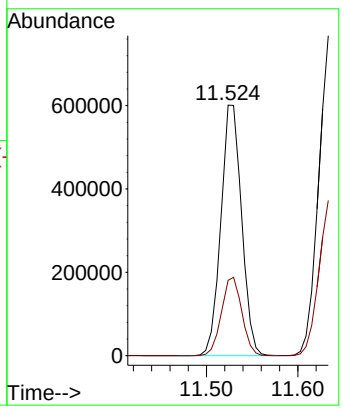
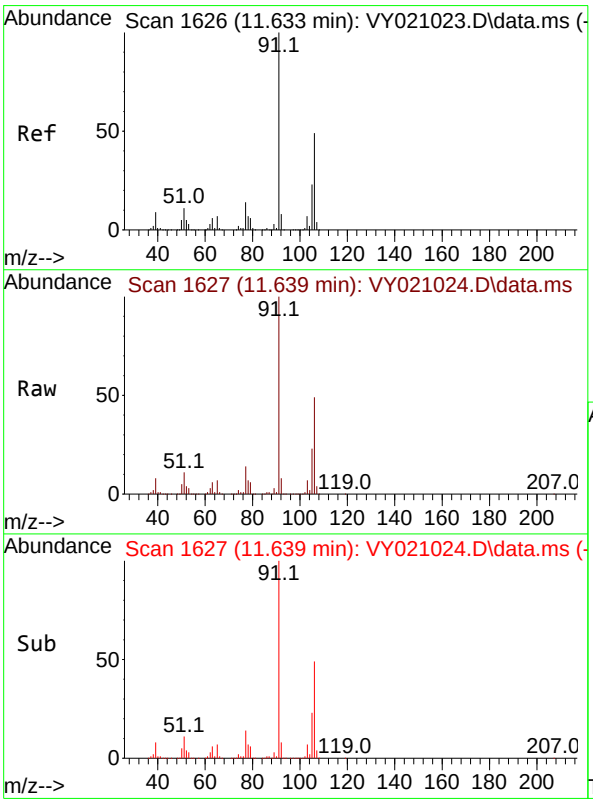
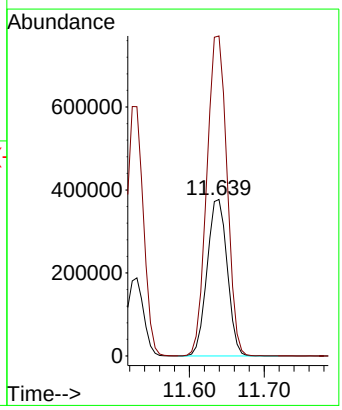


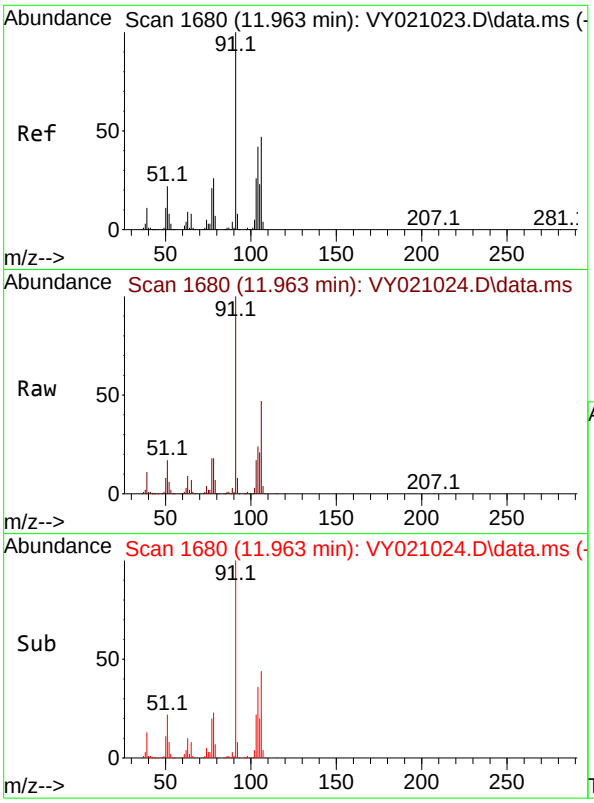


#68
m/p-Xylenes
Concen: 202.801 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:106 Resp: 705393

Ion	Ratio	Lower	Upper
106	100		
91	205.1	160.0	240.0





#69
o-Xylene
Concen: 102.783 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:106 Resp: 33234

Ion	Ratio	Lower	Upper
106	100		
91	216.9	105.8	317.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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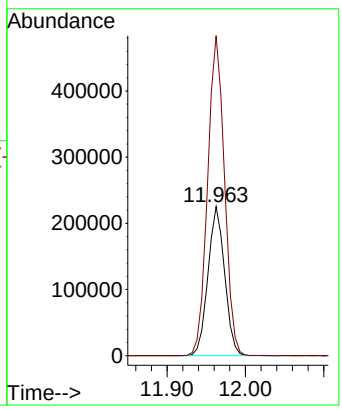
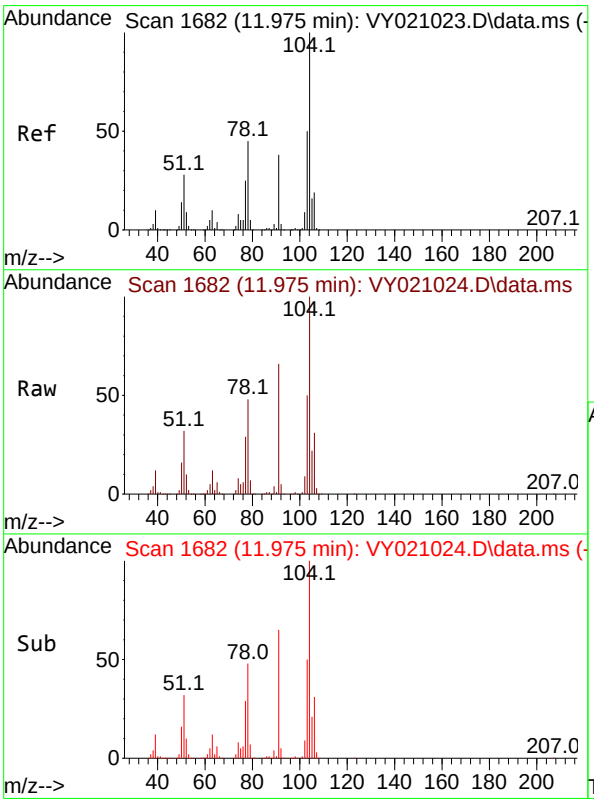
Supervised By :Semsettin Yesilyurt 02/04/2025

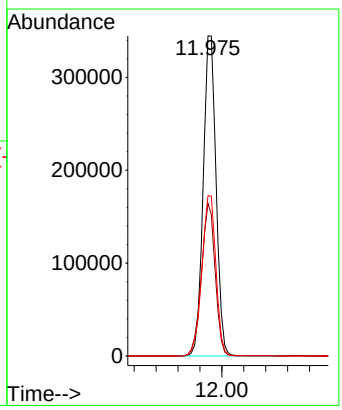


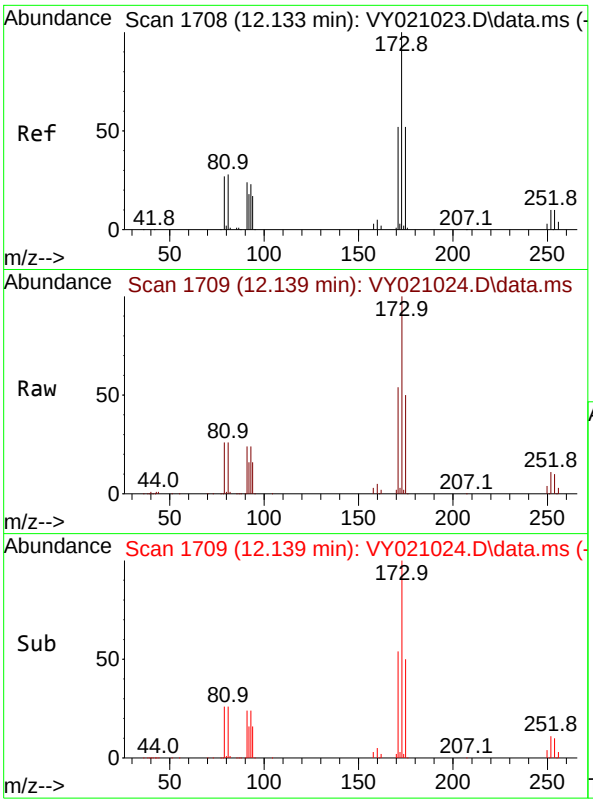


#70
Styrene
Concen: 104.245 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:104 Resp: 559633

Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.0	58.4
103	54.6	43.7	65.5

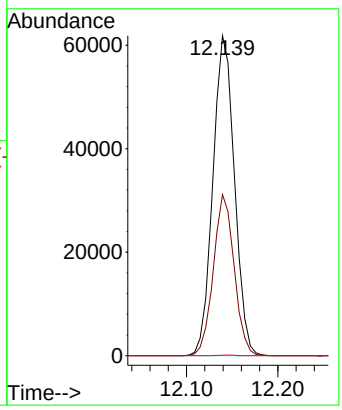




#71
Bromoform
Concen: 92.910 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:173 Resp: 10161

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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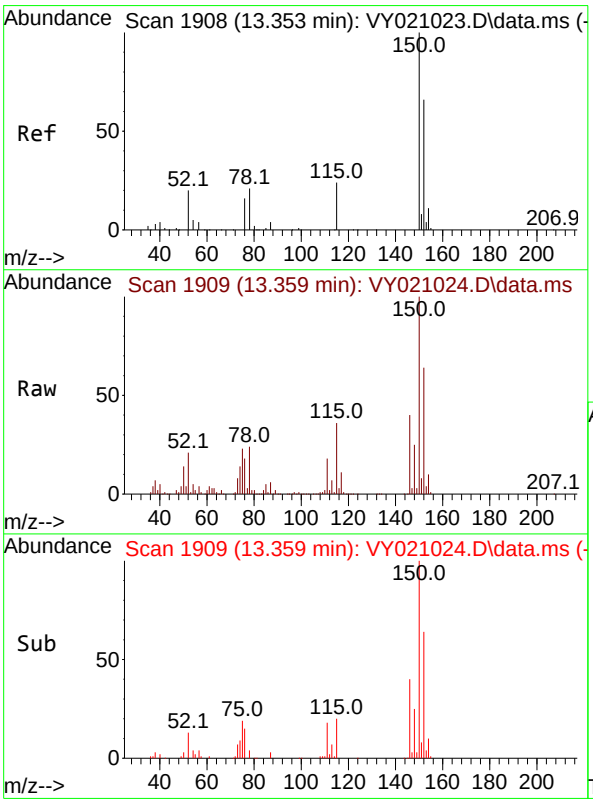
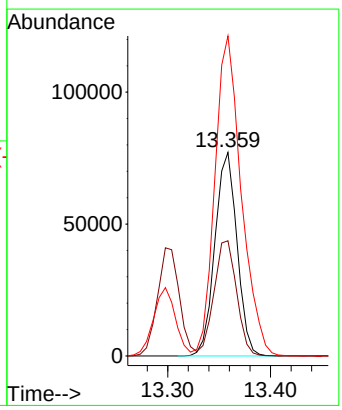
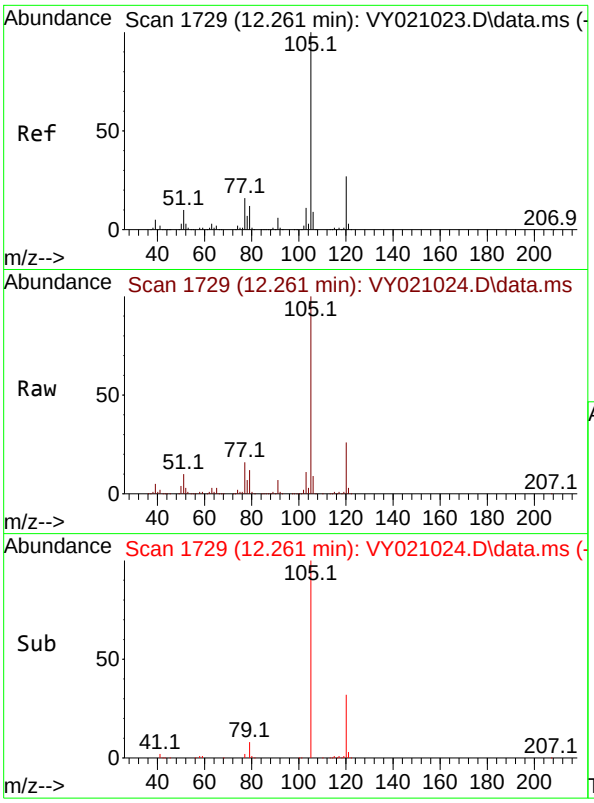


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:152 Resp: 115163

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.4	85.2
150	188.0	0.0	342.8

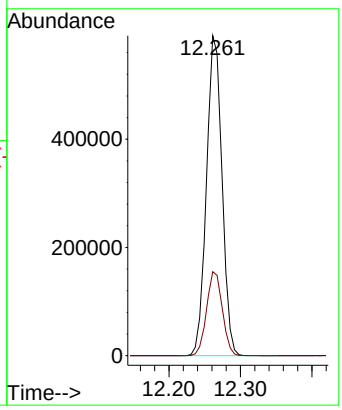




#73
Isopropylbenzene
Concen: 110.247 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 89169

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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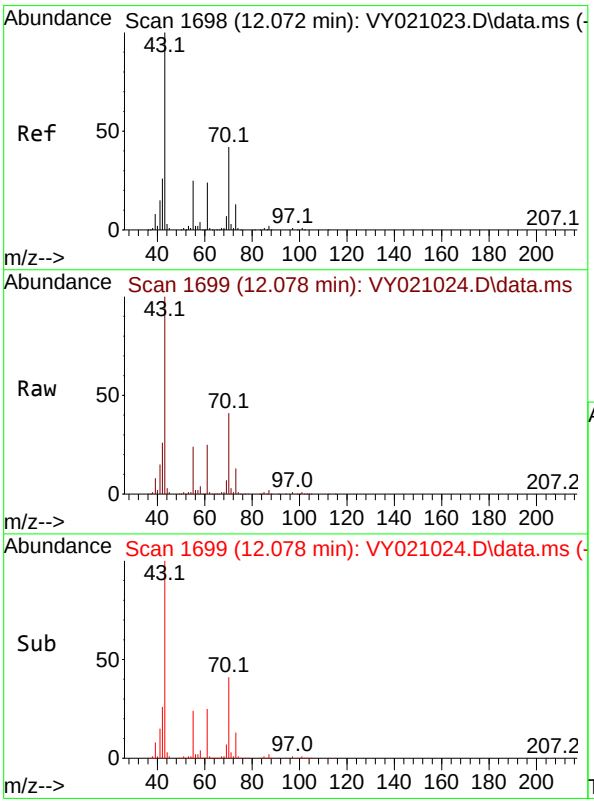
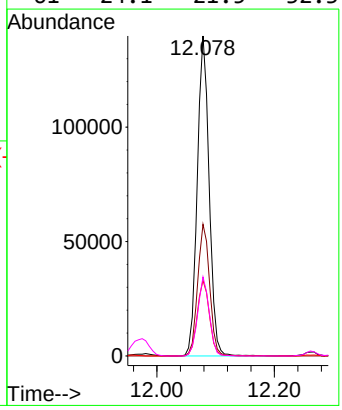
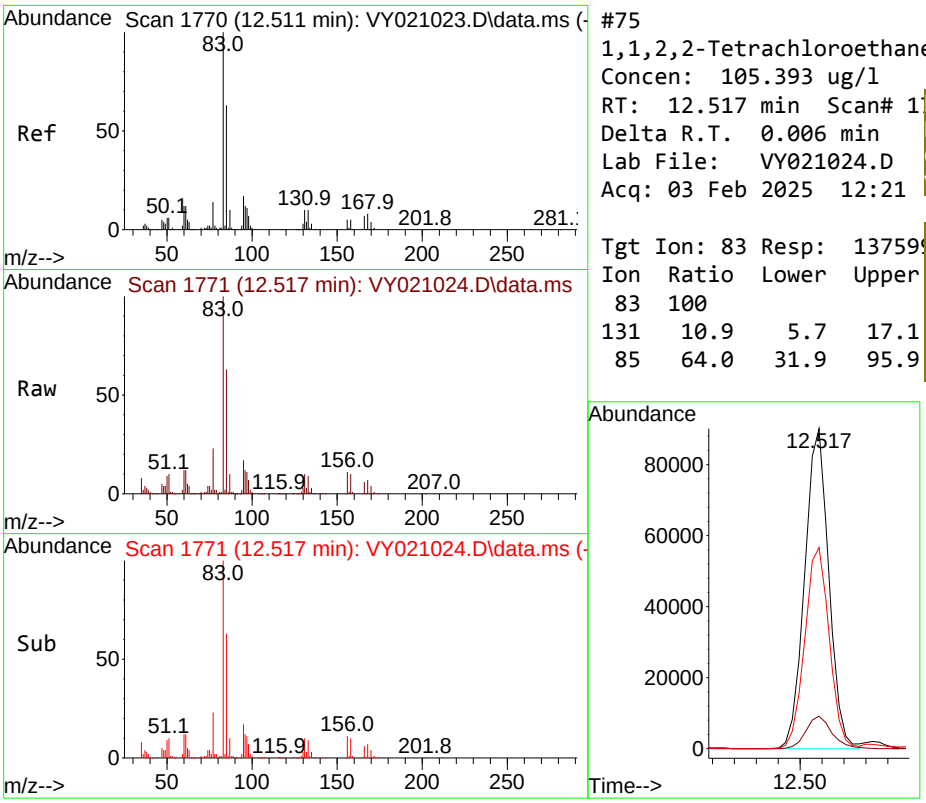


#74
N-amyl acetate
Concen: 133.629 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 196809

Ion	Ratio	Lower	Upper
43	100		
70	41.4	39.3	58.9
55	24.2	22.3	33.5
61	24.1	21.5	32.3





#75
1,1,2,2-Tetrachloroethane
Concen: 105.393 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 13759

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	64.0	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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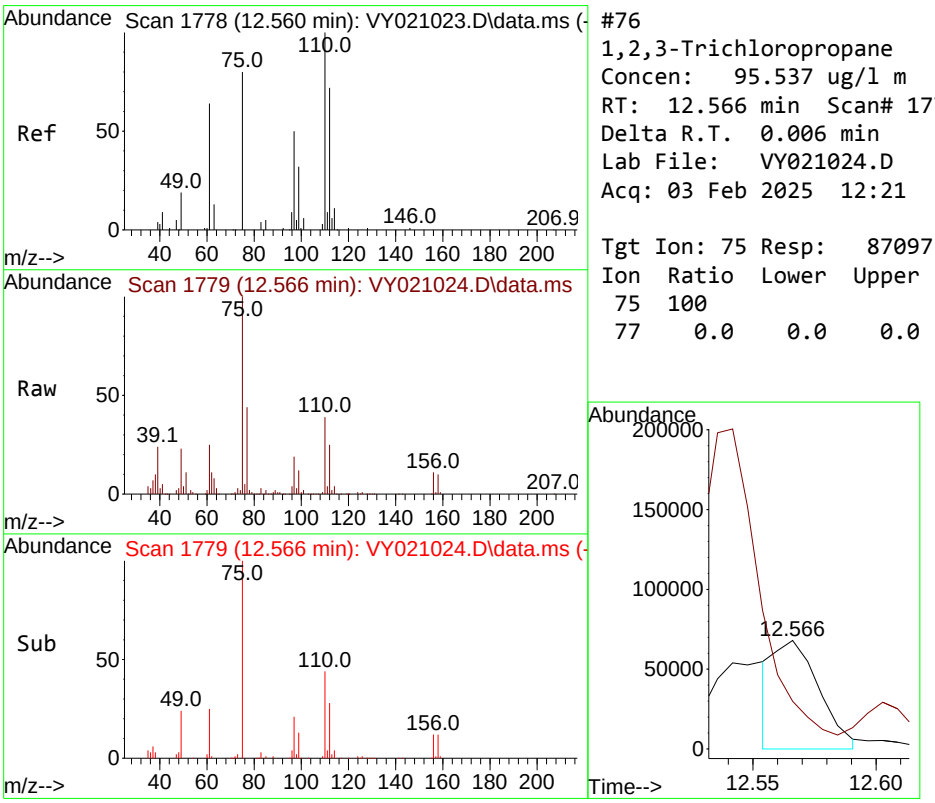
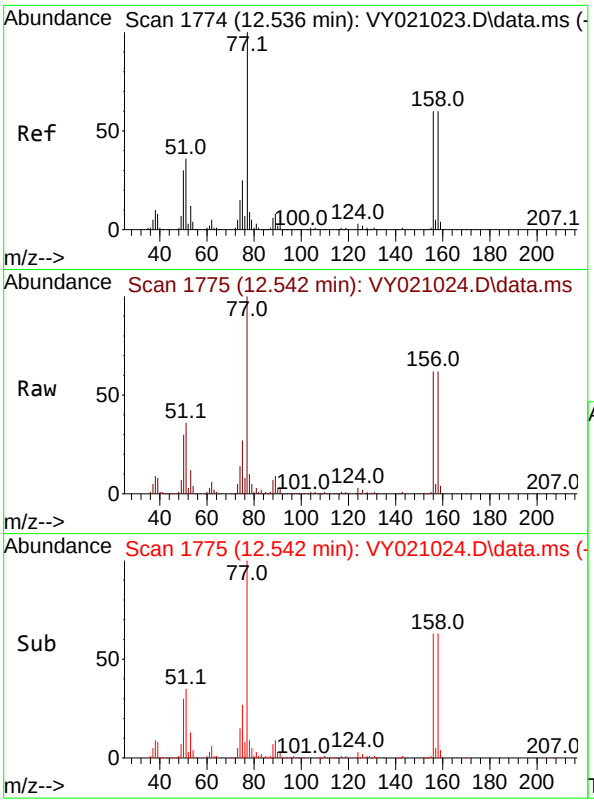


#76
1,2,3-Trichloropropane
Concen: 95.537 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 87097

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 103.627 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:156 Resp: 19871

Ion	Ratio	Lower	Upper
156	100		
77	179.5	83.3	249.9
158	98.1	48.3	144.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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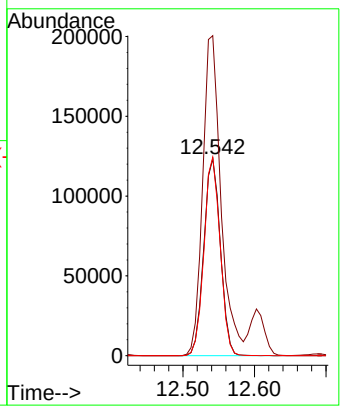
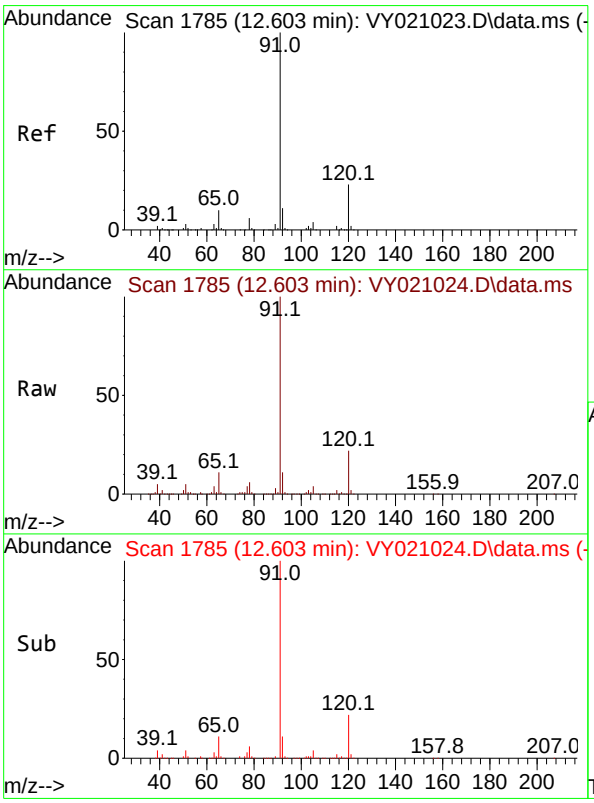
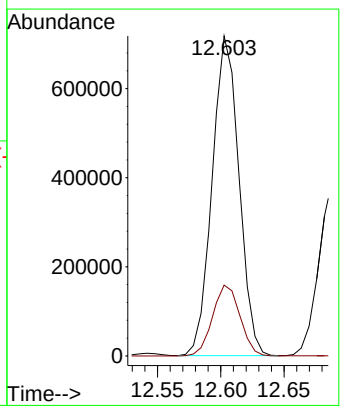


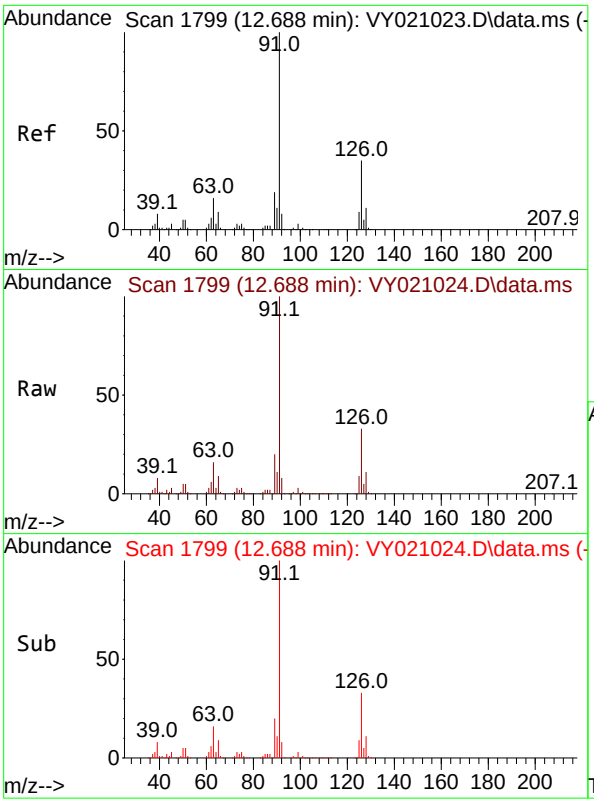


#78
n-propylbenzene
Concen: 111.529 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 1057216

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.8	35.4

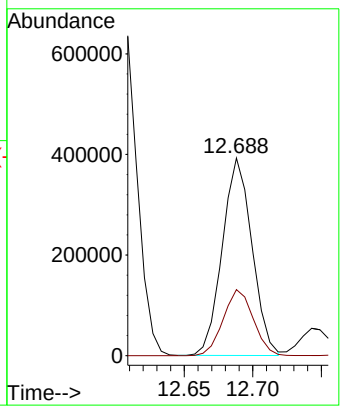




#79
2-Chlorotoluene
Concen: 109.632 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 59209

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	51.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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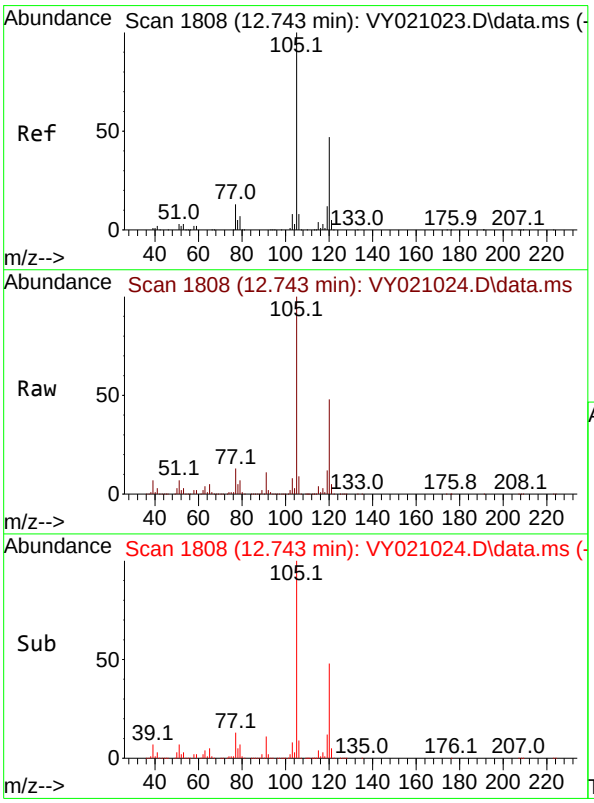
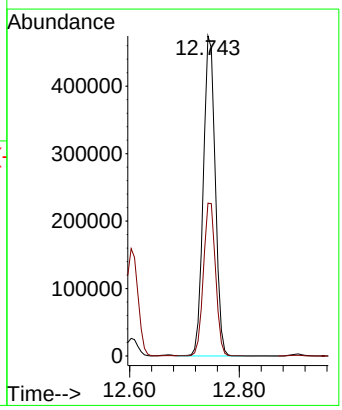
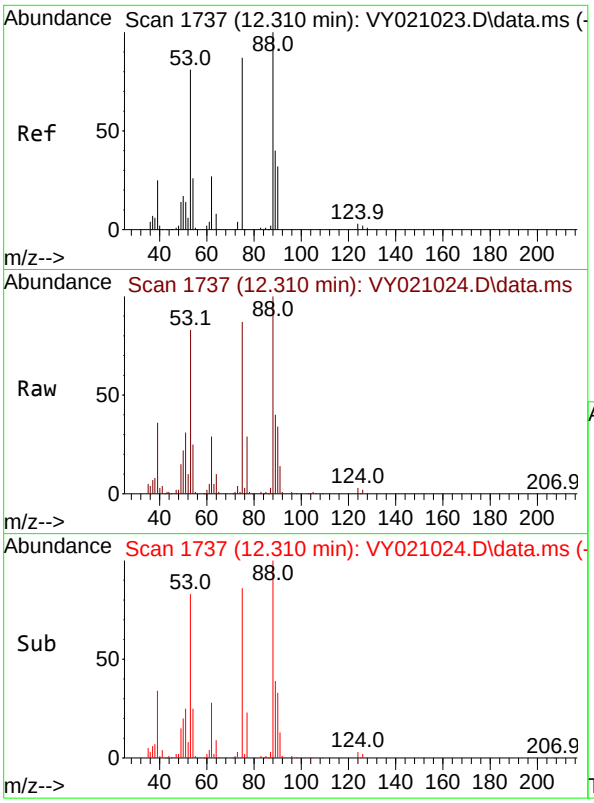


#80
1,3,5-Trimethylbenzene
Concen: 107.741 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 713935

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 108.944 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 4784

Ion	Ratio	Lower	Upper
75	100		
53	97.1	68.6	103.0
89	47.0	38.1	57.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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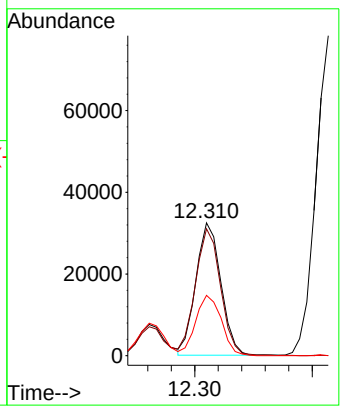
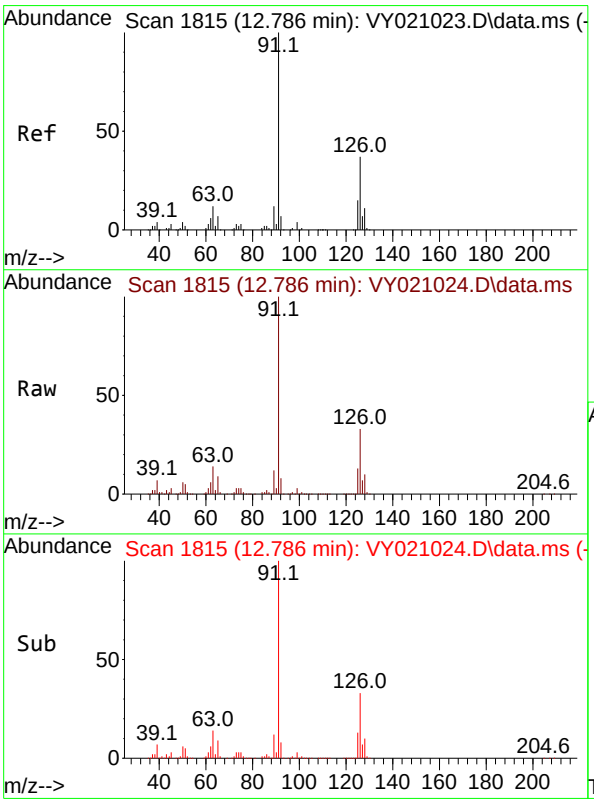
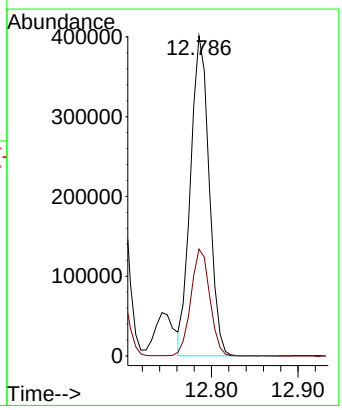


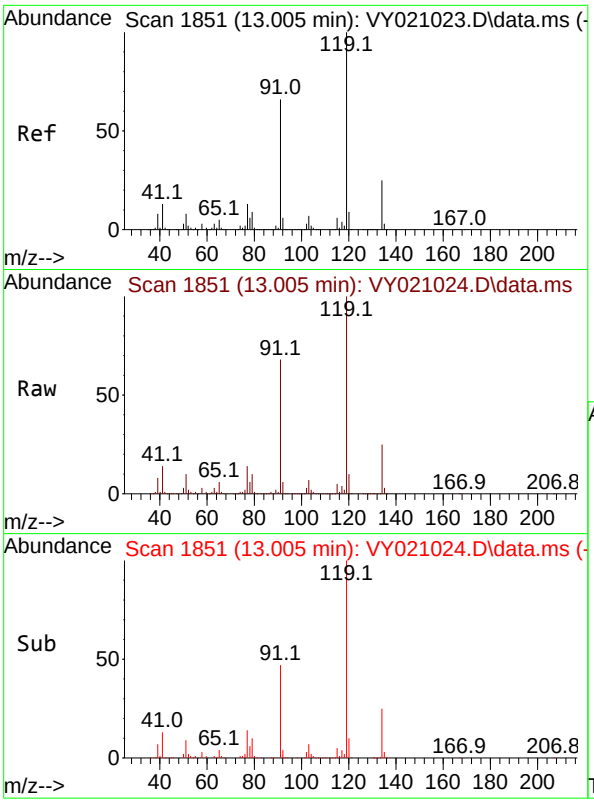


#82
4-Chlorotoluene
Concen: 108.014 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 597047

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0

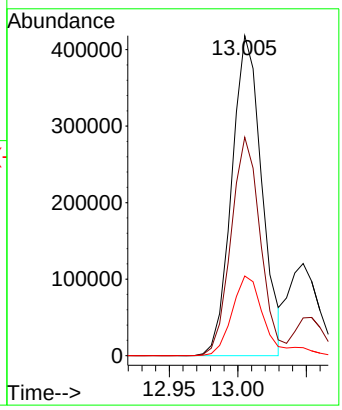




#83
tert-Butylbenzene
Concen: 103.933 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 63874

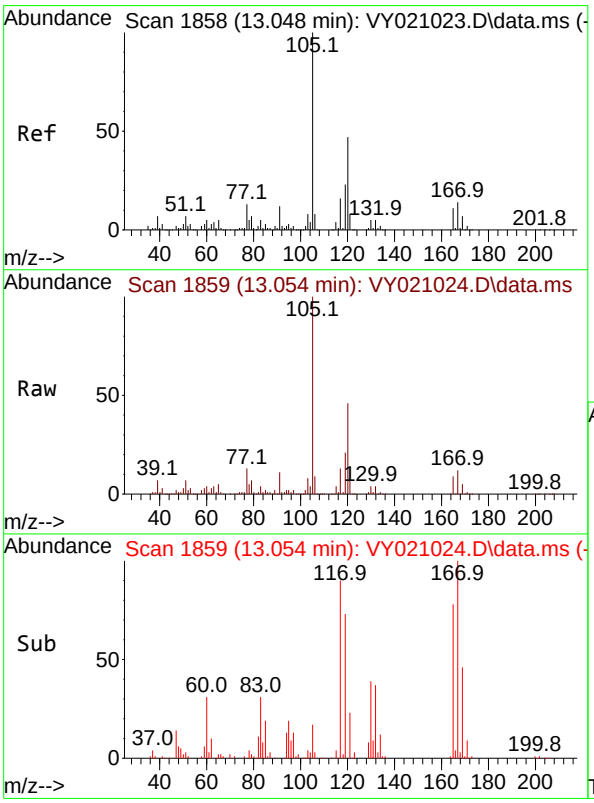
Ion	Ratio	Lower	Upper
119	100		
91	66.9	31.4	94.0
134	27.2	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

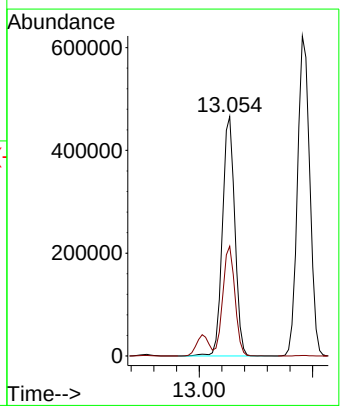
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

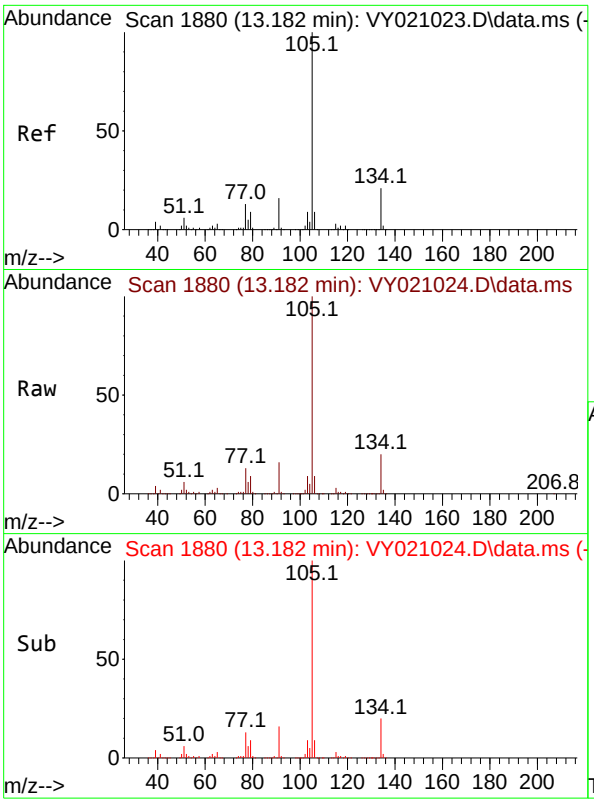


#84
1,2,4-Trimethylbenzene
Concen: 108.409 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 701716

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.0

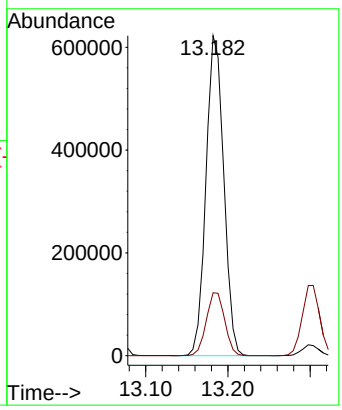




#85
sec-Butylbenzene
Concen: 107.093 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 93179

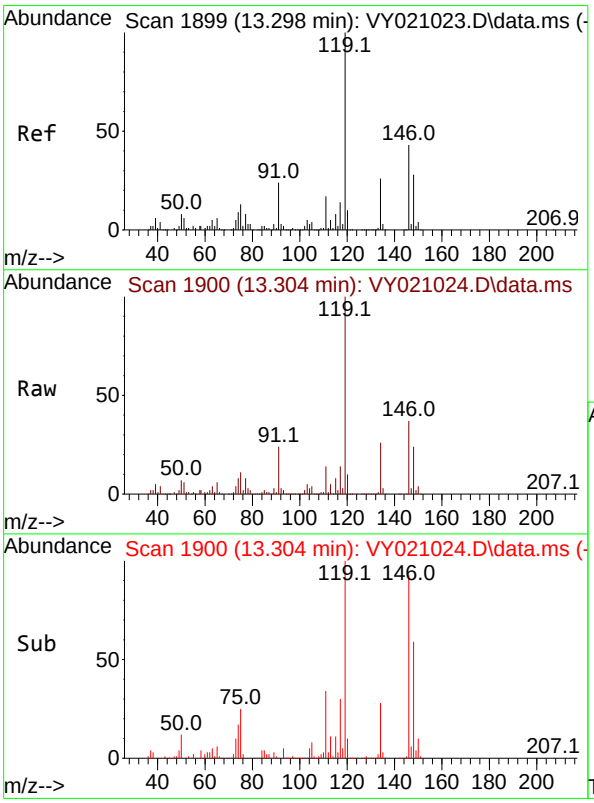
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

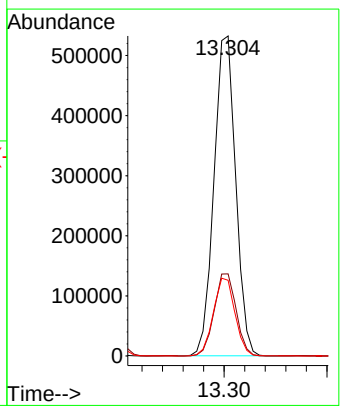
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

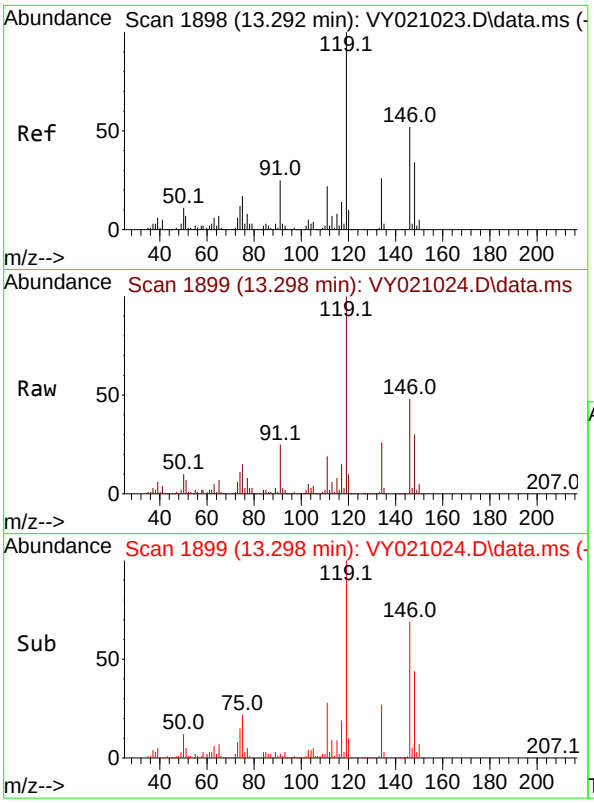


#86
p-Isopropyltoluene
Concen: 106.512 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 778814

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.2	11.5	34.5

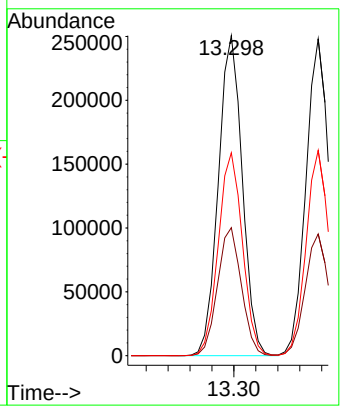




#87
1,3-Dichlorobenzene
Concen: 101.760 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 38048

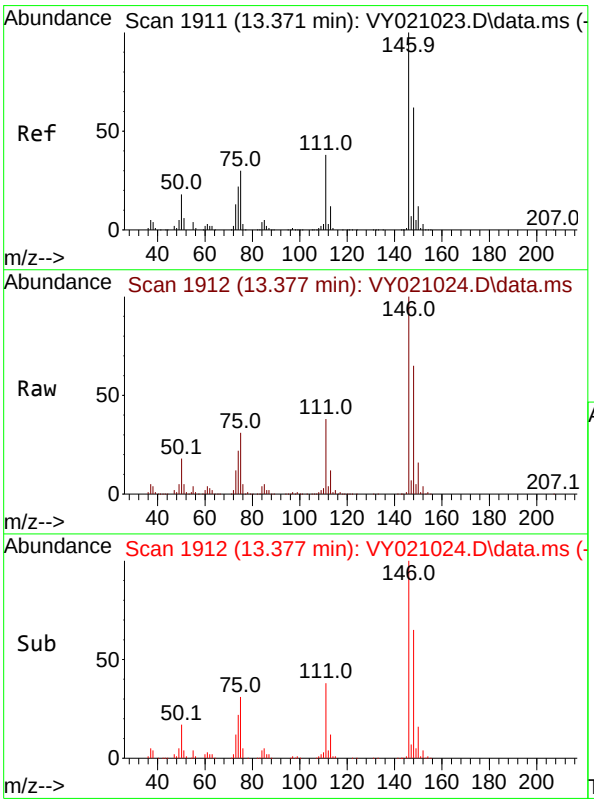
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

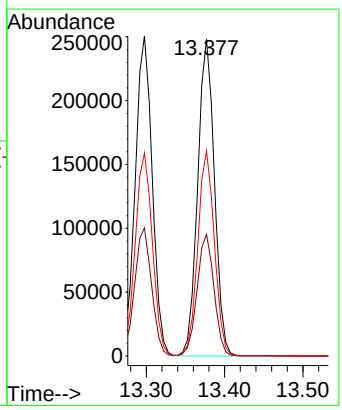
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

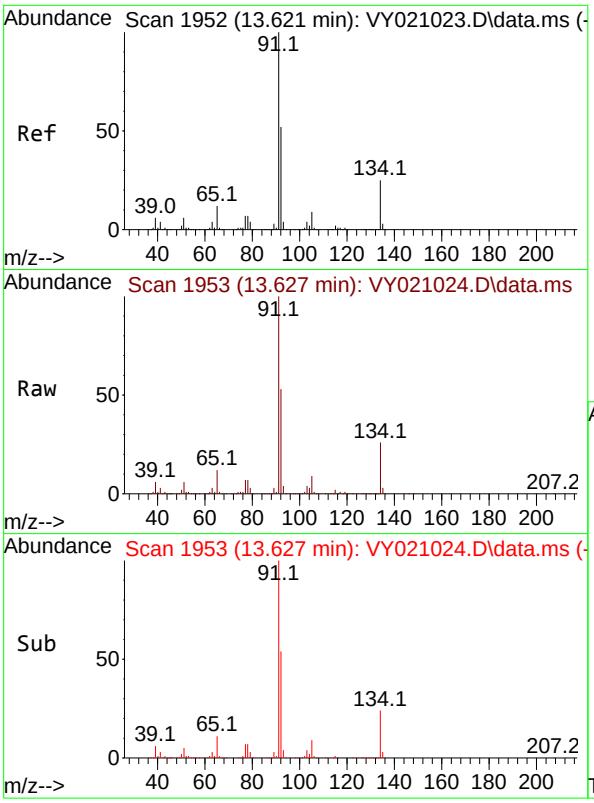


#88
1,4-Dichlorobenzene
Concen: 99.212 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 368361

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.0	31.6	95.0

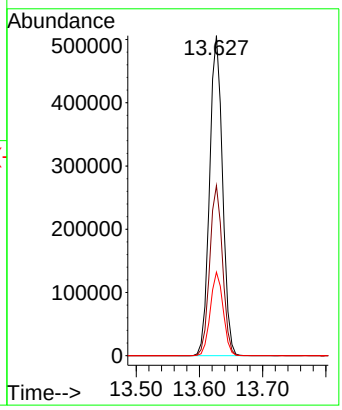




#89
n-Butylbenzene
Concen: 109.974 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 72025

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.7	80.1
134	25.9	13.7	41.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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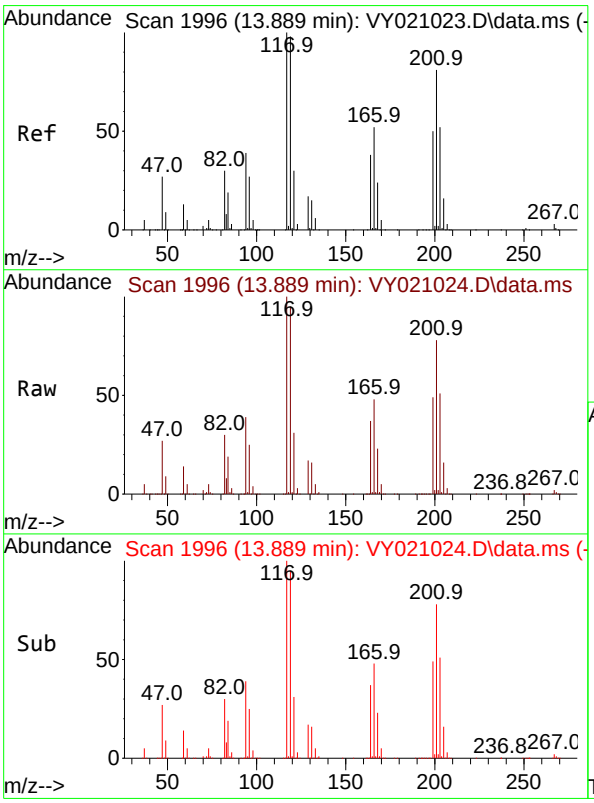
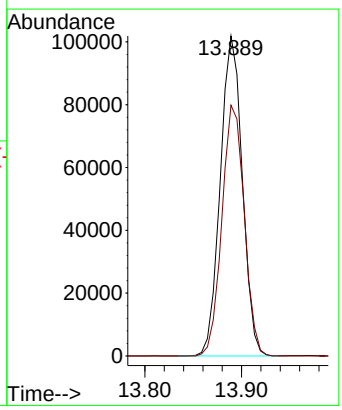
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

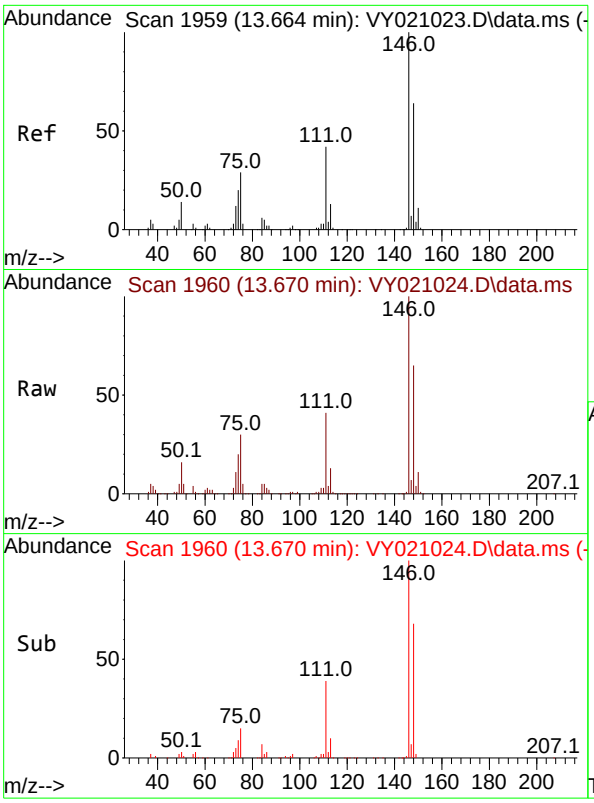


#90
Hexachloroethane
Concen: 108.782 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 160918

Ion	Ratio	Lower	Upper
117	100		
201	79.4	42.5	127.5

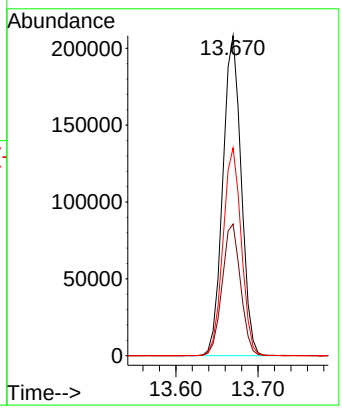




#91
1,2-Dichlorobenzene
Concen: 99.218 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 32350

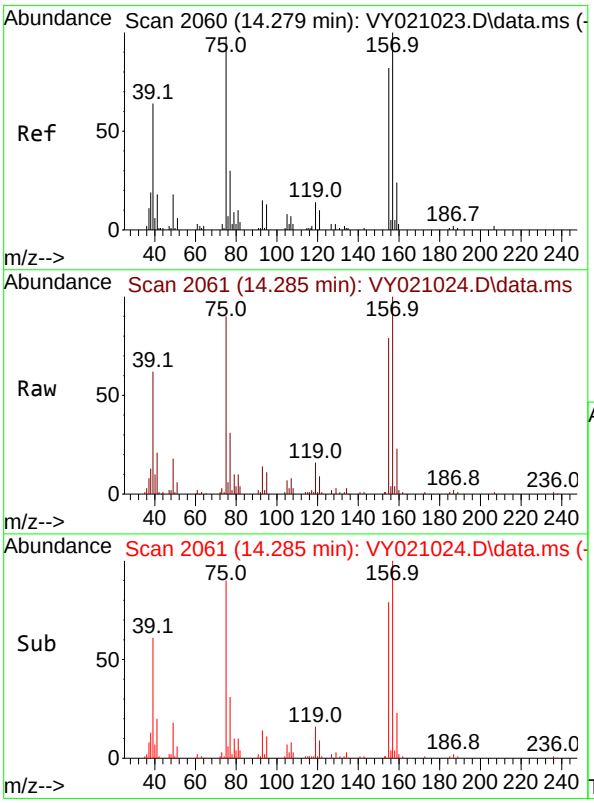
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	64.6	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

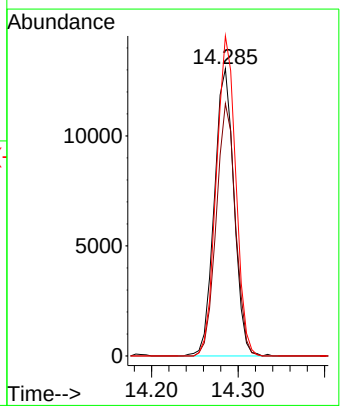
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

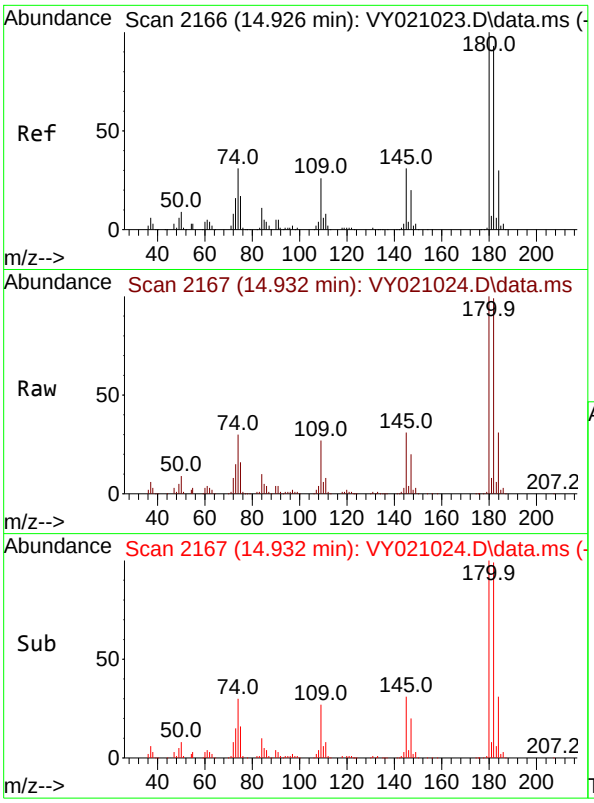


#92
1,2-Dibromo-3-Chloropropane
Concen: 102.253 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 20553

Ion	Ratio	Lower	Upper
75	100		
155	86.0	45.9	137.6
157	110.2	59.3	177.9





#93
1,2,4-Trichlorobenzene
Concen: 100.693 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

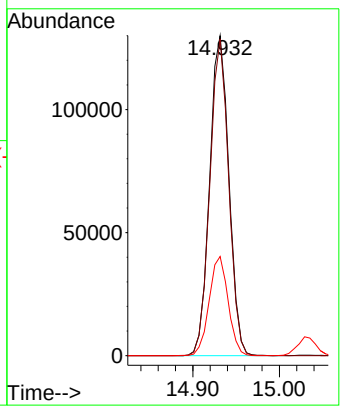
Tgt Ion:180 Resp: 20102

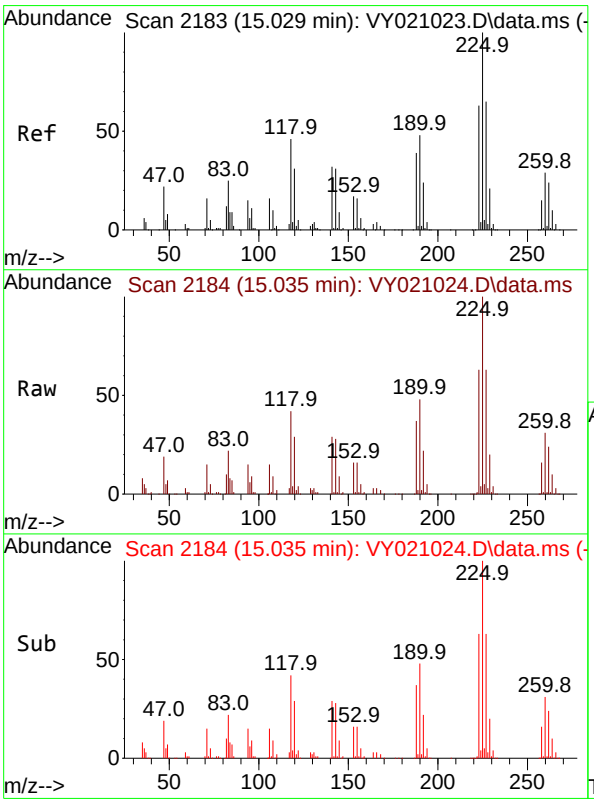
Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.8
145	30.6	15.3	45.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

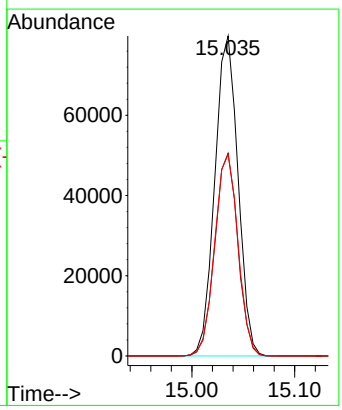


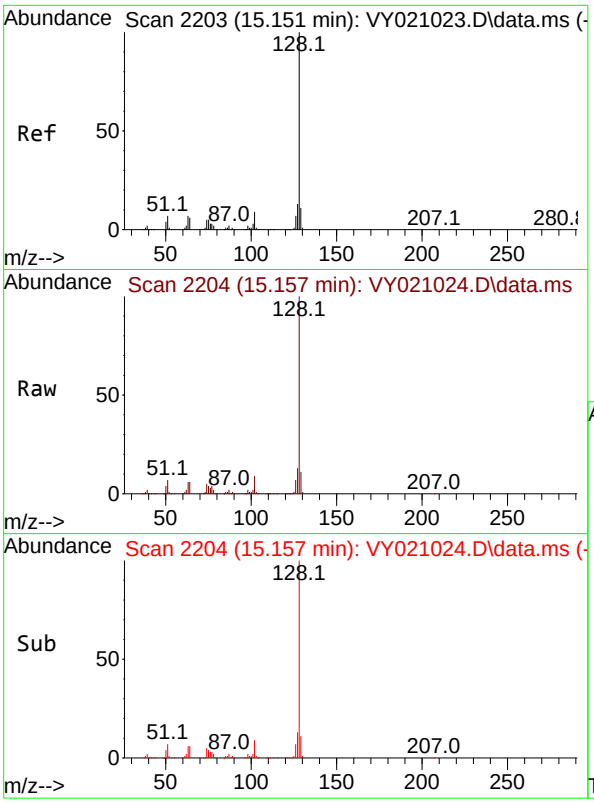


#94
Hexachlorobutadiene
Concen: 90.315 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:225 Resp: 124879

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.5	31.8	95.3

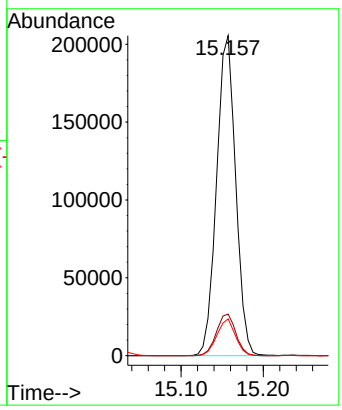




#95
Naphthalene
Concen: 103.361 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:128 Resp: 33164

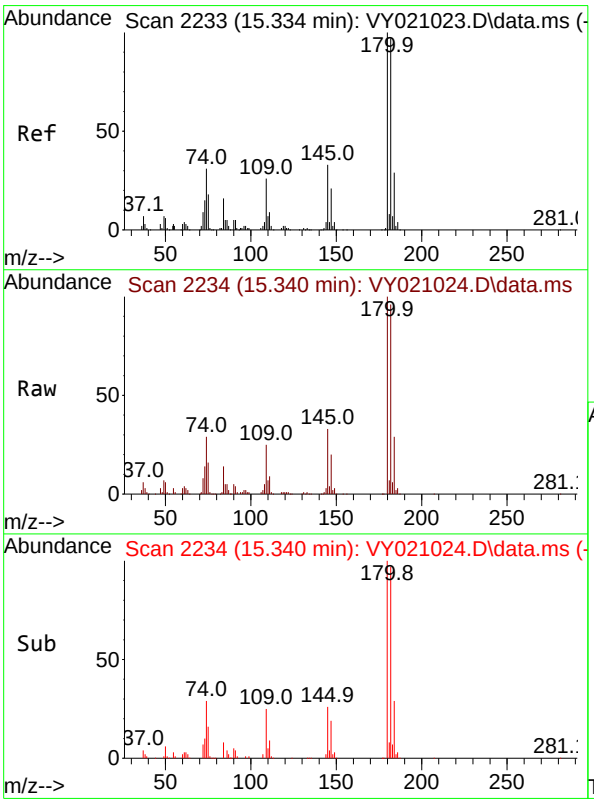
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.1	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

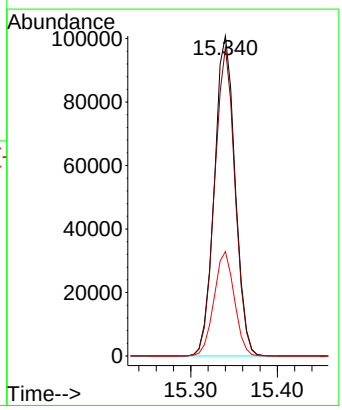
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 99.024 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:180 Resp: 167187

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.7	143.1
145	32.0	15.6	46.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	189855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	287697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	248527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	293662	145.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.680%#			
35) Dibromofluoromethane	7.640	113	287798	155.917	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.840%#			
50) Toluene-d8	10.109	98	1111573	156.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.280%#			
62) 4-Bromofluorobenzene	12.408	95	360358	162.912	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 325.820%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	260067	160.872	ug/l	97
3) Chloromethane	2.074	50	248885	87.825	ug/l	98
4) Vinyl Chloride	2.208	62	252501	75.880	ug/l	99
5) Bromomethane	2.592	94	146541	62.028	ug/l	99
6) Chloroethane	2.739	64	148751	70.352	ug/l	97
7) Trichlorofluoromethane	3.062	101	462994	129.223	ug/l	99
8) Diethyl Ether	3.458	74	147927	142.521	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	290713	133.999	ug/l	95
10) Methyl Iodide	4.013	142	352076	163.787	ug/l	94
11) Tert butyl alcohol	4.872	59	91037	651.581	ug/l	97
12) 1,1-Dichloroethene	3.799	96	283433	141.825	ug/l	94
13) Acrolein	3.659	56	152214	707.118	ug/l	98
14) Allyl chloride	4.391	41	481954	159.438	ug/l	96
15) Acrylonitrile	5.061	53	309767	696.889	ug/l	99
16) Acetone	3.873	43	237711	483.636	ug/l	96
17) Carbon Disulfide	4.116	76	886308	139.070	ug/l	100
18) Methyl Acetate	4.391	43	166019	134.682	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	720513	159.427	ug/l	99
20) Methylene Chloride	4.622	84	281630	109.728	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	306161	134.636	ug/l	94
22) Diisopropyl ether	6.025	45	955213	148.878	ug/l	97
23) Vinyl Acetate	5.970	43	2761423	786.547	ug/l	99
24) 1,1-Dichloroethane	5.921	63	563116	141.610	ug/l	98
25) 2-Butanone	6.902	43	395886	620.601	ug/l	99
26) 2,2-Dichloropropane	6.890	77	527500	153.065	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	356495	144.373	ug/l	94
28) Bromochloromethane	7.256	49	224174	131.225	ug/l	98
29) Tetrahydrofuran	7.268	42	263943	736.644	ug/l	96
30) Chloroform	7.427	83	572890	143.739	ug/l	98
31) Cyclohexane	7.707	56	485167	128.899	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	540513	151.377	ug/l	99
36) 1,1-Dichloropropene	7.841	75	423720	143.160	ug/l	99
37) Ethyl Acetate	6.988	43	186661	153.217	ug/l	99
38) Carbon Tetrachloride	7.823	117	501205	170.502	ug/l	99
39) Methylcyclohexane	9.115	83	542900	152.474	ug/l	98
40) Benzene	8.085	78	1239229	148.429	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	115234	185.120	ug/l		95
42) 1,2-Dichloroethane	8.164	62	340547	158.367	ug/l		97
43) Isopropyl Acetate	8.201	43	388966	175.917	ug/l	#	86
44) Trichloroethene	8.872	130	323716	150.703	ug/l		96
45) 1,2-Dichloropropane	9.146	63	294150	147.060	ug/l		100
46) Dibromomethane	9.237	93	161341	154.118	ug/l		95
47) Bromodichloromethane	9.426	83	437119	160.591	ug/l		98
48) Methyl methacrylate	9.225	41	187040	167.251	ug/l		94
49) 1,4-Dioxane	9.231	88	32704	3078.544	ug/l		94
51) 4-Methyl-2-Pentanone	10.006	43	965506	814.397	ug/l		98
52) Toluene	10.176	92	792134	155.591	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	416872	166.270	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	483429	158.232	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	209006	146.925	ug/l		99
56) Ethyl methacrylate	10.444	69	313458	200.500	ug/l		93
57) 1,3-Dichloropropane	10.725	76	365553	149.005	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	721923	788.766	ug/l		100
59) 2-Hexanone	10.762	43	642448	763.675	ug/l		98
60) Dibromochloromethane	10.914	129	298751	175.351	ug/l		98
61) 1,2-Dibromoethane	11.018	107	200840	153.273	ug/l		99
64) Tetrachloroethene	10.652	164	288752	156.856	ug/l		96
65) Chlorobenzene	11.444	112	854481	161.190	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	303176	159.942	ug/l		97
67) Ethyl Benzene	11.524	91	1560654	161.195	ug/l		100
68) m/p-Xylenes	11.633	106	1152452	314.841	ug/l		97
69) o-Xylene	11.963	106	543425	163.662	ug/l		97
70) Styrene	11.975	104	900989	172.776	ug/l		97
71) Bromoform	12.139	173	170929	181.883	ug/l	#	97
73) Isopropylbenzene	12.261	105	1439642	154.780	ug/l		100
74) N-amyl acetate	12.072	43	337562	180.383	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	229575	139.062	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	166289m	149.965	ug/l		
77) Bromobenzene	12.536	156	330230	166.838	ug/l		92
78) n-propylbenzene	12.603	91	1706799	149.261	ug/l		99
79) 2-Chlorotoluene	12.688	91	961670	153.047	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	1146647	156.334	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	84506	165.703	ug/l		98
82) 4-Chlorotoluene	12.786	91	973177	151.120	ug/l		99
83) tert-Butylbenzene	13.005	119	1067144	164.670	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	1138490	157.248	ug/l		100
85) sec-Butylbenzene	13.182	105	1490237	152.184	ug/l		98
86) p-Isopropyltoluene	13.298	119	1267584	159.829	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	615944	153.896	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	600370	153.567	ug/l		99
89) n-Butylbenzene	13.621	91	1172760	153.276	ug/l		98
90) Hexachloroethane	13.883	117	264877	160.566	ug/l		86
91) 1,2-Dichlorobenzene	13.663	146	529143	159.648	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	36737	173.904	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	338957	199.568	ug/l		98
94) Hexachlorobutadiene	15.029	225	204211	192.252	ug/l		99
95) Naphthalene	15.151	128	581994	199.946	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	280907	197.311	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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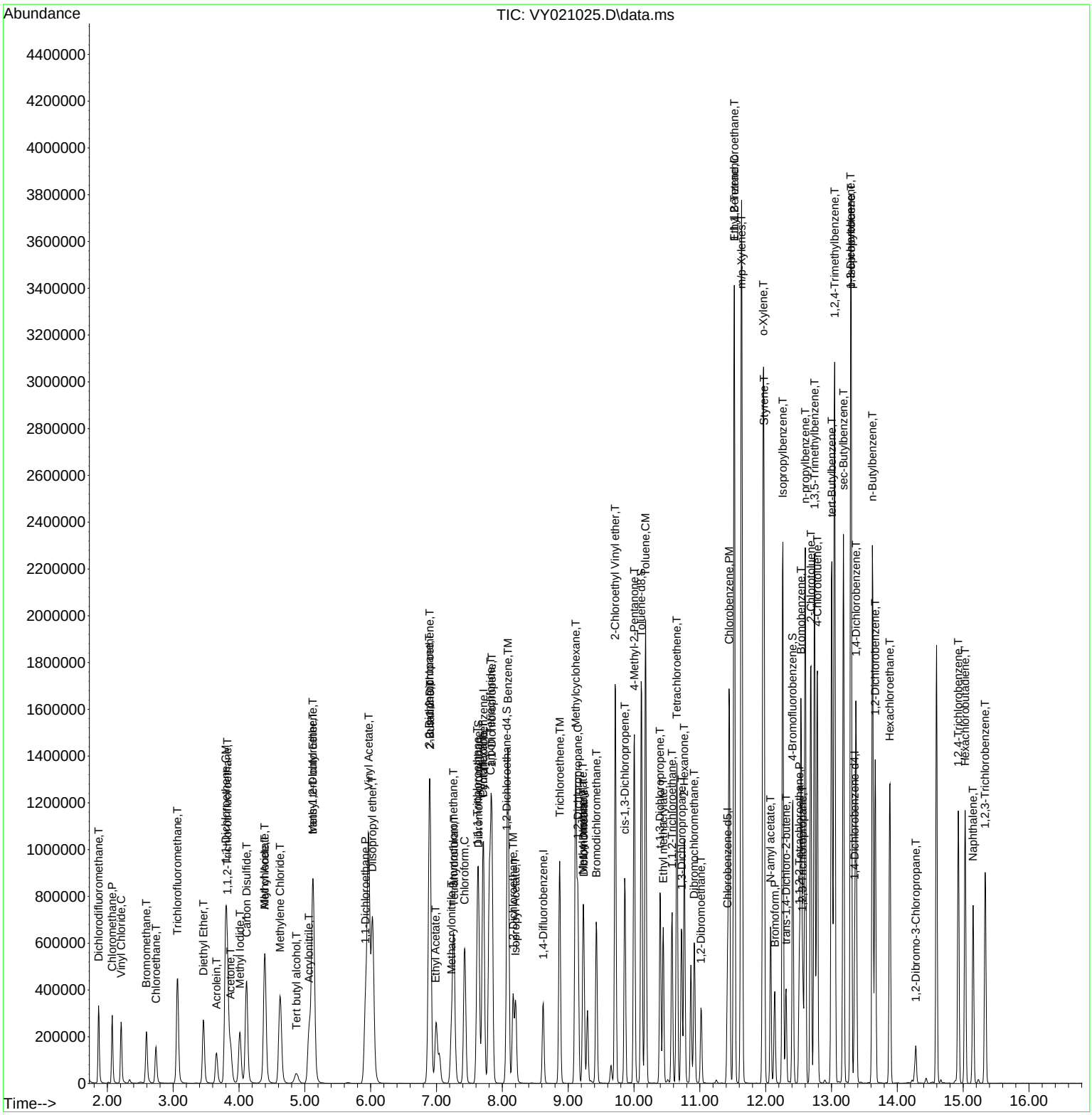

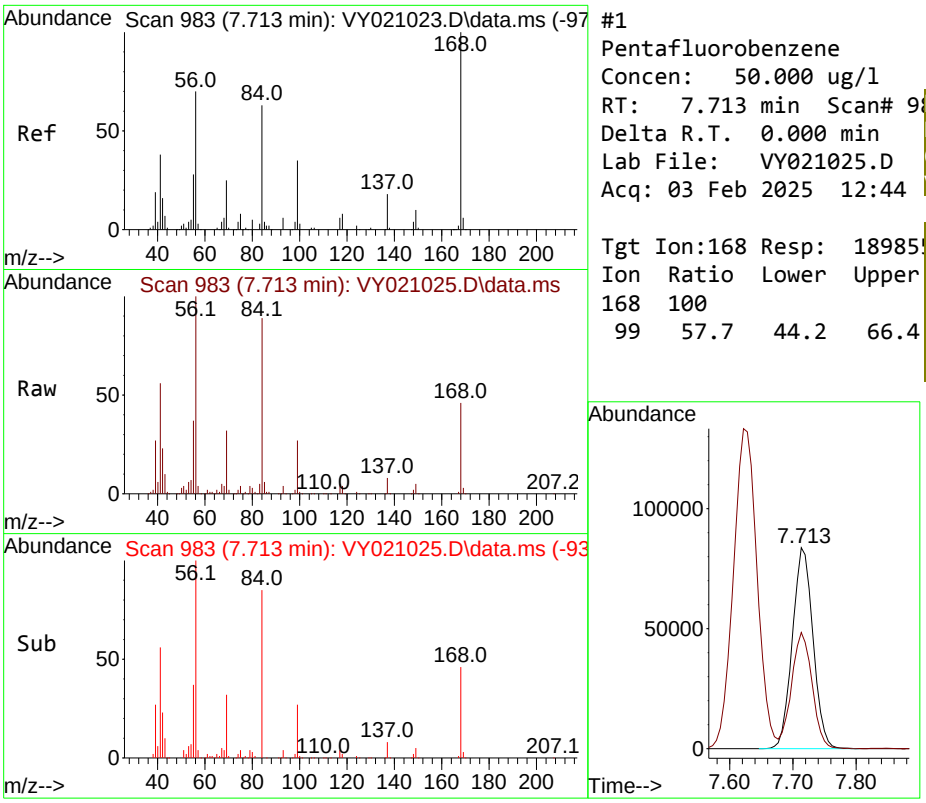

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:168 Resp: 18985

Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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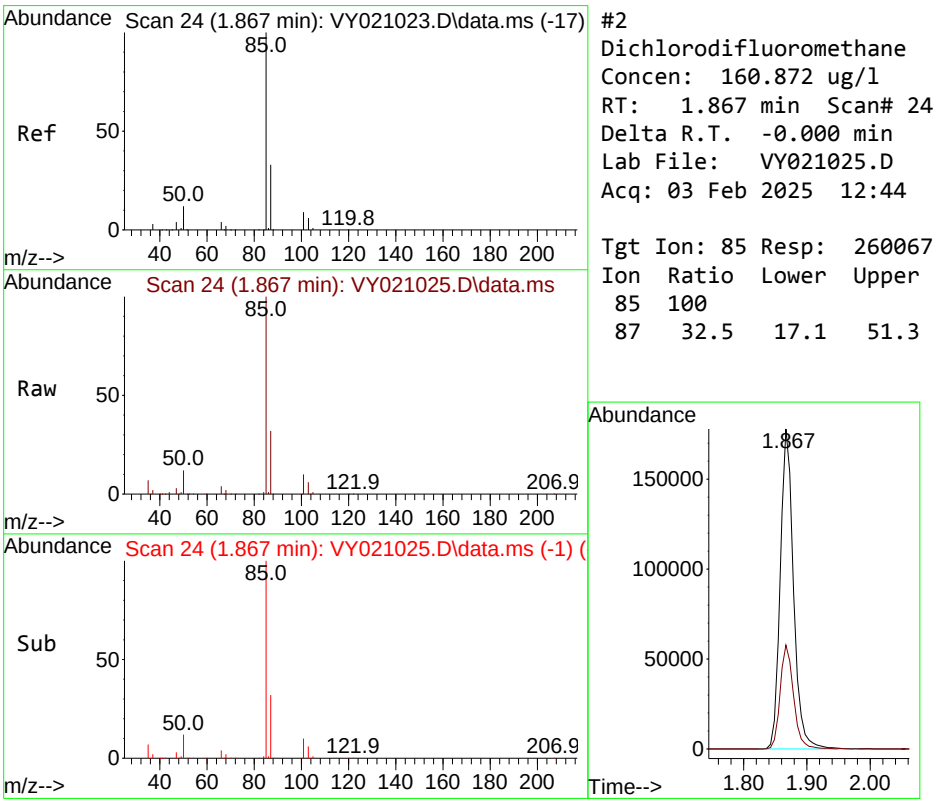
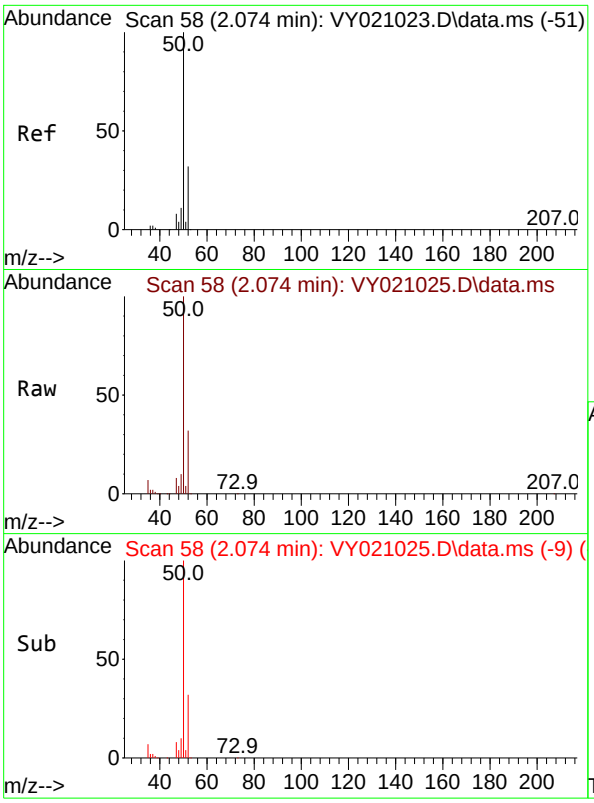


#2
Dichlorodifluoromethane
Concen: 160.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 85 Resp: 260067

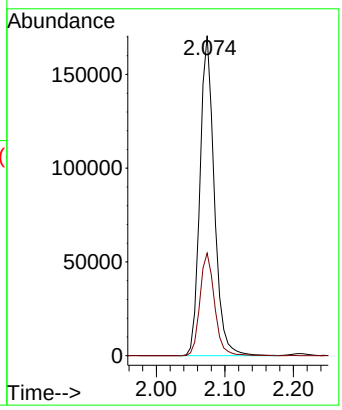
Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.3



#3
Chloromethane
Concen: 87.825 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 50 Resp: 24888

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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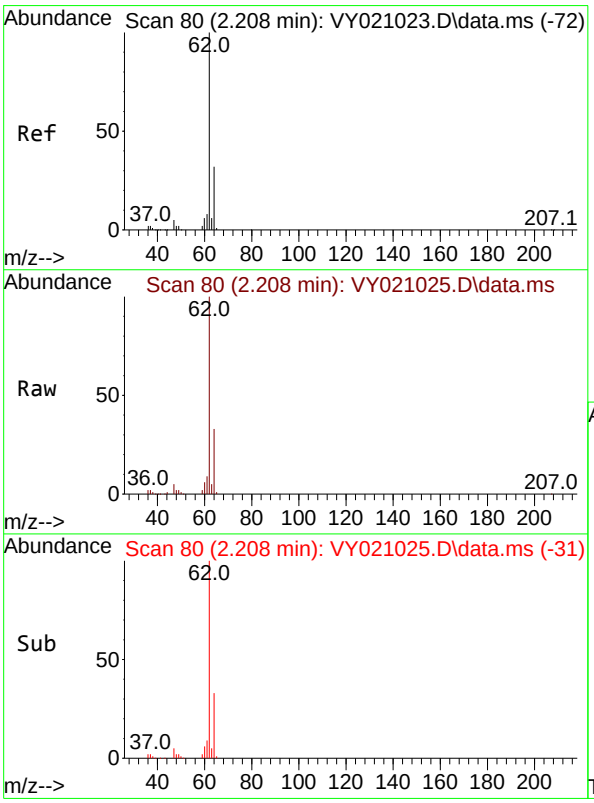
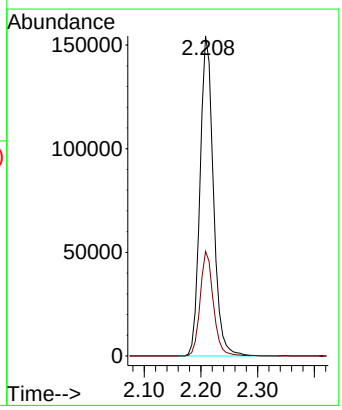
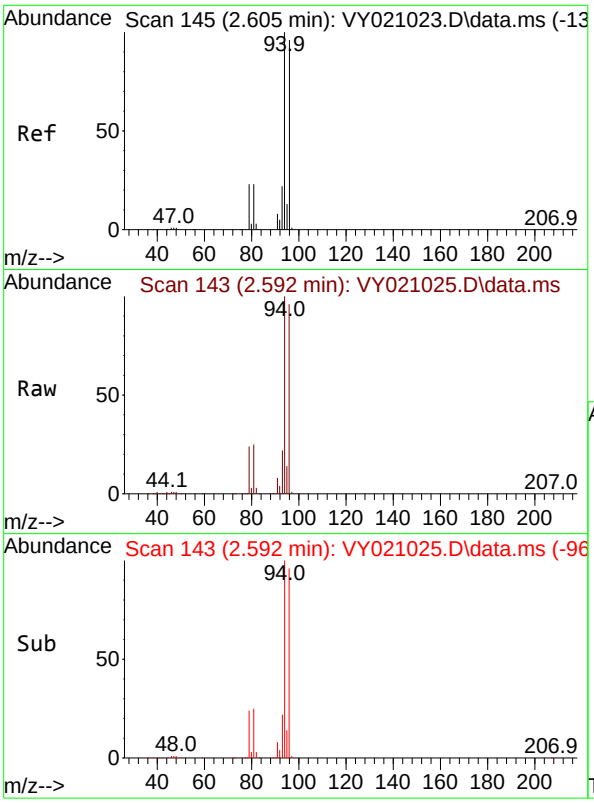


#4
Vinyl Chloride
Concen: 75.880 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 252501

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.7	38.5





#5
Bromomethane
Concen: 62.028 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 94 Resp: 14654

Ion	Ratio	Lower	Upper
94	100		
96	96.1	77.3	115.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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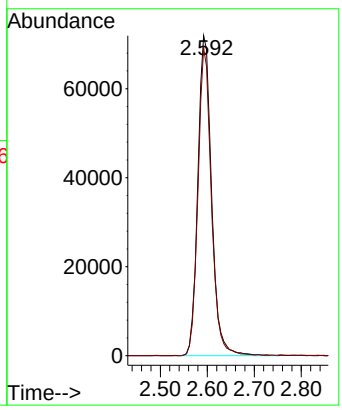
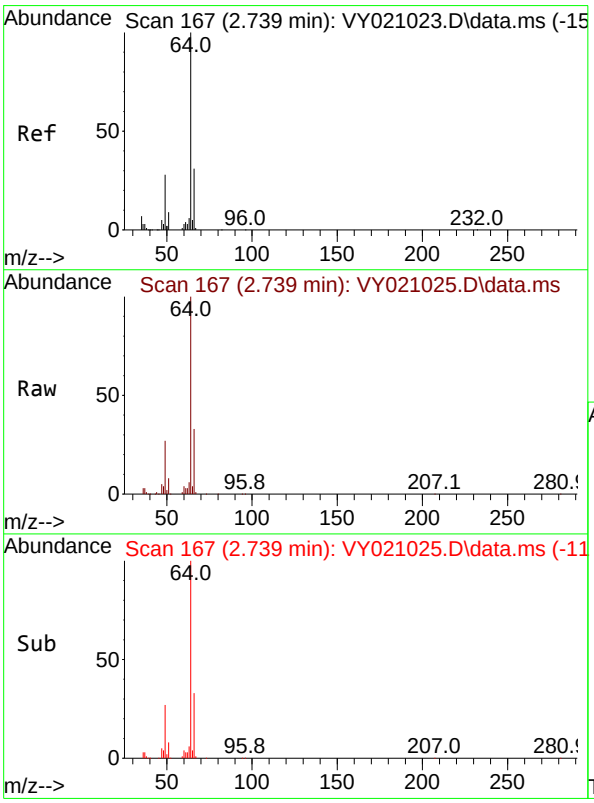
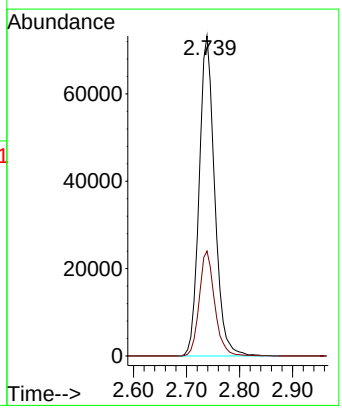


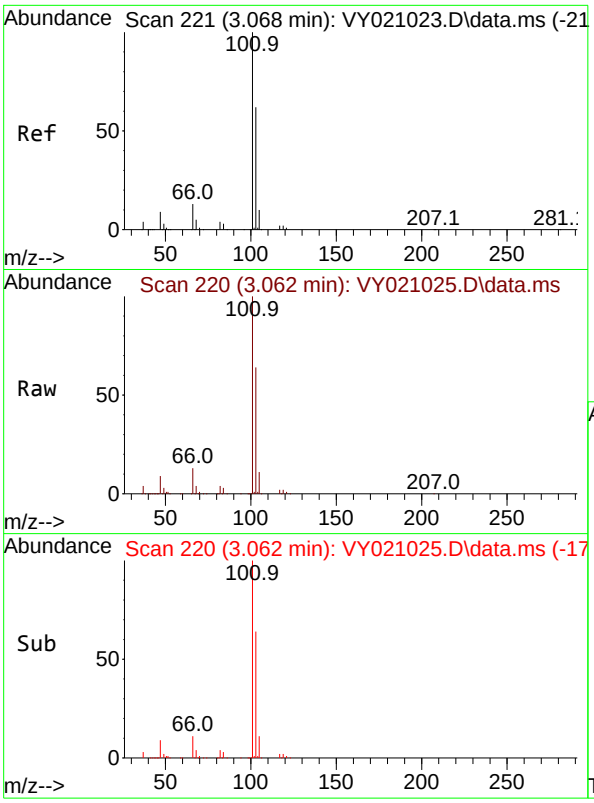


#6
Chloroethane
Concen: 70.352 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 64 Resp: 148751

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.1	37.7

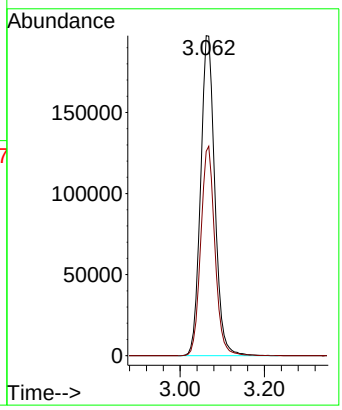




#7
Trichlorofluoromethane
Concen: 129.223 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:101 Resp: 46299

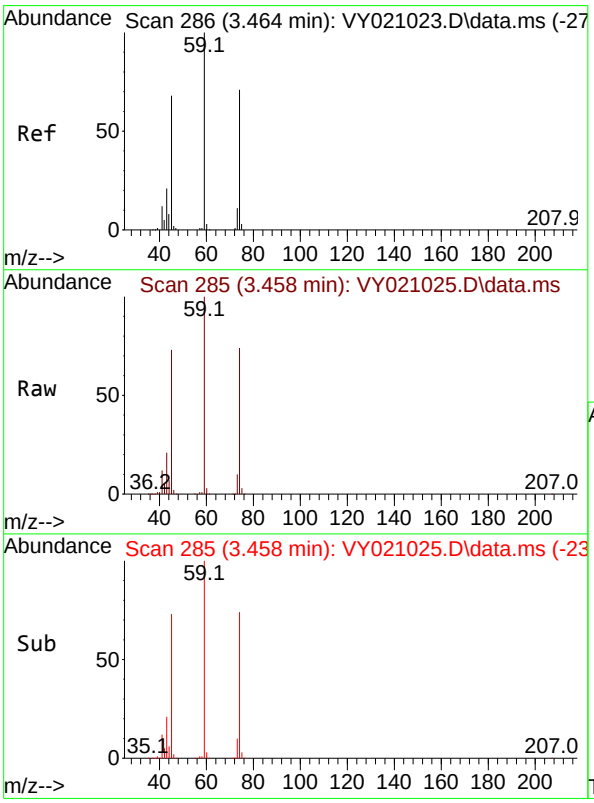
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

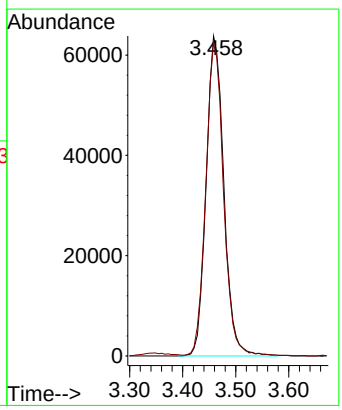
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

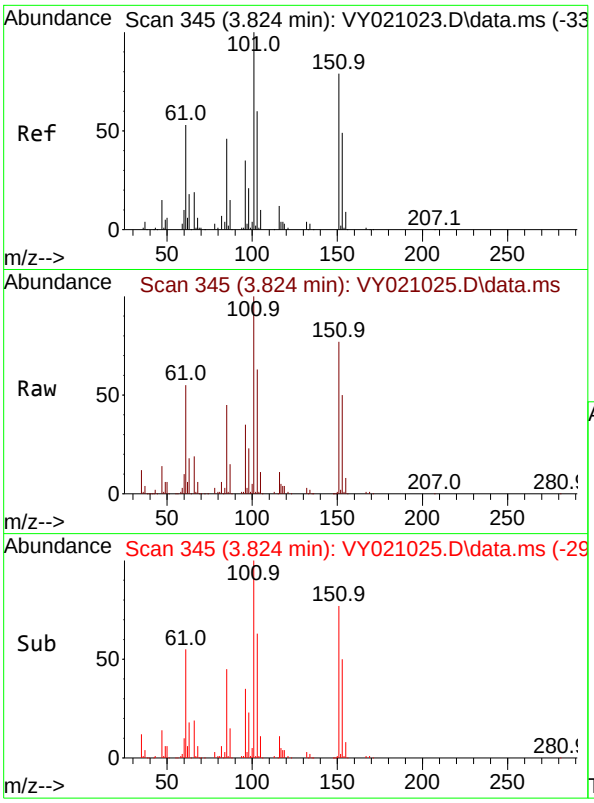


#8
Diethyl Ether
Concen: 142.521 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 74 Resp: 147927

Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 133.999 ug/l
RT: 3.824 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:101 Resp: 29071

Ion	Ratio	Lower	Upper
101	100		
85	45.6	35.8	53.6
151	78.9	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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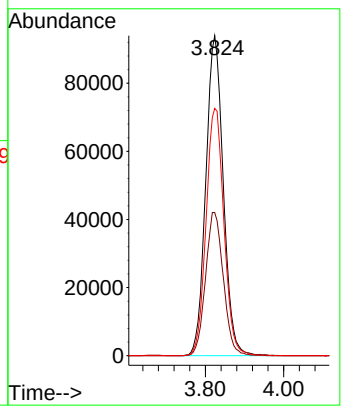
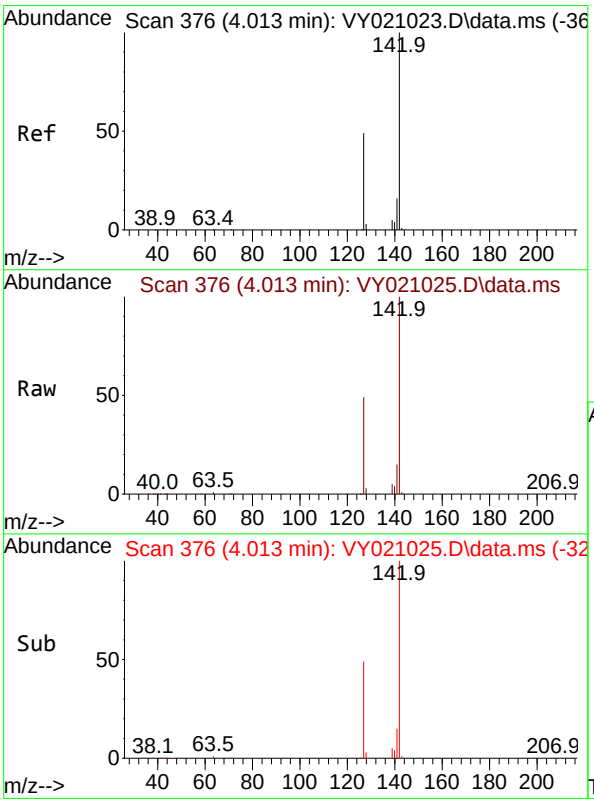
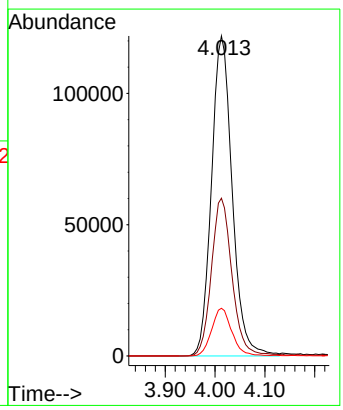


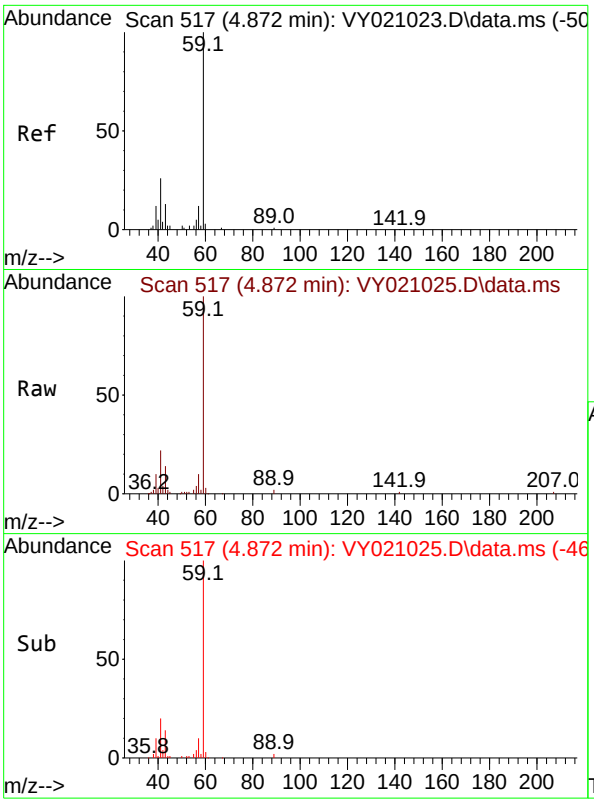


#10
Methyl Iodide
Concen: 163.787 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:142 Resp: 352076

Ion	Ratio	Lower	Upper
142	100		
127	49.2	35.1	52.7
141	14.5	11.8	17.6

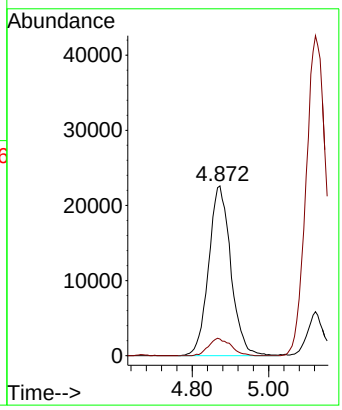




#11
Tert butyl alcohol
Concen: 651.581 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 59 Resp: 9103

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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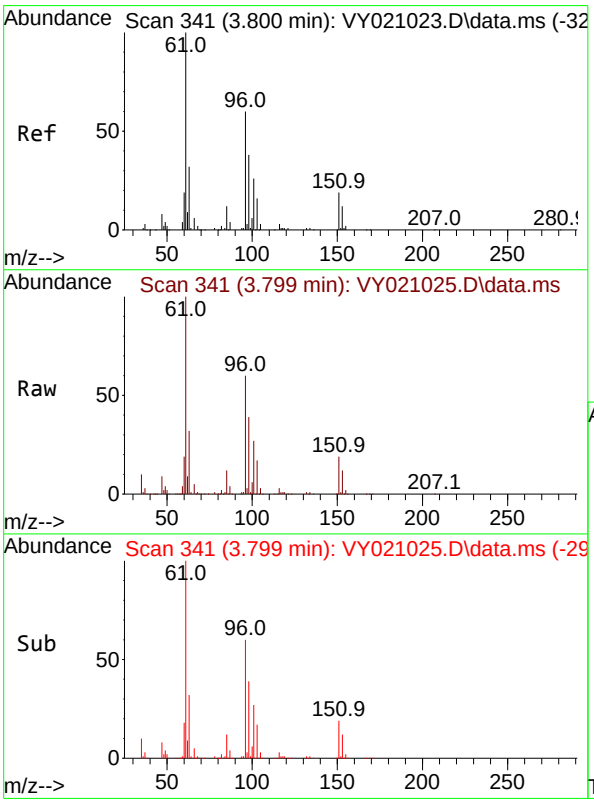
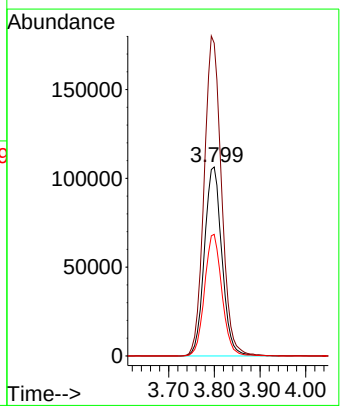
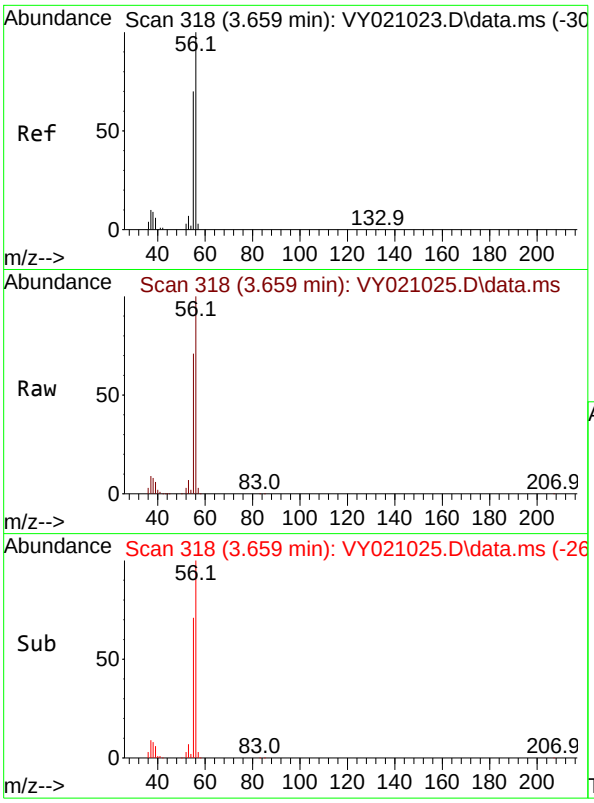


#12
1,1-Dichloroethene
Concen: 141.825 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 283433

Ion	Ratio	Lower	Upper
96	100		
61	165.5	124.2	186.2
98	64.4	52.6	79.0

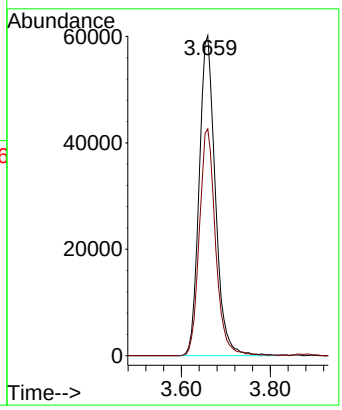




#13
Acrolein
Concen: 707.118 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 56 Resp: 15221

Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
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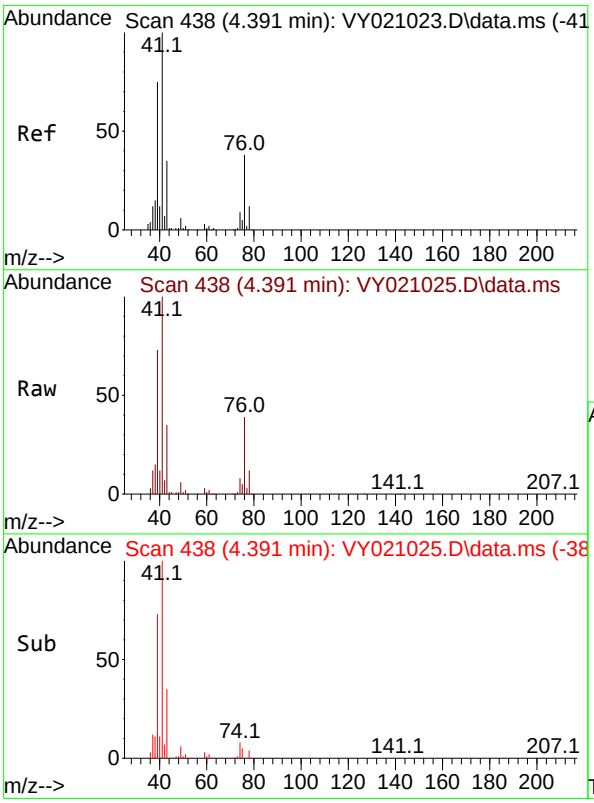
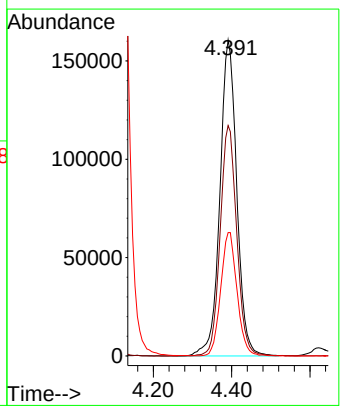
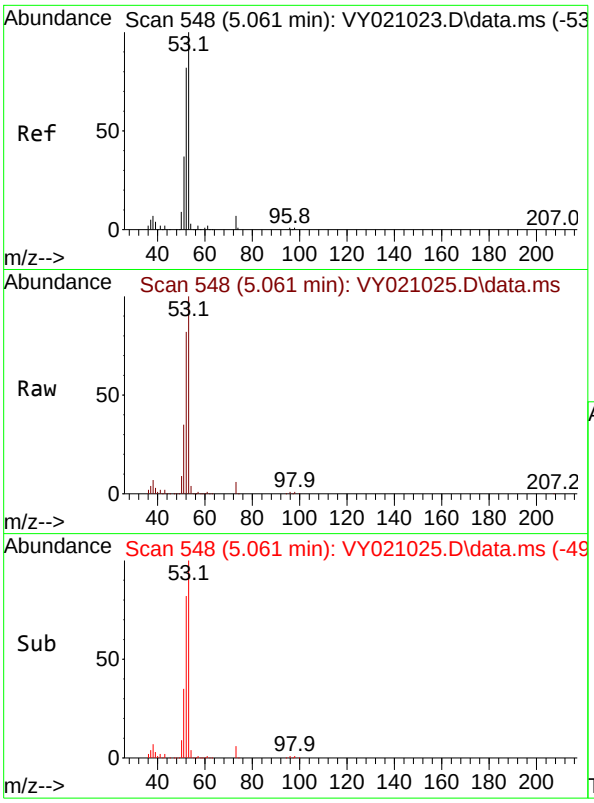


#14
Allyl chloride
Concen: 159.438 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 481954

Ion	Ratio	Lower	Upper
41	100		
39	71.7	54.7	82.1
76	37.7	31.8	47.6





#15
Acrylonitrile
Concen: 696.889 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 53 Resp: 30976

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.1	97.7
51	37.1	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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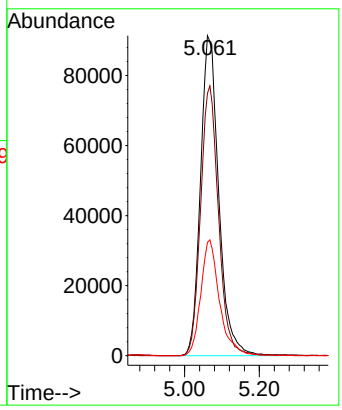
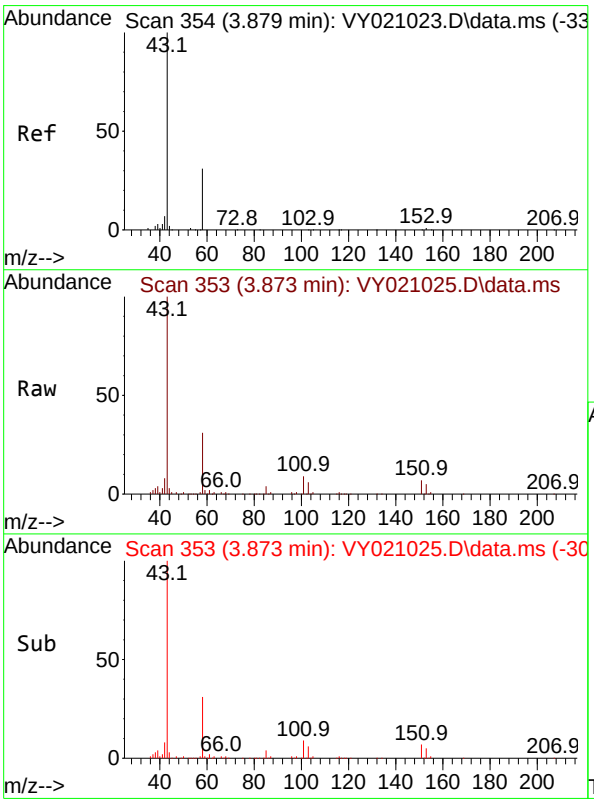
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

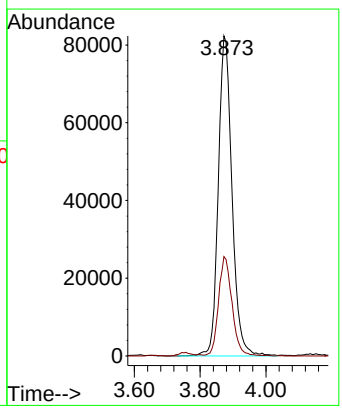


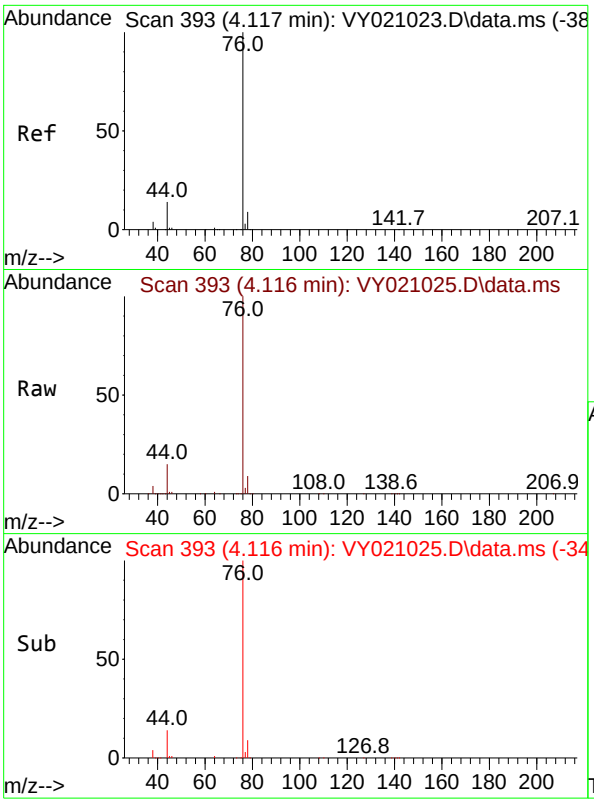


#16
Acetone
Concen: 483.636 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 237711

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.6	39.8





#17
Carbon Disulfide
Concen: 139.070 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 76 Resp: 88630

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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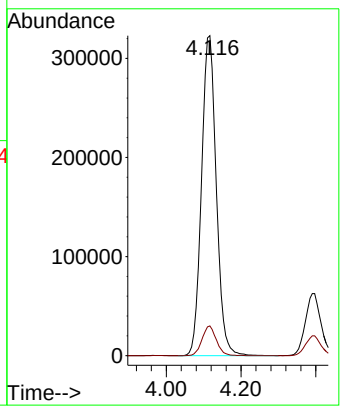
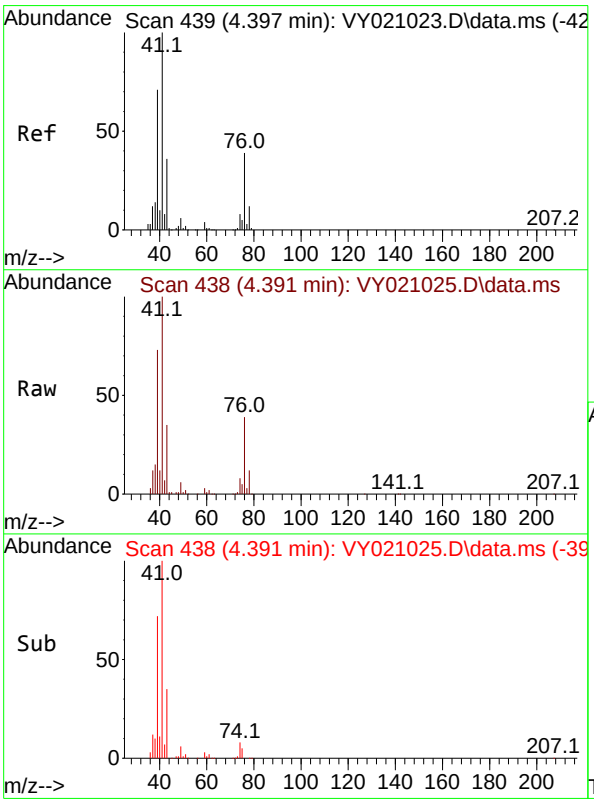
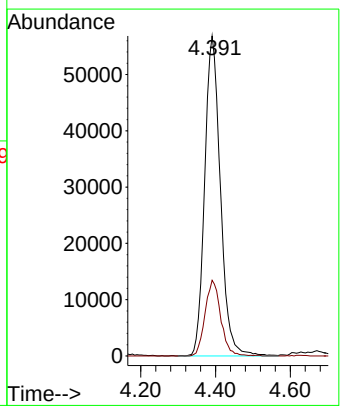


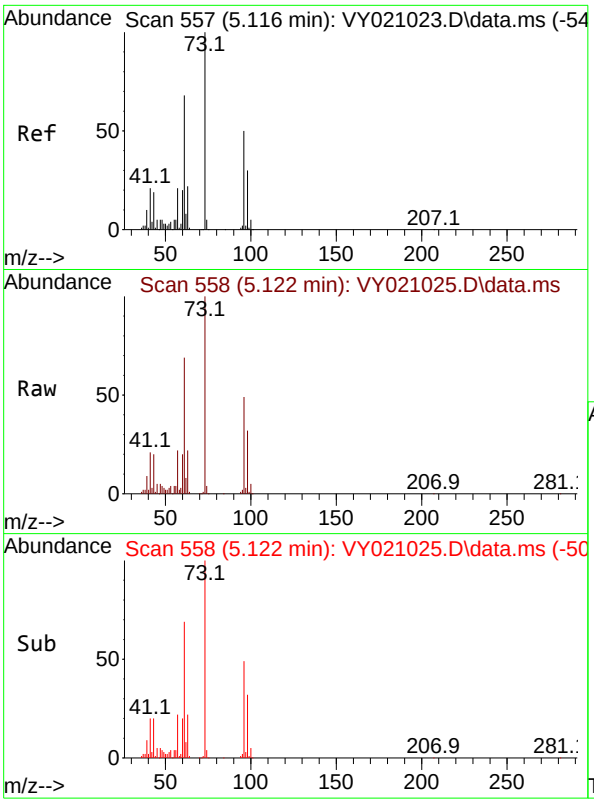


#18
Methyl Acetate
Concen: 134.682 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 166019

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6

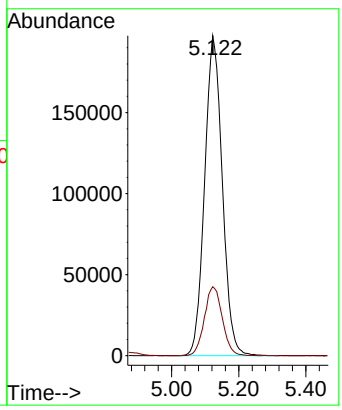




#19
Methyl tert-butyl Ether
Concen: 159.427 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 73 Resp: 72051

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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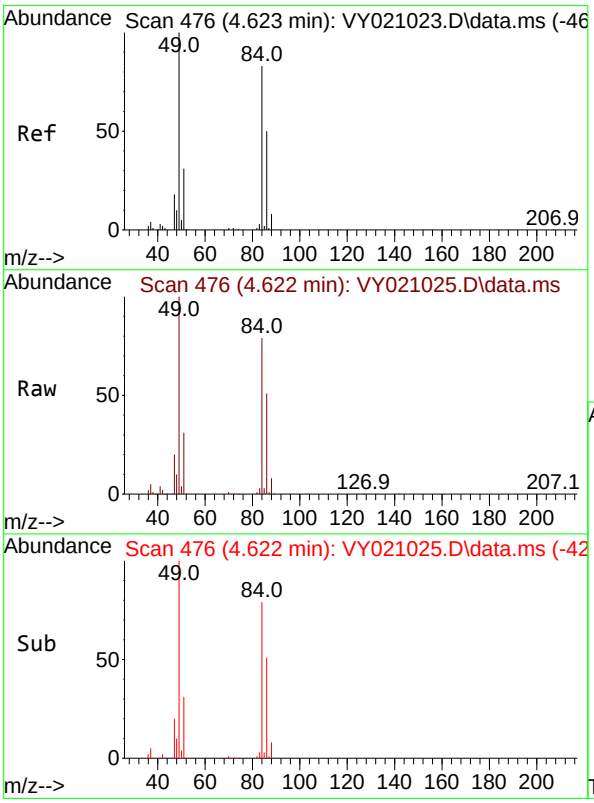
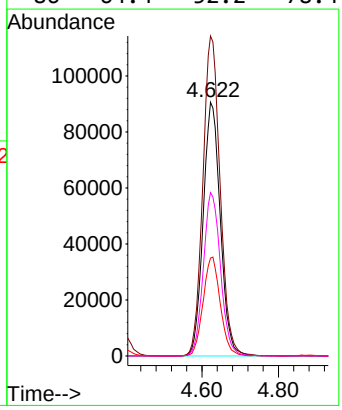
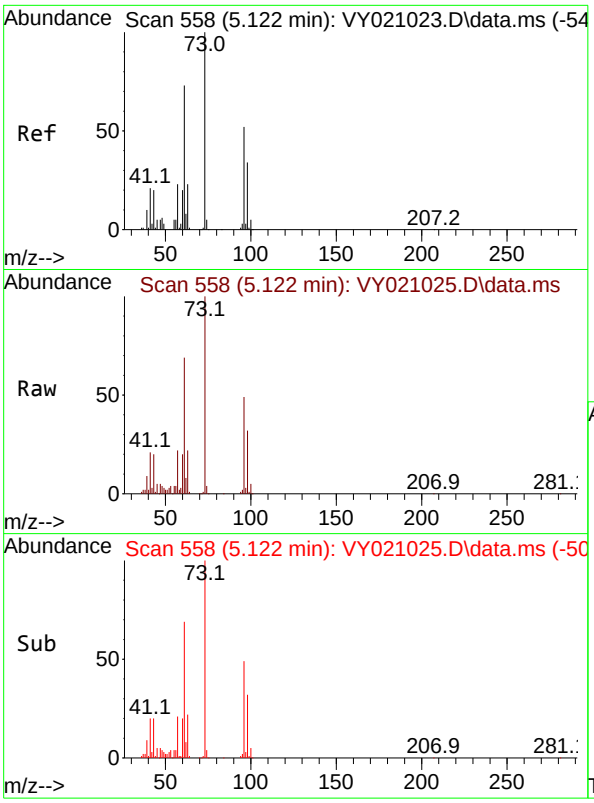


#20
Methylene Chloride
Concen: 109.728 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 84 Resp: 281630

Ion	Ratio	Lower	Upper
84	100		
49	126.1	95.2	142.8
51	38.6	29.9	44.9
86	64.4	52.2	78.4

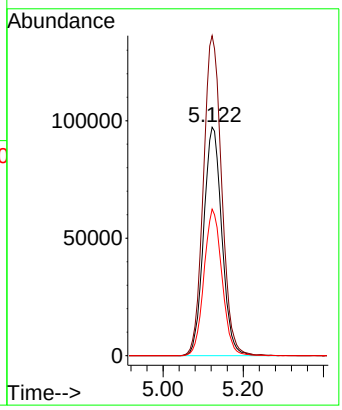




#21
trans-1,2-Dichloroethene
Concen: 134.636 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 30616

Ion	Ratio	Lower	Upper
96	100		
61	140.1	104.6	156.8
98	64.1	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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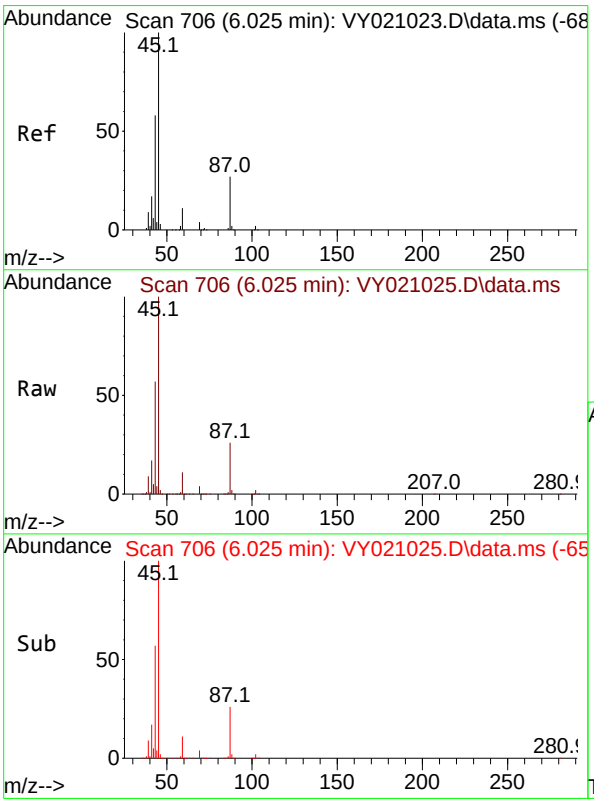
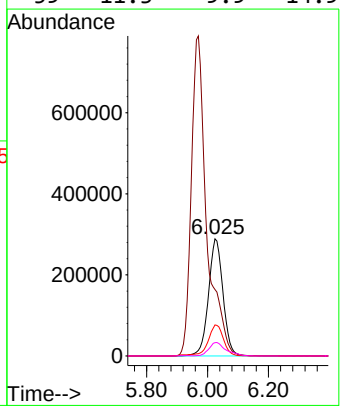
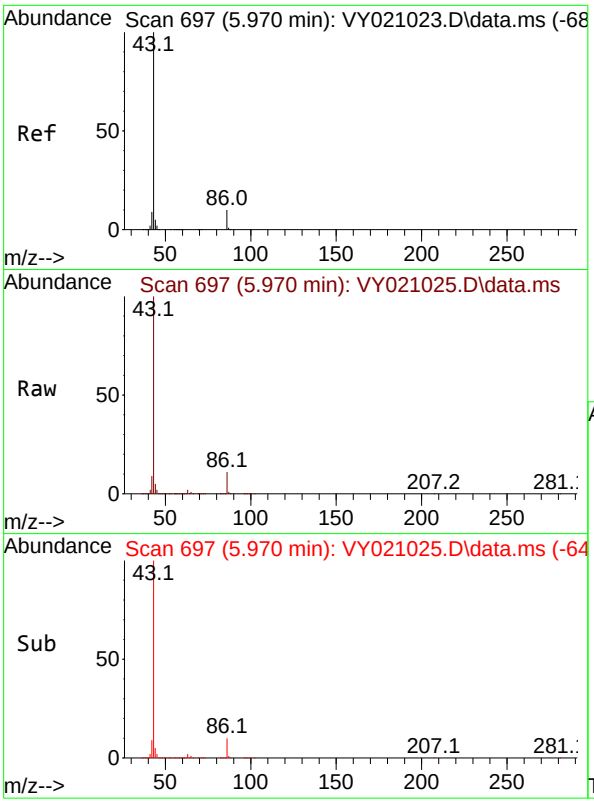


#22
Diisopropyl ether
Concen: 148.878 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 45 Resp: 955213

Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.8	70.2
87	26.5	22.2	33.2
59	11.3	9.9	14.9





#23
Vinyl Acetate
Concen: 786.547 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 276142

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	13.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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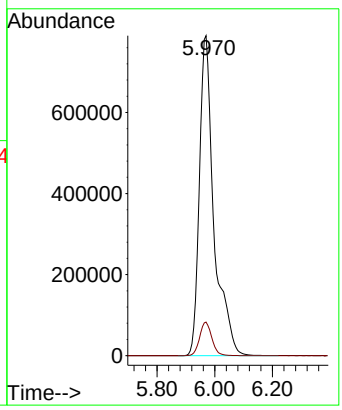
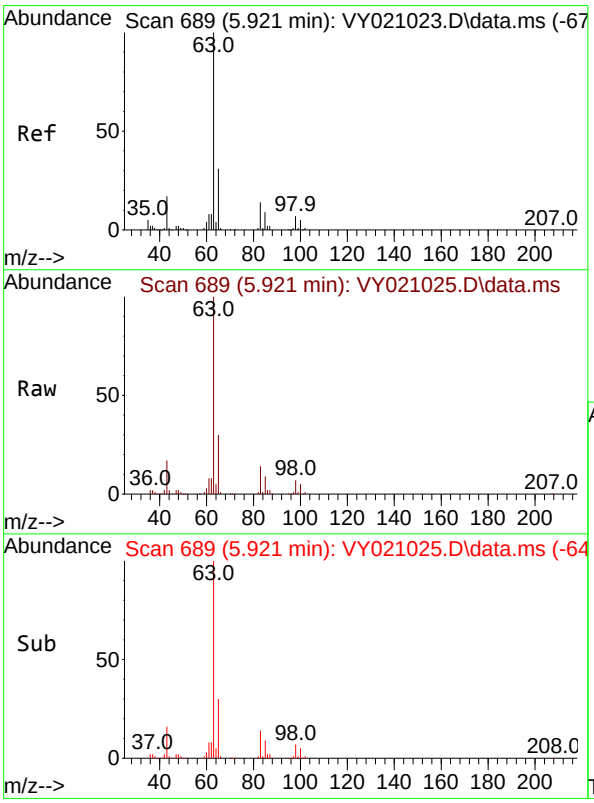
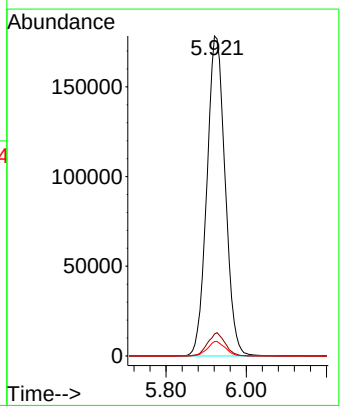


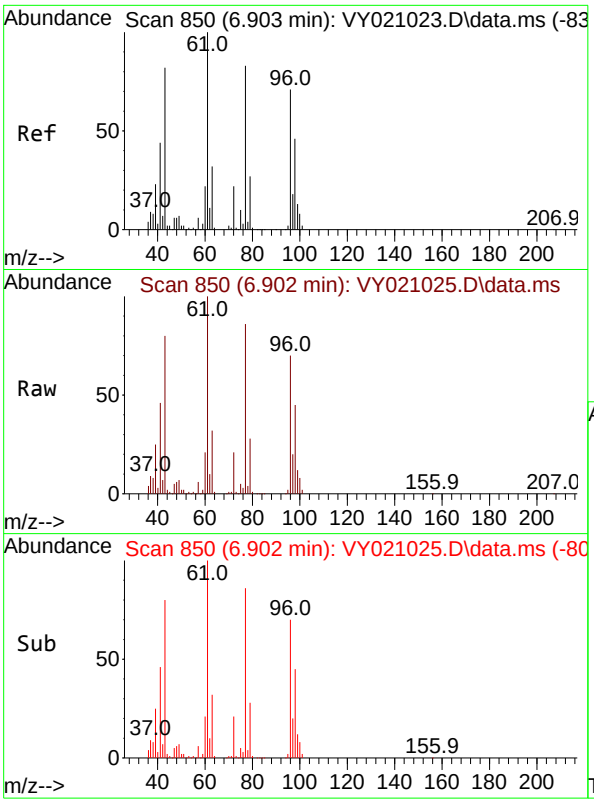


#24
1,1-Dichloroethane
Concen: 141.610 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 563116

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.4
100	4.5	2.1	6.2

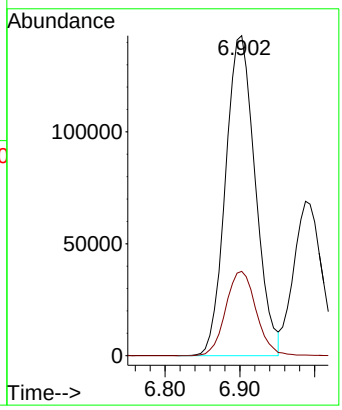




#25
2-Butanone
Concen: 620.601 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 39588

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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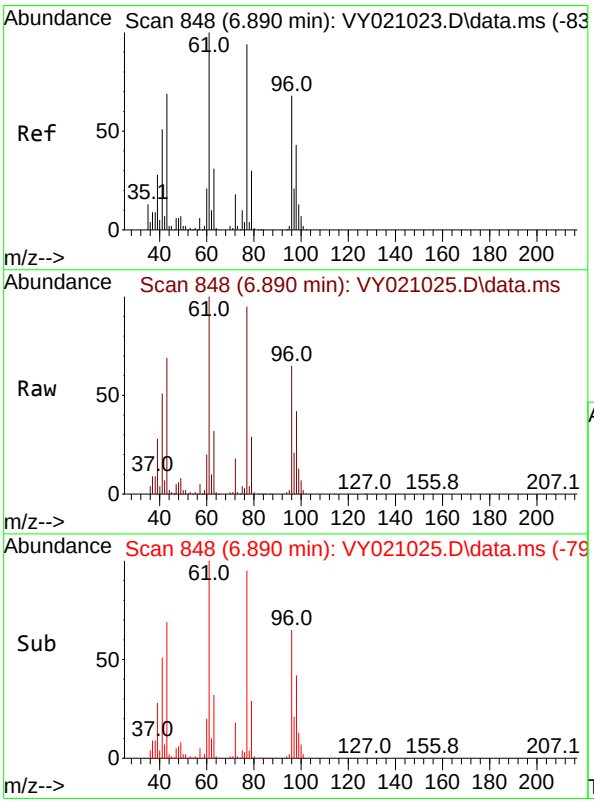
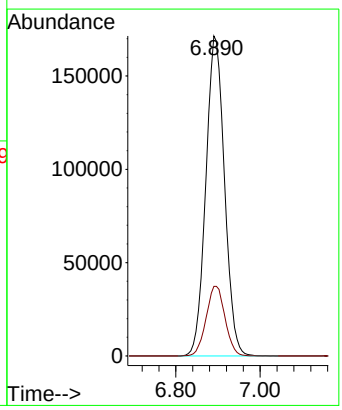
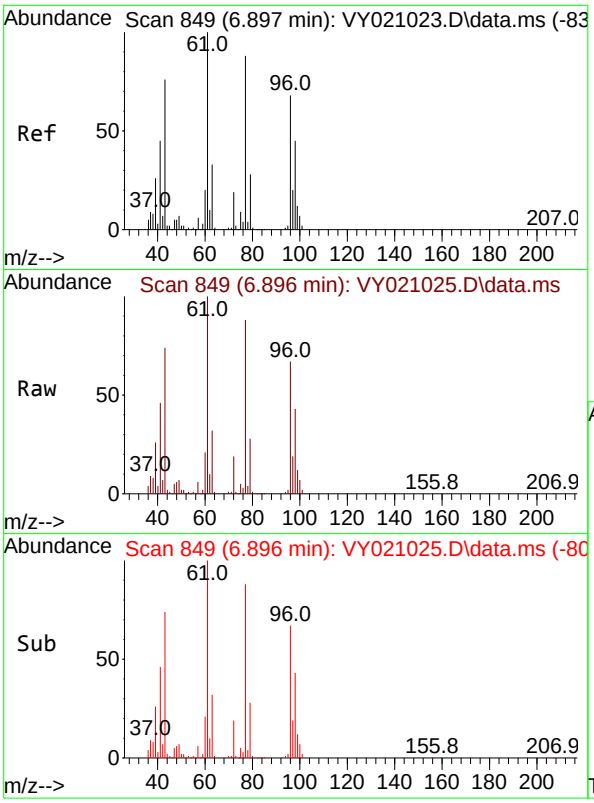


#26
2,2-Dichloropropane
Concen: 153.065 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 77 Resp: 527500

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.7	35.0

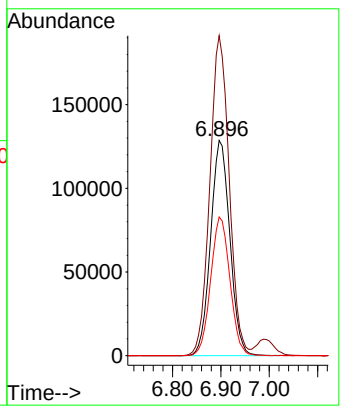




#27
cis-1,2-Dichloroethene
Concen: 144.373 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 35649

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	278.8
98	64.4	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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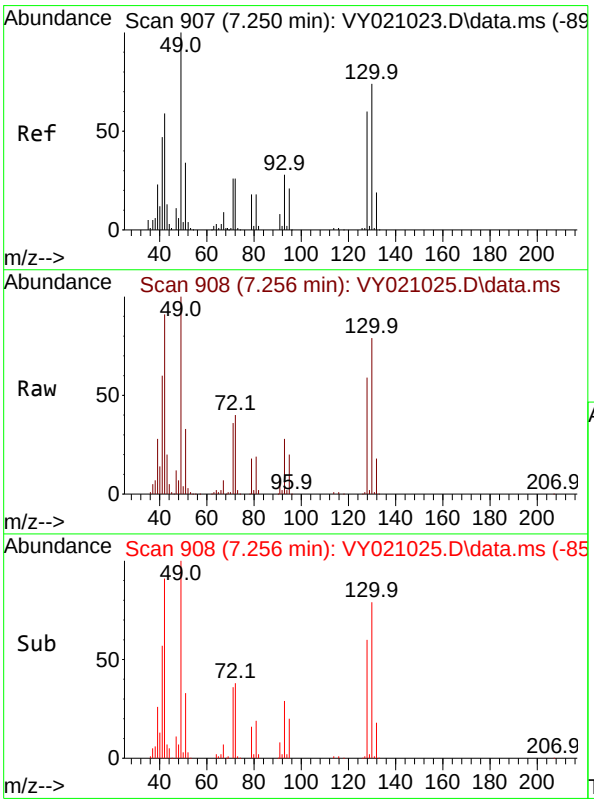
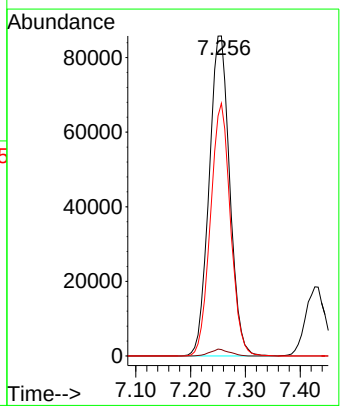
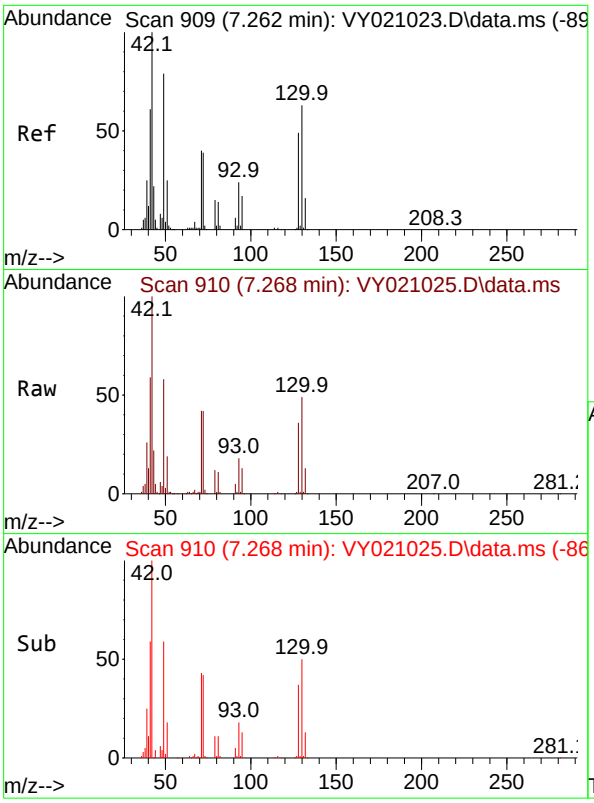


#28
Bromochloromethane
Concen: 131.225 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 49 Resp: 224174

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.4	59.8	89.8

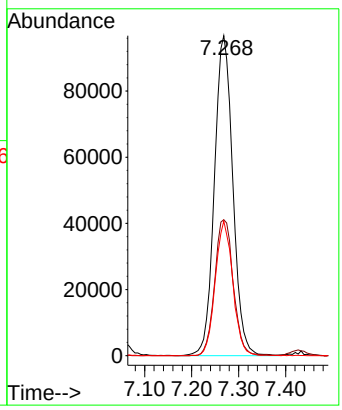




#29
Tetrahydrofuran
Concen: 736.644 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 42 Resp: 26394

Ion	Ratio	Lower	Upper
42	100		
72	42.9	36.6	54.8
71	39.9	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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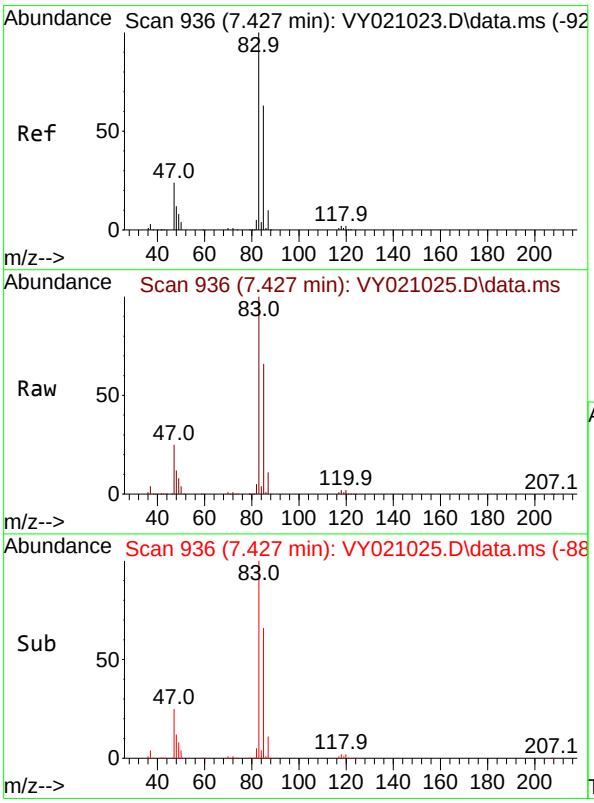
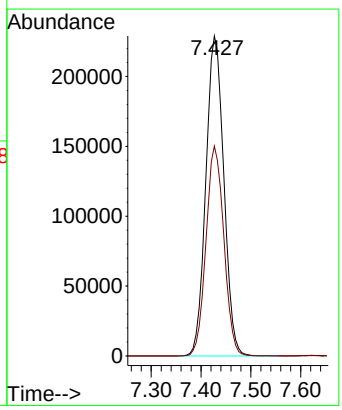
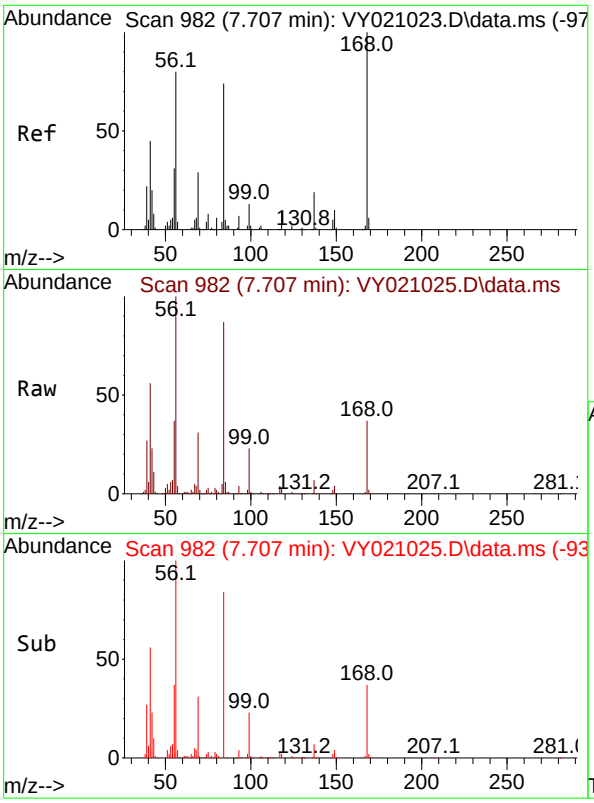


#30
Chloroform
Concen: 143.739 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 572890

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.2	76.8





#31
Cyclohexane
Concen: 128.899 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 56 Resp: 48516

Ion	Ratio	Lower	Upper
56	100		
69	31.0	27.0	40.6
84	84.9	71.8	107.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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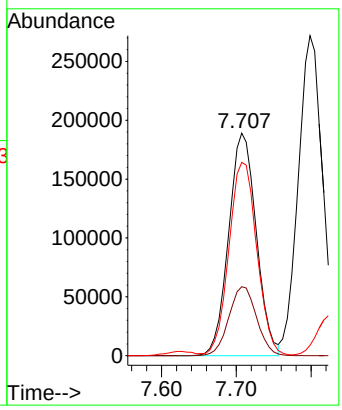
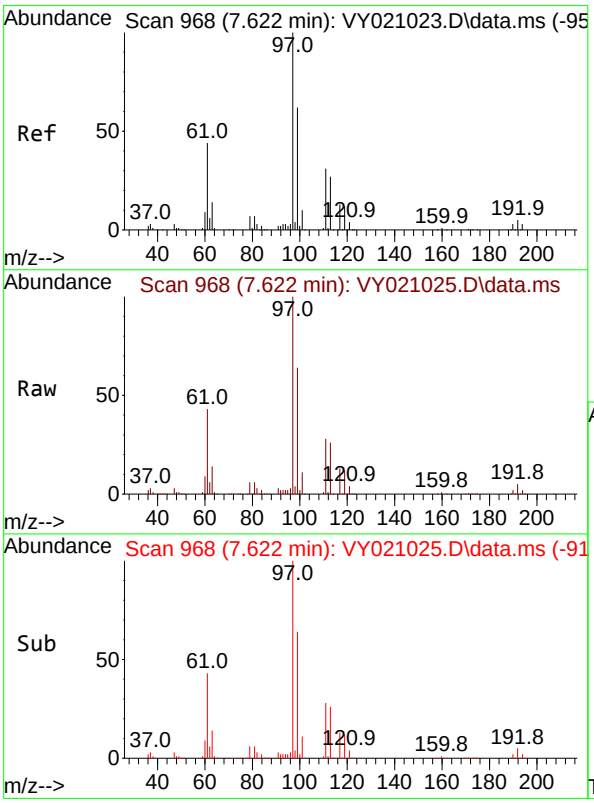
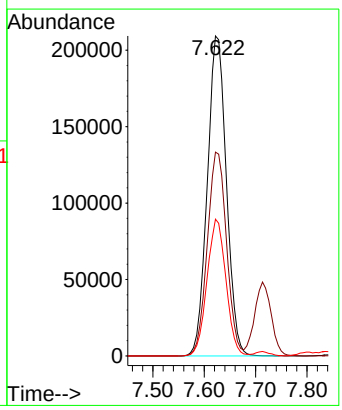


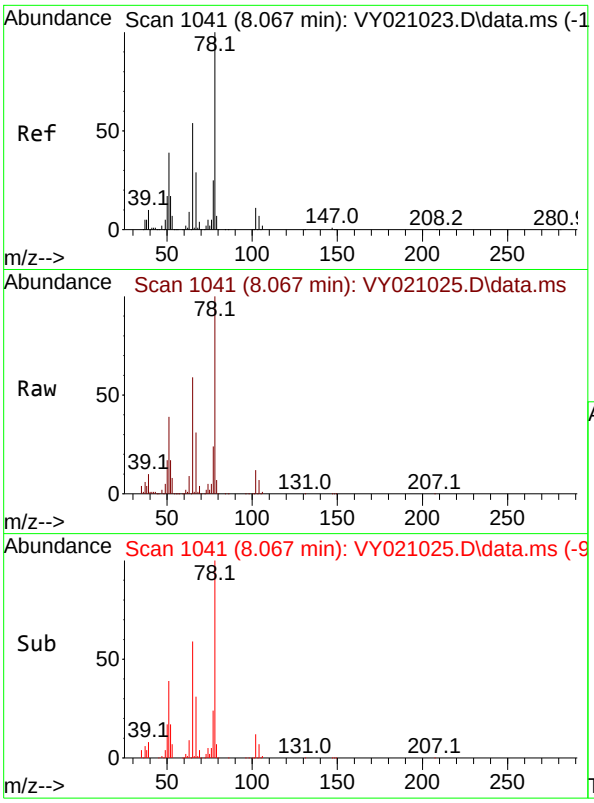


#32
1,1,1-Trichloroethane
Concen: 151.377 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 540513

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	42.5	35.0	52.6





#33
1,2-Dichloroethane-d4
Concen: 145.336 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 65 Resp: 29366

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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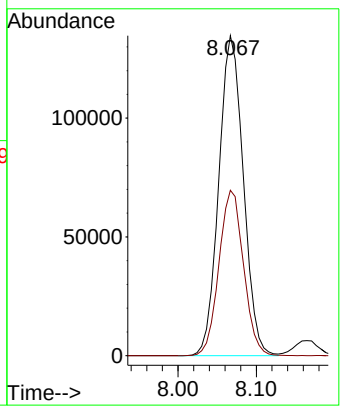
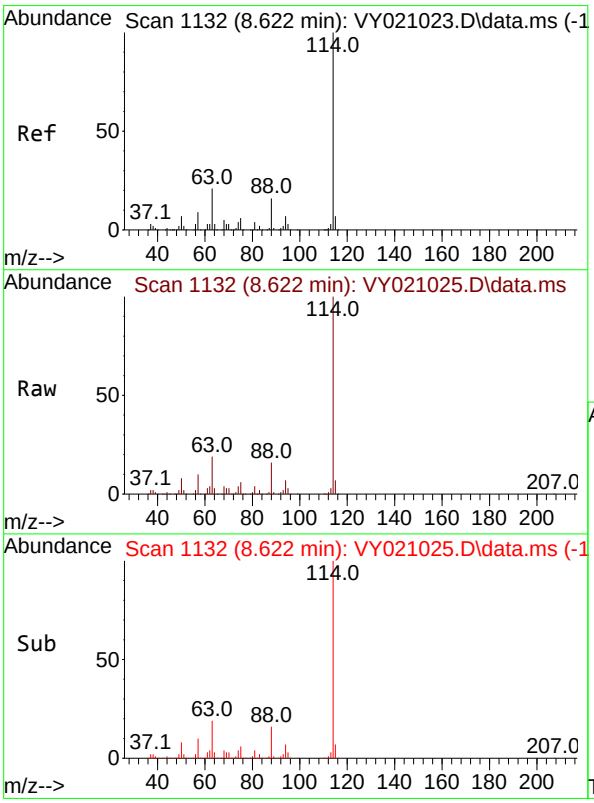
Supervised By :Semsettin Yesilyurt 02/04/2025

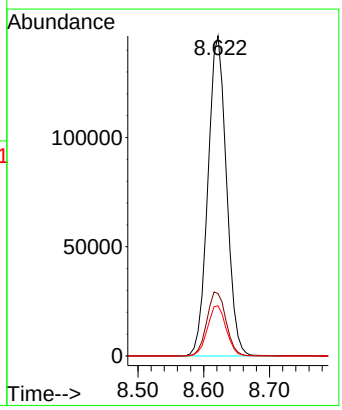


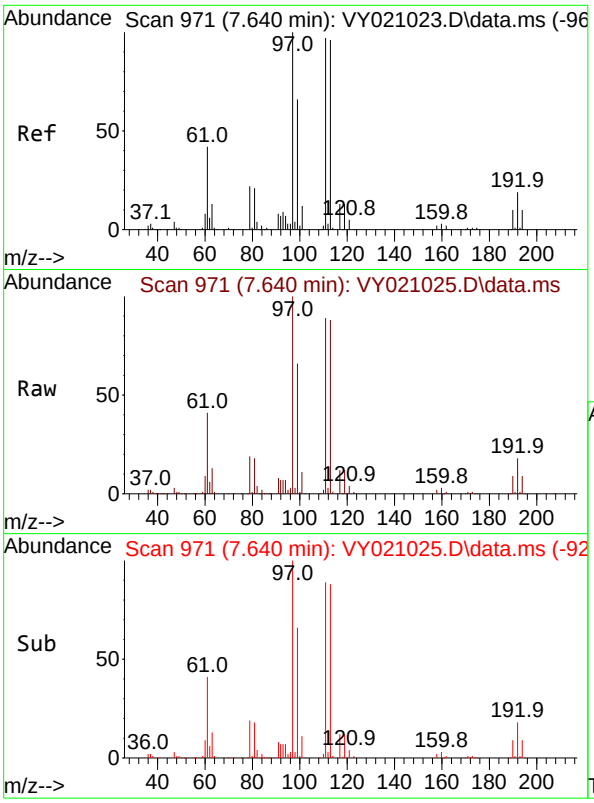


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:114 Resp: 287697

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	37.4
88	15.7	0.0	29.0

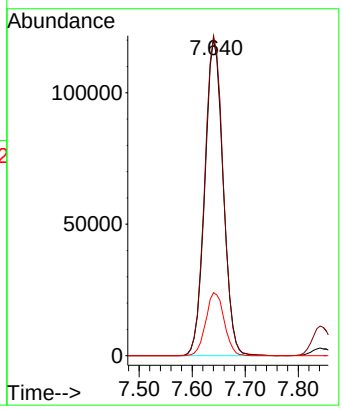




#35
Dibromofluoromethane
Concen: 155.917 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:113 Resp: 28779

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.8	125.6
192	20.1	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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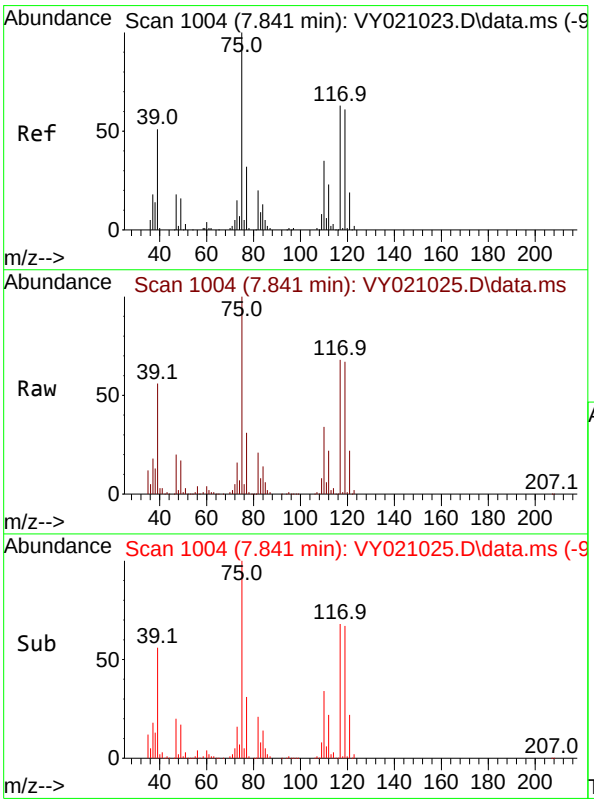
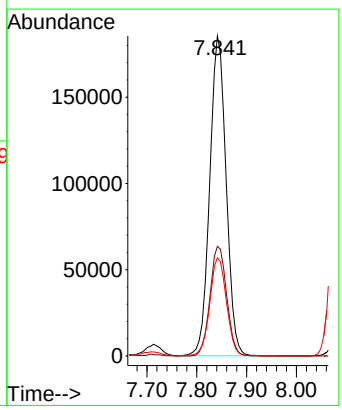
Supervised By :Semsettin Yesilyurt 02/04/2025

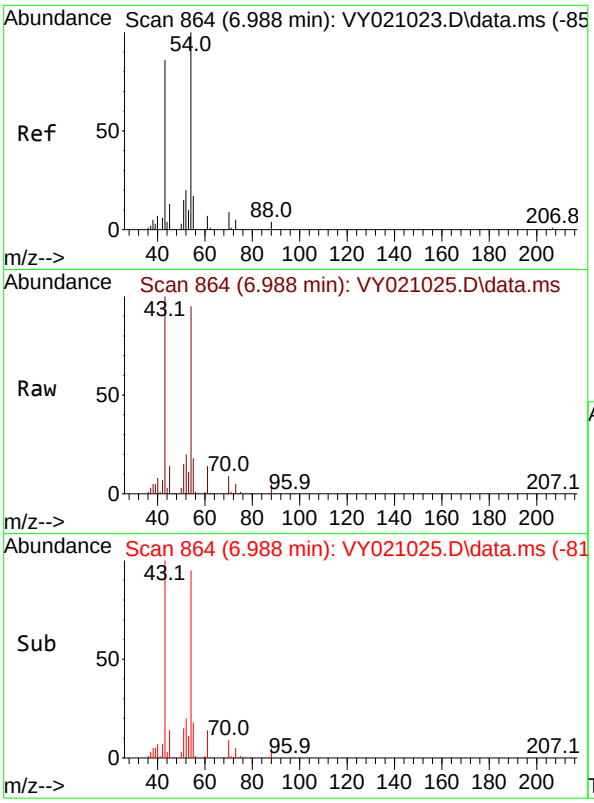


#36
1,1-Dichloropropene
Concen: 143.160 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 423720

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.3
77	31.4	24.7	37.1





#37
Ethyl Acetate
Concen: 153.217 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 18666

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.6
70	9.6	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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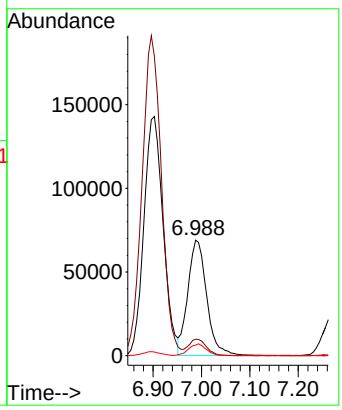
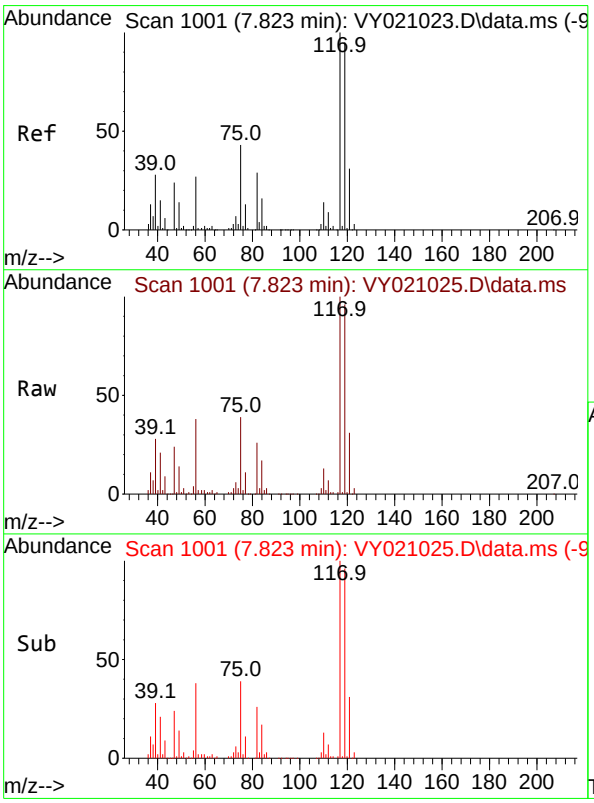
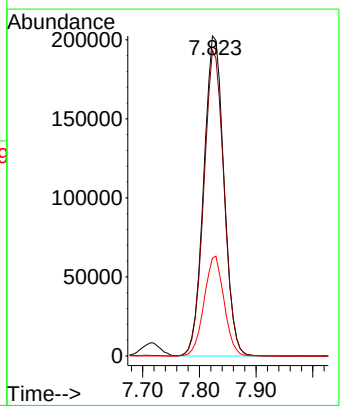


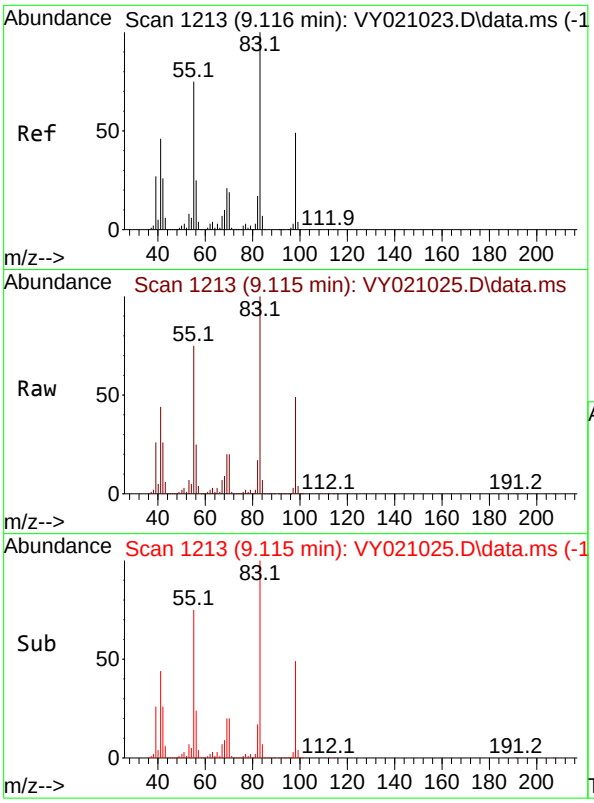


#38
Carbon Tetrachloride
Concen: 170.502 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 501205

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.0	114.0
121	30.6	24.2	36.2





#39
Methylcyclohexane
Concen: 152.474 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 54290

Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.7	89.5
98	49.2	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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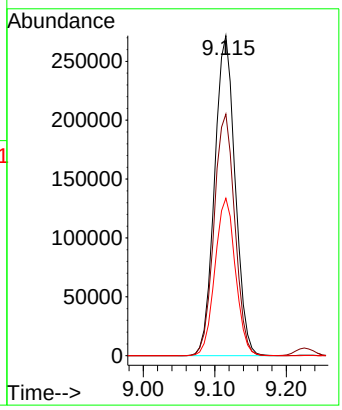
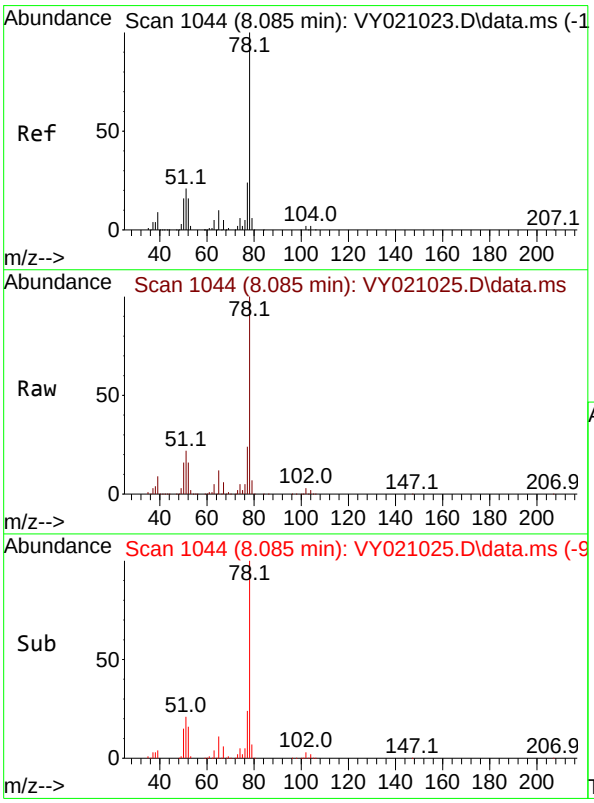
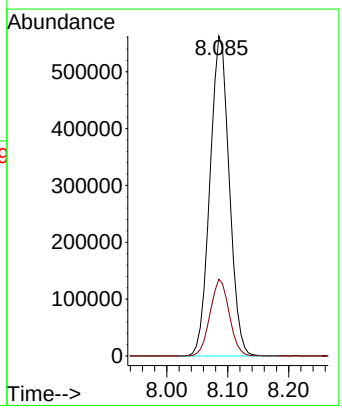


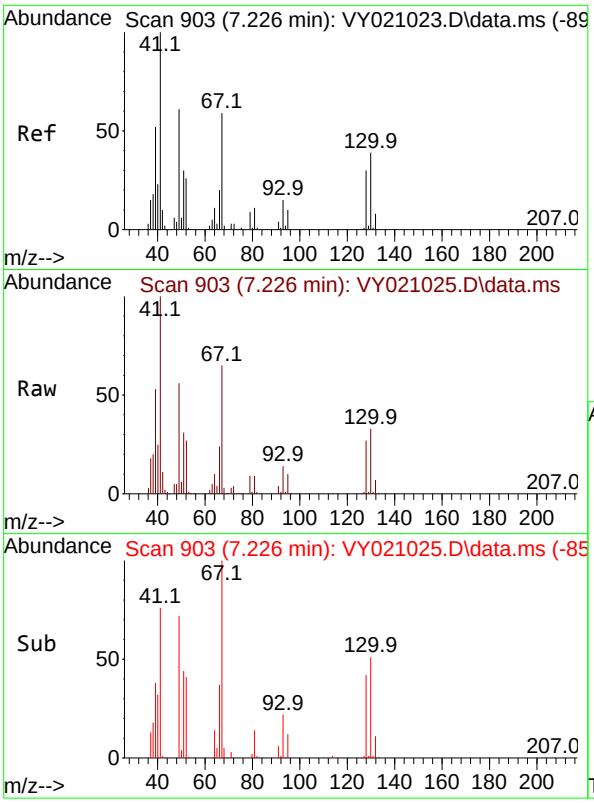


#40
Benzene
Concen: 148.429 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 78 Resp: 1239229

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

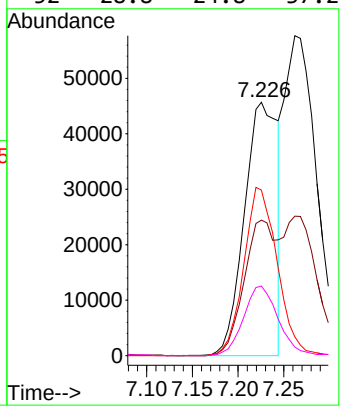




#41
Methacrylonitrile
Concen: 185.120 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 11523

Ion	Ratio	Lower	Upper
41	100		
39	52.7	41.9	62.9
67	67.4	59.8	89.6
52	28.8	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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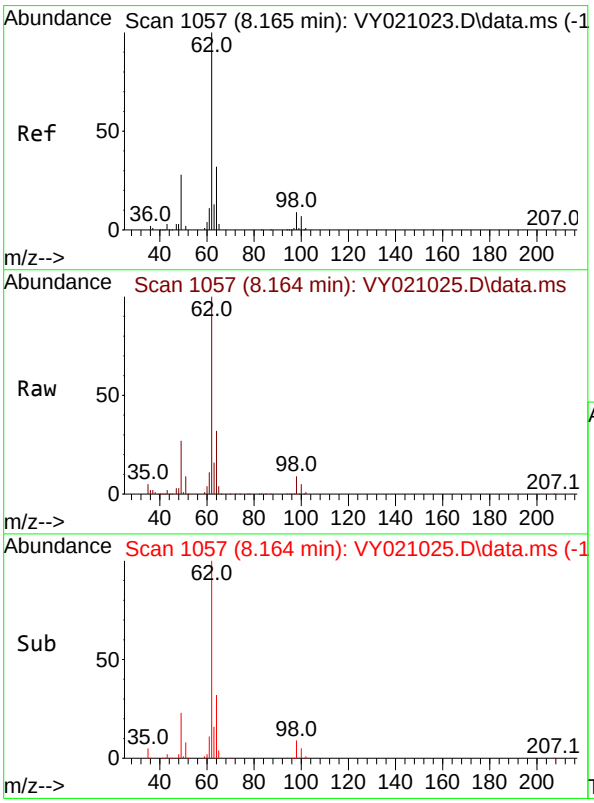
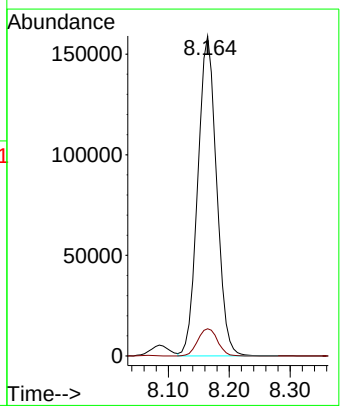
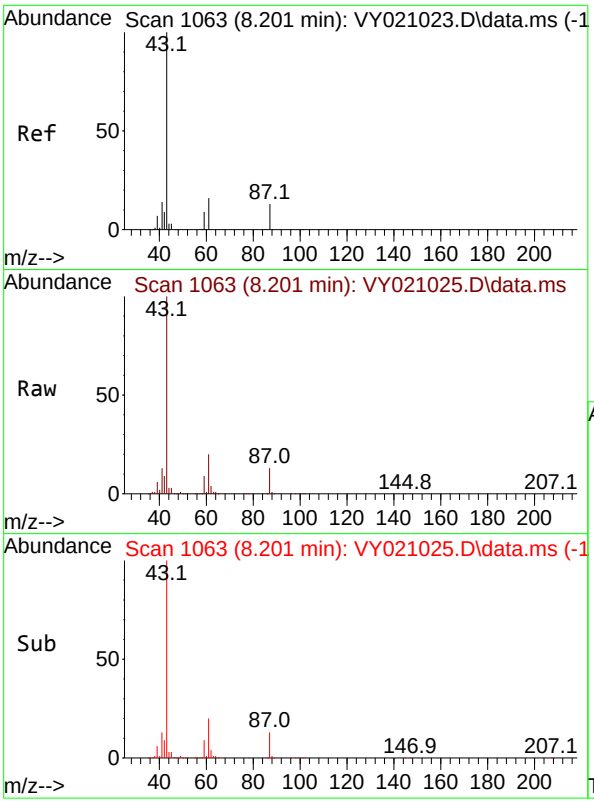


#42
1,2-Dichloroethane
Concen: 158.367 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 340547

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2





#43
Isopropyl Acetate
Concen: 175.917 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 38896

Ion	Ratio	Lower	Upper
43	100		
61	20.0	24.8	37.2
87	13.1	10.7	16.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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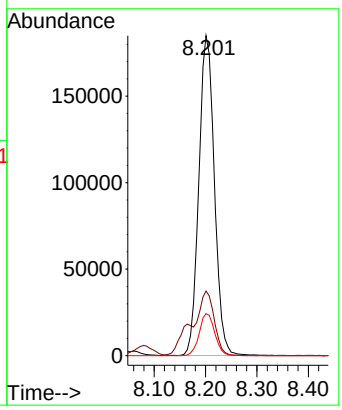
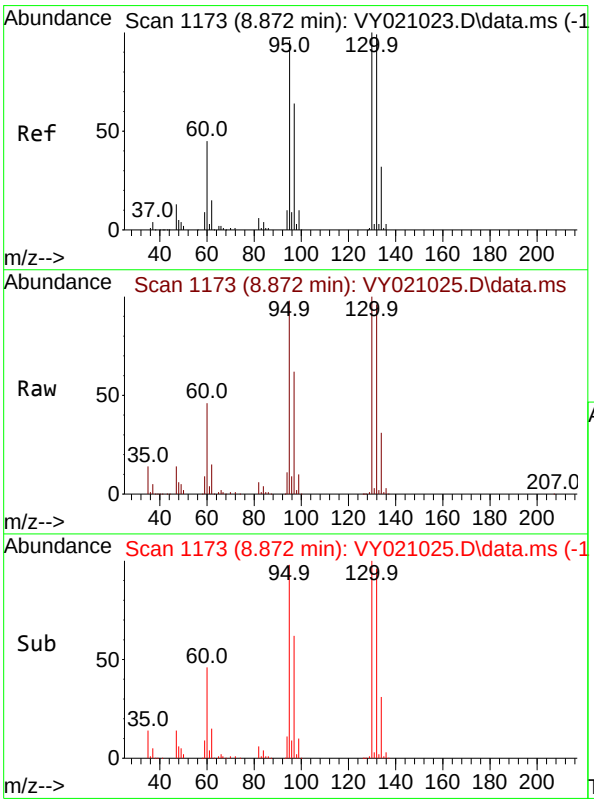
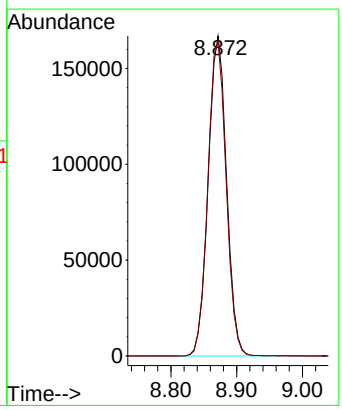


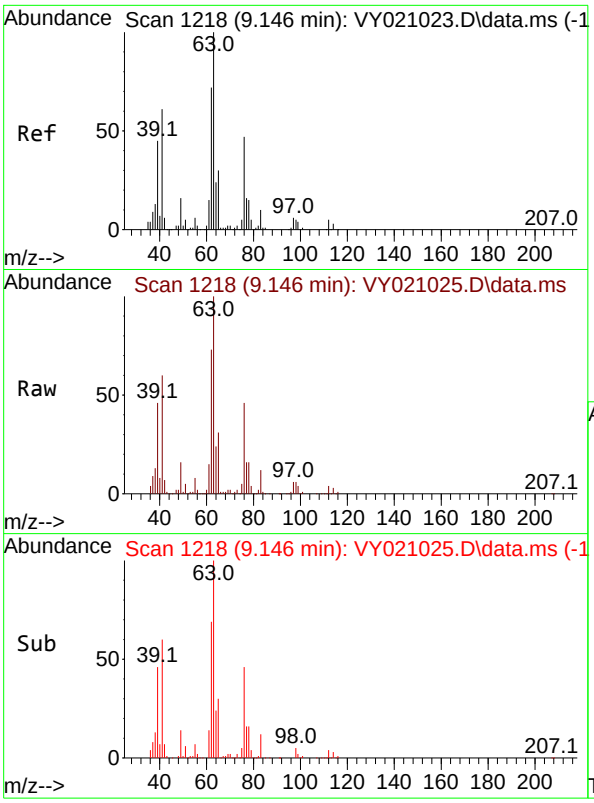


#44
Trichloroethene
Concen: 150.703 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:130 Resp: 323716

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	203.8

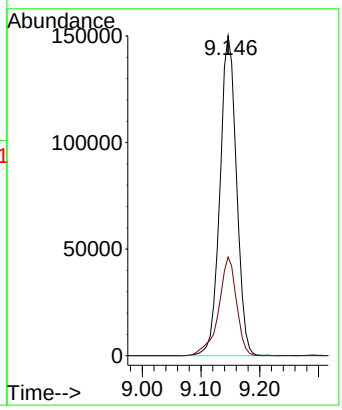




#45
1,2-Dichloropropane
Concen: 147.060 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 29415

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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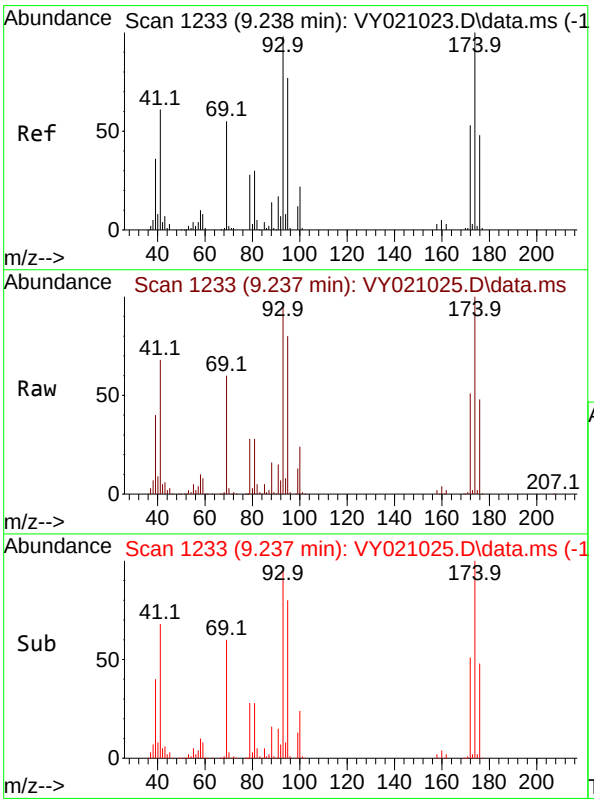
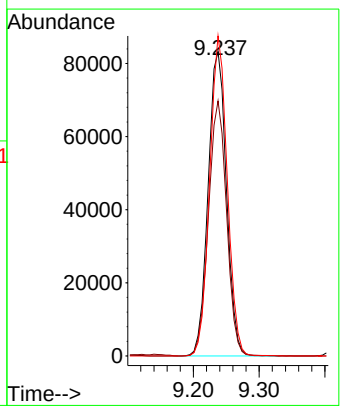
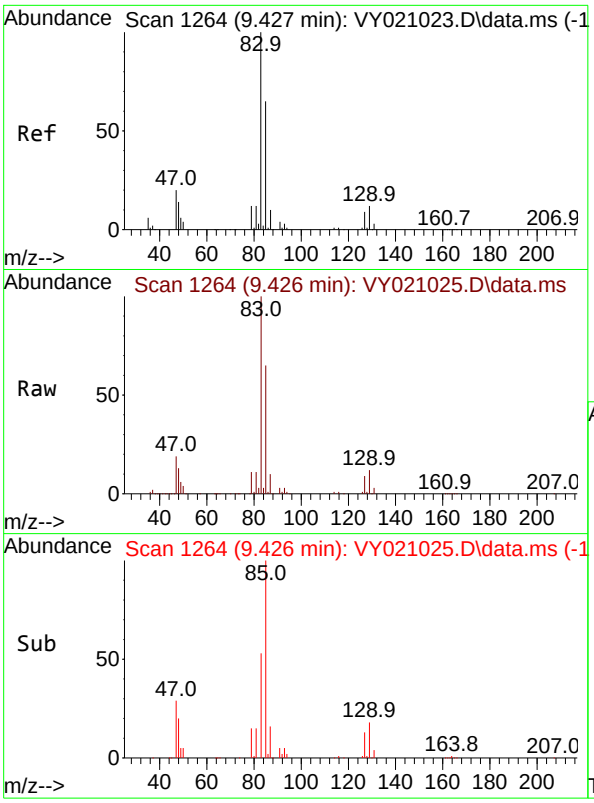


#46
Dibromomethane
Concen: 154.118 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 93 Resp: 161341

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	99.8
174	101.4	73.8	110.6

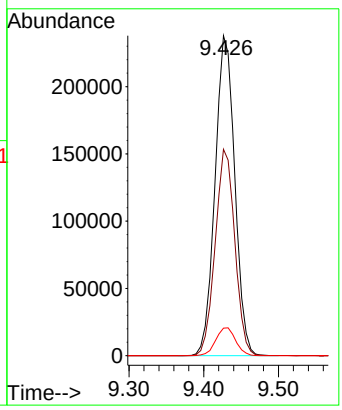




#47
Bromodichloromethane
Concen: 160.591 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 43711

Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.2	79.8
127	8.6	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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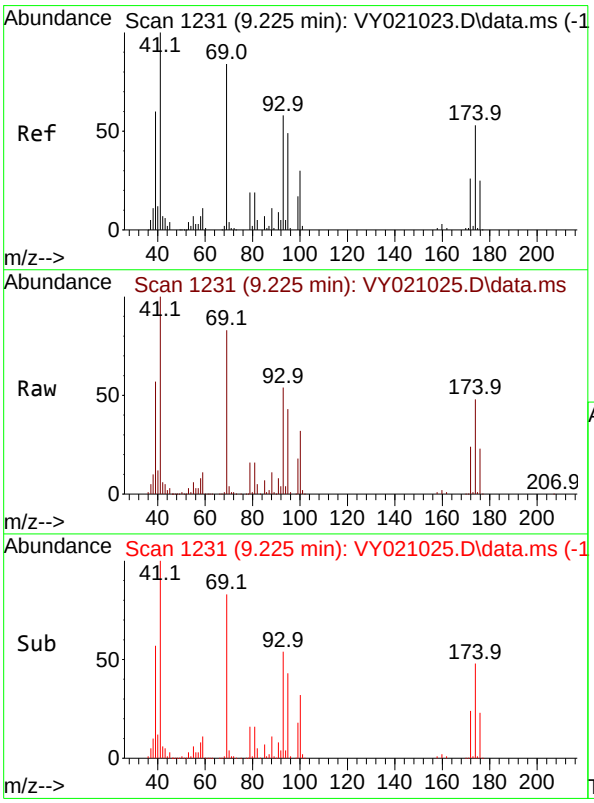
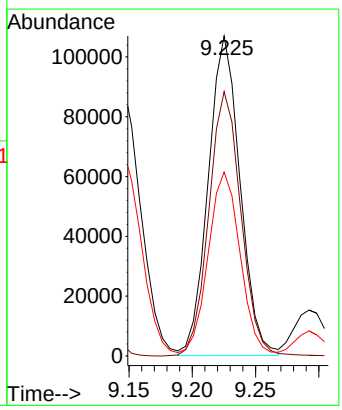
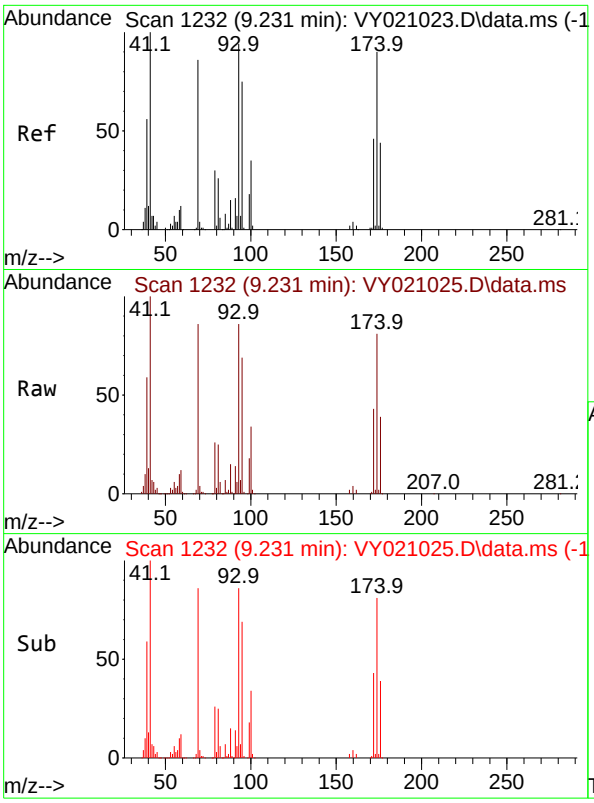


#48
Methyl methacrylate
Concen: 167.251 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 187040

Ion	Ratio	Lower	Upper
41	100		
69	83.4	72.1	108.1
39	55.8	42.8	64.2

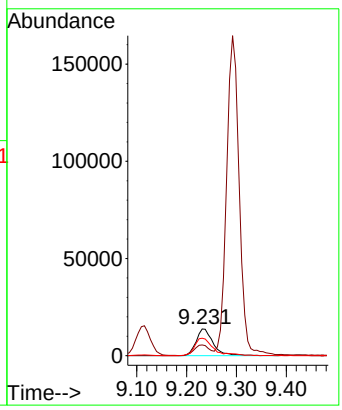




#49
1,4-Dioxane
Concen: 3078.544 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 88 Resp: 3270

Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.2	42.4
58	72.3	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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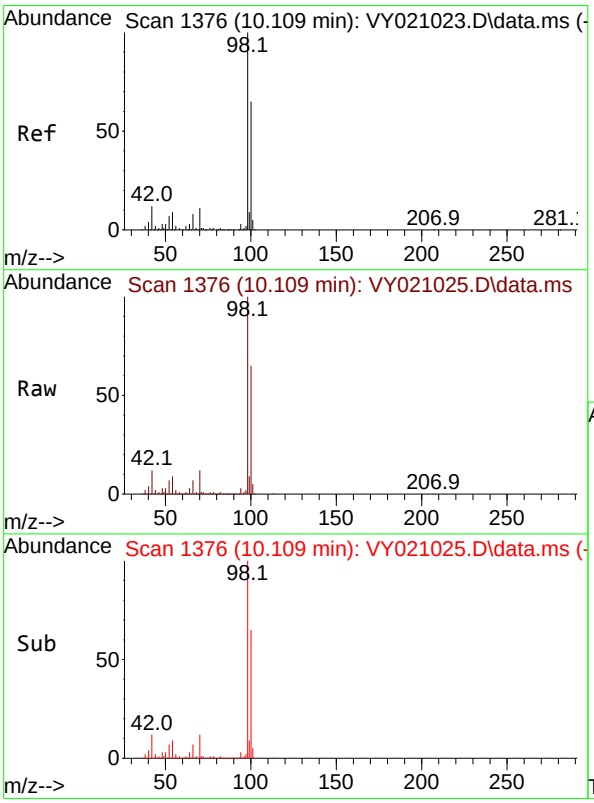
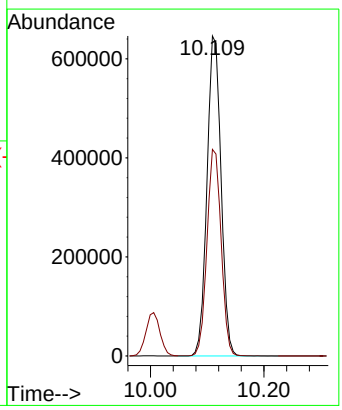
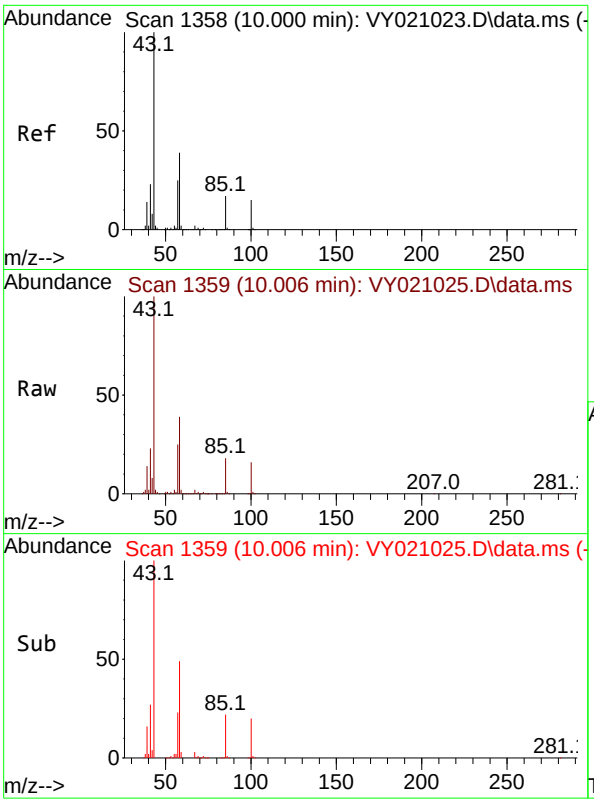


#50
Toluene-d8
Concen: 156.140 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 98 Resp: 1111573

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5

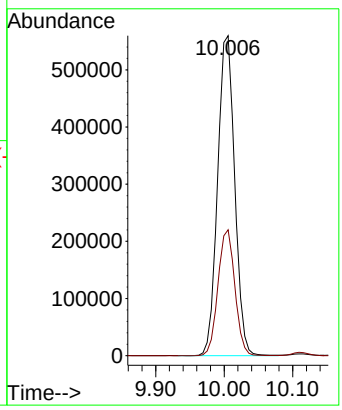




#51
4-Methyl-2-Pentanone
Concen: 814.397 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 96550

Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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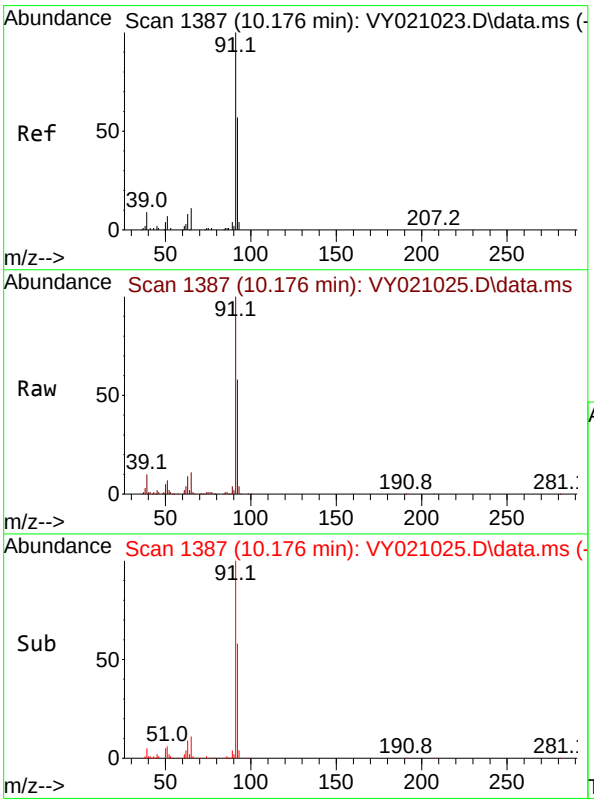
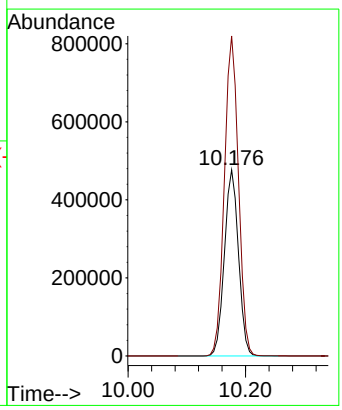
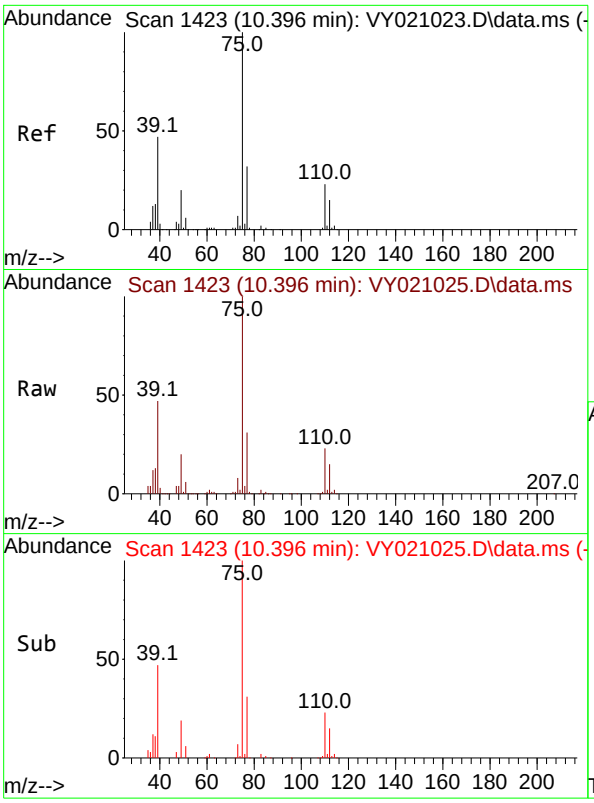


#52
Toluene
Concen: 155.591 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 92 Resp: 792134

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.6	206.4

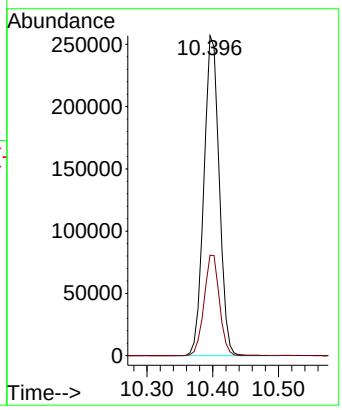




#53
t-1,3-Dichloropropene
Concen: 166.270 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 41687

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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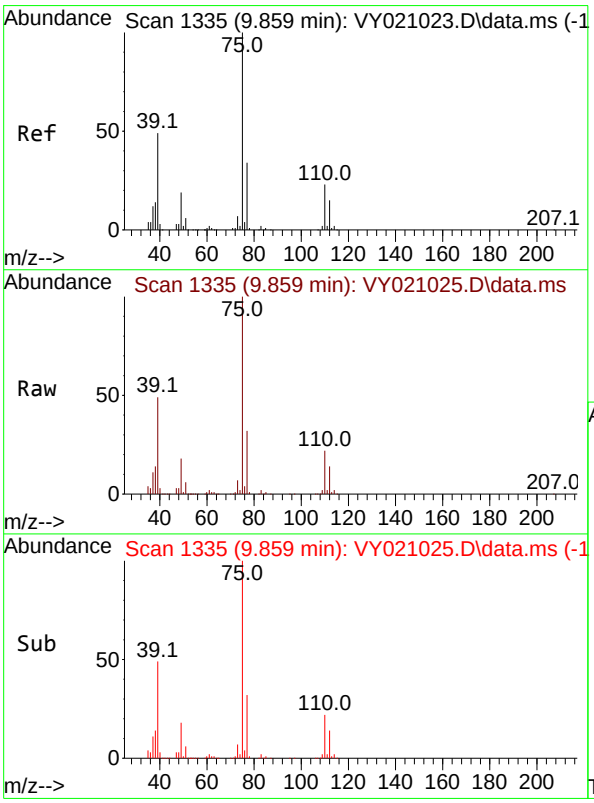
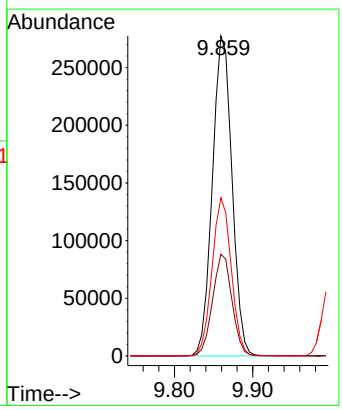
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

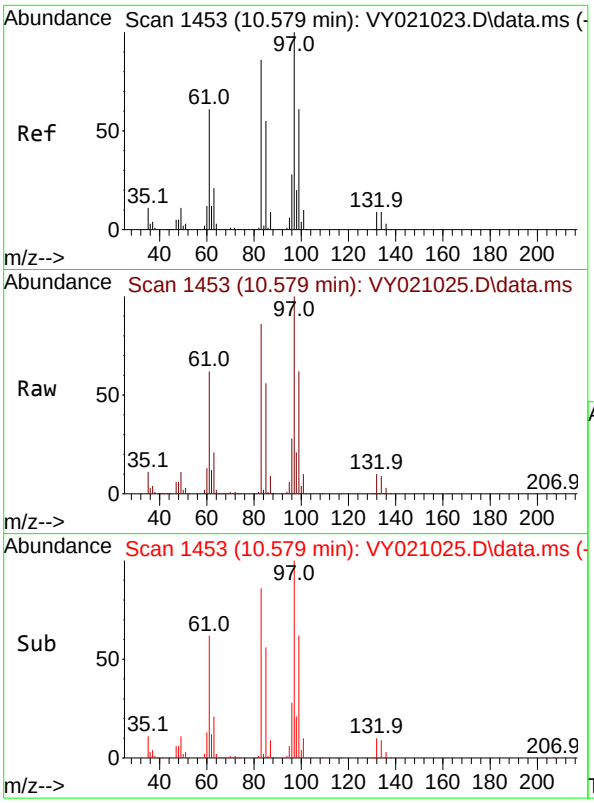


#54
cis-1,3-Dichloropropene
Concen: 158.232 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 483429

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	49.4	33.6	50.4

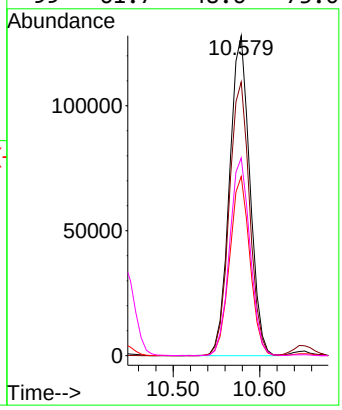




#55
1,1,2-Trichloroethane
Concen: 146.925 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 20900

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.4	104.2
85	56.0	43.9	65.9
99	61.7	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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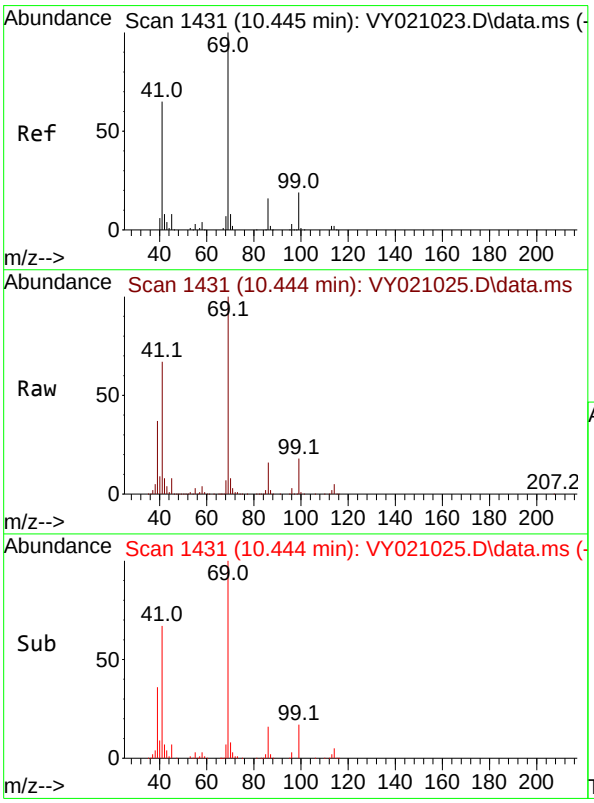
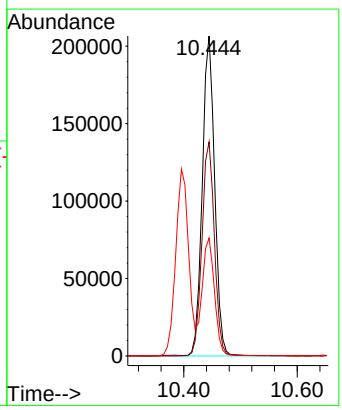
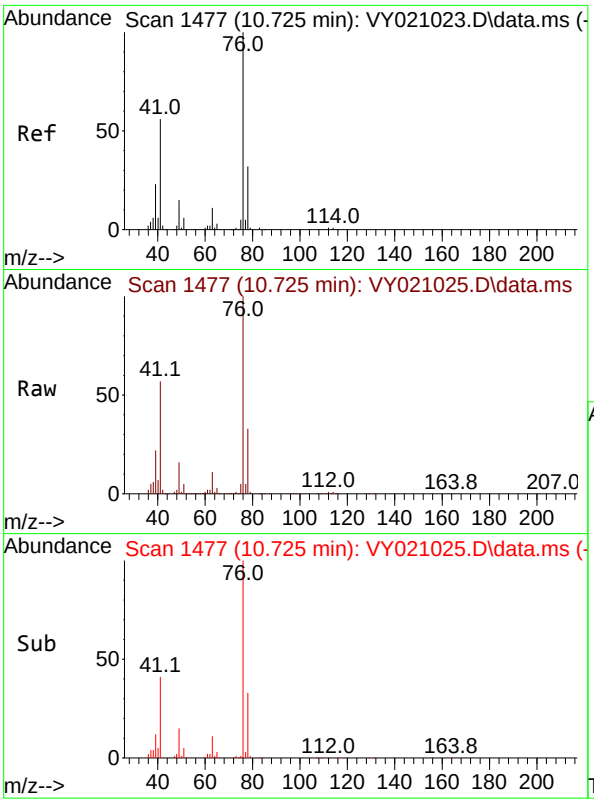


#56
Ethyl methacrylate
Concen: 200.500 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 69 Resp: 313458

Ion	Ratio	Lower	Upper
69	100		
41	67.0	49.2	73.8
39	37.0	26.8	40.2

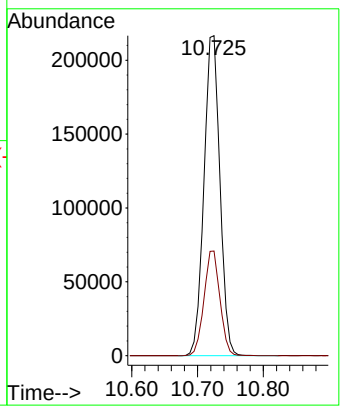




#57
1,3-Dichloropropane
Concen: 149.005 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 76 Resp: 36555

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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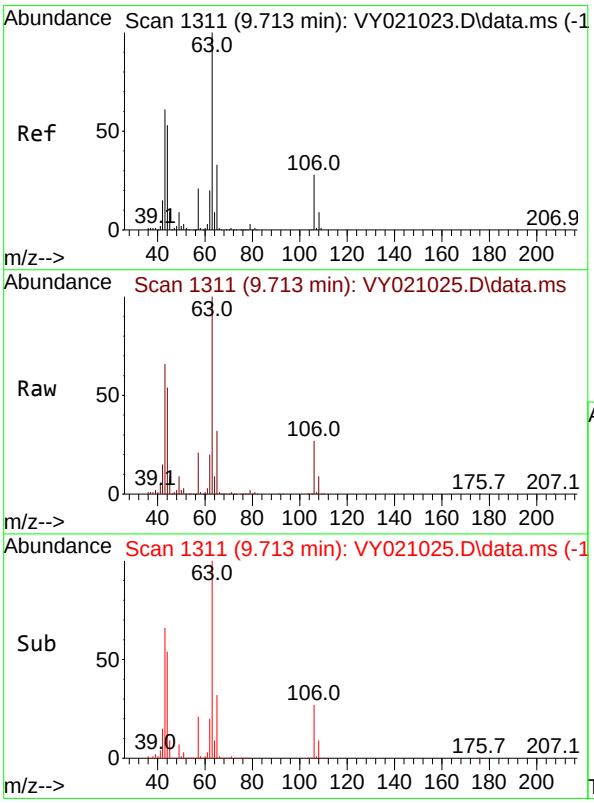
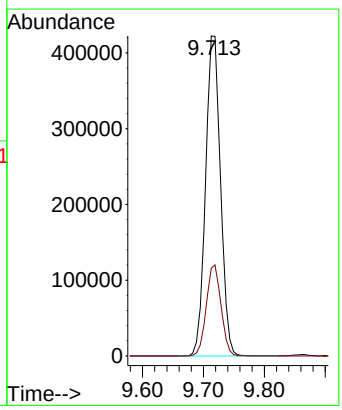
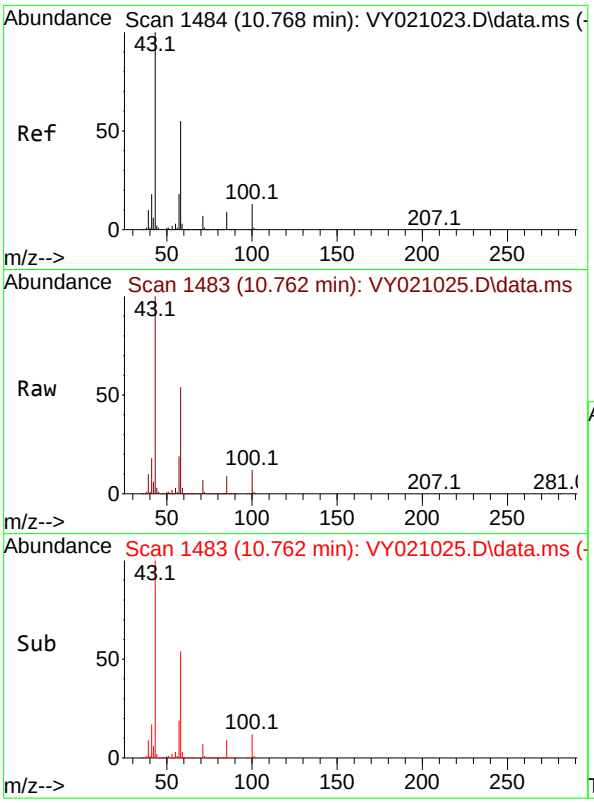


#58
2-Chloroethyl Vinyl ether
Concen: 788.766 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 721923

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6





#59
2-Hexanone
Concen: 763.675 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 64244

Ion	Ratio	Lower	Upper
43	100		
58	54.6	28.1	84.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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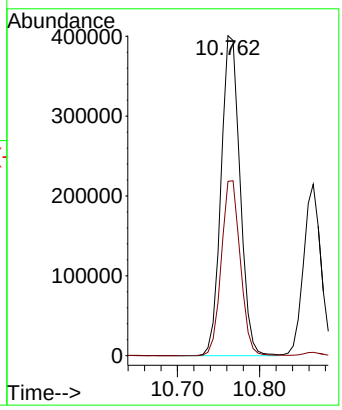
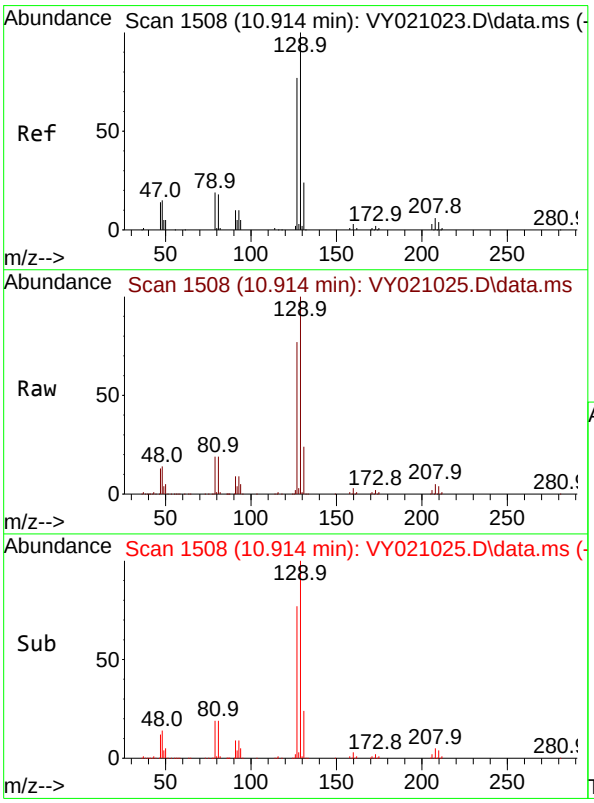
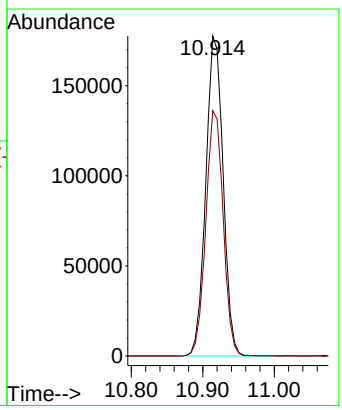


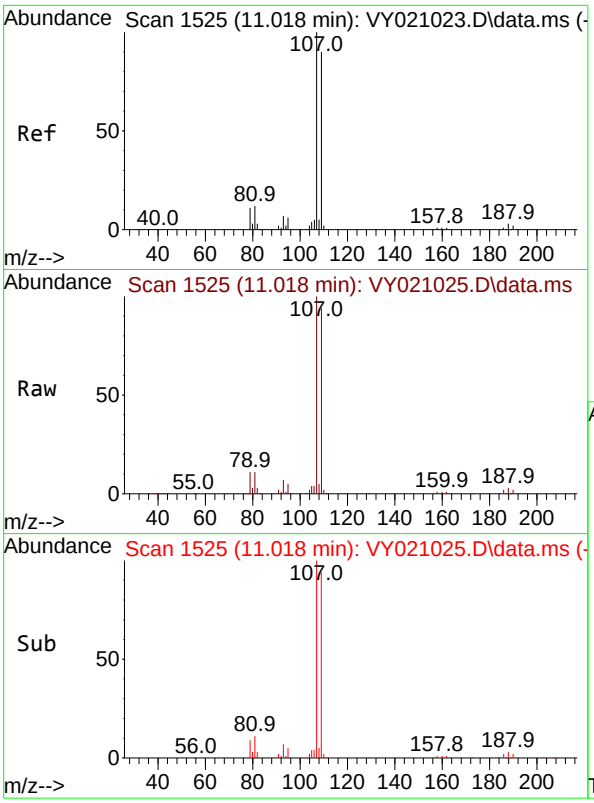


#60
Dibromochloromethane
Concen: 175.351 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:129 Resp: 298751

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.2	117.6

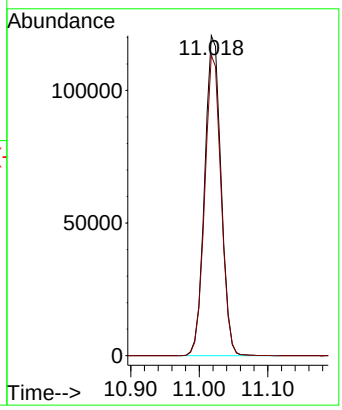




#61
1,2-Dibromoethane
Concen: 153.273 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:107 Resp: 20084

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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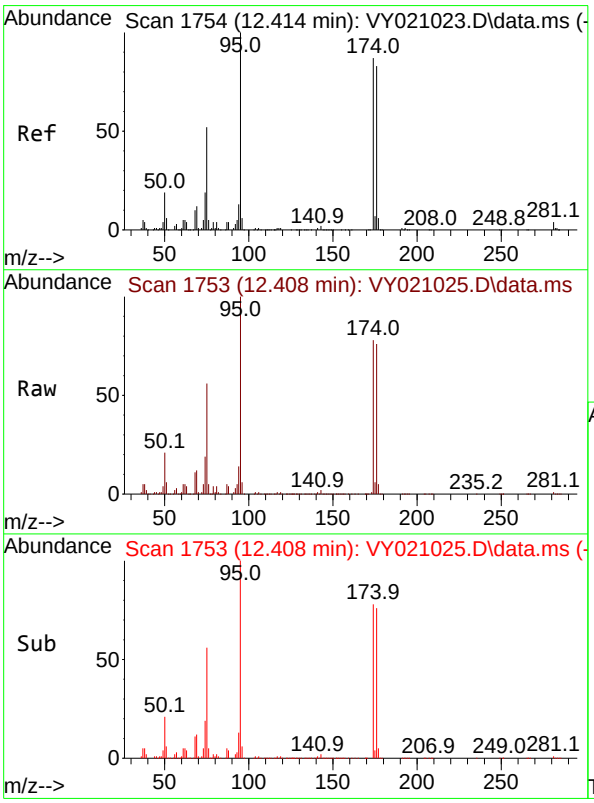
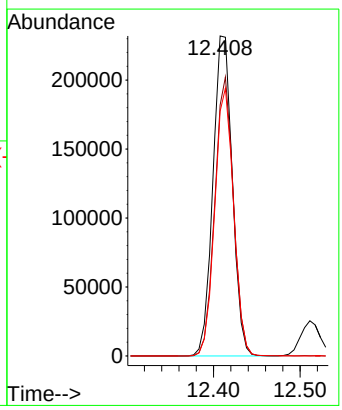
Supervised By :Semsettin Yesilyurt 02/04/2025

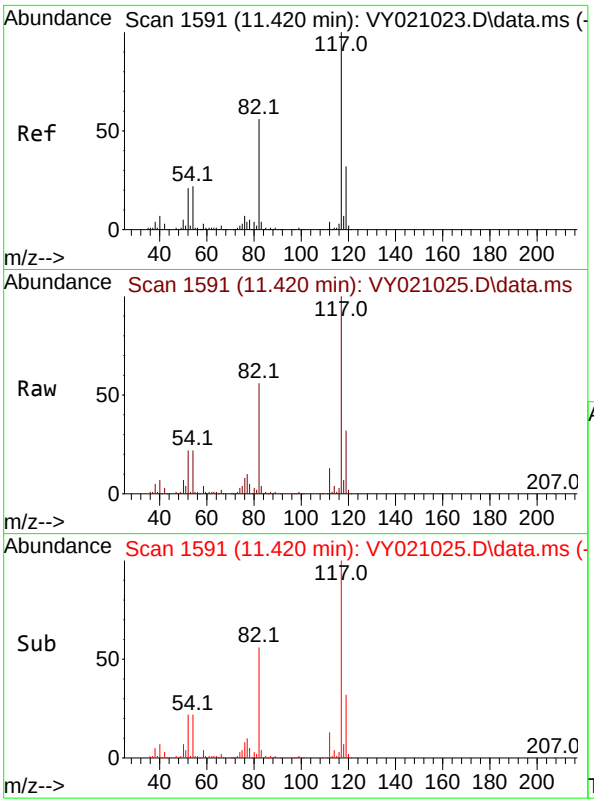


#62
4-Bromofluorobenzene
Concen: 162.912 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 95 Resp: 360358

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	160.0
176	81.4	0.0	151.8

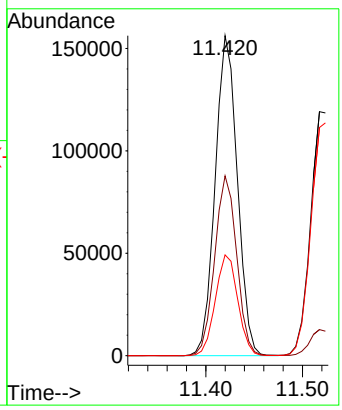




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 24852

Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.8	65.8
119	31.5	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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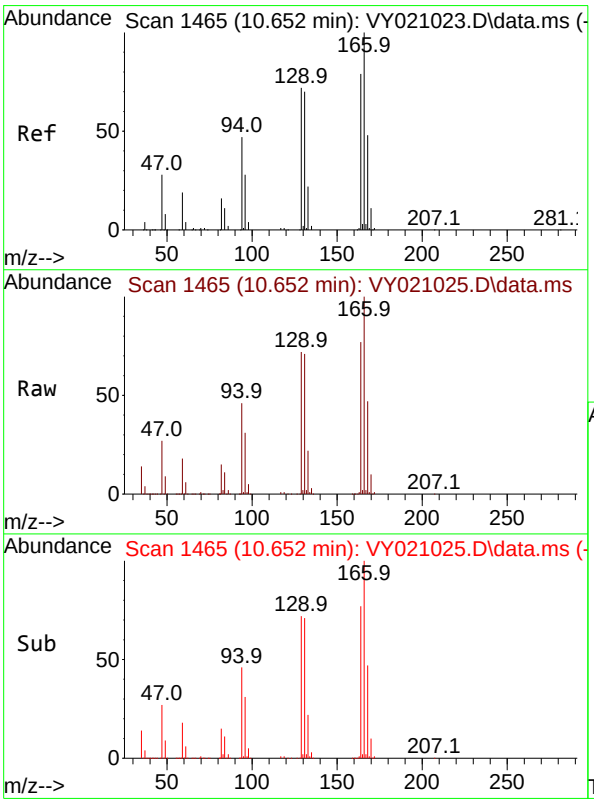
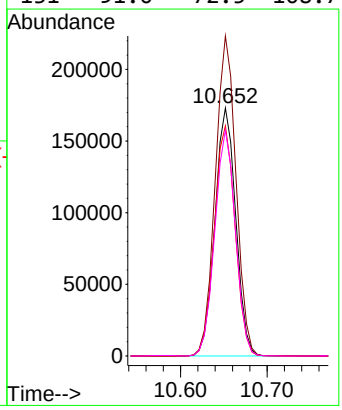
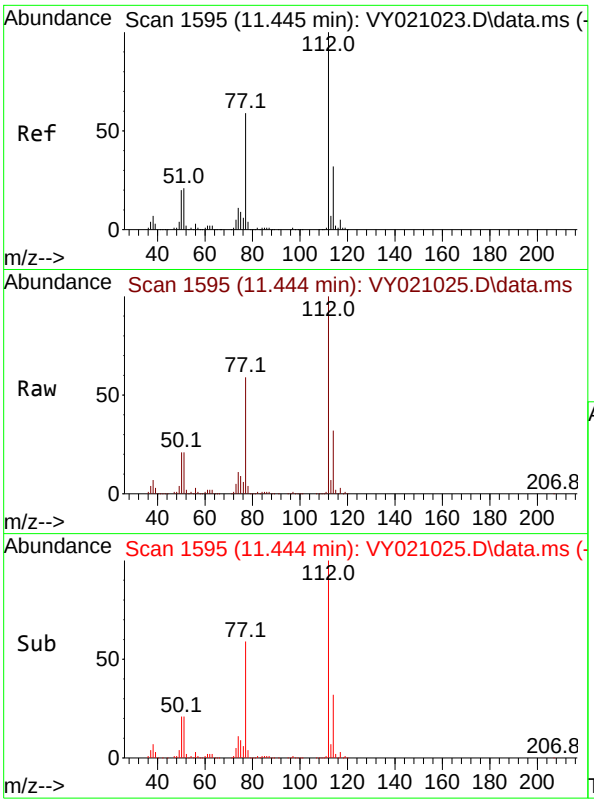


#64
Tetrachloroethene
Concen: 156.856 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:164 Resp: 288752

Ion	Ratio	Lower	Upper
164	100		
166	129.1	98.8	148.2
129	92.8	78.9	118.3
131	91.0	72.5	108.7

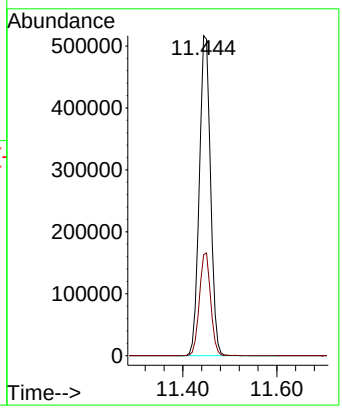




#65
Chlorobenzene
Concen: 161.190 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:112 Resp: 85448

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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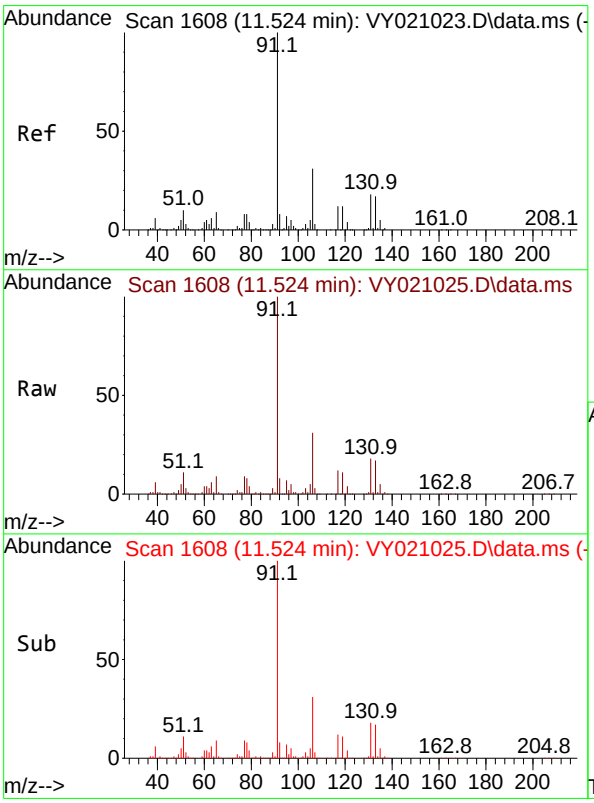
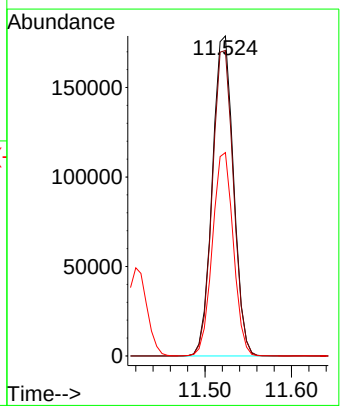
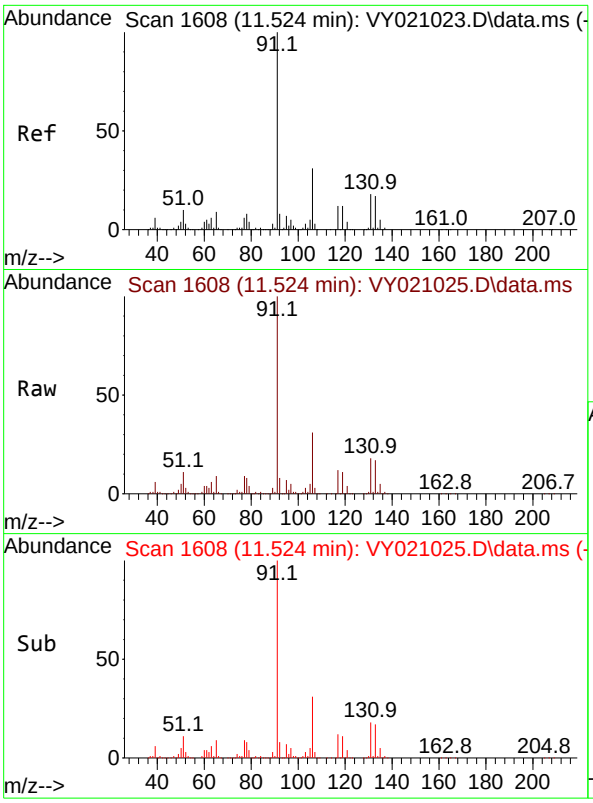


#66
1,1,1,2-Tetrachloroethane
Concen: 159.942 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:131 Resp: 303176

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.0	141.0
119	62.8	33.3	99.9

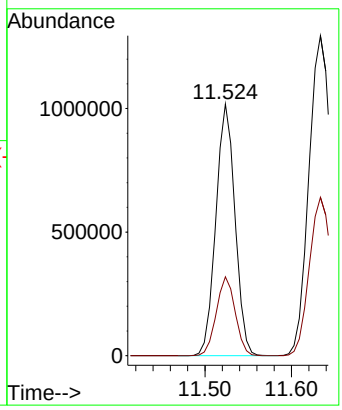




#67
Ethyl Benzene
Concen: 161.195 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 156065

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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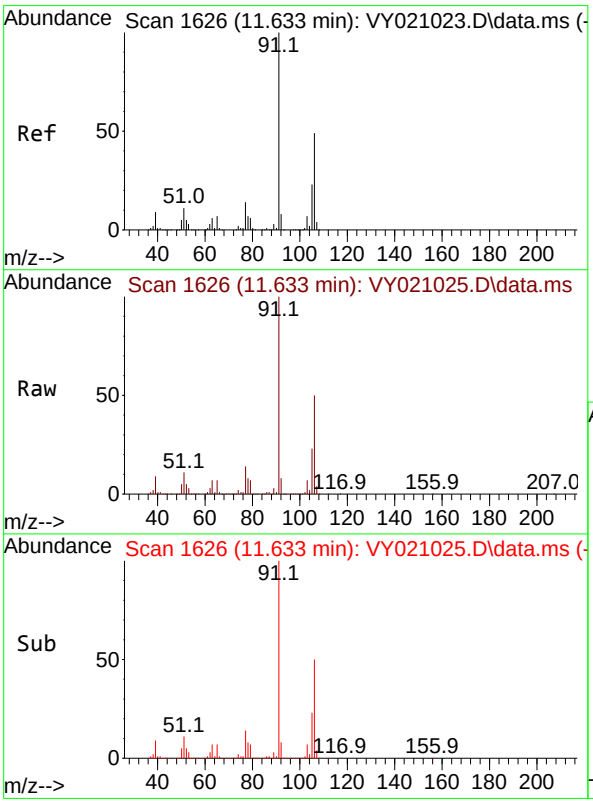
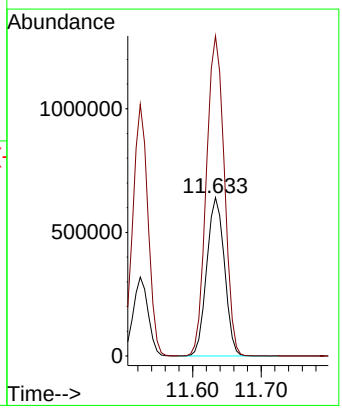
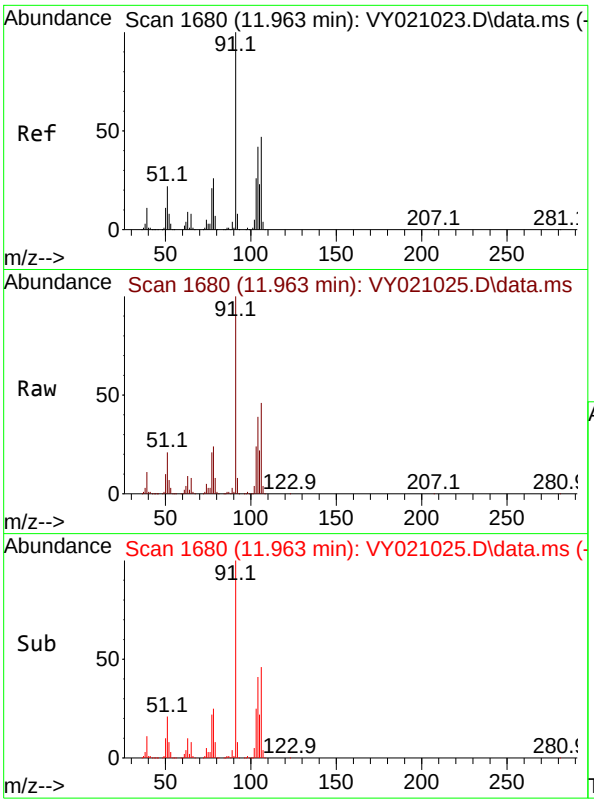


#68
m/p-Xylenes
Concen: 314.841 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:106 Resp: 1152452

Ion	Ratio	Lower	Upper
106	100		
91	204.9	160.7	241.1





#69
o-Xylene
Concen: 163.662 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:106 Resp: 54342

Ion	Ratio	Lower	Upper
106	100		
91	217.3	106.5	319.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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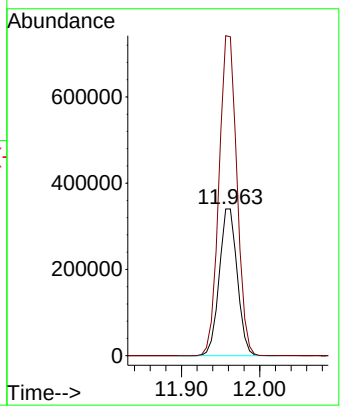
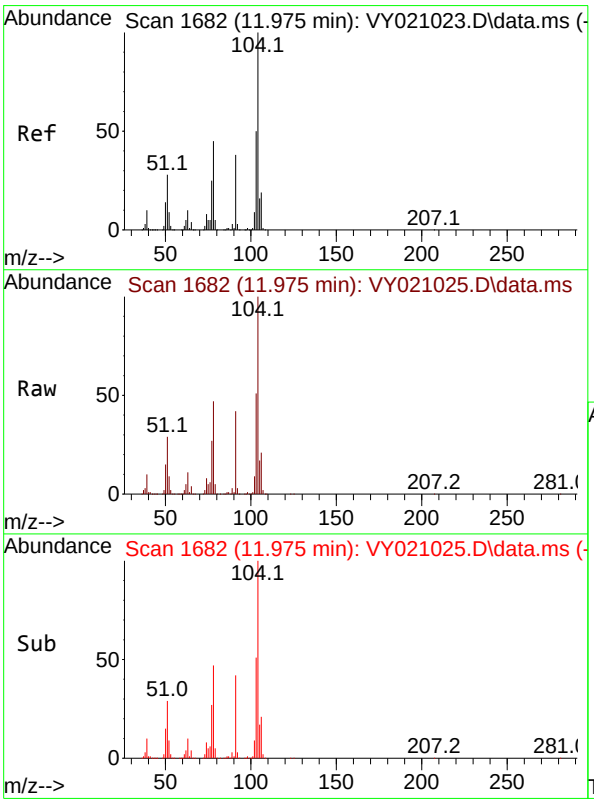
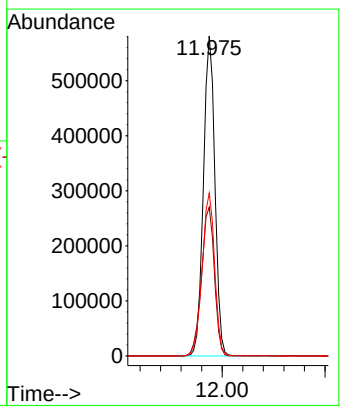


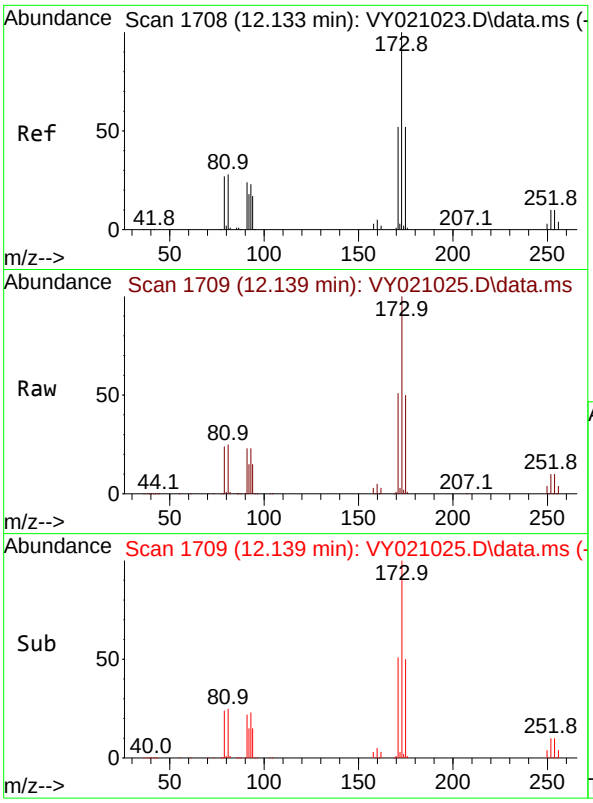


#70
Styrene
Concen: 172.776 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:104 Resp: 900989

Ion	Ratio	Lower	Upper
104	100		
78	52.1	39.2	58.8
103	55.3	43.8	65.6

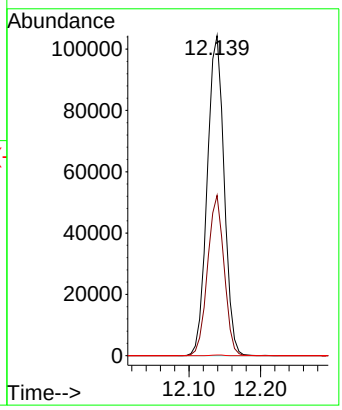




#71
Bromoform
Concen: 181.883 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:173 Resp: 17092

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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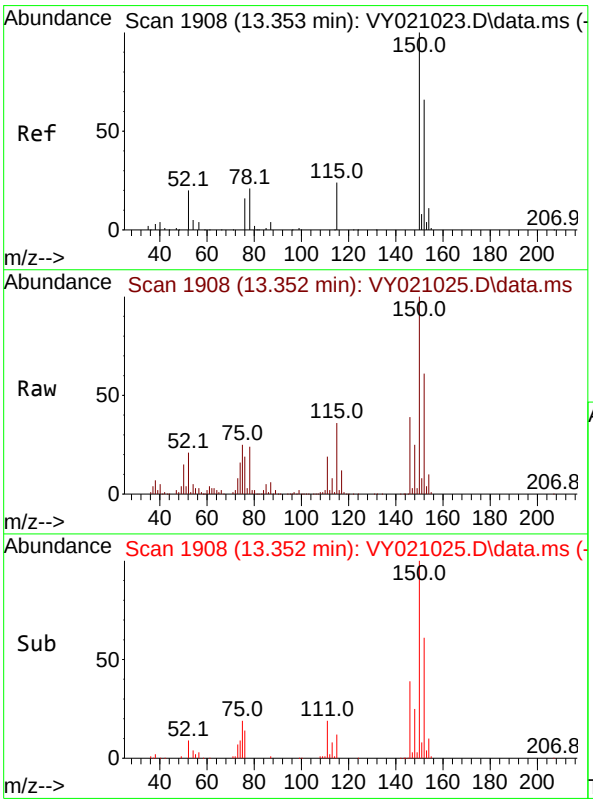
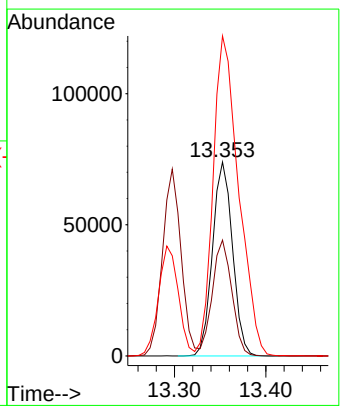
Supervised By :Semsettin Yesilyurt 02/04/2025

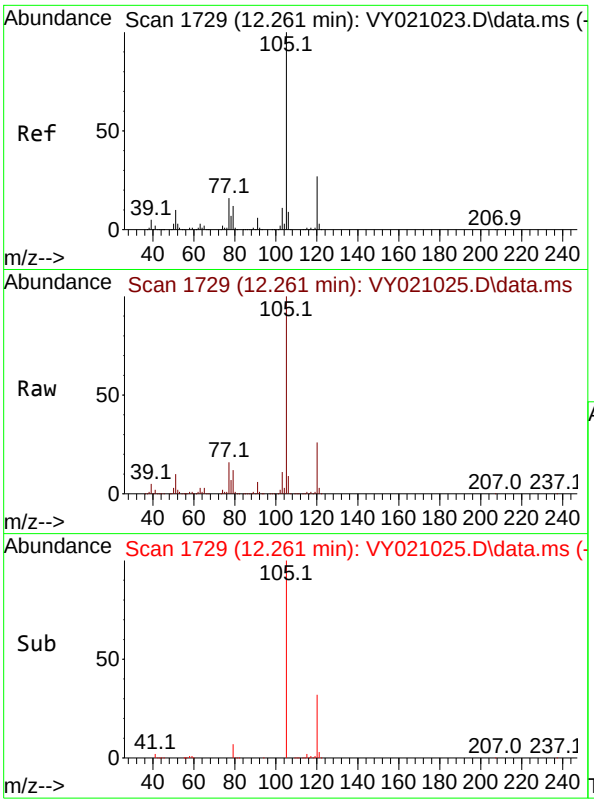


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:152 Resp: 112575

Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.0	90.0
150	210.4	0.0	344.6

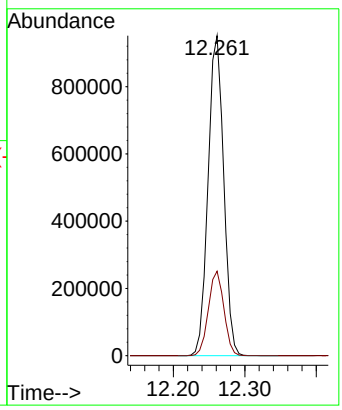




#73
Isopropylbenzene
Concen: 154.780 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 143964

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0



Instrument :
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ClientSampleId :
VSTDICC150

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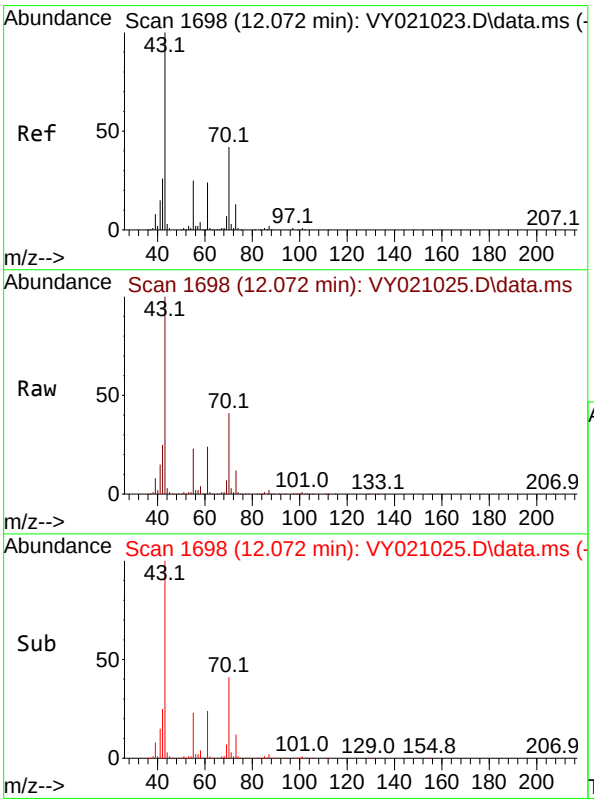
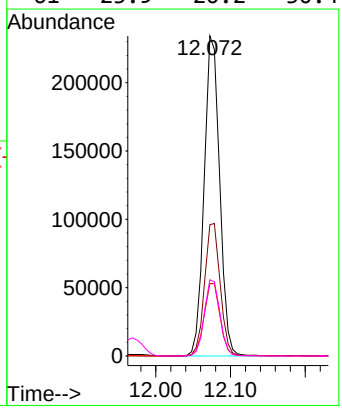
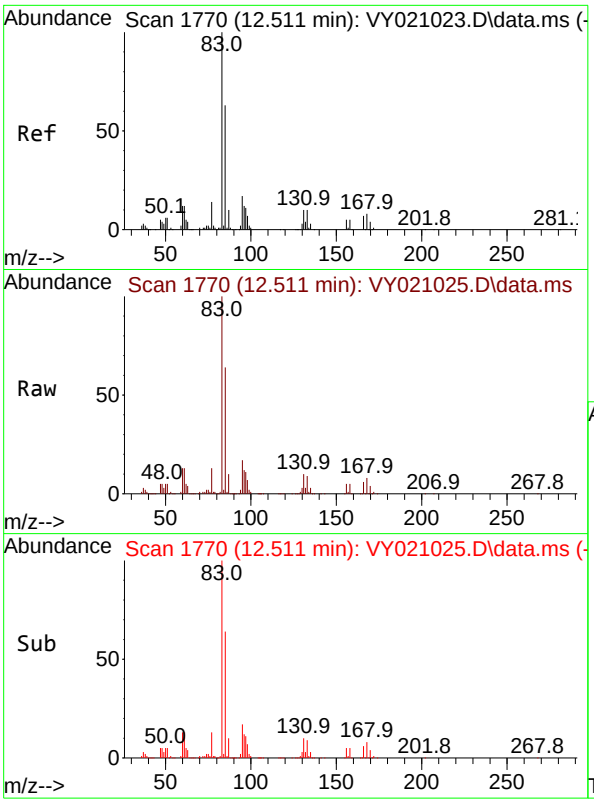


#74
N-amyl acetate
Concen: 180.383 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 337562

Ion	Ratio	Lower	Upper
43	100		
70	41.9	36.6	55.0
55	23.4	22.2	33.4
61	23.9	20.2	30.4

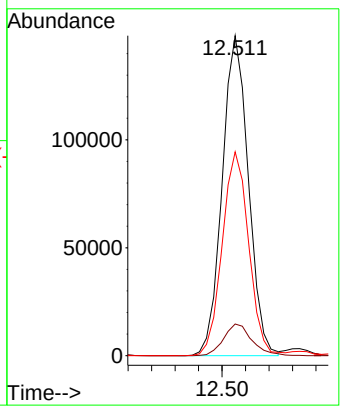




#75
1,1,2,2-Tetrachloroethane
Concen: 139.062 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 22957

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.6
85	64.5	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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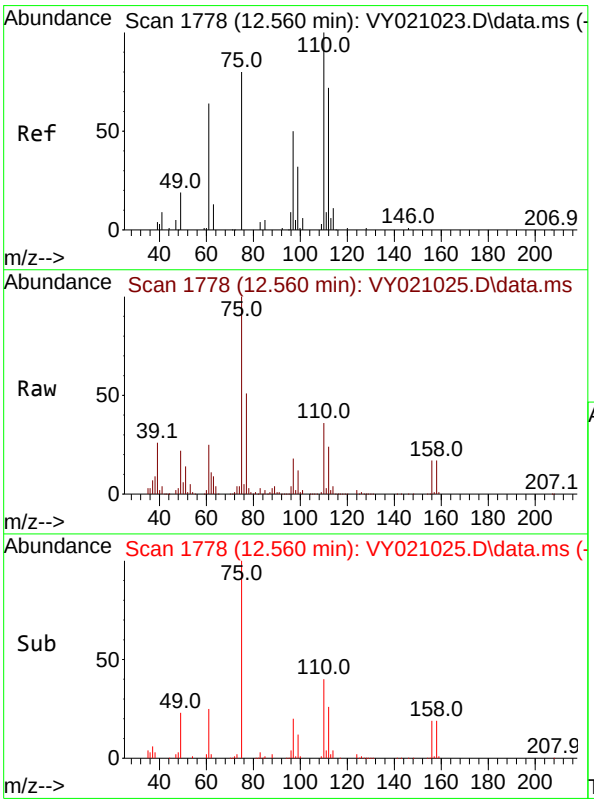
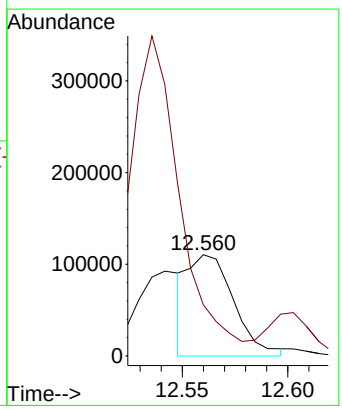
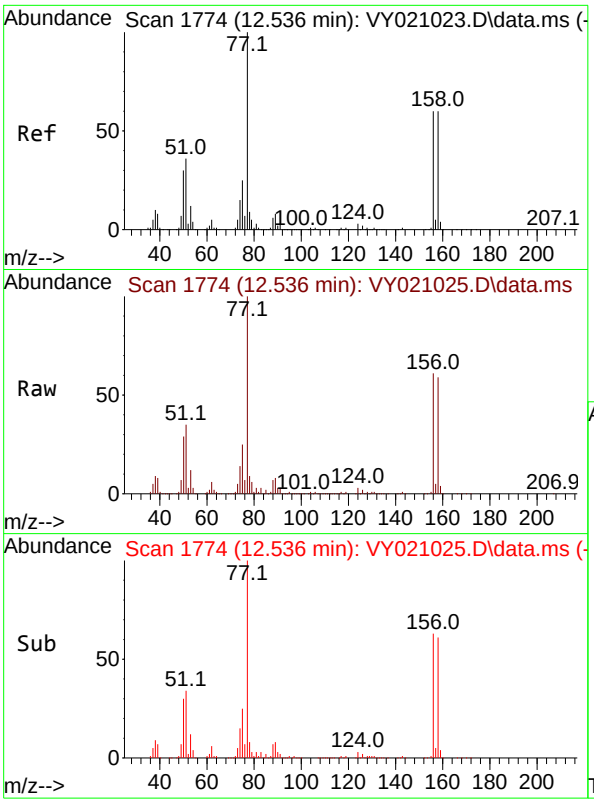


#76
1,2,3-Trichloropropane
Concen: 149.965 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 166289

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

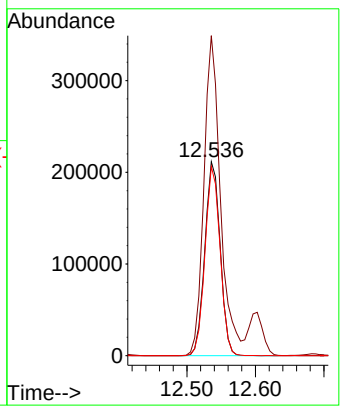




#77
Bromobenzene
Concen: 166.838 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:156 Resp: 33023

Ion	Ratio	Lower	Upper
156	100		
77	177.0	97.3	291.8
158	96.2	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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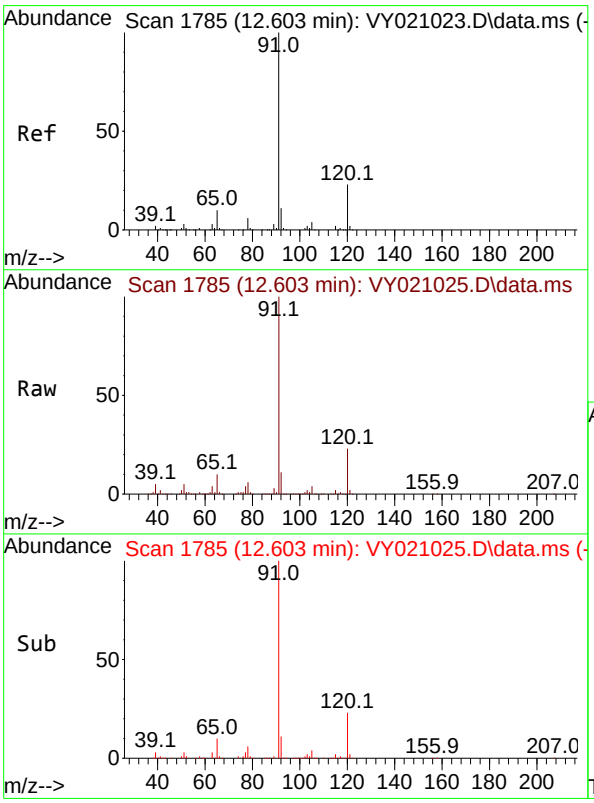
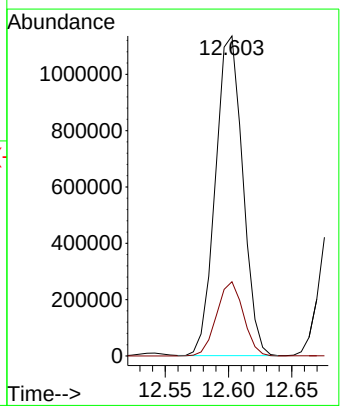
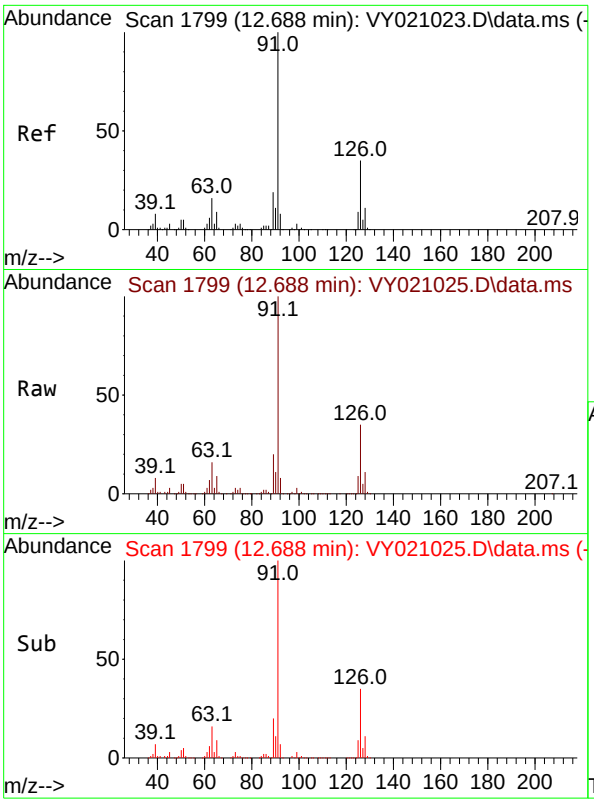


#78
n-propylbenzene
Concen: 149.261 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 1706799

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0





#79
2-Chlorotoluene
Concen: 153.047 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 96167

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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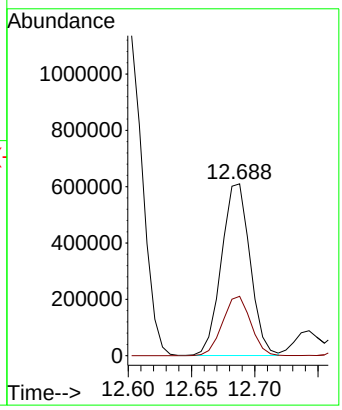
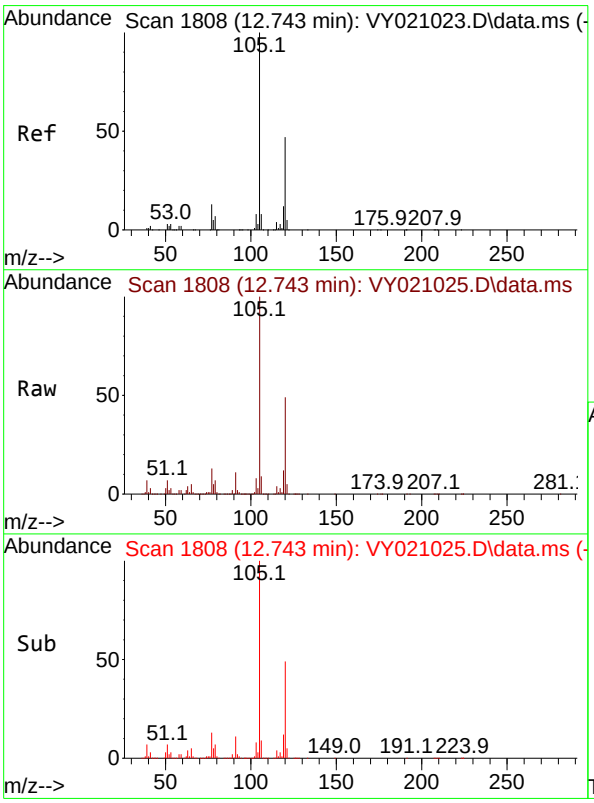
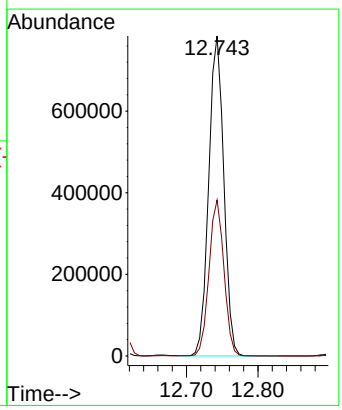


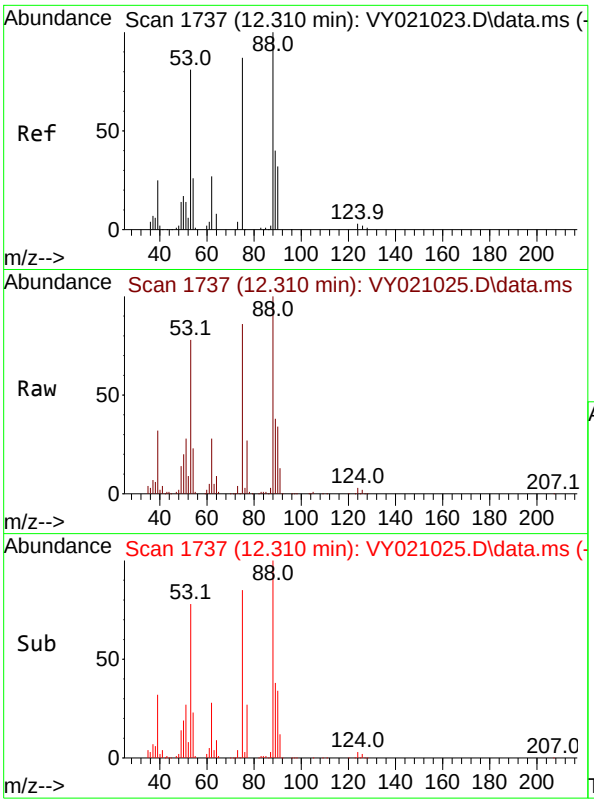


#80
1,3,5-Trimethylbenzene
Concen: 156.334 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1146647

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.8

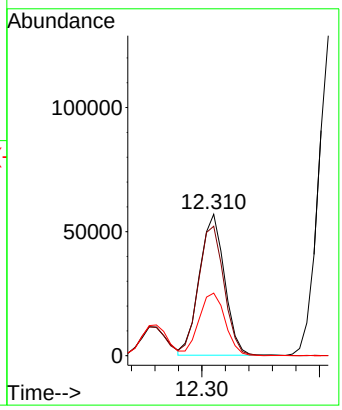




#81
trans-1,4-Dichloro-2-butene
Concen: 165.703 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 8450

Ion	Ratio	Lower	Upper
75	100		
53	94.3	74.0	111.0
89	46.7	36.5	54.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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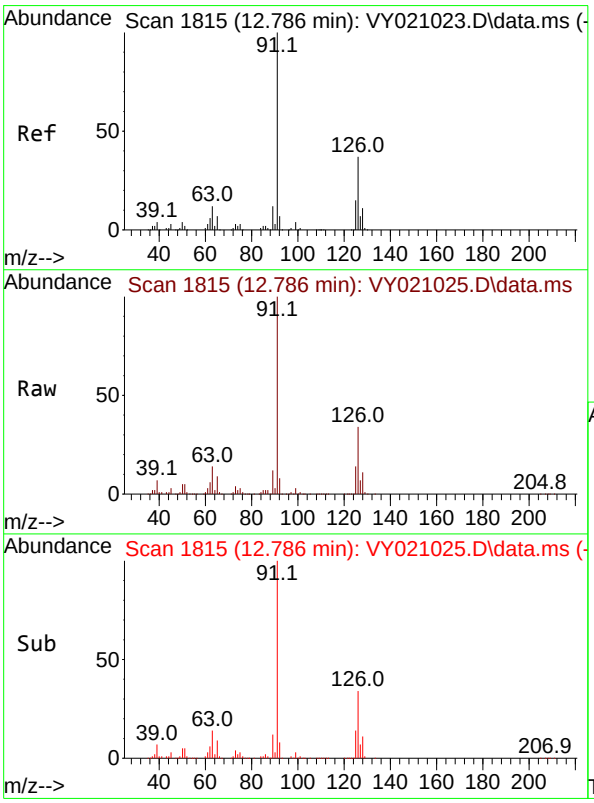
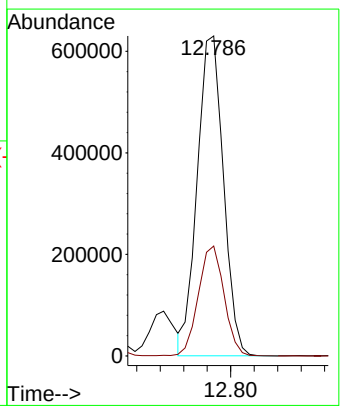
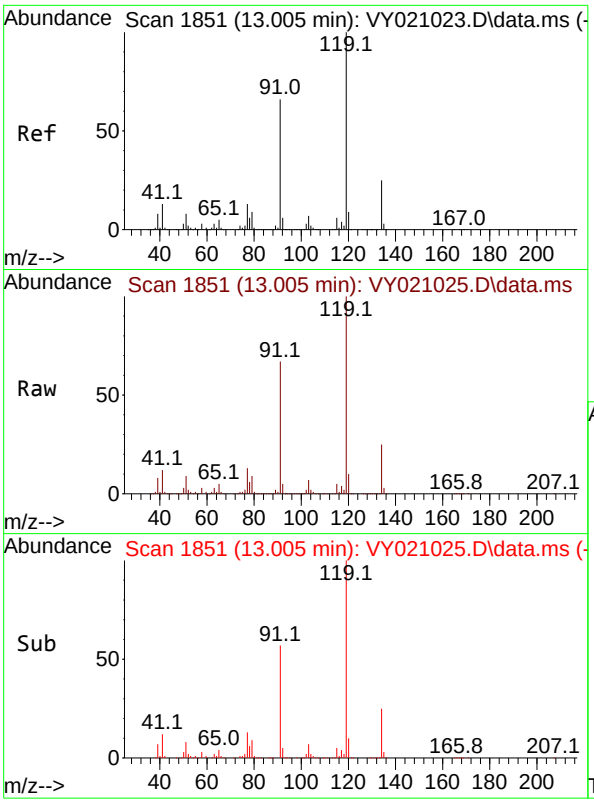


#82
4-Chlorotoluene
Concen: 151.120 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 973177

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.2

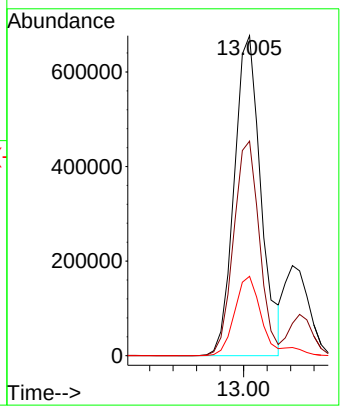




#83
tert-Butylbenzene
Concen: 164.670 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 106714

Ion	Ratio	Lower	Upper
119	100		
91	65.0	31.5	94.5
134	26.0	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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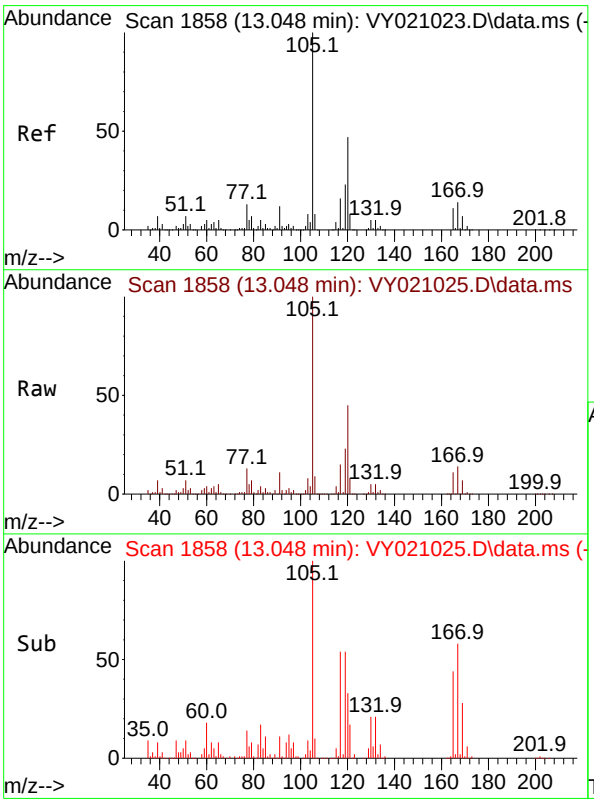
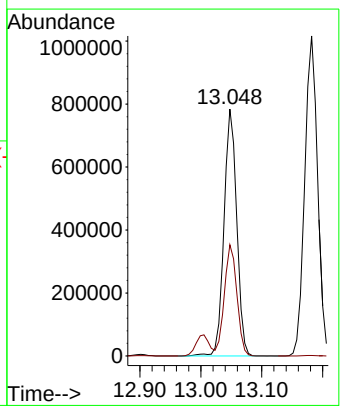
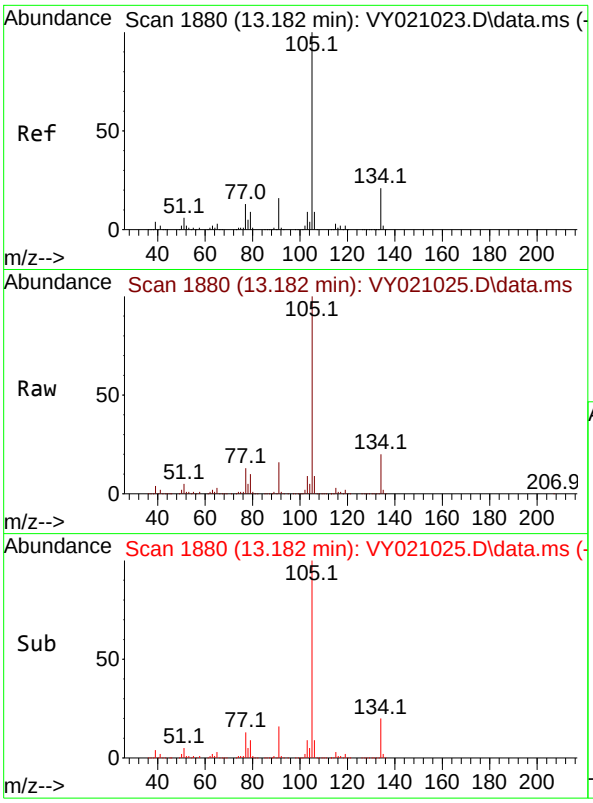


#84
1,2,4-Trimethylbenzene
Concen: 157.248 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1138490

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.3

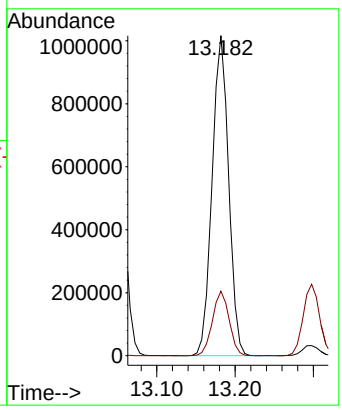




#85
sec-Butylbenzene
Concen: 152.184 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 149023

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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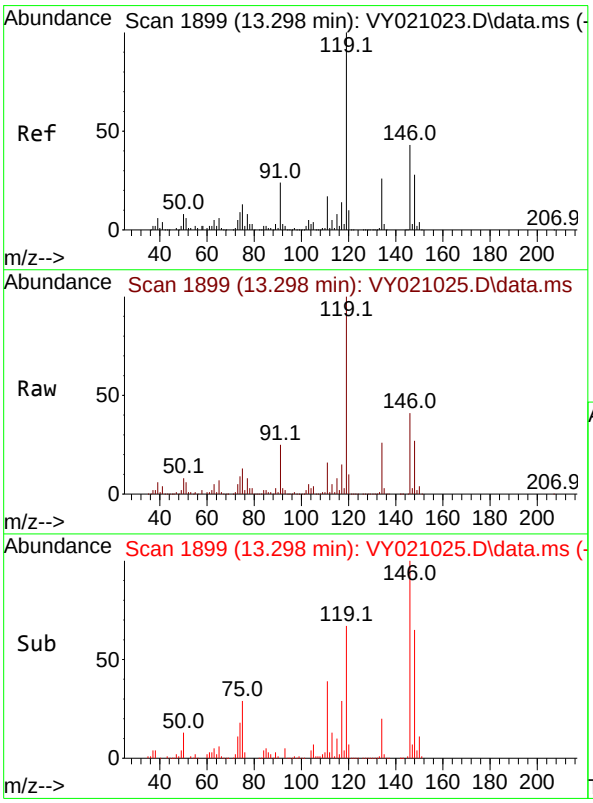
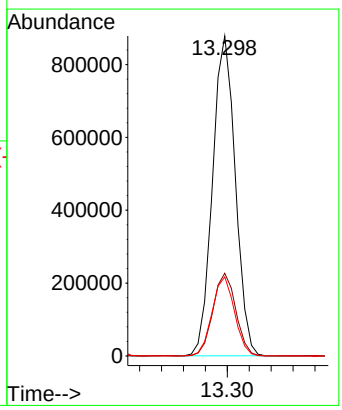
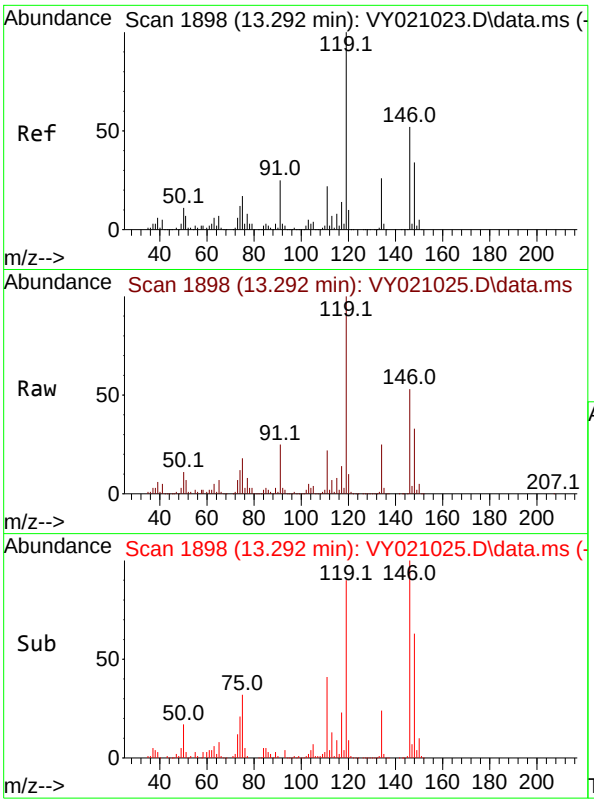


#86
p-Isopropyltoluene
Concen: 159.829 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 1267584

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	24.4	11.7	35.0

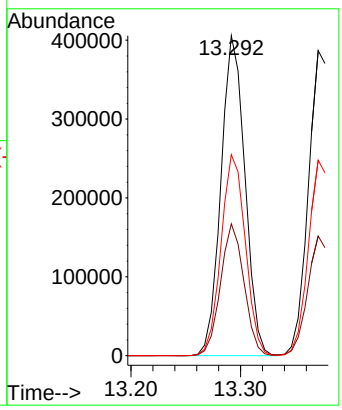




#87
1,3-Dichlorobenzene
Concen: 153.896 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 61594

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	63.7	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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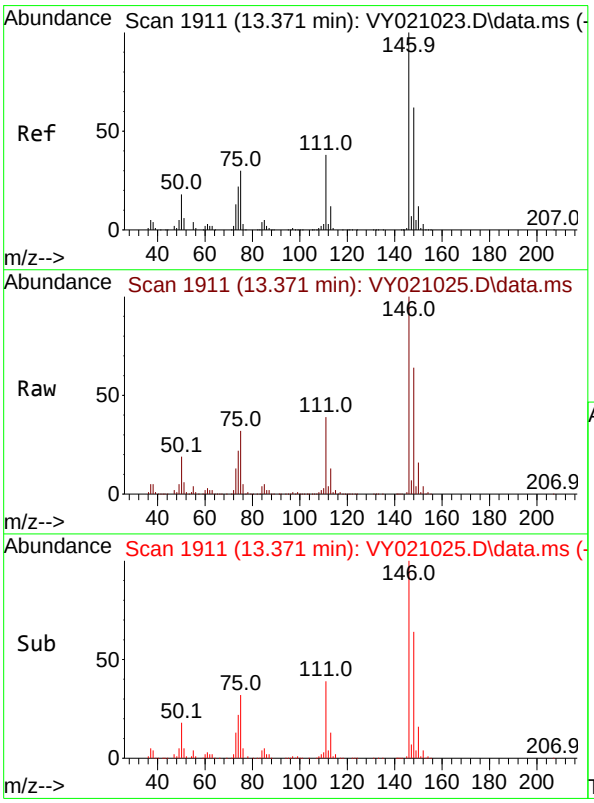
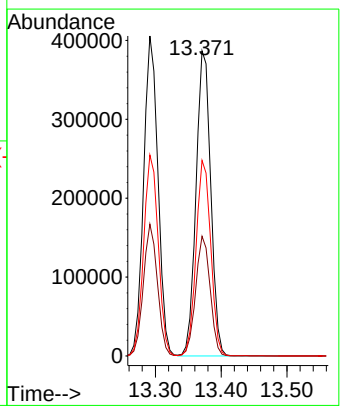
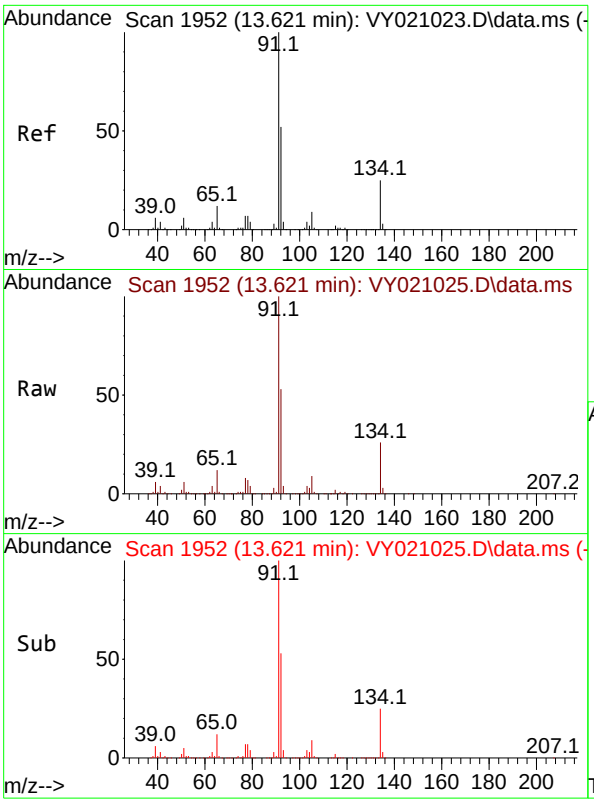


#88
1,4-Dichlorobenzene
Concen: 153.567 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 600370

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.8	31.6	94.7

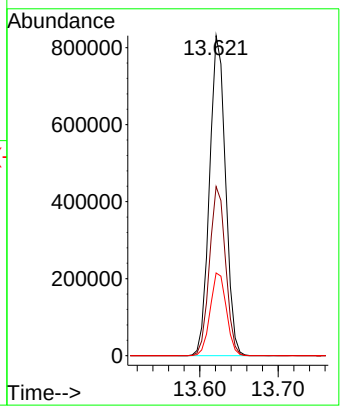




#89
n-Butylbenzene
Concen: 153.276 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 117276

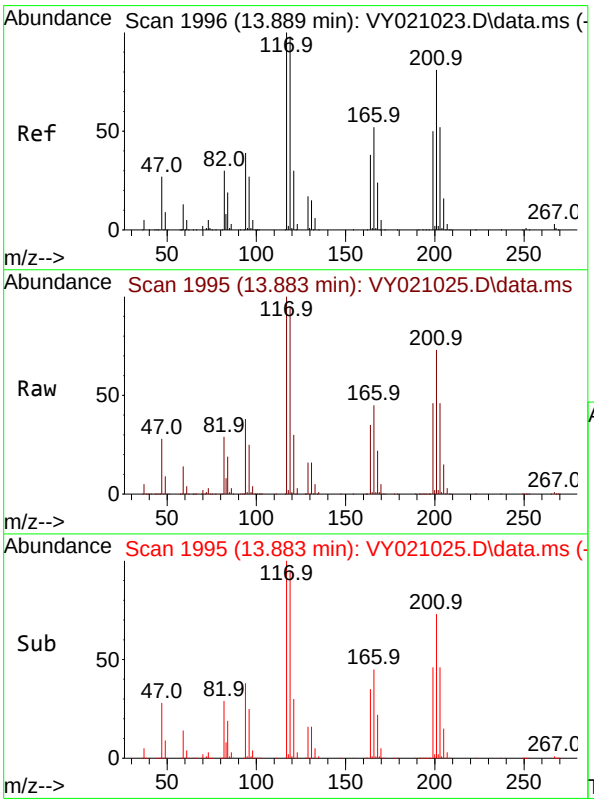
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	26.3	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

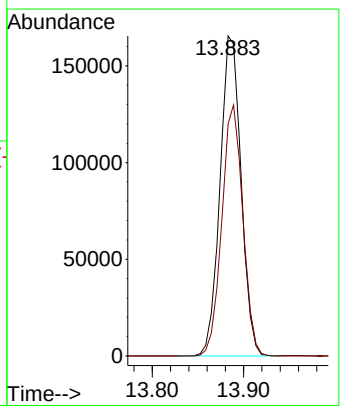
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

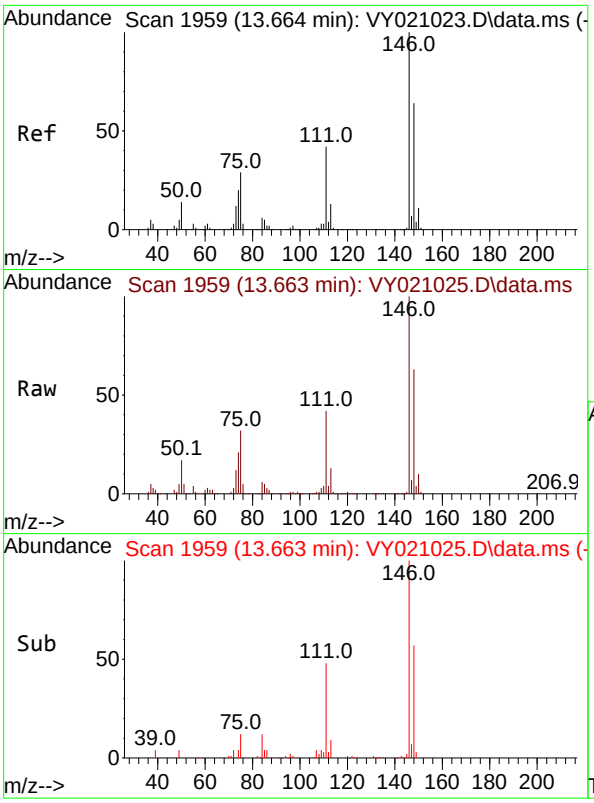


#90
Hexachloroethane
Concen: 160.566 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 264877

Ion	Ratio	Lower	Upper
117	100		
201	78.2	33.4	100.1

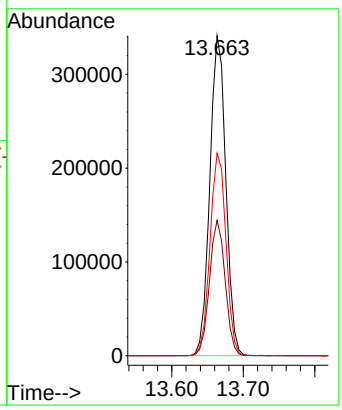




#91
1,2-Dichlorobenzene
Concen: 159.648 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 52914

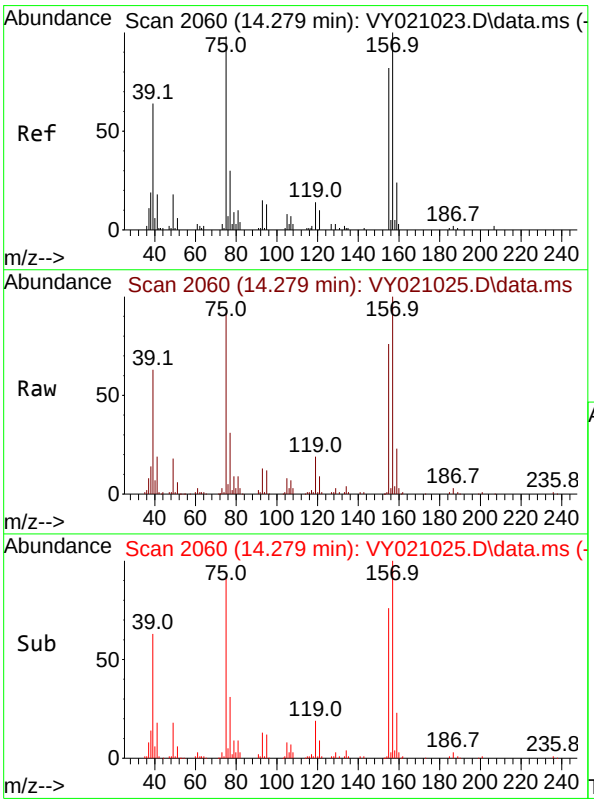
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	63.4	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

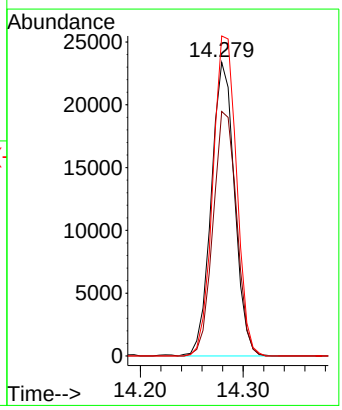
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

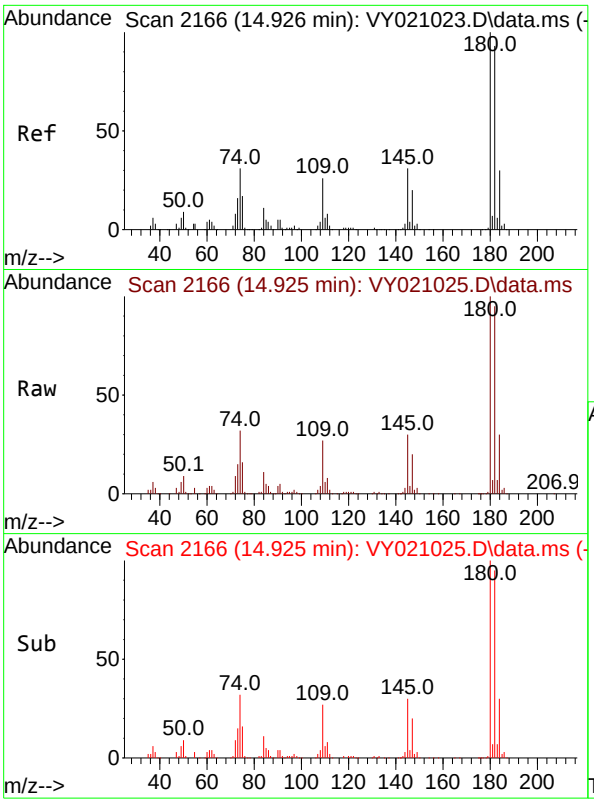


#92
1,2-Dibromo-3-Chloropropane
Concen: 173.904 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 36737

Ion	Ratio	Lower	Upper
75	100		
155	84.1	42.1	126.3
157	110.5	55.8	167.4

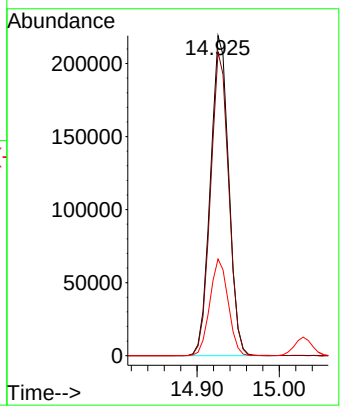




#93
1,2,4-Trichlorobenzene
Concen: 199.568 ug/l
RT: 14.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 33895

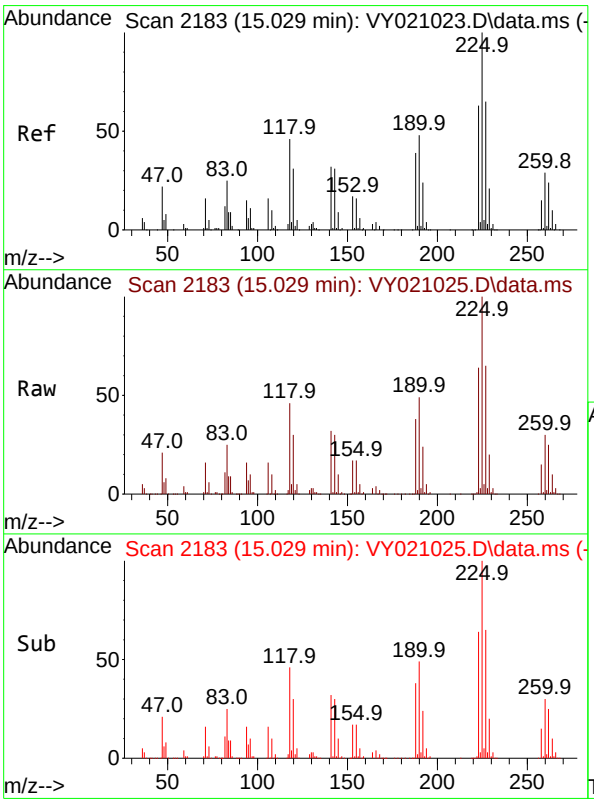
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.7
145	30.1	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

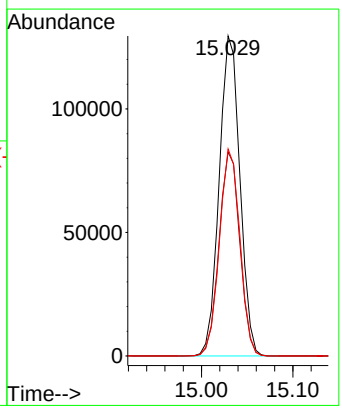
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

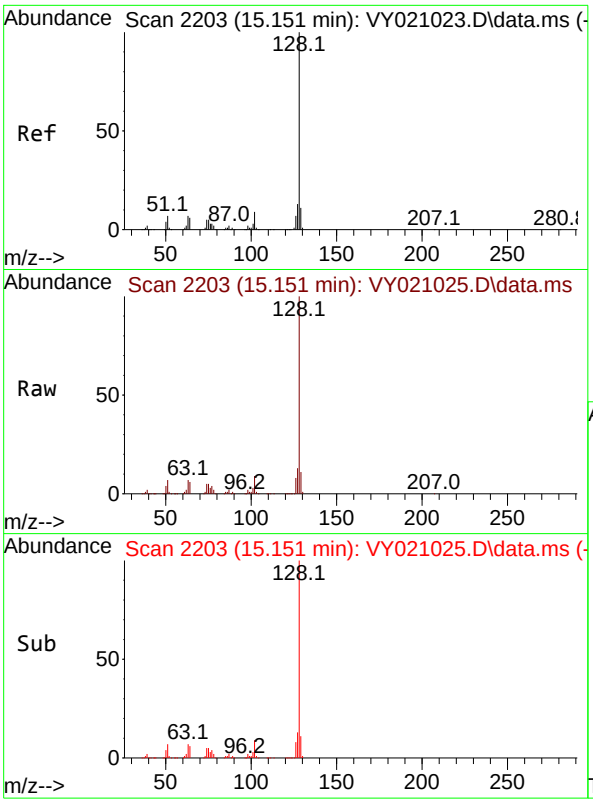


#94
Hexachlorobutadiene
Concen: 192.252 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:225 Resp: 204211

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.4	94.3
227	64.1	32.3	96.8

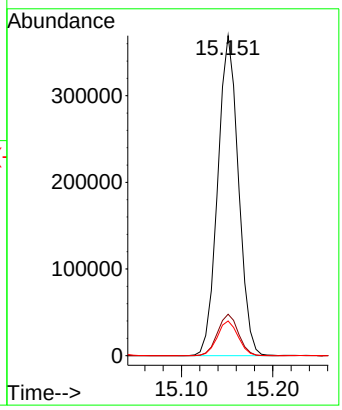




#95
Naphthalene
Concen: 199.946 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:128 Resp: 58199

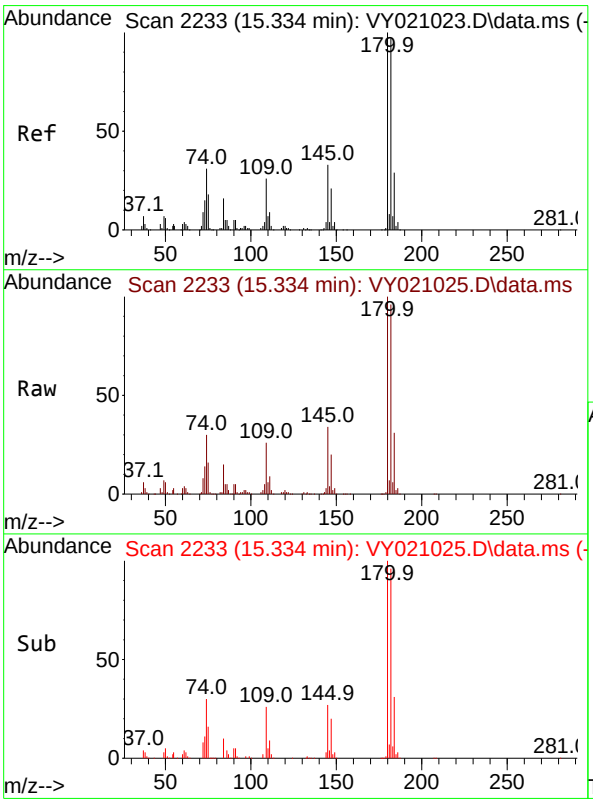
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

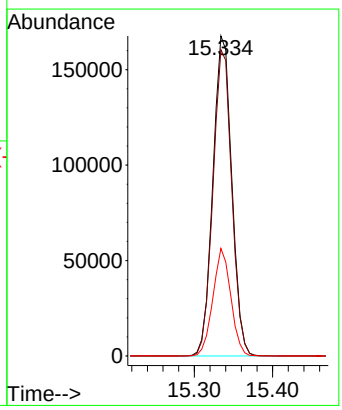
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 197.311 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 280907

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.3	138.8
145	31.9	16.1	48.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	186133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	280950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	237569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	104134	54.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.200%			
35) Dibromofluoromethane	7.640	113	104051	57.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.580%			
50) Toluene-d8	10.109	98	411045	59.966	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 119.940%			
62) 4-Bromofluorobenzene	12.407	95	131943	58.919	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86748	52.290	ug/l	98
3) Chloromethane	2.074	50	85135	52.006	ug/l	100
4) Vinyl Chloride	2.208	62	84130	51.058	ug/l	99
5) Bromomethane	2.598	94	53592	52.624	ug/l	94
6) Chloroethane	2.738	64	48969	49.925	ug/l	96
7) Trichlorofluoromethane	3.068	101	155690	51.864	ug/l	99
8) Diethyl Ether	3.458	74	43771	46.708	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	97040	51.507	ug/l	95
10) Methyl Iodide	4.013	142	102264	48.858	ug/l	95
11) Tert butyl alcohol	4.860	59	27677	214.161	ug/l	96
12) 1,1-Dichloroethene	3.793	96	91949	51.810	ug/l	92
13) Acrolein	3.653	56	46827	235.305	ug/l	100
14) Allyl chloride	4.391	41	151536	50.663	ug/l	96
15) Acrylonitrile	5.061	53	89881	230.328	ug/l	99
16) Acetone	3.866	43	72566	243.997	ug/l	96
17) Carbon Disulfide	4.110	76	289409	52.004	ug/l	99
18) Methyl Acetate	4.391	43	48057	46.031	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	213244	47.538	ug/l	100
20) Methylene Chloride	4.628	84	91358	49.414	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	98665	50.506	ug/l	94
22) Diisopropyl ether	6.024	45	304603	49.407	ug/l	98
23) Vinyl Acetate	5.964	43	819243	238.370	ug/l	100
24) 1,1-Dichloroethane	5.921	63	179904	49.806	ug/l	97
25) 2-Butanone	6.896	43	114117	233.503	ug/l	96
26) 2,2-Dichloropropane	6.890	77	169757	50.791	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	111947	49.785	ug/l	94
28) Bromochloromethane	7.250	49	78173	54.731	ug/l	99
29) Tetrahydrofuran	7.262	42	75445	228.139	ug/l	96
30) Chloroform	7.427	83	181229	48.846	ug/l	97
31) Cyclohexane	7.707	56	162806	50.051	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	174612	50.620	ug/l	99
36) 1,1-Dichloropropene	7.841	75	140344	52.625	ug/l	99
37) Ethyl Acetate	6.988	43	54994	47.006	ug/l	100
38) Carbon Tetrachloride	7.823	117	161137	51.711	ug/l	100
39) Methylcyclohexane	9.115	83	176554	54.123	ug/l	97
40) Benzene	8.085	78	399547	51.052	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	29193	43.131	ug/l		98
42) 1,2-Dichloroethane	8.164	62	104015	47.910	ug/l		97
43) Isopropyl Acetate	8.201	43	110476	47.523	ug/l		98
44) Trichloroethene	8.872	130	102671	50.777	ug/l		95
45) 1,2-Dichloropropane	9.146	63	92259	49.666	ug/l		99
46) Dibromomethane	9.237	93	48251	46.914	ug/l		95
47) Bromodichloromethane	9.426	83	134607	48.799	ug/l		99
48) Methyl methacrylate	9.225	41	52480	49.560	ug/l		93
49) 1,4-Dioxane	9.231	88	9588	1001.398	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	276605	236.615	ug/l		97
52) Toluene	10.176	92	251287	51.135	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	123718	49.950	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	148244	50.550	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	62357	46.820	ug/l		99
56) Ethyl methacrylate	10.444	69	87450	49.082	ug/l		93
57) 1,3-Dichloropropane	10.719	76	110606	47.980	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	213481	251.852	ug/l		99
59) 2-Hexanone	10.761	43	180455	239.750	ug/l		96
60) Dibromochloromethane	10.914	129	90009	48.123	ug/l		100
61) 1,2-Dibromoethane	11.017	107	59039	47.325	ug/l		100
64) Tetrachloroethene	10.652	164	92493	52.446	ug/l		95
65) Chlorobenzene	11.444	112	268544	50.766	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.523	131	94662	50.356	ug/l		98
67) Ethyl Benzene	11.523	91	492537	52.642	ug/l		99
68) m/p-Xylenes	11.633	106	367445	104.978	ug/l		98
69) o-Xylene	11.956	106	169897	52.062	ug/l		96
70) Styrene	11.975	104	282879	52.009	ug/l		99
71) Bromoform	12.133	173	50400	48.166	ug/l	#	99
73) Isopropylbenzene	12.255	105	467245	53.377	ug/l		99
74) N-amyl acetate	12.072	43	94701	49.483	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	68636	47.145	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	47988m	47.207	ug/l		
77) Bromobenzene	12.536	156	101991	50.490	ug/l		93
78) n-propylbenzene	12.596	91	558013	53.513	ug/l		98
79) 2-Chlorotoluene	12.682	91	310097	51.922	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	375018	52.840	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	24332	48.841	ug/l		98
82) 4-Chlorotoluene	12.779	91	313949	51.594	ug/l		100
83) tert-Butylbenzene	13.005	119	348046	53.952	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	370353	53.370	ug/l		99
85) sec-Butylbenzene	13.182	105	494957	53.301	ug/l		98
86) p-Isopropyltoluene	13.298	119	411332	53.325	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	198405	50.868	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	193207	50.309	ug/l		99
89) n-Butylbenzene	13.621	91	384473	54.636	ug/l		99
90) Hexachloroethane	13.883	117	82908	51.521	ug/l		84
91) 1,2-Dichlorobenzene	13.663	146	168238	49.696	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10000	45.965	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	98409	52.224	ug/l		99
94) Hexachlorobutadiene	15.029	225	65883	52.760	ug/l		99
95) Naphthalene	15.151	128	154493	51.245	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	79793	50.882	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

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

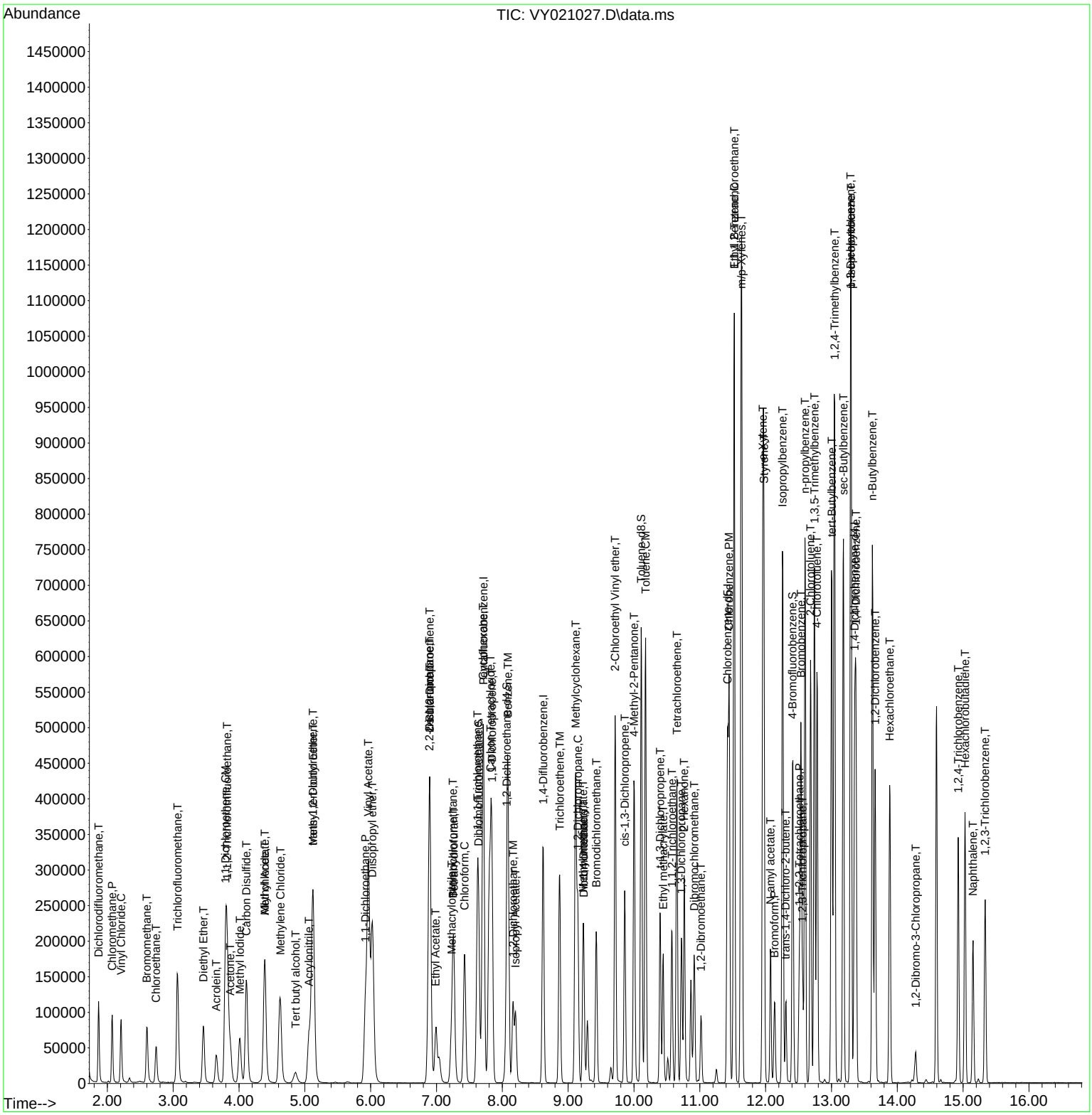
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

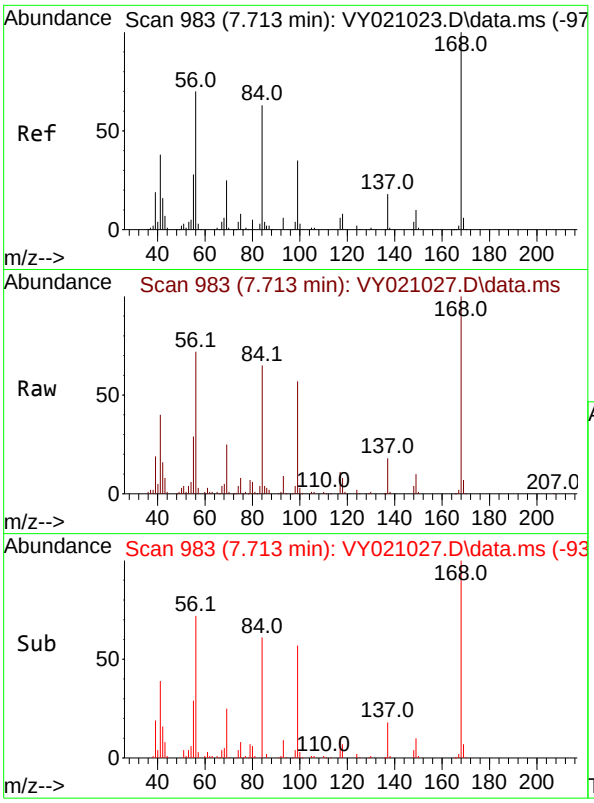
Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

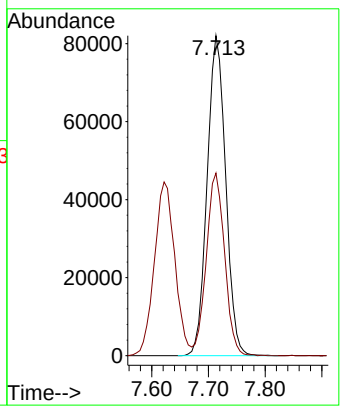
Tgt Ion:168 Resp: 18613

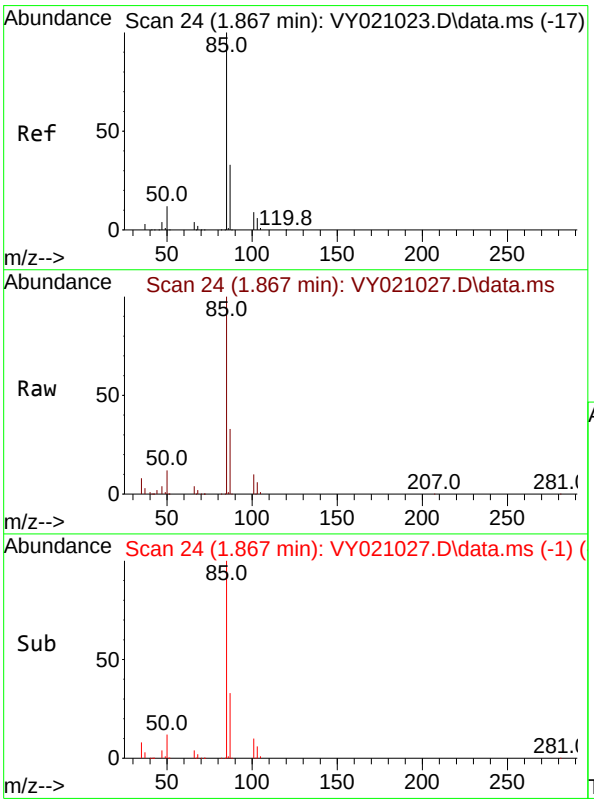
Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

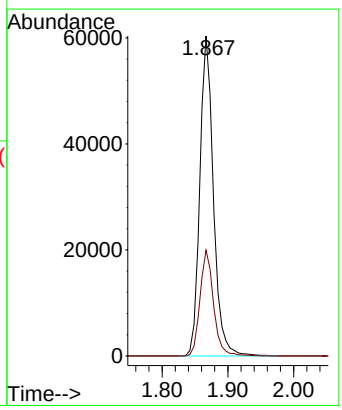


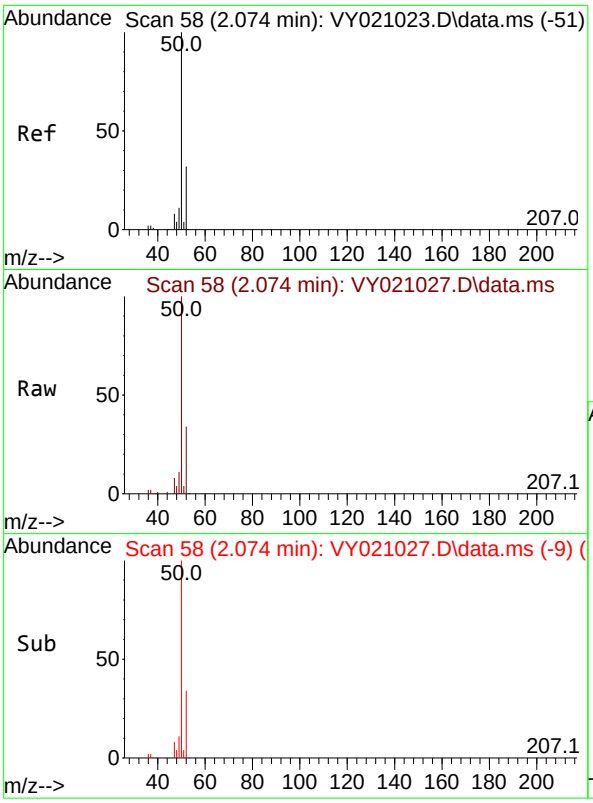


#2
Dichlorodifluoromethane
Concen: 52.290 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 85 Resp: 86748

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.1	51.3

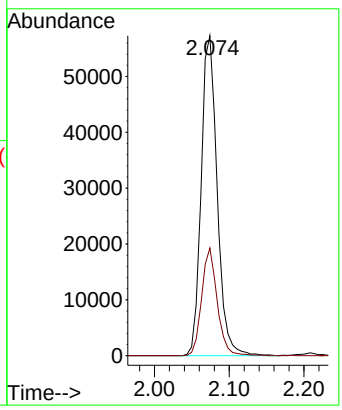




#3
Chloromethane
Concen: 52.006 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 50 Resp: 8513

Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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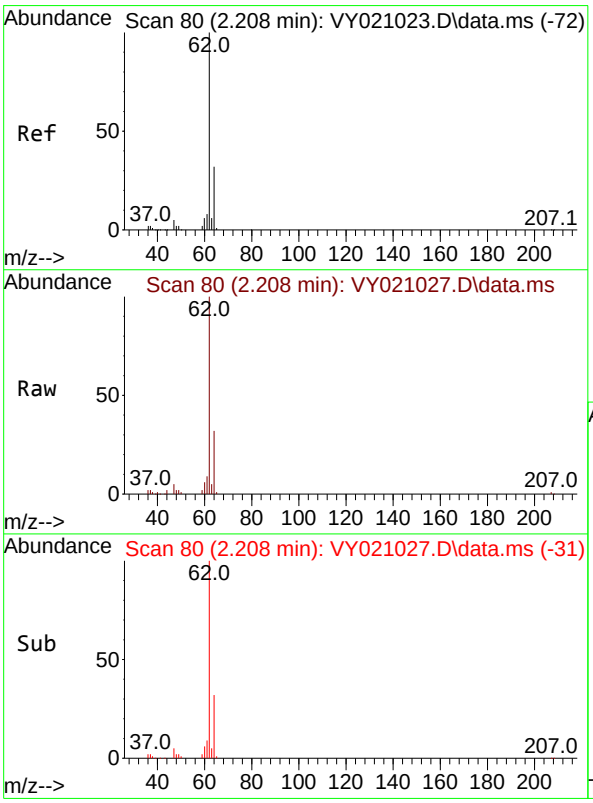
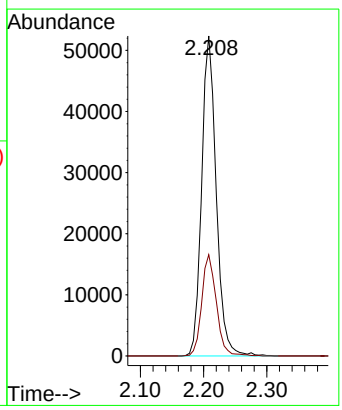
Supervised By :Semsettin Yesilyurt 02/04/2025

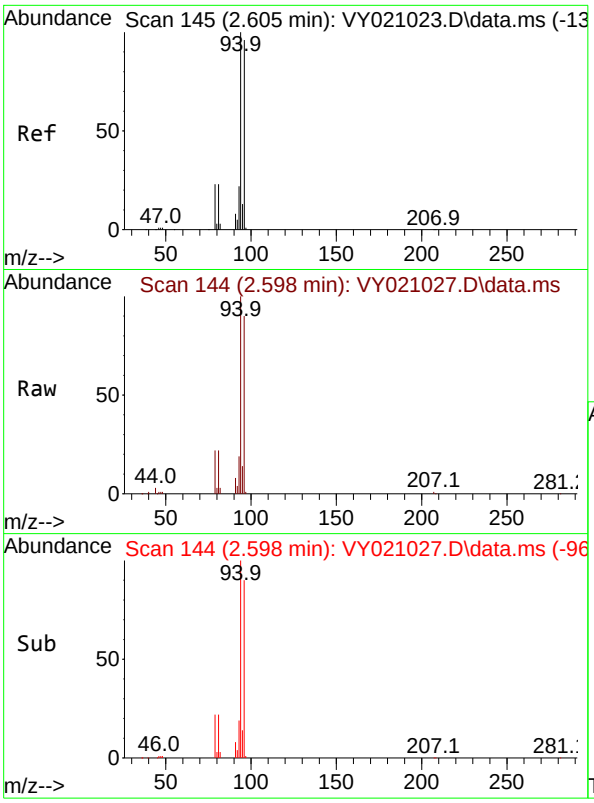


#4
Vinyl Chloride
Concen: 51.058 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 84130

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.7	38.5





#5
Bromomethane
Concen: 52.624 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 94 Resp: 5359

Ion	Ratio	Lower	Upper
94	100		
96	90.5	77.3	115.9

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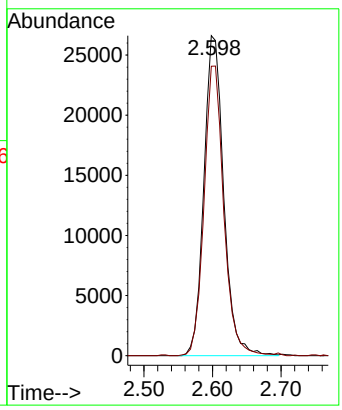
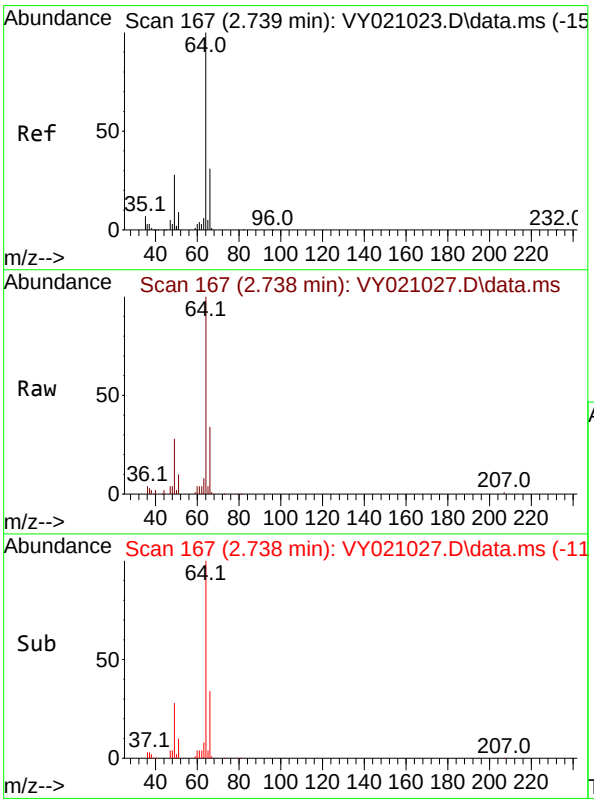
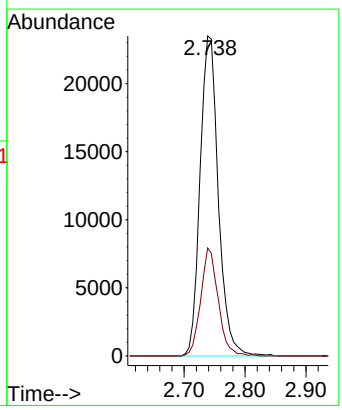


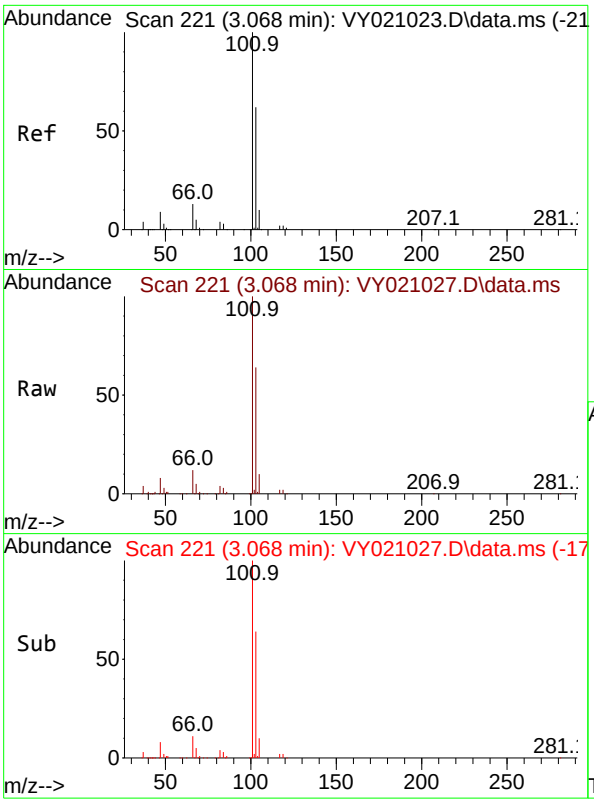


#6
Chloroethane
Concen: 49.925 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 64 Resp: 48969

Ion	Ratio	Lower	Upper
64	100		
66	33.8	25.1	37.7

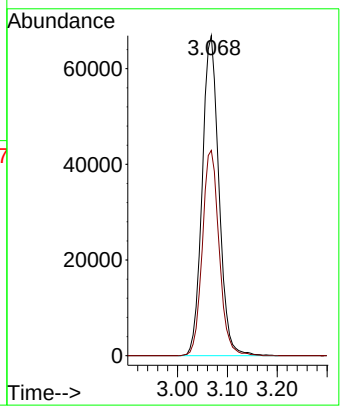




#7
Trichlorofluoromethane
Concen: 51.864 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:101 Resp: 15569

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.9	77.9



Instrument :
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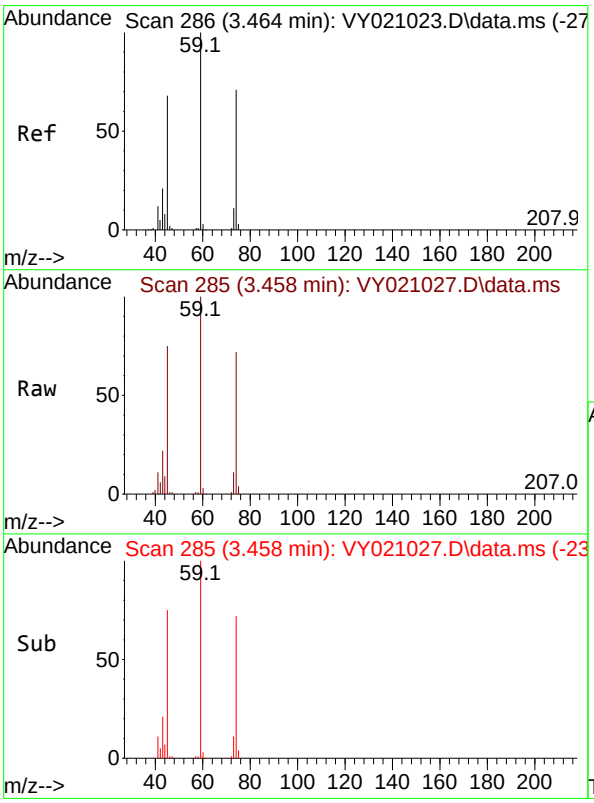
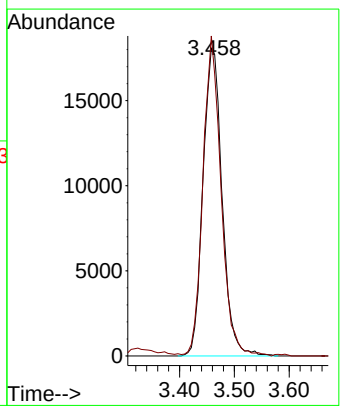
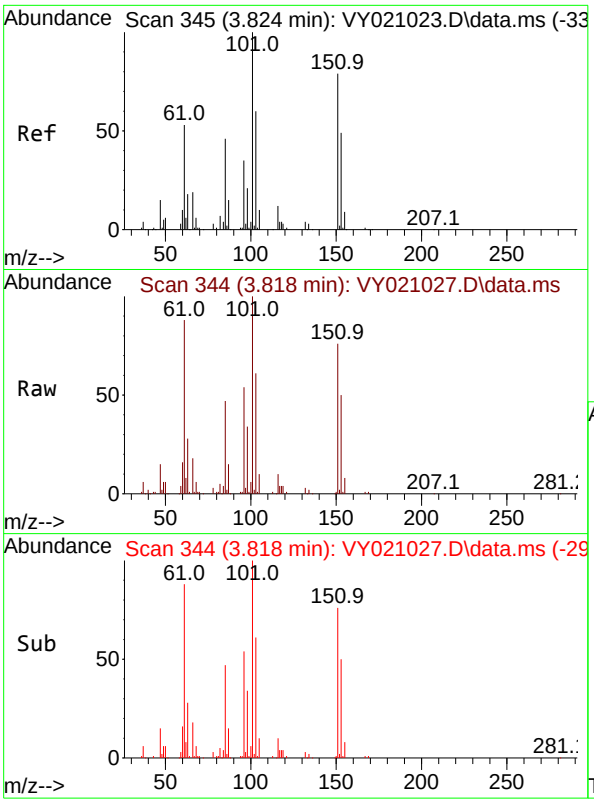


#8
Diethyl Ether
Concen: 46.708 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 74 Resp: 43771

Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.507 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:101 Resp: 9704

Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.8	53.6
151	79.3	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
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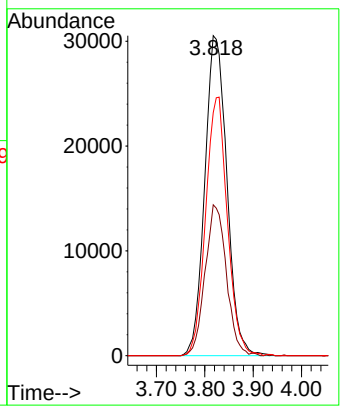
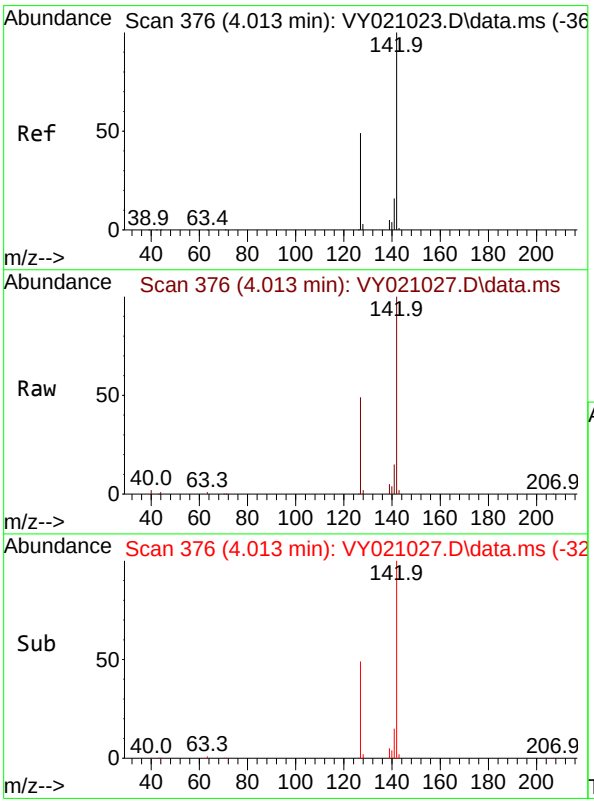
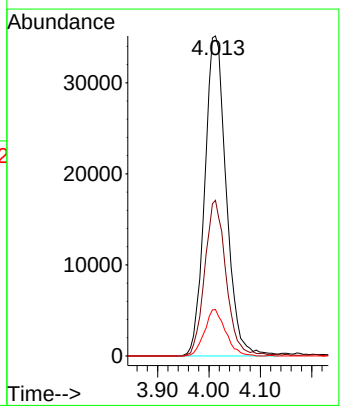


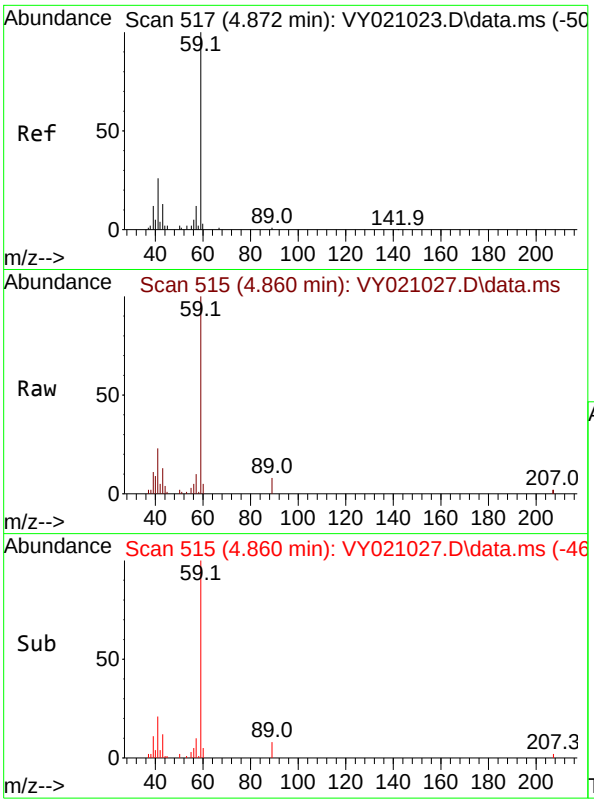


#10
Methyl Iodide
Concen: 48.858 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:142 Resp: 102264

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.1	52.7
141	14.2	11.8	17.6

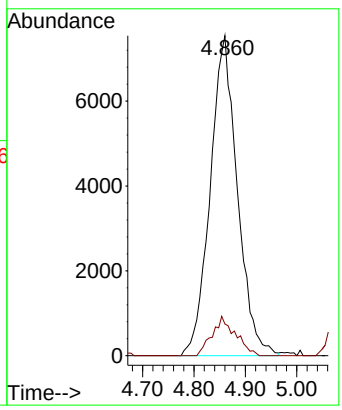




#11
Tert butyl alcohol
Concen: 214.161 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 59 Resp: 2767

Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.4	11.0



Instrument :
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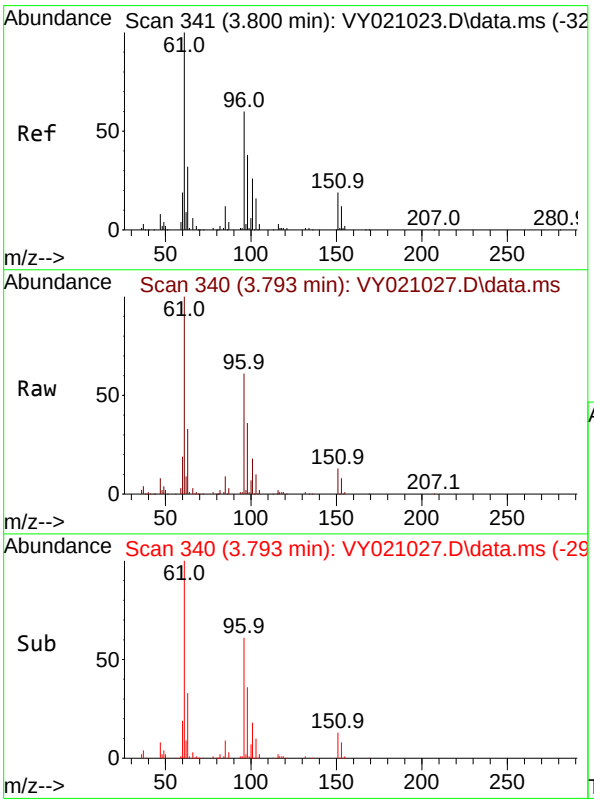
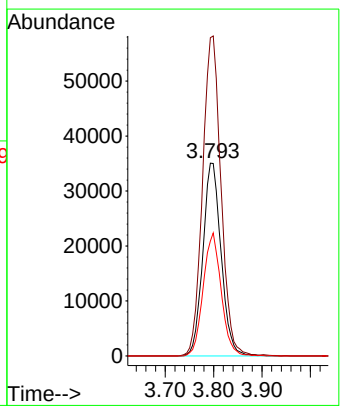
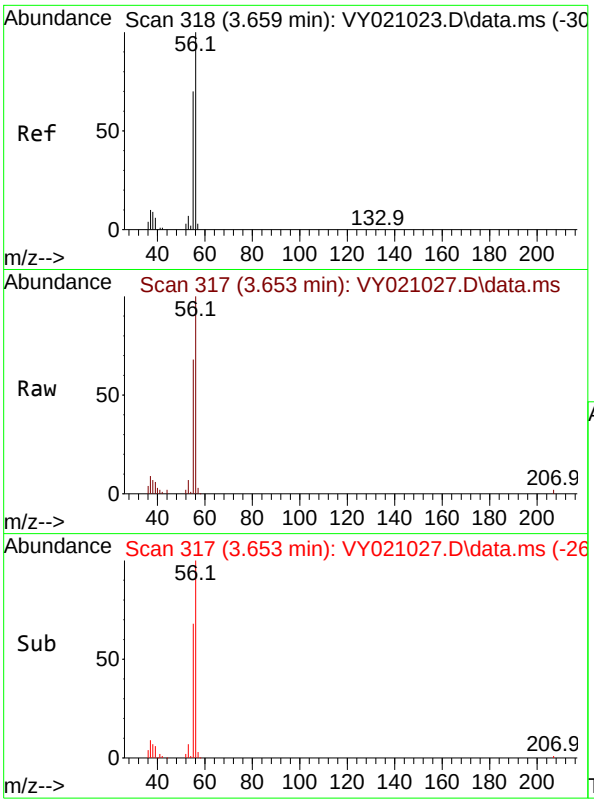


#12
1,1-Dichloroethene
Concen: 51.810 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 91949

Ion	Ratio	Lower	Upper
96	100		
61	165.0	124.2	186.2
98	59.6	52.6	79.0

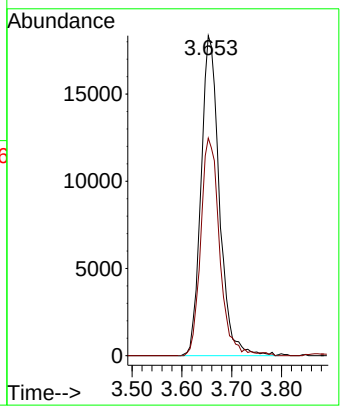




#13
Acrolein
Concen: 235.305 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 56 Resp: 4682

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
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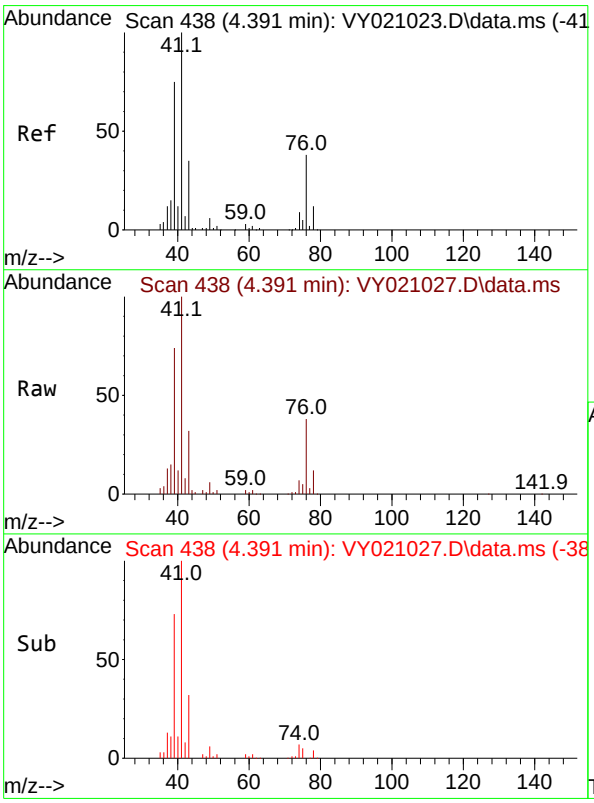
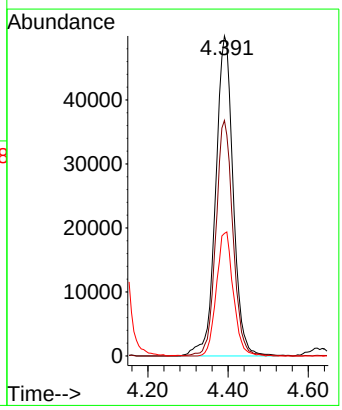
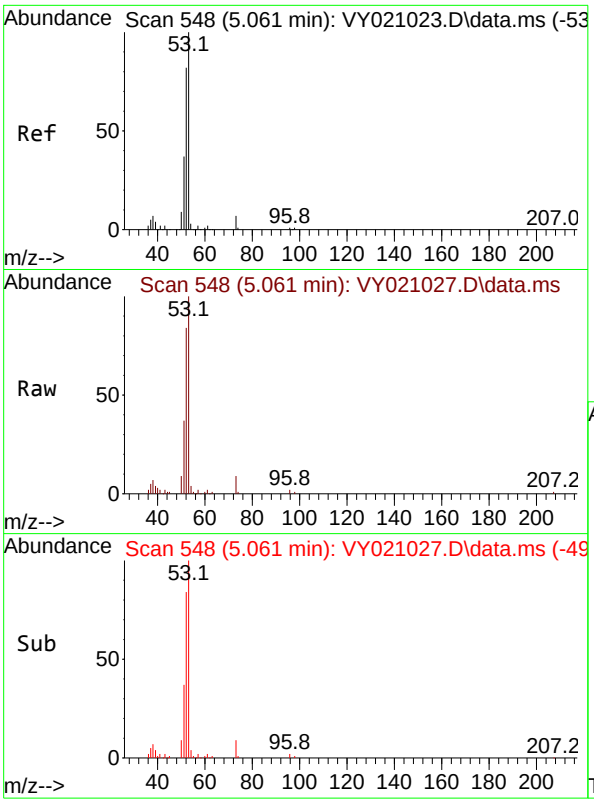


#14
Allyl chloride
Concen: 50.663 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 151536

Ion	Ratio	Lower	Upper
41	100		
39	71.4	54.7	82.1
76	37.3	31.8	47.6





#15
Acrylonitrile
Concen: 230.328 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 53 Resp: 8988

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	37.6	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
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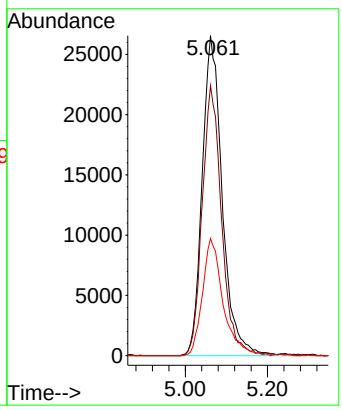
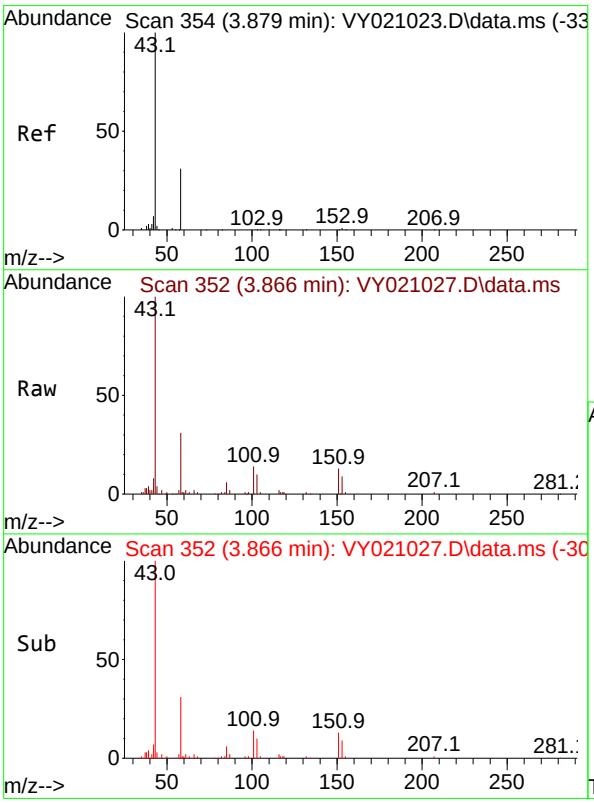
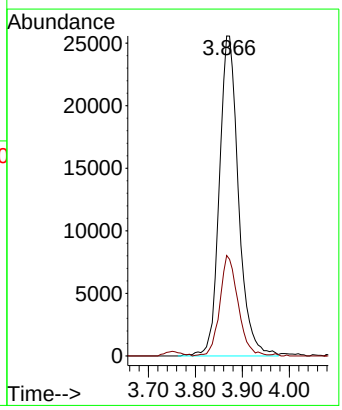


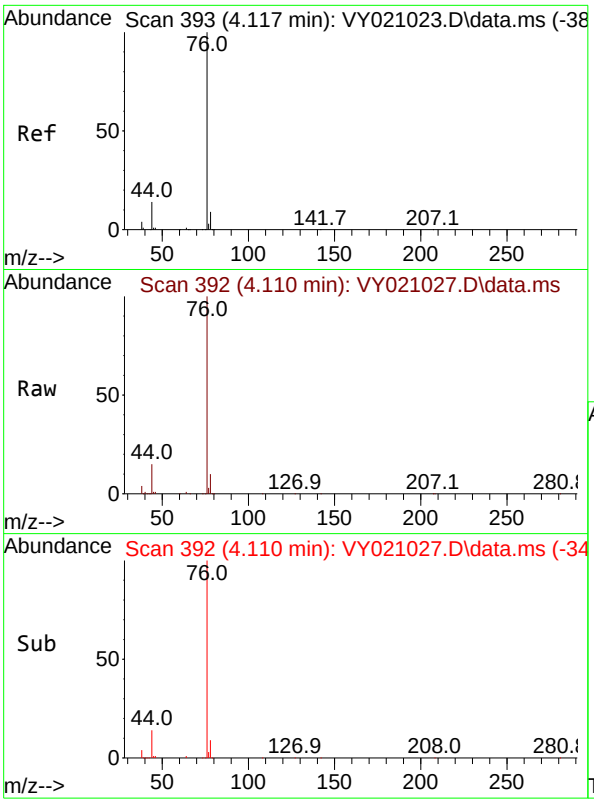


#16
Acetone
Concen: 243.997 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 72566

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.6	39.8

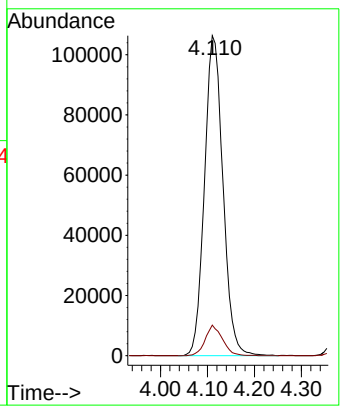




#17
Carbon Disulfide
Concen: 52.004 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 76 Resp: 28940

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0



Instrument :
MSVOA_Y
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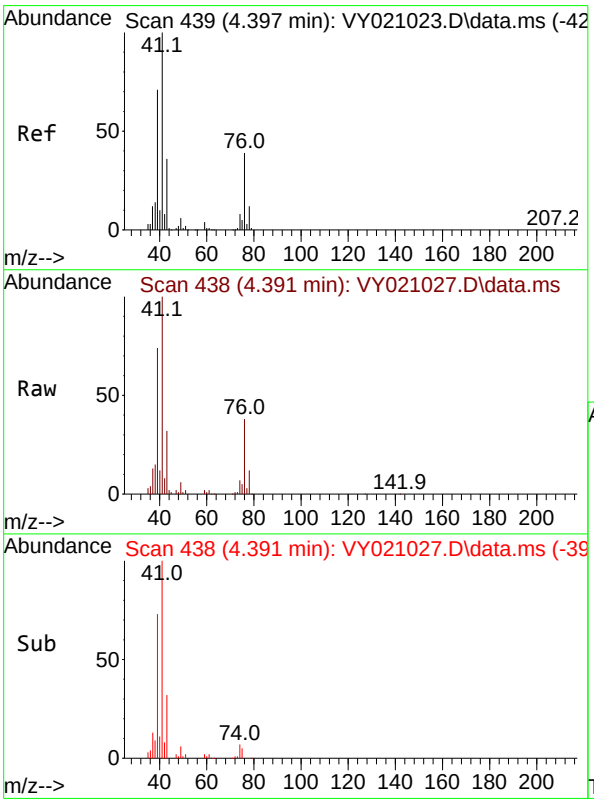
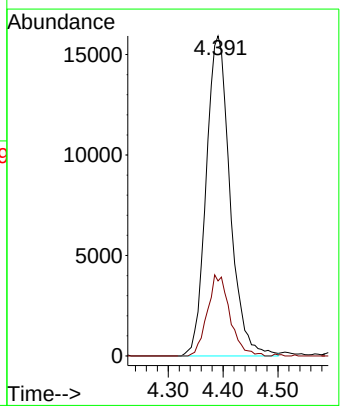
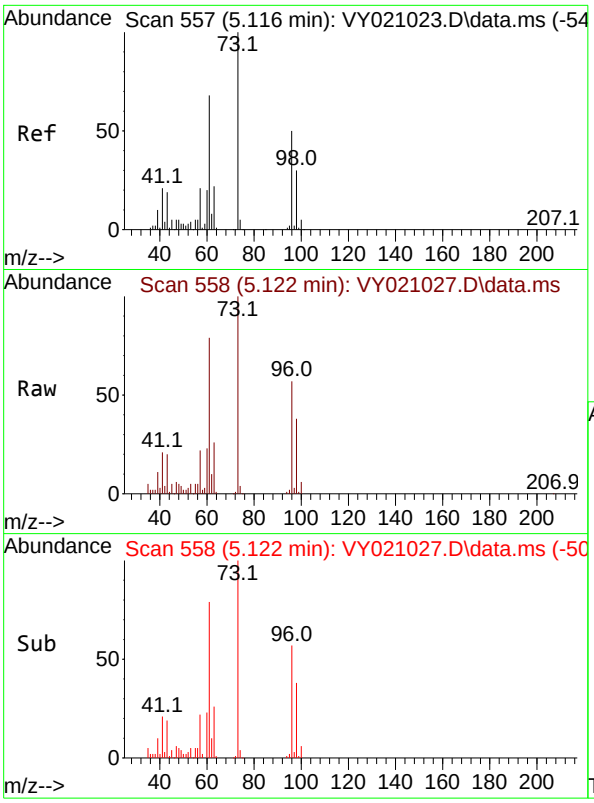


#18
Methyl Acetate
Concen: 46.031 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 48057

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.8	29.6

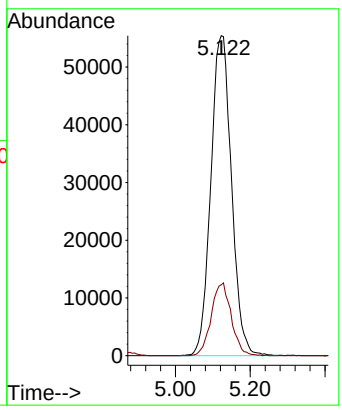




#19
Methyl tert-butyl Ether
Concen: 47.538 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 73 Resp: 21324

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
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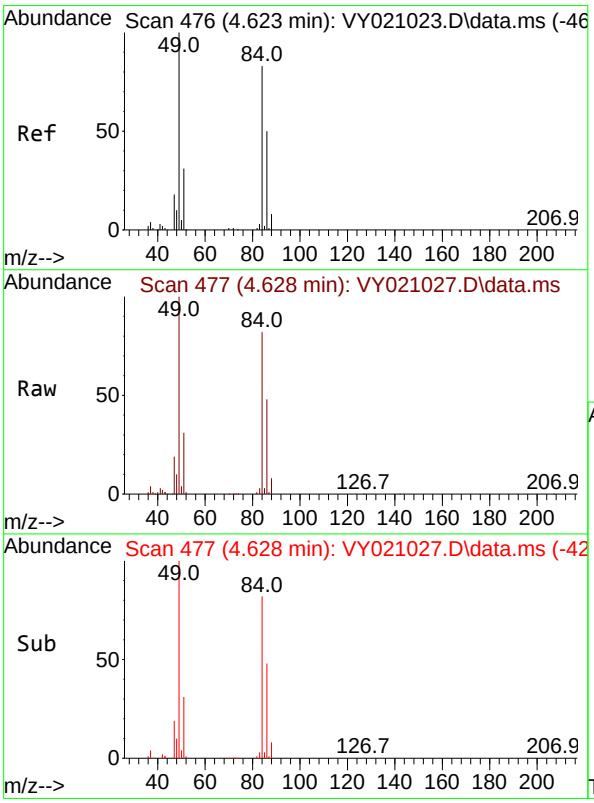
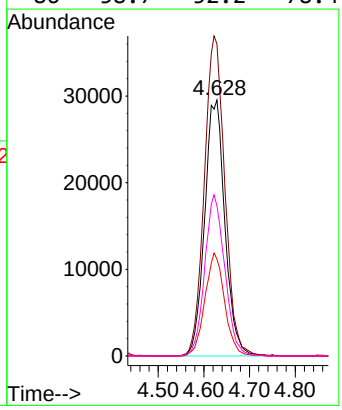
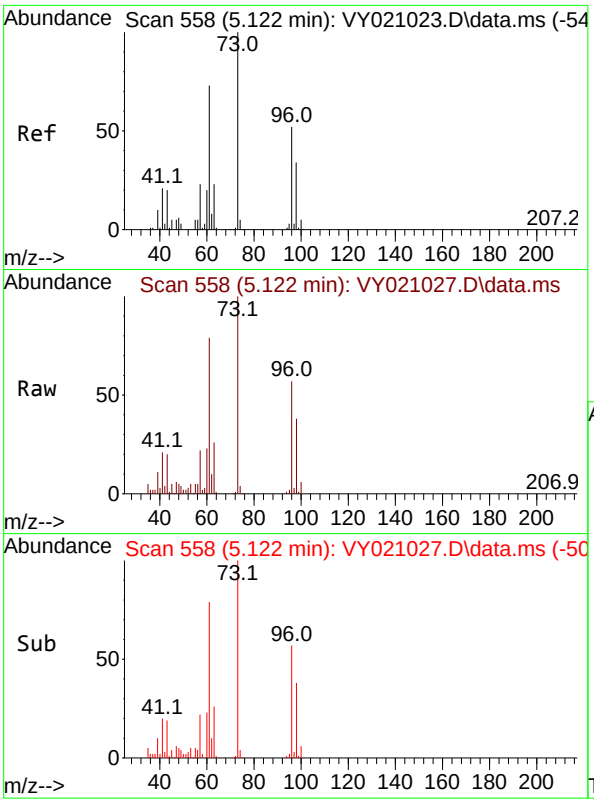


#20
Methylene Chloride
Concen: 49.414 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 84 Resp: 91358

Ion	Ratio	Lower	Upper
84	100		
49	122.0	95.2	142.8
51	37.9	29.9	44.9
86	58.7	52.2	78.4

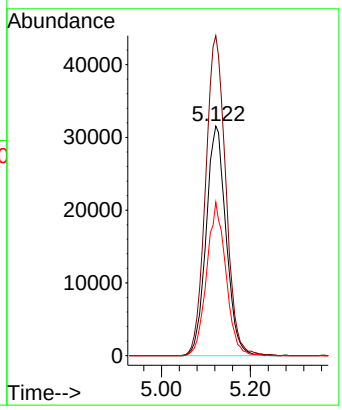




#21
trans-1,2-Dichloroethene
Concen: 50.506 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 9866

Ion	Ratio	Lower	Upper
96	100		
61	139.4	104.6	156.8
98	66.8	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
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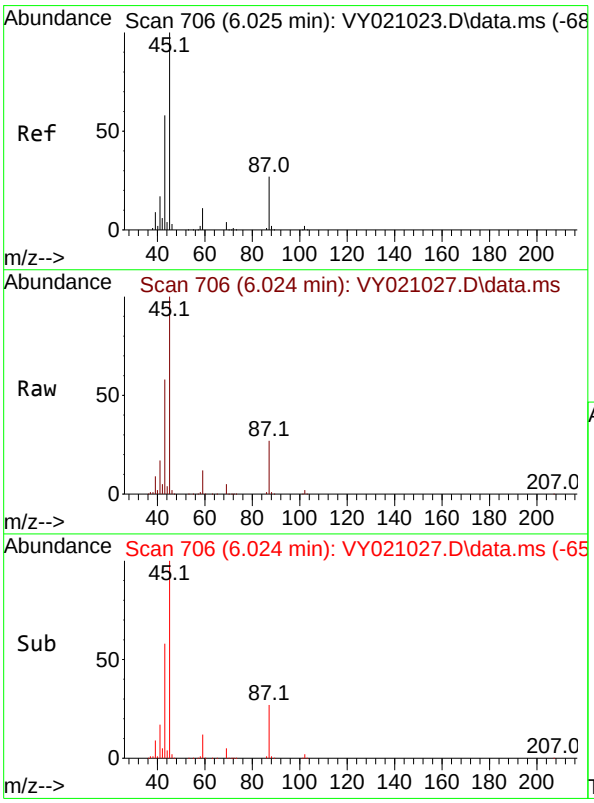
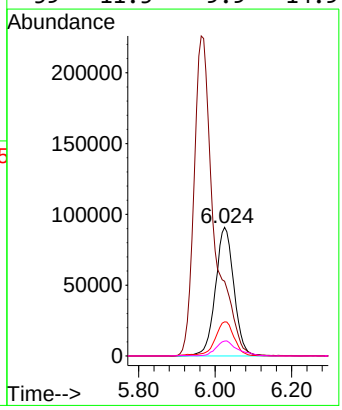
Supervised By :Semsettin Yesilyurt 02/04/2025

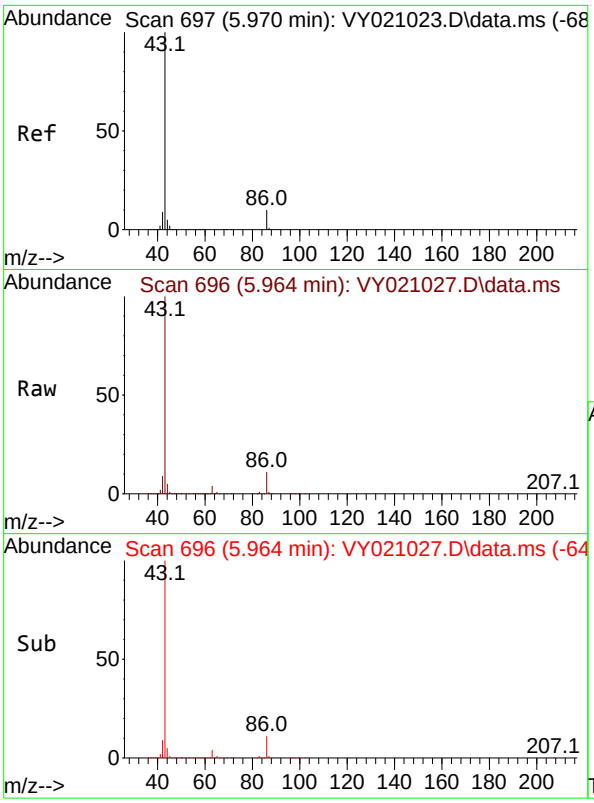


#22
Diisopropyl ether
Concen: 49.407 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 45 Resp: 304603

Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.8	70.2
87	26.5	22.2	33.2
59	11.5	9.9	14.9





#23
Vinyl Acetate
Concen: 238.370 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 81924

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	13.0

Instrument :
MSVOA_Y
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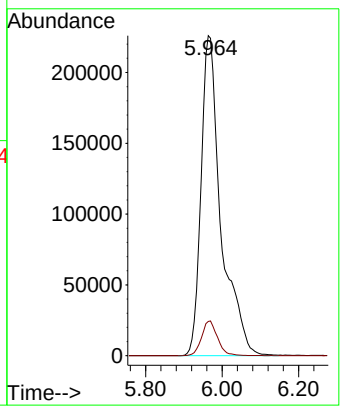
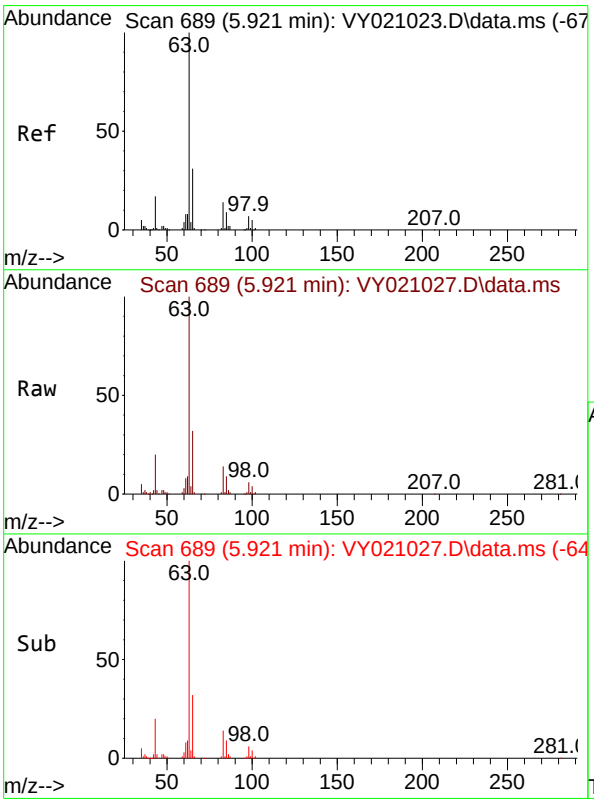
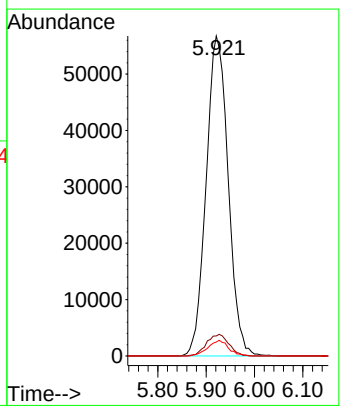


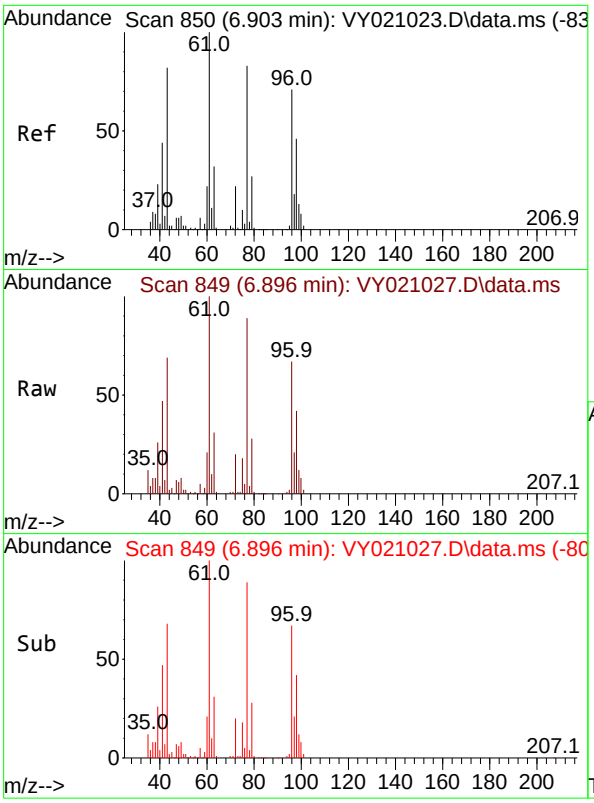


#24
1,1-Dichloroethane
Concen: 49.806 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 179904

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.4
100	4.4	2.1	6.2

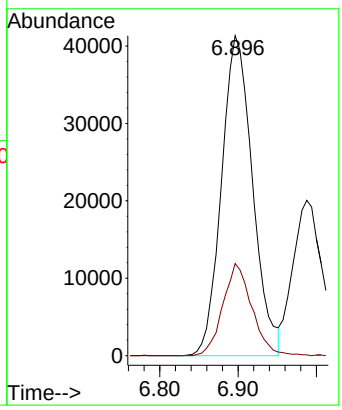




#25
2-Butanone
Concen: 233.503 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 11411

Ion	Ratio	Lower	Upper
43	100		
72	28.8	21.4	32.2



Instrument :
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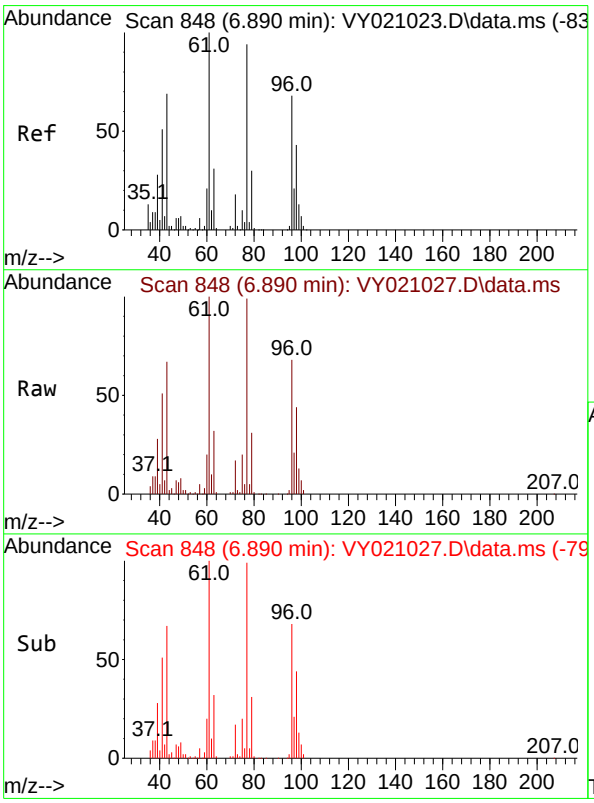
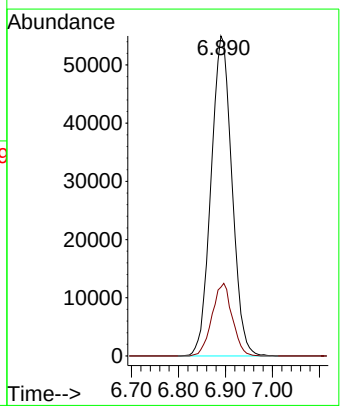
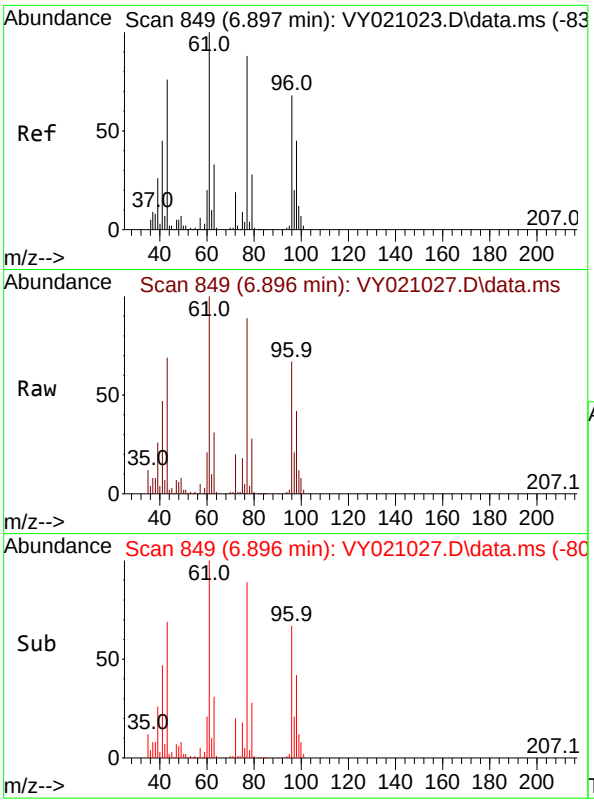


#26
2,2-Dichloropropane
Concen: 50.791 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 77 Resp: 169757

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.7	35.0

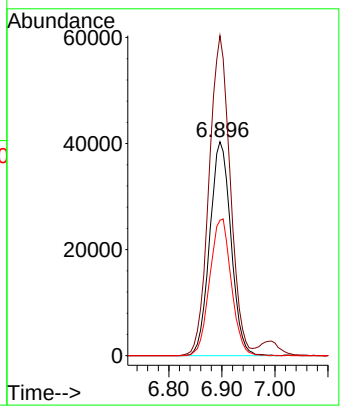




#27
cis-1,2-Dichloroethene
Concen: 49.785 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 11194

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	278.8
98	65.1	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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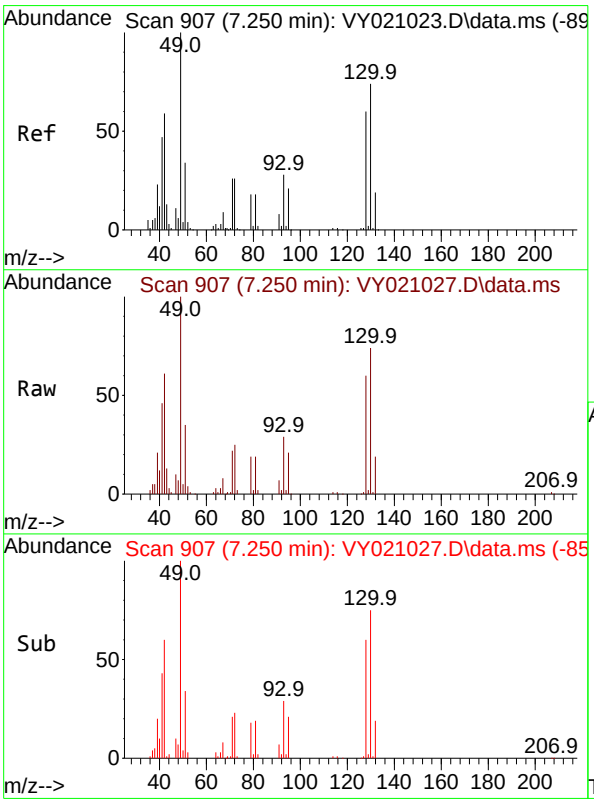
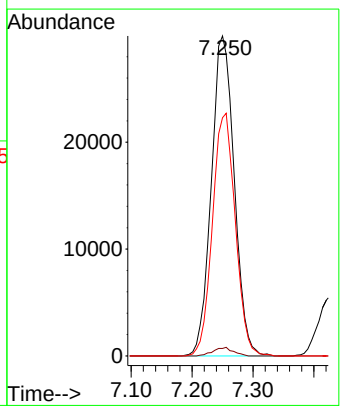
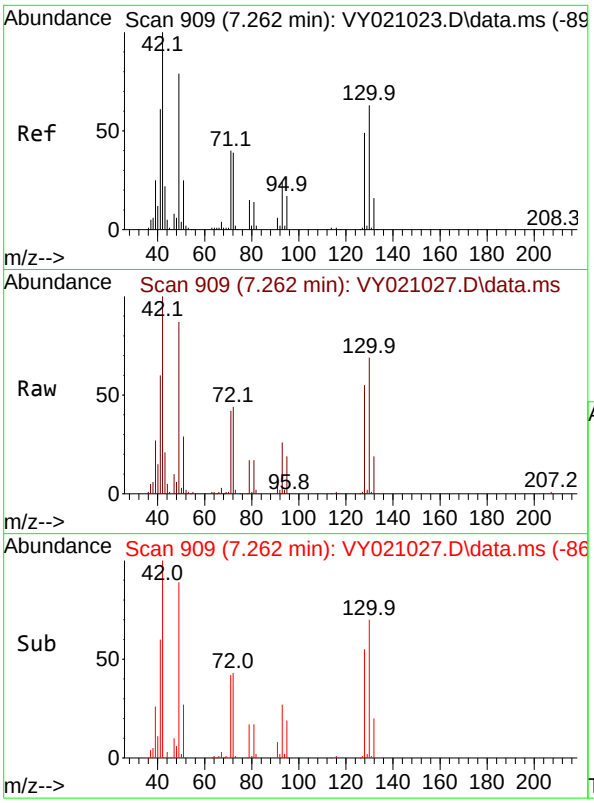


#28
Bromochloromethane
Concen: 54.731 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 49 Resp: 78173

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	75.7	59.8	89.8

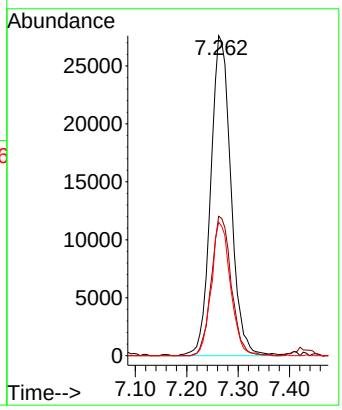




#29
Tetrahydrofuran
Concen: 228.139 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 42 Resp: 7544

Ion	Ratio	Lower	Upper
42	100		
72	42.8	36.6	54.8
71	39.7	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
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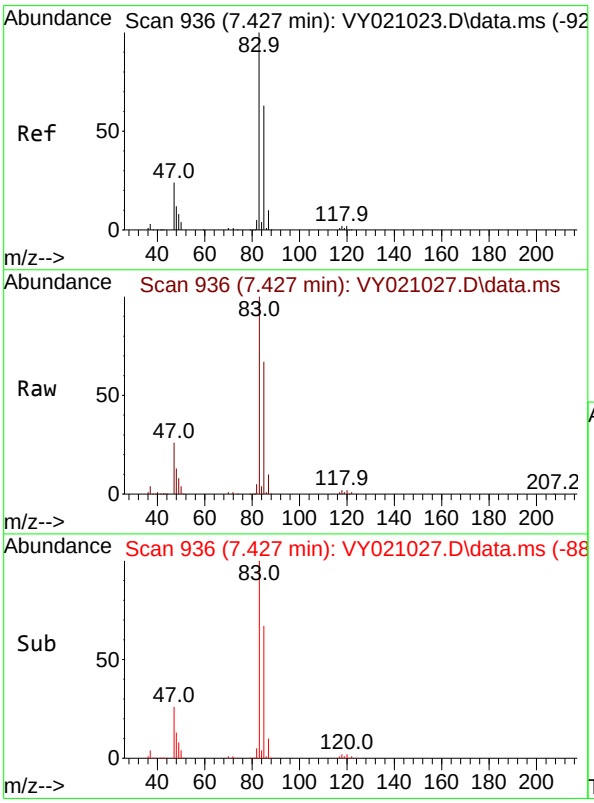
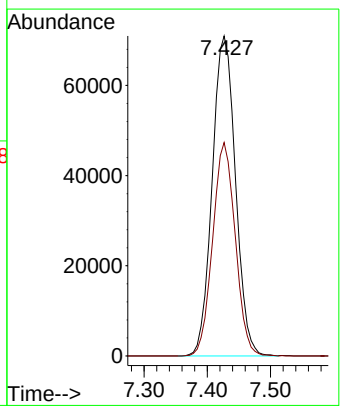
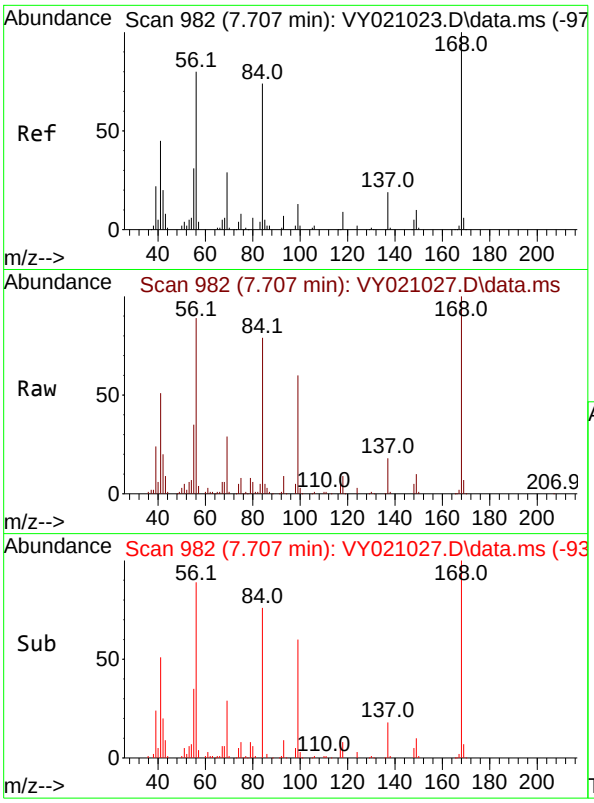


#30
Chloroform
Concen: 48.846 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 181229

Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.2	76.8





#31
Cyclohexane
Concen: 50.051 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 56 Resp: 16280

Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.0	40.6
84	86.9	71.8	107.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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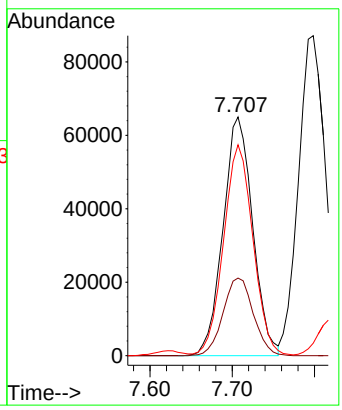
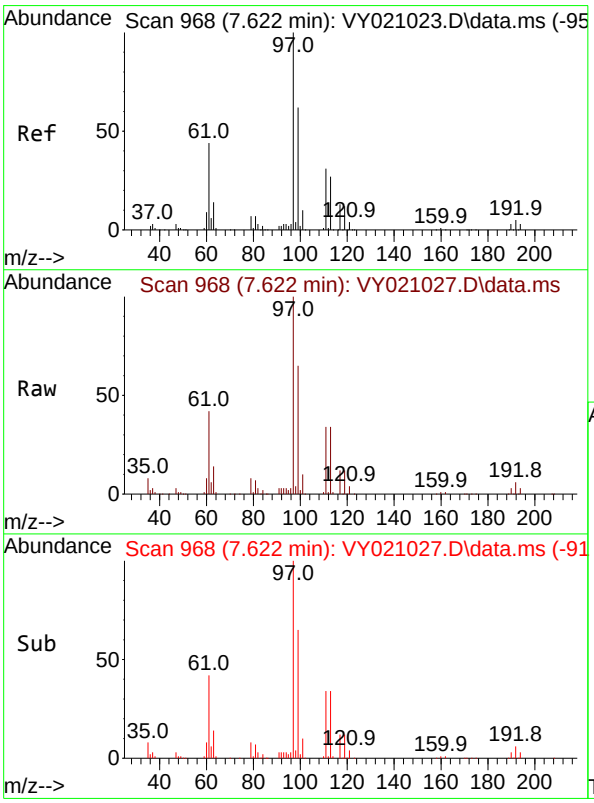
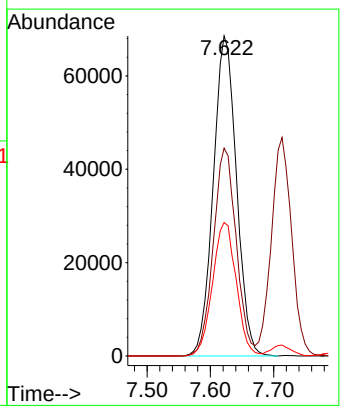


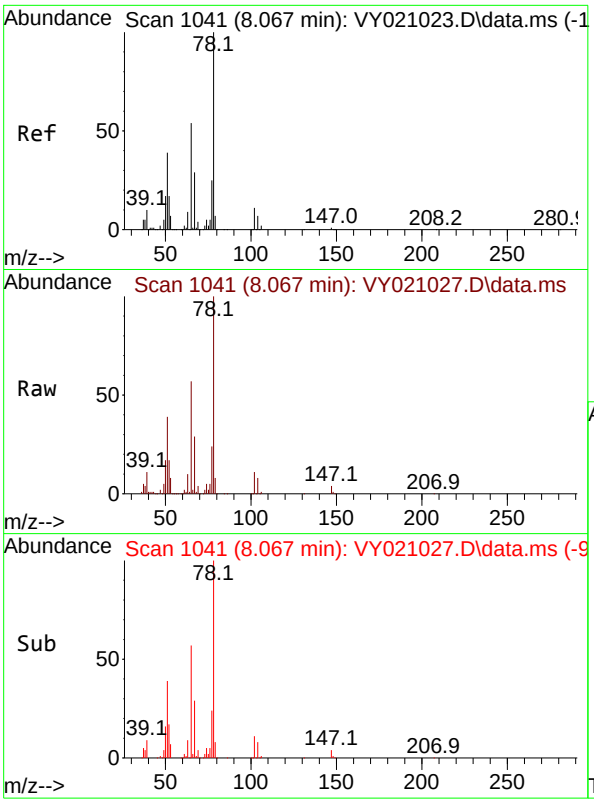


#32
1,1,1-Trichloroethane
Concen: 50.620 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 174612

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	42.6	35.0	52.6

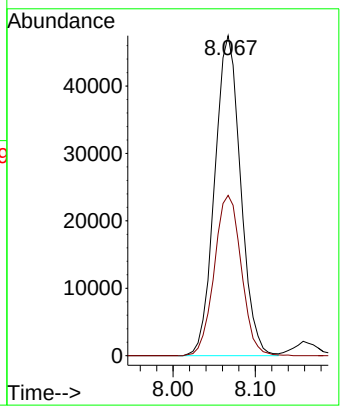




#33
1,2-Dichloroethane-d4
Concen: 54.604 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 65 Resp: 10413

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.0



Instrument :
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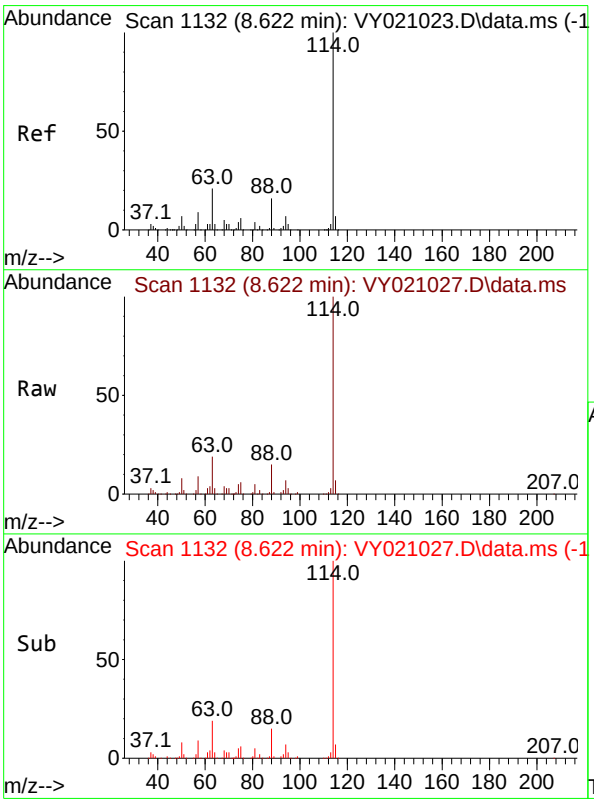
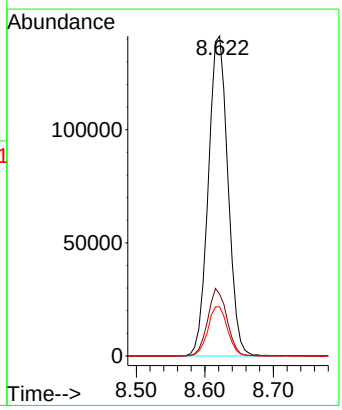
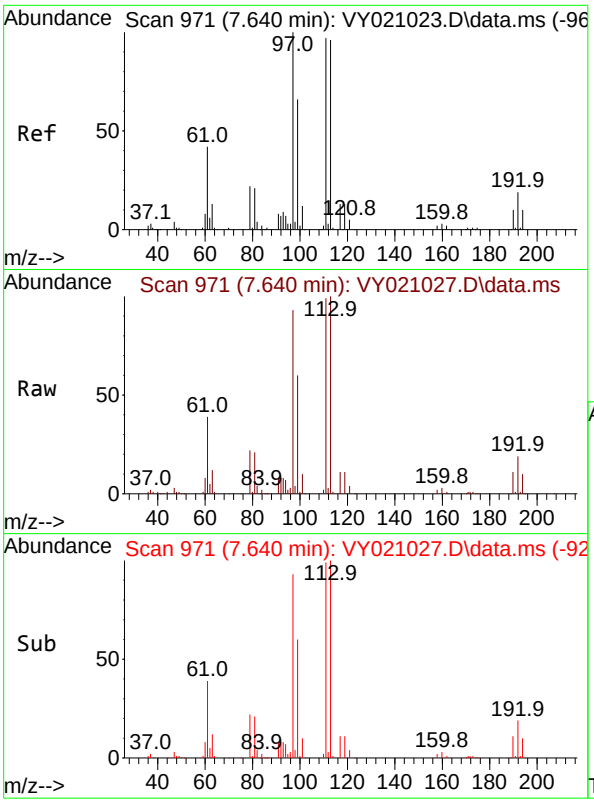


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:114 Resp: 280950

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.4
88	15.4	0.0	29.0





#35
Dibromofluoromethane
Concen: 57.790 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:113 Resp: 10405

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.8	125.6
192	20.0	14.5	21.7

Instrument :
MSVOA_Y
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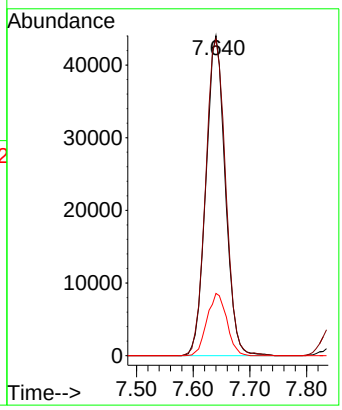
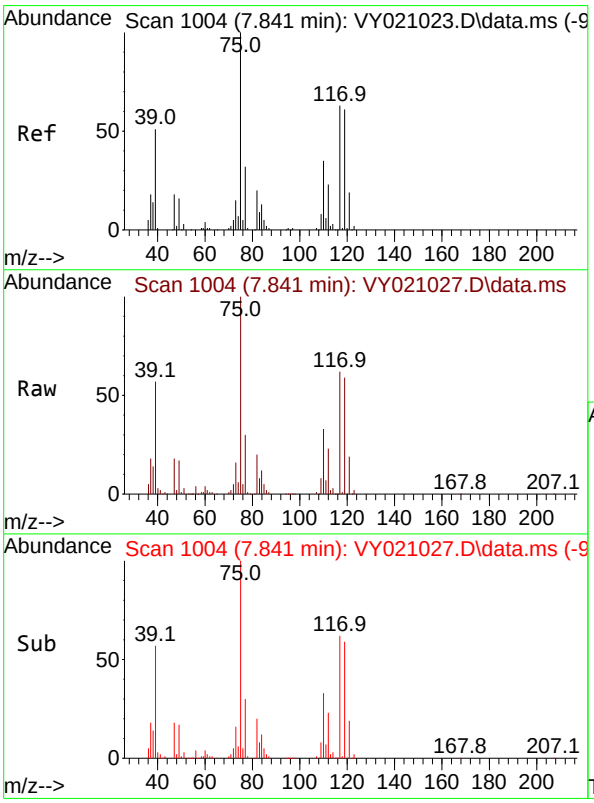
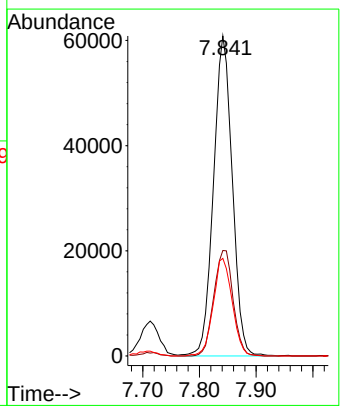


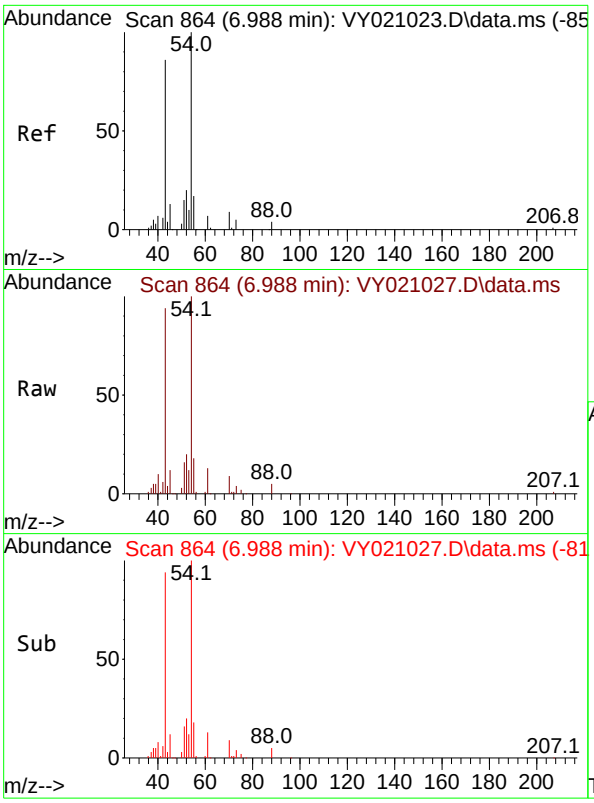


#36
1,1-Dichloropropene
Concen: 52.625 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 140344

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.4	52.3
77	30.7	24.7	37.1





#37
Ethyl Acetate
Concen: 47.006 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 5499

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	9.7	8.1	12.1

Instrument :
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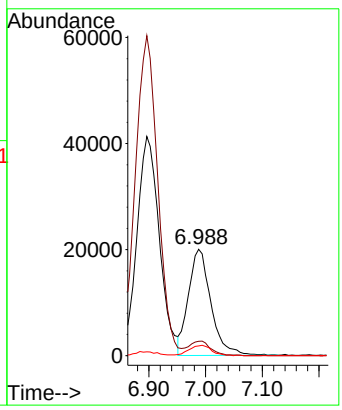
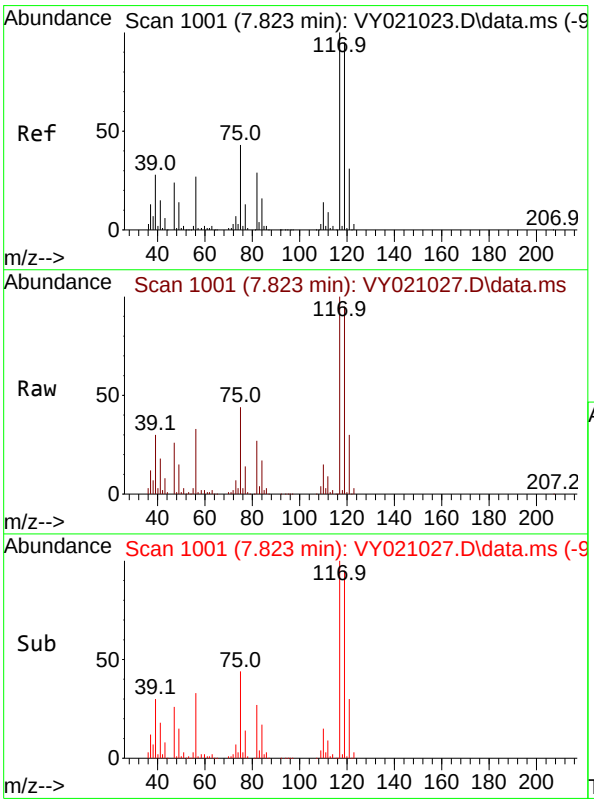
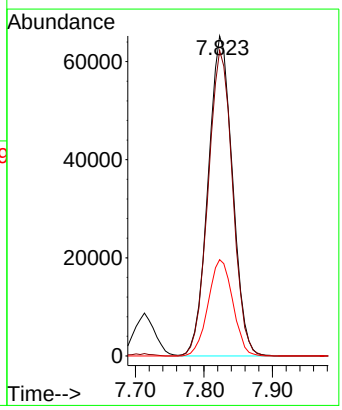


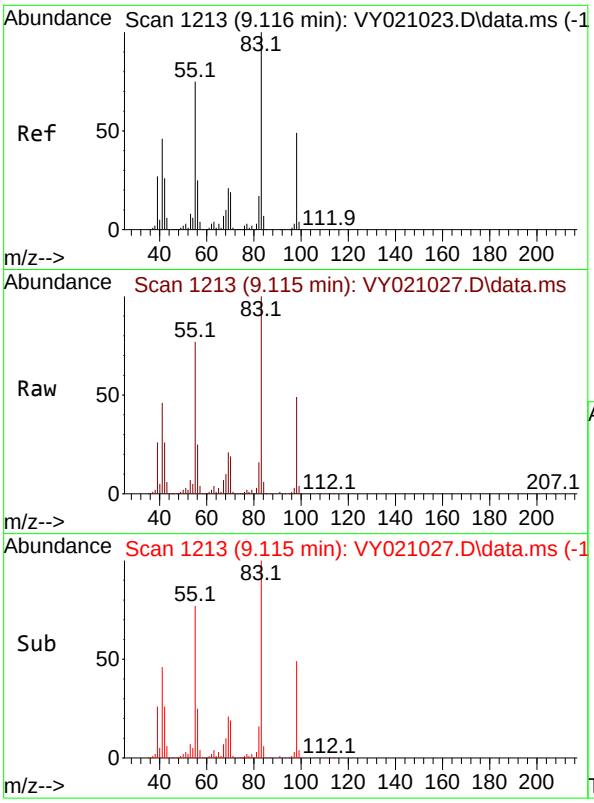


#38
Carbon Tetrachloride
Concen: 51.711 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 161137

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.0	114.0
121	30.1	24.2	36.2





#39
Methylcyclohexane
Concen: 54.123 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 17655

Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.7	89.5
98	49.4	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
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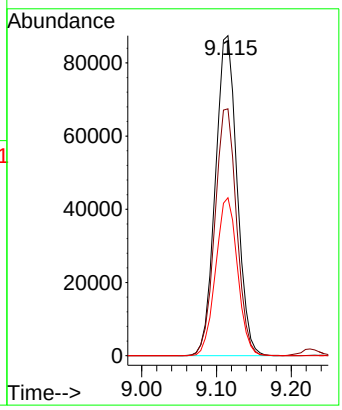
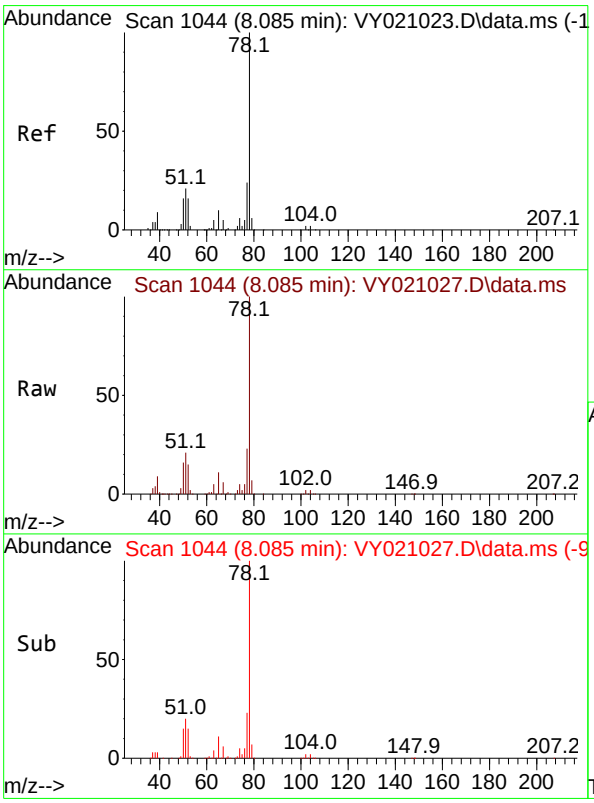
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

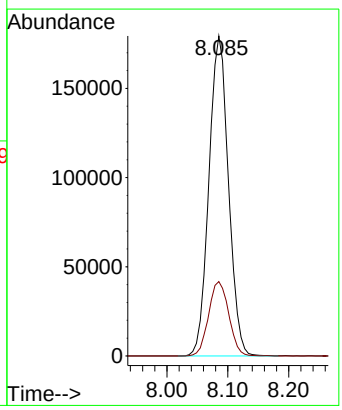


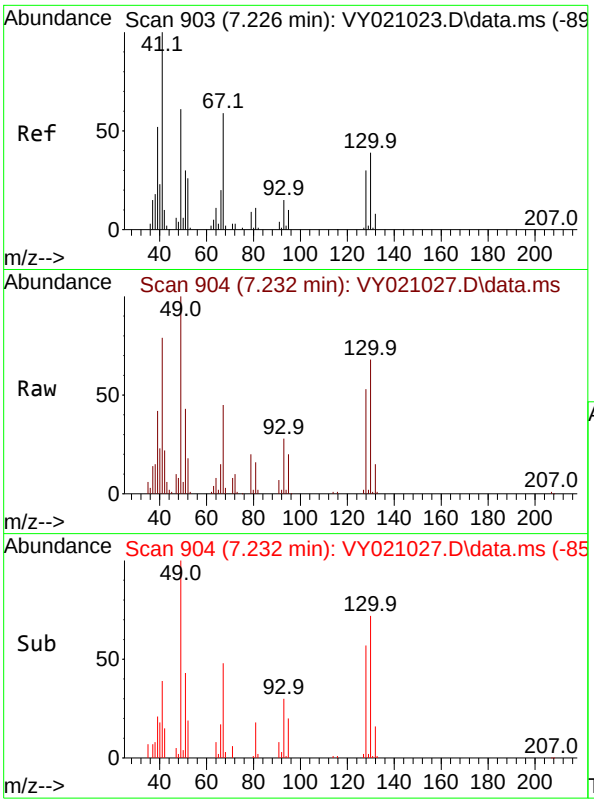


#40
Benzene
Concen: 51.052 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 78 Resp: 399547

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

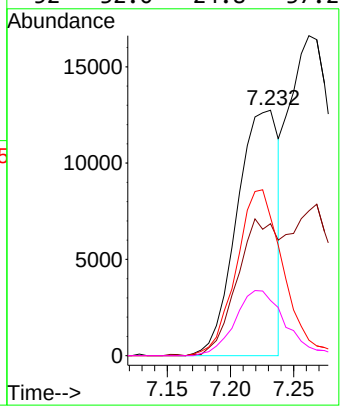




#41
Methacrylonitrile
Concen: 43.131 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 2919

Ion	Ratio	Lower	Upper
41	100		
39	53.8	41.9	62.9
67	76.7	59.8	89.6
52	32.0	24.8	37.2



Instrument :
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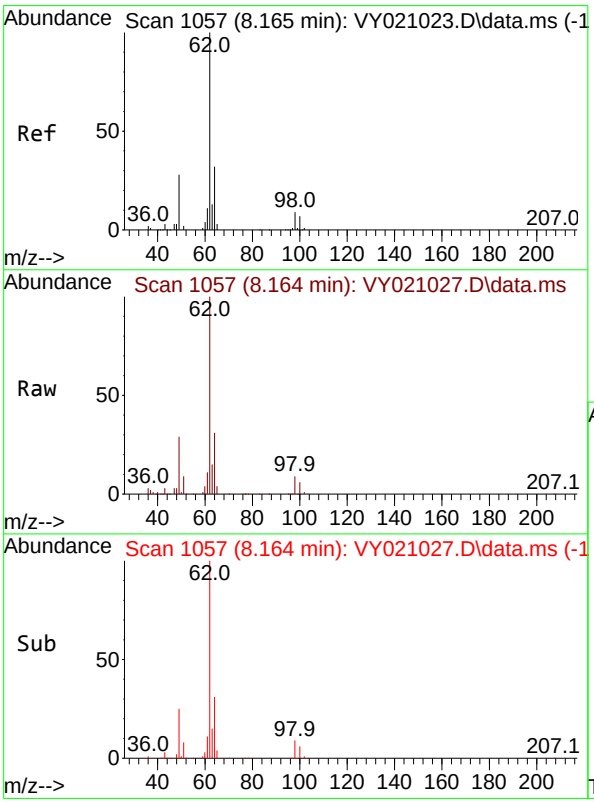
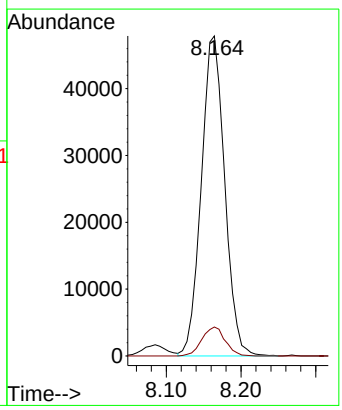
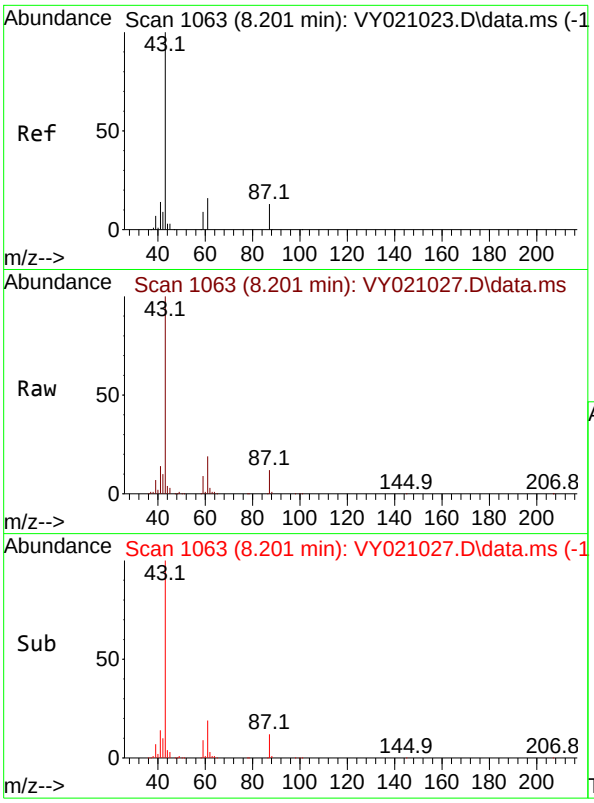


#42
1,2-Dichloroethane
Concen: 47.910 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 104015

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2

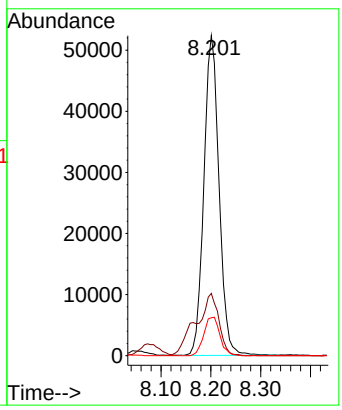




#43
Isopropyl Acetate
Concen: 47.523 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 11047

Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.8	37.2
87	12.8	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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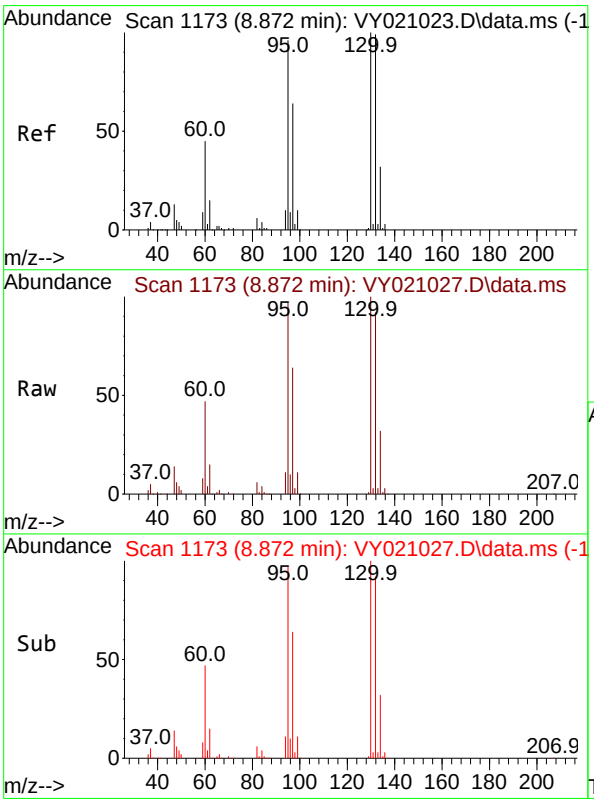
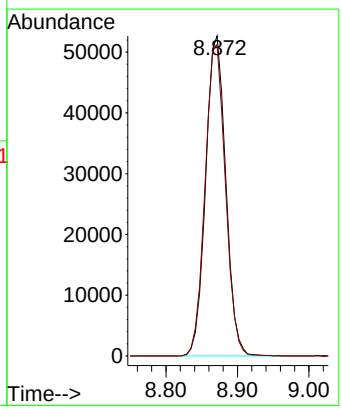
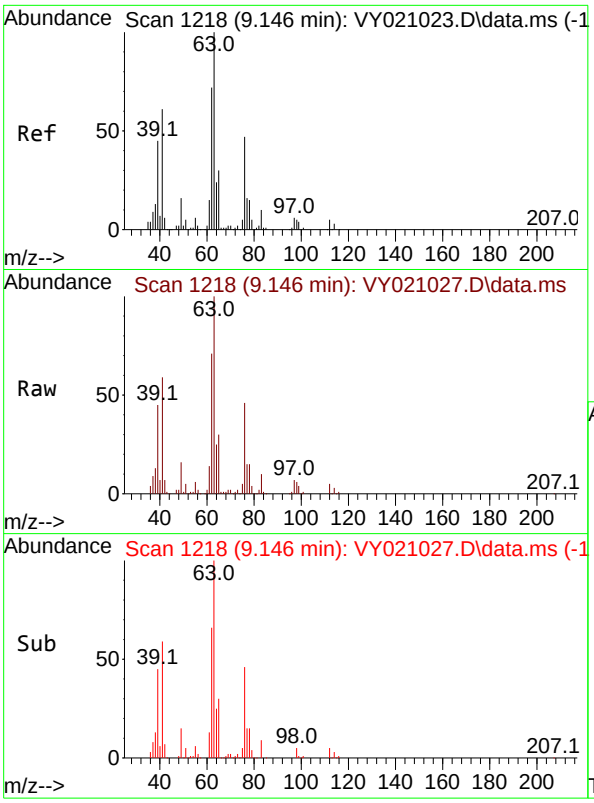


#44
Trichloroethene
Concen: 50.777 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:130 Resp: 102671

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	203.8

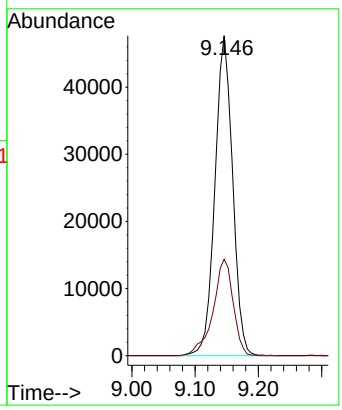




#45
1,2-Dichloropropane
Concen: 49.666 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 9225

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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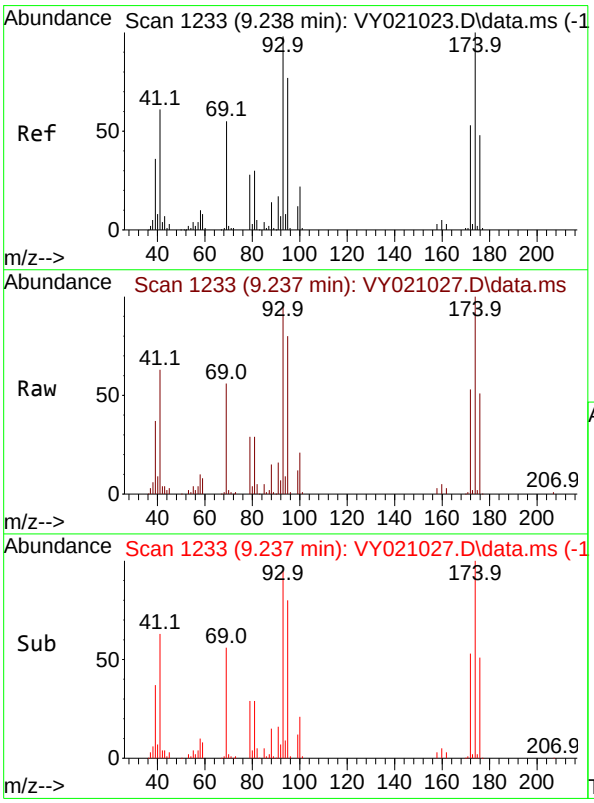
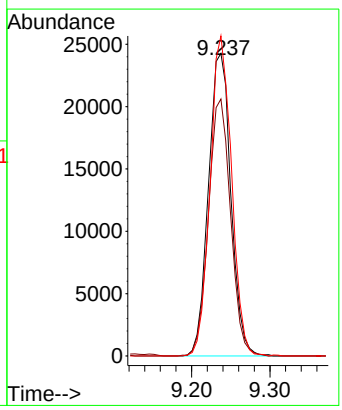
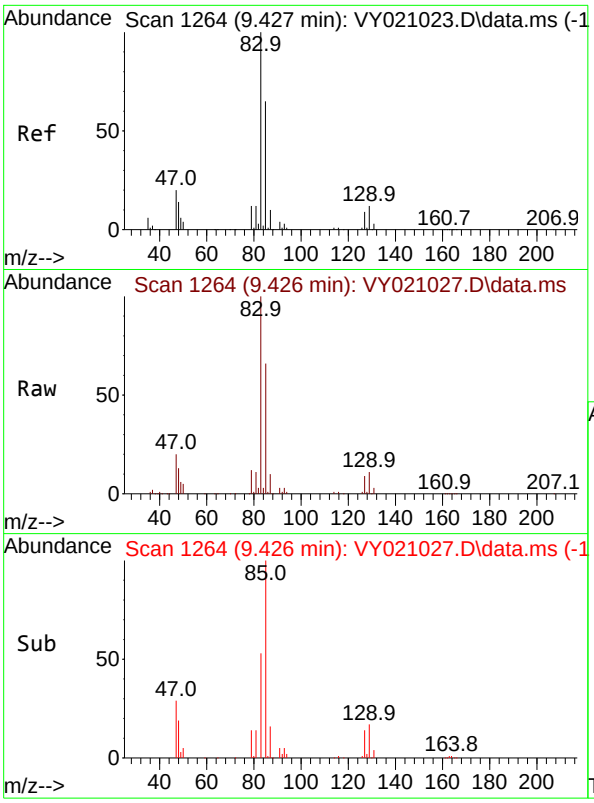


#46
Dibromomethane
Concen: 46.914 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 93 Resp: 48251

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.6	99.8
174	101.3	73.8	110.6

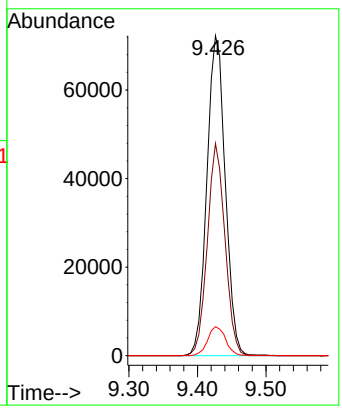




#47
Bromodichloromethane
Concen: 48.799 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 13460

Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.2	79.8
127	9.1	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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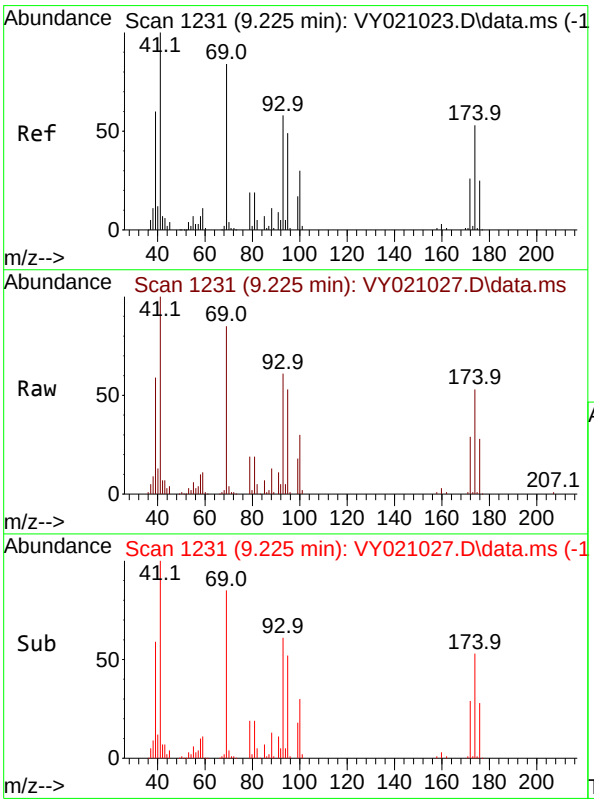
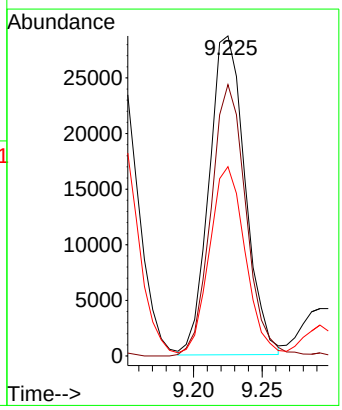
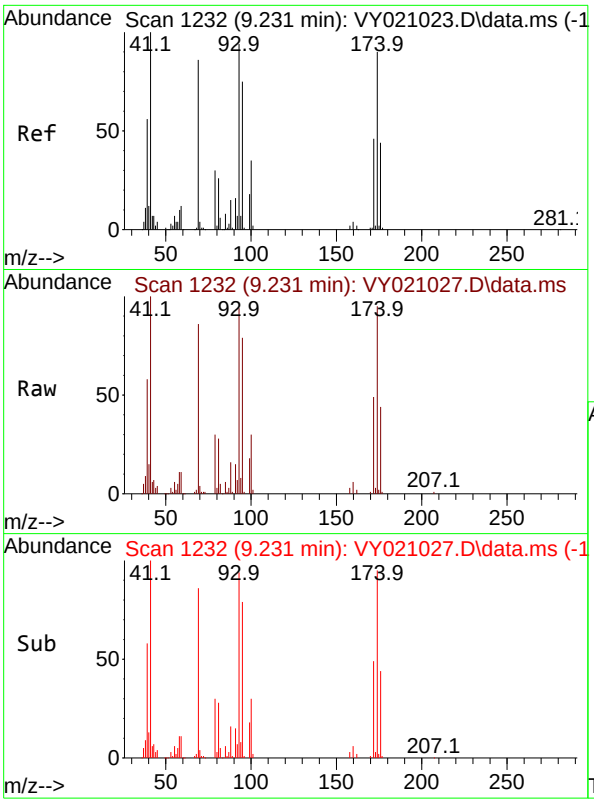


#48
Methyl methacrylate
Concen: 49.560 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 52480

Ion	Ratio	Lower	Upper
41	100		
69	83.0	72.1	108.1
39	57.2	42.8	64.2

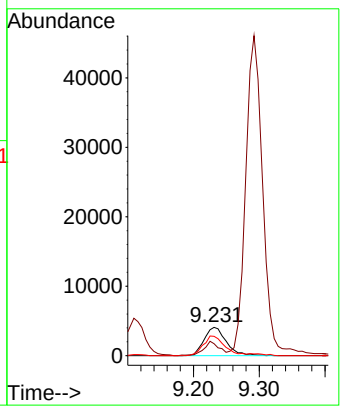




#49
1,4-Dioxane
Concen: 1001.398 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 88 Resp: 958

Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.2	42.4
58	66.7	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations APPROVED

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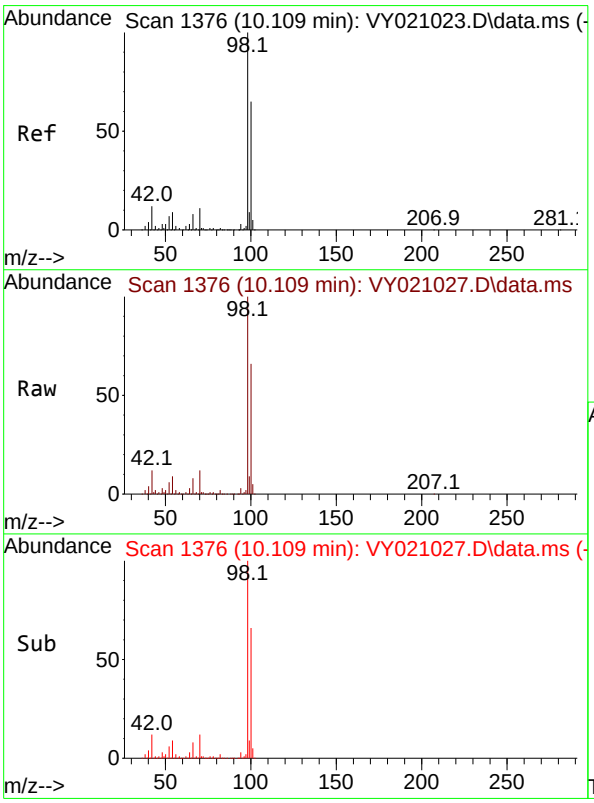
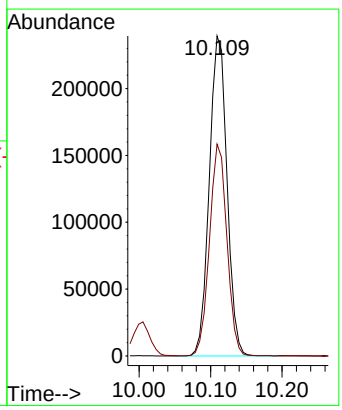
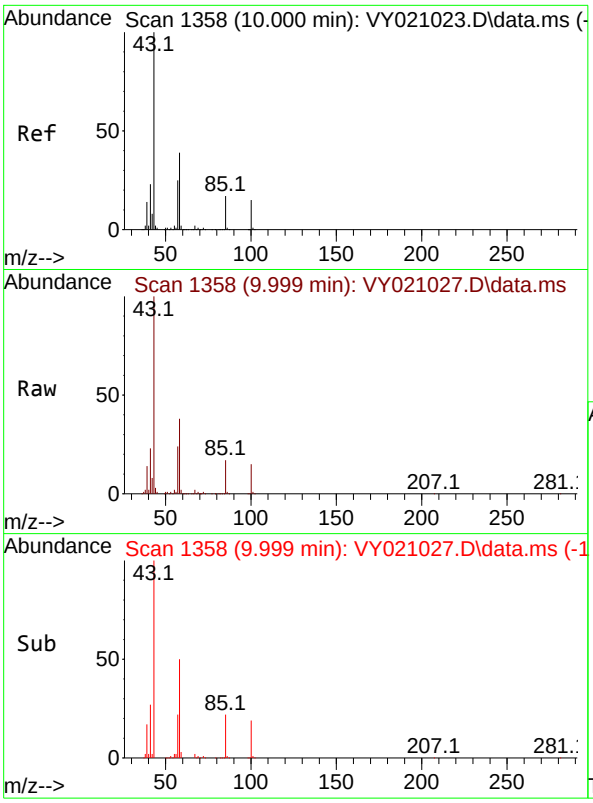


#50
Toluene-d8
Concen: 59.966 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 98 Resp: 411045

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

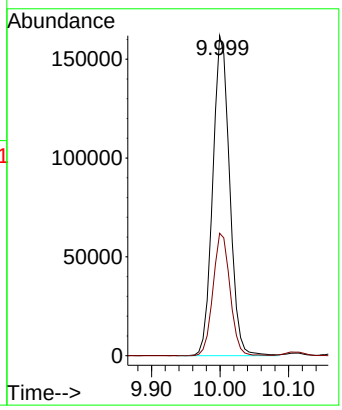




#51
4-Methyl-2-Pentanone
Concen: 236.615 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 27660

Ion	Ratio	Lower	Upper
43	100		
58	38.6	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
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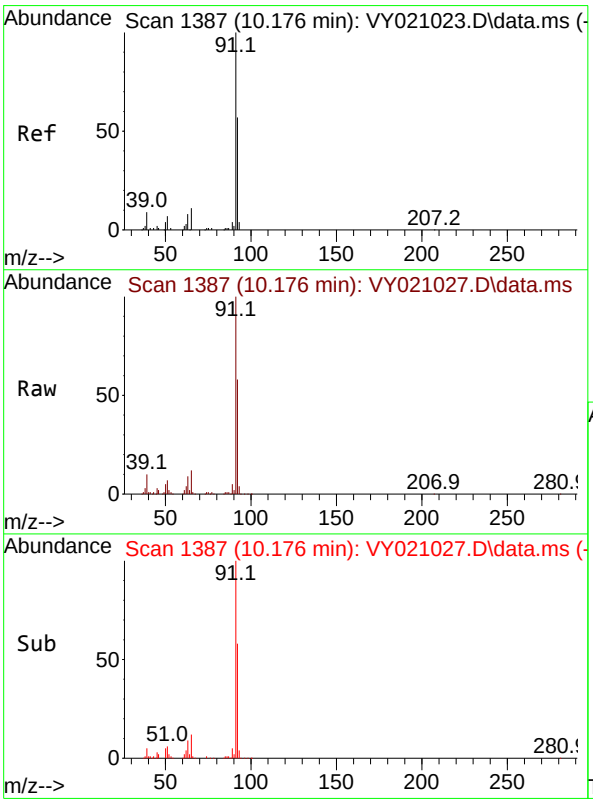
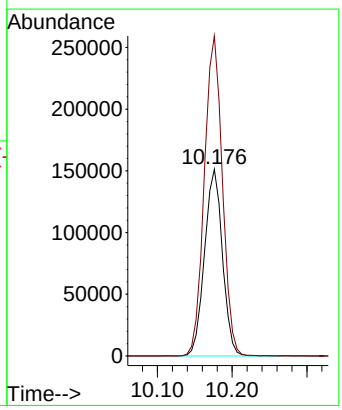
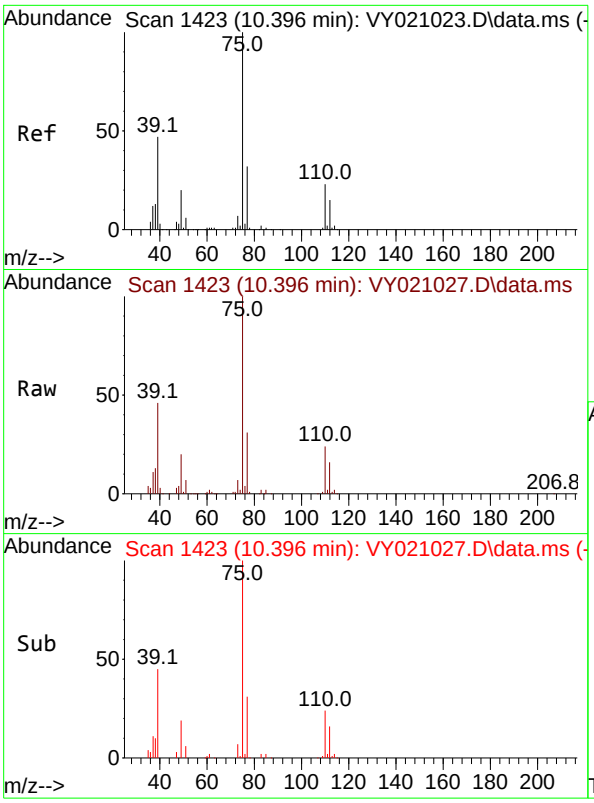


#52
Toluene
Concen: 51.135 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 92 Resp: 251287

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.6	206.4

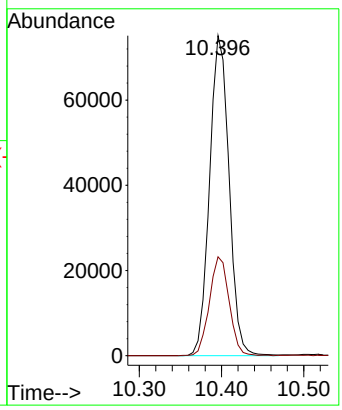




#53
t-1,3-Dichloropropene
Concen: 49.950 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 12371

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8



Instrument :
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ClientSampleId :
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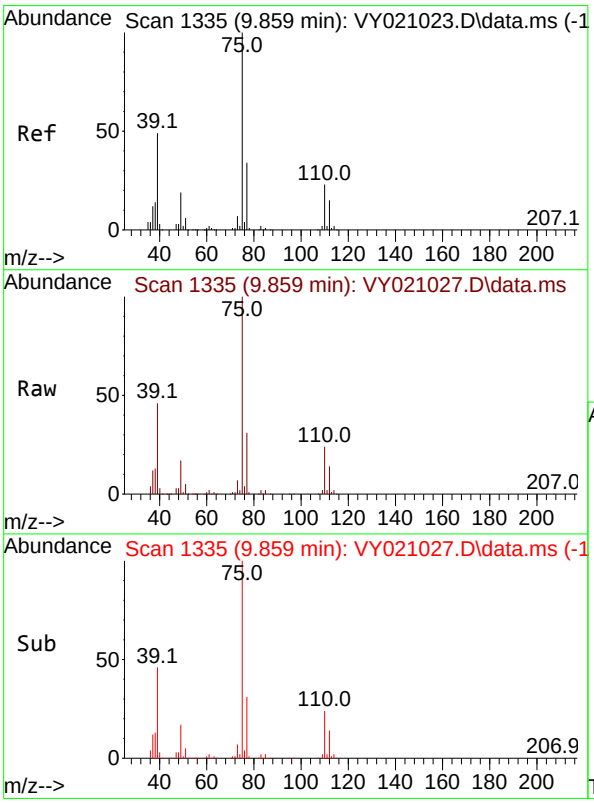
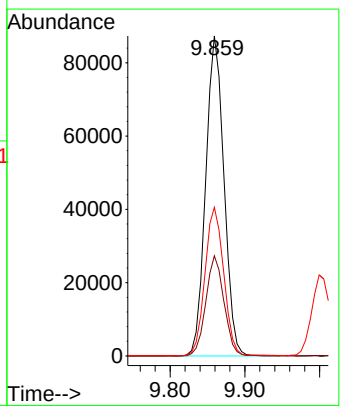
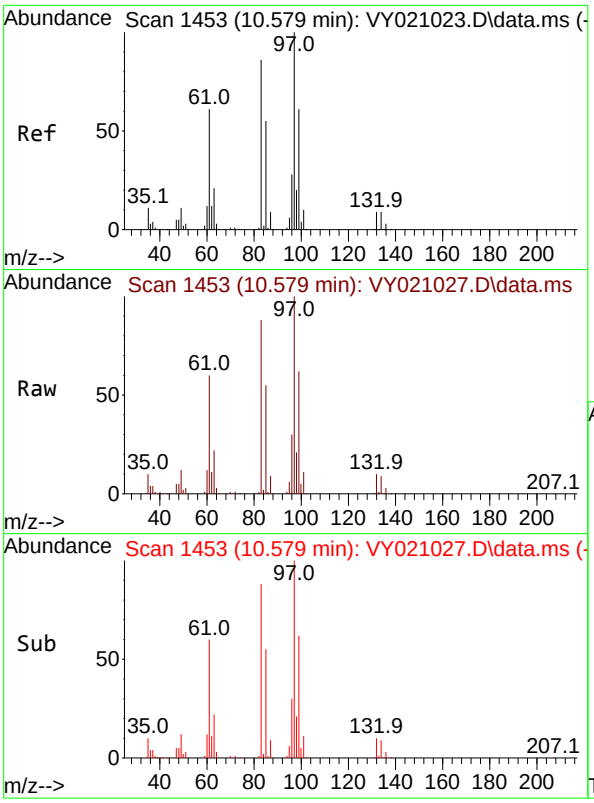


#54
cis-1,3-Dichloropropene
Concen: 50.550 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 148244

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	46.4	33.6	50.4

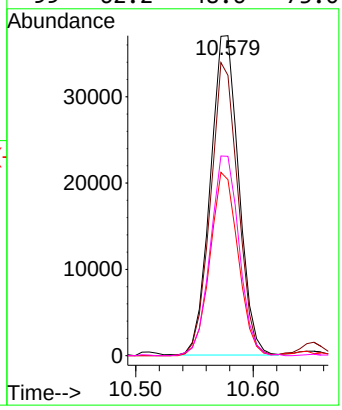




#55
1,1,2-Trichloroethane
Concen: 46.820 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 6235

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.2
85	55.1	43.9	65.9
99	62.2	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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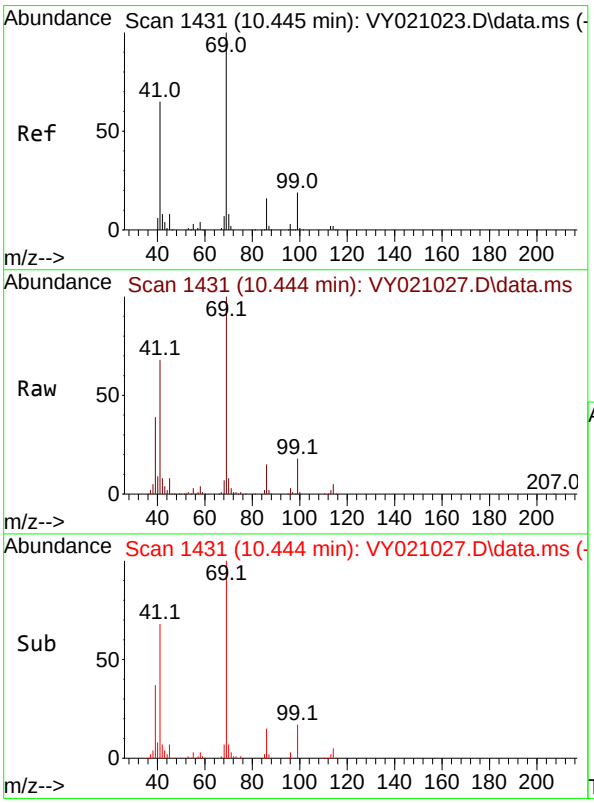
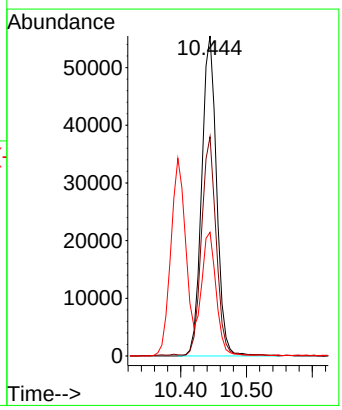
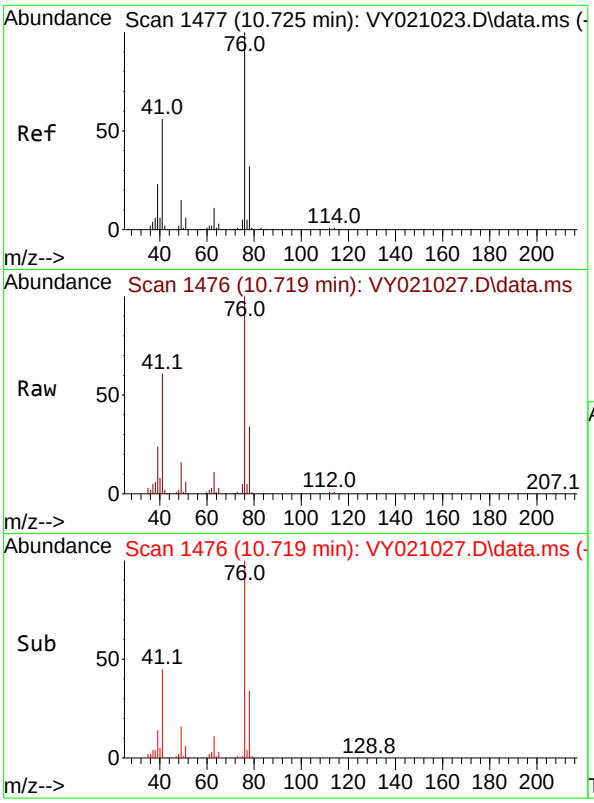


#56
Ethyl methacrylate
Concen: 49.082 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 69 Resp: 87450

Ion	Ratio	Lower	Upper
69	100		
41	66.5	49.2	73.8
39	37.5	26.8	40.2

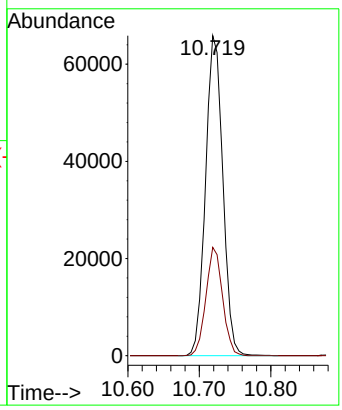




#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 76 Resp: 11060

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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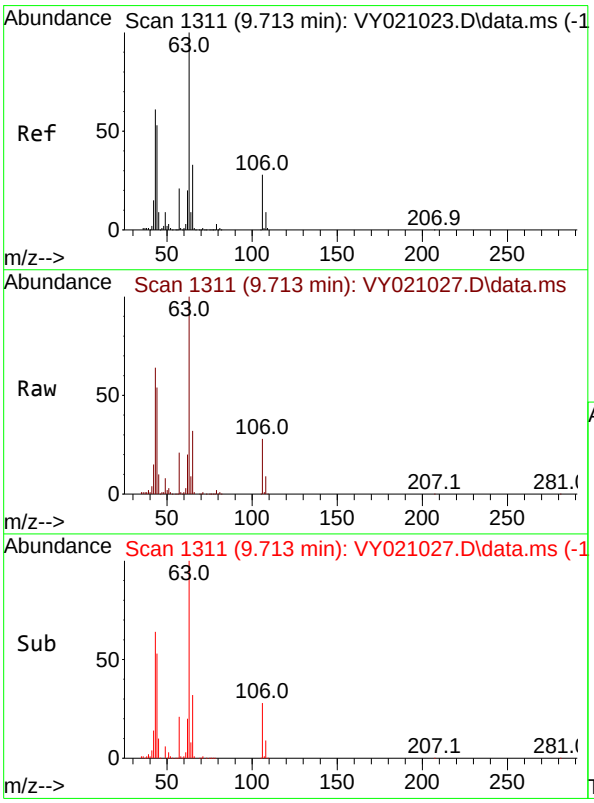
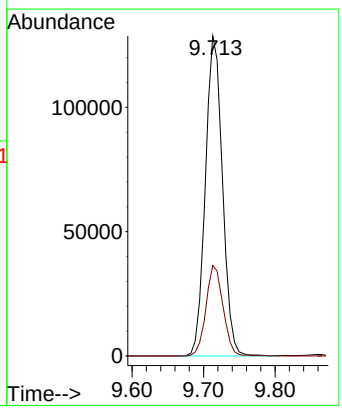
Supervised By :Semsettin Yesilyurt 02/04/2025

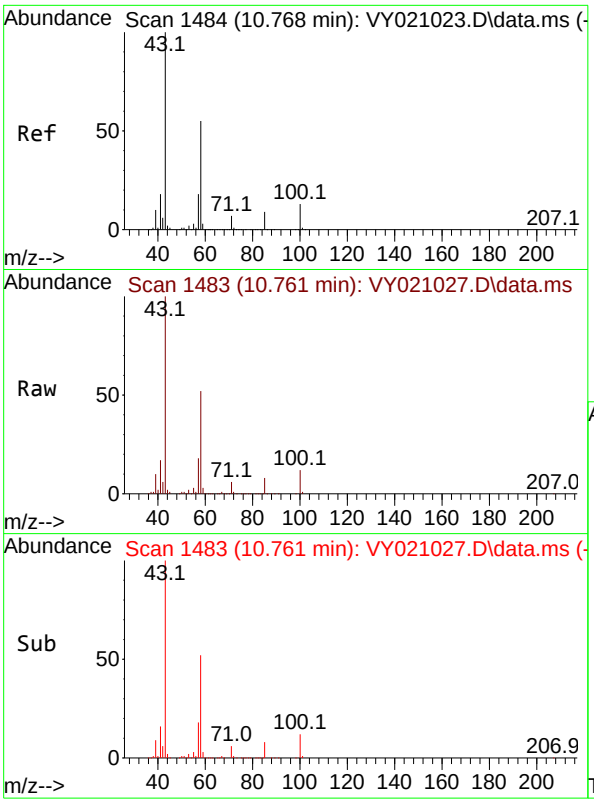


#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 213481

Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.4	33.6

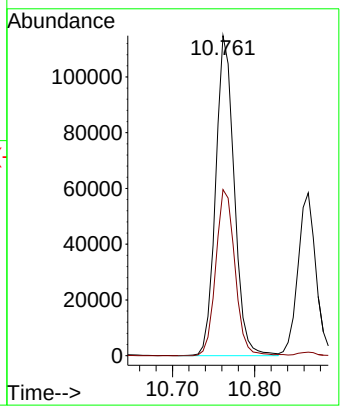




#59
2-Hexanone
Concen: 239.750 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 18045

Ion	Ratio	Lower	Upper
43	100		
58	53.5	28.1	84.3



Instrument :
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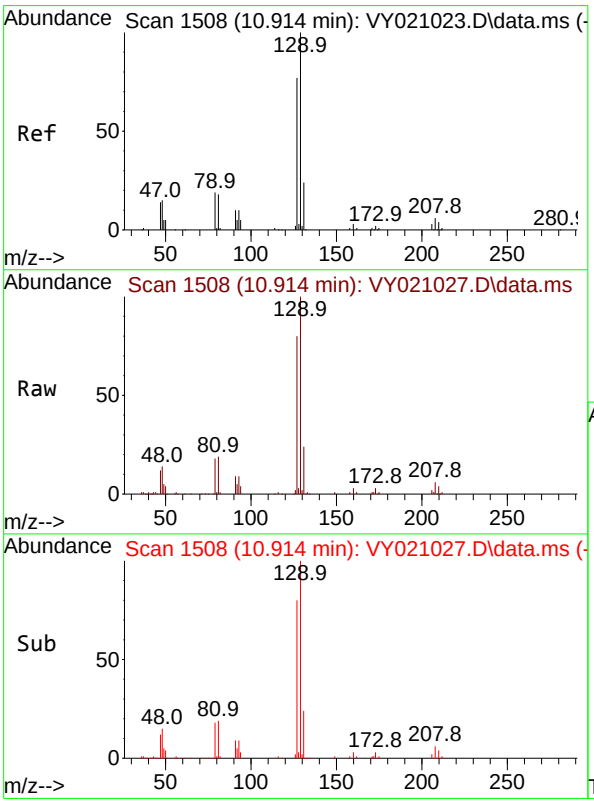
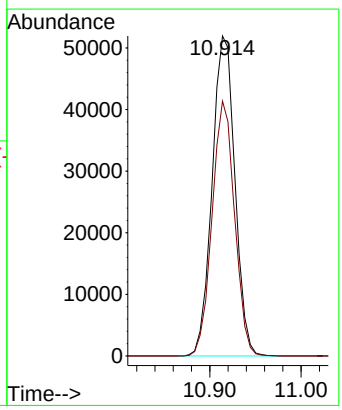
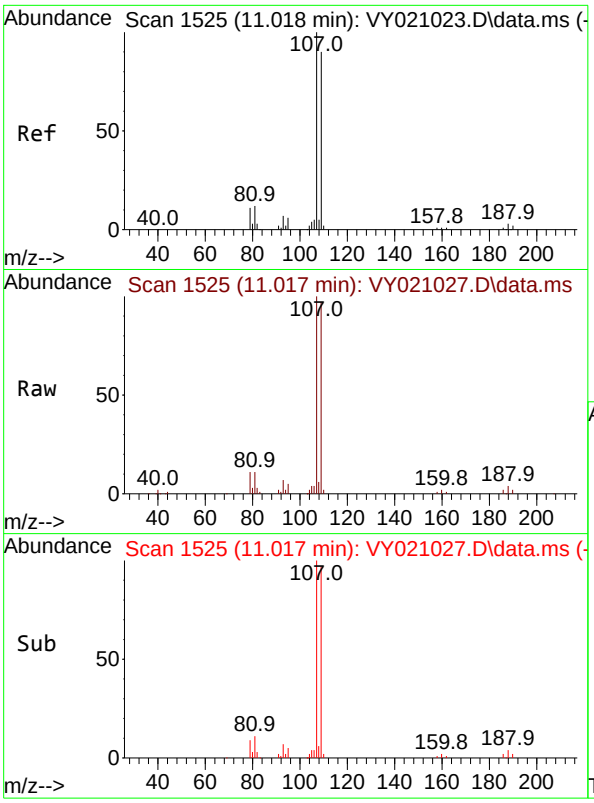


#60
Dibromochloromethane
Concen: 48.123 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:129 Resp: 90009

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.2	117.6

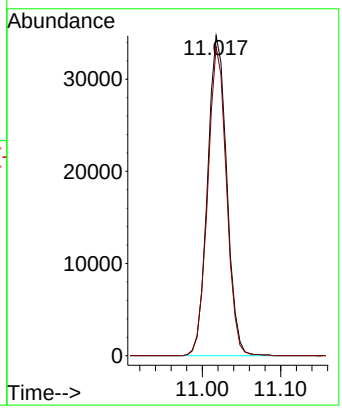




#61
1,2-Dibromoethane
Concen: 47.325 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:107 Resp: 5903

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2



Instrument :
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ClientSampleId :
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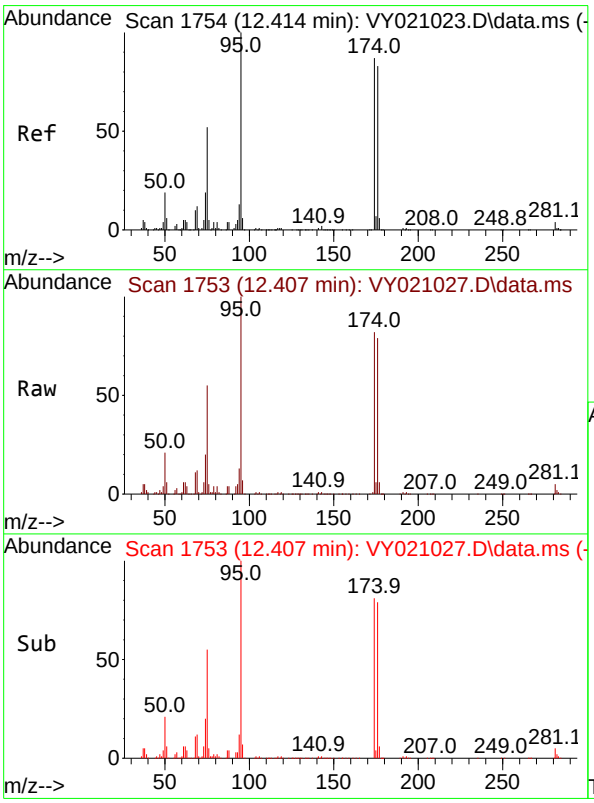
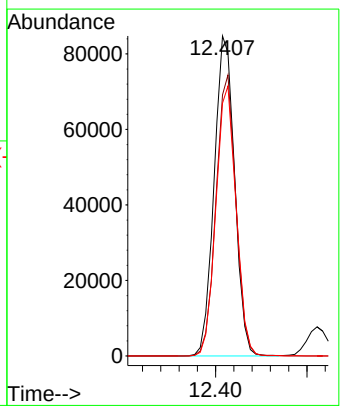
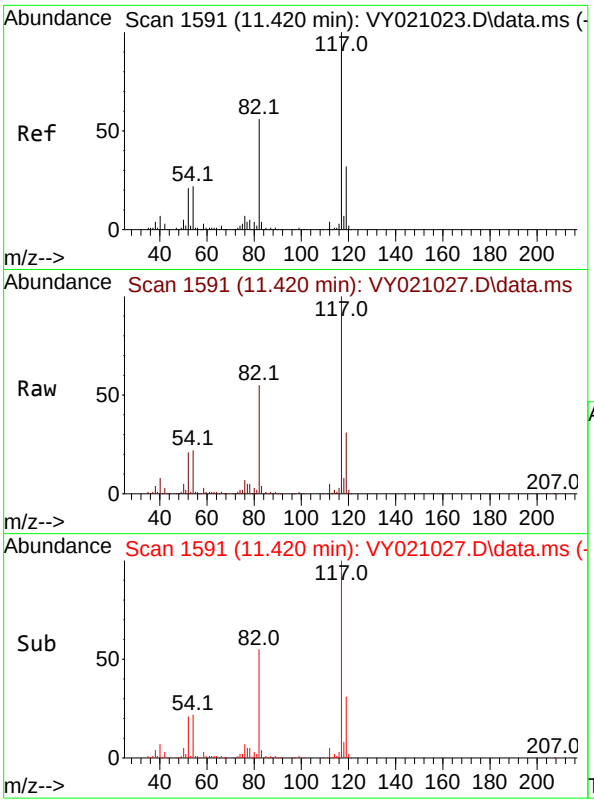


#62
4-Bromofluorobenzene
Concen: 58.919 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 95 Resp: 131943

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	160.0
176	83.2	0.0	151.8

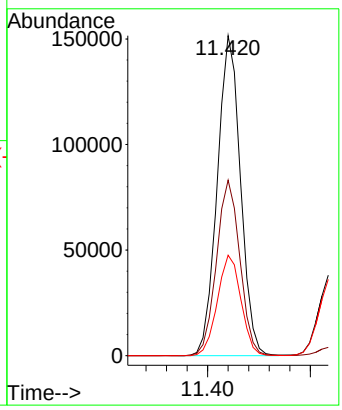




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 23756

Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.8
119	31.4	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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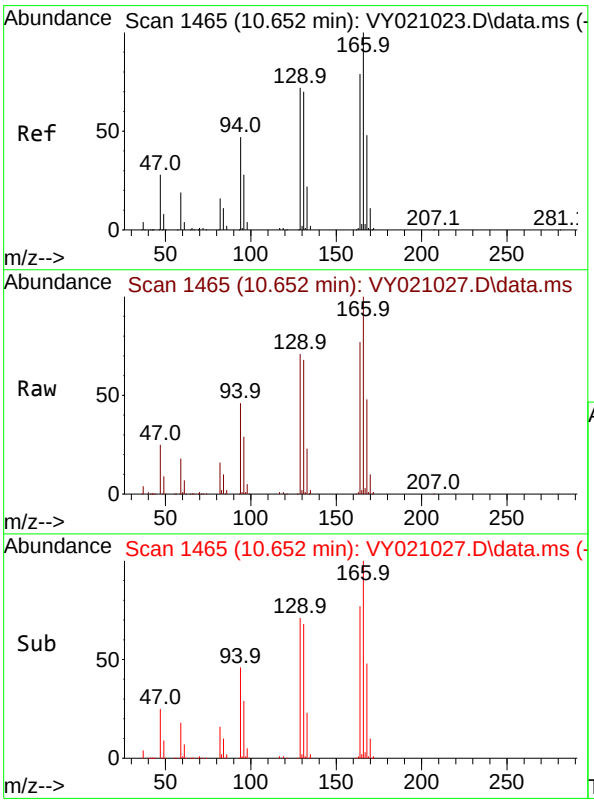
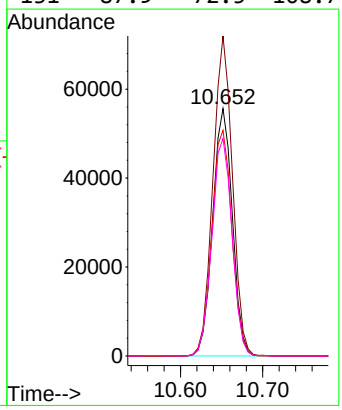
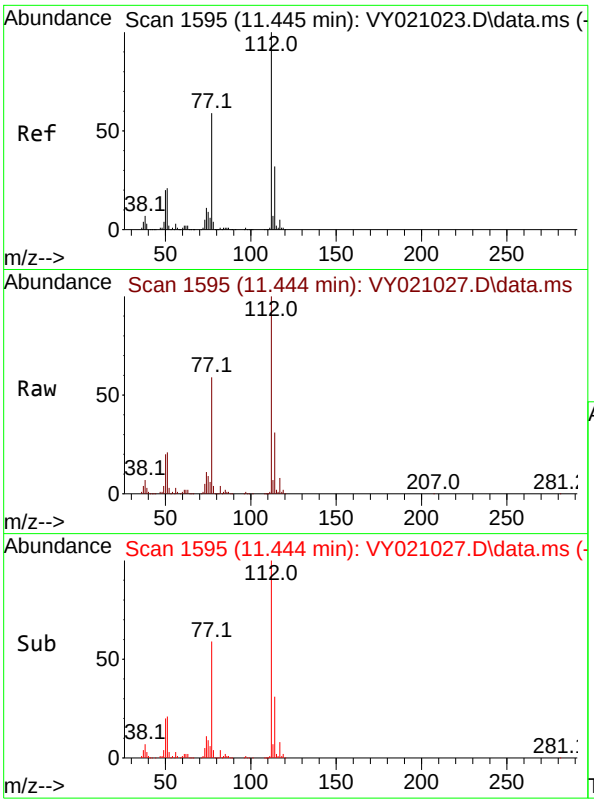


#64
Tetrachloroethene
Concen: 52.446 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:164 Resp: 92493

Ion	Ratio	Lower	Upper
164	100		
166	129.4	98.8	148.2
129	91.2	78.9	118.3
131	87.9	72.5	108.7

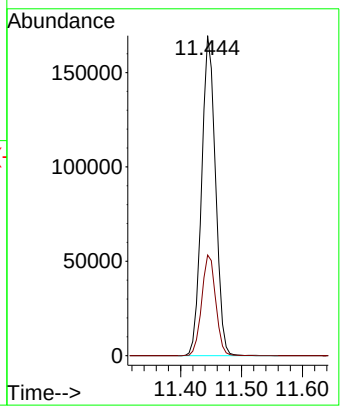




#65
Chlorobenzene
Concen: 50.766 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:112 Resp: 26854

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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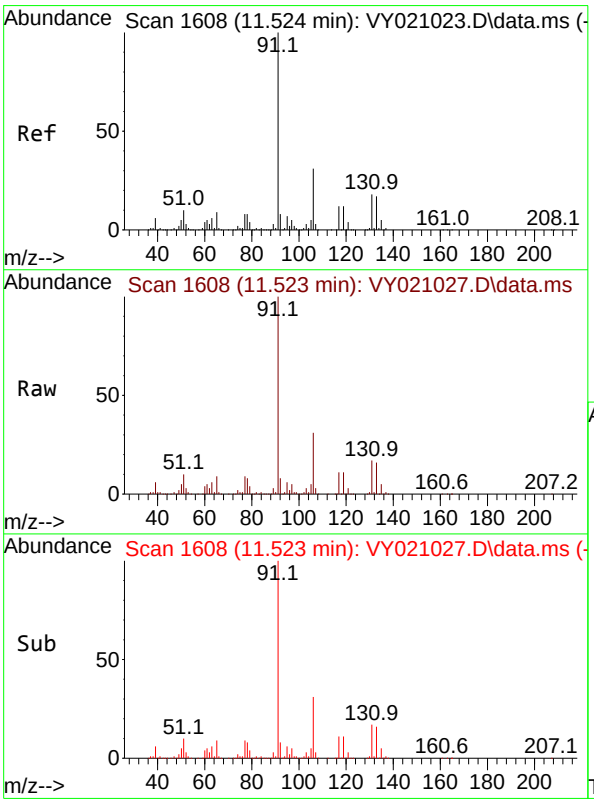
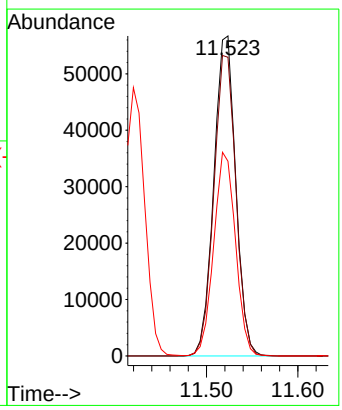
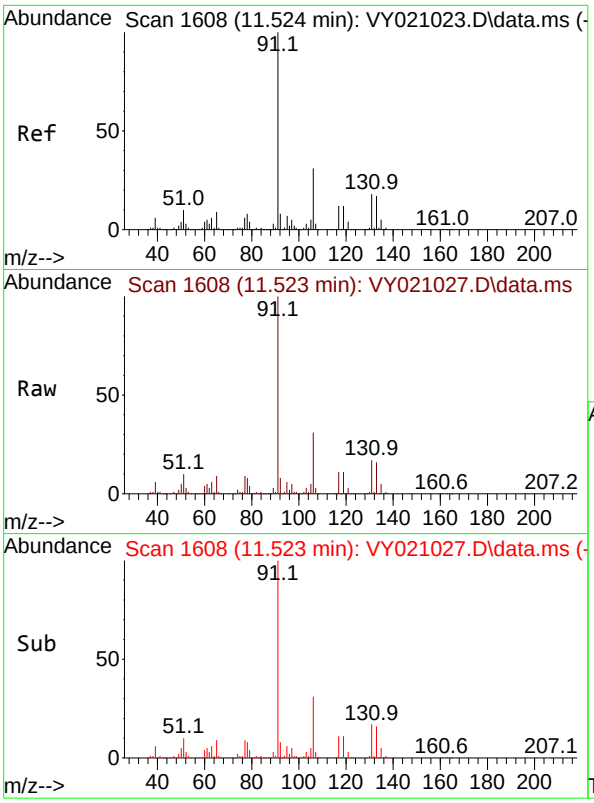


#66
1,1,1,2-Tetrachloroethane
Concen: 50.356 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:131 Resp: 94662

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.0	141.0
119	63.3	33.3	99.9

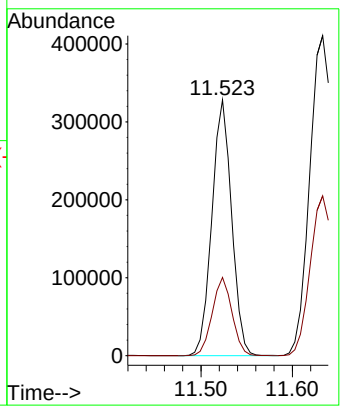




#67
Ethyl Benzene
Concen: 52.642 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 49253

Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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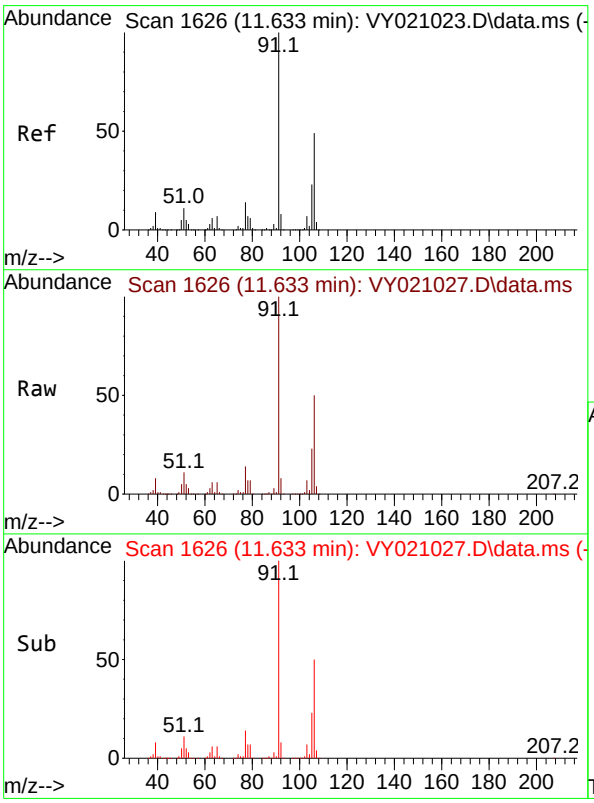
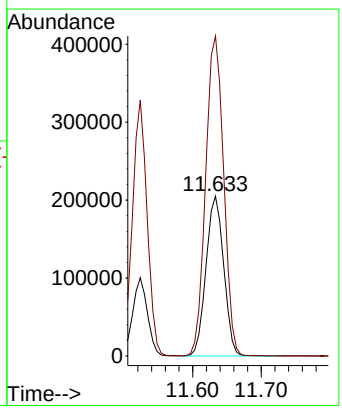
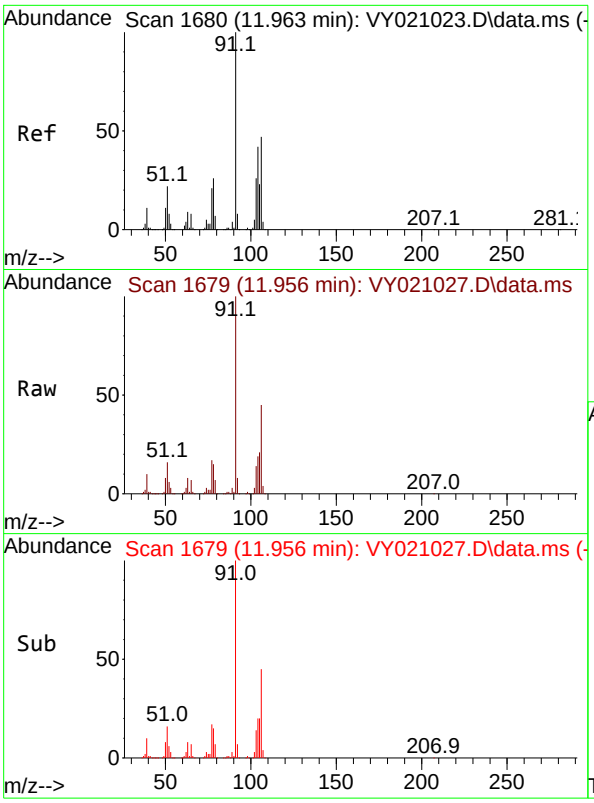


#68
m/p-Xylenes
Concen: 104.978 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 367445

Ion	Ratio	Lower	Upper
106	100		
91	204.0	160.7	241.1

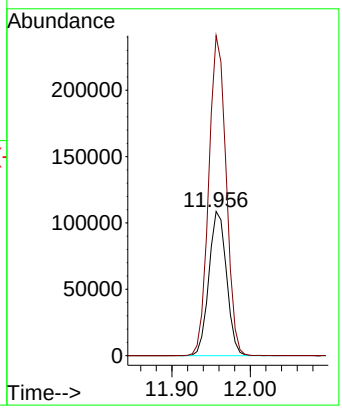




#69
o-Xylene
Concen: 52.062 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 16989

Ion	Ratio	Lower	Upper
106	100		
91	218.5	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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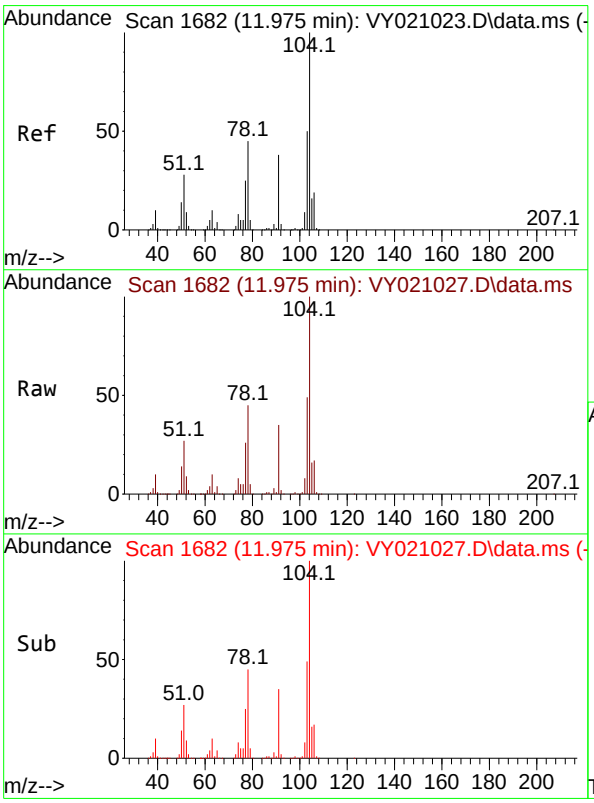
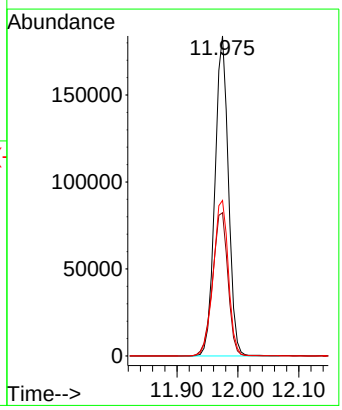
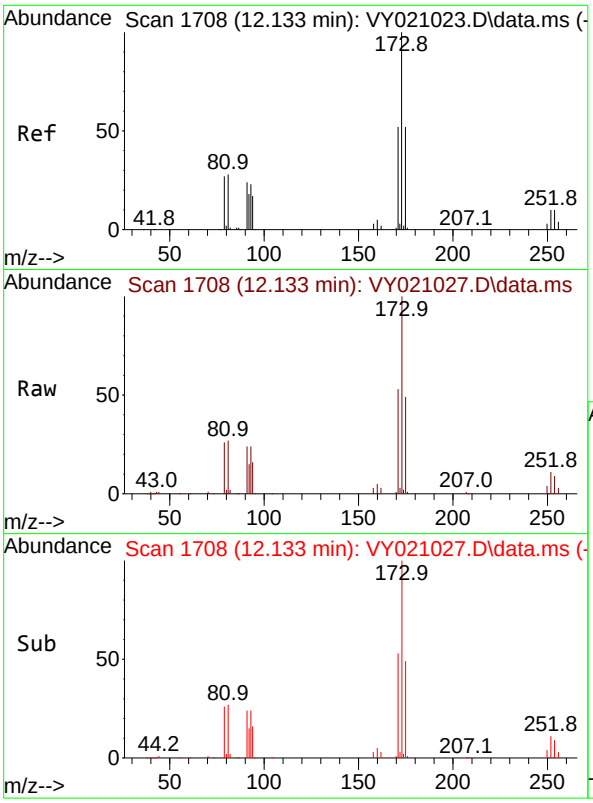


#70
Styrene
Concen: 52.009 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:104 Resp: 282879

Ion	Ratio	Lower	Upper
104	100		
78	50.8	39.2	58.8
103	54.5	43.8	65.6

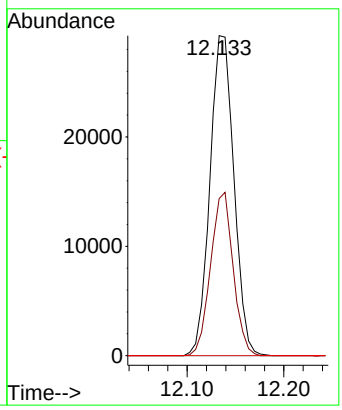




#71
Bromoform
Concen: 48.166 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:173 Resp: 5040

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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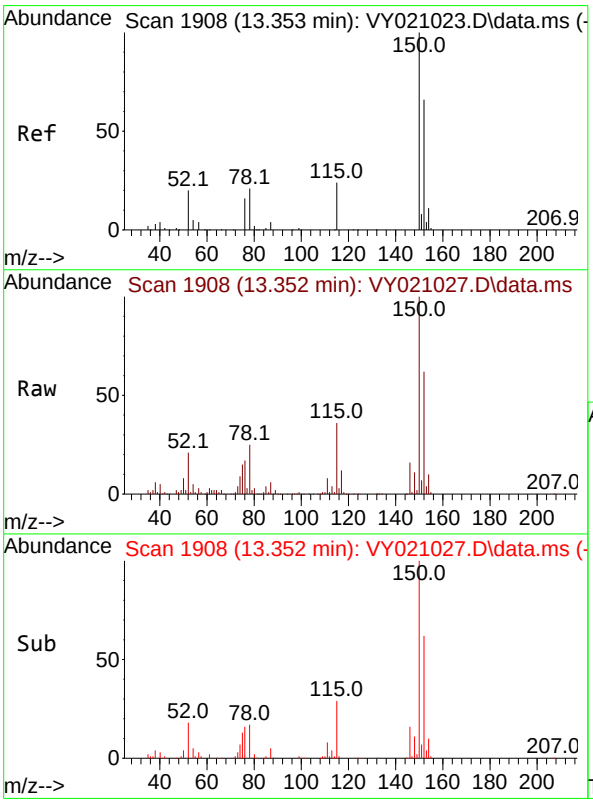
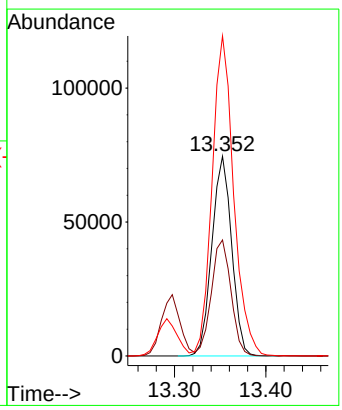
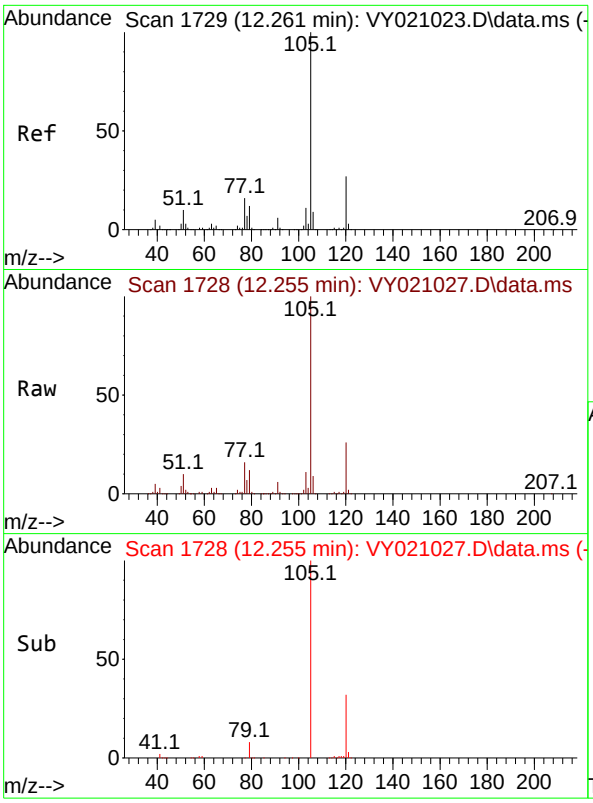


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:152 Resp: 112062

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.0	90.0
150	175.2	0.0	344.6

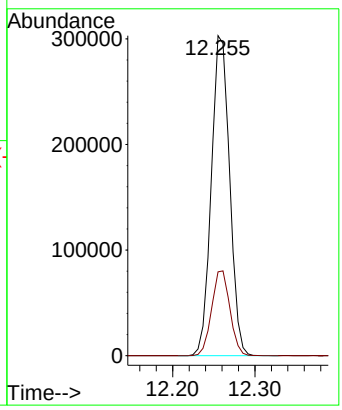




#73
Isopropylbenzene
Concen: 53.377 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 46724

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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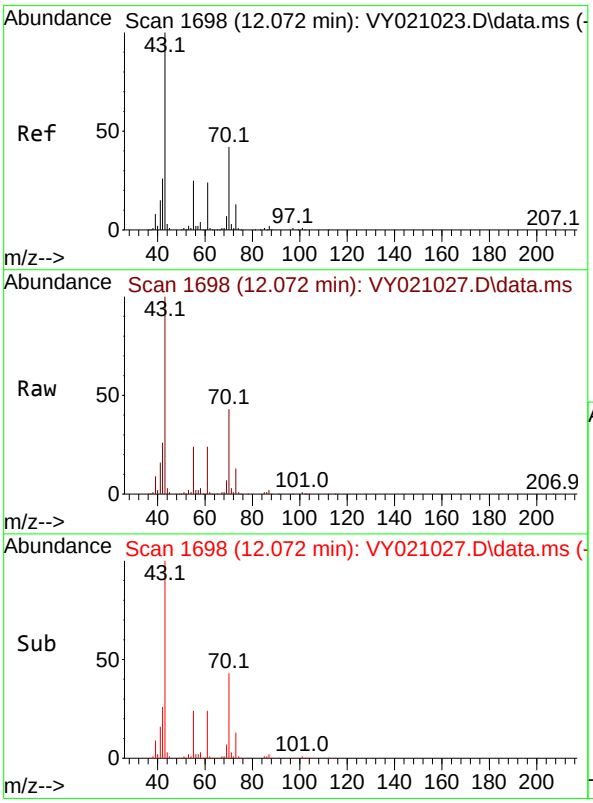
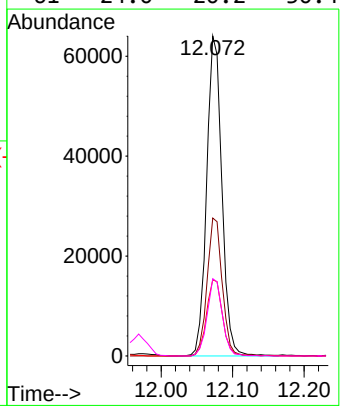
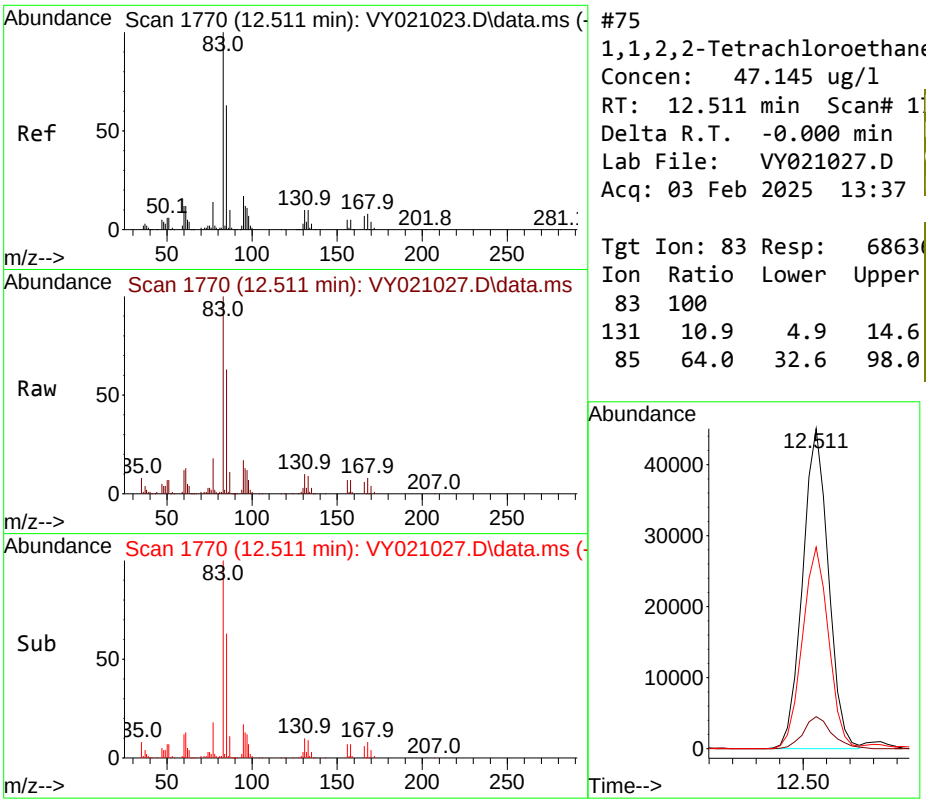


#74
N-amyl acetate
Concen: 49.483 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 94701

Ion	Ratio	Lower	Upper
43	100		
70	42.8	36.6	55.0
55	24.9	22.2	33.4
61	24.0	20.2	30.4





#75
1,1,2,2-Tetrachloroethane
Concen: 47.145 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 6863

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.6
85	64.0	32.6	98.0

Instrument :
MSVOA_Y
ClientSampleId :
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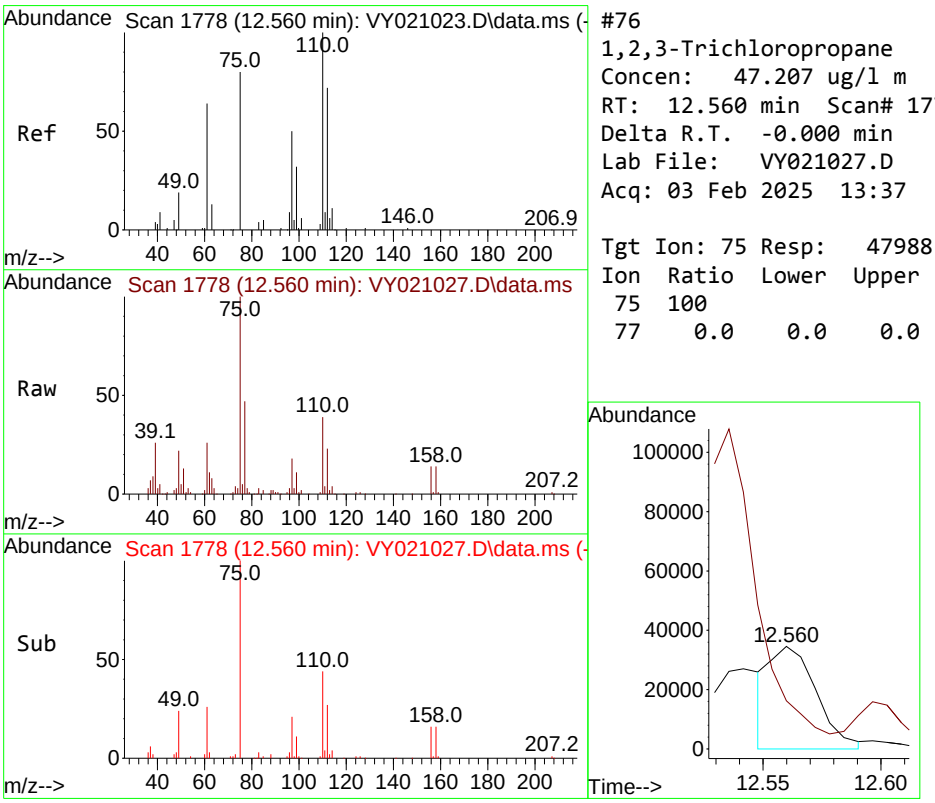
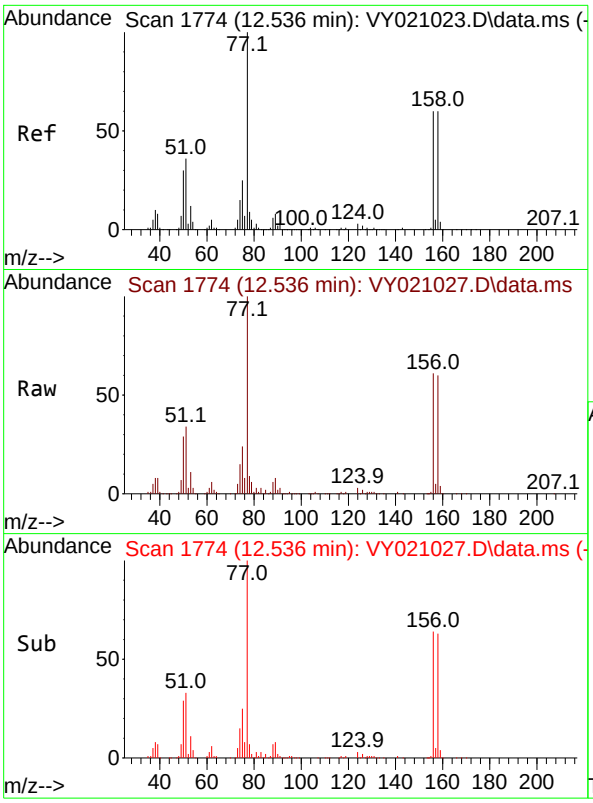


#76
1,2,3-Trichloropropane
Concen: 47.207 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 47988

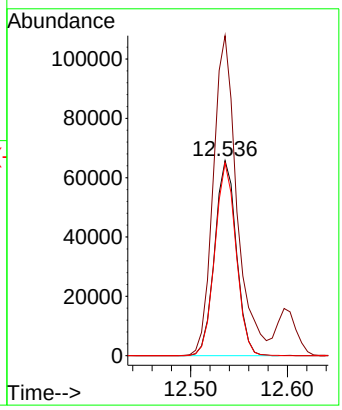
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 50.490 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:156 Resp: 10199

Ion	Ratio	Lower	Upper
156	100		
77	179.9	97.3	291.8
158	96.9	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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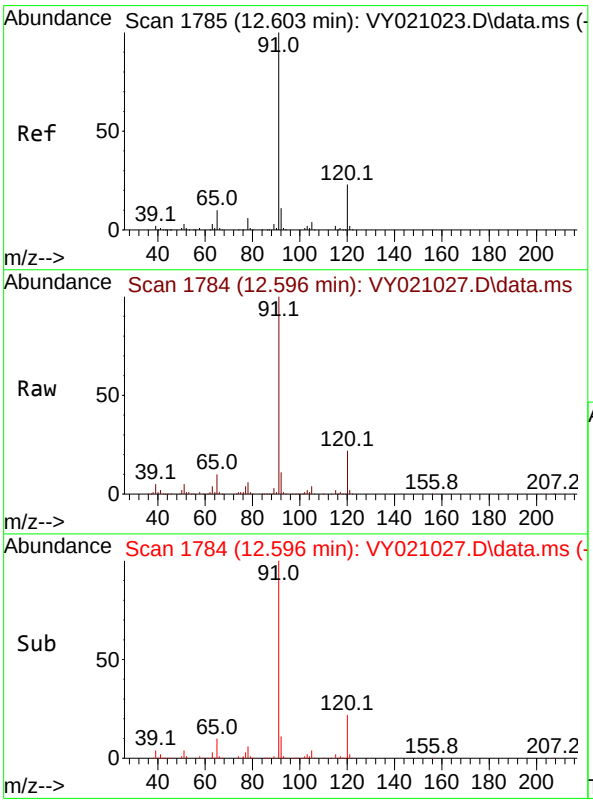
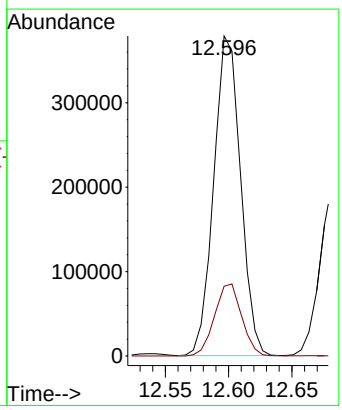
Supervised By :Semsettin Yesilyurt 02/04/2025

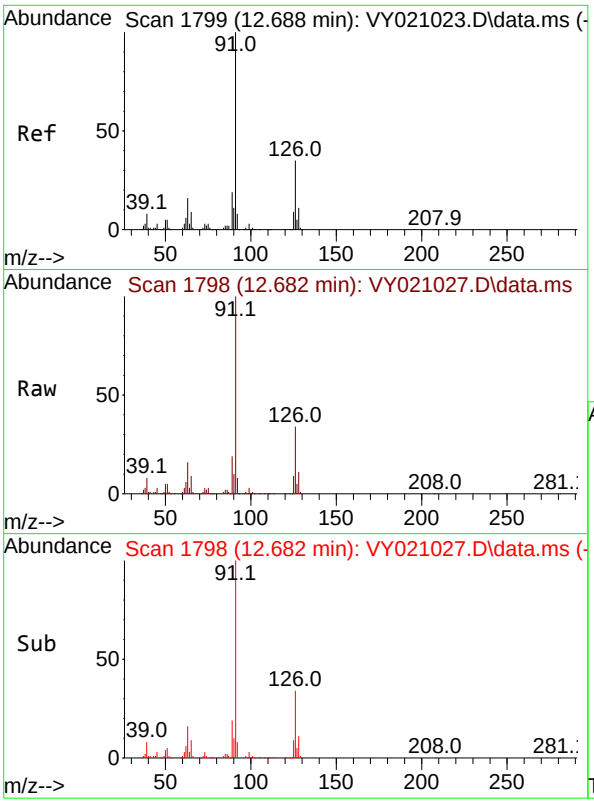


#78
n-propylbenzene
Concen: 53.513 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 558013

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0

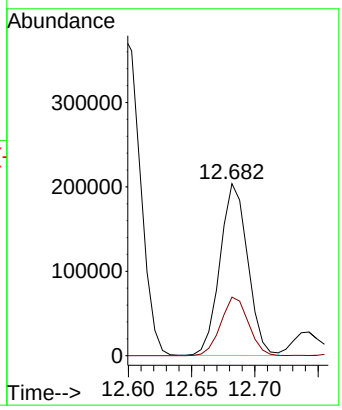




#79
2-Chlorotoluene
Concen: 51.922 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 31009

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0



Instrument :
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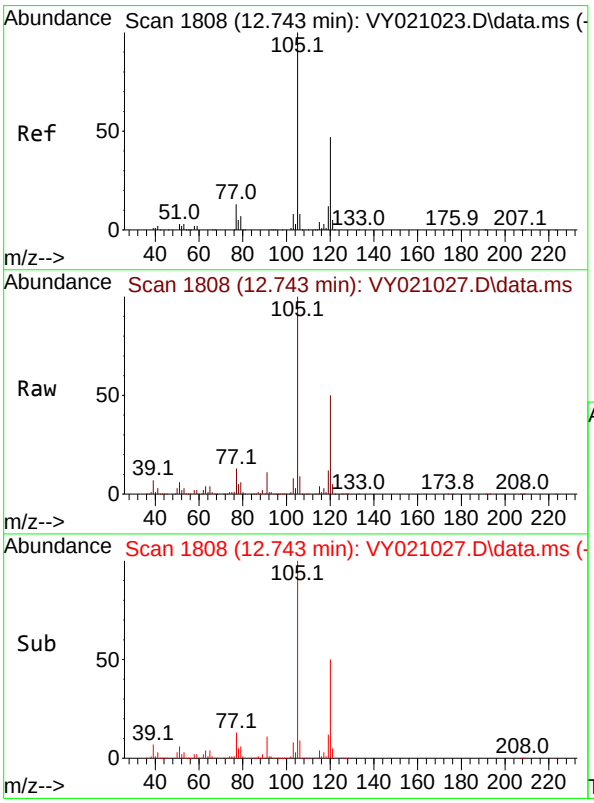
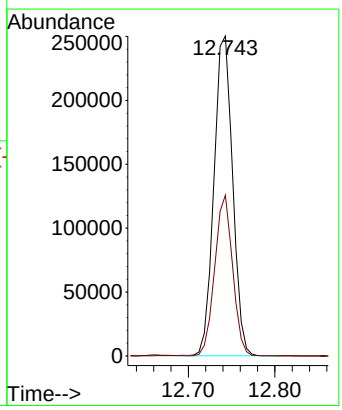
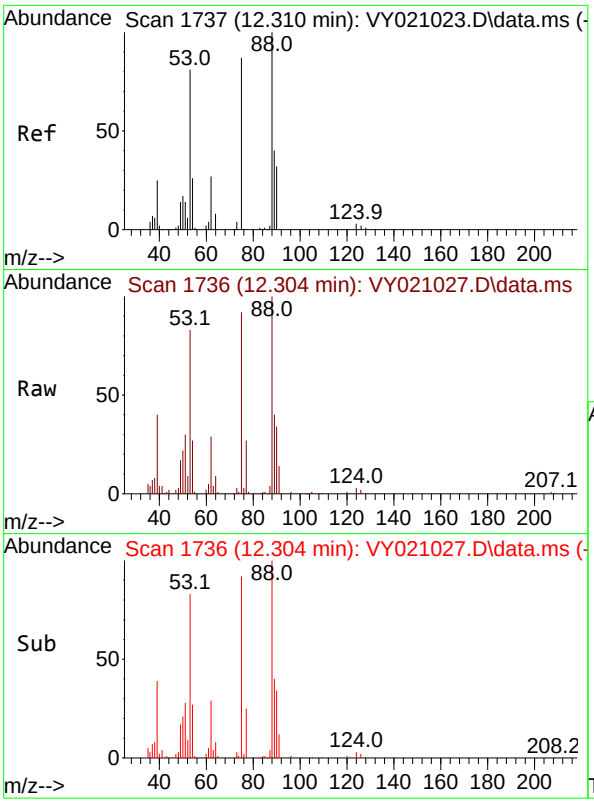


#80
1,3,5-Trimethylbenzene
Concen: 52.840 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 375018

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.841 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 2433

Ion	Ratio	Lower	Upper
75	100		
53	94.8	74.0	111.0
89	45.9	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
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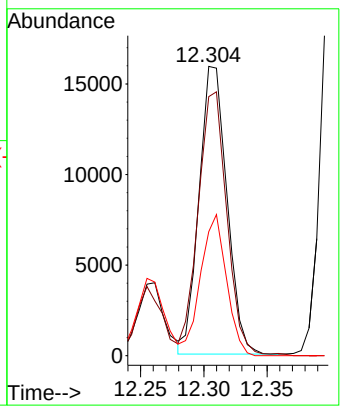
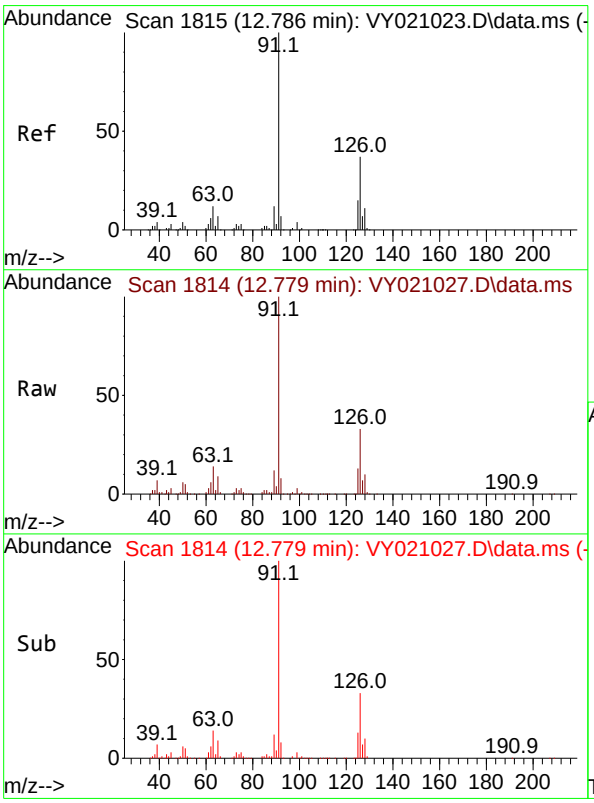
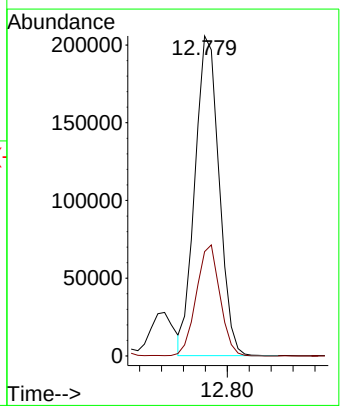


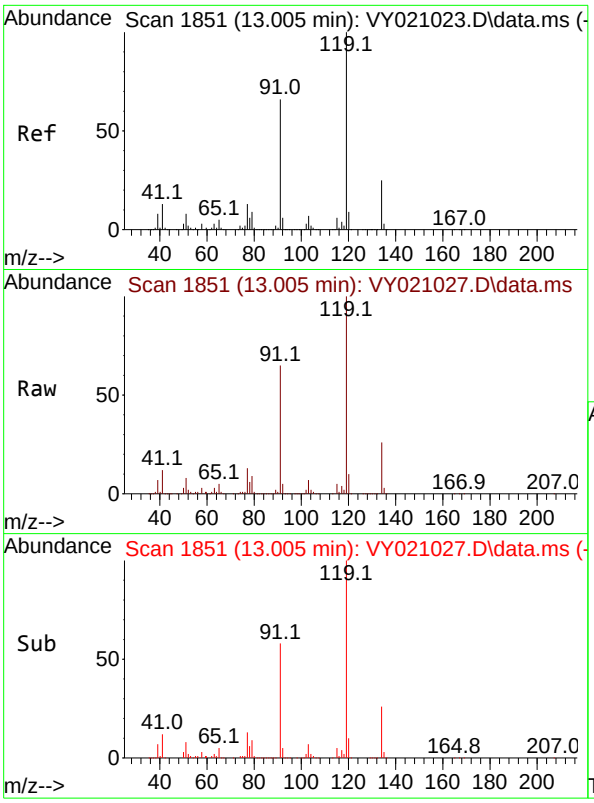


#82
4-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 313949

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.1	51.2

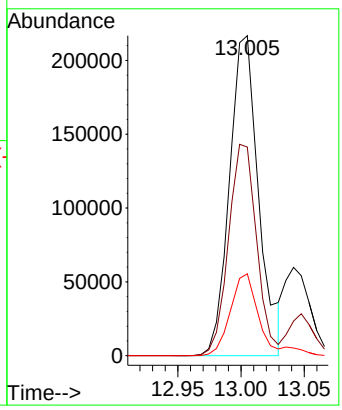




#83
tert-Butylbenzene
Concen: 53.952 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 34804

Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.5	94.5
134	25.9	13.1	39.3



Instrument :
MSVOA_Y
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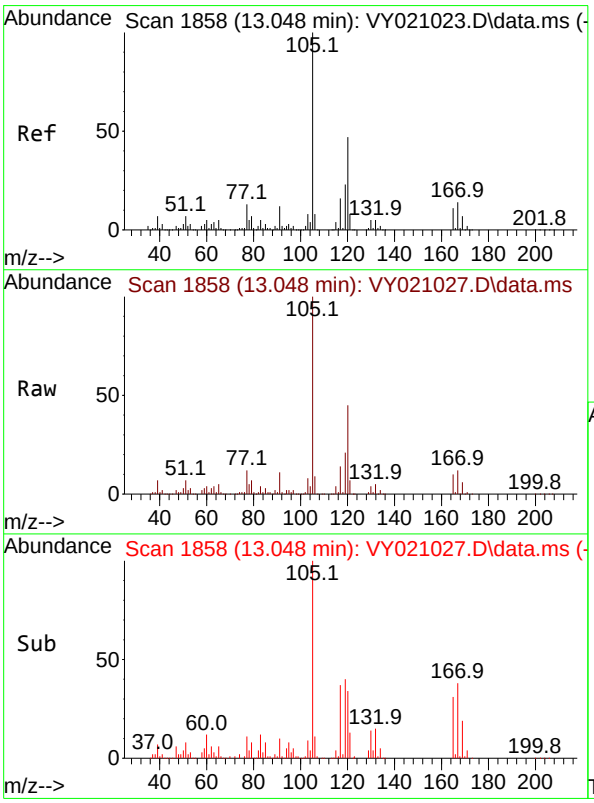
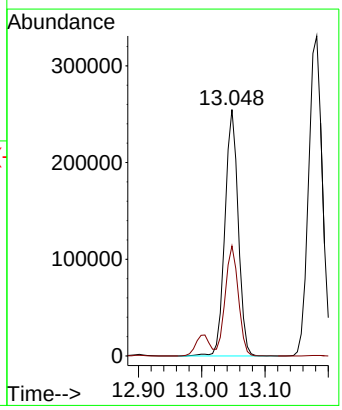
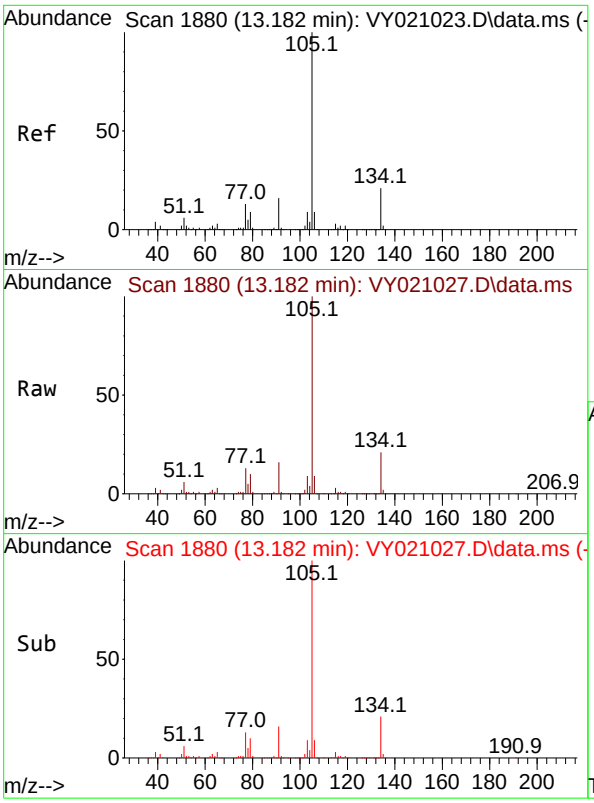


#84
1,2,4-Trimethylbenzene
Concen: 53.370 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 370353

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3

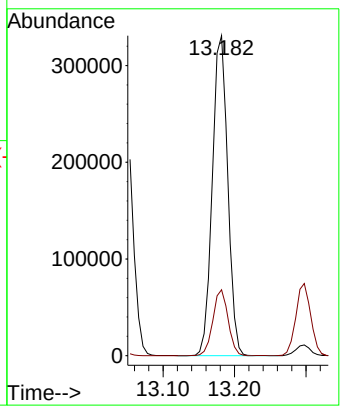




#85
sec-Butylbenzene
Concen: 53.301 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 49495

Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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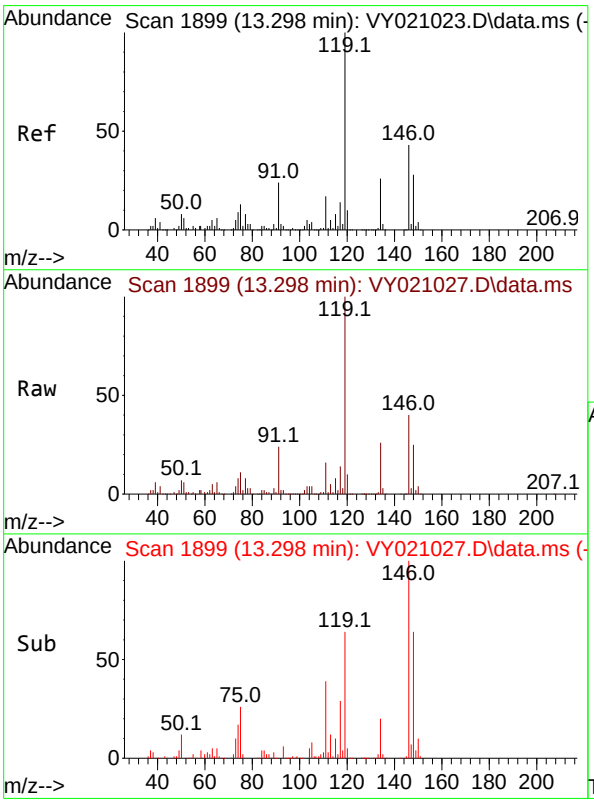
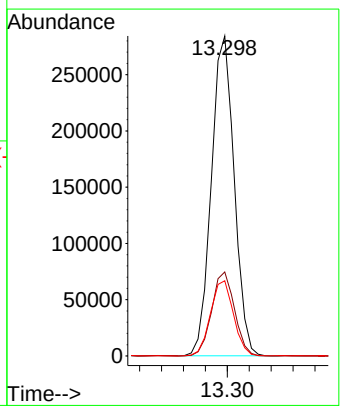
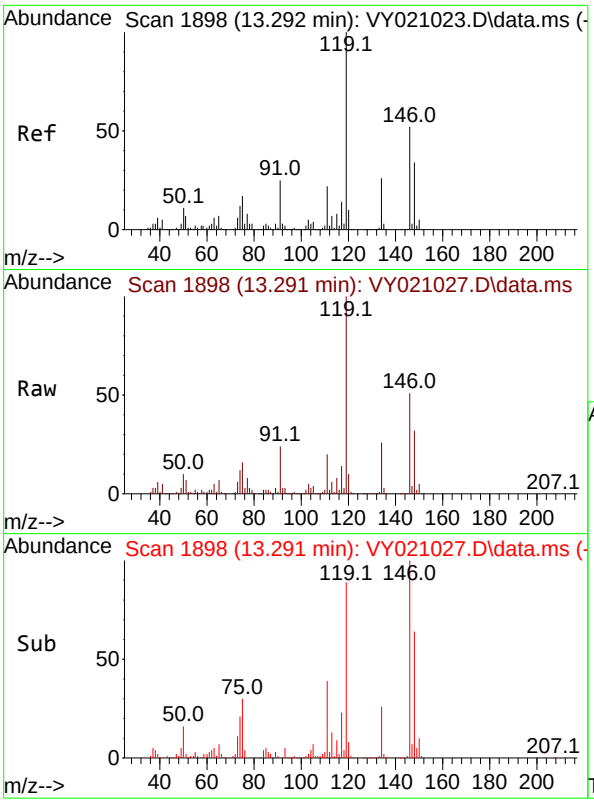


#86
p-Isopropyltoluene
Concen: 53.325 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 411332

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.7	11.7	35.0

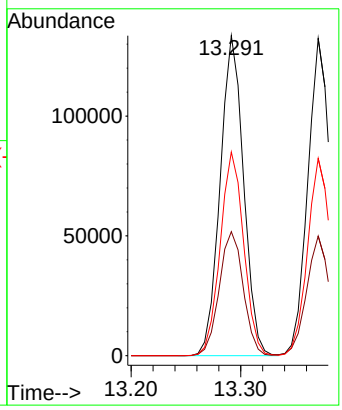




#87
1,3-Dichlorobenzene
Concen: 50.868 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 19840

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.5
148	63.8	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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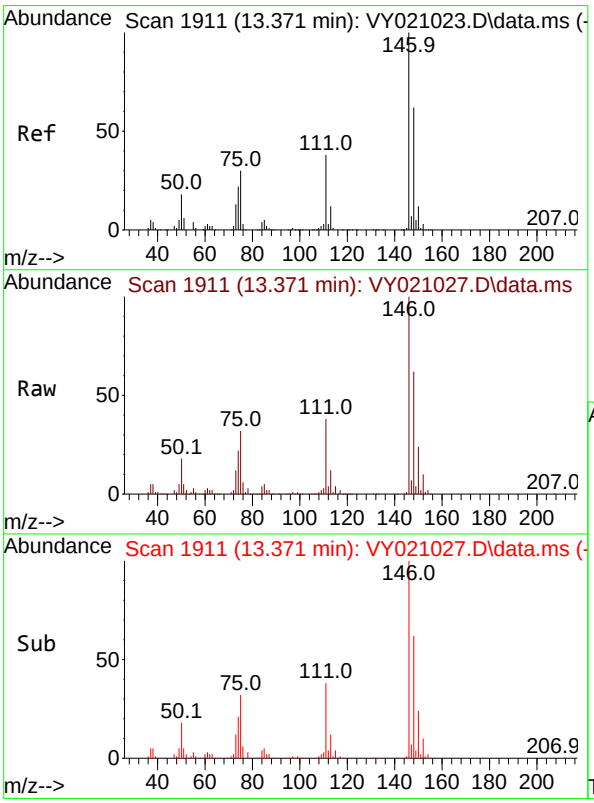
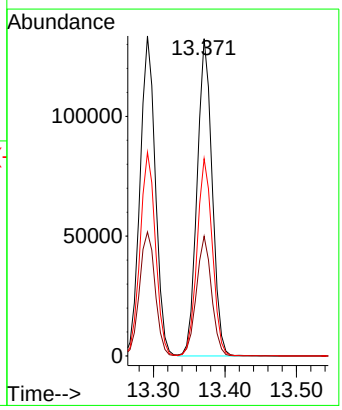
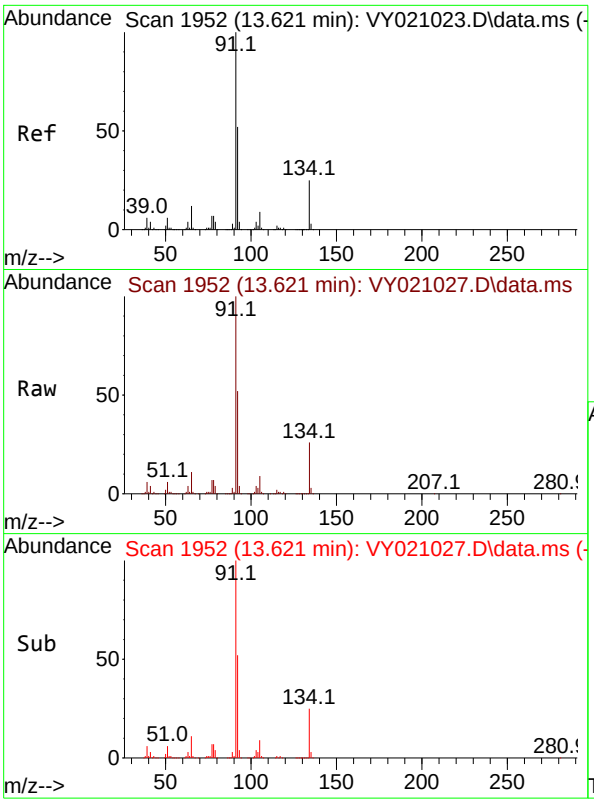


#88
1,4-Dichlorobenzene
Concen: 50.309 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 193207

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.4	31.6	94.7

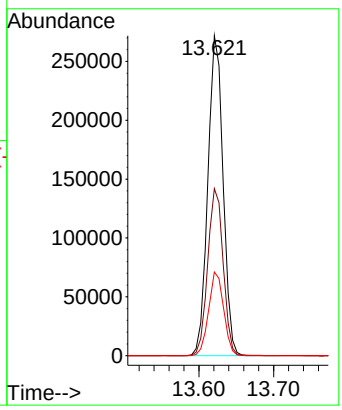




#89
n-Butylbenzene
Concen: 54.636 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 38447

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	25.9	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
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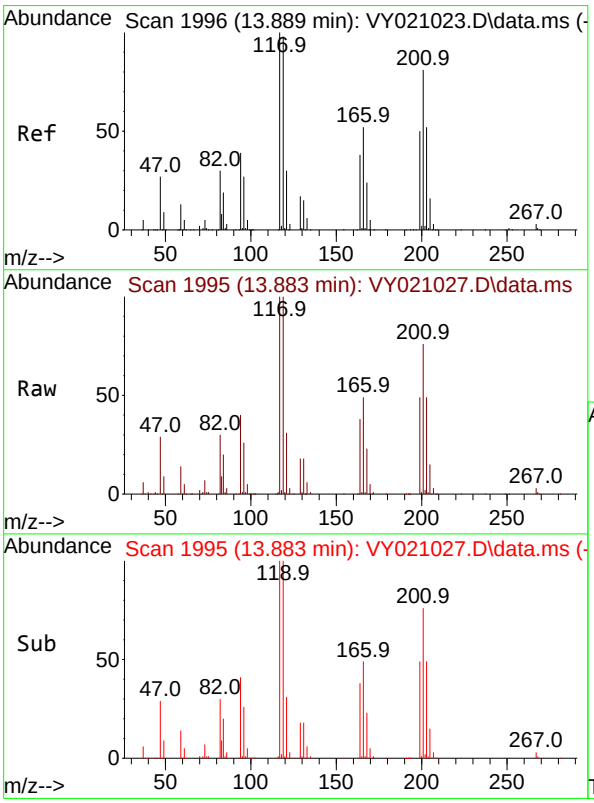
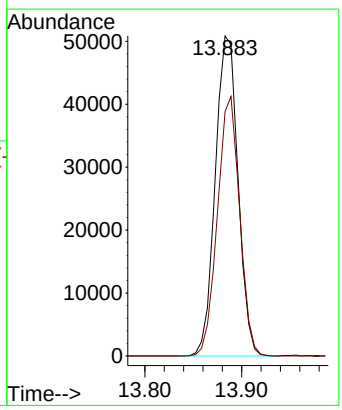
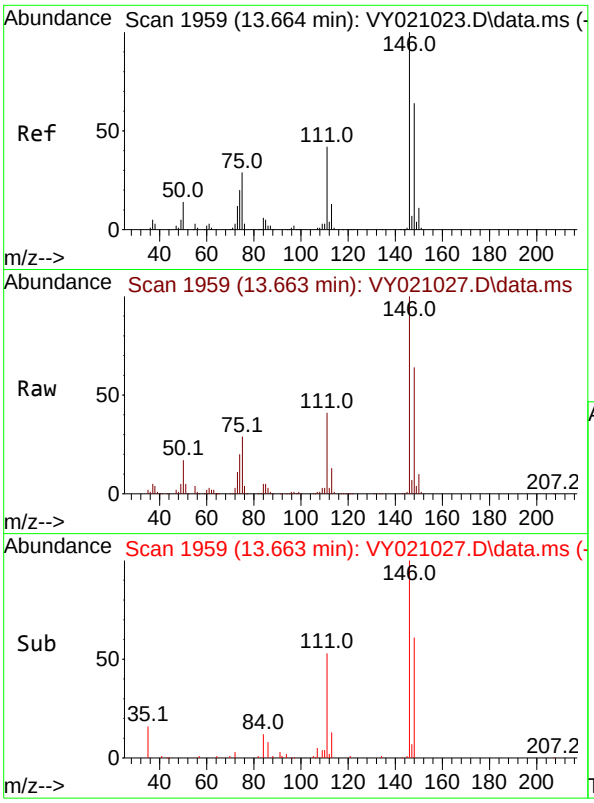


#90
Hexachloroethane
Concen: 51.521 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 82908

Ion	Ratio	Lower	Upper
117	100		
201	79.2	33.4	100.1

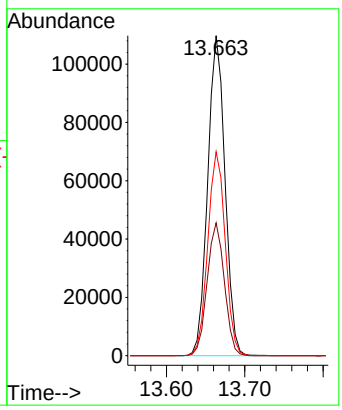




#91
1,2-Dichlorobenzene
Concen: 49.696 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 16823

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	64.3	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
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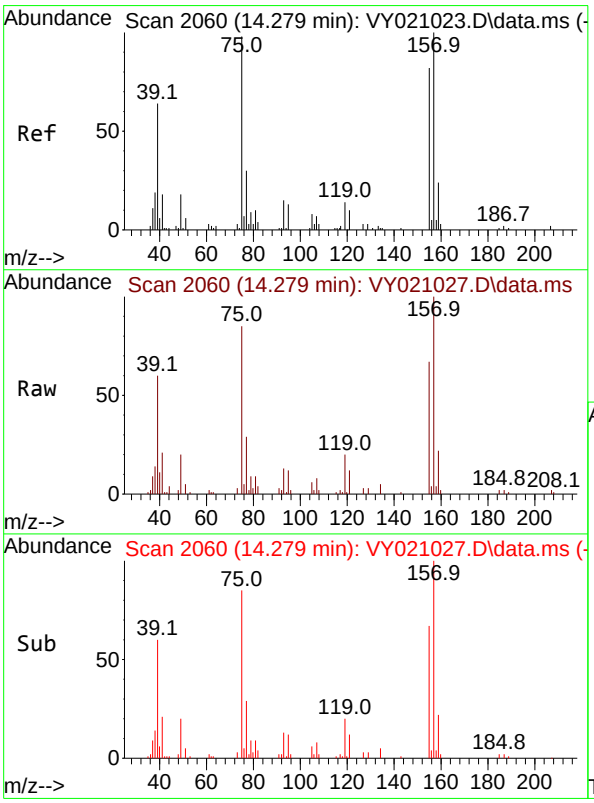
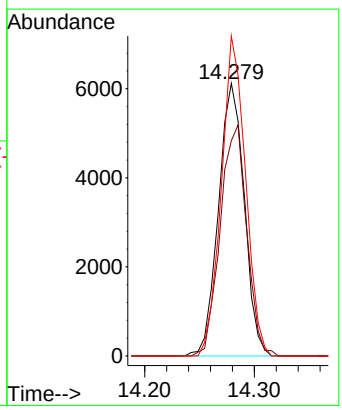
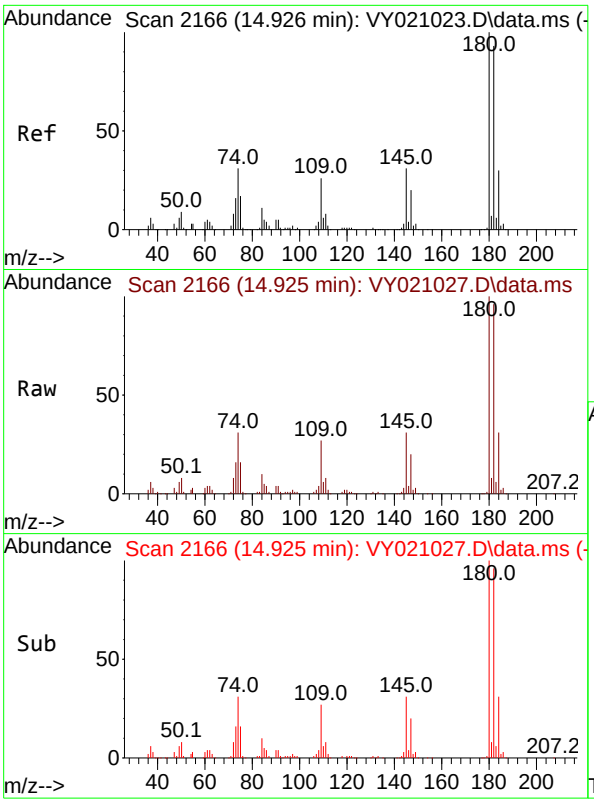


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.965 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 10000

Ion	Ratio	Lower	Upper
75	100		
155	86.6	42.1	126.3
157	109.8	55.8	167.4

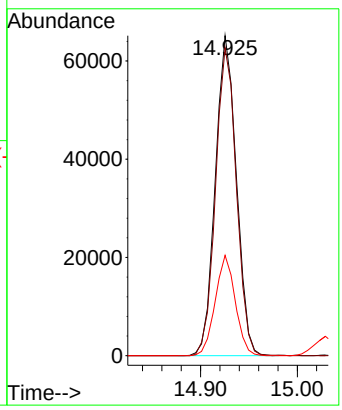




#93
1,2,4-Trichlorobenzene
Concen: 52.224 ug/l
RT: 14.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 9840

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	29.9	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

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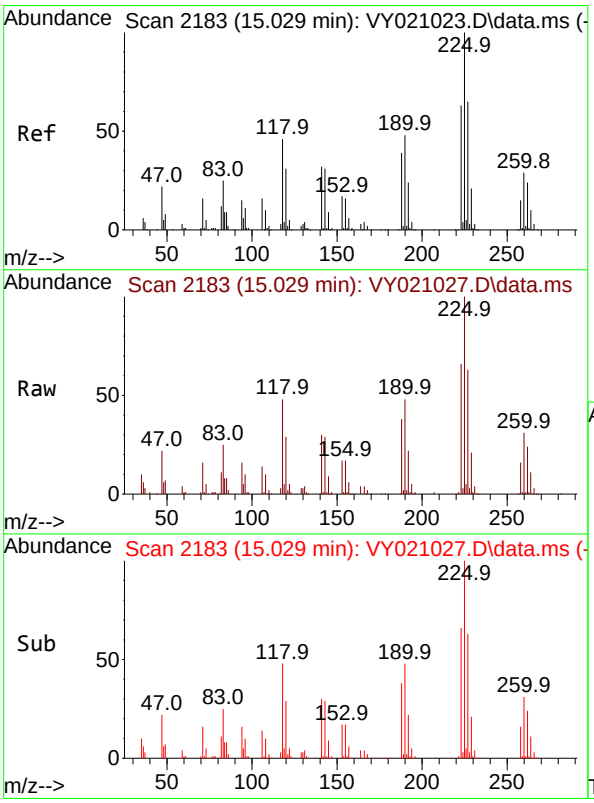
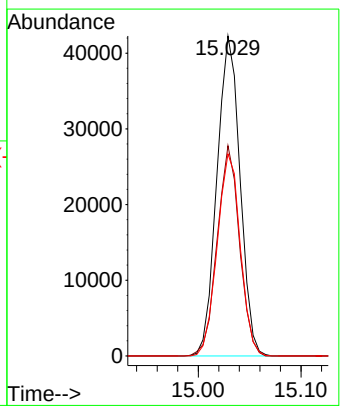
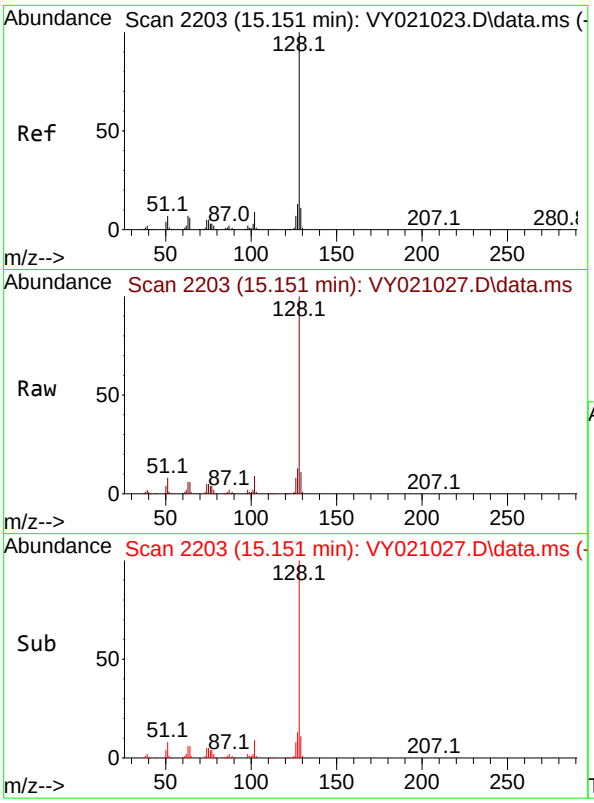


#94
Hexachlorobutadiene
Concen: 52.760 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:225 Resp: 65883

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.3
227	63.0	32.3	96.8

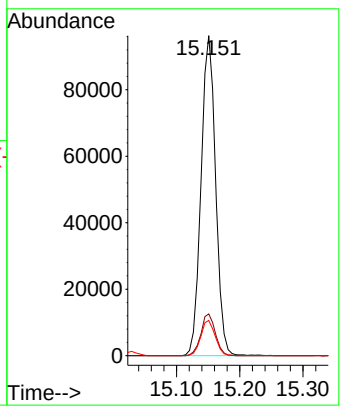




#95
Naphthalene
Concen: 51.245 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:128 Resp: 15449

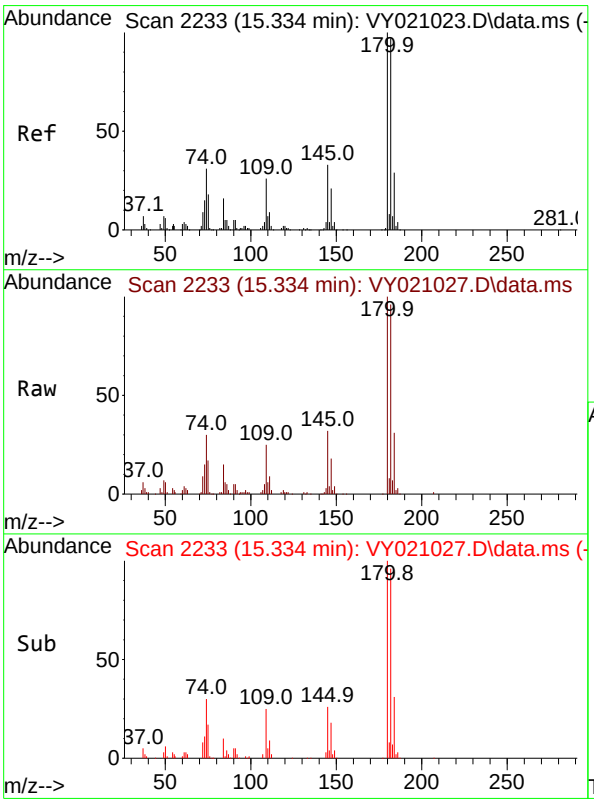
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Manual Integrations
APPROVED

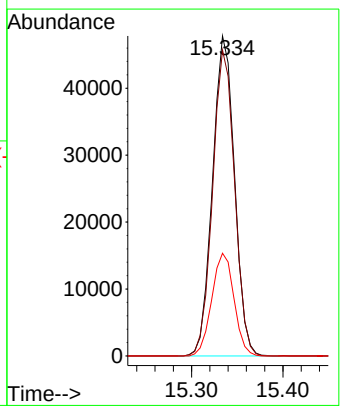
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.882 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 79793

Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.3	138.8
145	32.5	16.1	48.2



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	0.446	0.466	-4.5	105	0.00
3	P	Chloromethane	0.440	0.457	-3.9	109	0.00
4	C	Vinyl Chloride	0.443	0.452	-2.0#	107	0.00
5	T	Bromomethane	0.274	0.288	-5.1	112	0.00
6	T	Chloroethane	0.263	0.263	0.0	104	0.00
7	T	Trichlorofluoromethane	0.806	0.836	-3.7	107	0.00
8	T	Diethyl Ether	0.252	0.235	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.506	0.521	-3.0	106	0.00
10	T	Methyl Iodide	0.562	0.549	2.3	94	0.00
11	T	Tert butyl alcohol	0.035	0.030	14.3	94	-0.01
12	CM	1,1-Dichloroethene	0.477	0.494	-3.6#	106	0.00
13	T	Acrolein	0.053	0.050	5.7	97	0.00
14	T	Allyl chloride	0.803	0.814	-1.4	102	0.00
15	T	Acrylonitrile	0.105	0.097	7.6	91	0.00
16	T	Acetone	0.080	0.078	2.5	101	-0.01
17	T	Carbon Disulfide	1.495	1.555	-4.0	106	0.00
18	T	Methyl Acetate	0.280	0.258	7.9	90	0.00
19	T	Methyl tert-butyl Ether	1.205	1.146	4.9	95	0.00
20	T	Methylene Chloride	0.497	0.491	1.2	102	0.00
21	T	trans-1,2-Dichloroethene	0.525	0.530	-1.0	102	0.00
22	T	Diisopropyl ether	1.656	1.636	1.2	99	0.00
23	T	Vinyl Acetate	0.923	0.880	4.7	93	0.00
24	P	1,1-Dichloroethane	0.970	0.967	0.3	103	0.00
25	T	2-Butanone	0.131	0.123	6.1	91	0.00
26	T	2,2-Dichloropropane	0.898	0.912	-1.6	105	0.00
27	T	cis-1,2-Dichloroethene	0.604	0.601	0.5	101	0.00
28	T	Bromochloromethane	0.384	0.420	-9.4	102	0.00
29	T	Tetrahydrofuran	0.089	0.081	9.0	89	0.00
30	C	Chloroform	0.997	0.974	2.3#	100	0.00
31	T	Cyclohexane	0.874	0.875	-0.1	106	0.00
32	T	1,1,1-Trichloroethane	0.927	0.938	-1.2	103	0.00
33	S	1,2-Dichloroethane-d4	0.512	0.559	-9.2	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.320	0.370	-15.6	116	0.00
36	T	1,1-Dichloropropene	0.475	0.500	-5.3	106	0.00
37	T	Ethyl Acetate	0.208	0.196	5.8	91	0.00
38	T	Carbon Tetrachloride	0.555	0.574	-3.4	103	0.00
39	T	Methylcyclohexane	0.581	0.628	-8.1	105	0.00
40	TM	Benzene	1.393	1.422	-2.1	101	0.00
41	T	Methacrylonitrile	0.120	0.104	13.3	92	0.00
42	TM	1,2-Dichloroethane	0.386	0.370	4.1	96	0.00
43	T	Isopropyl Acetate	0.414	0.393	5.1	92	0.00
44	TM	Trichloroethene	0.360	0.365	-1.4	103	0.00
45	C	1,2-Dichloropropane	0.331	0.328	0.9#	99	0.00
46	T	Dibromomethane	0.183	0.172	6.0	93	0.00
47	T	Bromodichloromethane	0.491	0.479	2.4	98	0.00
48	T	Methyl methacrylate	0.188	0.187	0.5	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	96	0.00
50	S	Toluene-d8	1.220	1.463	-19.9	120	0.00
51	T	4-Methyl-2-Pentanone	0.208	0.197	5.3	90	0.00
52	CM	Toluene	0.875	0.894	-2.2#	100	0.00
53	T	t-1,3-Dichloropropene	0.441	0.440	0.2	96	0.00
54	T	cis-1,3-Dichloropropene	0.522	0.528	-1.1	99	0.00
55	T	1,1,2-Trichloroethane	0.237	0.222	6.3	93	0.00
56	T	Ethyl methacrylate	0.317	0.311	1.9	91	0.00
57	T	1,3-Dichloropropane	0.410	0.394	3.9	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.152	-0.7	95	0.00
59	T	2-Hexanone	0.134	0.128	4.5	88	0.00
60	T	Dibromochloromethane	0.333	0.320	3.9	96	0.00
61	T	1,2-Dibromoethane	0.222	0.210	5.4	92	0.00
62	S	4-Bromofluorobenzene	0.399	0.470	-17.8	115	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.371	0.389	-4.9	103	0.00
65	PM	Chlorobenzene	1.113	1.130	-1.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.396	0.398	-0.5	99	0.00
67	C	Ethyl Benzene	1.969	2.073	-5.3#	101	0.00
68	T	m/p-Xylenes	0.737	0.773	-4.9	100	0.00
69	T	o-Xylene	0.687	0.715	-4.1	100	0.00
70	T	Styrene	1.145	1.191	-4.0	98	0.00
71	P	Bromoform	0.220	0.212	3.6	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.906	4.170	-6.8	101	0.00
74	T	N-amyl acetate	0.854	0.845	1.1	88	0.00
75	P	1,1,2,2-Tetrachloroethane	0.650	0.612	5.8	90	0.00
76	T	1,2,3-Trichloropropane	0.454	0.428	5.7	86	0.00
77	T	Bromobenzene	0.901	0.910	-1.0	98	0.00
78	T	n-propylbenzene	4.653	4.980	-7.0	101	0.00
79	T	2-Chlorotoluene	2.665	2.767	-3.8	99	0.00
80	T	1,3,5-Trimethylbenzene	3.167	3.347	-5.7	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.217	2.3	90	0.00
82	T	4-Chlorotoluene	2.715	2.802	-3.2	99	0.00
83	T	tert-Butylbenzene	2.878	3.106	-7.9	100	0.00
84	T	1,2,4-Trimethylbenzene	3.096	3.305	-6.8	100	0.00
85	T	sec-Butylbenzene	4.143	4.417	-6.6	101	0.00
86	T	p-Isopropyltoluene	3.442	3.671	-6.7	99	0.00
87	T	1,3-Dichlorobenzene	1.740	1.770	-1.7	97	0.00
88	T	1,4-Dichlorobenzene	1.714	1.724	-0.6	96	0.00
89	T	n-Butylbenzene	3.140	3.431	-9.3	101	0.00
90	T	Hexachloroethane	0.718	0.740	-3.1	98	0.00
91	T	1,2-Dichlorobenzene	1.510	1.501	0.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.097	0.089	8.2	85	0.00
93	T	1,2,4-Trichlorobenzene	0.841	0.878	-4.4	93	0.00
94	T	Hexachlorobutadiene	0.557	0.588	-5.6	98	0.00
95	T	Naphthalene	1.345	1.379	-2.5	86	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.700	0.712	-1.7	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	50.000	52.290	-4.6	105	0.00
3	P	Chloromethane	50.000	52.006	-4.0	109	0.00
4	C	Vinyl Chloride	50.000	51.058	-2.1#	107	0.00
5	T	Bromomethane	50.000	52.624	-5.2	112	0.00
6	T	Chloroethane	50.000	49.925	0.2	104	0.00
7	T	Trichlorofluoromethane	50.000	51.864	-3.7	107	0.00
8	T	Diethyl Ether	50.000	46.708	6.6	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.507	-3.0	106	0.00
10	T	Methyl Iodide	50.000	48.858	2.3	94	0.00
11	T	Tert butyl alcohol	250.000	214.161	14.3	94	-0.01
12	CM	1,1-Dichloroethene	50.000	51.810	-3.6#	106	0.00
13	T	Acrolein	250.000	235.305	5.9	97	0.00
14	T	Allyl chloride	50.000	50.663	-1.3	102	0.00
15	T	Acrylonitrile	250.000	230.328	7.9	91	0.00
16	T	Acetone	250.000	243.997	2.4	101	-0.01
17	T	Carbon Disulfide	50.000	52.004	-4.0	106	0.00
18	T	Methyl Acetate	50.000	46.031	7.9	90	0.00
19	T	Methyl tert-butyl Ether	50.000	47.538	4.9	95	0.00
20	T	Methylene Chloride	50.000	49.414	1.2	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.506	-1.0	102	0.00
22	T	Diisopropyl ether	50.000	49.407	1.2	99	0.00
23	T	Vinyl Acetate	250.000	238.370	4.7	93	0.00
24	P	1,1-Dichloroethane	50.000	49.806	0.4	103	0.00
25	T	2-Butanone	250.000	233.503	6.6	91	0.00
26	T	2,2-Dichloropropane	50.000	50.791	-1.6	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.785	0.4	101	0.00
28	T	Bromochloromethane	50.000	54.731	-9.5	102	0.00
29	T	Tetrahydrofuran	250.000	228.139	8.7	89	0.00
30	C	Chloroform	50.000	48.846	2.3#	100	0.00
31	T	Cyclohexane	50.000	50.051	-0.1	106	0.00
32	T	1,1,1-Trichloroethane	50.000	50.620	-1.2	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.604	-9.2	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	57.790	-15.6	116	0.00
36	T	1,1-Dichloropropene	50.000	52.625	-5.3	106	0.00
37	T	Ethyl Acetate	50.000	47.006	6.0	91	0.00
38	T	Carbon Tetrachloride	50.000	51.711	-3.4	103	0.00
39	T	Methylcyclohexane	50.000	54.123	-8.2	105	0.00
40	TM	Benzene	50.000	51.052	-2.1	101	0.00
41	T	Methacrylonitrile	50.000	43.131	13.7	92	0.00
42	TM	1,2-Dichloroethane	50.000	47.910	4.2	96	0.00
43	T	Isopropyl Acetate	50.000	47.523	5.0	92	0.00
44	TM	Trichloroethene	50.000	50.777	-1.6	103	0.00
45	C	1,2-Dichloropropane	50.000	49.666	0.7#	99	0.00
46	T	Dibromomethane	50.000	46.914	6.2	93	0.00
47	T	Bromodichloromethane	50.000	48.799	2.4	98	0.00
48	T	Methyl methacrylate	50.000	49.560	0.9	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1001.398	-0.1	96	0.00
50	S	Toluene-d8	50.000	59.966	-19.9	120	0.00
51	T	4-Methyl-2-Pentanone	250.000	236.615	5.4	90	0.00
52	CM	Toluene	50.000	51.135	-2.3#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	49.950	0.1	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.550	-1.1	99	0.00
55	T	1,1,2-Trichloroethane	50.000	46.820	6.4	93	0.00
56	T	Ethyl methacrylate	50.000	49.082	1.8	91	0.00
57	T	1,3-Dichloropropane	50.000	47.980	4.0	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	251.852	-0.7	95	0.00
59	T	2-Hexanone	250.000	239.750	4.1	88	0.00
60	T	Dibromochloromethane	50.000	48.123	3.8	96	0.00
61	T	1,2-Dibromoethane	50.000	47.325	5.3	92	0.00
62	S	4-Bromofluorobenzene	50.000	58.919	-17.8	115	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	52.446	-4.9	103	0.00
65	PM	Chlorobenzene	50.000	50.766	-1.5	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.356	-0.7	99	0.00
67	C	Ethyl Benzene	50.000	52.642	-5.3#	101	0.00
68	T	m/p-Xylenes	100.000	104.978	-5.0	100	0.00
69	T	o-Xylene	50.000	52.062	-4.1	100	0.00
70	T	Styrene	50.000	52.009	-4.0	98	0.00
71	P	Bromoform	50.000	48.166	3.7	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	53.377	-6.8	101	0.00
74	T	N-amyl acetate	50.000	49.483	1.0	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.145	5.7	90	0.00
76	T	1,2,3-Trichloropropane	50.000	47.207	5.6	86	0.00
77	T	Bromobenzene	50.000	50.490	-1.0	98	0.00
78	T	n-propylbenzene	50.000	53.513	-7.0	101	0.00
79	T	2-Chlorotoluene	50.000	51.922	-3.8	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.840	-5.7	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.841	2.3	90	0.00
82	T	4-Chlorotoluene	50.000	51.594	-3.2	99	0.00
83	T	tert-Butylbenzene	50.000	53.952	-7.9	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.370	-6.7	100	0.00
85	T	sec-Butylbenzene	50.000	53.301	-6.6	101	0.00
86	T	p-Isopropyltoluene	50.000	53.325	-6.7	99	0.00
87	T	1,3-Dichlorobenzene	50.000	50.868	-1.7	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.309	-0.6	96	0.00
89	T	n-Butylbenzene	50.000	54.636	-9.3	101	0.00
90	T	Hexachloroethane	50.000	51.521	-3.0	98	0.00
91	T	1,2-Dichlorobenzene	50.000	49.696	0.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.965	8.1	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.224	-4.4	93	0.00
94	T	Hexachlorobutadiene	50.000	52.760	-5.5	98	0.00
95	T	Naphthalene	50.000	51.245	-2.5	86	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.882	-1.8	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Chloromethane	0.709	0.628	0.566	0.602	0.597	0.570	0.612	8.6
Vinyl Chloride	0.648	0.591	0.554	0.627	0.606	0.580	0.601	5.6
Bromomethane	0.505	0.414	0.361	0.387	0.371	0.359	0.399	13.9
Chloroethane	0.414	0.365	0.347	0.390	0.365	0.355	0.373	6.7
Trichlorofluoromethane	0.976	0.915	0.838	0.936	0.909	0.870	0.908	5.3
1,1,2-Trichlorotrifluoroethane	0.546	0.529	0.491	0.537	0.541	0.508	0.525	4.1
1,1-Dichloroethene	0.545	0.489	0.462	0.515	0.518	0.490	0.503	5.7
Acetone	0.122	0.102	0.094	0.128	0.104	0.103	0.109	11.9
Carbon Disulfide	1.800	1.652	1.540	1.734	1.678	1.620	1.671	5.4
Methyl tert-butyl Ether	1.312	1.268	1.267	1.410	1.410	1.307	1.329	4.9
Methylene Chloride	0.733	0.598	0.539	0.585	0.547	0.529	0.588	12.8
trans-1,2-Dichloroethene	0.589	0.536	0.507	0.573	0.570	0.547	0.554	5.4
1,1-Dichloroethane	1.101	1.032	0.961	1.083	1.058	1.007	1.040	4.9
2-Butanone	0.162	0.155	0.156	0.183	0.171	0.159	0.164	6.5
Carbon Tetrachloride	0.567	0.562	0.509	0.581	0.567	0.535	0.554	4.8
cis-1,2-Dichloroethene	0.649	0.610	0.588	0.665	0.656	0.626	0.632	4.7
Chloroform	1.128	1.046	0.977	1.095	1.062	1.017	1.054	5.1
1,1,1-Trichloroethane	1.020	0.956	0.889	0.986	0.979	0.927	0.960	4.8
Methylcyclohexane	0.597	0.613	0.584	0.662	0.663	0.618	0.623	5.3
Benzene	1.515	1.445	1.359	1.533	1.472	1.409	1.456	4.5
1,2-Dichloroethane	0.422	0.417	0.393	0.434	0.419	0.394	0.413	3.9
Trichloroethene	0.375	0.360	0.341	0.382	0.375	0.354	0.364	4.3
1,2-Dichloropropane	0.360	0.350	0.329	0.371	0.357	0.336	0.350	4.5
Bromodichloromethane	0.519	0.503	0.477	0.541	0.528	0.495	0.511	4.5
4-Methyl-2-Pentanone	0.220	0.227	0.239	0.267	0.264	0.238	0.243	7.9
Toluene	0.887	0.888	0.852	0.965	0.936	0.897	0.904	4.4
t-1,3-Dichloropropene	0.438	0.436	0.434	0.515	0.509	0.474	0.468	8
cis-1,3-Dichloropropene	0.541	0.526	0.528	0.591	0.581	0.546	0.552	5
1,1,2-Trichloroethane	0.250	0.251	0.238	0.267	0.254	0.237	0.249	4.4
2-Hexanone	0.133	0.146	0.155	0.183	0.178	0.162	0.159	11.9

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Dibromochloromethane	0.340	0.325	0.322	0.368	0.352	0.332	0.340	5.2
Tetrachloroethene	0.405	0.380	0.351	0.389	0.386	0.355	0.378	5.5
Chlorobenzene	1.171	1.111	1.039	1.176	1.159	1.078	1.122	5
Ethyl Benzene	1.938	1.941	1.826	2.130	2.115	1.979	1.988	5.8
m/p-Xylenes	0.735	0.738	0.696	0.802	0.783	0.733	0.748	5.1
o-Xylene	0.689	0.675	0.648	0.758	0.739	0.694	0.701	5.9
Styrene	1.081	1.128	1.091	1.277	1.257	1.159	1.166	7.2
Bromoform	0.221	0.221	0.211	0.246	0.236	0.214	0.225	5.9
Isopropylbenzene	3.744	3.605	3.437	3.976	4.009	3.783	3.759	5.8
1,1,2,2-Tetrachloroethane	0.700	0.649	0.621	0.697	0.689	0.624	0.663	5.5
1,3-Dichlorobenzene	1.812	1.729	1.598	1.792	1.777	1.668	1.730	4.8
1,4-Dichlorobenzene	1.825	1.710	1.593	1.751	1.744	1.629	1.709	5
1,2-Dichlorobenzene	1.599	1.499	1.408	1.575	1.564	1.446	1.515	5.1
1,2-Dichloroethane-d4	0.681	0.510	0.548	0.551	0.566	0.547	0.567	10.3
Dibromofluoromethane	0.370	0.299	0.317	0.325	0.334	0.322	0.328	7.2
Toluene-d8	1.420	1.158	1.230	1.251	1.290	1.253	1.267	6.8
4-Bromofluorobenzene	0.490	0.387	0.404	0.423	0.435	0.420	0.426	8.2

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021309.D 10 =VY021310.D 20 =VY021311.D 50 =VY021312.D 100 =VY021316.D 150 =VY021314.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.510	0.484	0.431	0.493	0.447	0.480	0.474	6.16
3)	P	Chloromethane	0.709	0.628	0.566	0.602	0.570	0.597	0.612	8.61
4)	C	Vinyl Chloride	0.648	0.591	0.554	0.627	0.580	0.606	0.601	5.60#
5)	T	Bromomethane	0.505	0.414	0.361	0.387	0.359	0.371	0.399	13.92
6)	T	Chloroethane	0.414	0.365	0.347	0.390	0.355	0.365	0.373	6.66
7)	T	Trichlorofluor...	0.976	0.915	0.838	0.936	0.870	0.909	0.908	5.33
8)	T	Diethyl Ether	0.276	0.264	0.260	0.286	0.263	0.286	0.272	4.34
9)	T	1,1,2-Trichlor...	0.546	0.529	0.491	0.537	0.508	0.541	0.525	4.09
10)	T	Methyl Iodide	0.492	0.473	0.490	0.637	0.600	0.625	0.553	13.64
11)	T	Tert butyl alc...	0.058	0.047	0.042	0.040	0.034	0.039	0.044	18.88
12)	CM	1,1-Dichloroet...	0.545	0.489	0.462	0.515	0.490	0.518	0.503	5.75#
13)	T	Acrolein	0.065	0.058	0.059	0.007	0.006	0.006	0.033	89.20
14)	T	Allyl chloride	0.929	0.847	0.821	0.926	0.889	0.938	0.892	5.42
15)	T	Acrylonitrile	0.122	0.115	0.116	0.127	0.115	0.127	0.120	5.01
16)	T	Acetone	0.122	0.102	0.094	0.128	0.103	0.104	0.109	11.92
17)	T	Carbon Disulfide	1.800	1.652	1.540	1.734	1.620	1.678	1.671	5.41
18)	T	Methyl Acetate	0.285	0.249	0.259	0.276	0.250	0.276	0.266	5.65
19)	T	Methyl tert-bu...	1.312	1.268	1.267	1.410	1.307	1.410	1.329	4.93
20)	T	Methylene Chlo...	0.733	0.598	0.539	0.585	0.529	0.547	0.588	12.84
21)	T	trans-1,2-Dich...	0.589	0.536	0.507	0.573	0.547	0.570	0.554	5.36
22)	T	Diisopropyl ether	1.839	1.794	1.752	1.961	1.828	1.900	1.846	4.06
23)	T	Vinyl Acetate	1.062	1.041	1.045	1.188	1.103	1.179	1.103	6.00
24)	P	1,1-Dichloroet...	1.101	1.032	0.961	1.083	1.007	1.058	1.040	4.94
25)	T	2-Butanone	0.162	0.155	0.156	0.183	0.159	0.171	0.164	6.53
26)	T	2,2-Dichloropr...	1.036	0.939	0.845	0.972	0.920	0.952	0.944	6.64
27)	T	cis-1,2-Dichlo...	0.649	0.610	0.588	0.665	0.626	0.656	0.632	4.68
28)	T	Bromochloromet...	0.525	0.442	0.438	0.454	0.439	0.464	0.460	7.23
29)	T	Tetrahydrofuran	0.105	0.100	0.106	0.115	0.104	0.114	0.107	5.36
30)	C	Chloroform	1.128	1.046	0.977	1.095	1.017	1.062	1.054	5.11#
31)	T	Cyclohexane	1.182	1.025	0.910	0.989	0.923	0.971	1.000	9.90
32)	T	1,1,1-Trichlor...	1.020	0.956	0.889	0.986	0.927	0.979	0.960	4.81
33)	S	1,2-Dichloroet...	0.681	0.510	0.548	0.551	0.547	0.566	0.567	10.35
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.370	0.299	0.317	0.325	0.322	0.334	0.328	7.20
36)	T	1,1-Dichloropr...	0.508	0.487	0.460	0.516	0.478	0.505	0.492	4.28
37)	T	Ethyl Acetate	0.251	0.246	0.232	0.257	0.228	0.255	0.245	5.02
38)	T	Carbon Tetrach...	0.567	0.562	0.509	0.581	0.535	0.567	0.554	4.80
39)	T	Methylcyclohexane	0.597	0.613	0.584	0.662	0.618	0.663	0.623	5.33
40)	TM	Benzene	1.515	1.445	1.359	1.533	1.409	1.472	1.456	4.48
41)	T	Methacrylonitrile	0.162	0.118	0.120	0.147	0.129	0.146	0.137	12.55
42)	TM	1,2-Dichloroet...	0.422	0.417	0.393	0.434	0.394	0.419	0.413	3.91
43)	T	Isopropyl Acetate	0.443	0.447	0.464	0.513	0.466	0.511	0.474	6.49
44)	TM	Trichloroethene	0.375	0.360	0.341	0.382	0.354	0.375	0.364	4.29
45)	C	1,2-Dichloropr...	0.360	0.350	0.329	0.371	0.336	0.357	0.350	4.49#
46)	T	Dibromomethane	0.192	0.188	0.183	0.203	0.184	0.199	0.191	4.22
47)	T	Bromodichlorom...	0.519	0.503	0.477	0.541	0.495	0.528	0.511	4.54
48)	T	Methyl methacr...	0.197	0.201	0.208	0.247	0.225	0.251	0.222	10.59
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.15
50)	S	Toluene-d8	1.420	1.158	1.230	1.251	1.253	1.290	1.267	6.83
51)	T	4-Methyl-2-Pen...	0.220	0.227	0.239	0.267	0.238	0.264	0.243	7.94
52)	CM	Toluene	0.887	0.888	0.852	0.965	0.897	0.936	0.904	4.42#
53)	T	t-1,3-Dichloro...	0.438	0.436	0.434	0.515	0.474	0.509	0.468	8.02
54)	T	cis-1,3-Dichlo...	0.541	0.526	0.528	0.591	0.546	0.581	0.552	4.97
55)	T	1,1,2-Trichlor...	0.250	0.251	0.238	0.267	0.237	0.254	0.249	4.42
56)	T	Ethyl methacry...	0.294	0.308	0.315	0.392	0.360	0.398	0.345	13.04

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M

57)	T	1,3-Dichloropr...	0.427	0.428	0.422	0.469	0.426	0.454	0.438	4.39
58)	T	2-Chloroethyl ...	0.140	0.146	0.159	0.191	0.177	0.179	0.165	12.21
59)	T	2-Hexanone	0.133	0.146	0.155	0.183	0.162	0.178	0.159	11.90
60)	T	Dibromochlorom...	0.340	0.325	0.322	0.368	0.332	0.352	0.340	5.17
61)	T	1,2-Dibromoethane	0.234	0.231	0.226	0.254	0.227	0.245	0.236	4.72
62)	S	4-Bromofluorob...	0.490	0.387	0.404	0.423	0.420	0.435	0.426	8.25
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.405	0.380	0.351	0.389	0.355	0.386	0.378	5.52
65)	PM	Chlorobenzene	1.171	1.111	1.039	1.176	1.078	1.159	1.122	4.97
66)	T	1,1,1,2-Tetrac...	0.396	0.401	0.362	0.414	0.381	0.404	0.393	4.71
67)	C	Ethyl Benzene	1.938	1.941	1.826	2.130	1.979	2.115	1.988	5.85#
68)	T	m/p-Xylenes	0.735	0.738	0.696	0.802	0.733	0.783	0.748	5.13
69)	T	o-Xylene	0.689	0.675	0.648	0.758	0.694	0.739	0.701	5.86
70)	T	Styrene	1.081	1.128	1.091	1.276	1.159	1.257	1.166	7.15
71)	P	Bromoform	0.221	0.221	0.211	0.246	0.214	0.236	0.225	5.89
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.744	3.605	3.437	3.976	3.783	4.009	3.759	5.80
74)	T	N-amyl acetate	0.818	0.854	0.904	1.060	0.990	1.106	0.955	12.07
75)	P	1,1,2,2-Tetrac...	0.700	0.649	0.621	0.697	0.624	0.689	0.663	5.52
76)	T	1,2,3-Trichlor...	0.517	0.547	0.448	0.523	0.474	0.493	0.500	7.19
77)	T	Bromobenzene	0.919	0.843	0.806	0.908	0.854	0.915	0.874	5.34
78)	T	n-propylbenzene	4.532	4.403	4.216	4.830	4.546	4.842	4.561	5.34
79)	T	2-Chlorotoluene	2.741	2.558	2.412	2.715	2.551	2.730	2.618	5.05
80)	T	1,3,5-Trimethy...	3.092	2.977	2.873	3.250	3.042	3.264	3.083	4.99
81)	T	trans-1,4-Dich...	0.210	0.209	0.208	0.244	0.225	0.255	0.225	8.86
82)	T	4-Chlorotoluene	2.871	2.665	2.496	2.815	2.633	2.802	2.714	5.19
83)	T	tert-Butylbenzene	2.703	2.753	2.601	2.892	2.760	3.000	2.785	5.08
84)	T	1,2,4-Trimethy...	3.014	2.958	2.860	3.248	3.048	3.269	3.066	5.28
85)	T	sec-Butylbenzene	4.126	4.003	3.760	4.257	3.987	4.274	4.068	4.75
86)	T	p-Isopropyltol...	3.340	3.267	3.162	3.593	3.377	3.641	3.397	5.48
87)	T	1,3-Dichlorobe...	1.812	1.729	1.598	1.792	1.668	1.777	1.730	4.77
88)	T	1,4-Dichlorobe...	1.825	1.710	1.593	1.751	1.629	1.744	1.709	4.99
89)	T	n-Butylbenzene	3.078	3.050	2.931	3.421	3.218	3.481	3.196	6.82
90)	T	Hexachloroethane	0.759	0.690	0.638	0.721	0.693	0.755	0.710	6.43
91)	T	1,2-Dichlorobe...	1.599	1.499	1.408	1.575	1.446	1.564	1.515	5.09
92)	T	1,2-Dibromo-3-...	0.103	0.097	0.099	0.113	0.102	0.115	0.105	7.23
93)	T	1,2,4-Trichlor...	0.906	0.848	0.822	0.968	0.950	1.053	0.925	9.16
94)	T	Hexachlorobuta...	0.633	0.573	0.517	0.591	0.563	0.616	0.582	7.04
95)	T	Naphthalene	1.249	1.282	1.361	1.721	1.673	1.905	1.532	17.67
96)	T	1,2,3-Trichlor...	0.742	0.719	0.698	0.824	0.809	0.896	0.781	9.62

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	177514	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	289913	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	247837	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118690	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	12088	6.003	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 12.000%#				
35) Dibromofluoromethane	7.634	113	10715	5.637	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 11.280%#				
50) Toluene-d8	10.103	98	41158	5.603	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 11.200%#				
62) 4-Bromofluorobenzene	12.408	95	14192	5.741	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 11.480%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	9045	5.374	ug/l		99
3) Chloromethane	2.068	50	12591	5.793	ug/l		97
4) Vinyl Chloride	2.202	62	11497	5.389	ug/l		93
5) Bromomethane	2.598	94	8962	6.321	ug/l		99
6) Chloroethane	2.733	64	7351	5.556	ug/l		99
7) Trichlorofluoromethane	3.056	101	17319	5.375	ug/l	#	83
8) Diethyl Ether	3.458	74	4897	5.064	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.806	101	9686	5.193	ug/l		96
10) Methyl Iodide	4.001	142	8728	4.447	ug/l		99
11) Tert butyl alcohol	4.848	59	5165	33.345	ug/l	#	84
12) 1,1-Dichloroethene	3.787	96	9671	5.415	ug/l		90
13) Acrolein	3.647	56	5798	48.848	ug/l		99
14) Allyl chloride	4.379	41	16498	5.210	ug/l		99
15) Acrylonitrile	5.055	53	10830	25.330	ug/l		98
16) Acetone	3.866	43	10823	28.018	ug/l		99
17) Carbon Disulfide	4.104	76	31953	5.387	ug/l		99
18) Methyl Acetate	4.391	43	5062	5.362	ug/l	#	54
19) Methyl tert-butyl Ether	5.110	73	23290	4.935	ug/l		100
20) Methylene Chloride	4.610	84	13003	6.225	ug/l		93
21) trans-1,2-Dichloroethene	5.110	96	10455	5.317	ug/l		98
22) Diisopropyl ether	6.012	45	32640	4.981	ug/l	#	86
23) Vinyl Acetate	5.958	43	94244	24.067	ug/l		99
24) 1,1-Dichloroethane	5.915	63	19538	5.290	ug/l		98
25) 2-Butanone	6.890	43	14341	24.599	ug/l	#	88
26) 2,2-Dichloropropane	6.884	77	18391	5.488	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	11522	5.132	ug/l		97
28) Bromochloromethane	7.244	49	9318	5.702	ug/l		99
29) Tetrahydrofuran	7.262	42	9319	24.455	ug/l		99
30) Chloroform	7.421	83	20025	5.351	ug/l		98
31) Cyclohexane	7.701	56	20990	5.912	ug/l	#	86
32) 1,1,1-Trichloroethane	7.616	97	18106	5.315	ug/l		98
36) 1,1-Dichloropropene	7.829	75	14719	5.155	ug/l		98
37) Ethyl Acetate	6.982	43	7270	5.119	ug/l		98
38) Carbon Tetrachloride	7.817	117	16445	5.124	ug/l		92
39) Methylcyclohexane	9.103	83	17316	4.795	ug/l		95
40) Benzene	8.079	78	43912	5.203	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	4691m	5.908	ug/l		
42) 1,2-Dichloroethane	8.158	62	12236	5.110	ug/l		99
43) Isopropyl Acetate	8.195	43	12832	4.668	ug/l		99
44) Trichloroethene	8.859	130	10868	5.143	ug/l		100
45) 1,2-Dichloropropane	9.140	63	10426	5.133	ug/l		95
46) Dibromomethane	9.231	93	5557	5.005	ug/l		100
47) Bromodichloromethane	9.420	83	15042	5.081	ug/l		100
48) Methyl methacrylate	9.219	41	5698	4.433	ug/l		95
49) 1,4-Dioxane	9.231	88	1164	94.292	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	31910	22.677	ug/l		100
52) Toluene	10.170	92	25715	4.905	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	12697	4.682	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	15685	4.899	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	7259	5.019	ug/l		96
56) Ethyl methacrylate	10.438	69	8528	4.267	ug/l		99
57) 1,3-Dichloropropane	10.713	76	12384	4.880	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	20290	21.153	ug/l		98
59) 2-Hexanone	10.762	43	19312	20.897	ug/l		97
60) Dibromochloromethane	10.914	129	9844	4.998	ug/l		97
61) 1,2-Dibromoethane	11.018	107	6792	4.960	ug/l		98
64) Tetrachloroethene	10.646	164	10042	5.361	ug/l		96
65) Chlorobenzene	11.444	112	29025	5.217	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	9824	5.043	ug/l		99
67) Ethyl Benzene	11.518	91	48026	4.874	ug/l		97
68) m/p-Xylenes	11.627	106	36446	9.833	ug/l		100
69) o-Xylene	11.956	106	17085	4.920	ug/l		97
70) Styrene	11.969	104	26787	4.637	ug/l		99
71) Bromoform	12.133	173	5478	4.916	ug/l	#	99
73) Isopropylbenzene	12.255	105	44434	4.980	ug/l		99
74) N-amyl acetate	12.072	43	9713	4.283	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8309	5.276	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	6139m	5.136	ug/l		
77) Bromobenzene	12.536	156	10911	5.257	ug/l		99
78) n-propylbenzene	12.597	91	53794	4.968	ug/l		100
79) 2-Chlorotoluene	12.682	91	32529	5.235	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	36696	5.014	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	2493	4.664	ug/l		97
82) 4-Chlorotoluene	12.780	91	34079	5.290	ug/l		99
83) tert-Butylbenzene	12.999	119	32078	4.852	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	35772	4.915	ug/l		100
85) sec-Butylbenzene	13.176	105	48977	5.072	ug/l		100
86) p-Isopropyltoluene	13.292	119	39637	4.916	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	21510	5.239	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	21663	5.341	ug/l		95
89) n-Butylbenzene	13.621	91	36537	4.815	ug/l		100
90) Hexachloroethane	13.883	117	9013	5.351	ug/l		97
91) 1,2-Dichlorobenzene	13.664	146	18984	5.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1227	4.925	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	10759	4.901	ug/l		98
94) Hexachlorobutadiene	15.029	225	7510	5.434	ug/l		95
95) Naphthalene	15.145	128	14829	4.078	ug/l		97
96) 1,2,3-Trichlorobenzene	15.334	180	8804	4.746	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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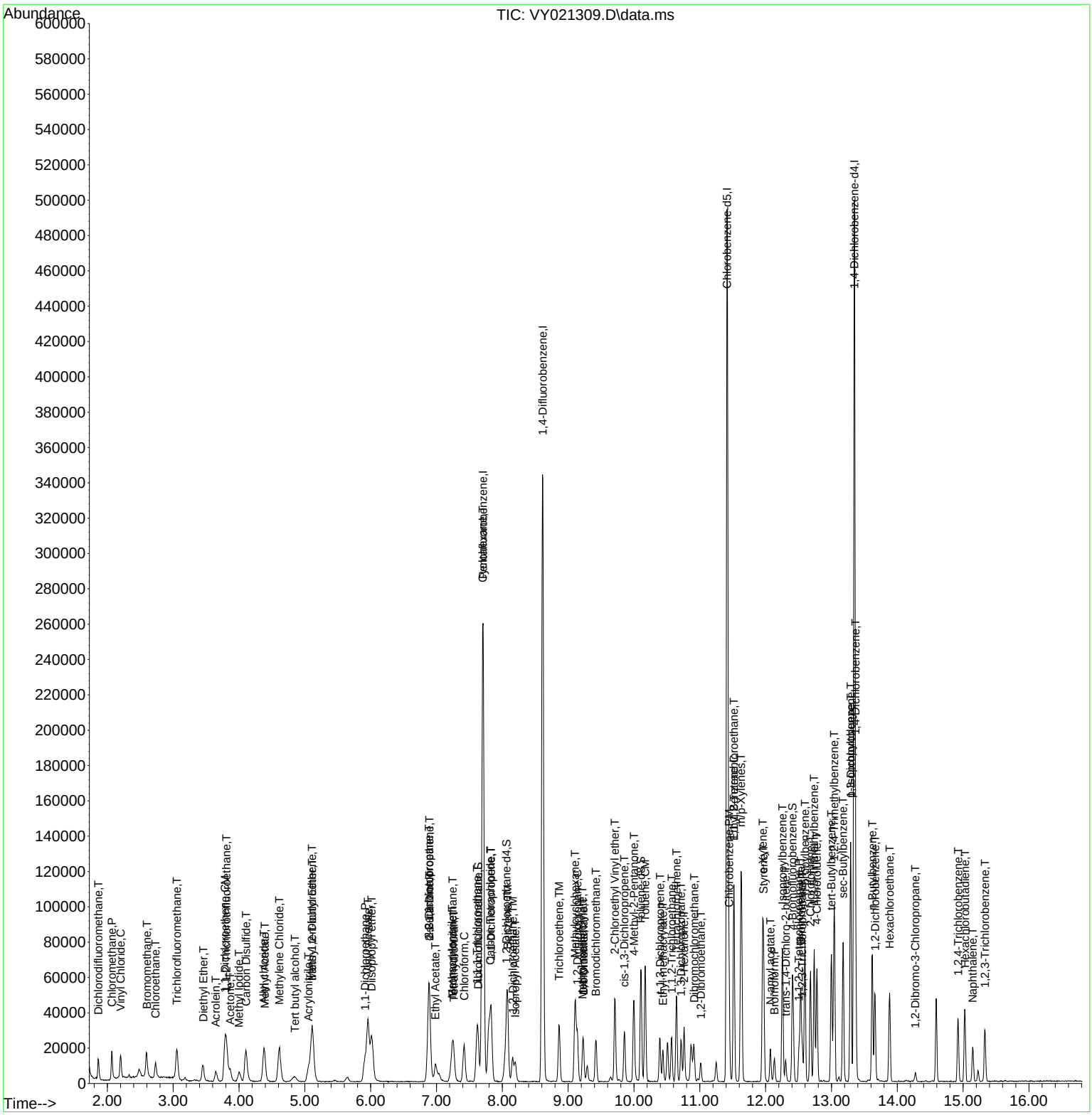
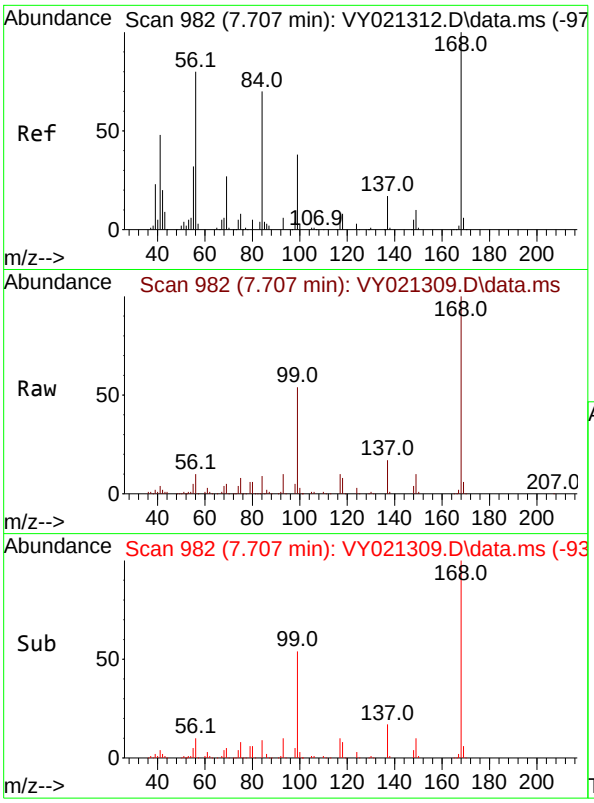




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

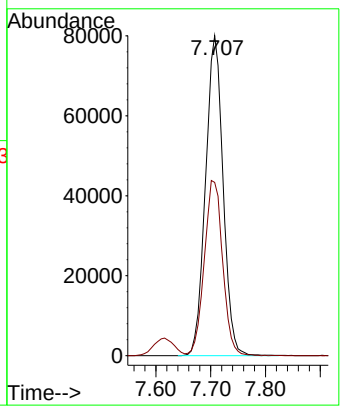
Tgt Ion:168 Resp: 17751

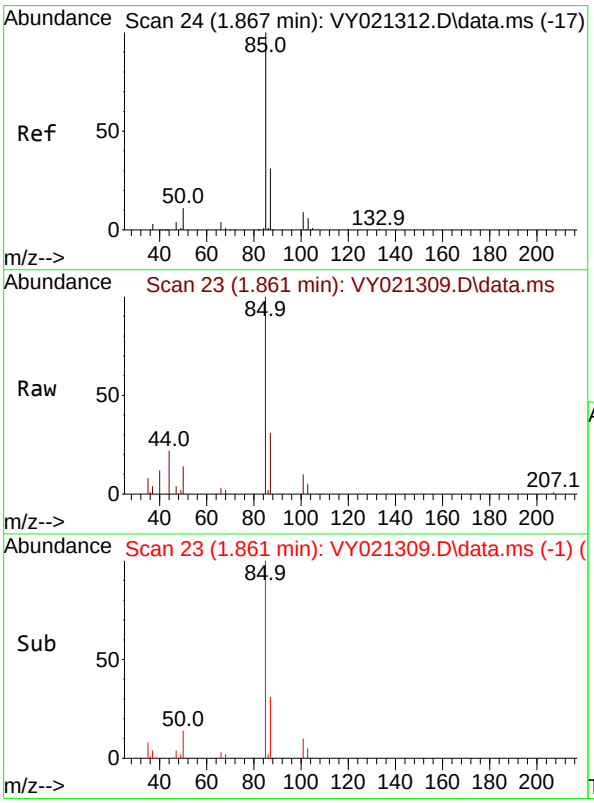
Ion	Ratio	Lower	Upper
168	100		
99	54.1	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

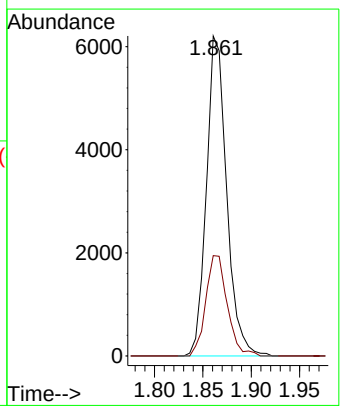


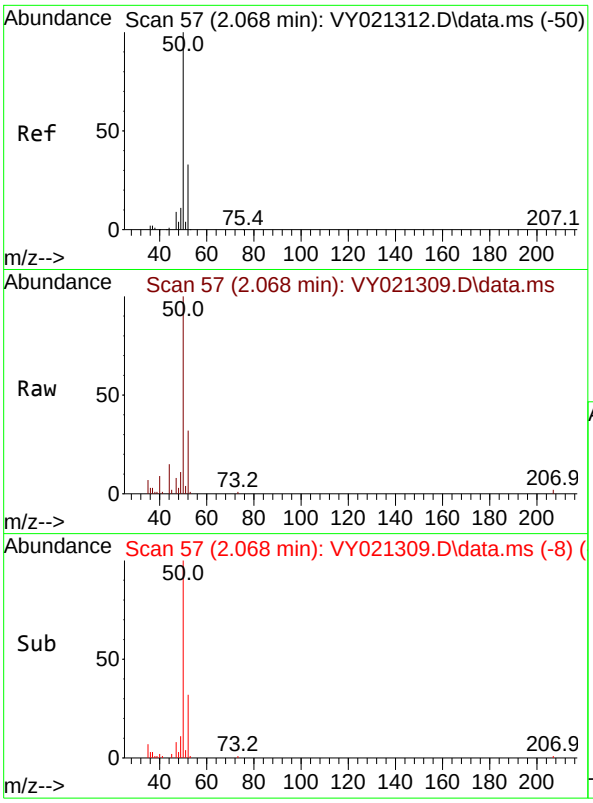


#2
Dichlorodifluoromethane
Concen: 5.374 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 85 Resp: 9045

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.4	46.4

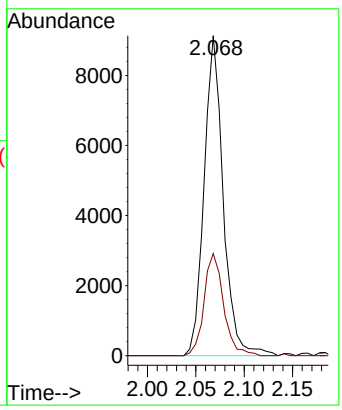




#3
Chloromethane
Concen: 5.793 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 50 Resp: 1259

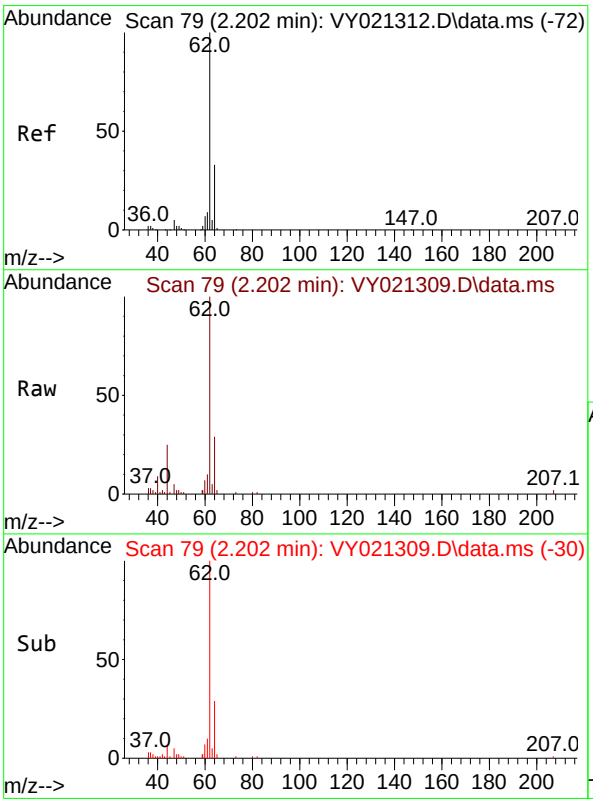
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

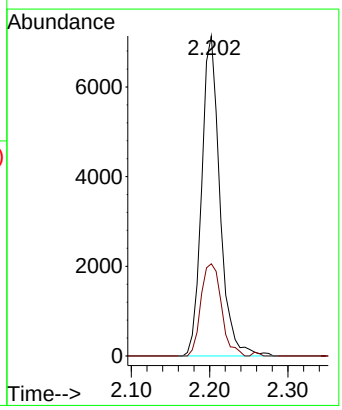
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

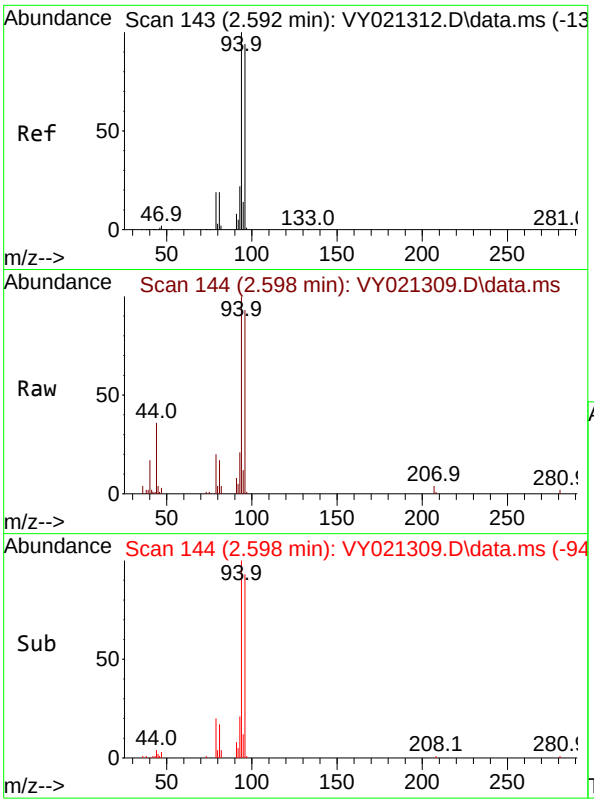


#4
Vinyl Chloride
Concen: 5.389 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 11497

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.3	39.5





#5
Bromomethane
Concen: 6.321 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

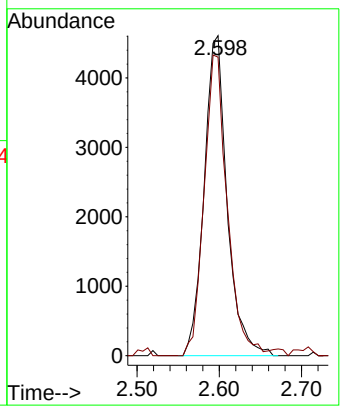
Tgt Ion: 94 Resp: 896

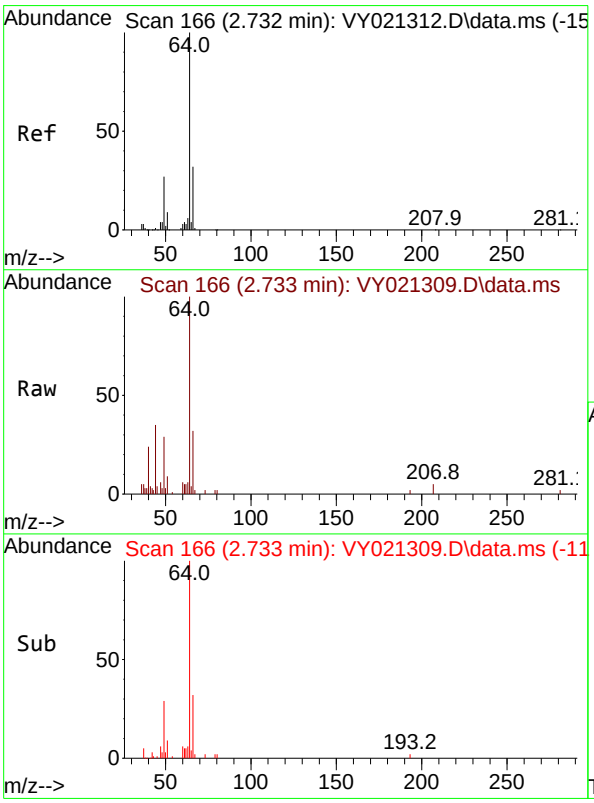
Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

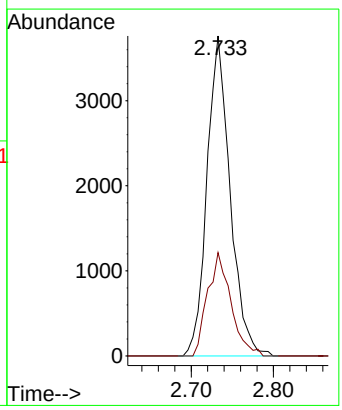


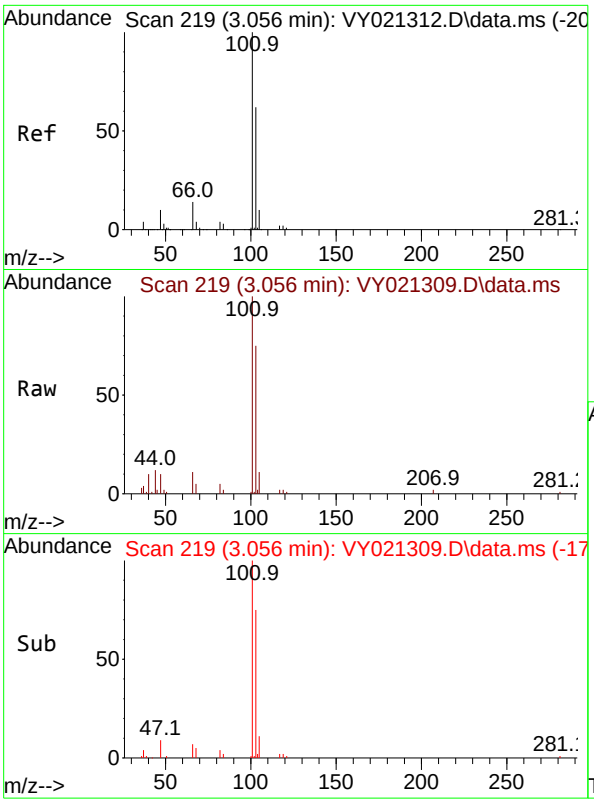


#6
Chloroethane
Concen: 5.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 64 Resp: 7351

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0

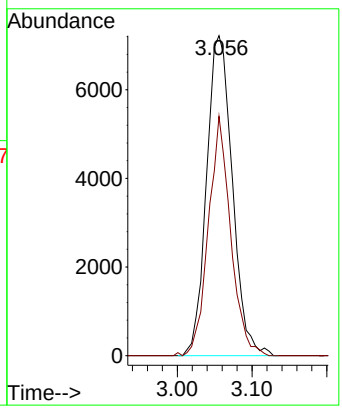




#7
Trichlorofluoromethane
Concen: 5.375 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:101 Resp: 1731

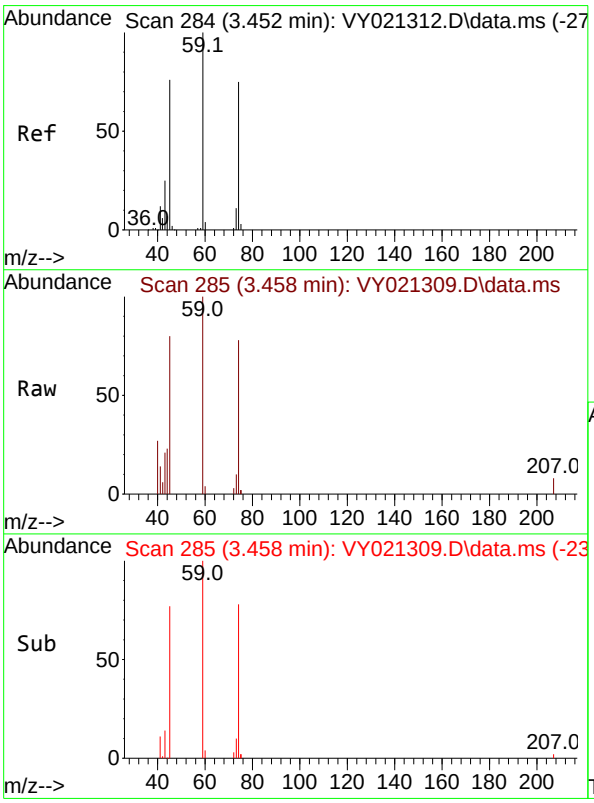
Ion	Ratio	Lower	Upper
101	100		
103	74.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

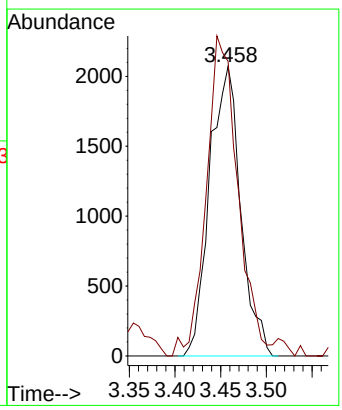
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

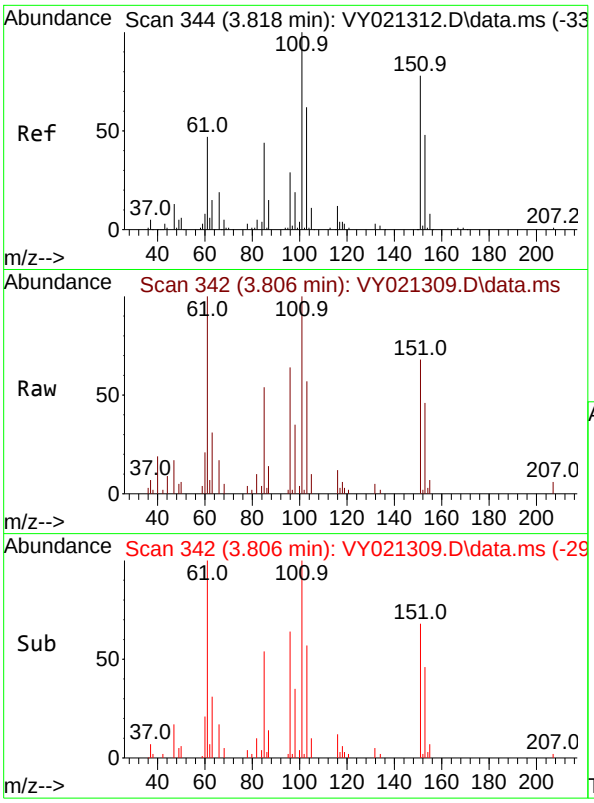


#8
Diethyl Ether
Concen: 5.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 74 Resp: 4897

Ion	Ratio	Lower	Upper
74	100		
45	111.5	50.3	150.9

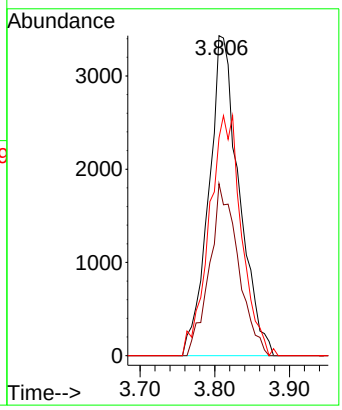




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.193 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:101 Resp: 968

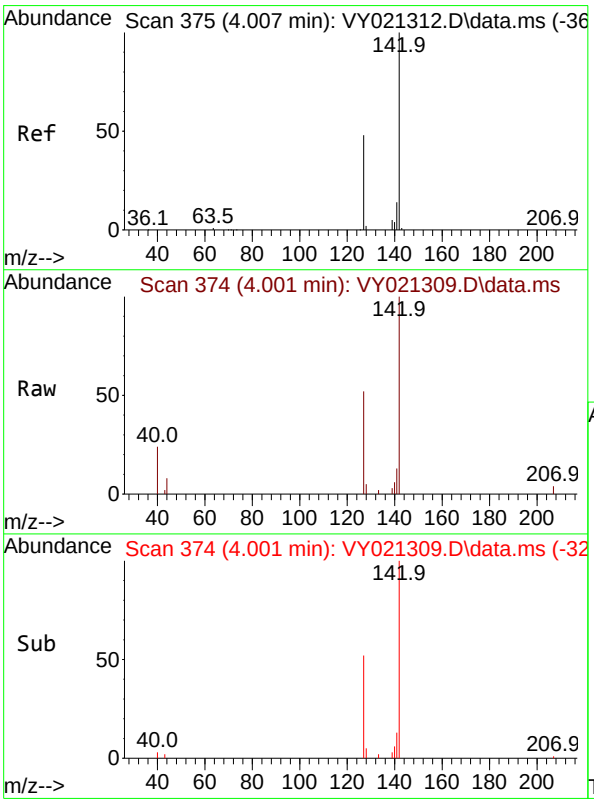
Ion	Ratio	Lower	Upper
101	100		
85	50.9	36.7	55.1
151	80.2	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

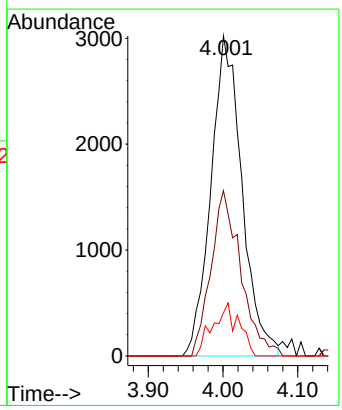
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

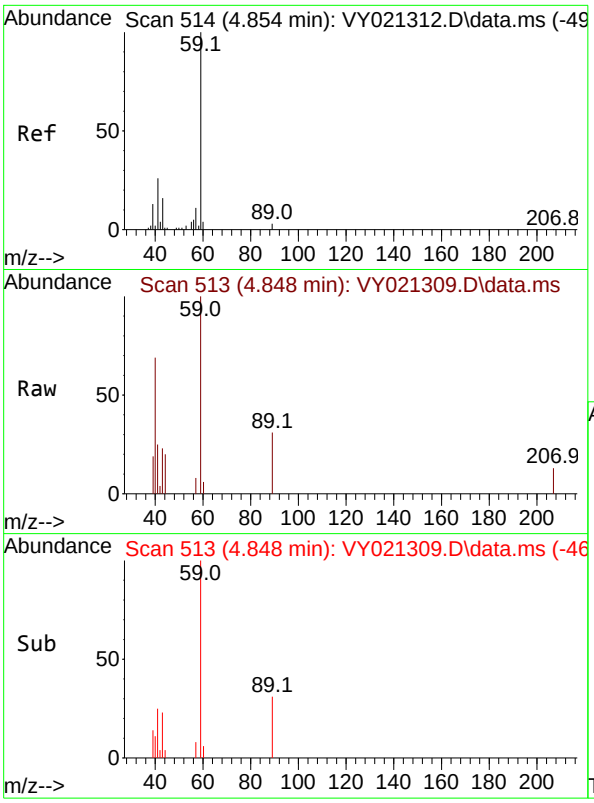


#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:142 Resp: 8728

Ion	Ratio	Lower	Upper
142	100		
127	49.6	39.2	58.8
141	13.8	11.4	17.2

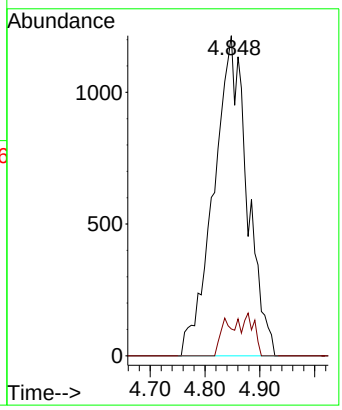




#11
Tert butyl alcohol
Concen: 33.345 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 59 Resp: 516

Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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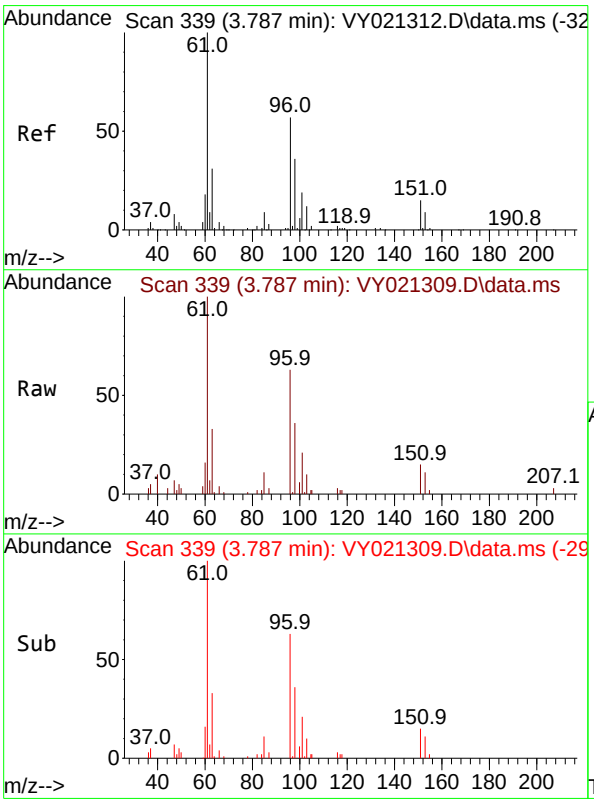
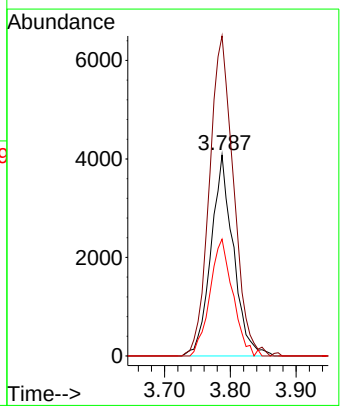
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

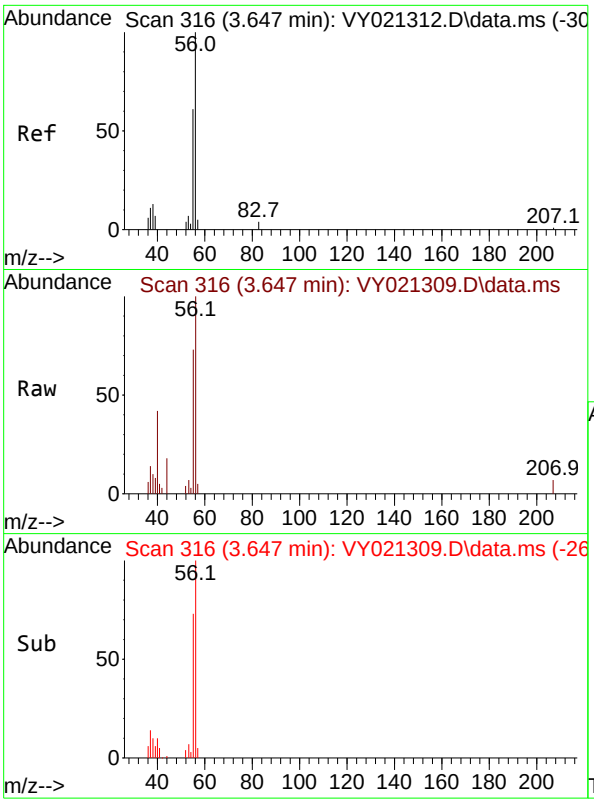


#12
1,1-Dichloroethene
Concen: 5.415 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 9671

Ion	Ratio	Lower	Upper
96	100		
61	159.2	139.7	209.5
98	58.1	49.7	74.5

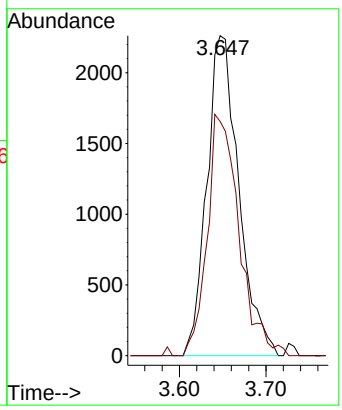




#13
Acrolein
Concen: 48.848 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 579

Ion	Ratio	Lower	Upper
56	100		
55	74.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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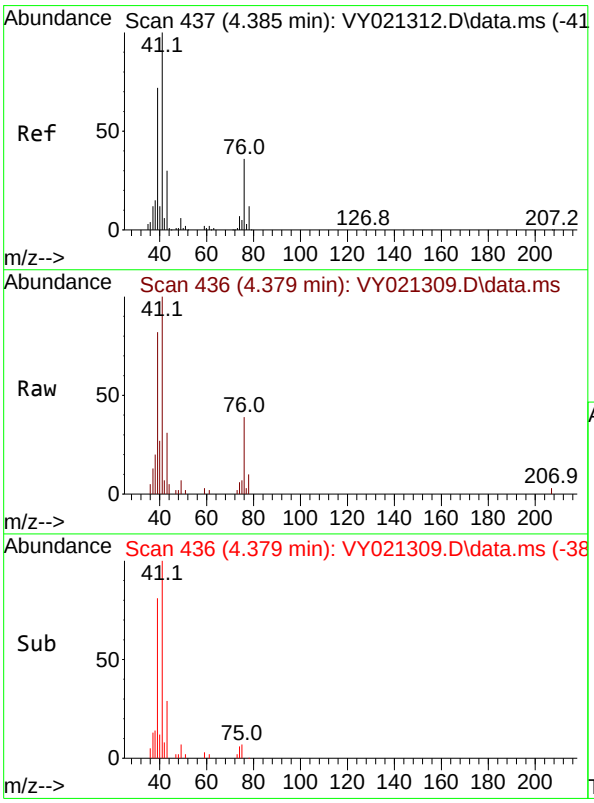
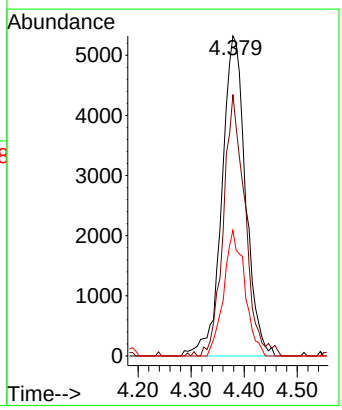
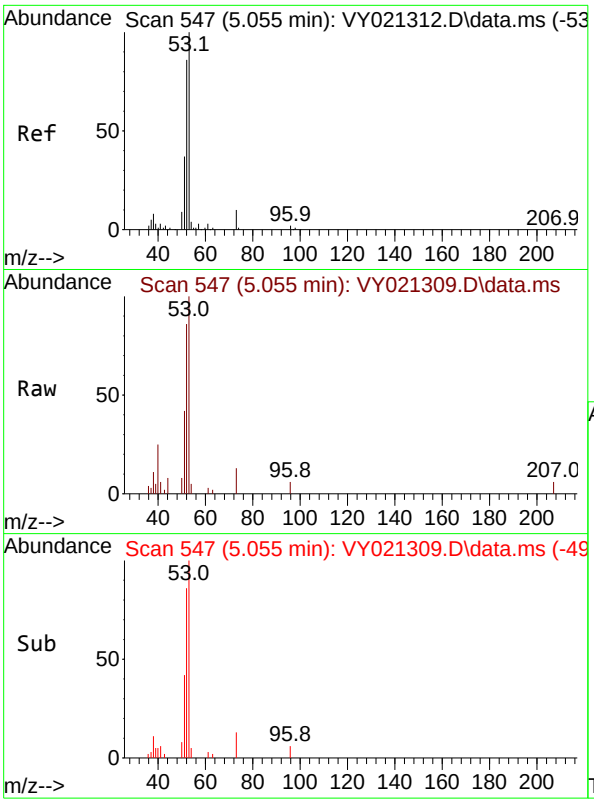


#14
Allyl chloride
Concen: 5.210 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 16498

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	34.9	29.0	43.6

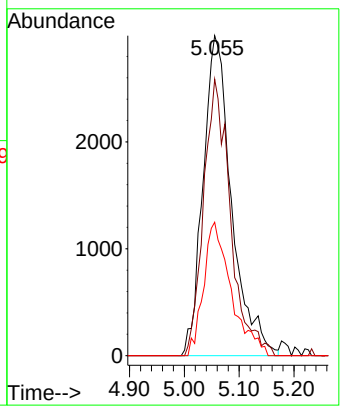




#15
Acrylonitrile
Concen: 25.330 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 53 Resp: 1083

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.5	98.3
51	40.3	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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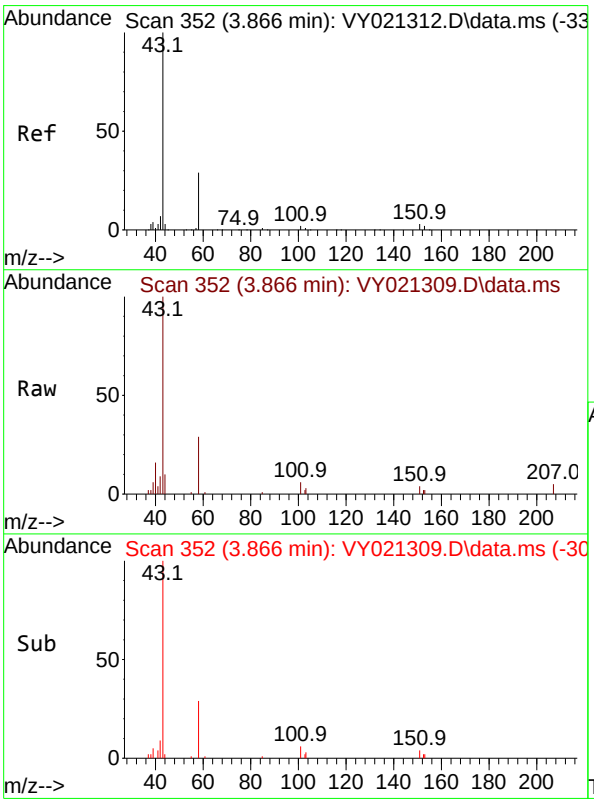
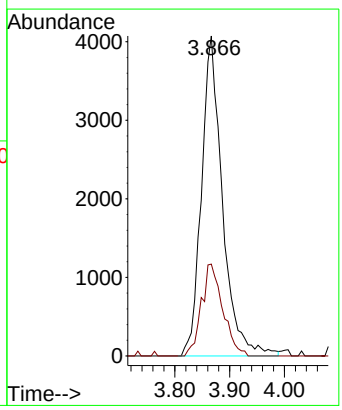
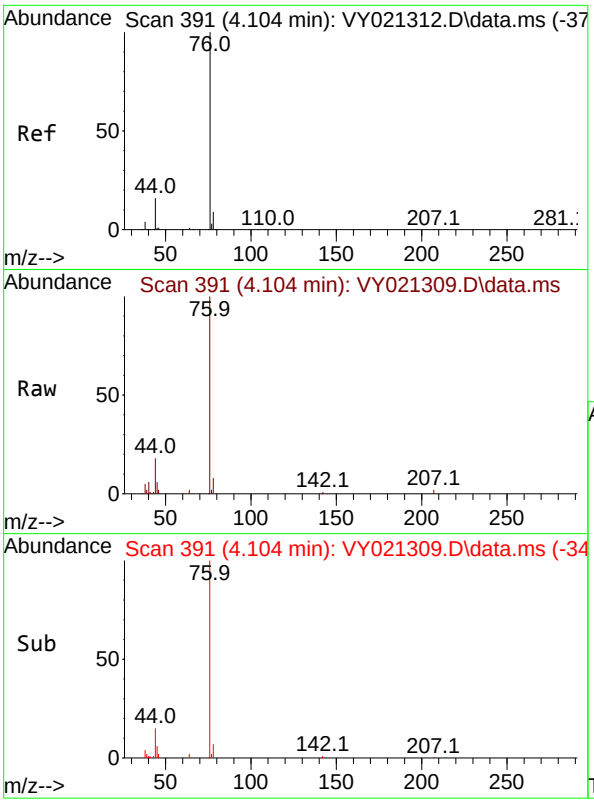


#16
Acetone
Concen: 28.018 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 10823

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3





#17
Carbon Disulfide
Concen: 5.387 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 76 Resp: 3195

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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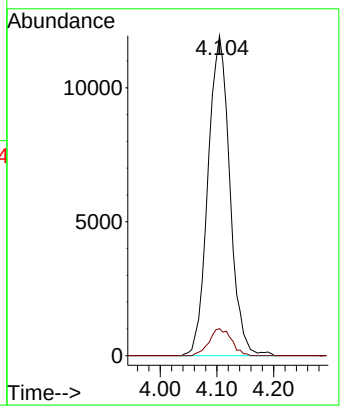
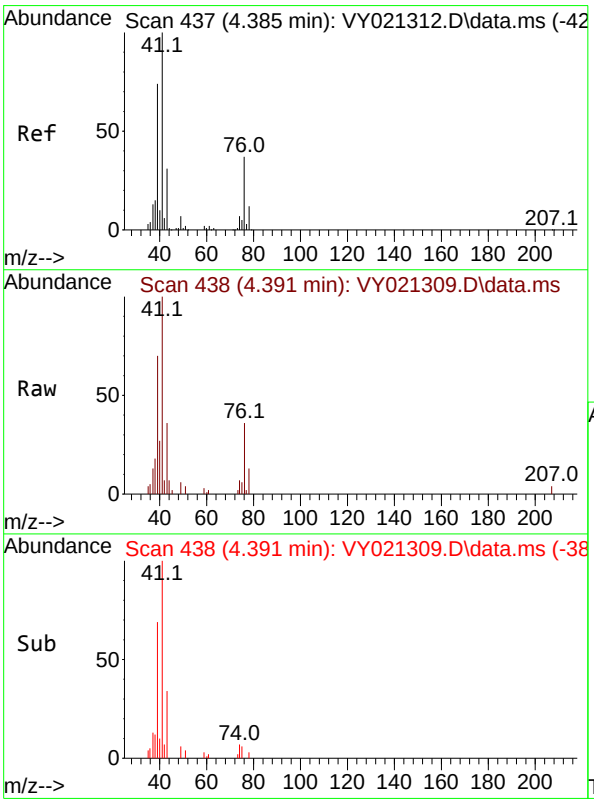
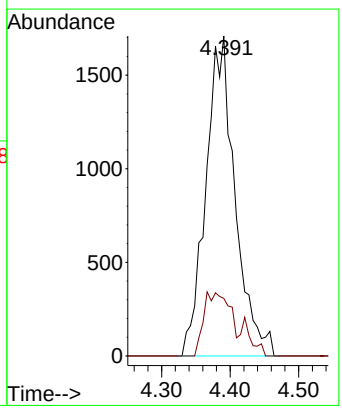


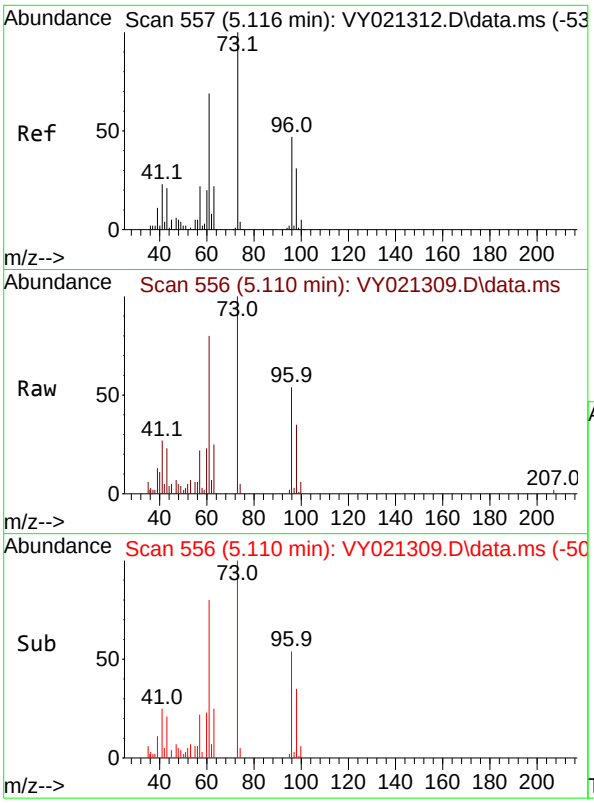


#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 5062

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.7	26.5#

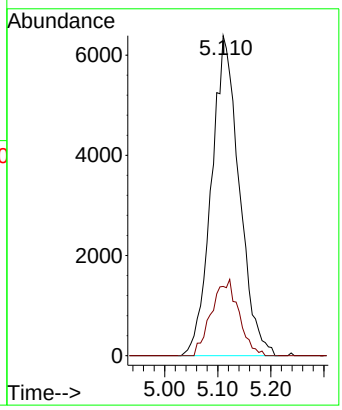




#19
Methyl tert-butyl Ether
Concen: 4.935 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 73 Resp: 2329

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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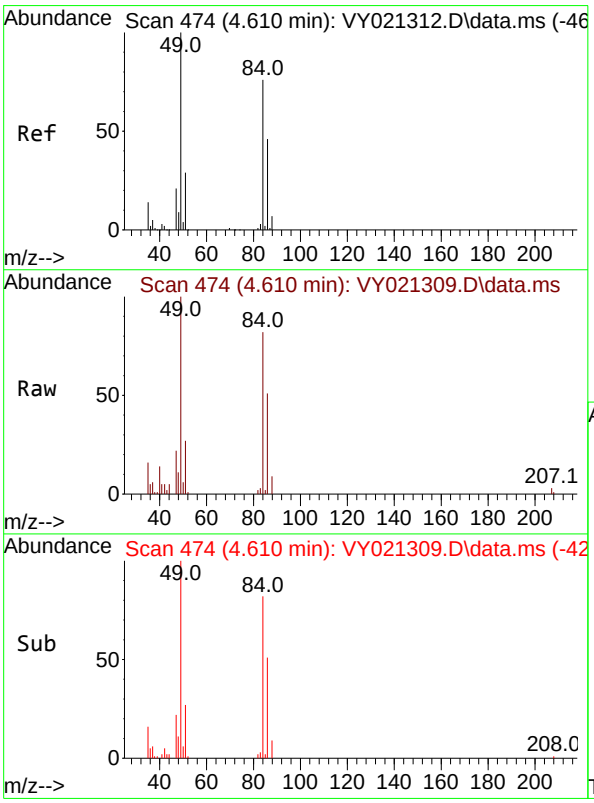
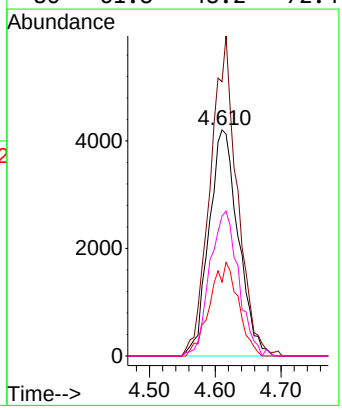
Supervised By :Mahesh Dadoda 02/26/2025

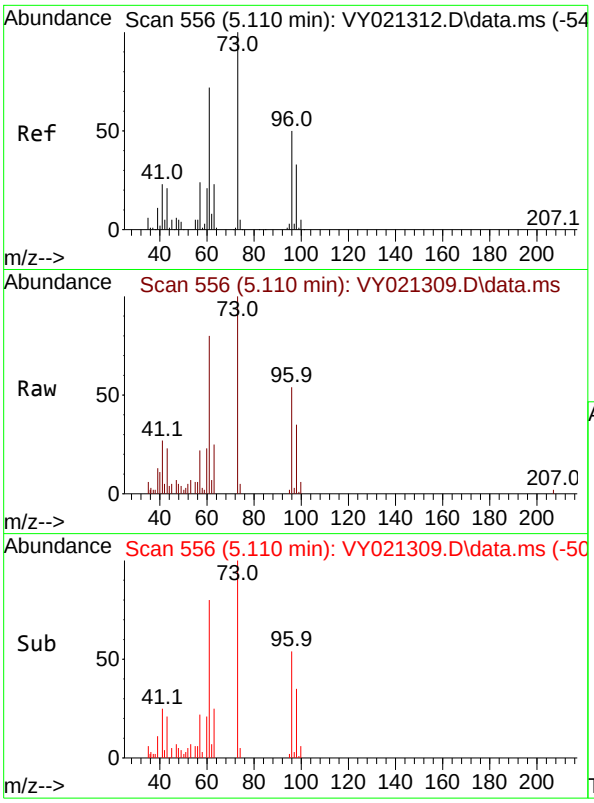


#20
Methylene Chloride
Concen: 6.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 84 Resp: 13003

Ion	Ratio	Lower	Upper
84	100		
49	121.3	105.1	157.7
51	32.7	31.0	46.4
86	61.8	48.2	72.4

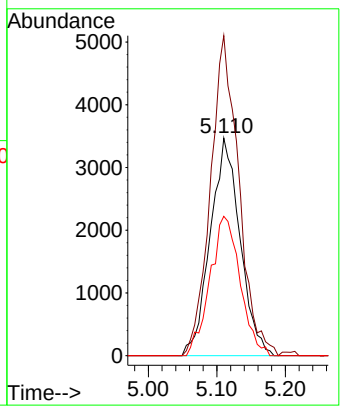




#21
trans-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1045

Ion	Ratio	Lower	Upper
96	100		
61	147.0	116.3	174.5
98	64.0	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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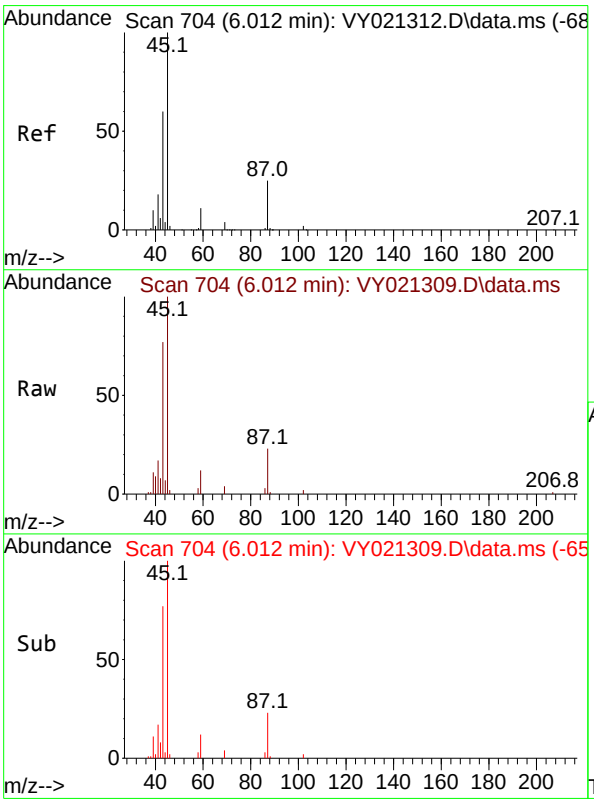
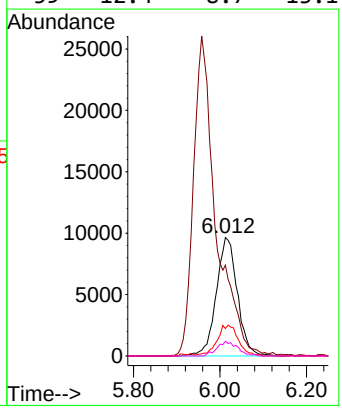
Supervised By :Mahesh Dadoda 02/26/2025

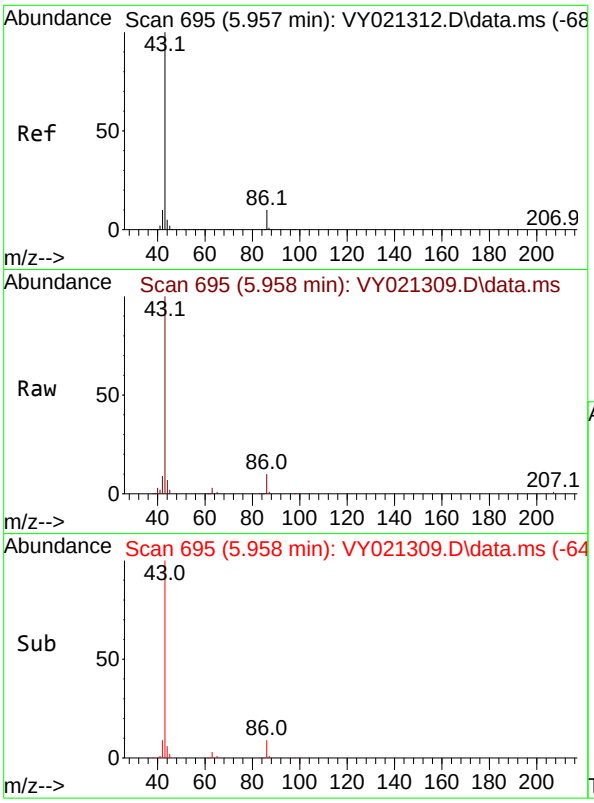


#22
Diisopropyl ether
Concen: 4.981 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 45 Resp: 32640

Ion	Ratio	Lower	Upper
45	100		
43	75.5	48.2	72.4#
87	23.1	20.3	30.5
59	12.4	8.7	13.1





#23
Vinyl Acetate
Concen: 24.067 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9424

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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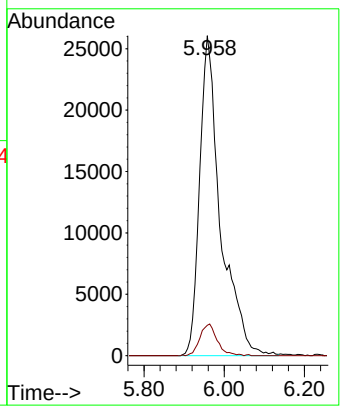
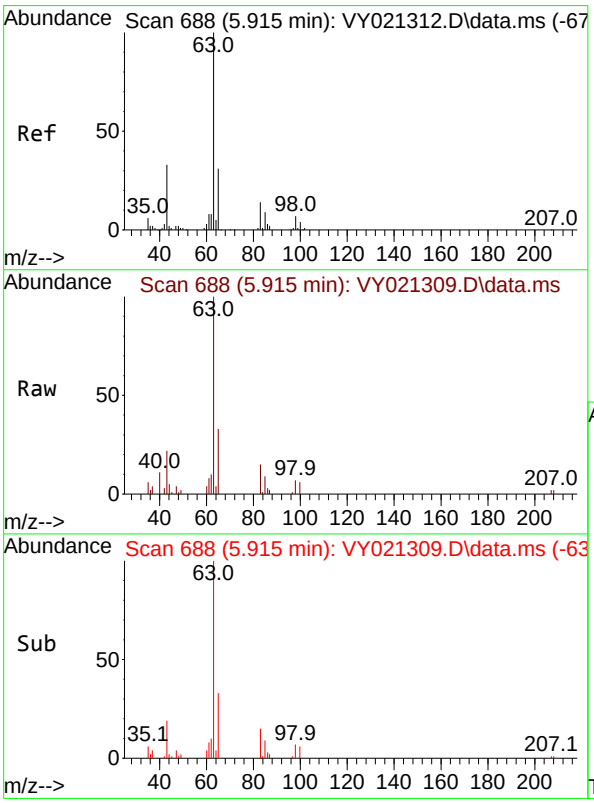
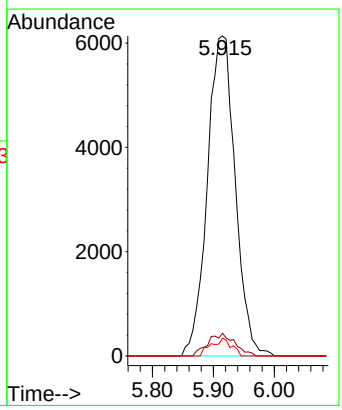


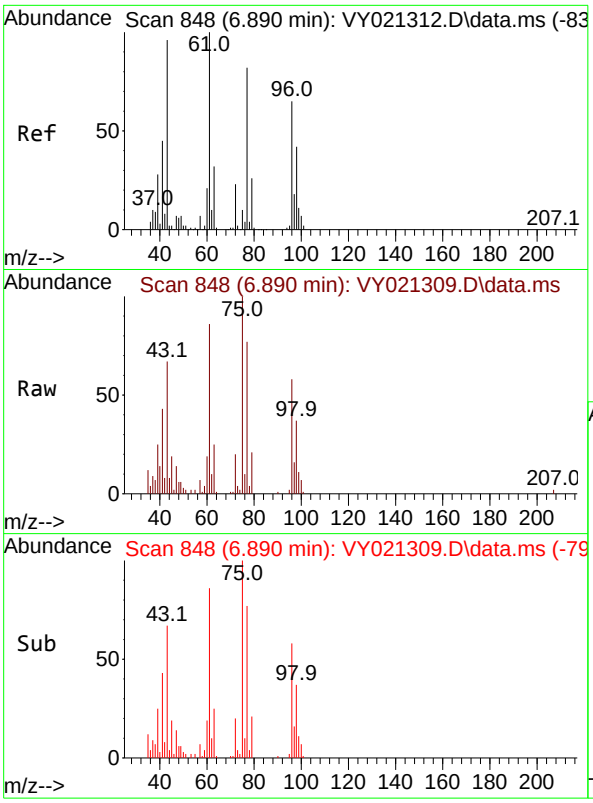


#24
1,1-Dichloroethane
Concen: 5.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 19538

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	5.6	2.1	6.5





#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1434

Ion	Ratio	Lower	Upper
43	100		
72	29.6	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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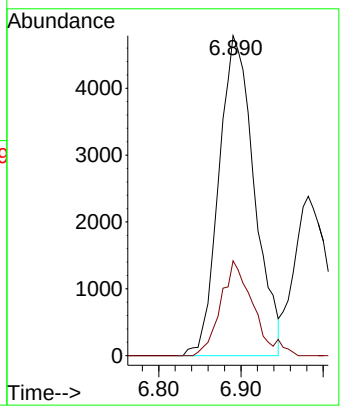
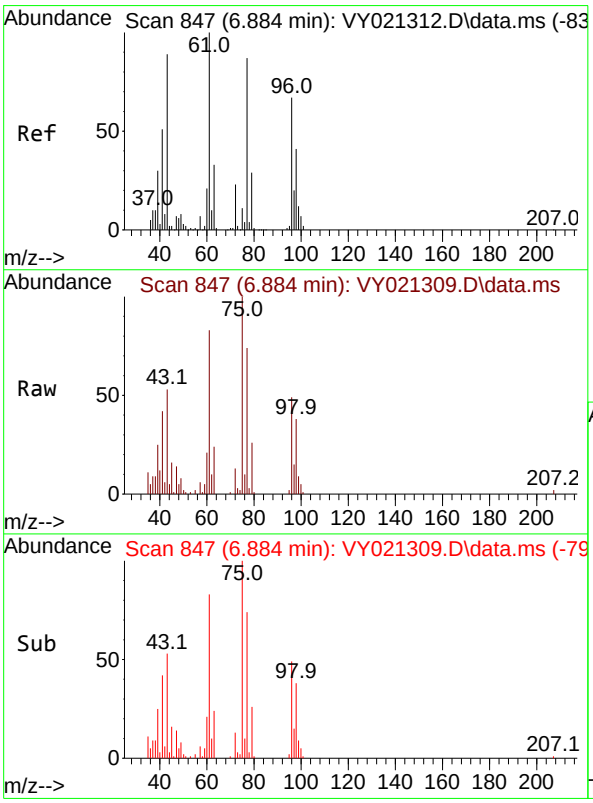
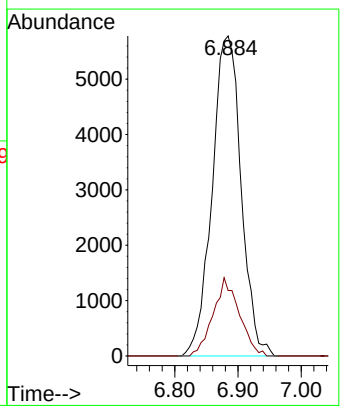


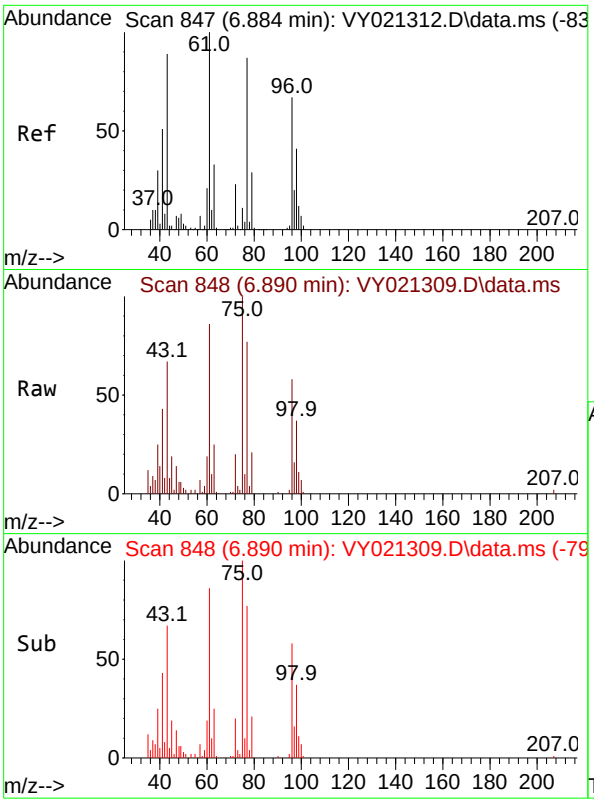


#26
2,2-Dichloropropane
Concen: 5.488 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 77 Resp: 18391

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 5.132 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1152

Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	308.0
98	64.2	0.0	129.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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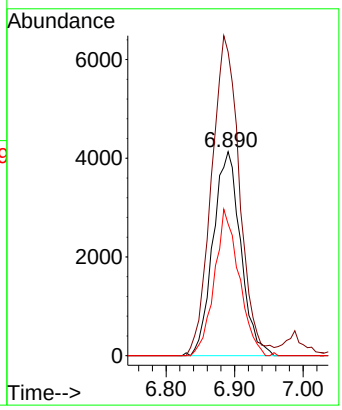
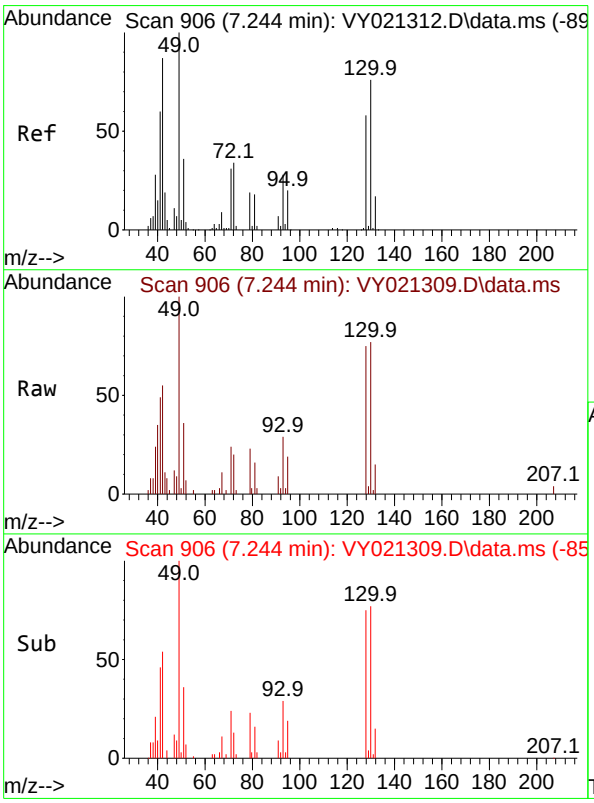
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

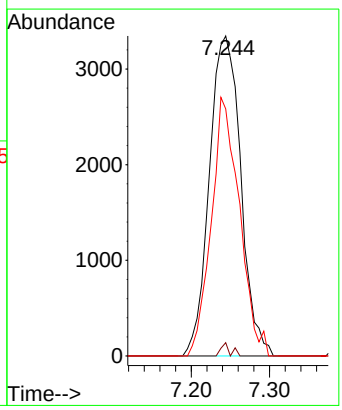


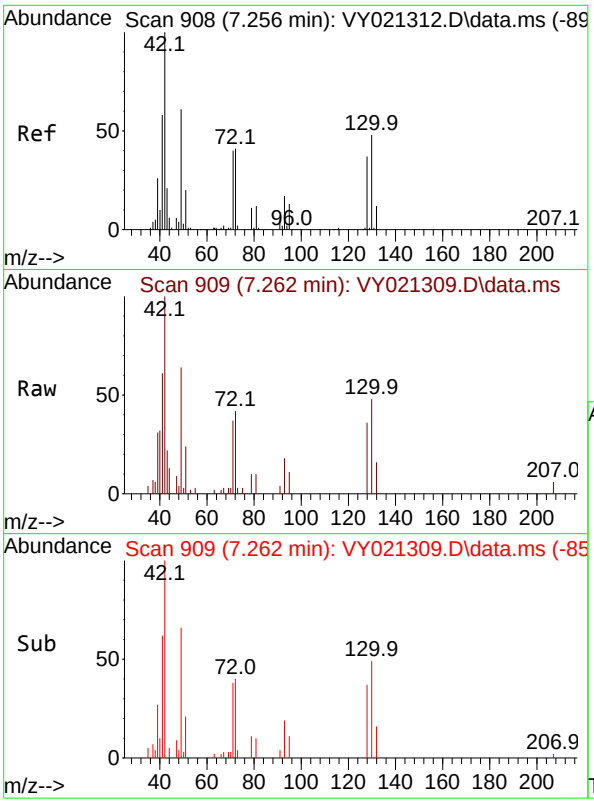


#28
Bromochloromethane
Concen: 5.702 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 49 Resp: 9318

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	72.6	57.8	86.6

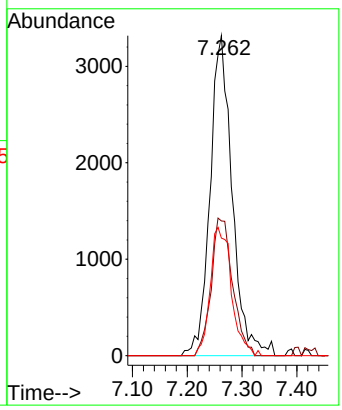




#29
Tetrahydrofuran
Concen: 24.455 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 42 Resp: 931

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	38.3	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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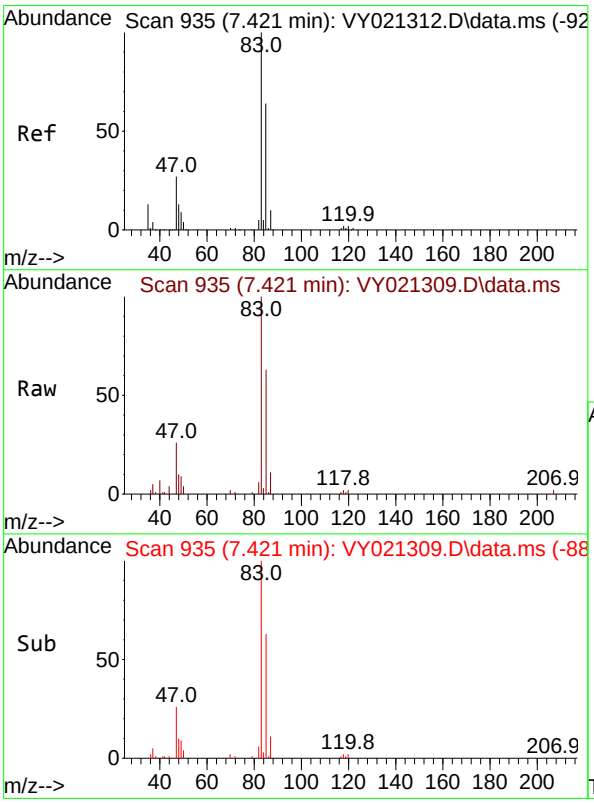
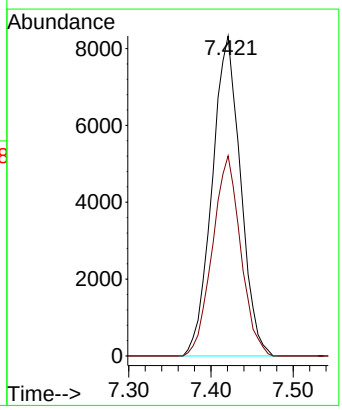
Supervised By :Mahesh Dadoda 02/26/2025

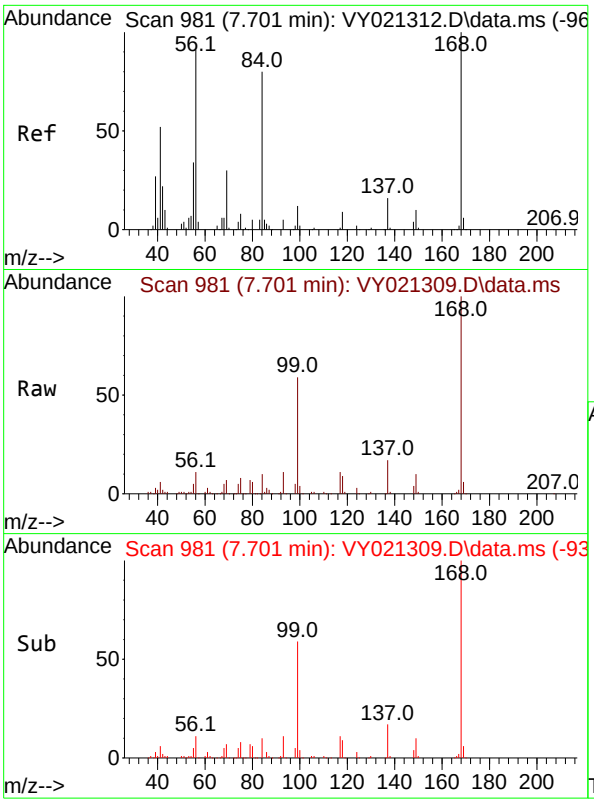


#30
Chloroform
Concen: 5.351 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 20025

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4





#31
Cyclohexane
Concen: 5.912 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 2099

Ion	Ratio	Lower	Upper
56	100		
69	57.9	26.2	39.4
84	90.3	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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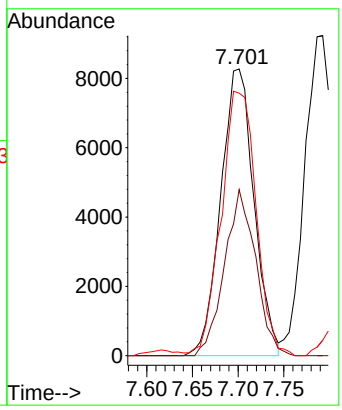
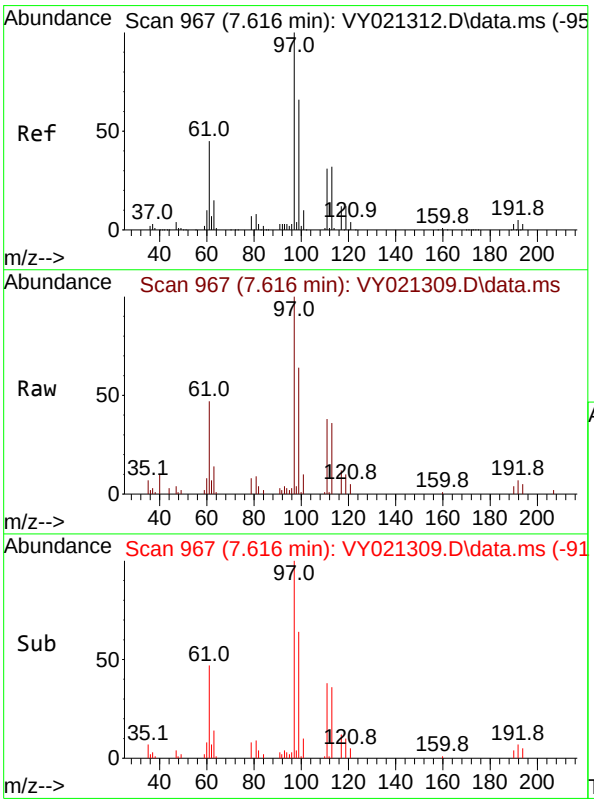
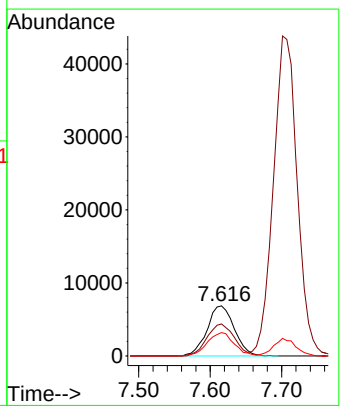


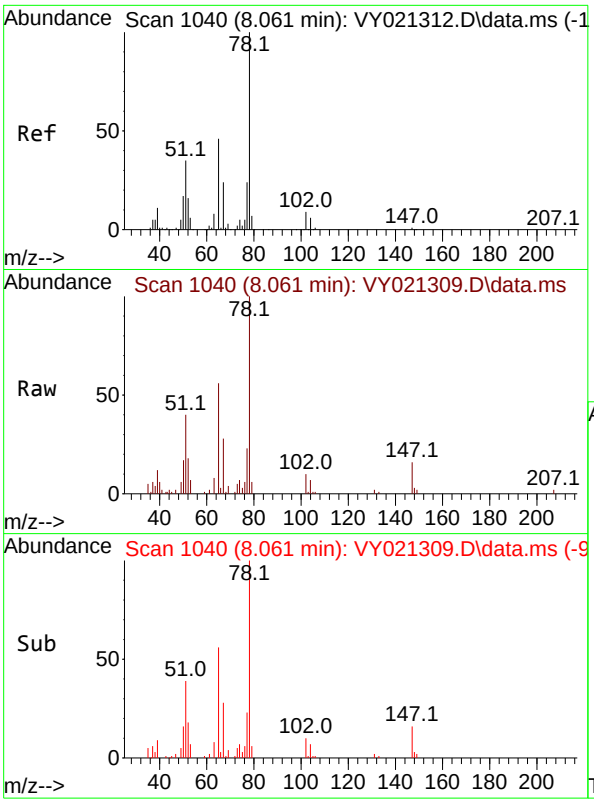


#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 18106

Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.4	78.6
61	45.7	36.2	54.2

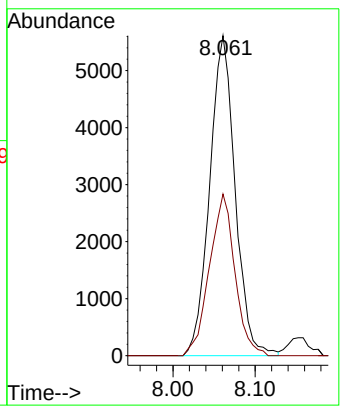




#33
1,2-Dichloroethane-d4
Concen: 6.003 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 65 Resp: 1208

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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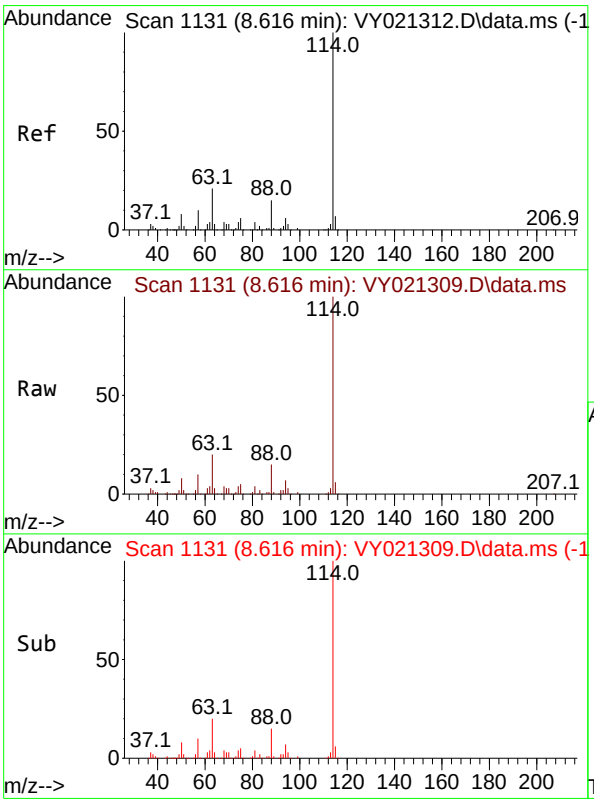
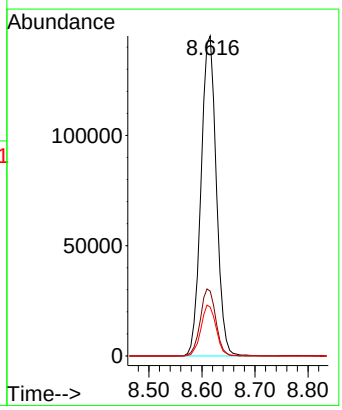
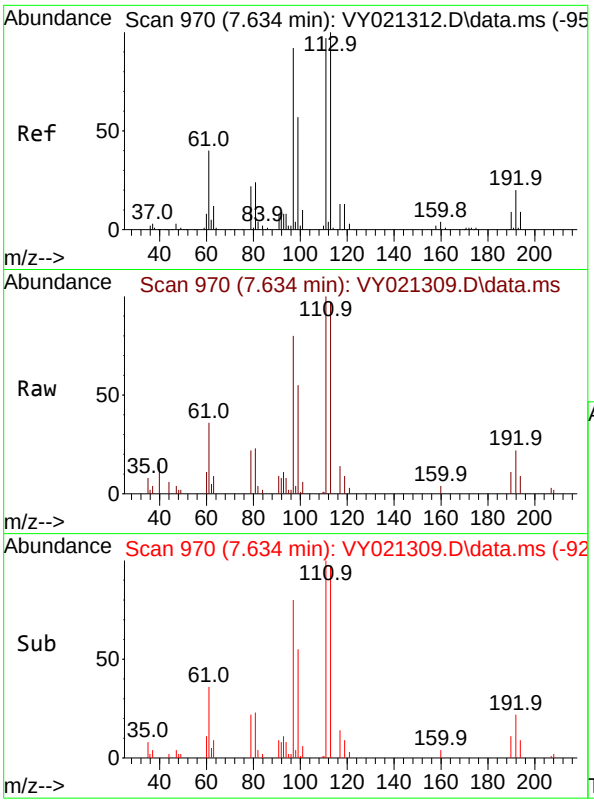


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:114 Resp: 289913

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.2
88	15.2	0.0	29.8

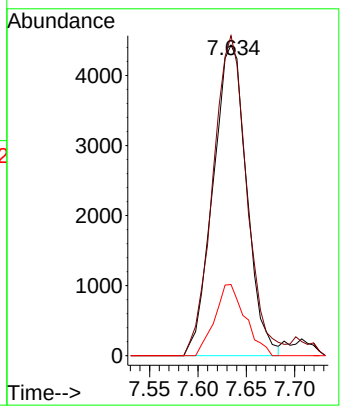




#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:113 Resp: 1071

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.0	121.6
192	20.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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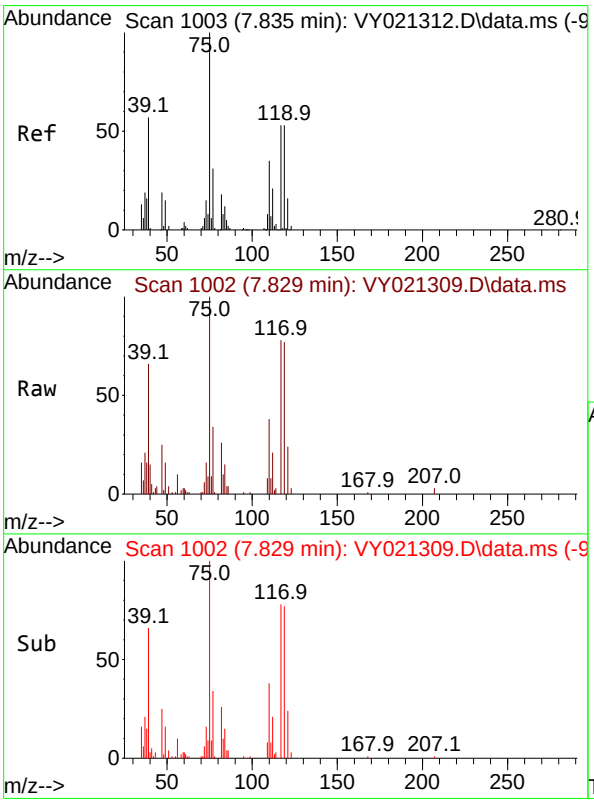
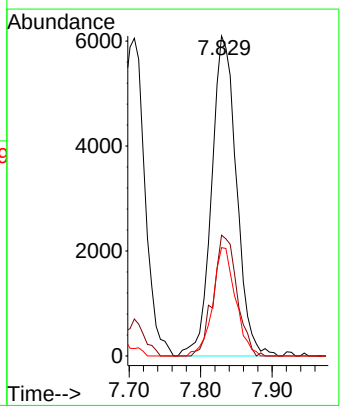
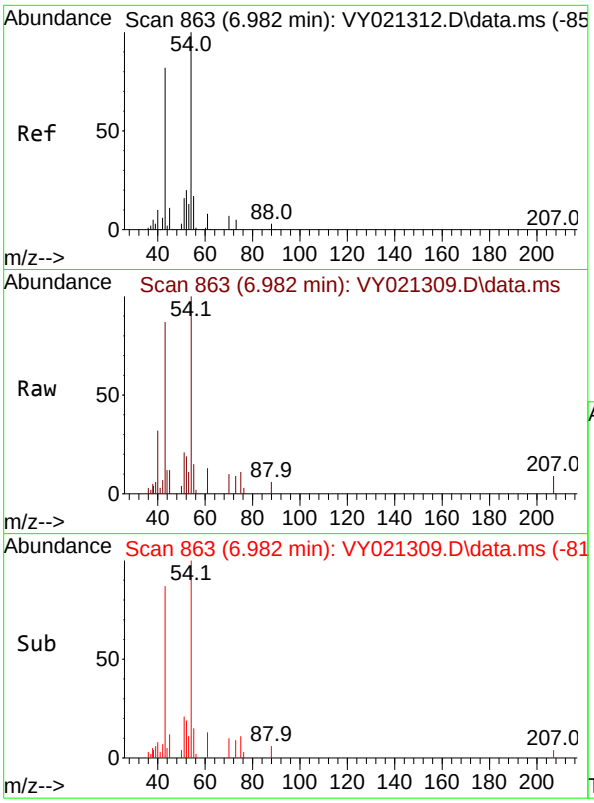


#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 14719

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.9	50.7
77	31.0	24.6	36.8





#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 727

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	8.5	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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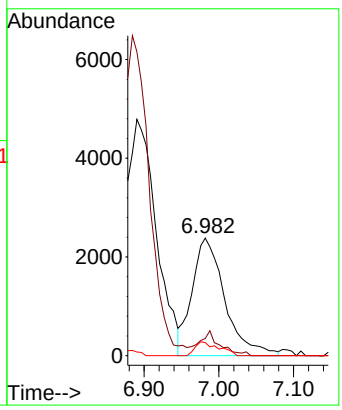
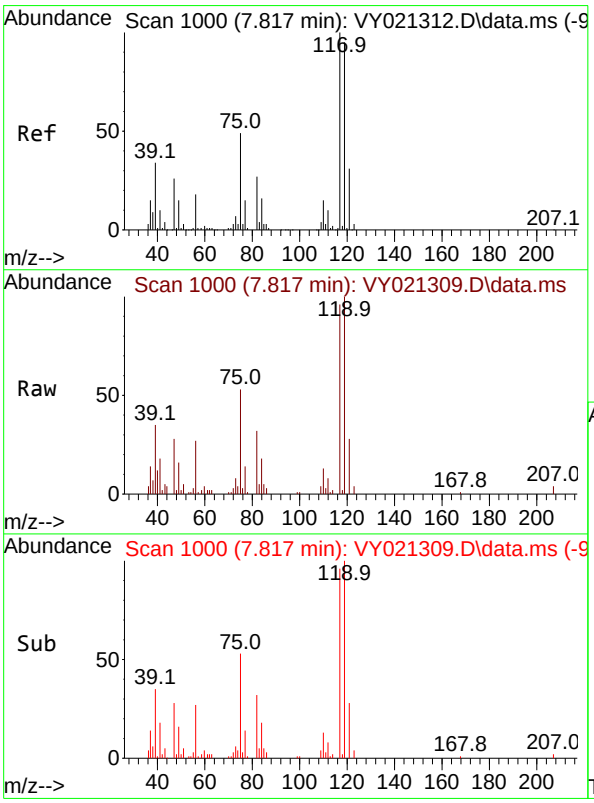
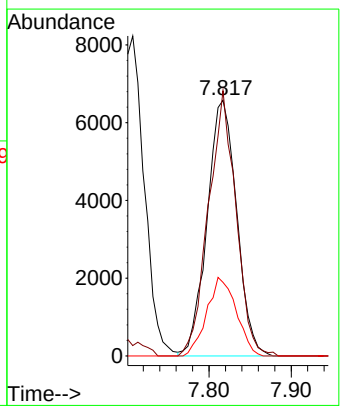


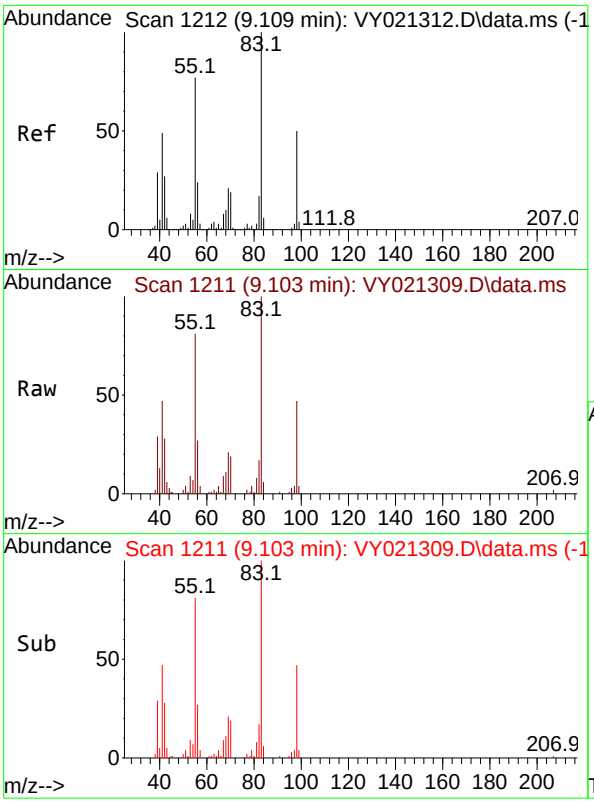


#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 16445

Ion	Ratio	Lower	Upper
117	100		
119	103.8	76.0	114.0
121	28.8	24.9	37.3





#39
Methylcyclohexane
Concen: 4.795 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 1731

Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.3	91.9
98	47.2	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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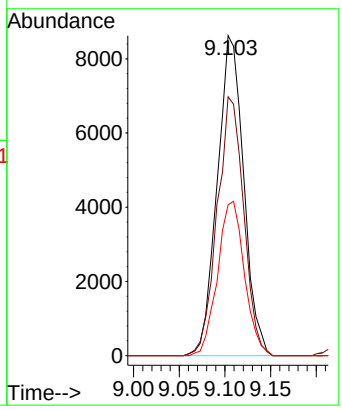
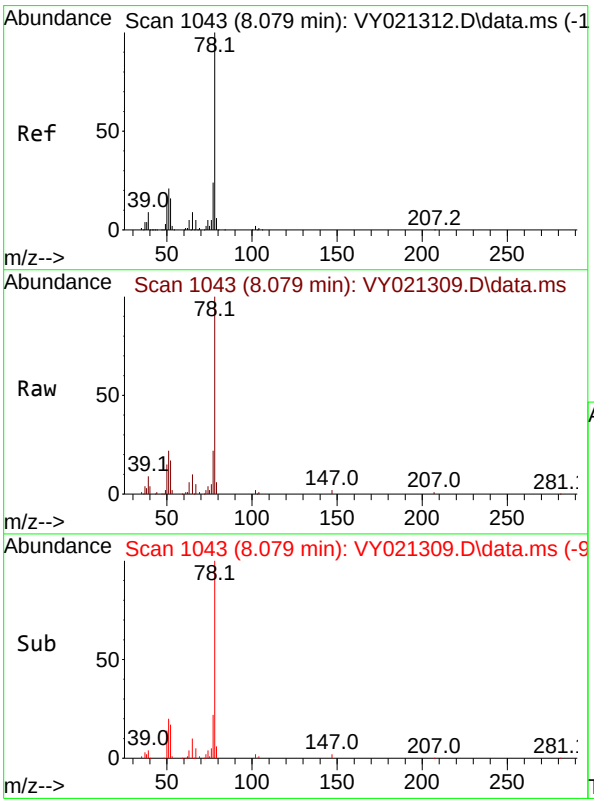
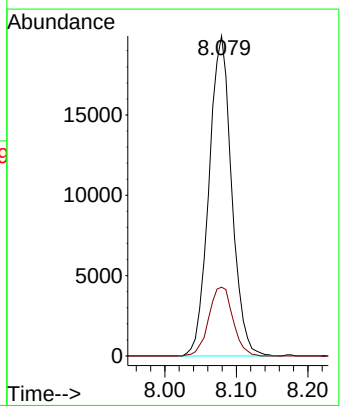


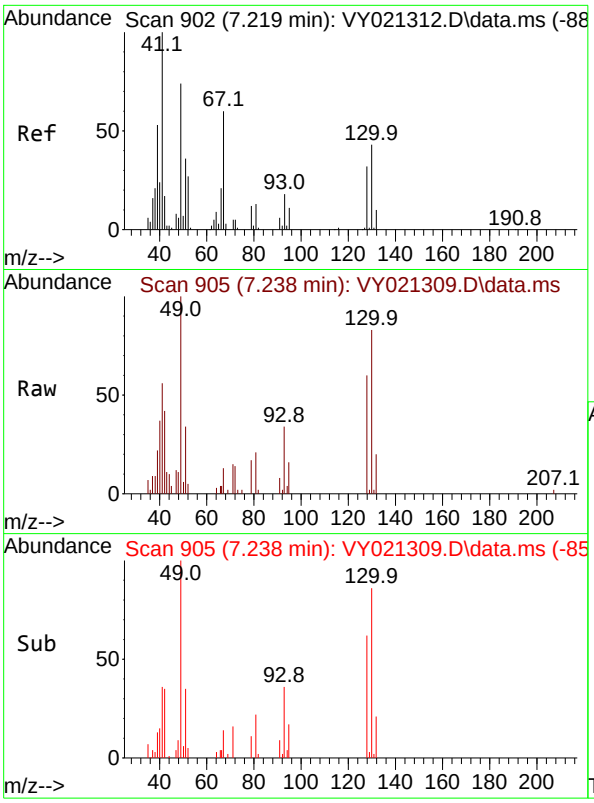


#40
Benzene
Concen: 5.203 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 78 Resp: 43912

Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.2	28.8

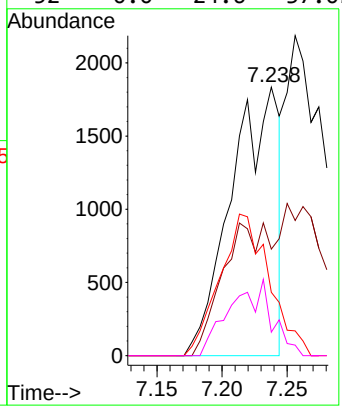




#41
Methacrylonitrile
Concen: 5.908 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 469

Ion	Ratio	Lower	Upper
41	100		
39	35.3	42.3	63.5#
67	54.1	54.8	82.2#
52	0.0	24.6	37.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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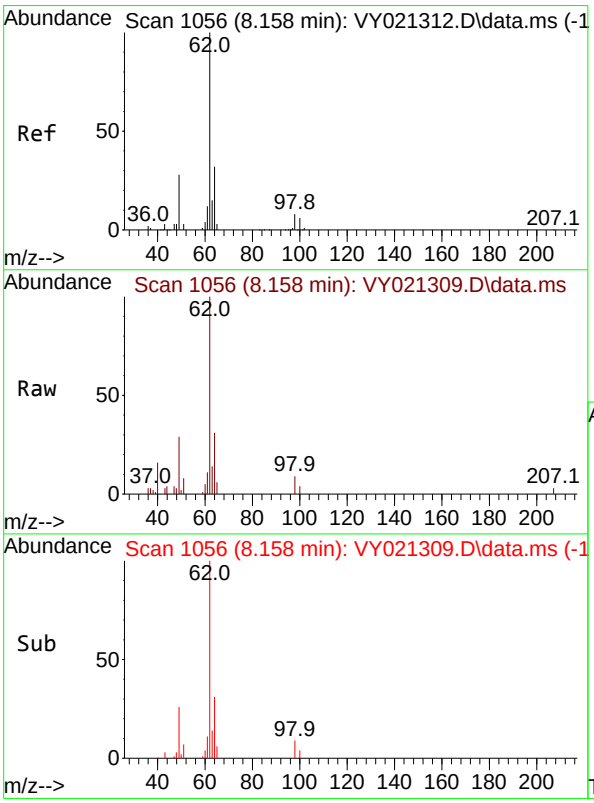
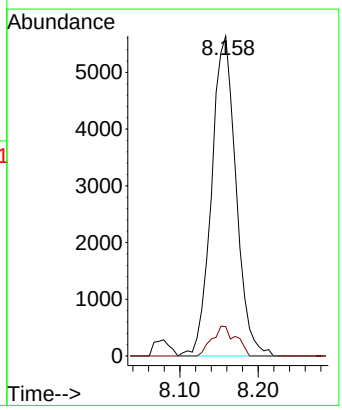
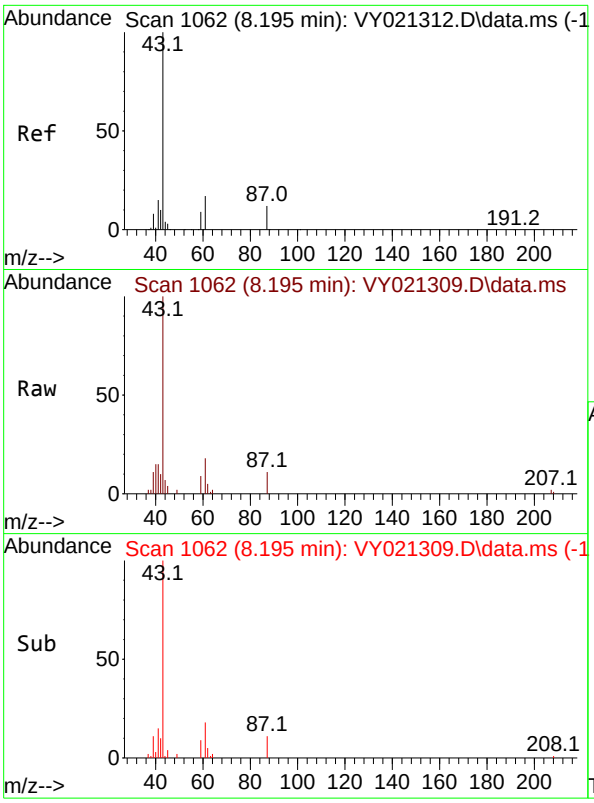


#42
1,2-Dichloroethane
Concen: 5.110 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 12236

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

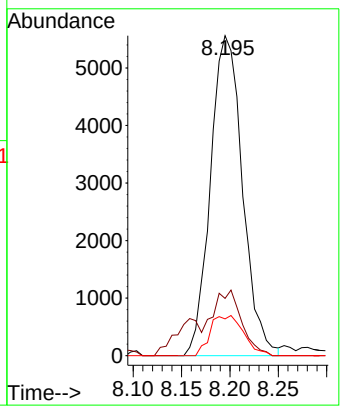




#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1283

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.6
87	13.0	10.0	15.0



Instrument :
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ClientSampleId :
VSTDICC005

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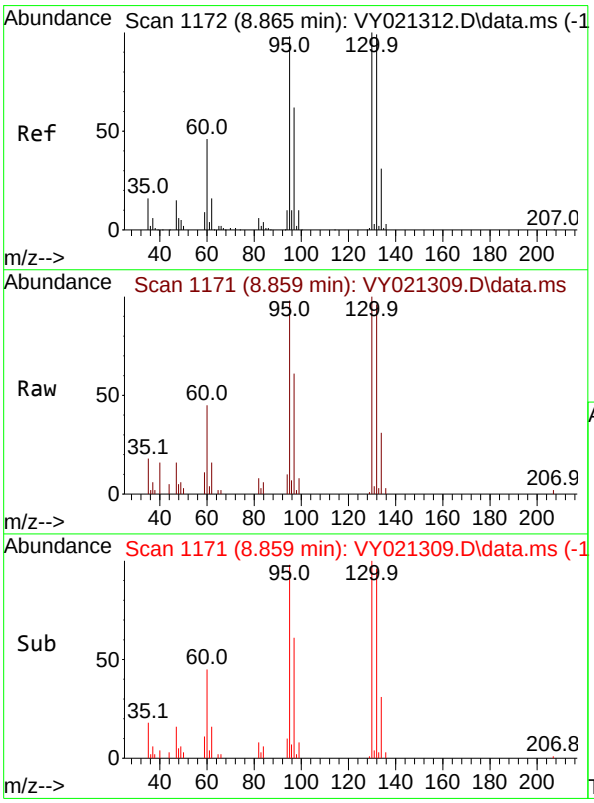
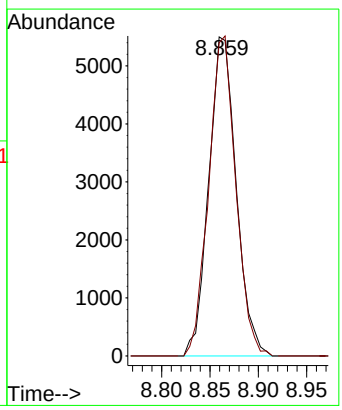
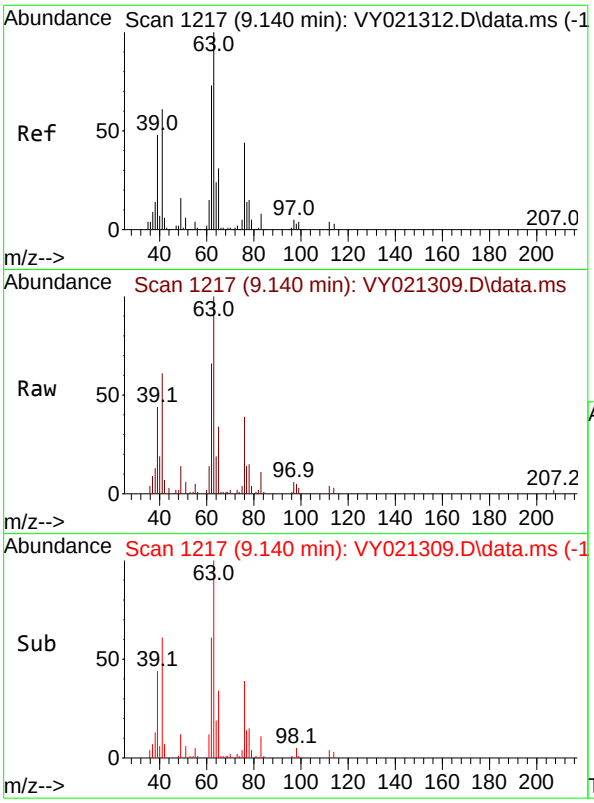


#44
Trichloroethene
Concen: 5.143 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:130 Resp: 10868

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.0

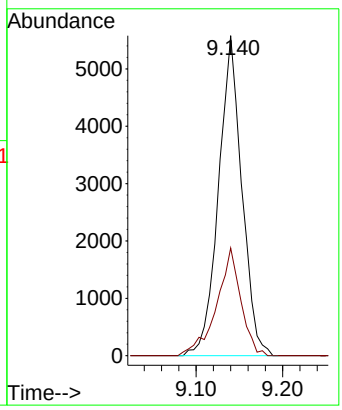




#45
1,2-Dichloropropane
Concen: 5.133 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 1042

Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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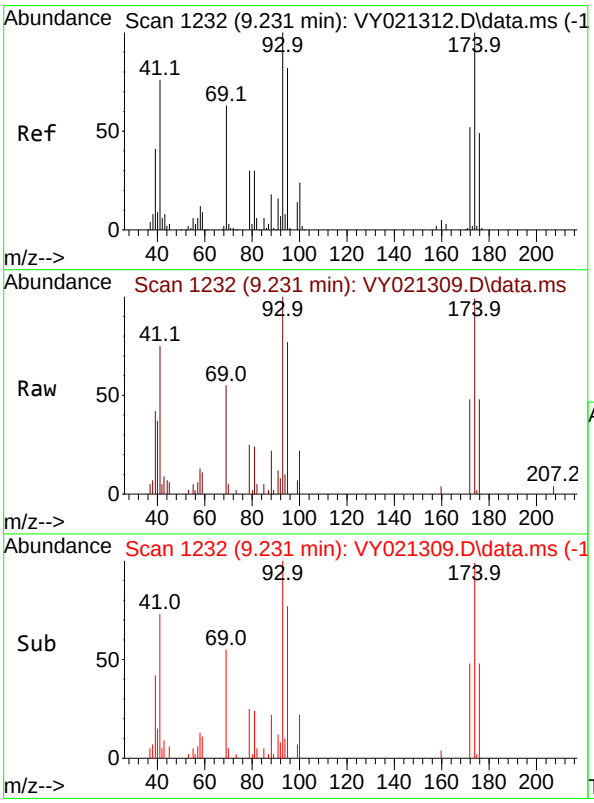
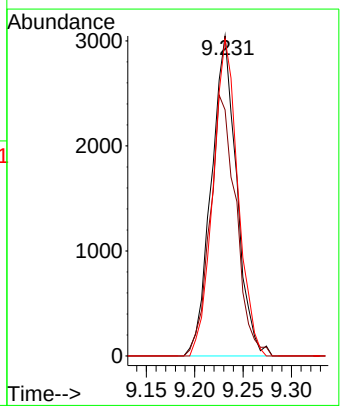
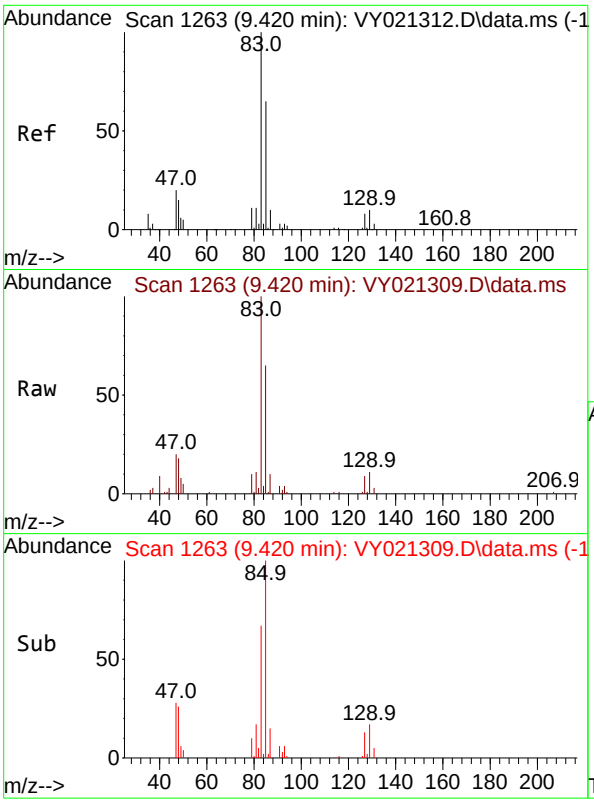


#46
Dibromomethane
Concen: 5.005 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 93 Resp: 5557

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	97.3	78.2	117.2

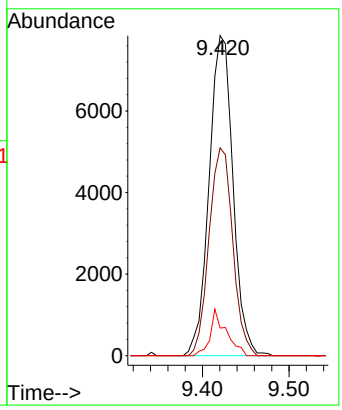




#47
Bromodichloromethane
Concen: 5.081 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 1504

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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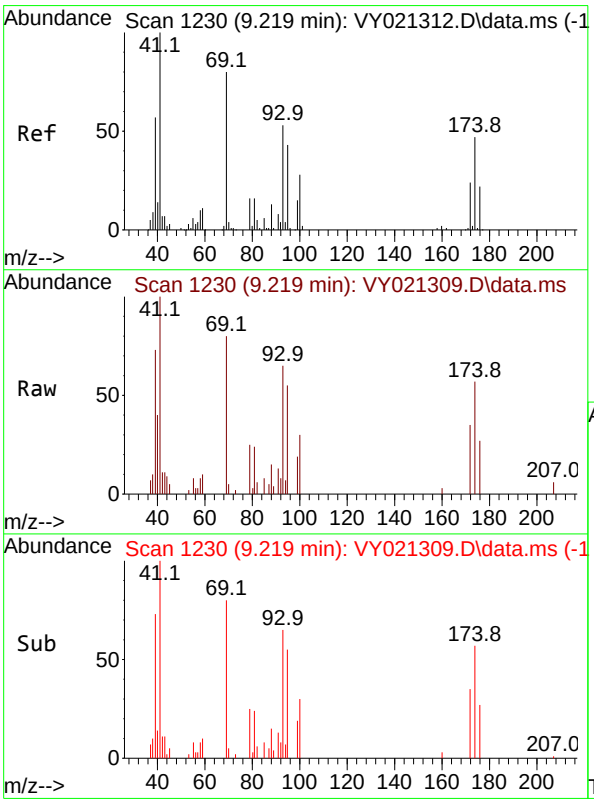
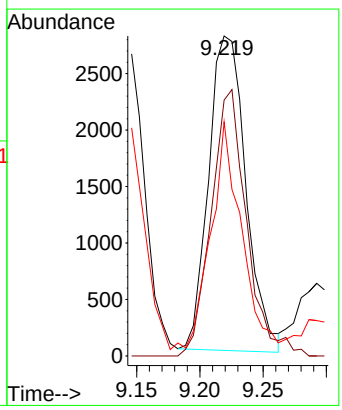
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

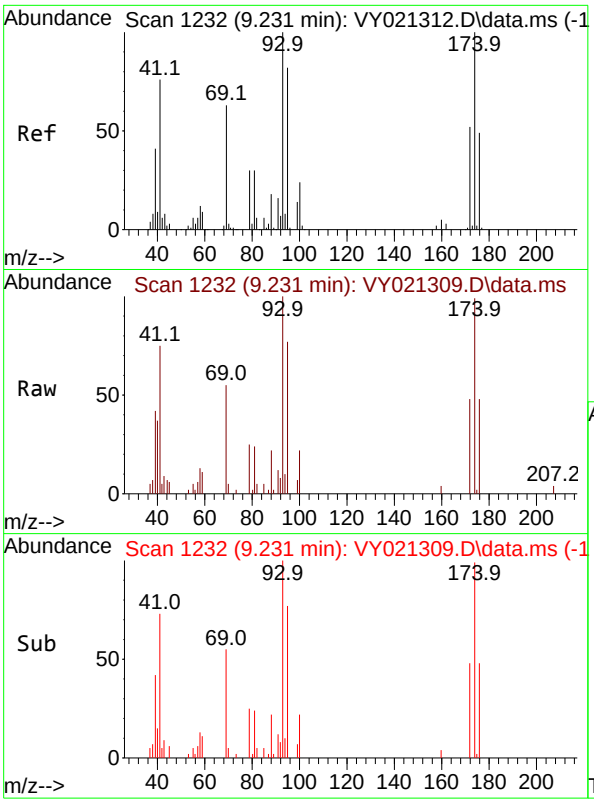


#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 5698

Ion	Ratio	Lower	Upper
41	100		
69	80.6	63.3	94.9
39	62.7	45.0	67.6

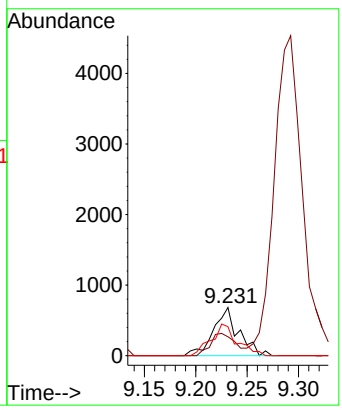




#49
1,4-Dioxane
Concen: 94.292 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 88 Resp: 116

Ion	Ratio	Lower	Upper
88	100		
43	43.6	34.8	52.2
58	67.1	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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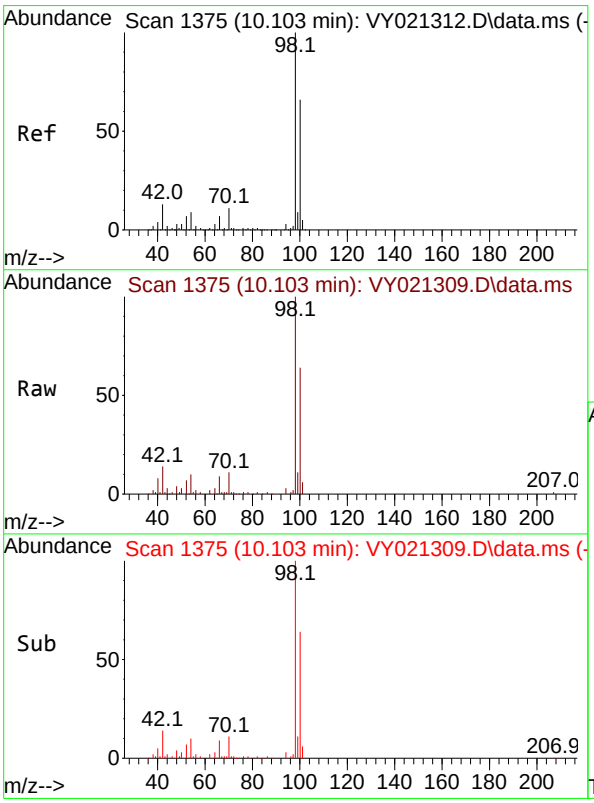
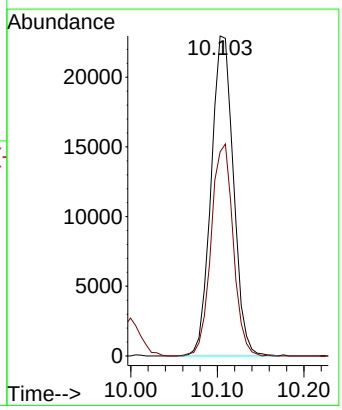
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

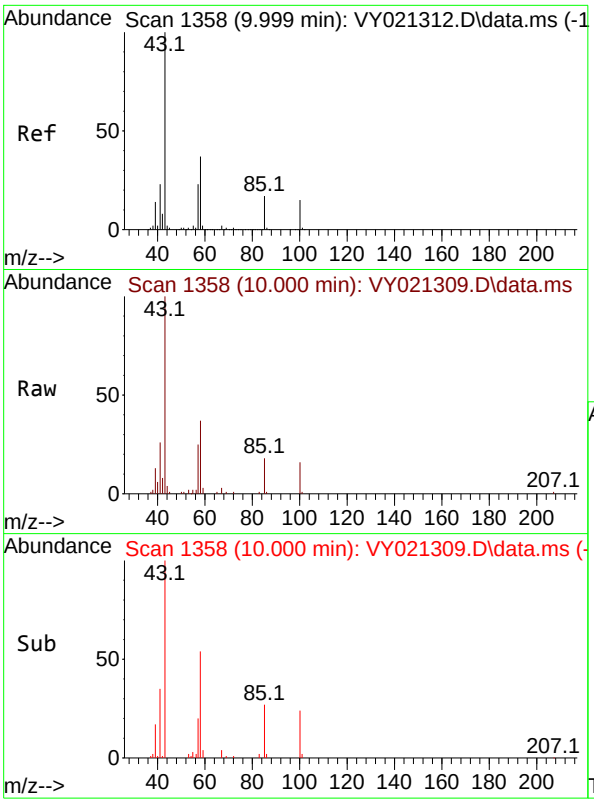


#50
Toluene-d8
Concen: 5.603 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 98 Resp: 41158

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6

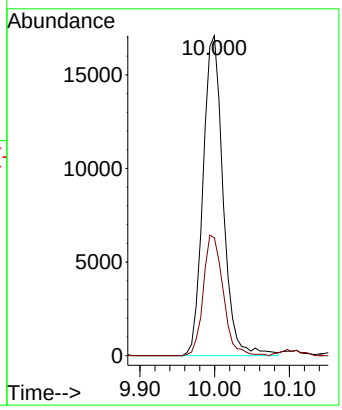




#51
4-Methyl-2-Pentanone
Concen: 22.677 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 3191

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1



Instrument :
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ClientSampleId :
VSTDICC005

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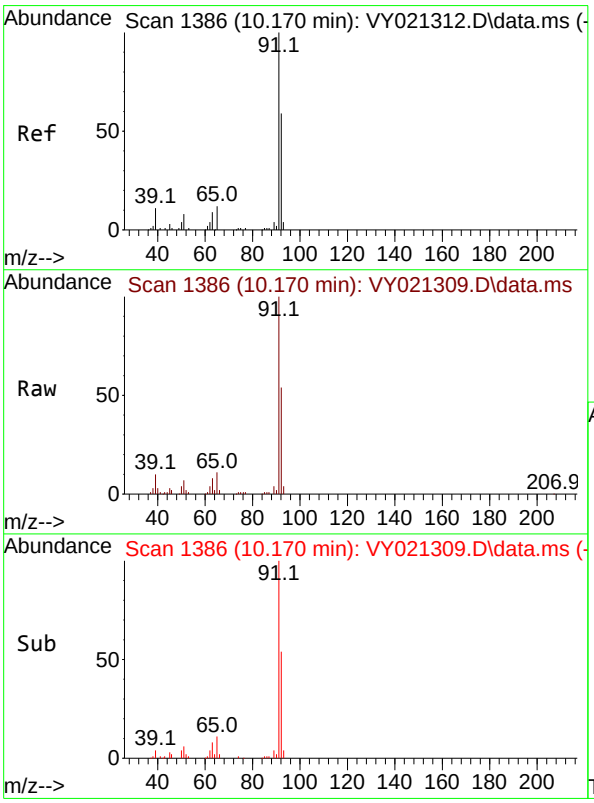
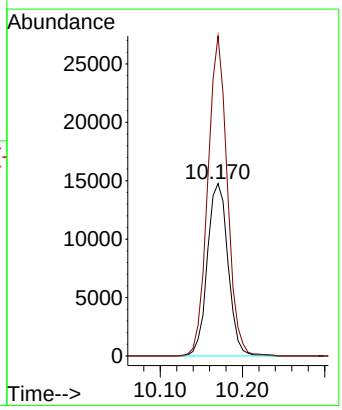
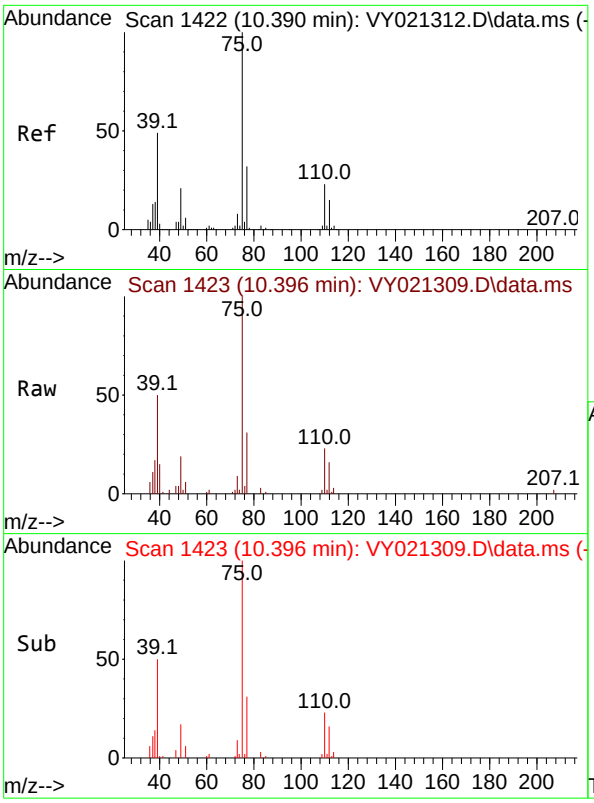


#52
Toluene
Concen: 4.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 92 Resp: 25715

Ion	Ratio	Lower	Upper
92	100		
91	175.2	137.8	206.8

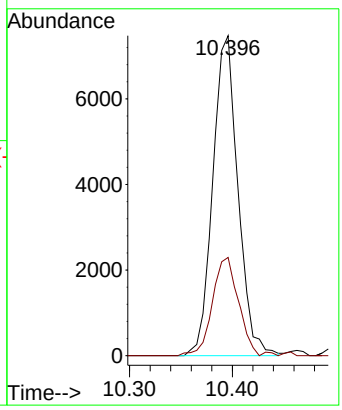




#53
t-1,3-Dichloropropene
Concen: 4.682 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1269

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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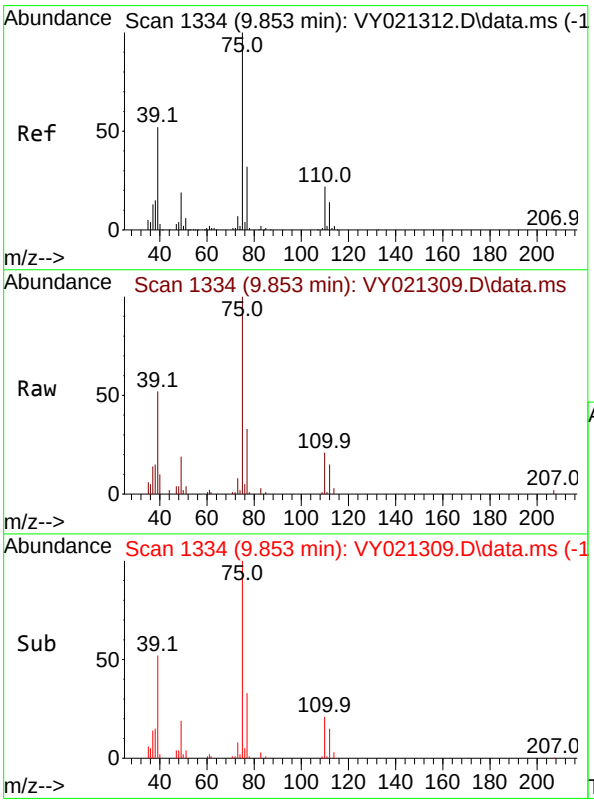
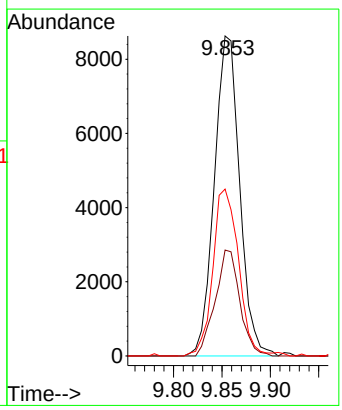
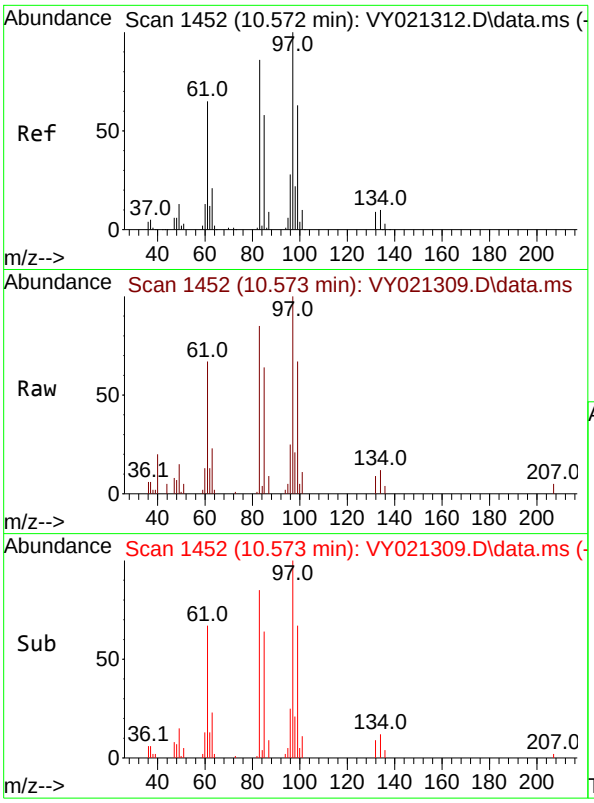


#54
cis-1,3-Dichloropropene
Concen: 4.899 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 15685

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
39	52.2	41.8	62.6

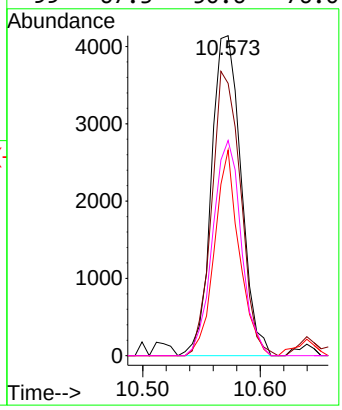




#55
1,1,2-Trichloroethane
Concen: 5.019 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 725

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.7	103.1
85	64.3	46.3	69.5
99	67.3	50.6	76.0



Instrument :
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ClientSampleId :
VSTDICC005

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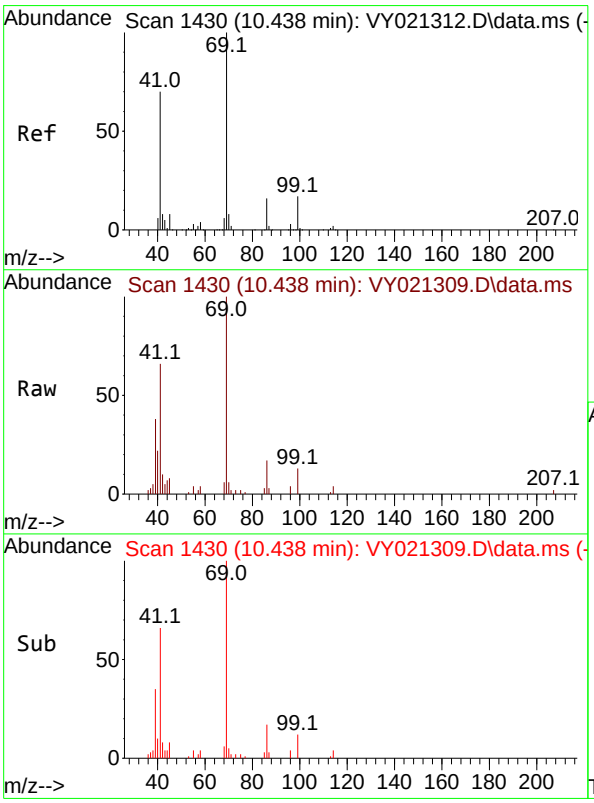
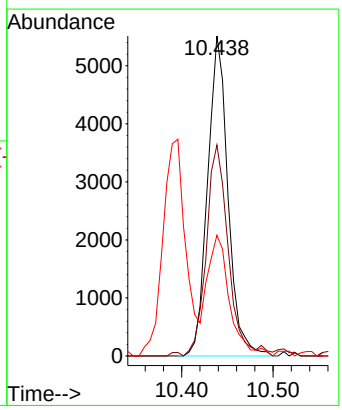
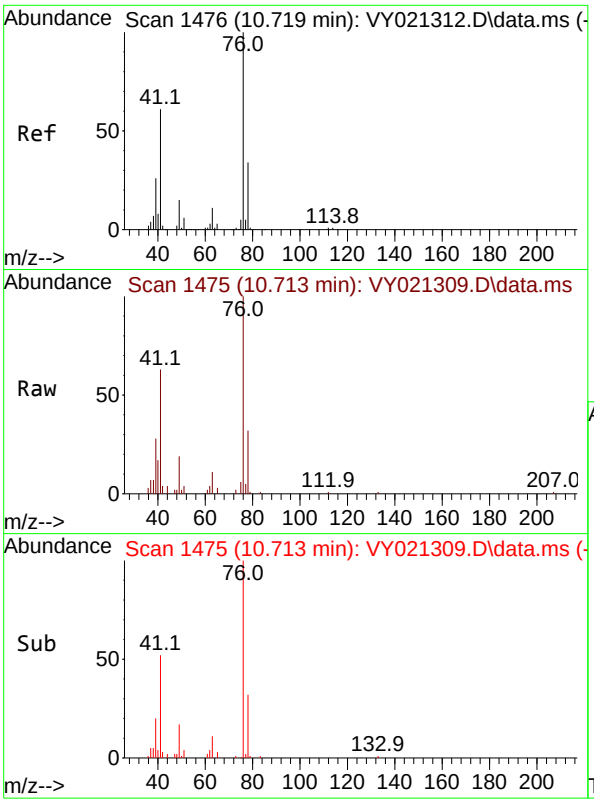


#56
Ethyl methacrylate
Concen: 4.267 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 69 Resp: 8528

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.2	84.4
39	40.8	32.7	49.1

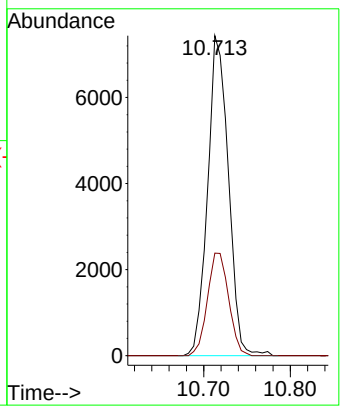




#57
1,3-Dichloropropane
Concen: 4.880 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 76 Resp: 1238

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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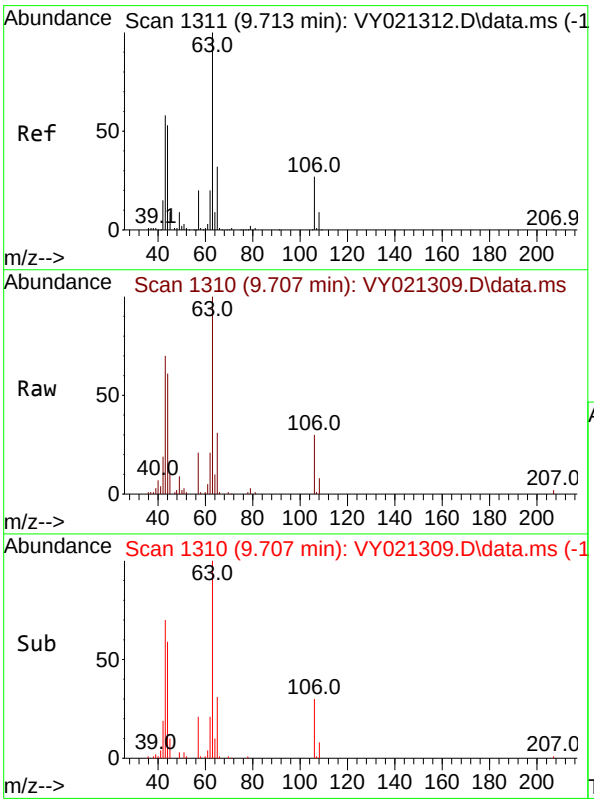
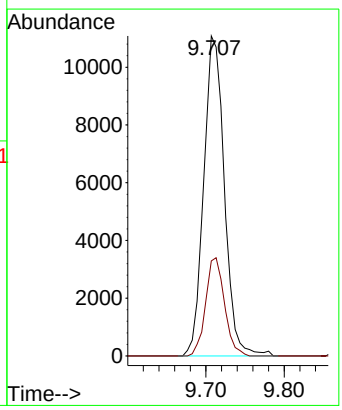
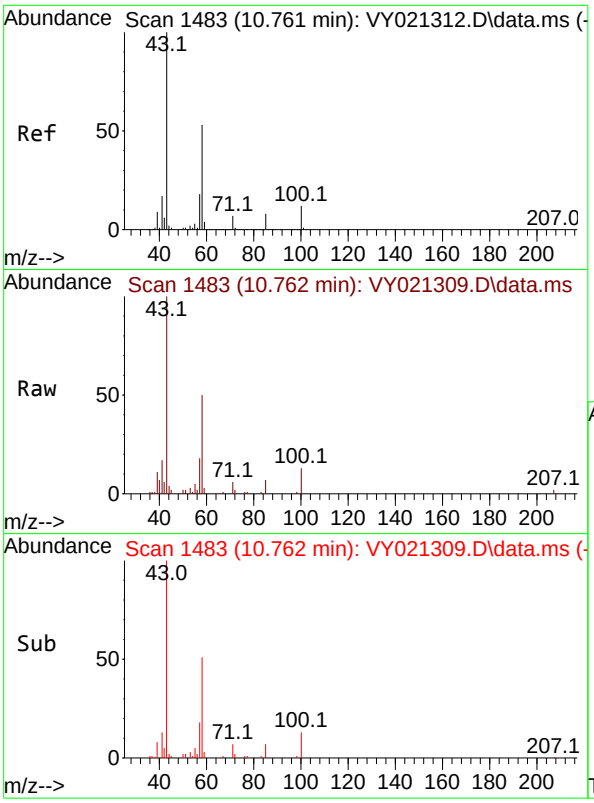


#58
2-Chloroethyl Vinyl ether
Concen: 21.153 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 20290

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.7	32.5

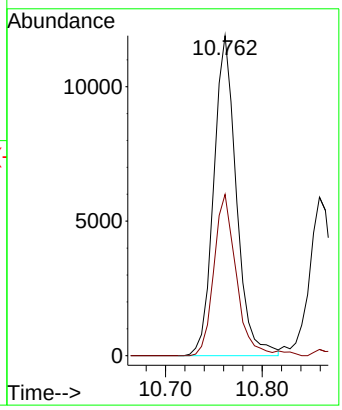




#59
2-Hexanone
Concen: 20.897 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1931

Ion	Ratio	Lower	Upper
43	100		
58	49.3	25.9	77.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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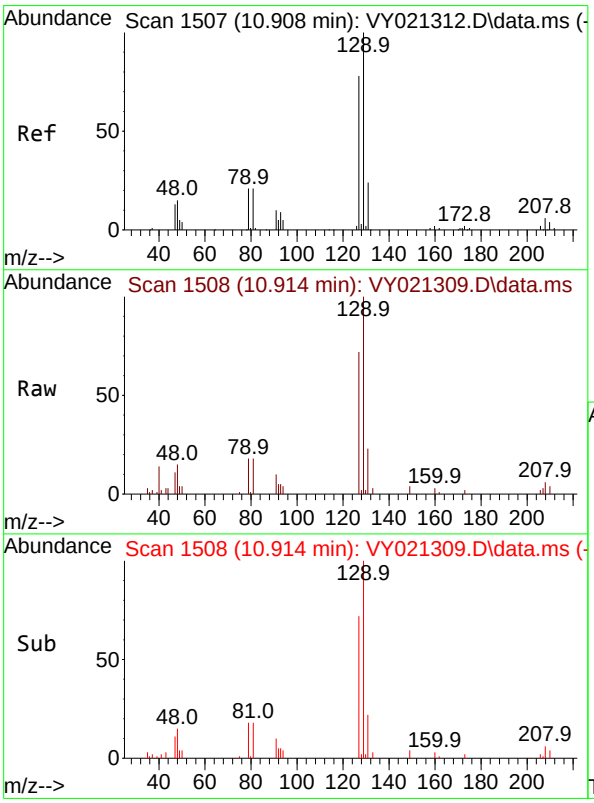
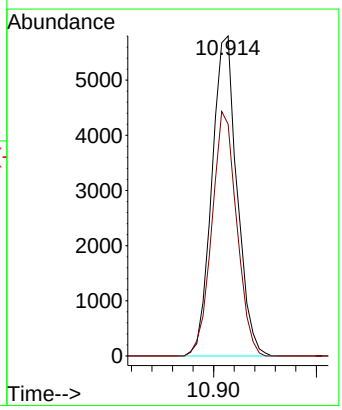
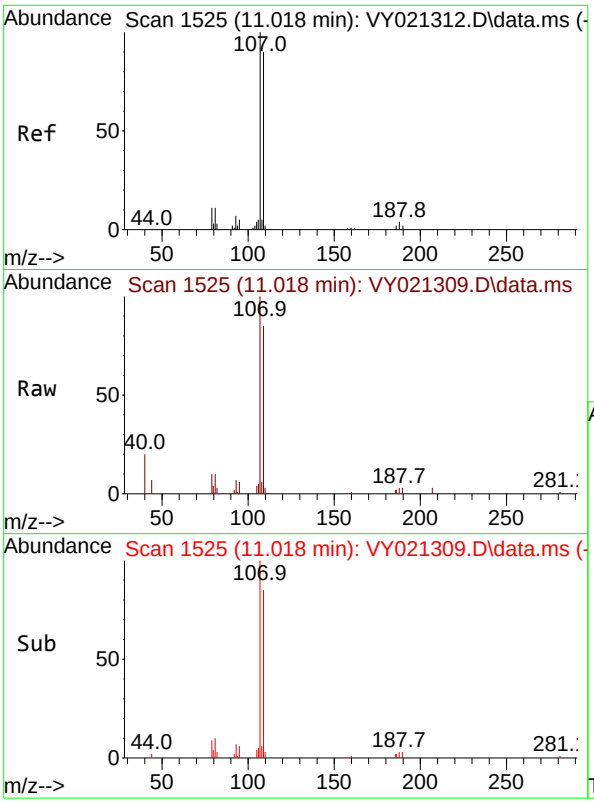


#60
Dibromochloromethane
Concen: 4.998 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:129 Resp: 9844

Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.8	116.4

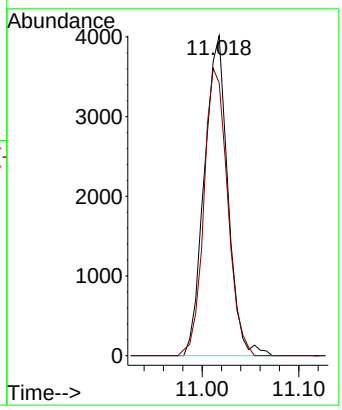




#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:107 Resp: 679

Ion	Ratio	Lower	Upper
107	100		
109	90.5	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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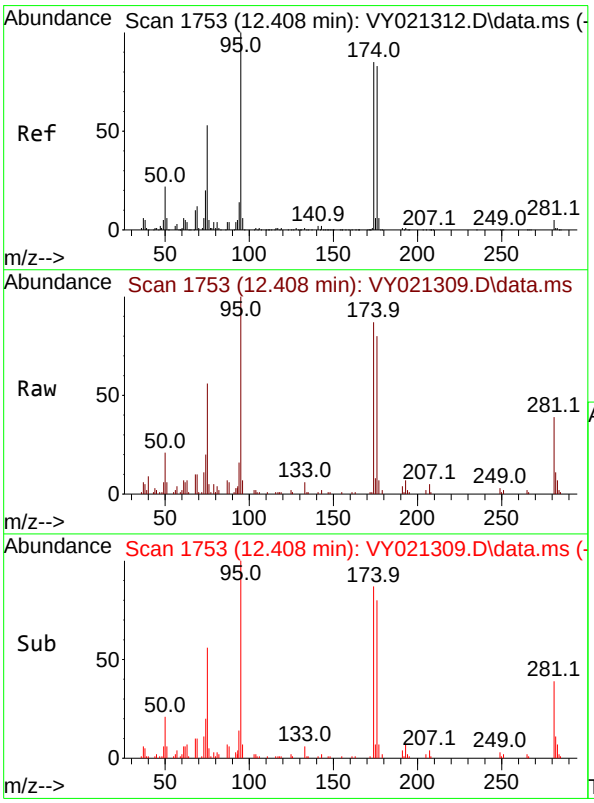
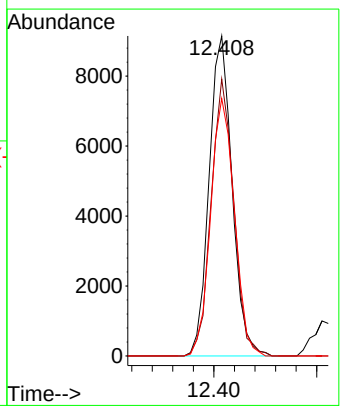
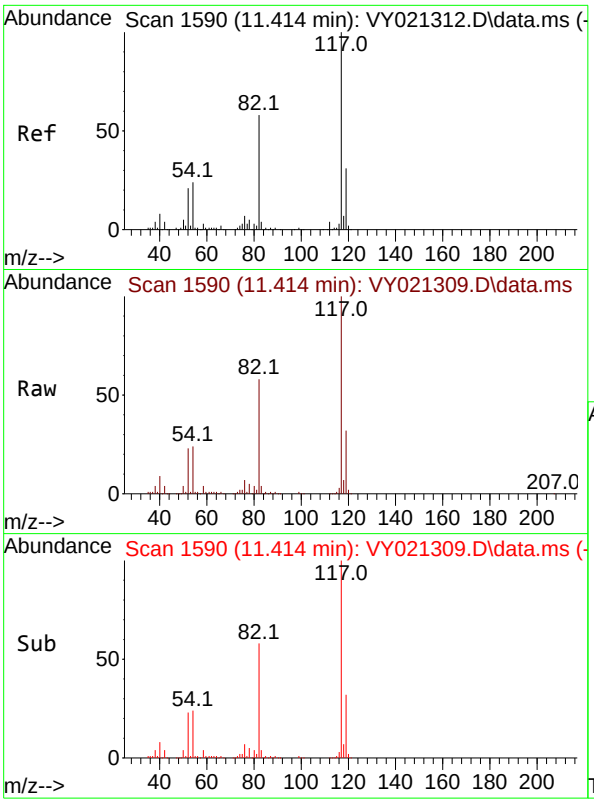


#62
4-Bromofluorobenzene
Concen: 5.741 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 95 Resp: 14192

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	168.0
176	83.1	0.0	162.6

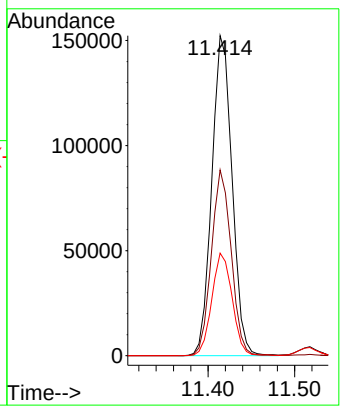




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 24783

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.2	69.4
119	32.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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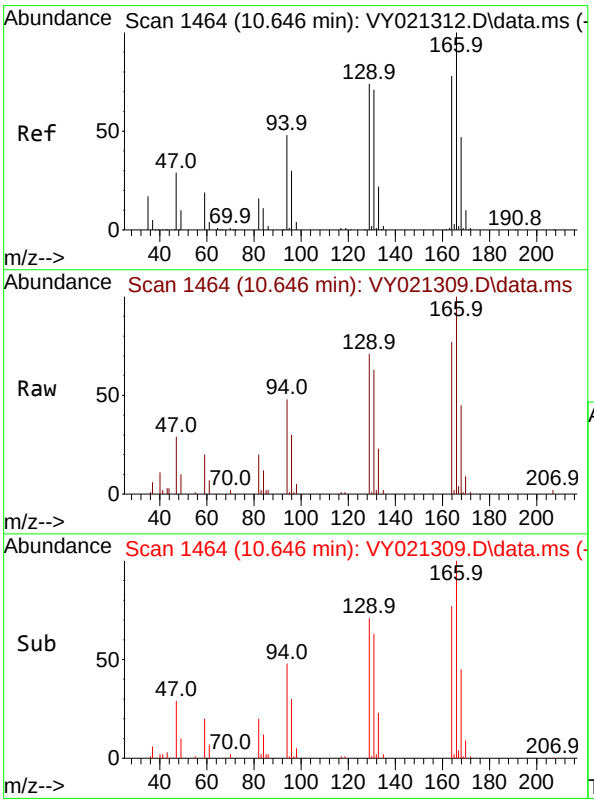
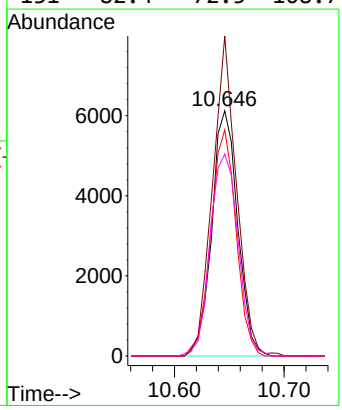
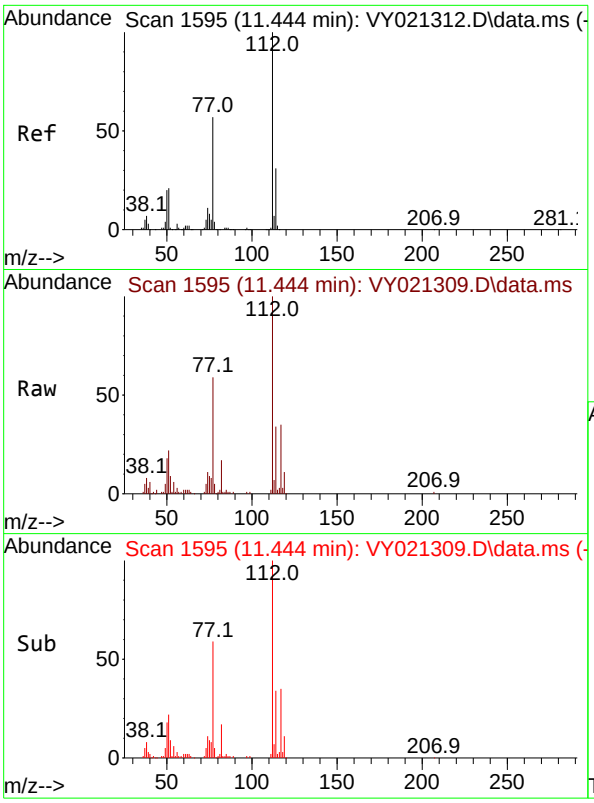


#64
Tetrachloroethene
Concen: 5.361 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:164 Resp: 10042

Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.9	152.9
129	92.3	75.5	113.3
131	82.4	72.5	108.7

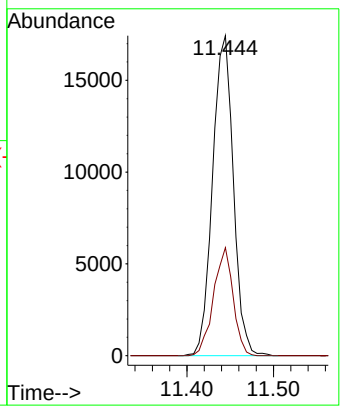




#65
Chlorobenzene
Concen: 5.217 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:112 Resp: 2902

Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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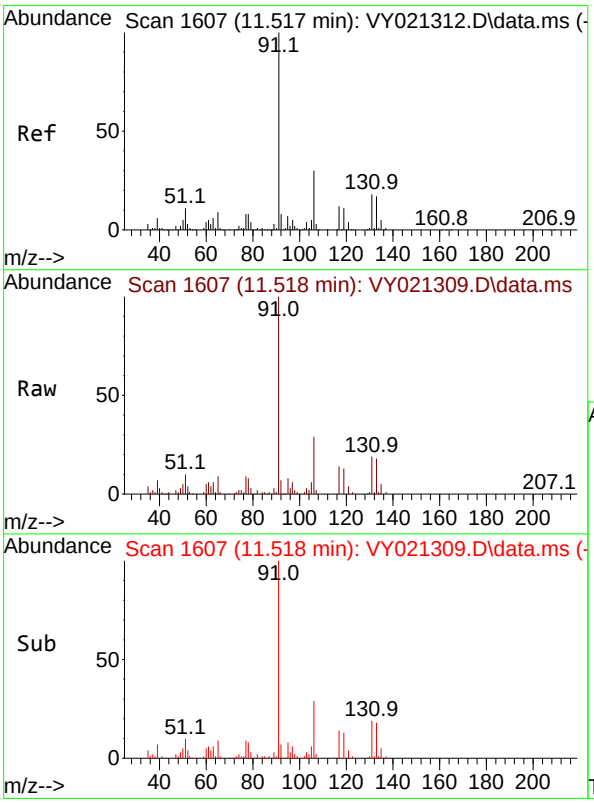
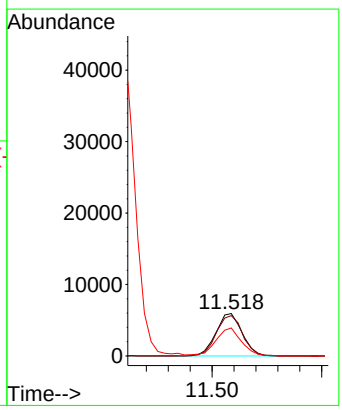
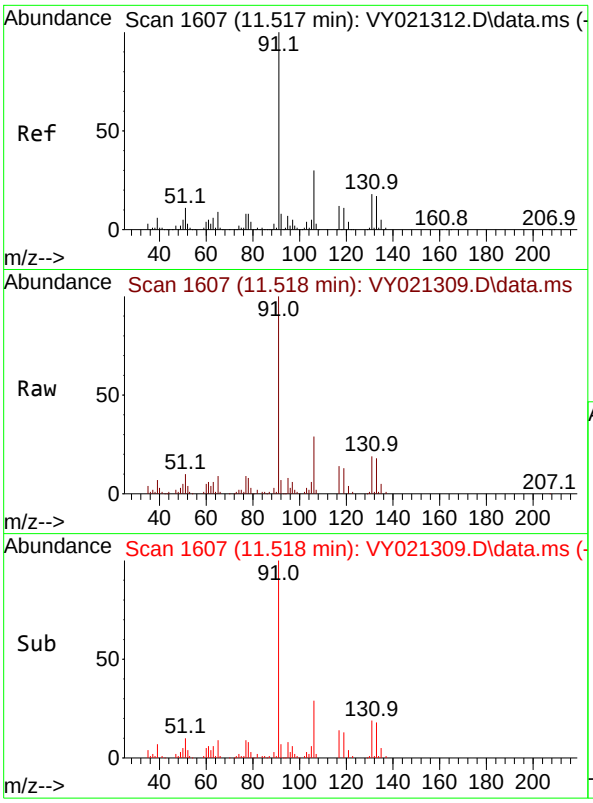


#66
1,1,1,2-Tetrachloroethane
Concen: 5.043 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:131 Resp: 9824

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	64.5	31.7	95.1





#67
Ethyl Benzene
Concen: 4.874 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 4802

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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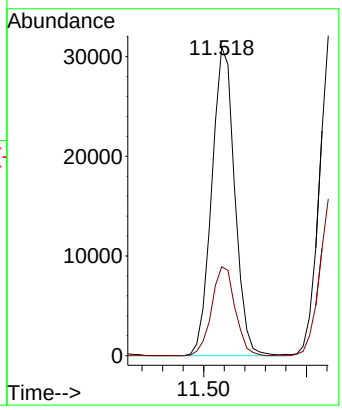
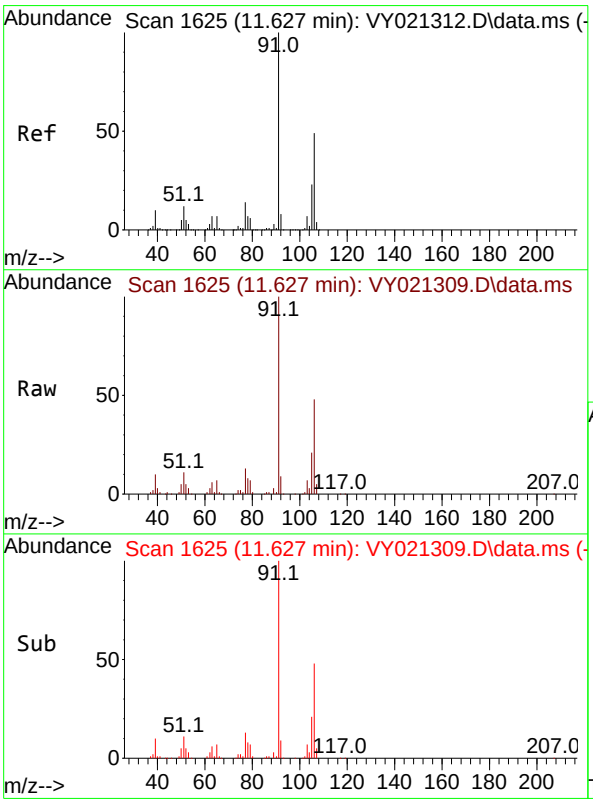
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

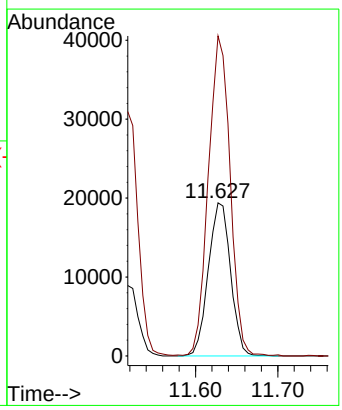


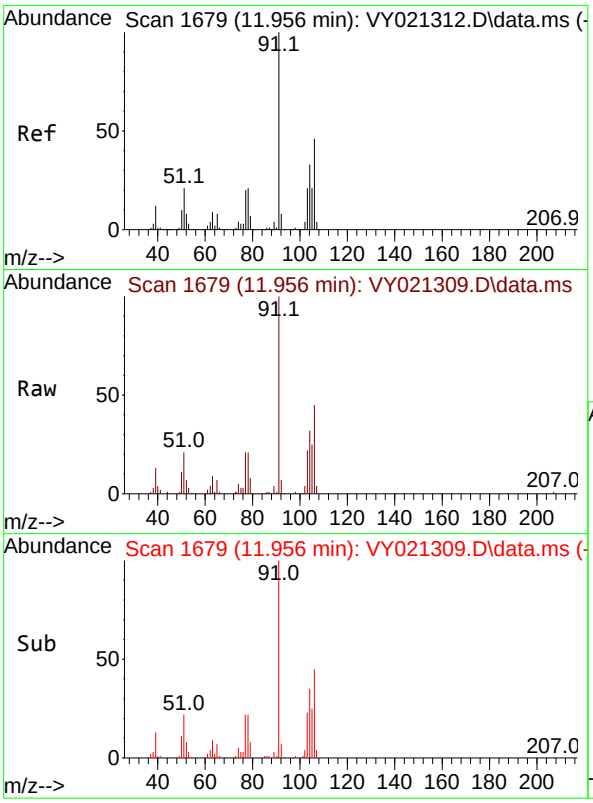


#68
m/p-Xylenes
Concen: 9.833 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 36446

Ion	Ratio	Lower	Upper
106	100		
91	205.1	163.9	245.9

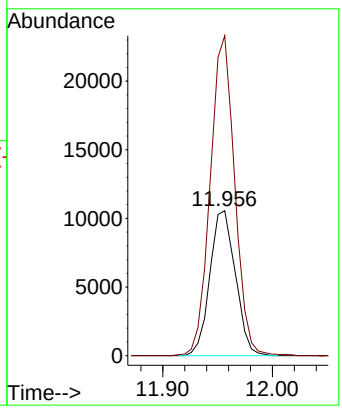




#69
o-Xylene
Concen: 4.920 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 1708

Ion	Ratio	Lower	Upper
106	100		
91	211.7	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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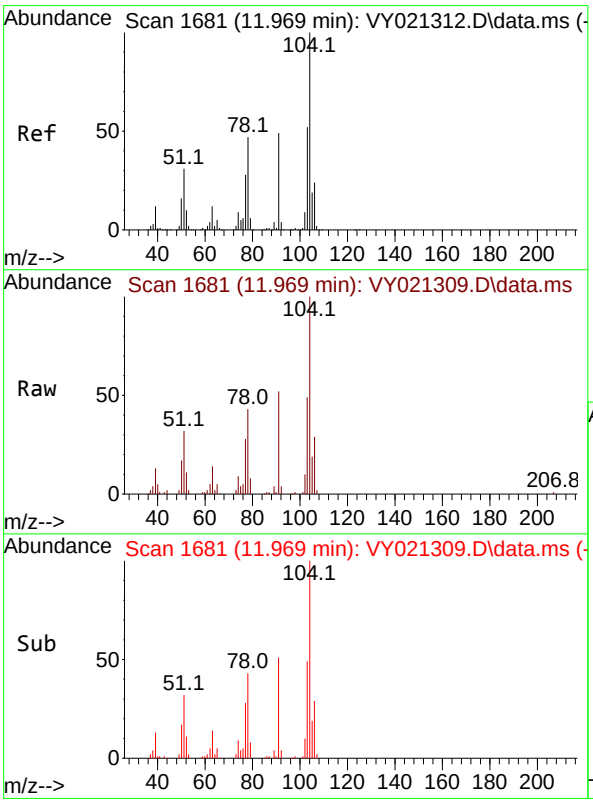
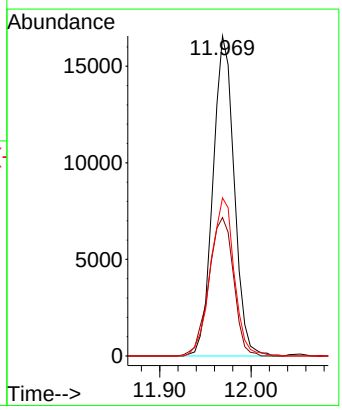
Supervised By :Mahesh Dadoda 02/26/2025

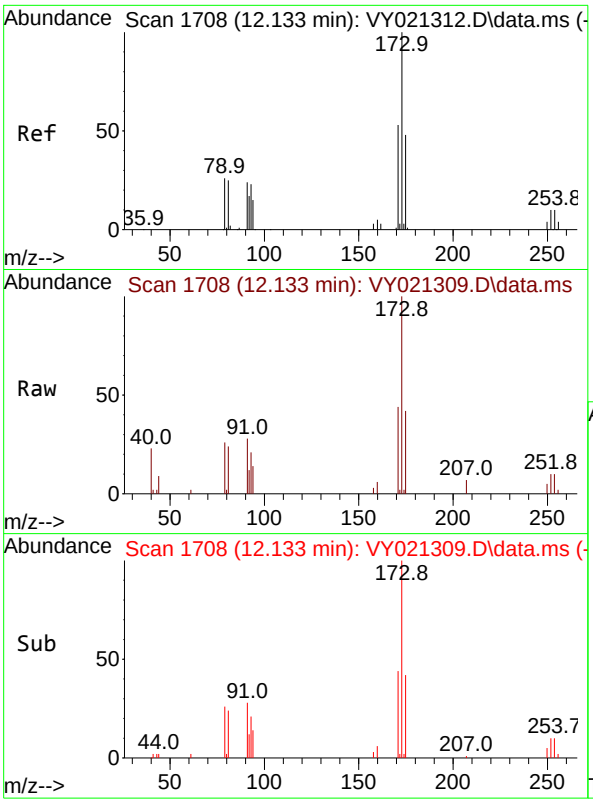


#70
Styrene
Concen: 4.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:104 Resp: 26787

Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.3	61.9
103	54.9	43.9	65.9

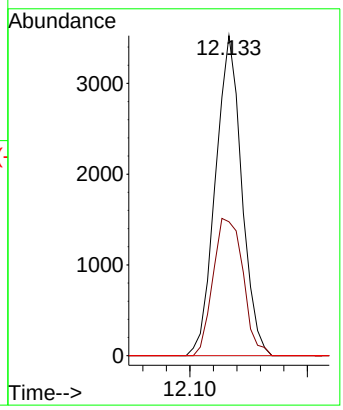




#71
Bromoform
Concen: 4.916 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:173 Resp: 547

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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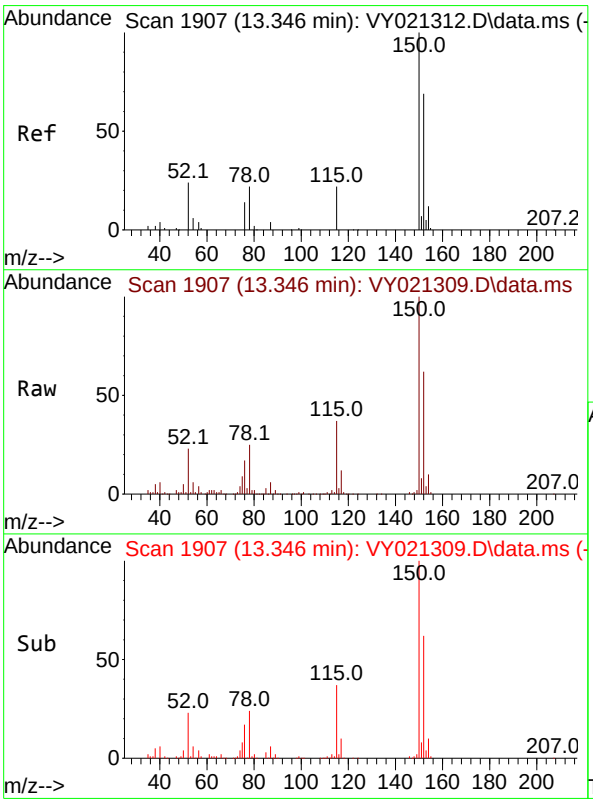
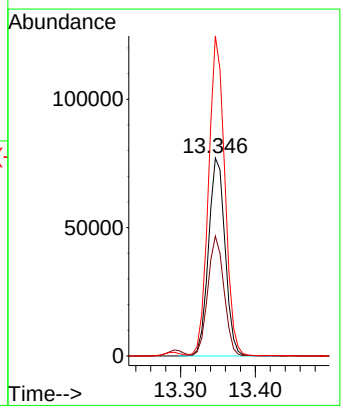
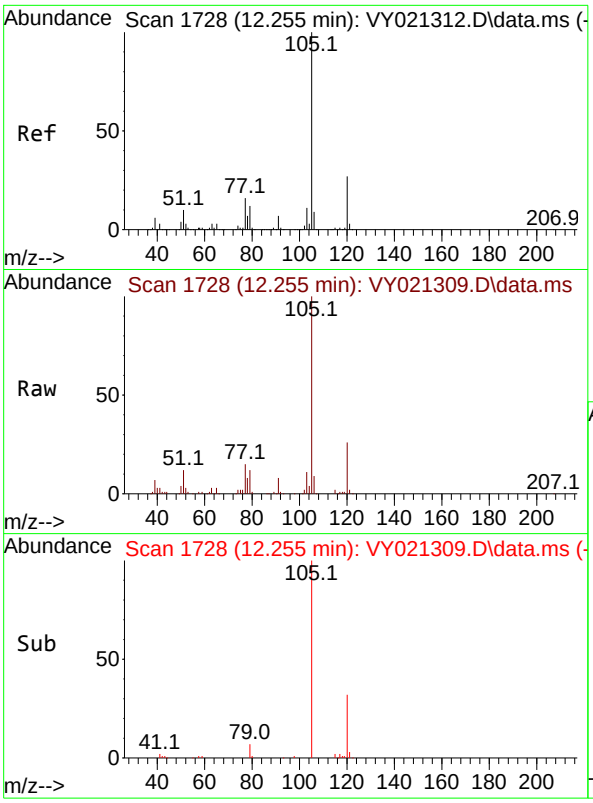


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:152 Resp: 118690

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	88.0
150	158.5	0.0	347.4

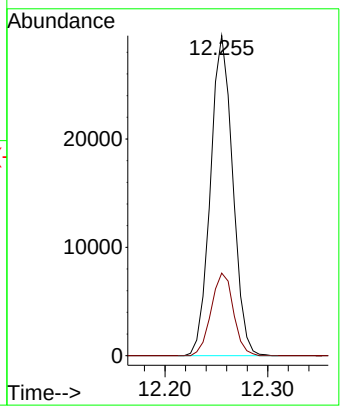




#73
Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4443

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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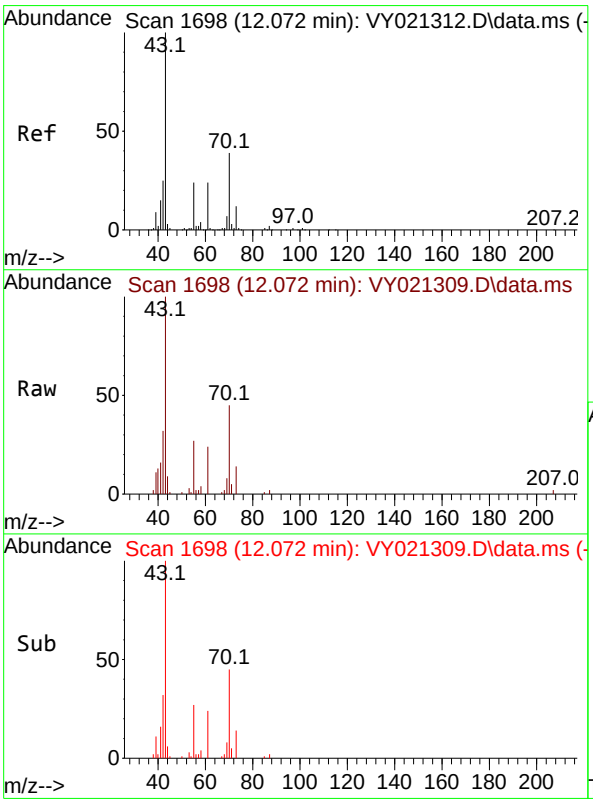
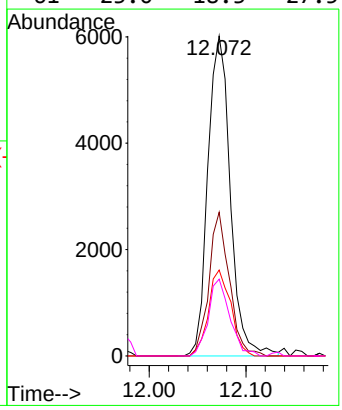
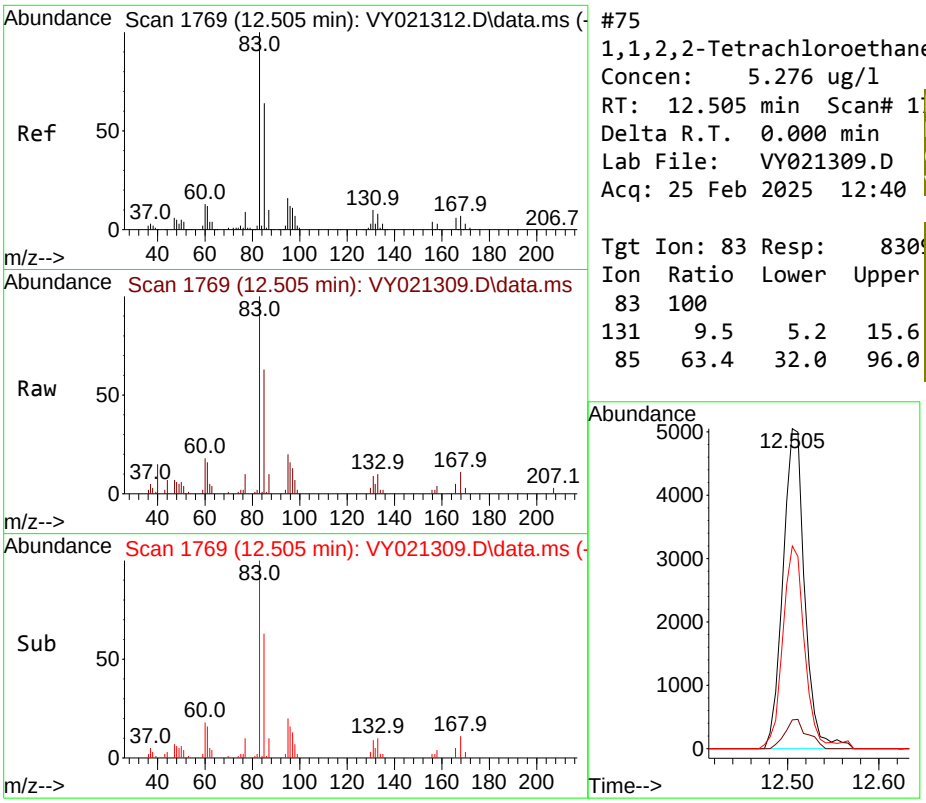


#74
N-amyl acetate
Concen: 4.283 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9713

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	26.7	19.6	29.4
61	23.0	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 5.276 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 830

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.2	15.6
85	63.4	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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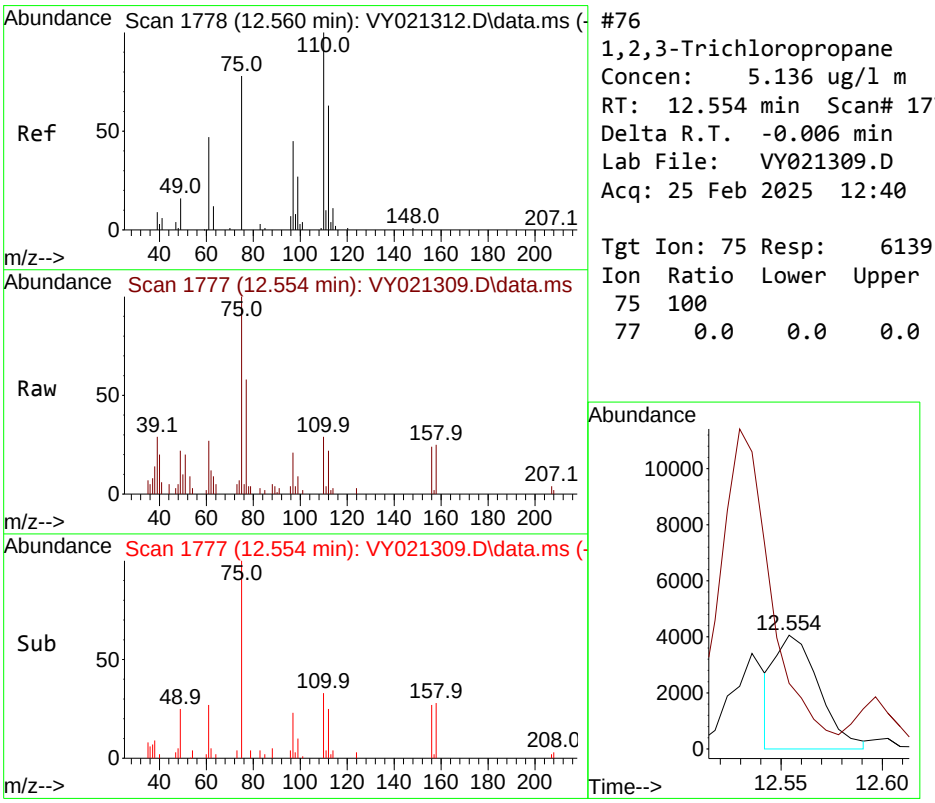
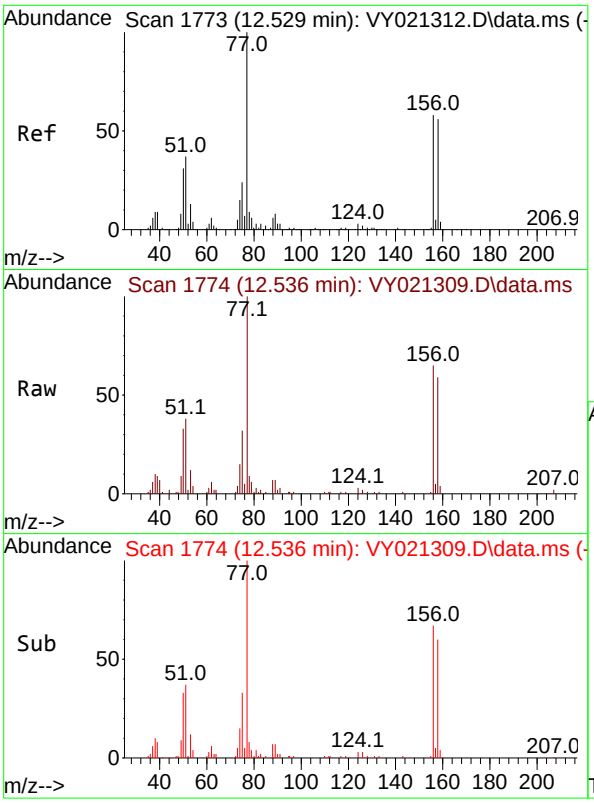


#76
1,2,3-Trichloropropane
Concen: 5.136 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 6139

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 5.257 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:156 Resp: 1091

Ion	Ratio	Lower	Upper
156	100		
77	185.6	94.0	282.1
158	96.6	48.7	146.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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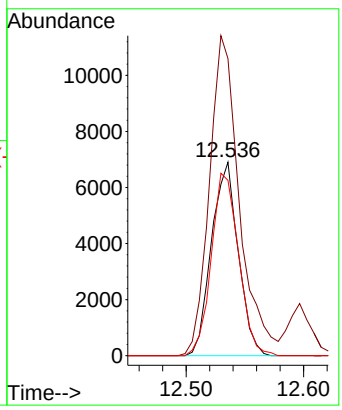
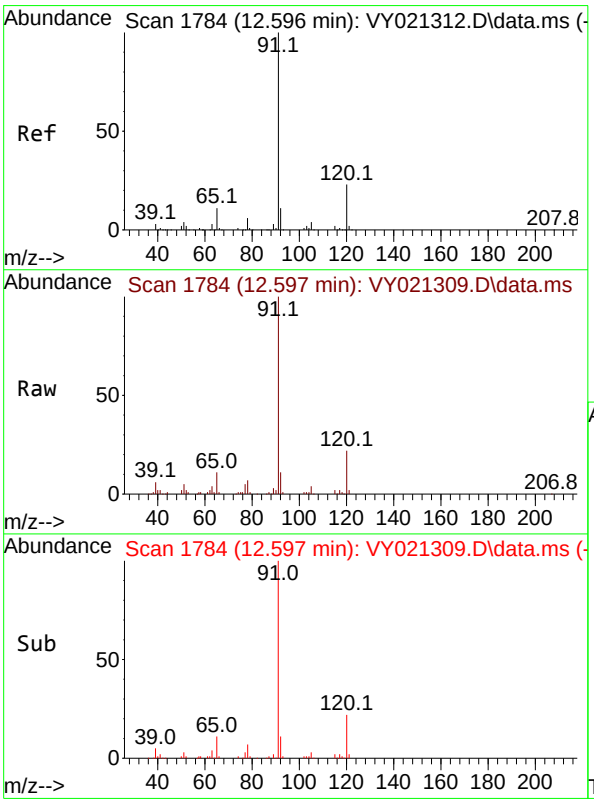
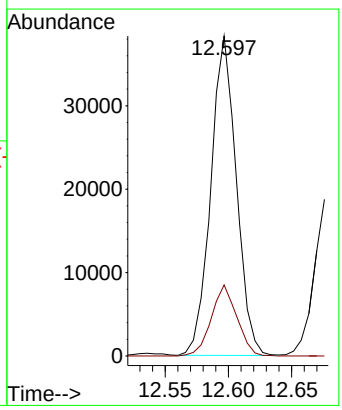


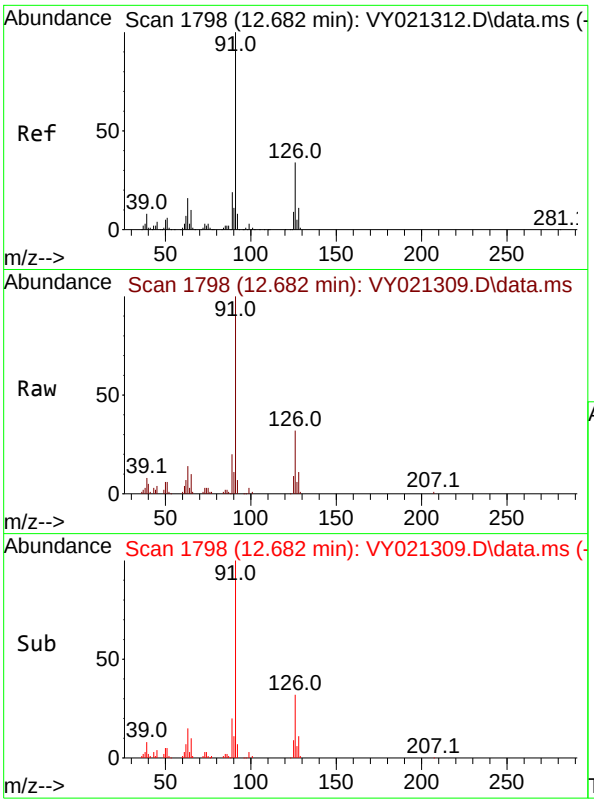


#78
n-propylbenzene
Concen: 4.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 53794

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5

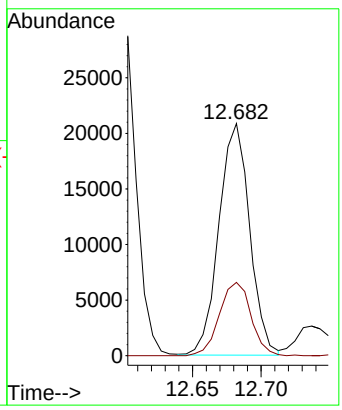




#79
2-Chlorotoluene
Concen: 5.235 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3252

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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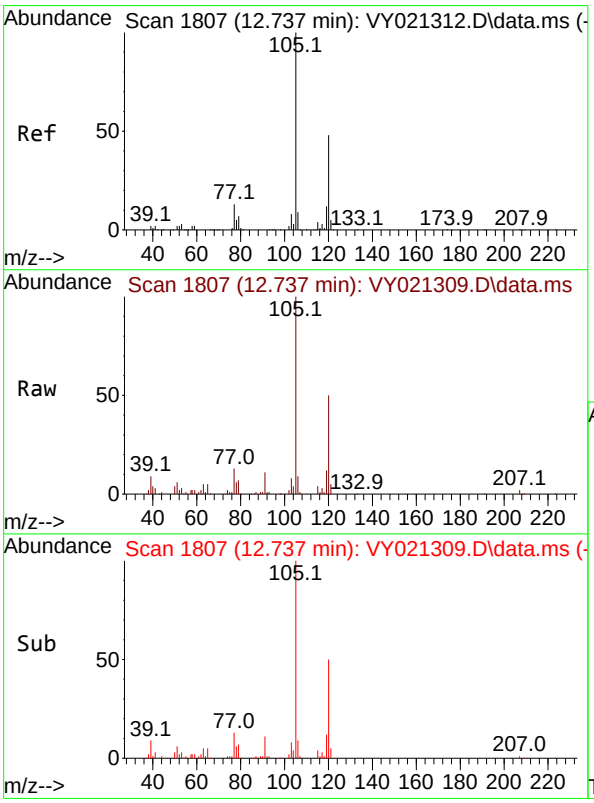
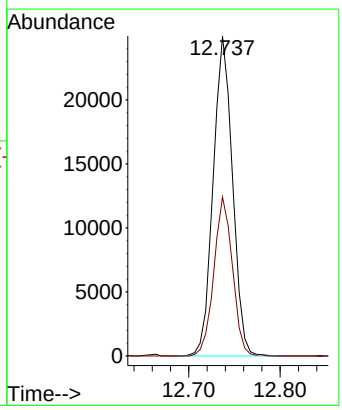
Supervised By :Mahesh Dadoda 02/26/2025

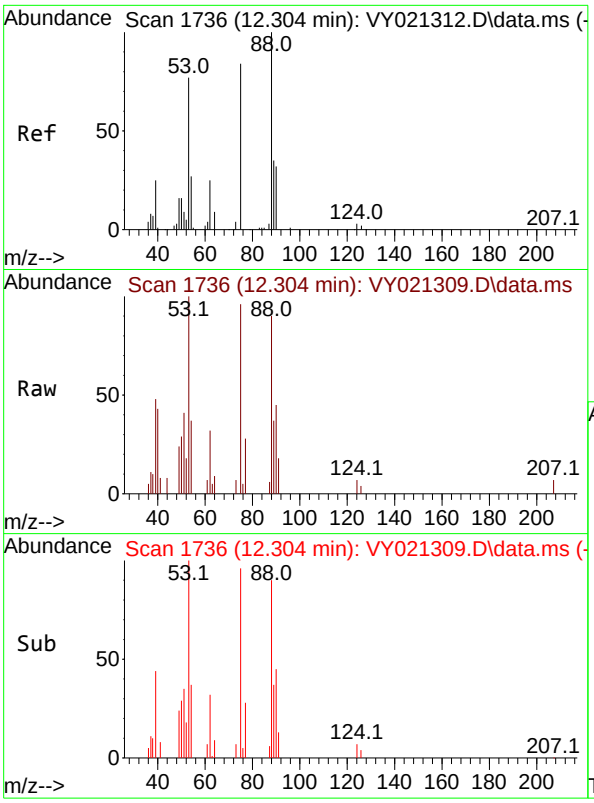


#80
1,3,5-Trimethylbenzene
Concen: 5.014 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 36696

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 249

Ion	Ratio	Lower	Upper
75	100		
53	100.8	79.1	118.7
89	41.2	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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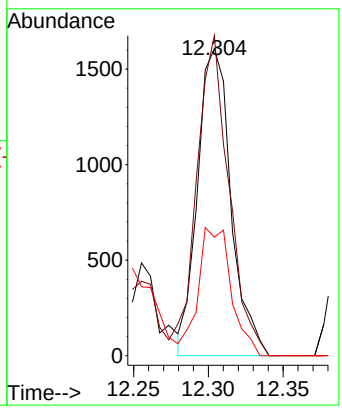
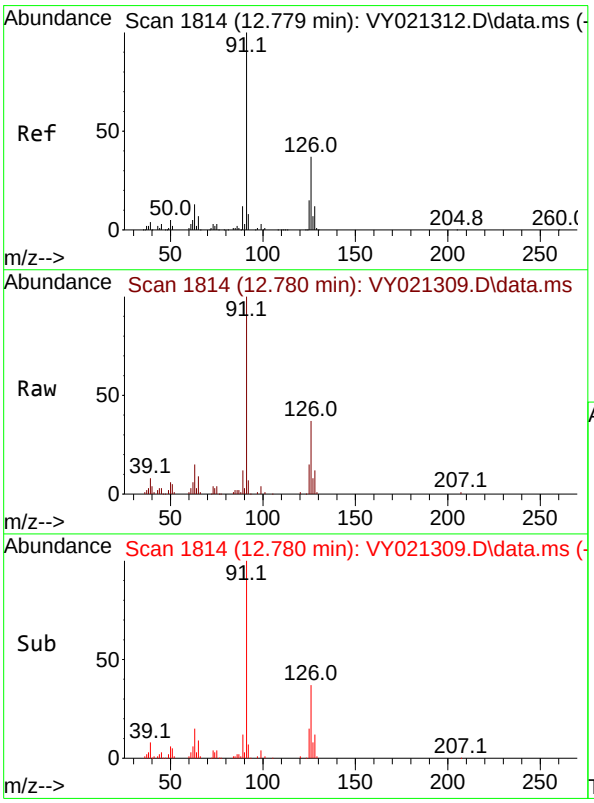
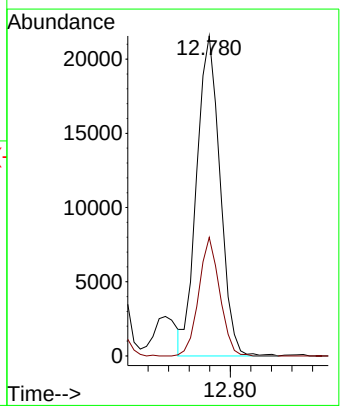


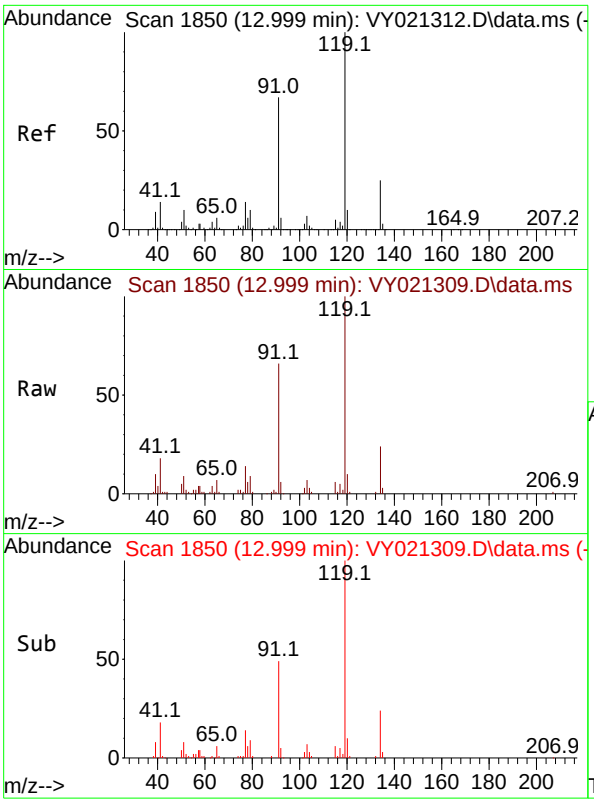


#82
4-Chlorotoluene
Concen: 5.290 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 34079

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.8	50.4

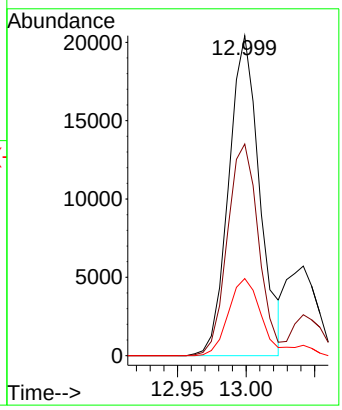




#83
tert-Butylbenzene
Concen: 4.852 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 3207

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.0	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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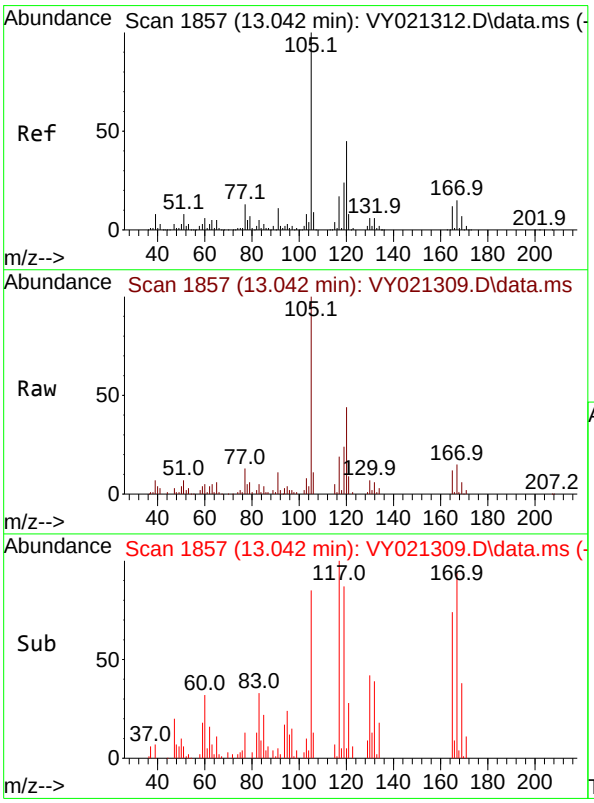
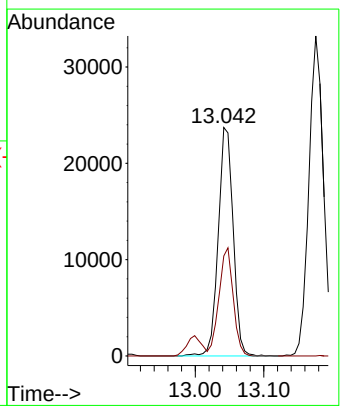
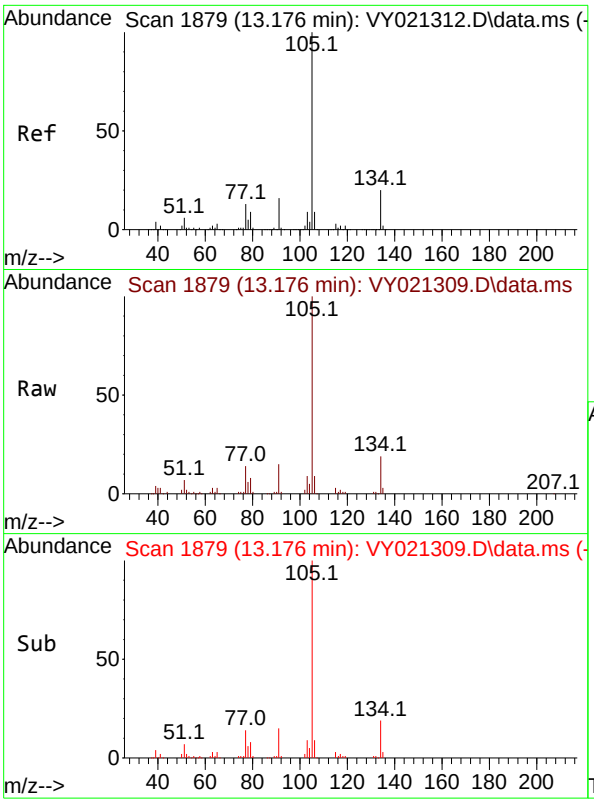


#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 35772

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3

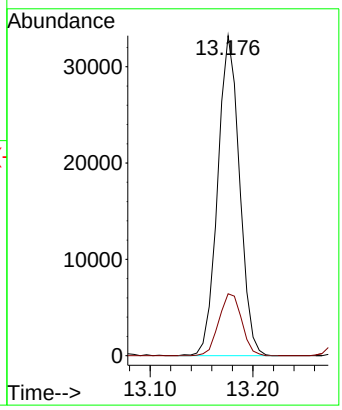




#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4897

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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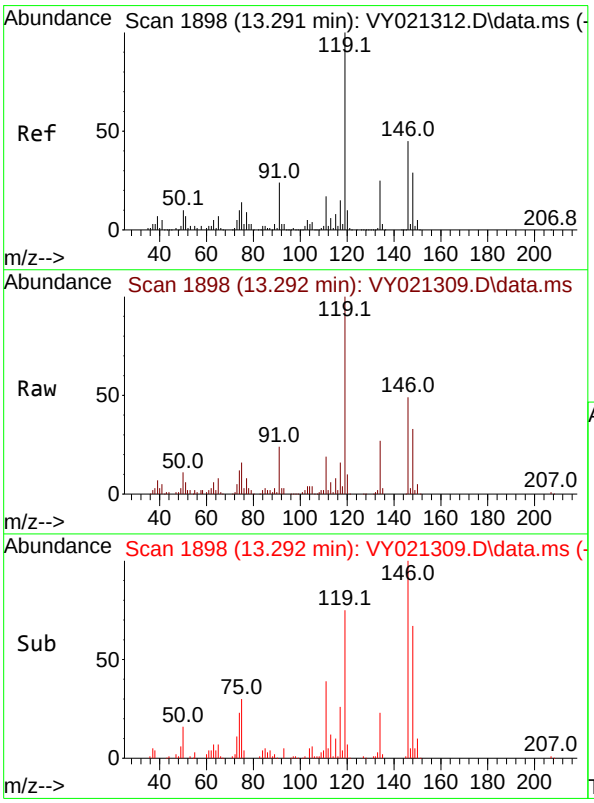
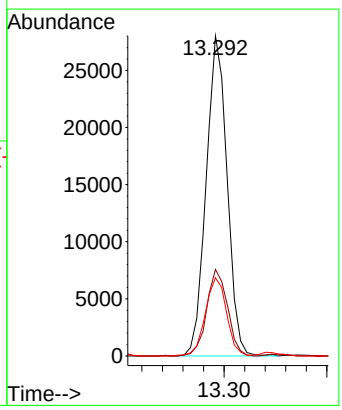
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

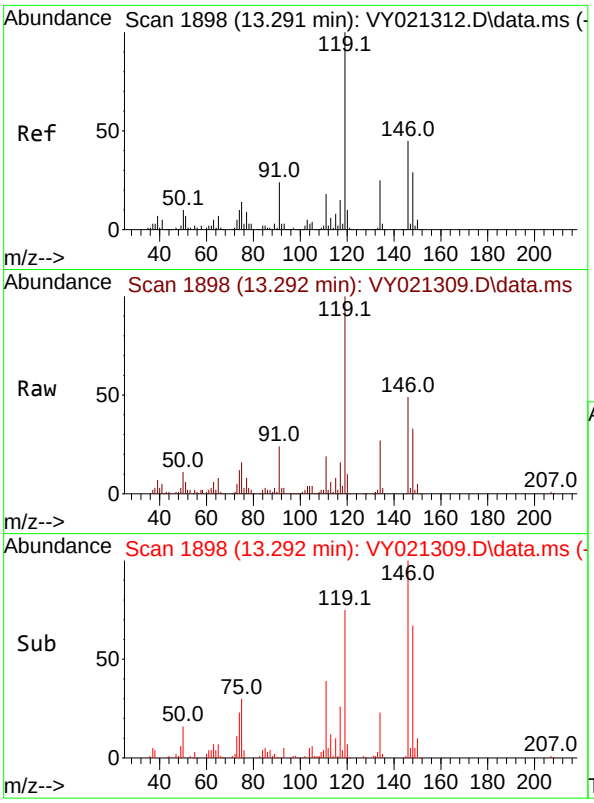


#86
p-Isopropyltoluene
Concen: 4.916 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 39637

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.8	12.0	36.1

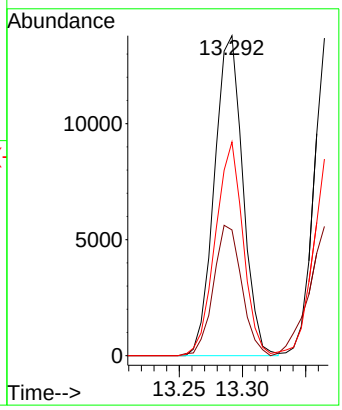




#87
1,3-Dichlorobenzene
Concen: 5.239 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 2151

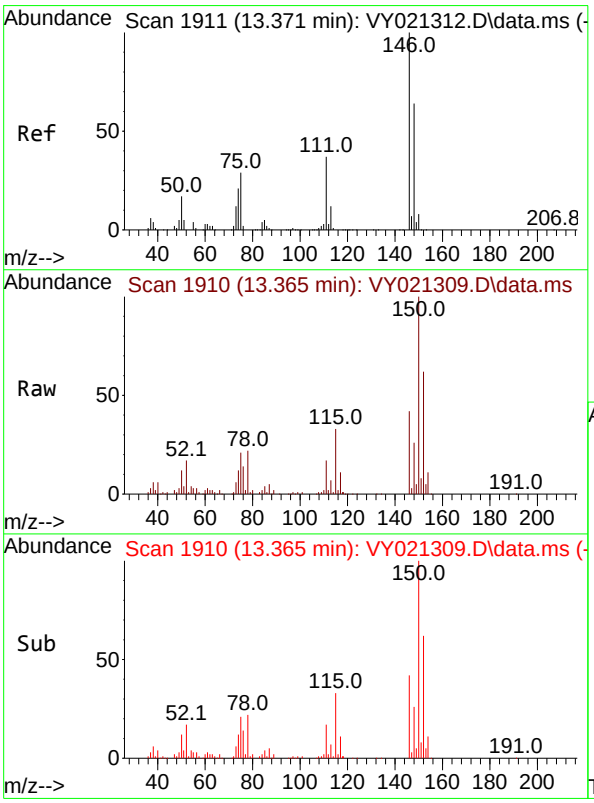
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	65.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

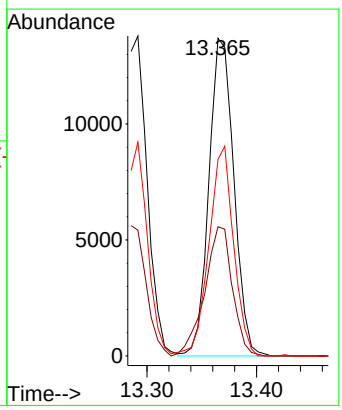
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

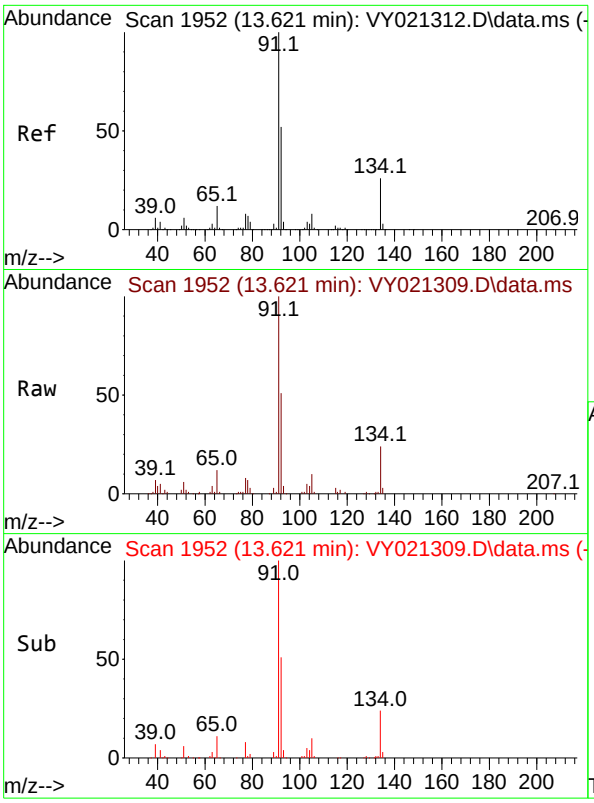


#88
1,4-Dichlorobenzene
Concen: 5.341 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 21663

Ion	Ratio	Lower	Upper
146	100		
111	45.2	19.5	58.5
148	65.3	32.0	96.2

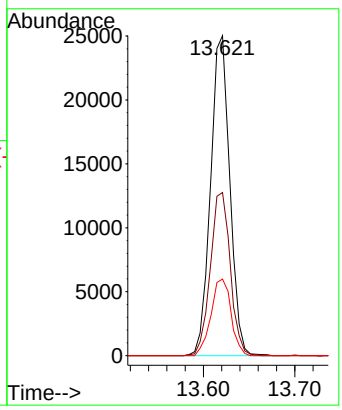




#89
n-Butylbenzene
Concen: 4.815 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3653

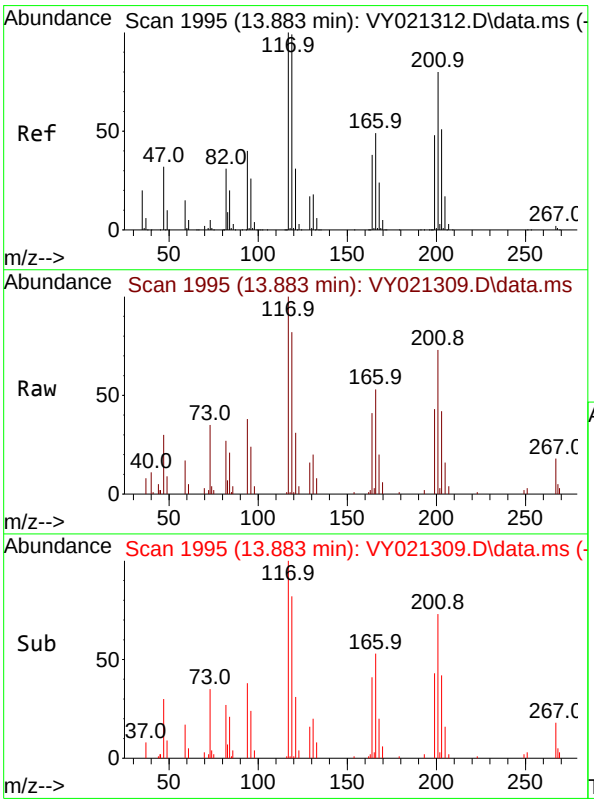
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.0	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

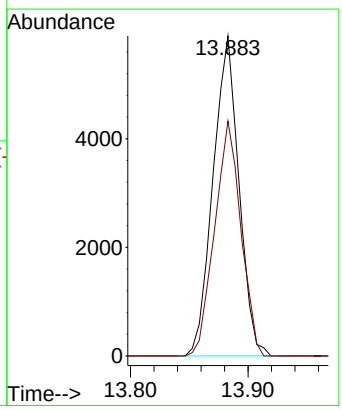
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

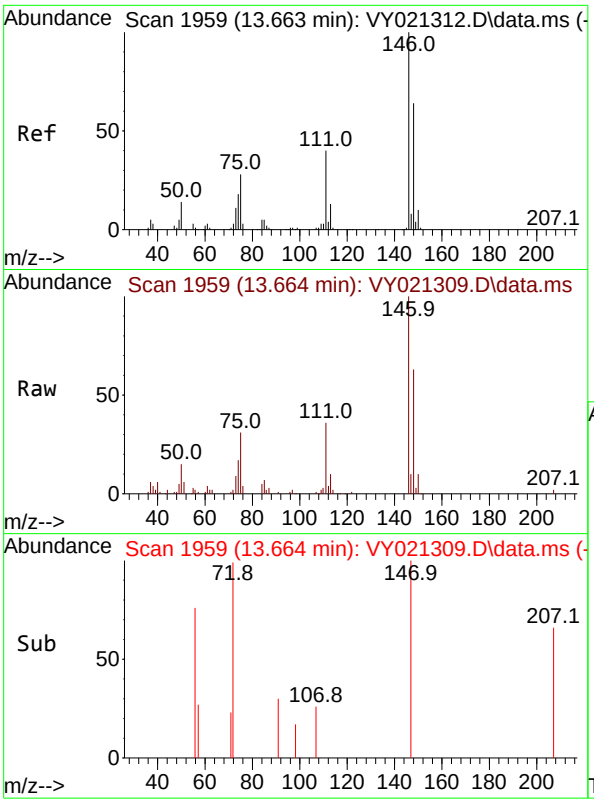


#90
Hexachloroethane
Concen: 5.351 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 9013

Ion	Ratio	Lower	Upper
117	100		
201	74.3	38.4	115.2

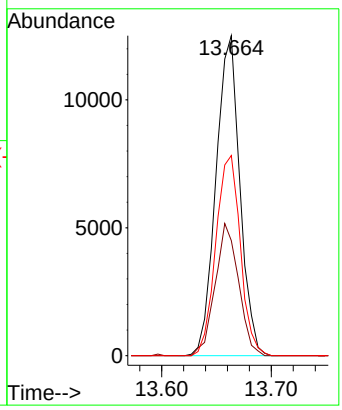




#91
1,2-Dichlorobenzene
Concen: 5.278 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 1898

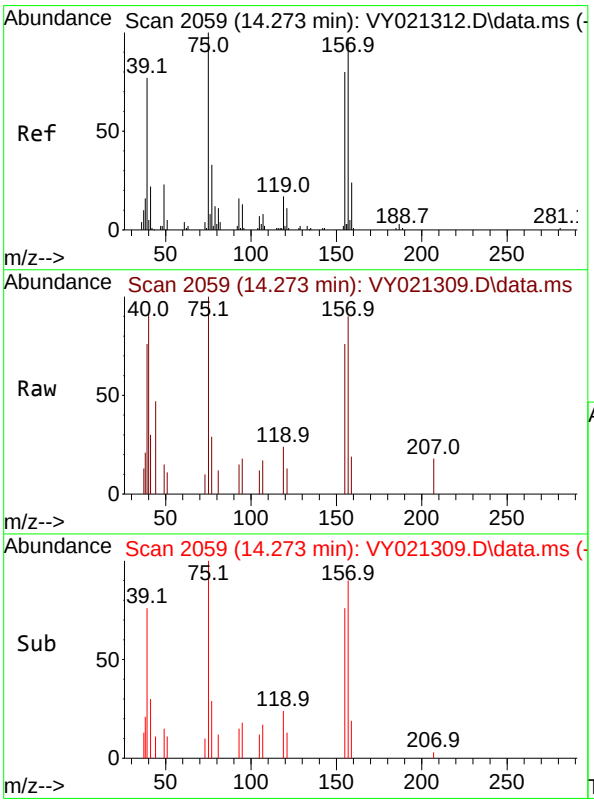
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.2	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

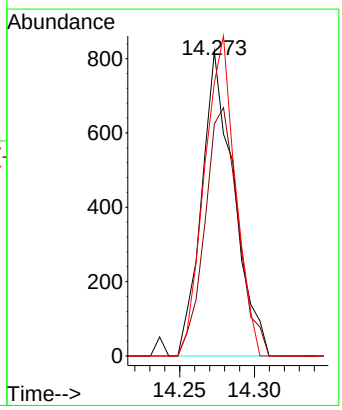
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

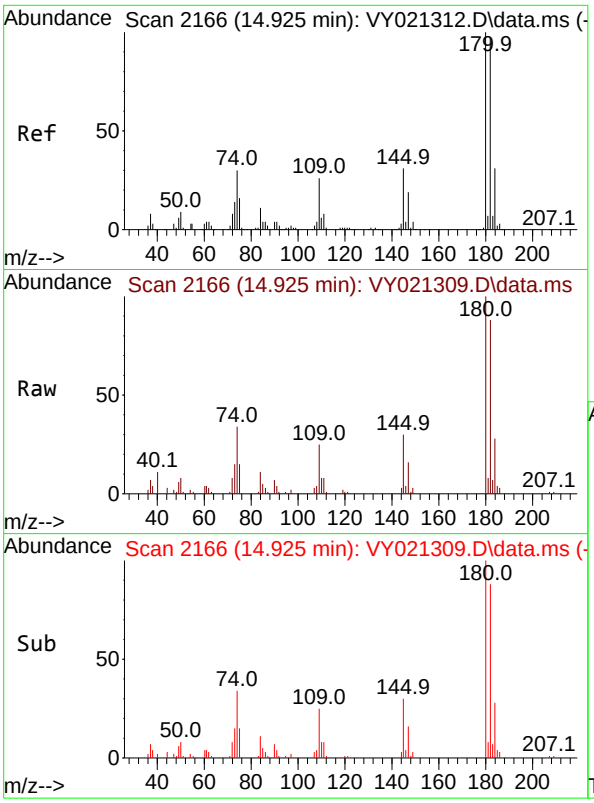


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.925 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1227

Ion	Ratio	Lower	Upper
75	100		
155	84.4	41.9	125.6
157	100.9	52.5	157.6

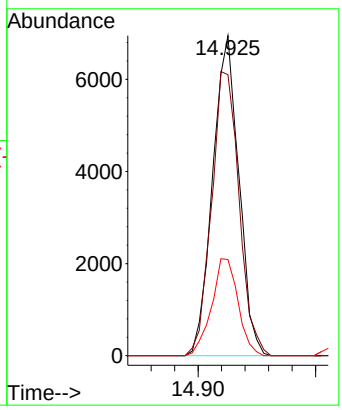




#93
1,2,4-Trichlorobenzene
Concen: 4.901 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 1075

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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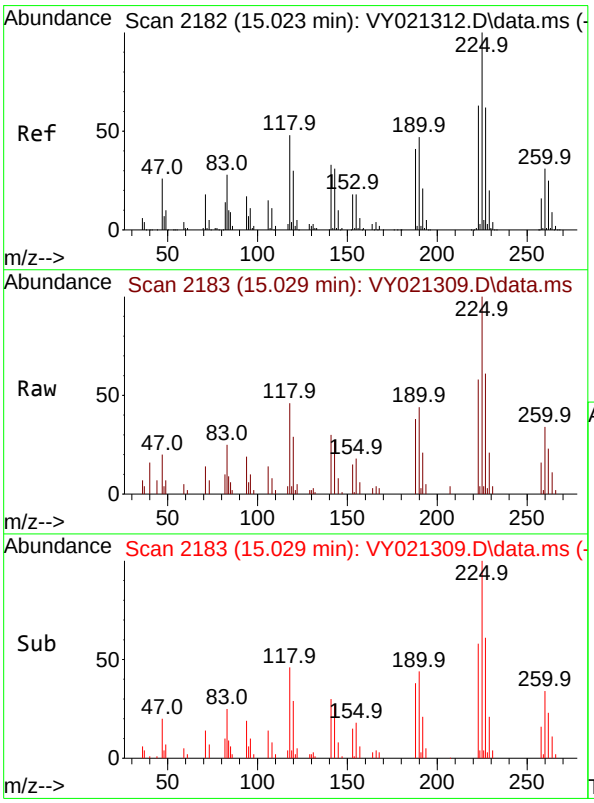
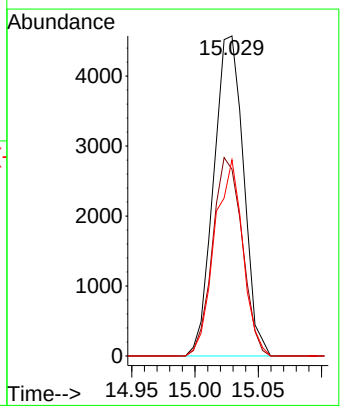
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

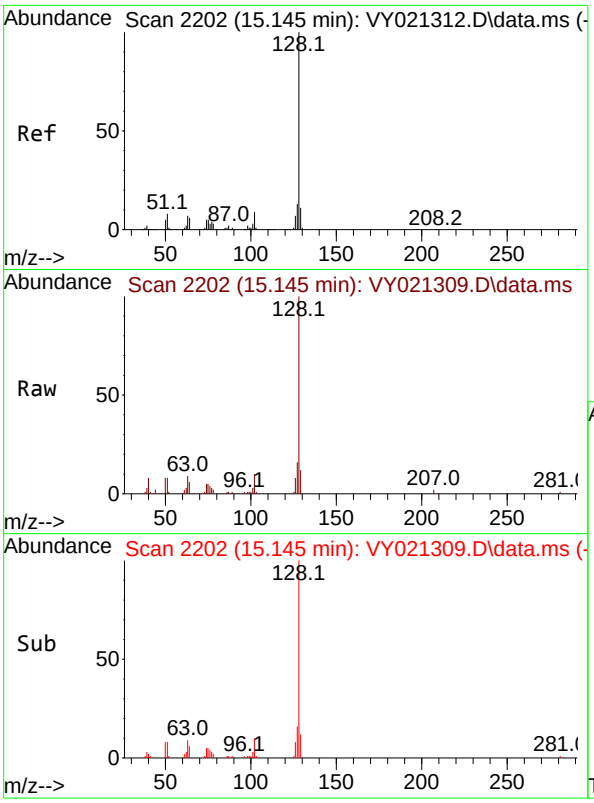


#94
Hexachlorobutadiene
Concen: 5.434 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:225 Resp: 7510

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.8	95.4
227	58.3	31.9	95.7

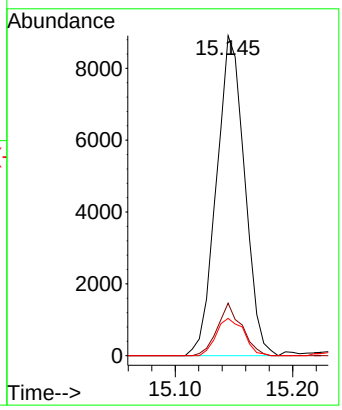




#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:128 Resp: 1482

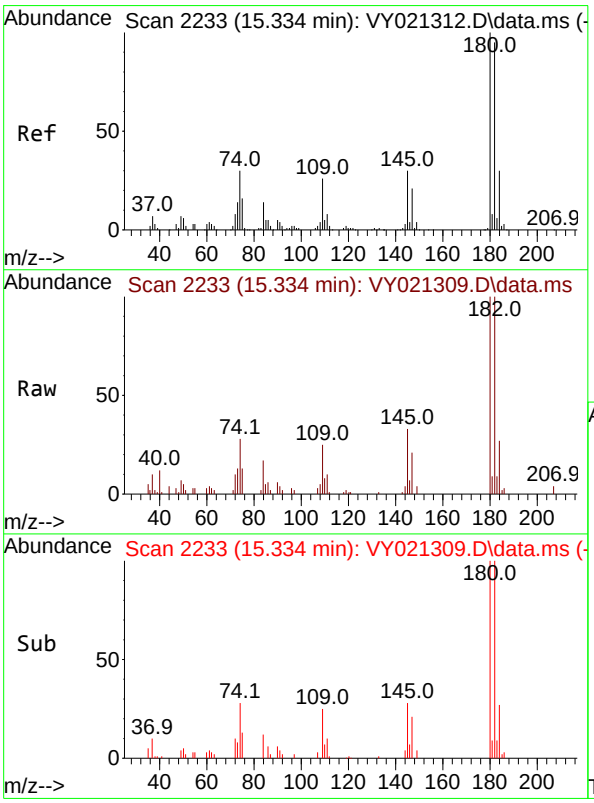
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

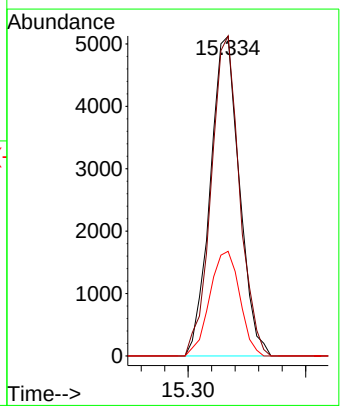
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.746 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 8804

Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.3	144.9
145	33.8	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	185658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18938	8.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 17.980%#			
35) Dibromofluoromethane	7.634	113	17267	9.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 18.220%#			
50) Toluene-d8	10.103	98	66979	9.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 18.280%#			
62) 4-Bromofluorobenzene	12.408	95	22364	9.069	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 18.140%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	17969	10.208	ug/l	99
3) Chloromethane	2.068	50	23321	10.259	ug/l	96
4) Vinyl Chloride	2.202	62	21933	9.830	ug/l	99
5) Bromomethane	2.592	94	15371	10.366	ug/l	92
6) Chloroethane	2.732	64	13561	9.801	ug/l	96
7) Trichlorofluoromethane	3.056	101	33977	10.083	ug/l	96
8) Diethyl Ether	3.452	74	9792	9.682	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	19660	10.077	ug/l	99
10) Methyl Iodide	4.001	142	17573	8.562	ug/l	99
11) Tert butyl alcohol	4.854	59	8754	54.037	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	18141	9.711	ug/l	87
13) Acrolein	3.647	56	10715	86.313	ug/l	97
14) Allyl chloride	4.385	41	31462	9.499	ug/l	98
15) Acrylonitrile	5.061	53	21273	47.572	ug/l	98
16) Acetone	3.866	43	19023	47.086	ug/l	92
17) Carbon Disulfide	4.104	76	61336	9.888	ug/l	100
18) Methyl Acetate	4.379	43	9259	9.378	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	47090	9.541	ug/l	98
20) Methylene Chloride	4.610	84	22192	10.158	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	19921	9.687	ug/l	94
22) Diisopropyl ether	6.012	45	66598	9.717	ug/l	93
23) Vinyl Acetate	5.957	43	193291	47.195	ug/l	99
24) 1,1-Dichloroethane	5.909	63	38311	9.918	ug/l	98
25) 2-Butanone	6.896	43	28711	47.087	ug/l	99
26) 2,2-Dichloropropane	6.884	77	34859	9.945	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	22663	9.651	ug/l	99
28) Bromochloromethane	7.244	49	16417	9.605	ug/l	100
29) Tetrahydrofuran	7.262	42	18625	46.731	ug/l	99
30) Chloroform	7.415	83	38838	9.922	ug/l	97
31) Cyclohexane	7.701	56	38072	10.253	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	35489	9.961	ug/l	99
36) 1,1-Dichloropropene	7.829	75	28171	9.892	ug/l	99
37) Ethyl Acetate	6.982	43	14219	10.038	ug/l	98
38) Carbon Tetrachloride	7.811	117	32494	10.149	ug/l	96
39) Methylcyclohexane	9.103	83	35431	9.837	ug/l	95
40) Benzene	8.079	78	83594	9.930	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	6845	8.642	ug/l		92
42) 1,2-Dichloroethane	8.158	62	24091	10.087	ug/l		99
43) Isopropyl Acetate	8.195	43	25874	9.436	ug/l		99
44) Trichloroethene	8.859	130	20823	9.880	ug/l		97
45) 1,2-Dichloropropane	9.140	63	20214	9.978	ug/l		98
46) Dibromomethane	9.231	93	10902	9.845	ug/l		99
47) Bromodichloromethane	9.420	83	29114	9.860	ug/l		97
48) Methyl methacrylate	9.219	41	11652	9.088	ug/l		96
49) 1,4-Dioxane	9.225	88	2309	187.520	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	65698	46.808	ug/l		99
52) Toluene	10.170	92	51371	9.823	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	25218	9.322	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	30428	9.528	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	14509	10.057	ug/l		96
56) Ethyl methacrylate	10.438	69	17817	8.938	ug/l		96
57) 1,3-Dichloropropane	10.713	76	24769	9.784	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	42304	44.215	ug/l		100
59) 2-Hexanone	10.755	43	42123	45.697	ug/l		99
60) Dibromochloromethane	10.908	129	18793	9.565	ug/l		96
61) 1,2-Dibromoethane	11.011	107	13351	9.775	ug/l		98
64) Tetrachloroethene	10.646	164	19065	10.064	ug/l		97
65) Chlorobenzene	11.438	112	55689	9.899	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	20089	10.198	ug/l		98
67) Ethyl Benzene	11.517	91	97299	9.764	ug/l		99
68) m/p-Xylenes	11.627	106	73991	19.740	ug/l		99
69) o-Xylene	11.950	106	33822	9.632	ug/l		99
70) Styrene	11.969	104	56550	9.679	ug/l		99
71) Bromoform	12.133	173	11067	9.820	ug/l	#	100
73) Isopropylbenzene	12.255	105	90221	9.590	ug/l		100
74) N-amyl acetate	12.066	43	21370	8.937	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	16246	9.785	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	13699m	10.871	ug/l		
77) Bromobenzene	12.529	156	21097	9.641	ug/l		99
78) n-propylbenzene	12.597	91	110190	9.652	ug/l		99
79) 2-Chlorotoluene	12.682	91	64018	9.771	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	74498	9.655	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	5238	9.295	ug/l		96
82) 4-Chlorotoluene	12.773	91	66701	9.821	ug/l		100
83) tert-Butylbenzene	12.999	119	68905	9.886	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	74032	9.647	ug/l		99
85) sec-Butylbenzene	13.176	105	100189	9.841	ug/l		99
86) p-Isopropyltoluene	13.292	119	81769	9.619	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	43267	9.996	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	42788	10.006	ug/l		98
89) n-Butylbenzene	13.615	91	76325	9.541	ug/l		99
90) Hexachloroethane	13.877	117	17261	9.721	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	37522	9.894	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2424	9.229	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	21234	9.174	ug/l		97
94) Hexachlorobutadiene	15.023	225	14346	9.845	ug/l		99
95) Naphthalene	15.145	128	32094	8.371	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	17983	9.195	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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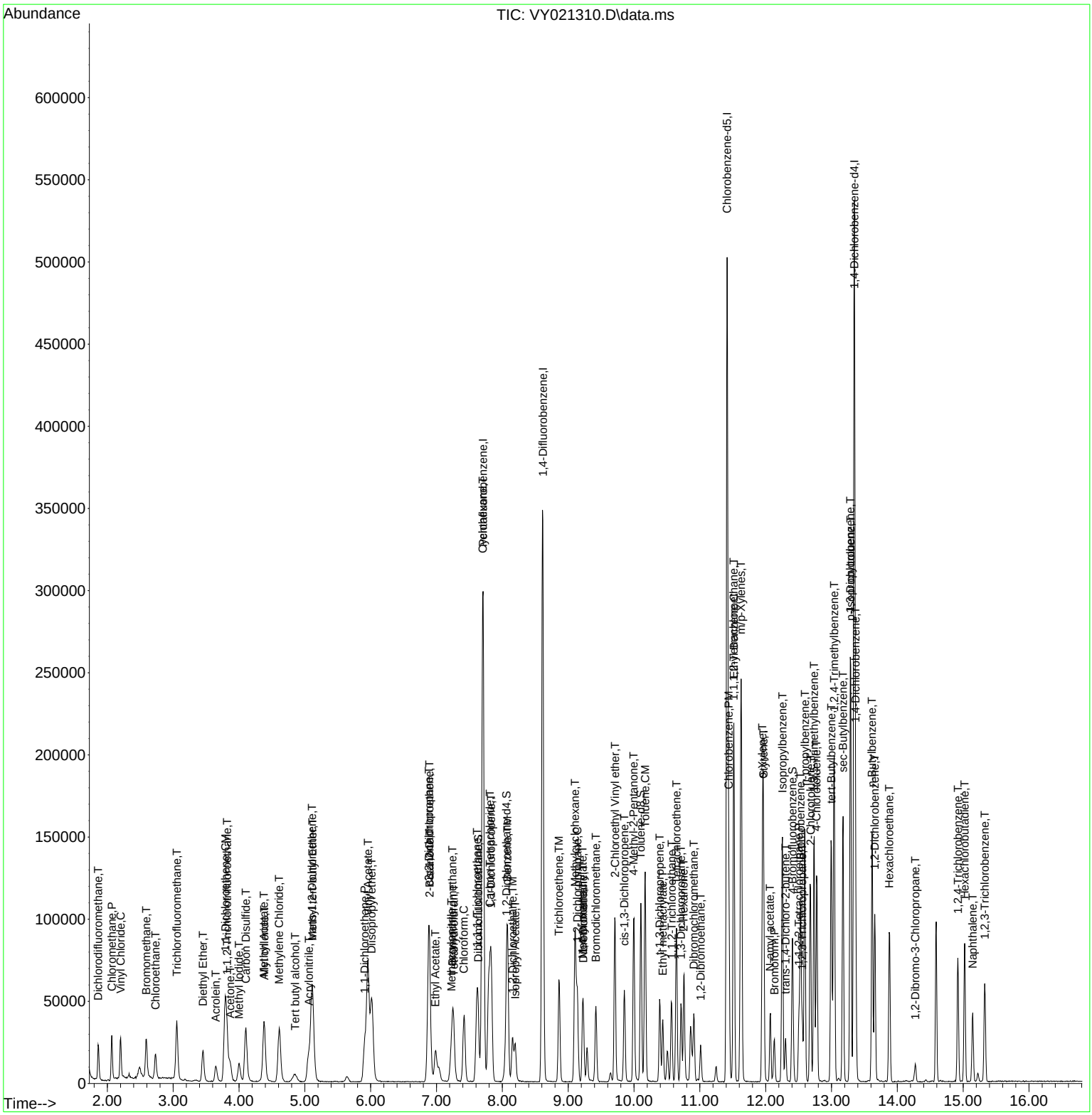
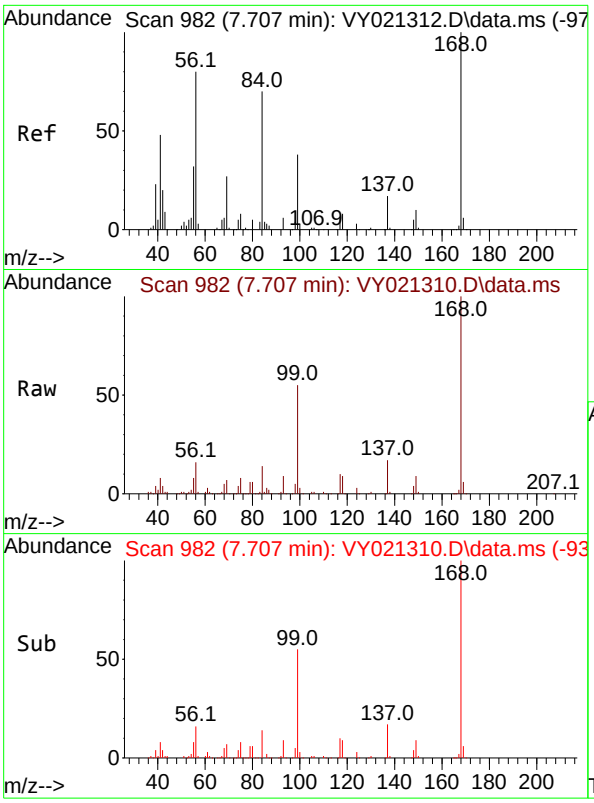
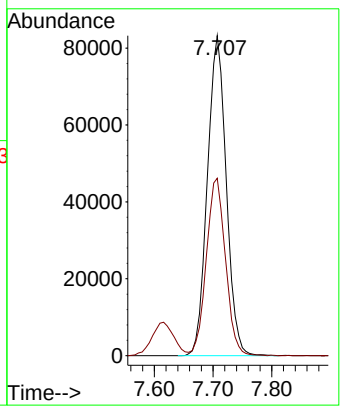




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:168 Resp: 18565

Ion	Ratio	Lower	Upper
168	100		
99	55.4	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
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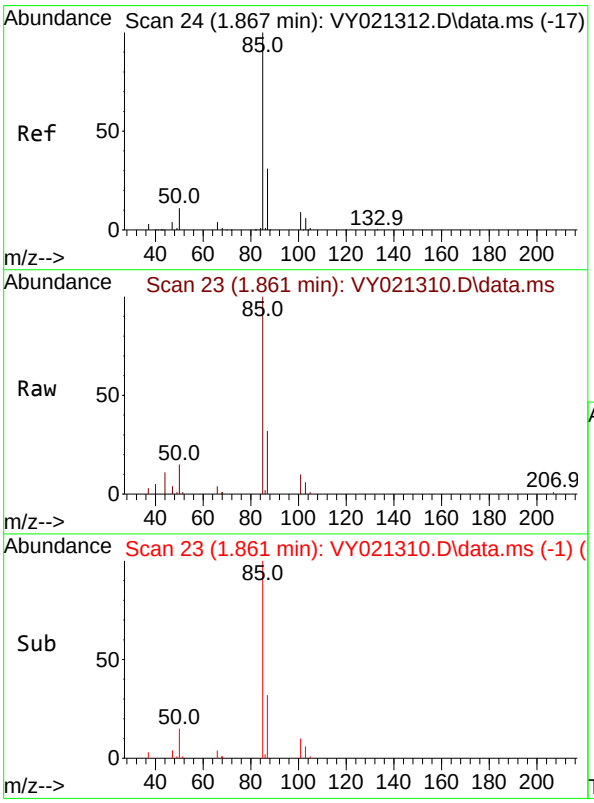
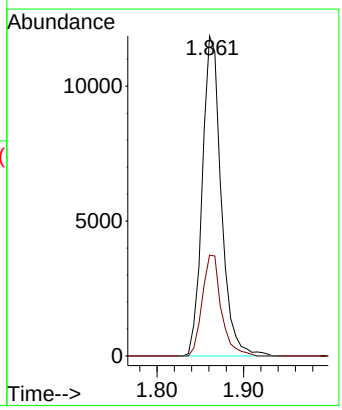
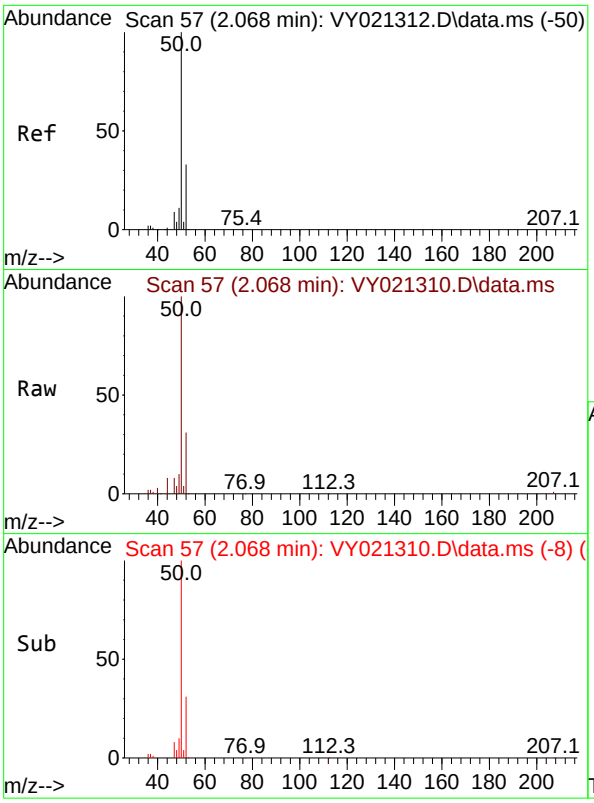


#2
Dichlorodifluoromethane
Concen: 10.208 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 85 Resp: 17969

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4

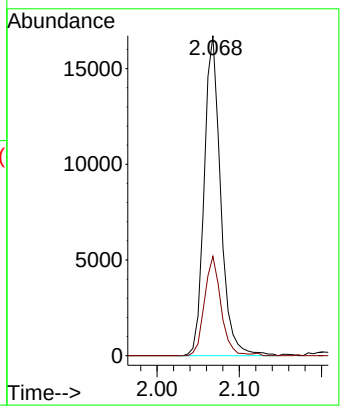




#3
Chloromethane
Concen: 10.259 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 50 Resp: 2332

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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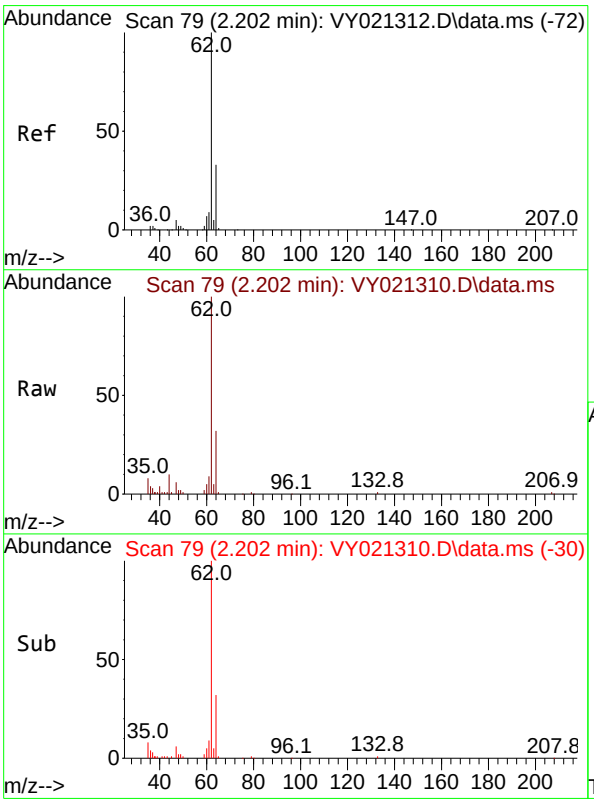
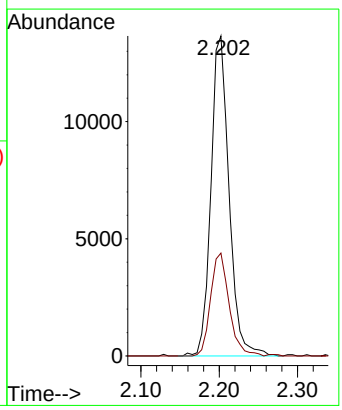
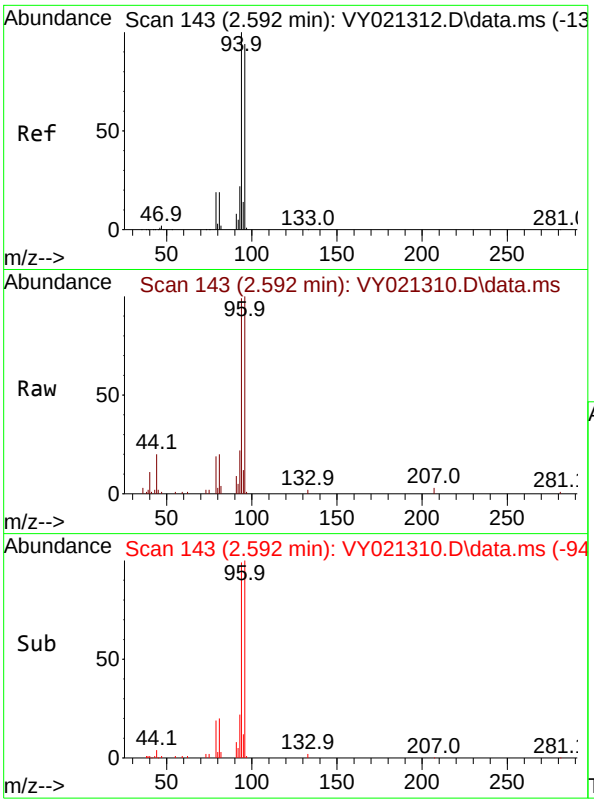


#4
Vinyl Chloride
Concen: 9.830 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 21933

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.3	39.5





#5
Bromomethane
Concen: 10.366 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 94 Resp: 1537

Ion	Ratio	Lower	Upper
94	100		
96	101.5	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 02/26/2025
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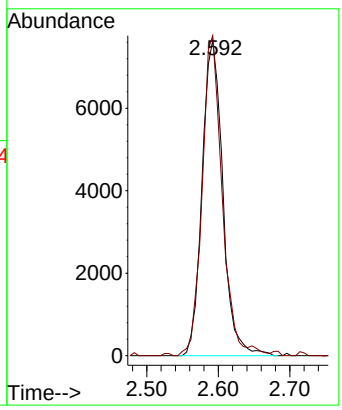
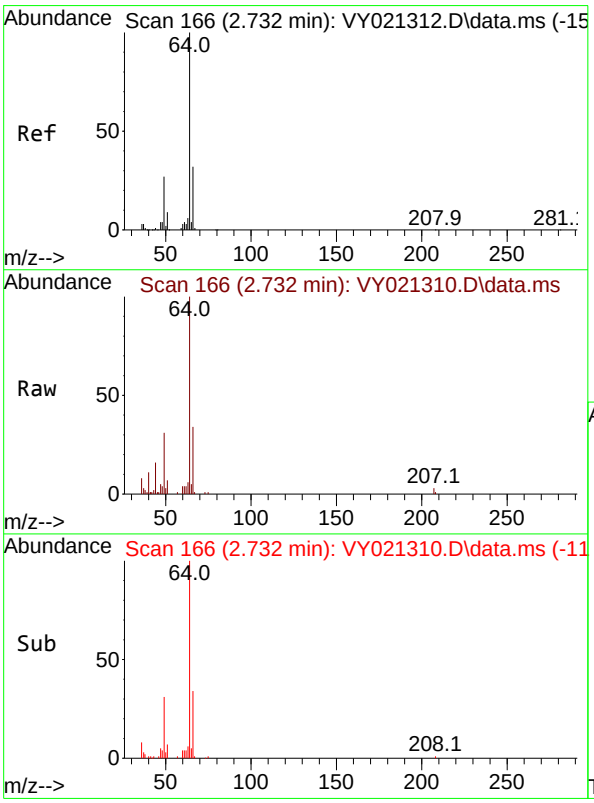
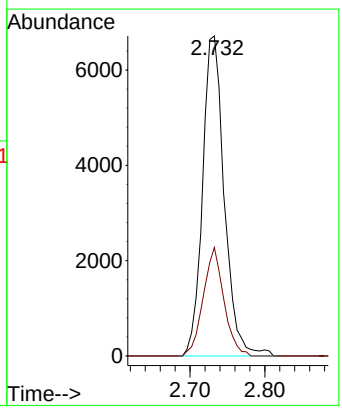


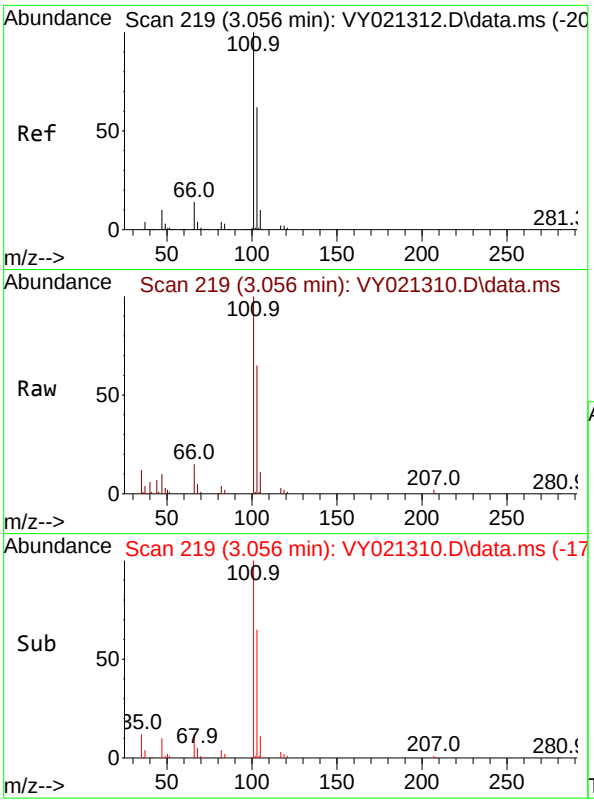


#6
Chloroethane
Concen: 9.801 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 64 Resp: 13561

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.4	38.0

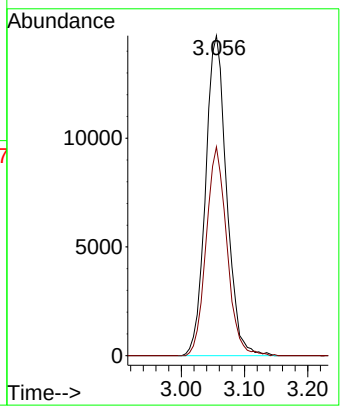




#7
Trichlorofluoromethane
Concen: 10.083 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 3397

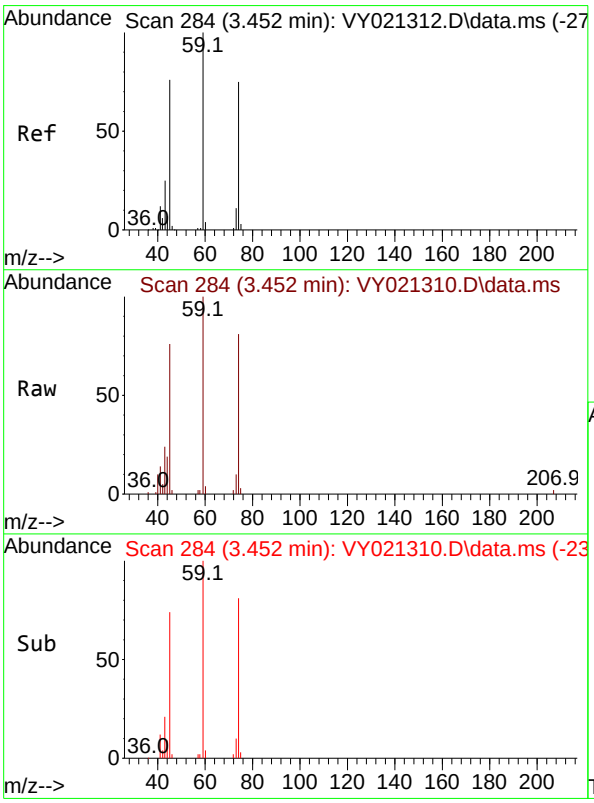
Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

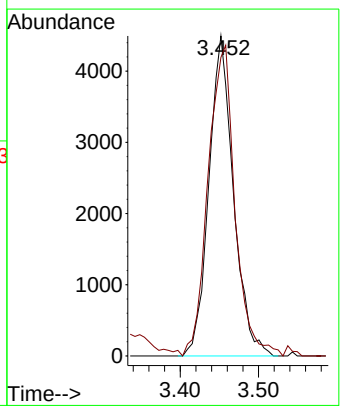
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

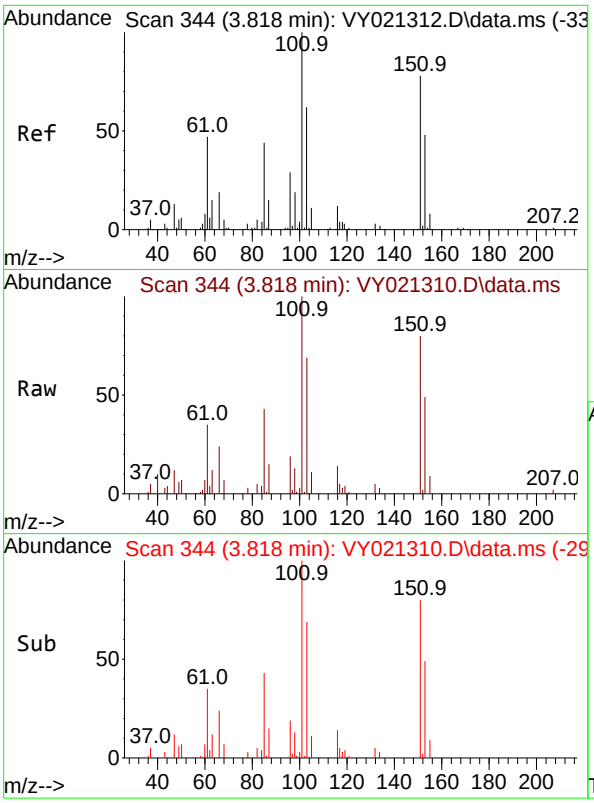


#8
Diethyl Ether
Concen: 9.682 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 74 Resp: 9792

Ion	Ratio	Lower	Upper
74	100		
45	106.0	50.3	150.9

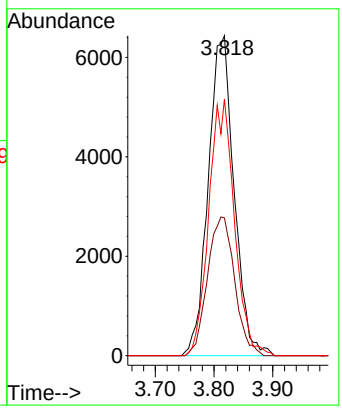




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.077 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 1966

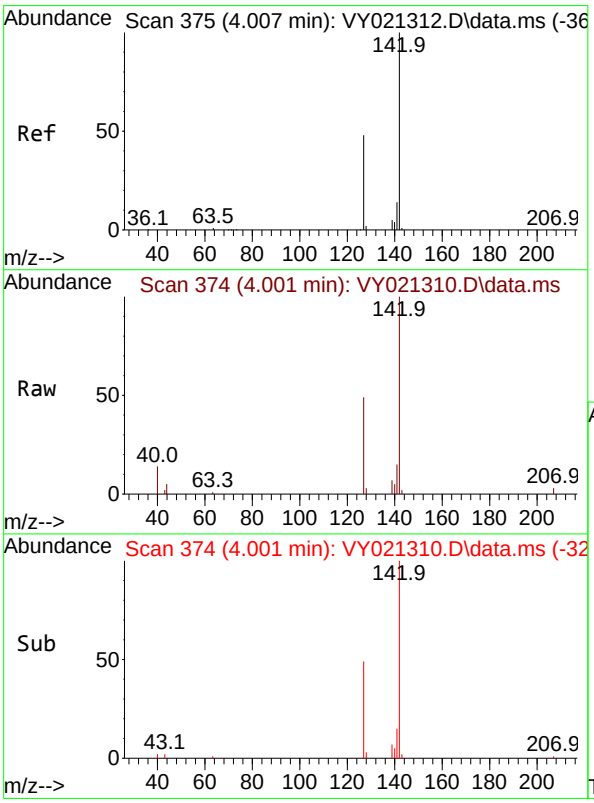
Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.7	55.1
151	79.5	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

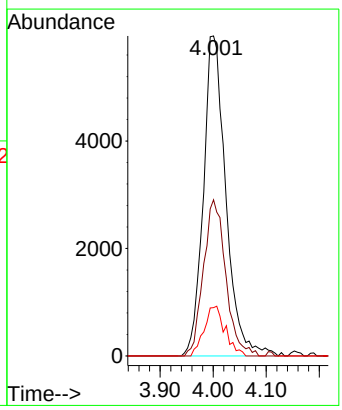
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

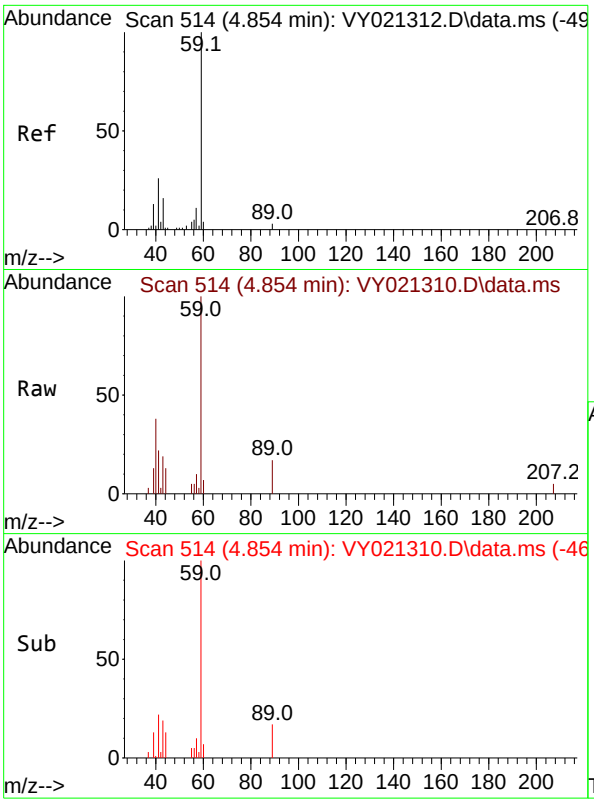


#10
Methyl Iodide
Concen: 8.562 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:142 Resp: 17573

Ion	Ratio	Lower	Upper
142	100		
127	48.3	39.2	58.8
141	14.5	11.4	17.2





#11
Tert butyl alcohol
Concen: 54.037 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 59 Resp: 875

Ion	Ratio	Lower	Upper
59	100		
57	3.1	8.3	12.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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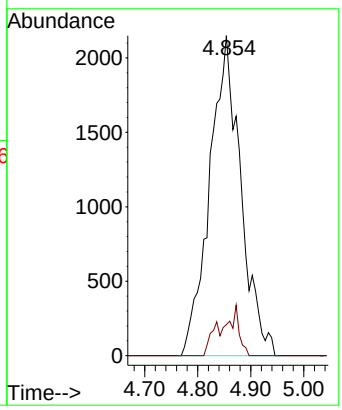
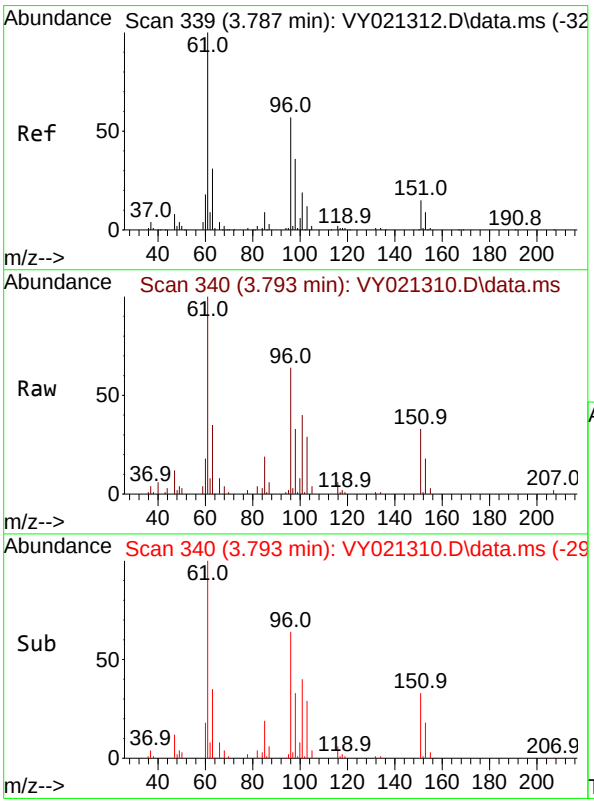
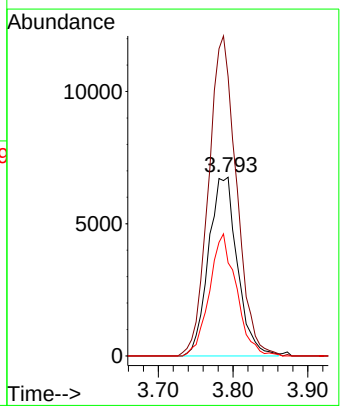


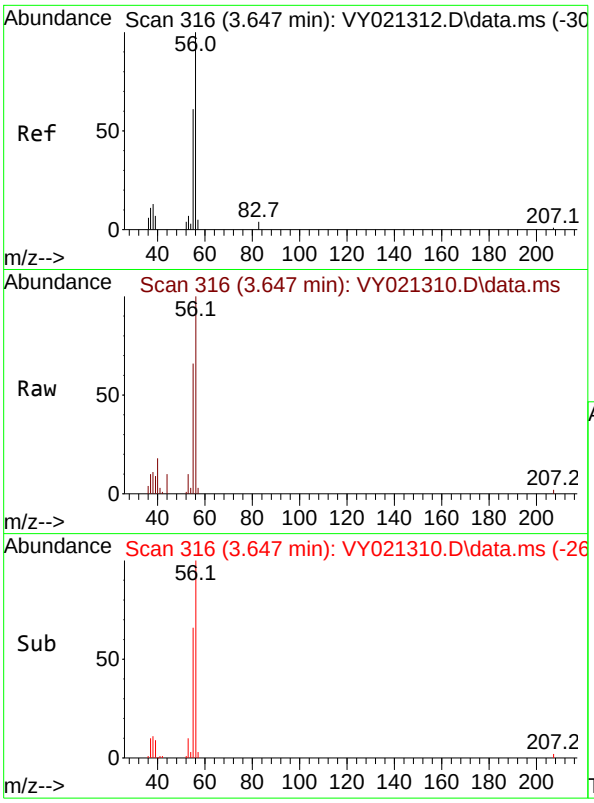


#12
1,1-Dichloroethene
Concen: 9.711 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 18141

Ion	Ratio	Lower	Upper
96	100		
61	156.3	139.7	209.5
98	52.1	49.7	74.5

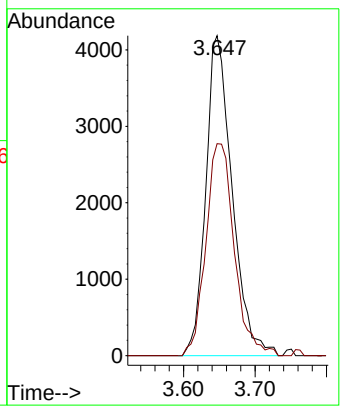




#13
Acrolein
Concen: 86.313 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 1071

Ion	Ratio	Lower	Upper
56	100		
55	71.4	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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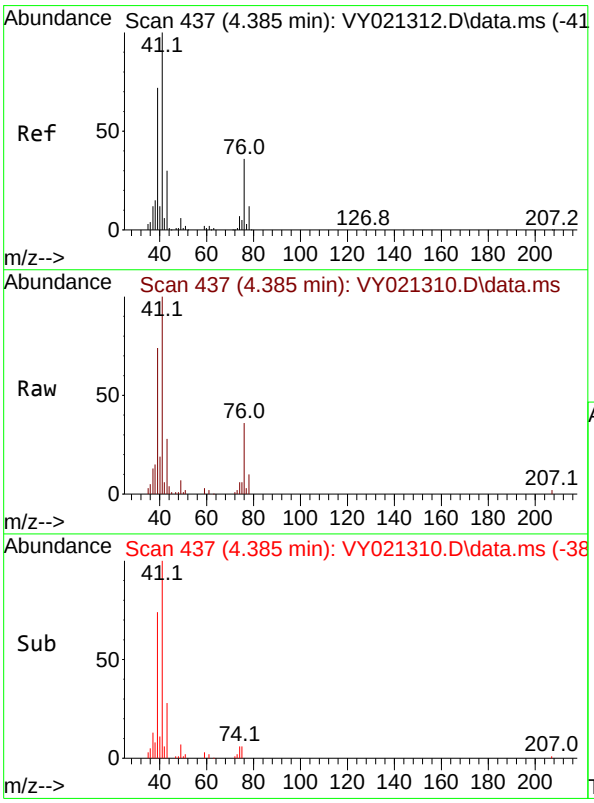
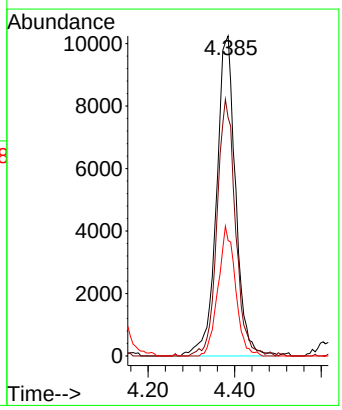
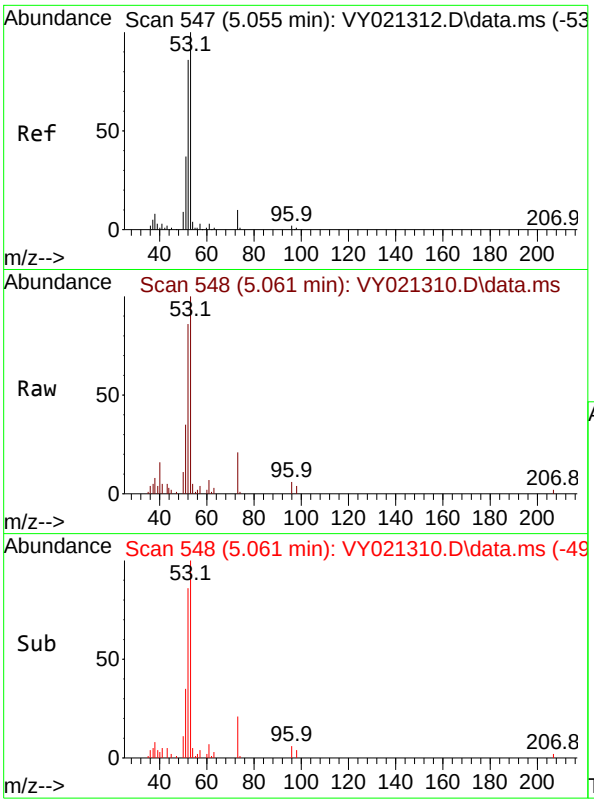


#14
Allyl chloride
Concen: 9.499 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 31462

Ion	Ratio	Lower	Upper
41	100		
39	77.2	60.0	90.0
76	36.9	29.0	43.6

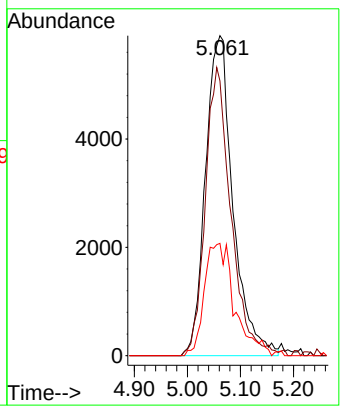




#15
Acrylonitrile
Concen: 47.572 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 53 Resp: 2127

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.5	98.3
51	38.5	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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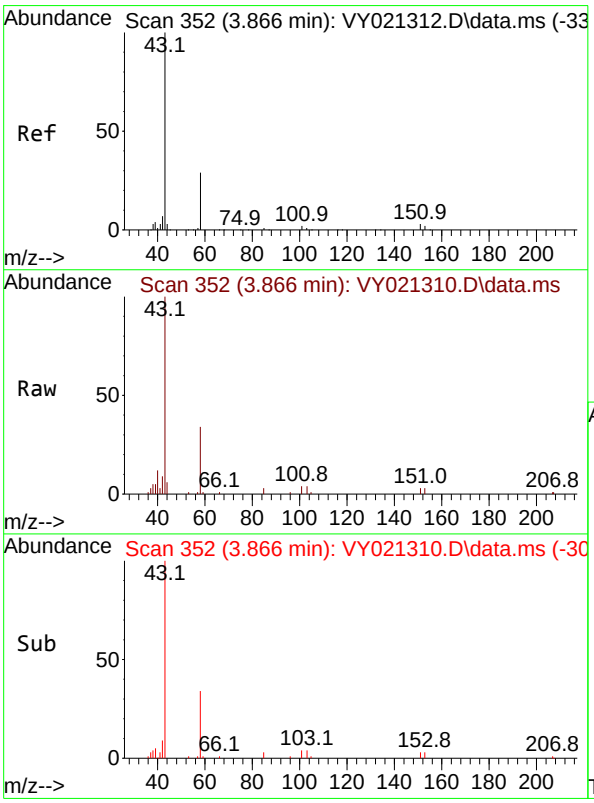
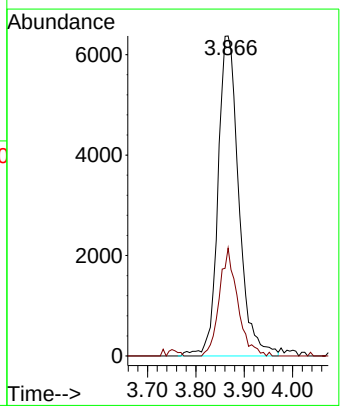
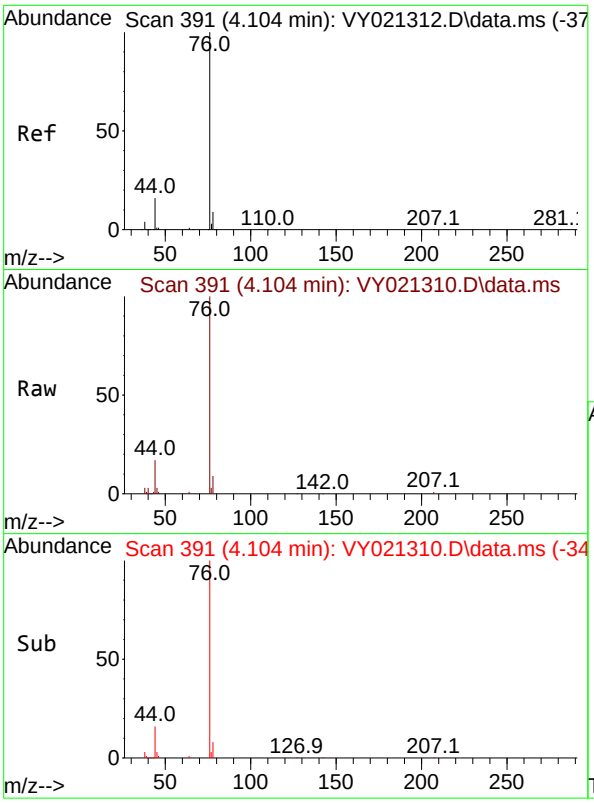


#16
Acetone
Concen: 47.086 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19023

Ion	Ratio	Lower	Upper
43	100		
58	33.7	23.5	35.3





#17
Carbon Disulfide
Concen: 9.888 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

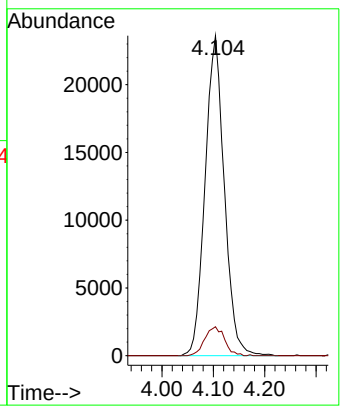
Tgt Ion: 76 Resp: 6133

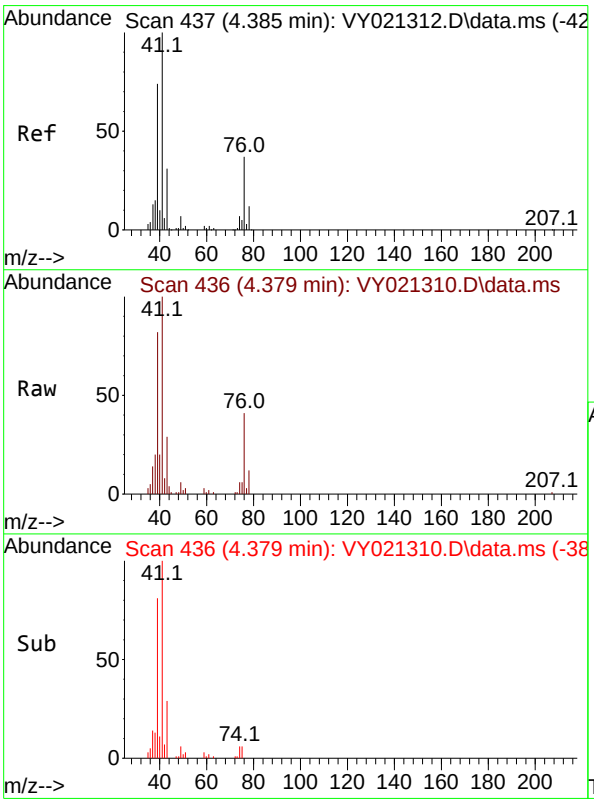
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

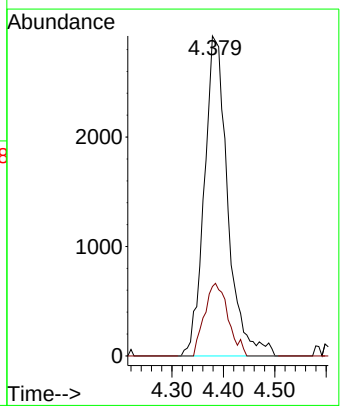


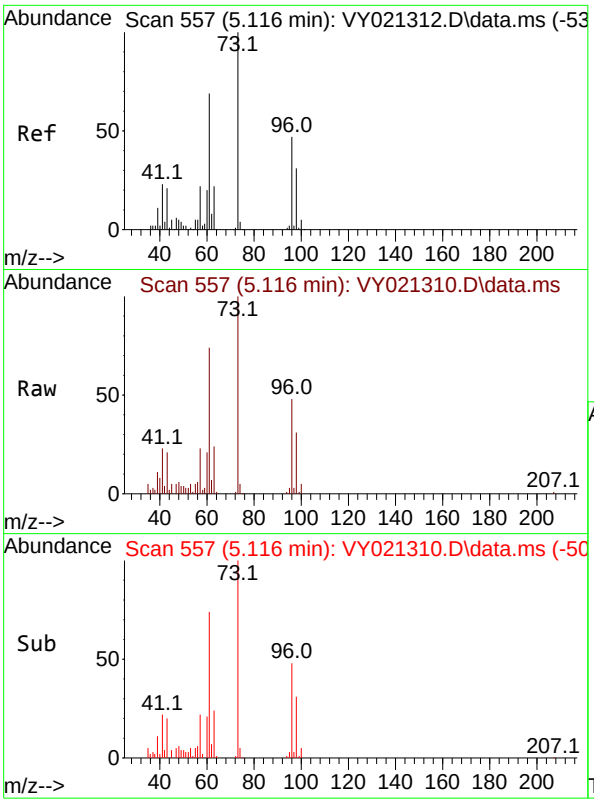


#18
Methyl Acetate
Concen: 9.378 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 9259

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5

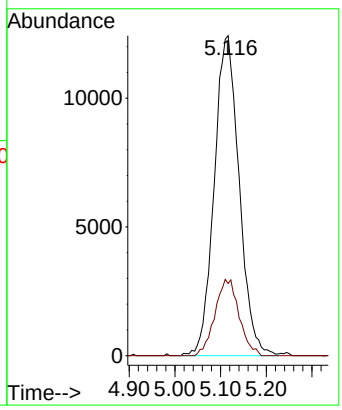




#19
Methyl tert-butyl Ether
Concen: 9.541 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 73 Resp: 4709

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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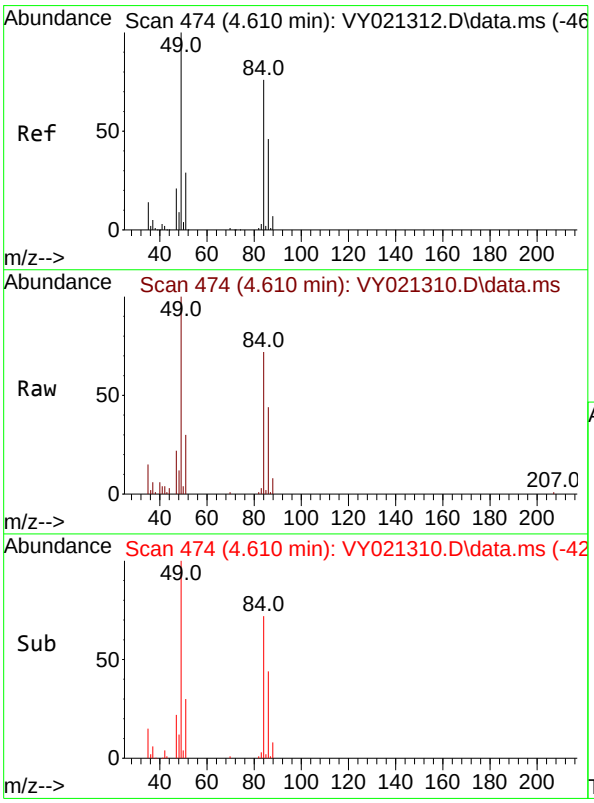
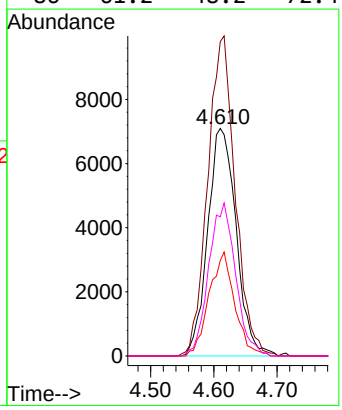
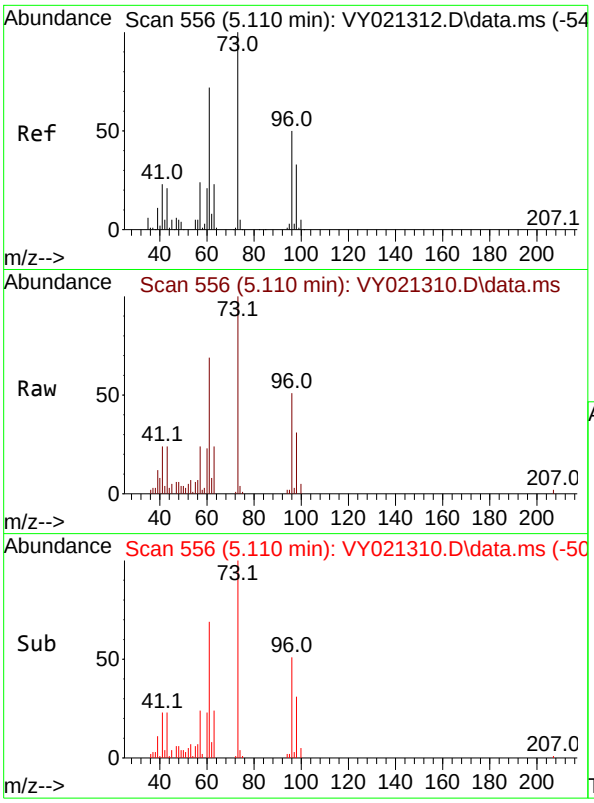


#20
Methylene Chloride
Concen: 10.158 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 84 Resp: 22192

Ion	Ratio	Lower	Upper
84	100		
49	138.2	105.1	157.7
51	41.9	31.0	46.4
86	61.2	48.2	72.4

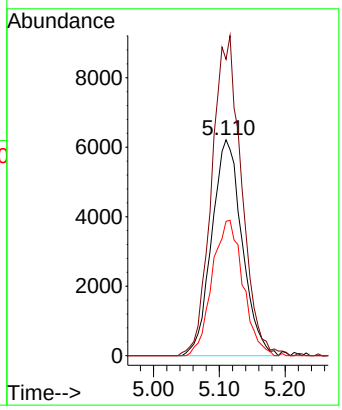




#21
trans-1,2-Dichloroethene
Concen: 9.687 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 1992

Ion	Ratio	Lower	Upper
96	100		
61	137.3	116.3	174.5
98	62.3	52.6	78.8



Instrument :
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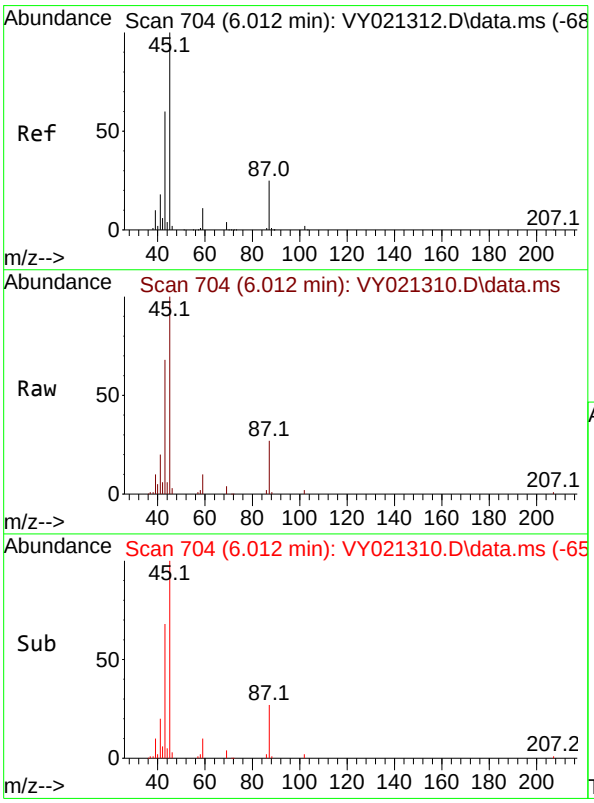
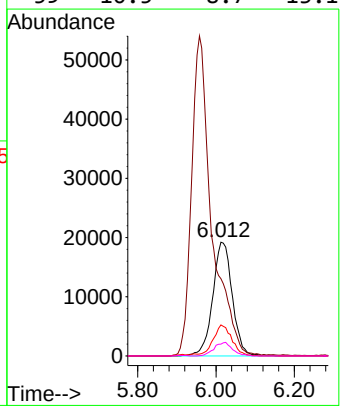
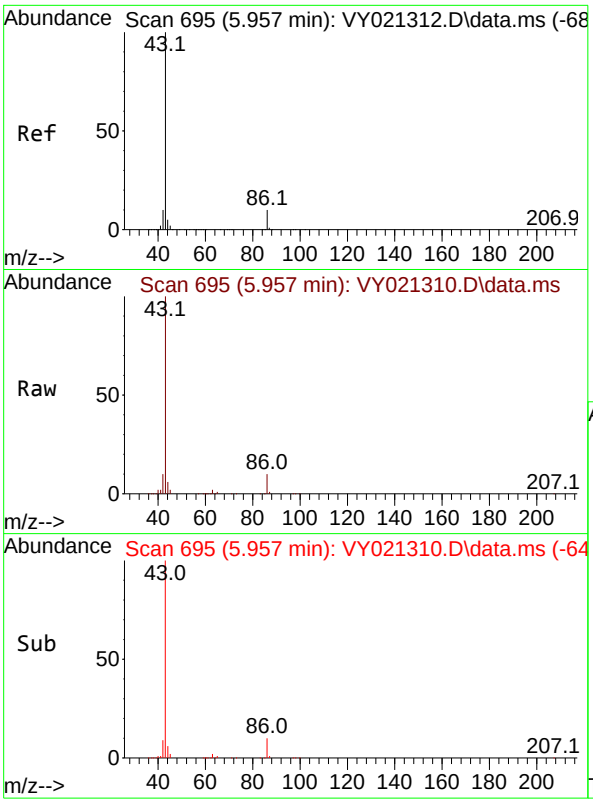


#22
Diisopropyl ether
Concen: 9.717 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 45 Resp: 66598

Ion	Ratio	Lower	Upper
45	100		
43	67.4	48.2	72.4
87	27.4	20.3	30.5
59	10.5	8.7	13.1





#23
Vinyl Acetate
Concen: 47.195 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19329

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
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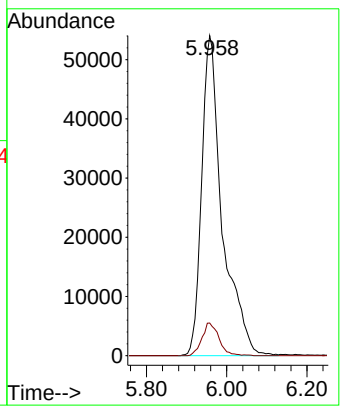
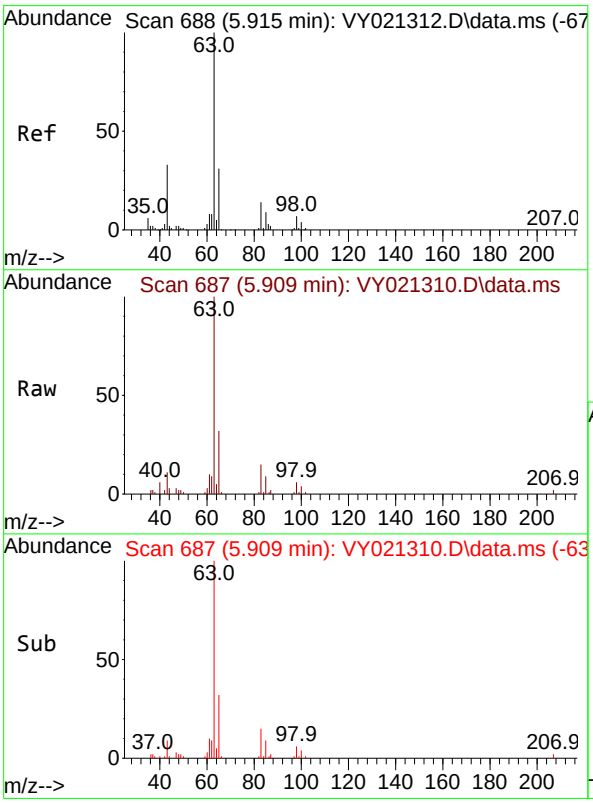
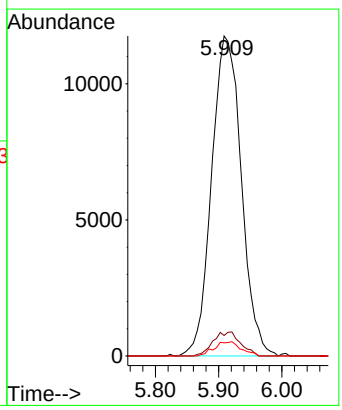


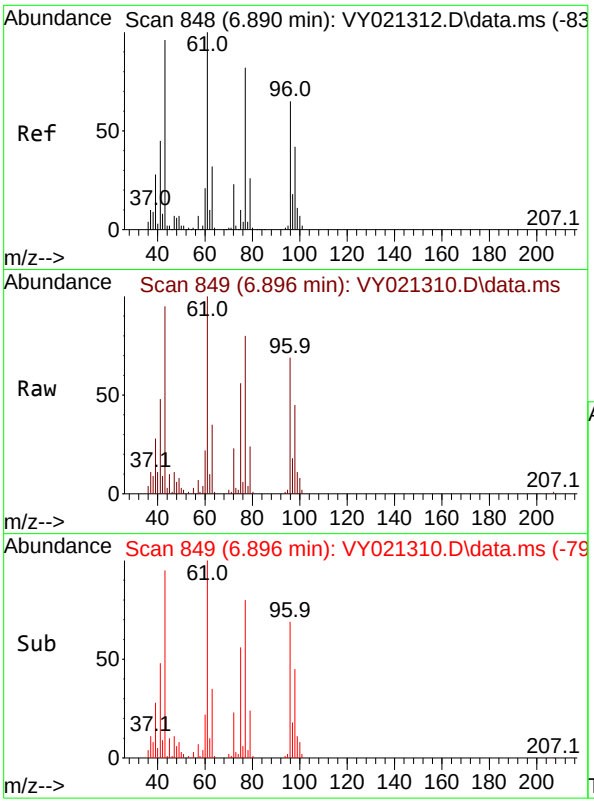


#24
1,1-Dichloroethane
Concen: 9.918 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 38311

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5

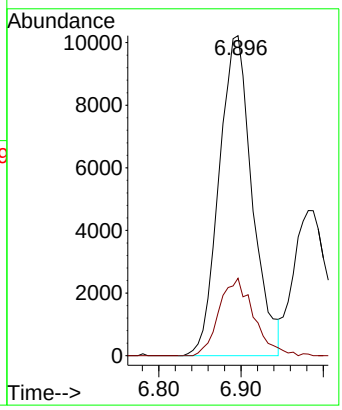




#25
2-Butanone
Concen: 47.087 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2871

Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.0	28.6



Instrument :
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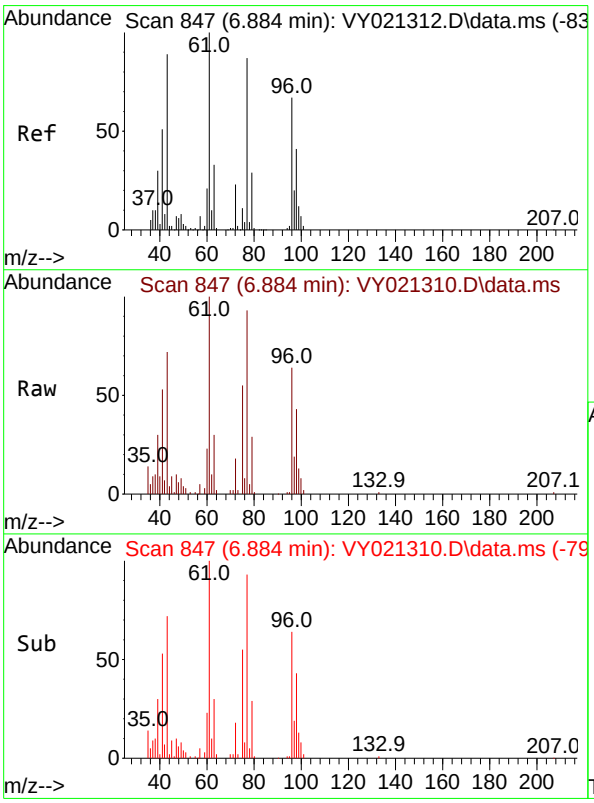
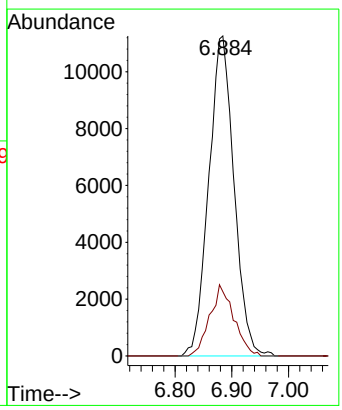
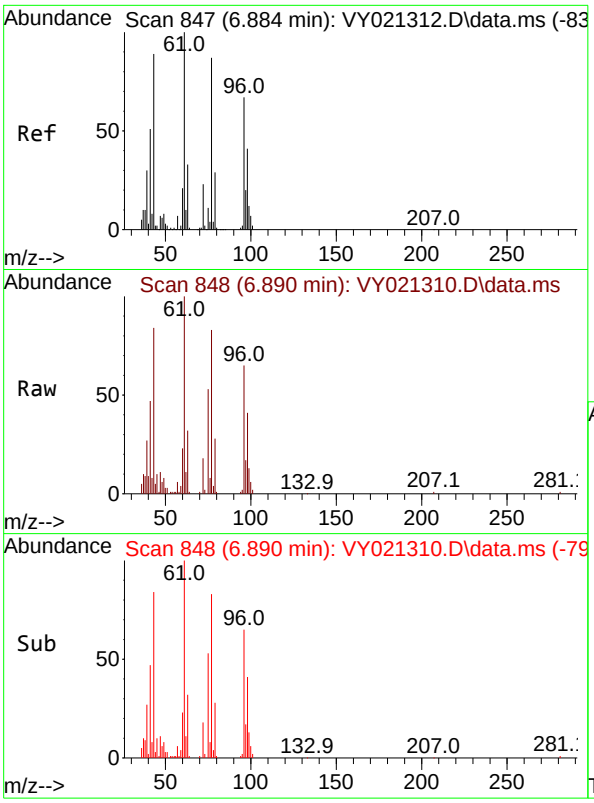


#26
2,2-Dichloropropane
Concen: 9.945 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 77 Resp: 34859

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

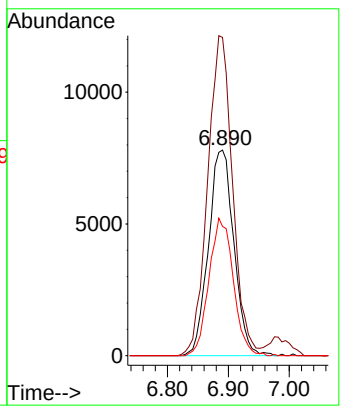




#27
cis-1,2-Dichloroethene
Concen: 9.651 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 2266

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	63.9	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
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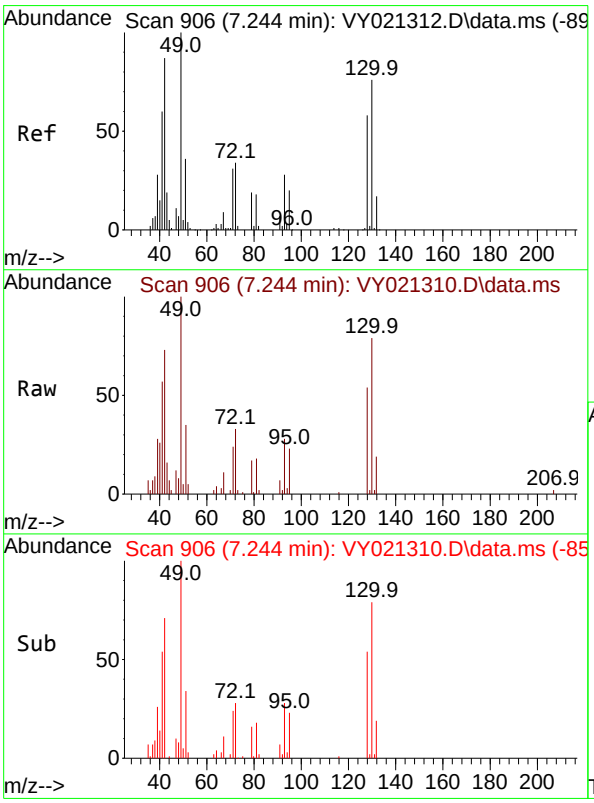
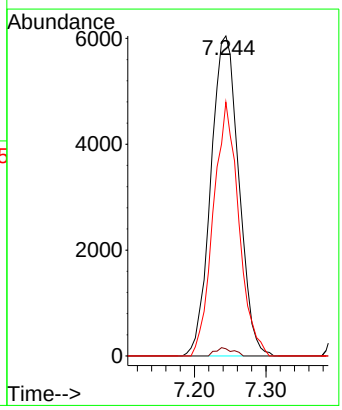
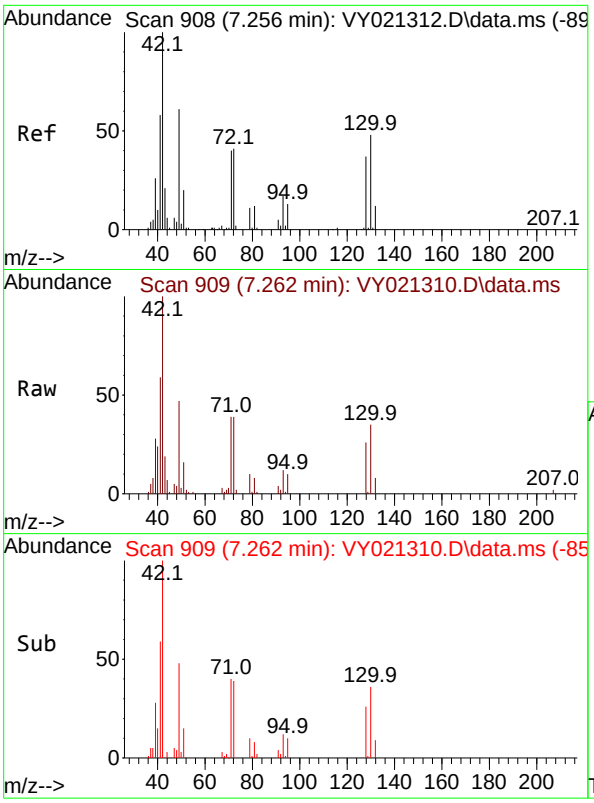


#28
Bromochloromethane
Concen: 9.605 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 49 Resp: 16417

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	72.2	57.8	86.6

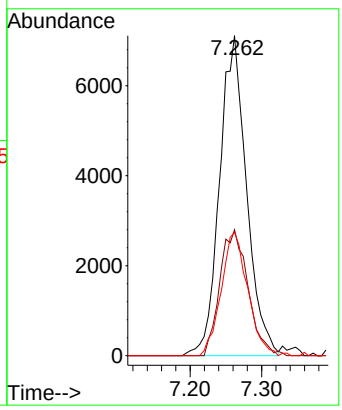




#29
Tetrahydrofuran
Concen: 46.731 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 42 Resp: 1862

Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.1	31.4	47.0



Instrument :
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ClientSampleId :
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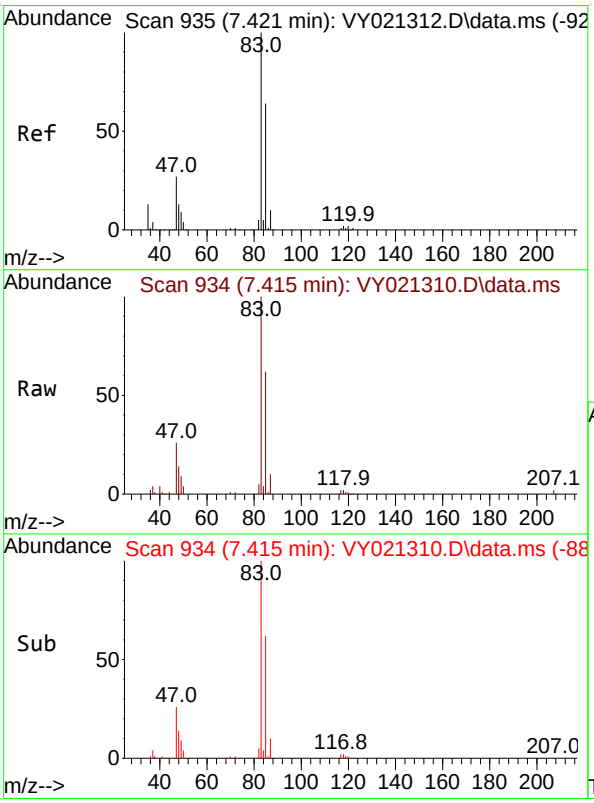
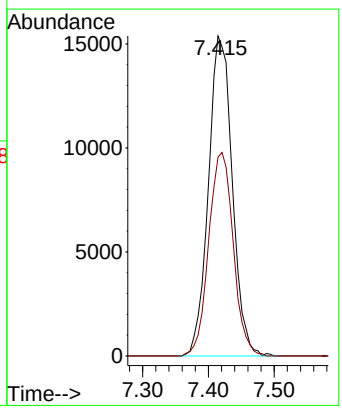
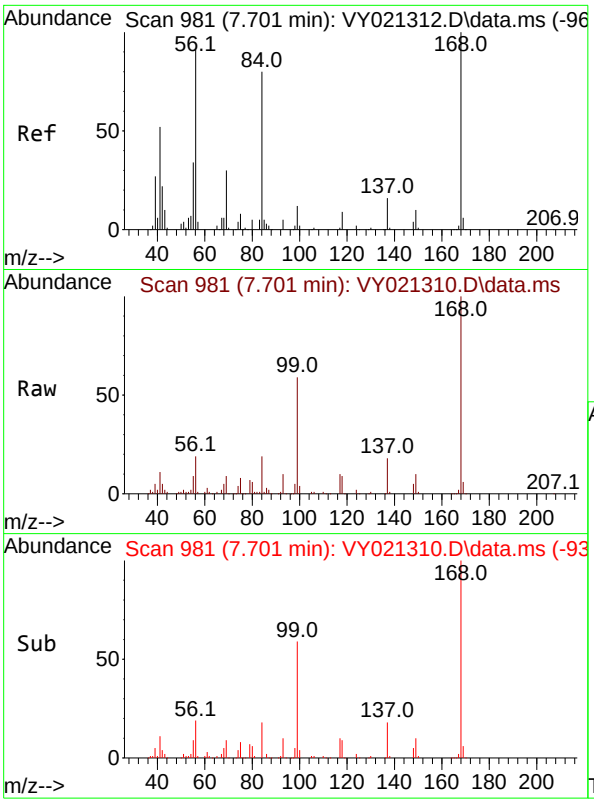


#30
Chloroform
Concen: 9.922 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 38838

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4

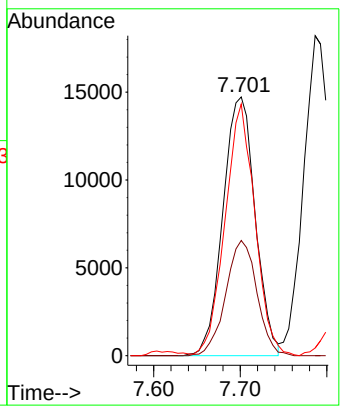




#31
Cyclohexane
Concen: 10.253 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 3807

Ion	Ratio	Lower	Upper
56	100		
69	44.5	26.2	39.4
84	96.3	70.2	105.4



Instrument :
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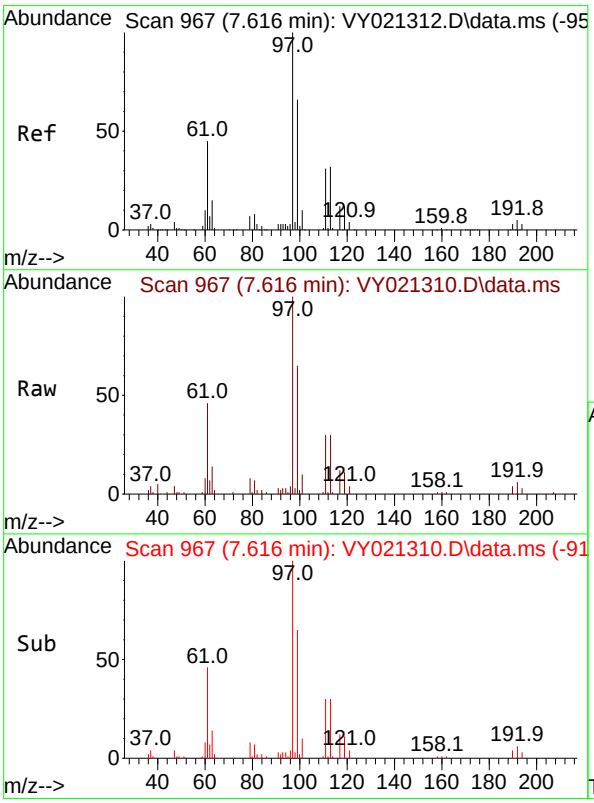
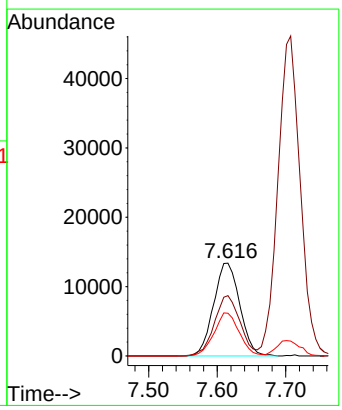
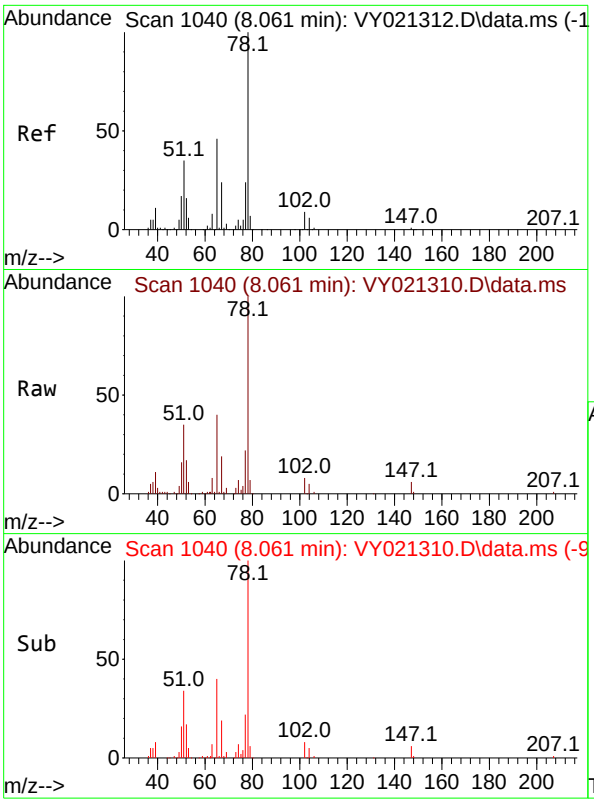


#32
1,1,1-Trichloroethane
Concen: 9.961 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 35489

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	45.1	36.2	54.2

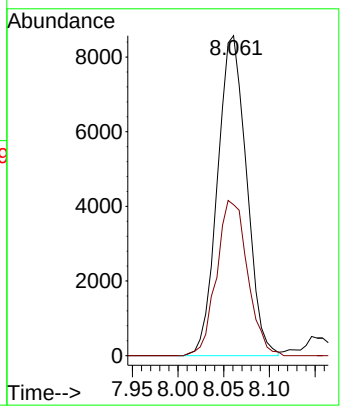




#33
1,2-Dichloroethane-d4
Concen: 8.992 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 65 Resp: 1893

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
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ClientSampleId :
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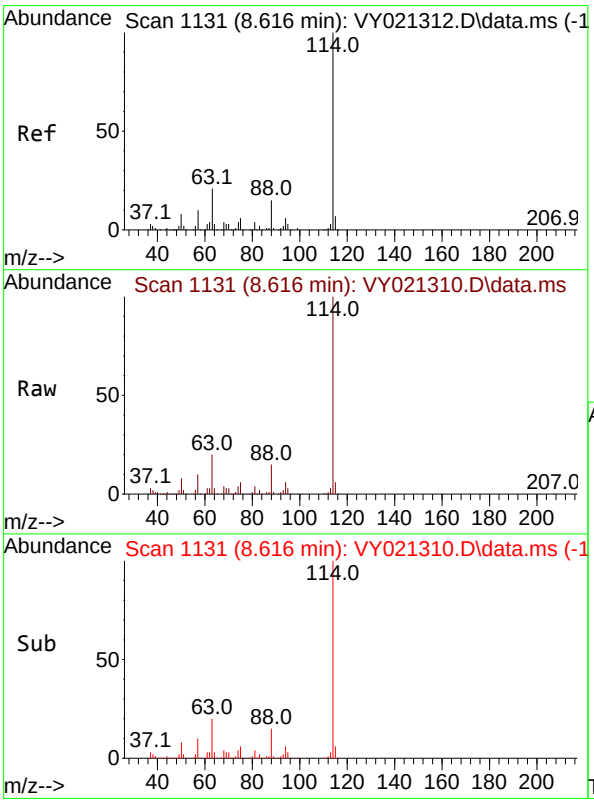
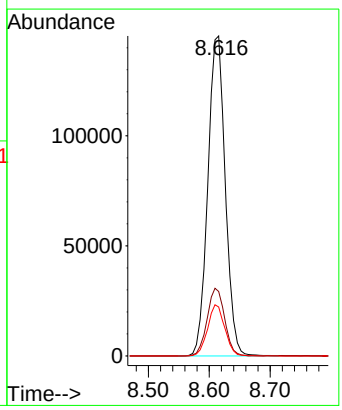
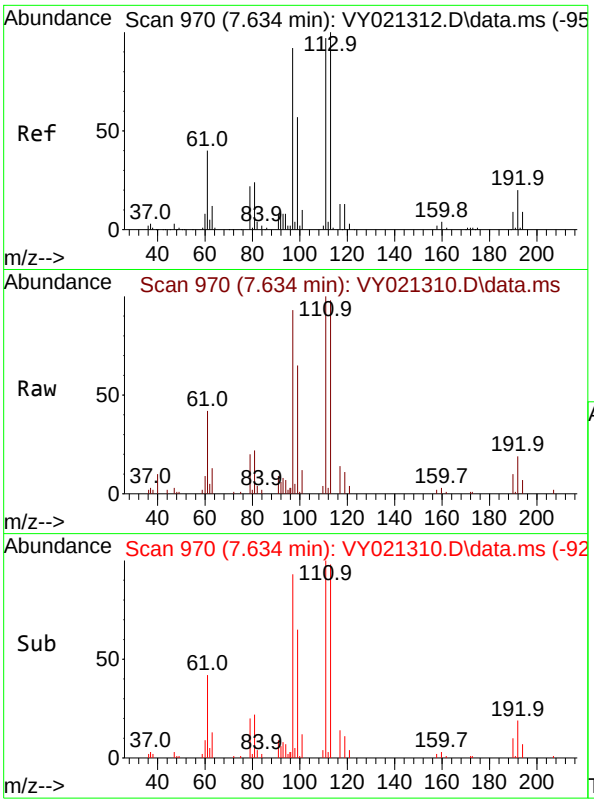


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:114 Resp: 289178

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.2
88	15.3	0.0	29.8

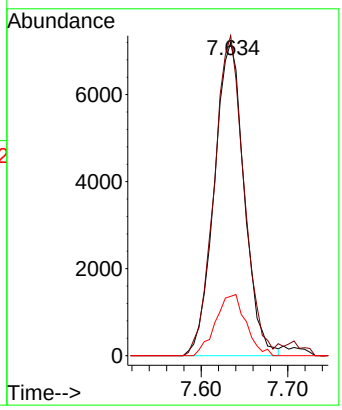




#35
Dibromofluoromethane
Concen: 9.108 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:113 Resp: 1726

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	19.7	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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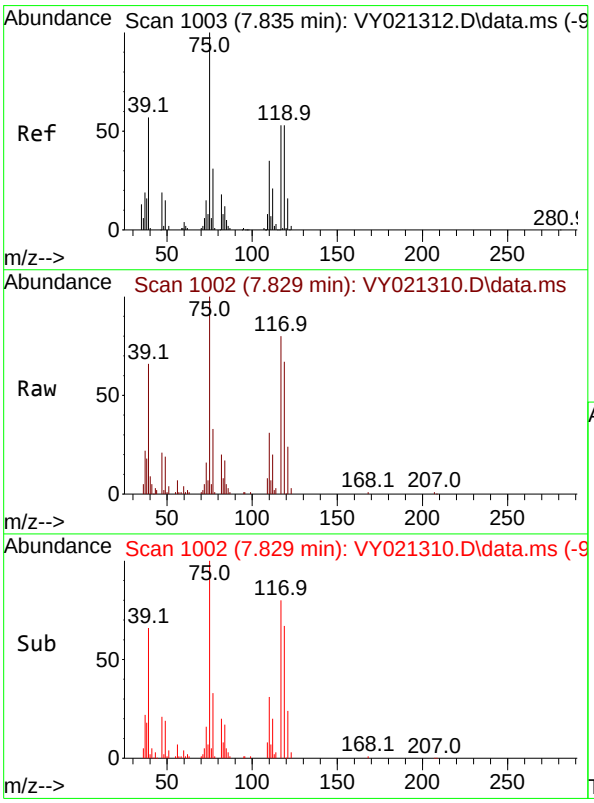
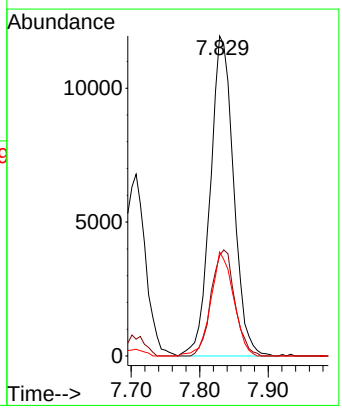
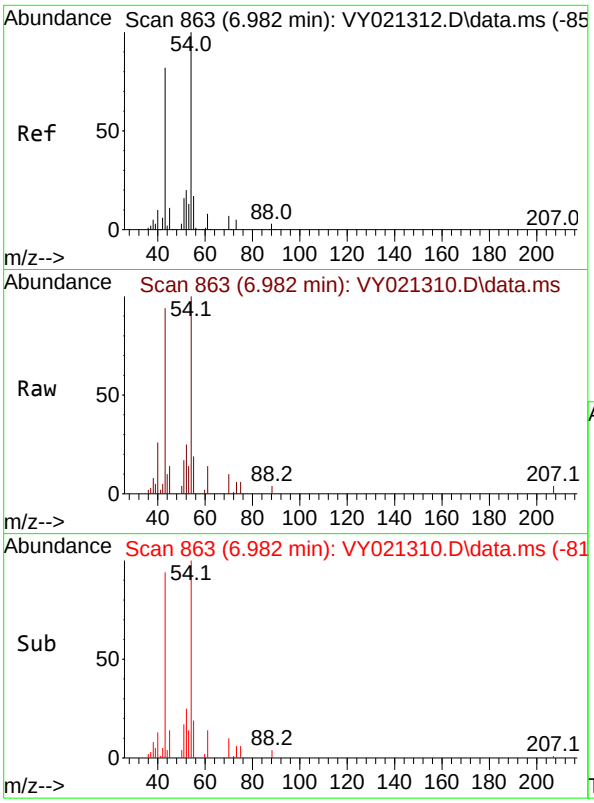


#36
1,1-Dichloropropene
Concen: 9.892 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 28171

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	31.9	24.6	36.8





#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 1421

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	8.0	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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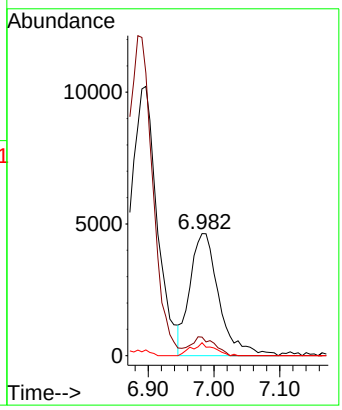
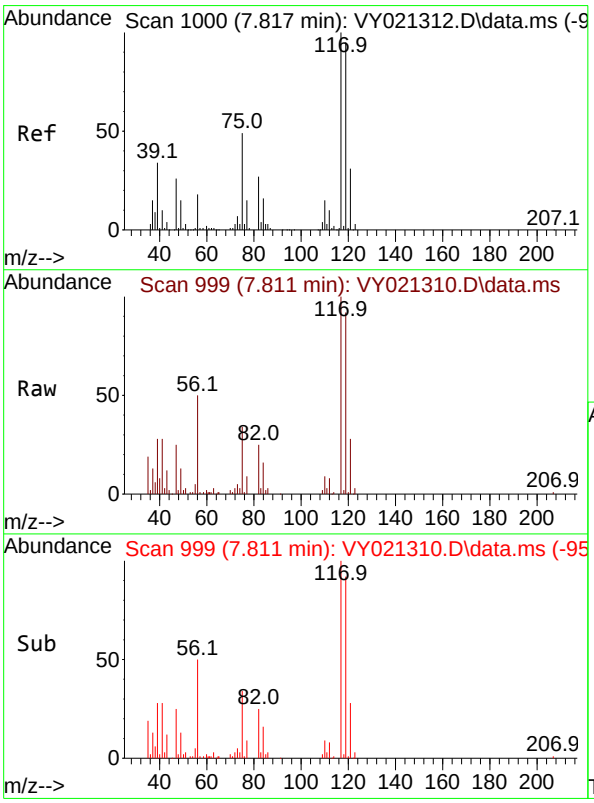
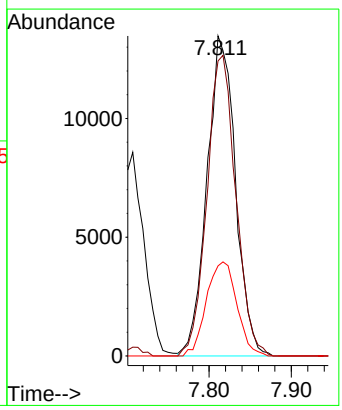


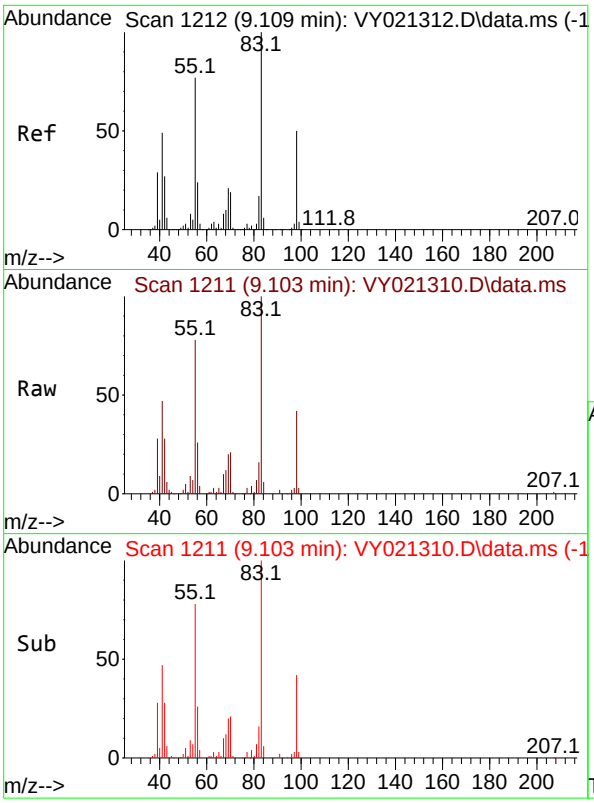


#38
Carbon Tetrachloride
Concen: 10.149 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 32494

Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.0	114.0
121	28.1	24.9	37.3





#39
Methylcyclohexane
Concen: 9.837 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 3543

Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.3	91.9
98	42.5	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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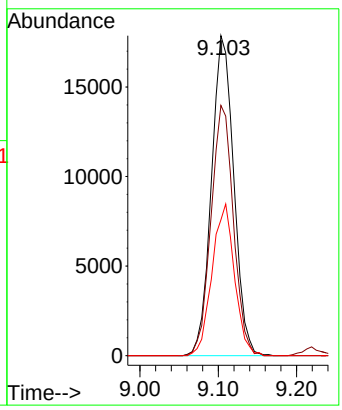
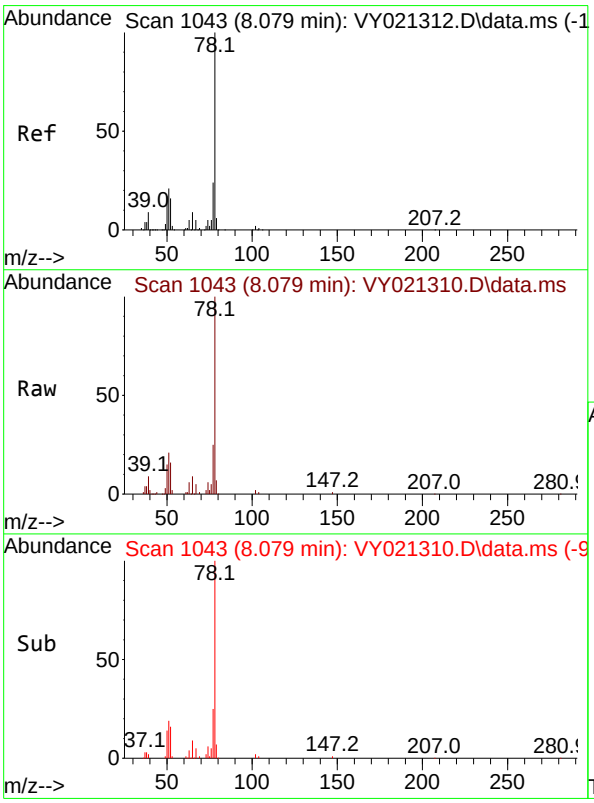
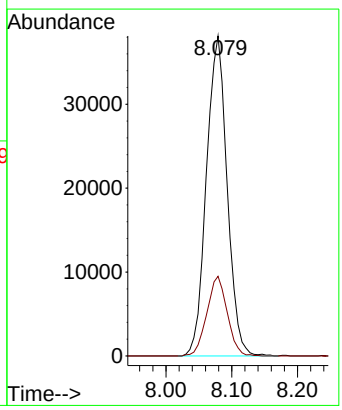


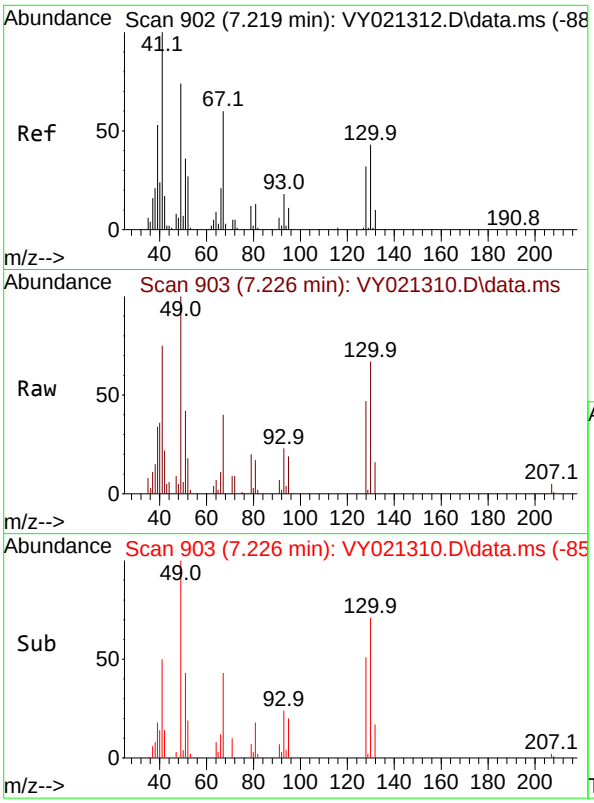


#40
Benzene
Concen: 9.930 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 78 Resp: 83594

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8

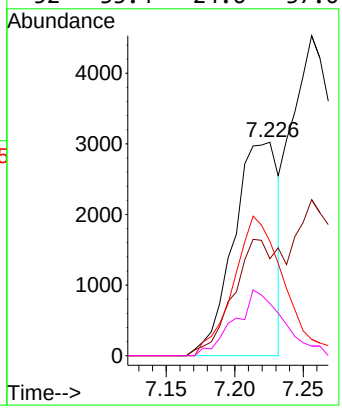




#41
Methacrylonitrile
Concen: 8.642 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 684

Ion	Ratio	Lower	Upper
41	100		
39	60.5	42.3	63.5
67	74.2	54.8	82.2
52	33.4	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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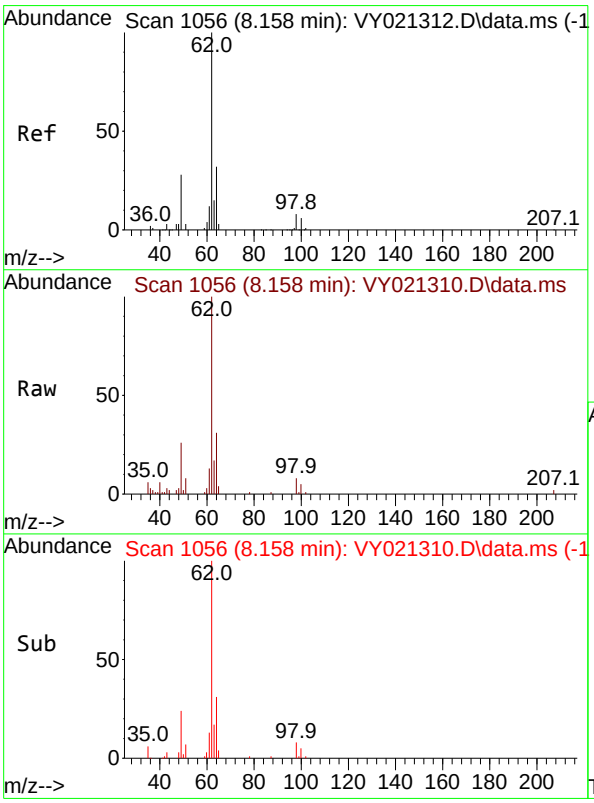
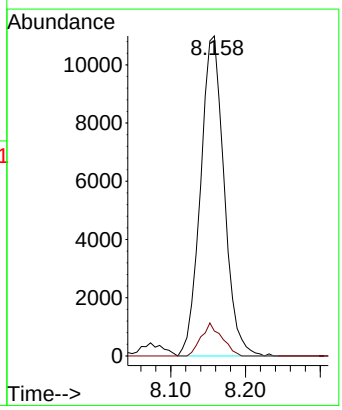
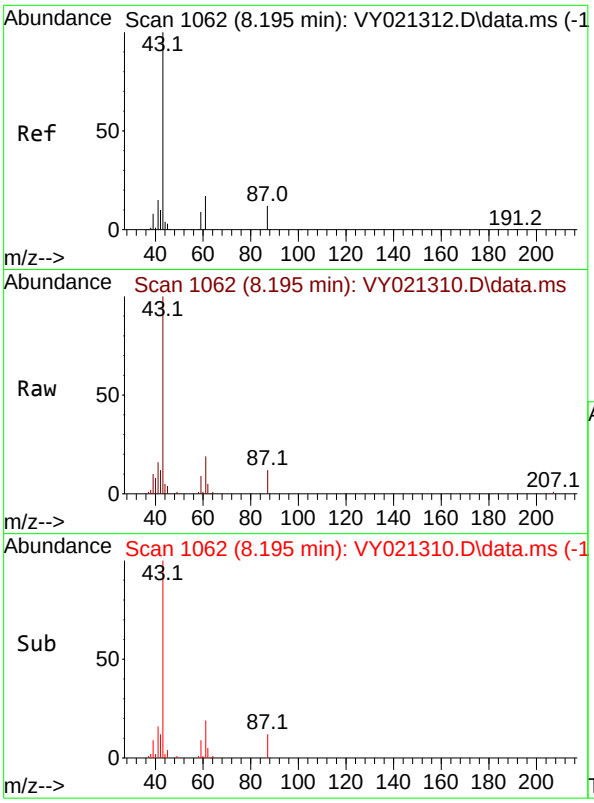


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 24091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43
Isopropyl Acetate
Concen: 9.436 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2587

Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.0	22.6
87	12.3	10.0	15.0

Instrument :
MSVOA_Y
ClientSampleId :
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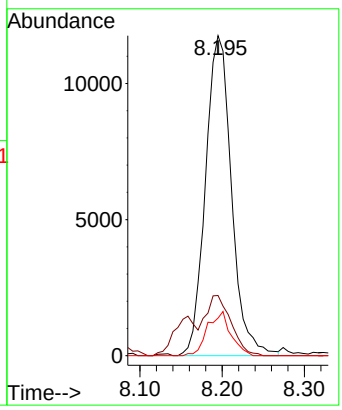
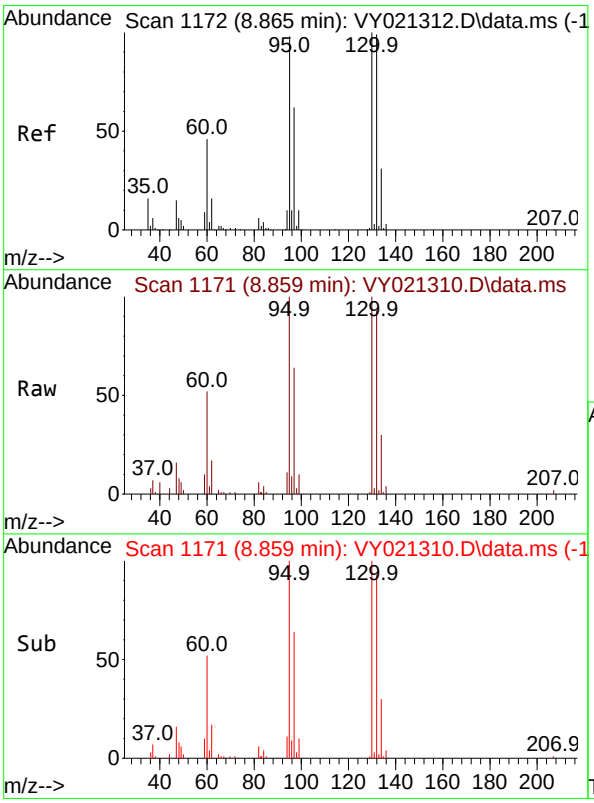
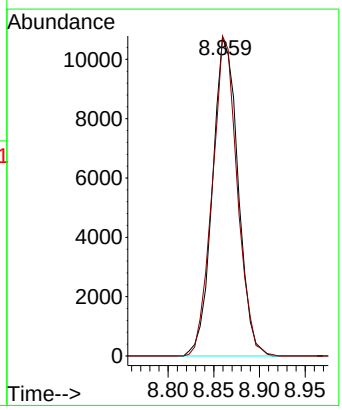


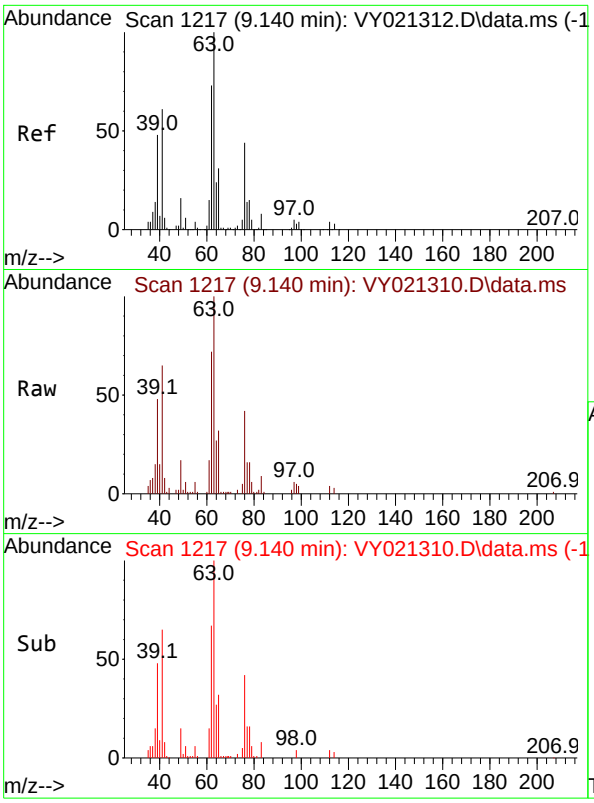


#44
Trichloroethene
Concen: 9.880 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:130 Resp: 20823

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	196.0

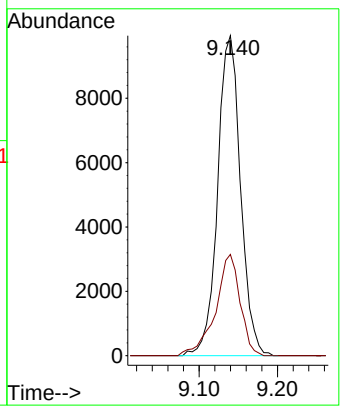




#45
1,2-Dichloropropane
Concen: 9.978 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 2021

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
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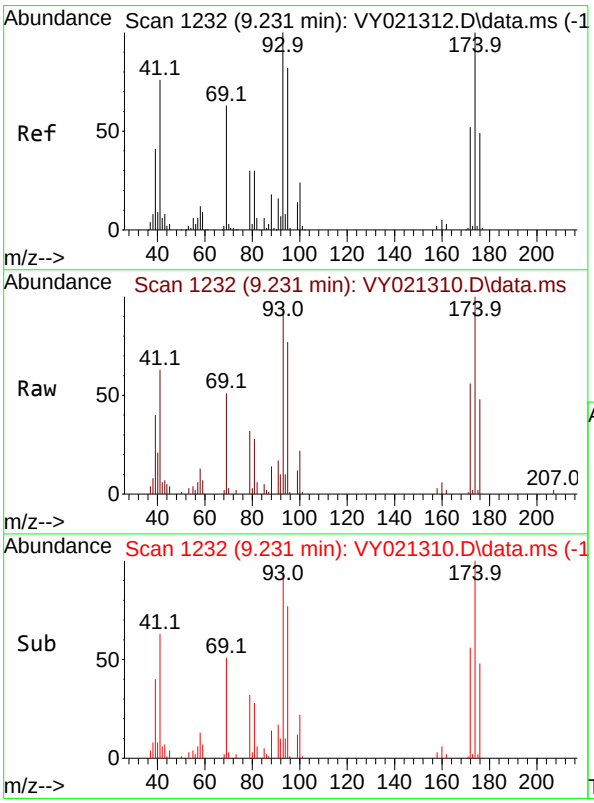
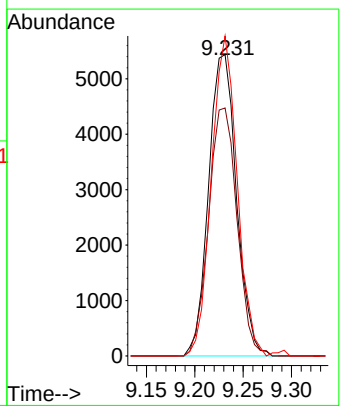
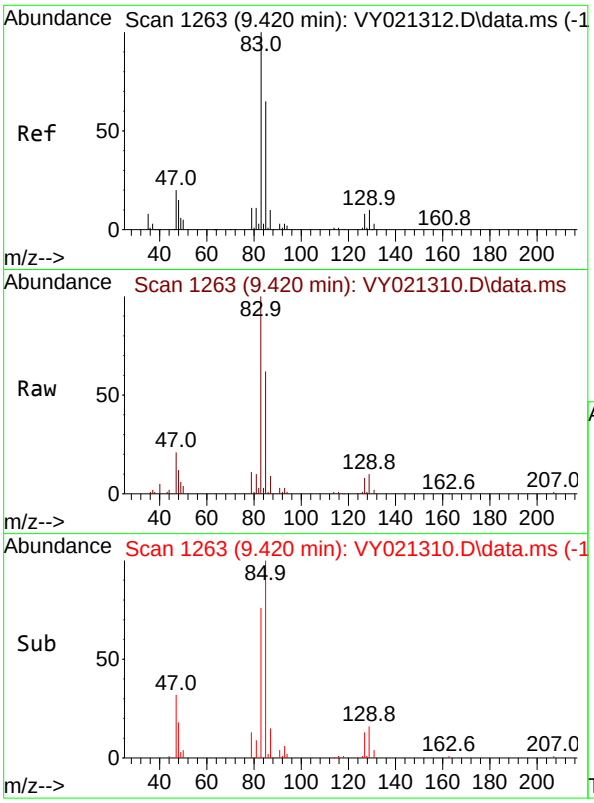


#46
Dibromomethane
Concen: 9.845 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 93 Resp: 10902

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.4	99.6
174	98.2	78.2	117.2

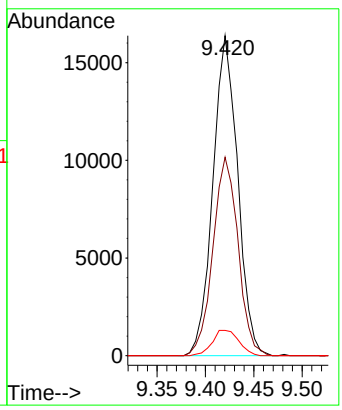




#47
Bromodichloromethane
Concen: 9.860 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 2911

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.8
127	7.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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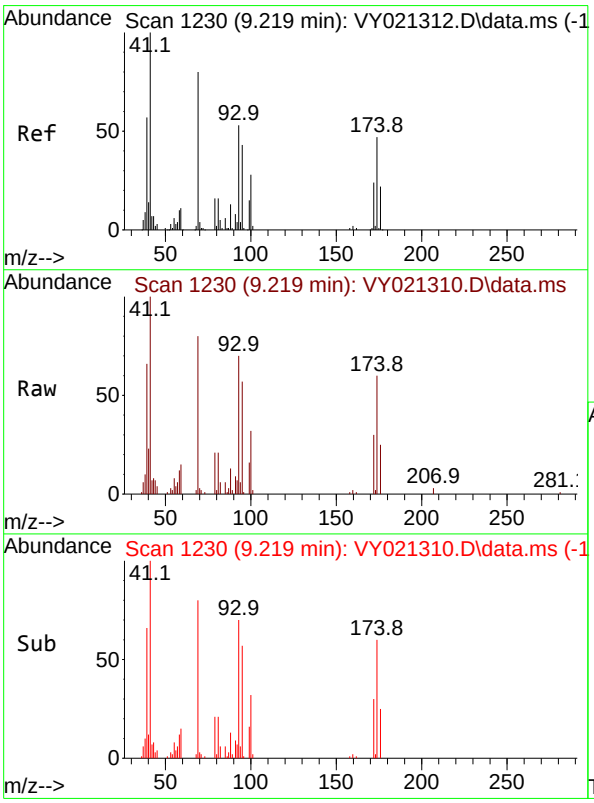
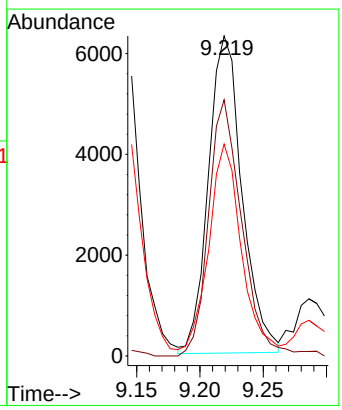
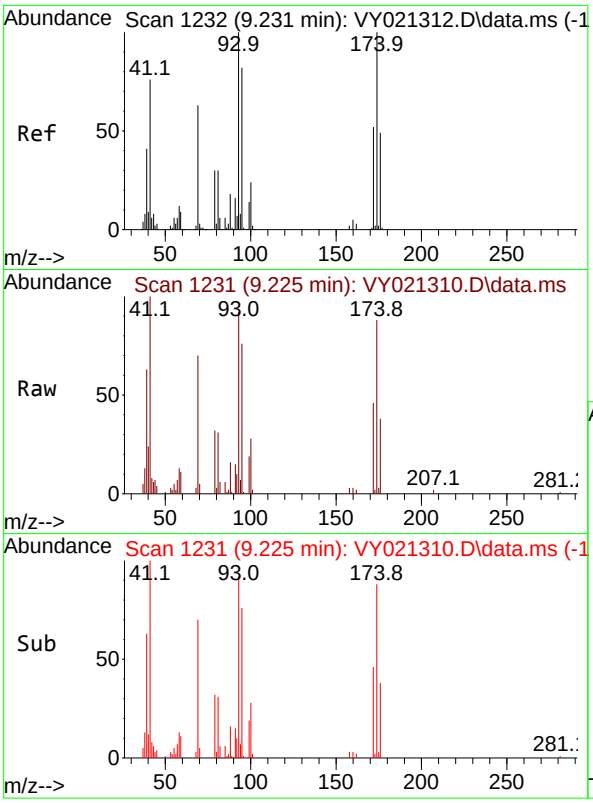


#48
Methyl methacrylate
Concen: 9.088 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 11652

Ion	Ratio	Lower	Upper
41	100		
69	80.1	63.3	94.9
39	61.7	45.0	67.6





#49
1,4-Dioxane
Concen: 187.520 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 88 Resp: 230

Ion	Ratio	Lower	Upper
88	100		
43	44.1	34.8	52.2
58	79.5	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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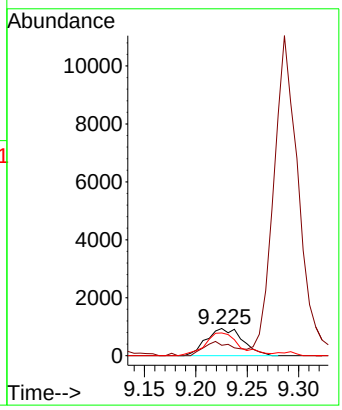
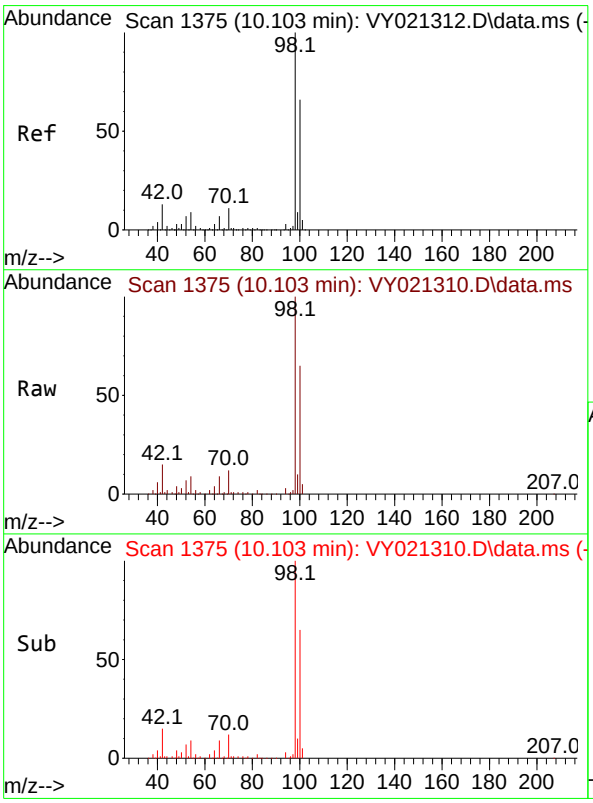
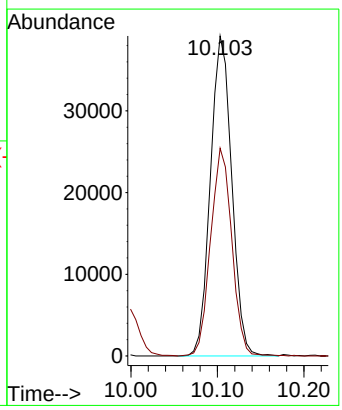


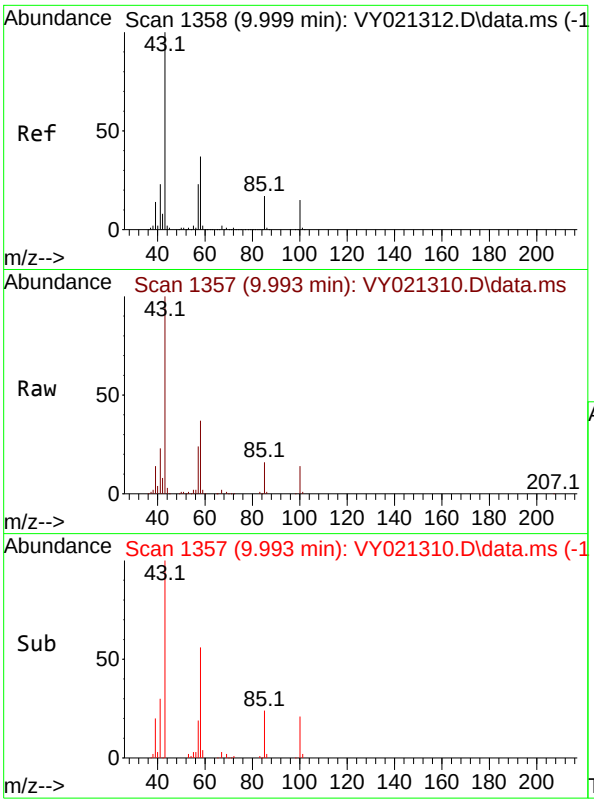


#50
Toluene-d8
Concen: 9.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 98 Resp: 66979

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6

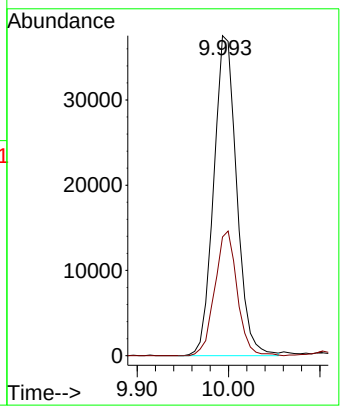




#51
4-Methyl-2-Pentanone
Concen: 46.808 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 6569

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1



Instrument :
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ClientSampleId :
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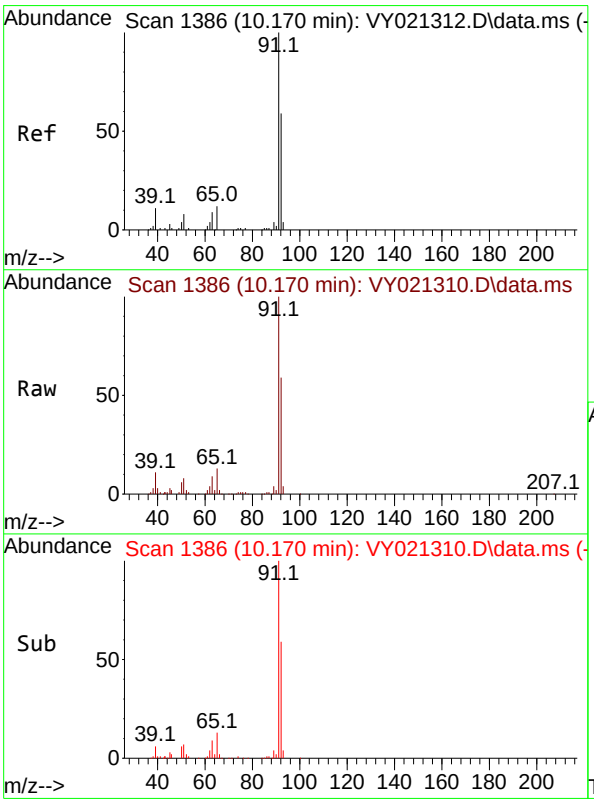
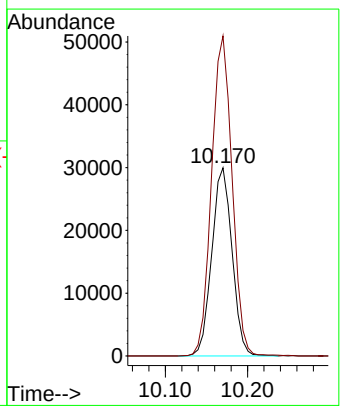
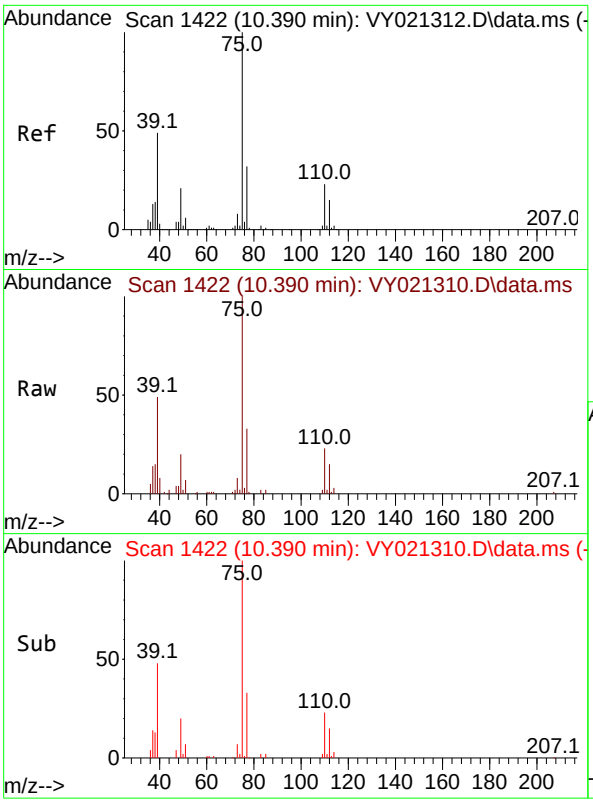


#52
Toluene
Concen: 9.823 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 92 Resp: 51371

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8

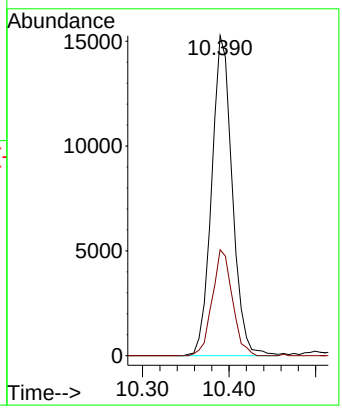




#53
t-1,3-Dichloropropene
Concen: 9.322 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2521

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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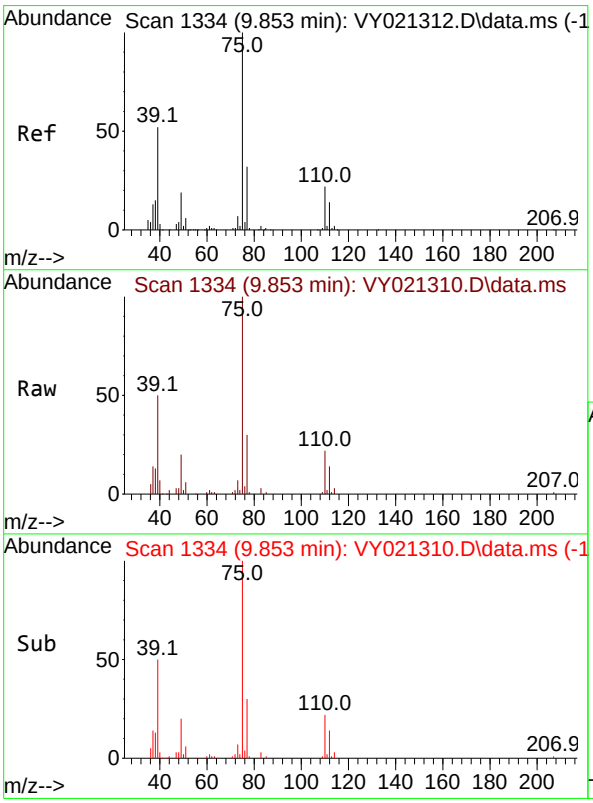
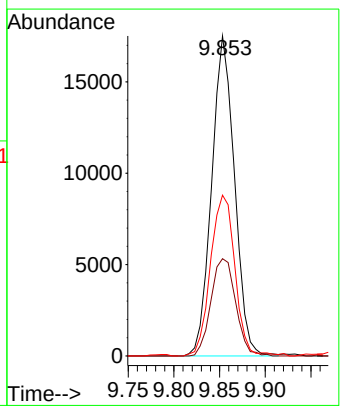
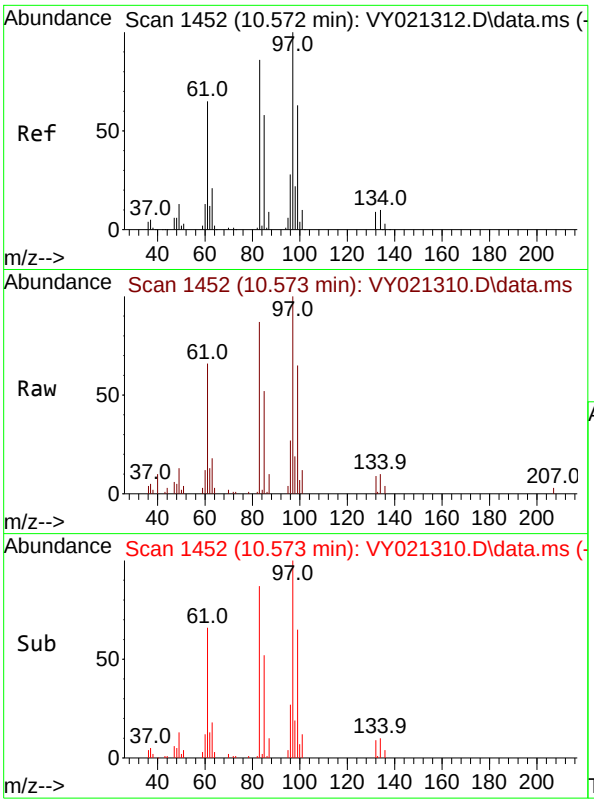


#54
cis-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 30428

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.7	38.5
39	50.2	41.8	62.6

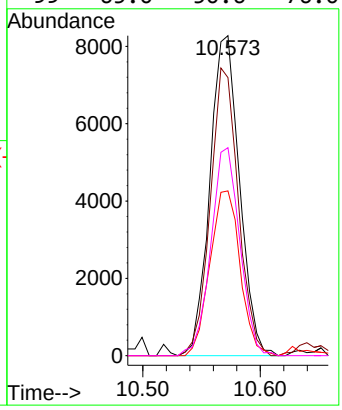




#55
1,1,2-Trichloroethane
Concen: 10.057 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 1450

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	51.5	46.3	69.5
99	65.0	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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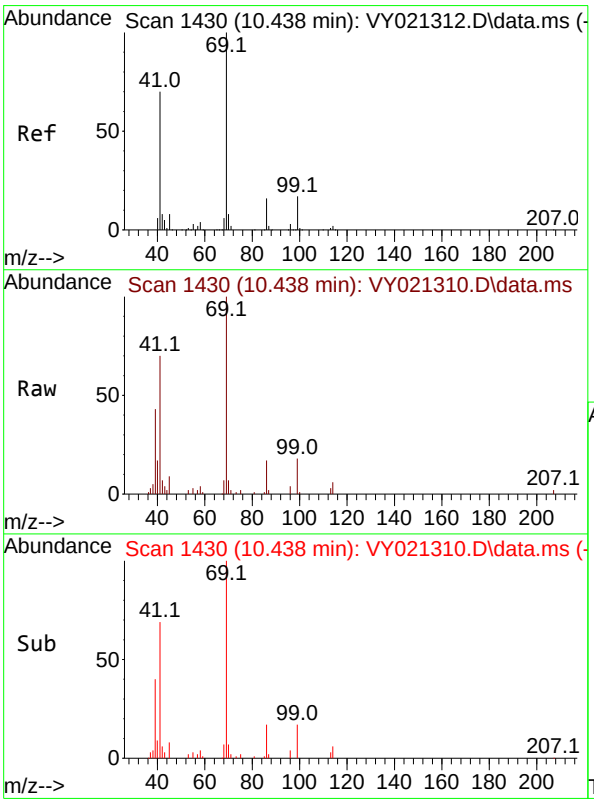
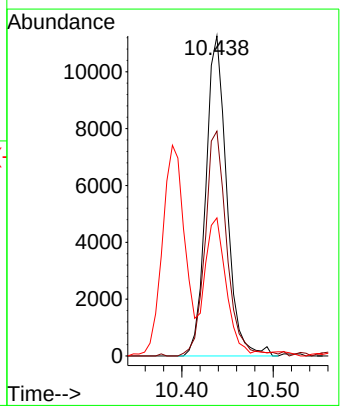
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

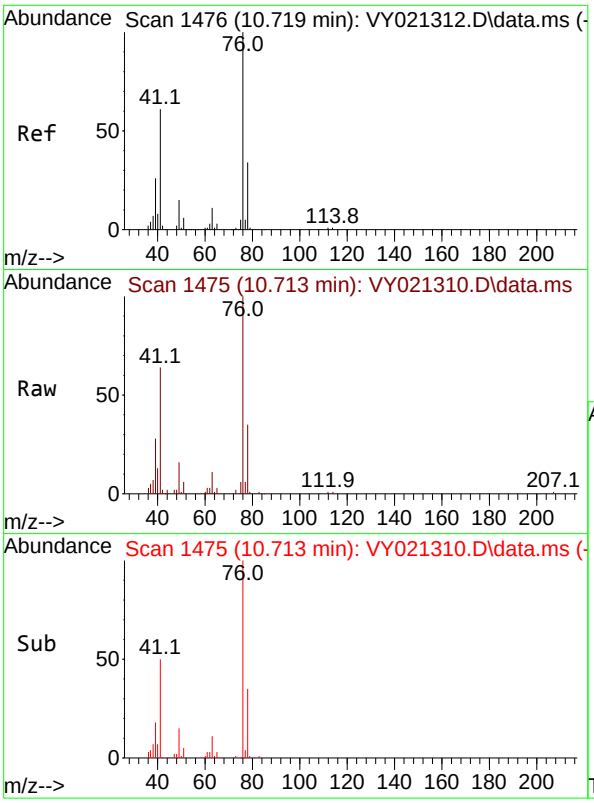


#56
Ethyl methacrylate
Concen: 8.938 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 69 Resp: 17817

Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.2	84.4
39	43.1	32.7	49.1





#57
1,3-Dichloropropane
Concen: 9.784 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 76 Resp: 2476

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
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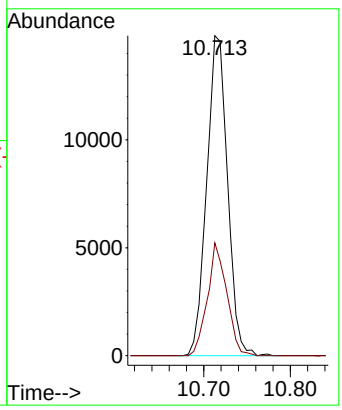
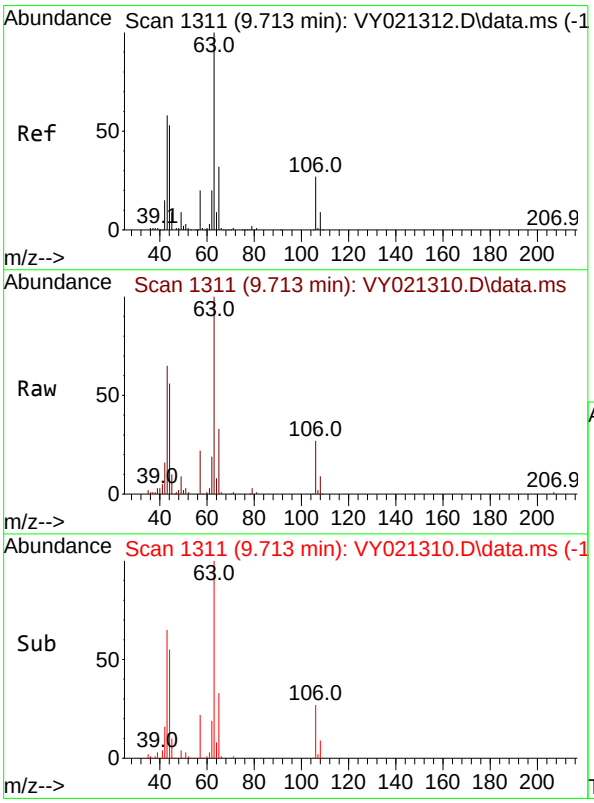
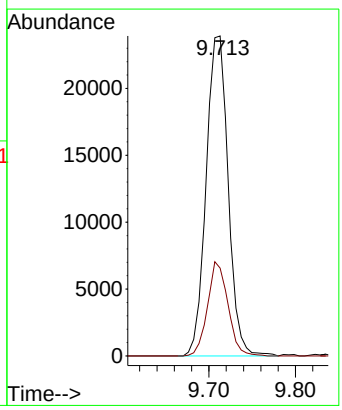


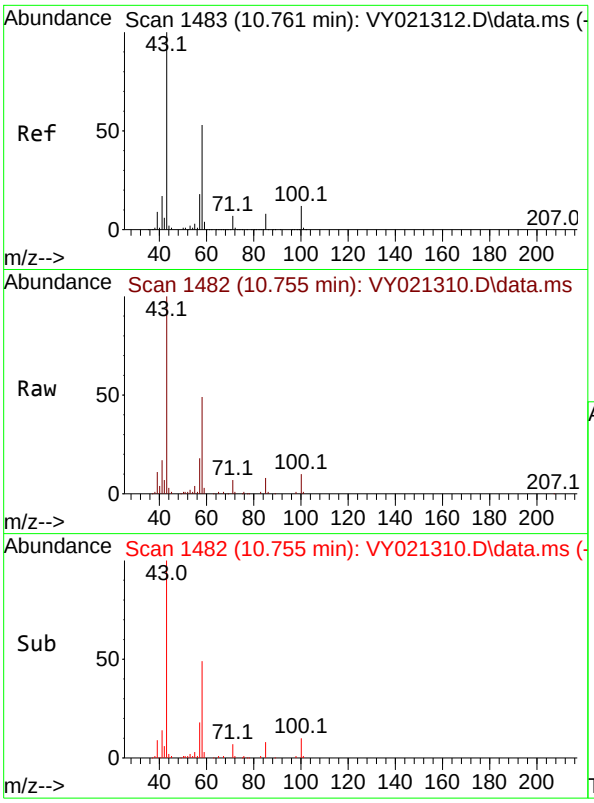


#58
2-Chloroethyl Vinyl ether
Concen: 44.215 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 42304

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5





#59
2-Hexanone
Concen: 45.697 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 4212

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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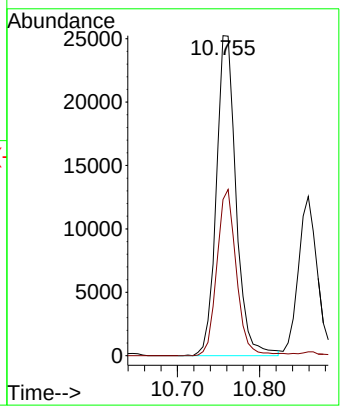
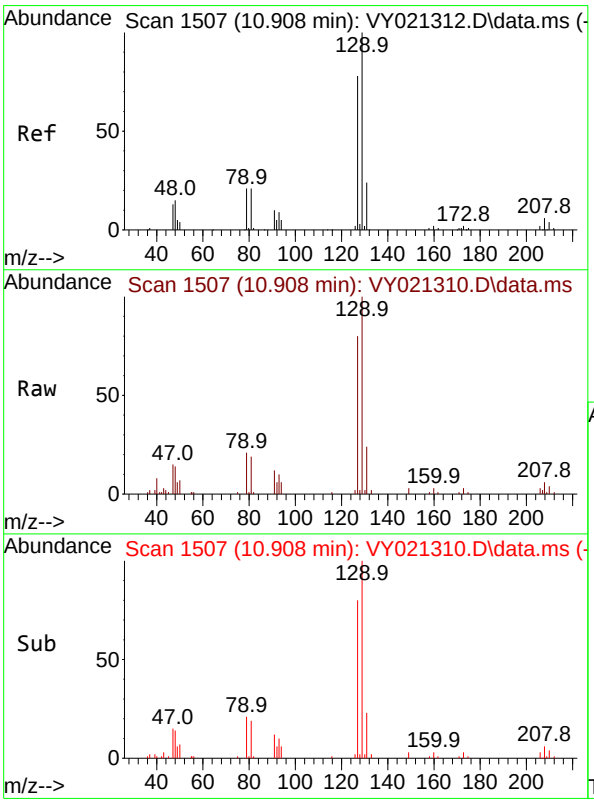
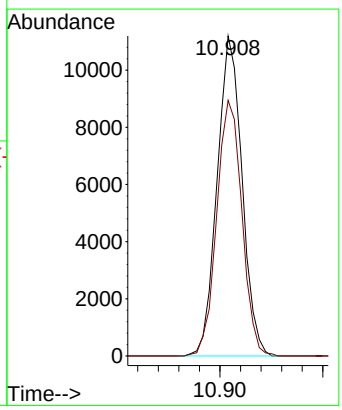


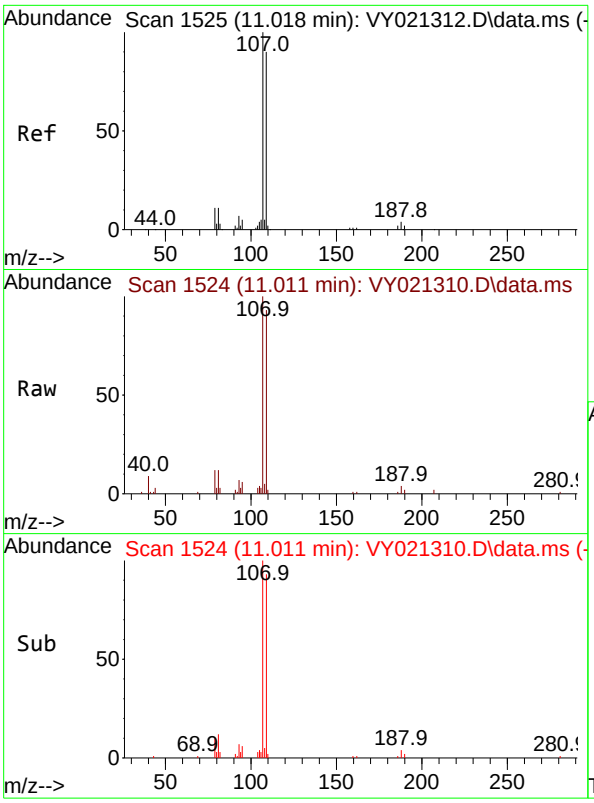


#60
Dibromochloromethane
Concen: 9.565 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:129 Resp: 18793

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.8	116.4





#61
1,2-Dibromoethane
Concen: 9.775 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:107 Resp: 1335

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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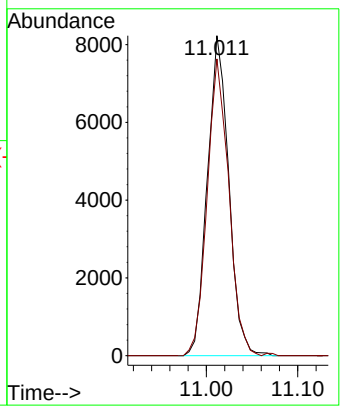
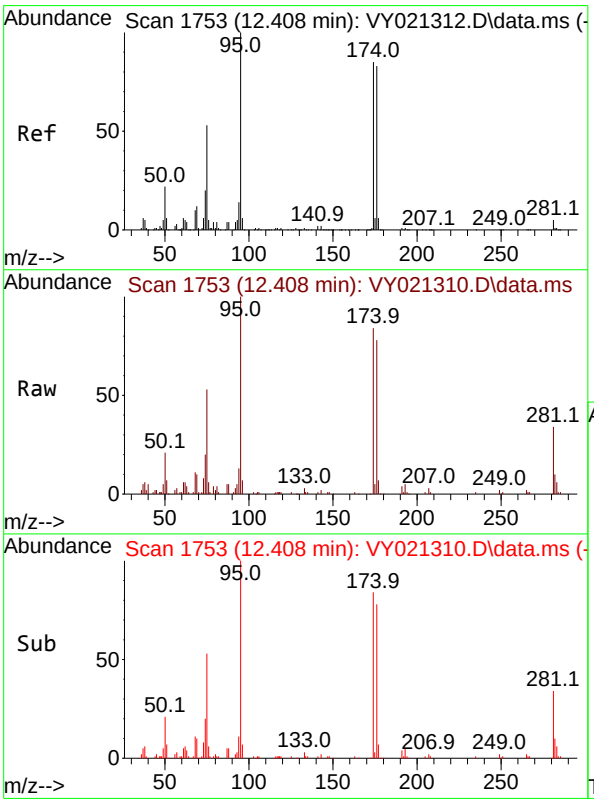
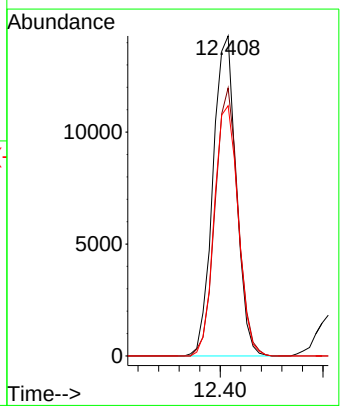


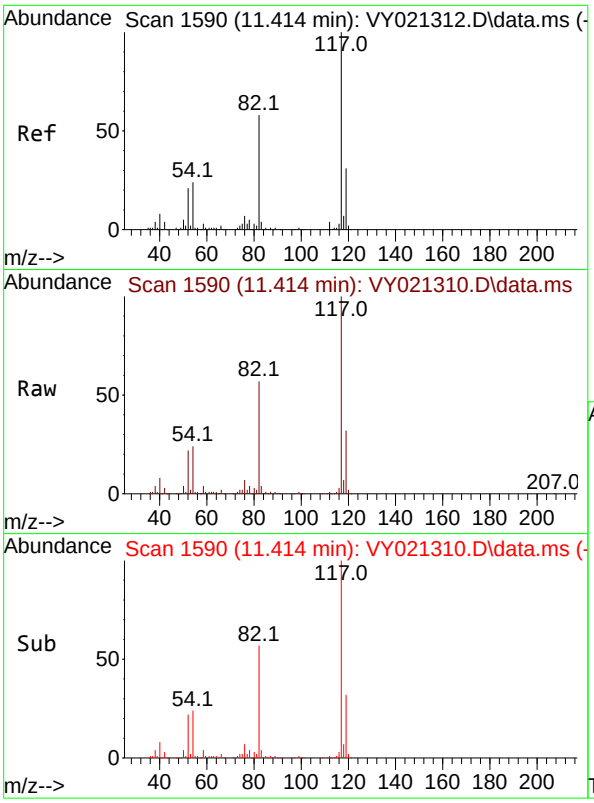


#62
4-Bromofluorobenzene
Concen: 9.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 95 Resp: 22364

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	168.0
176	80.9	0.0	162.6

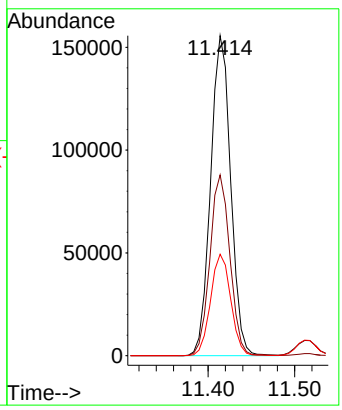




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 25062

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.4
119	31.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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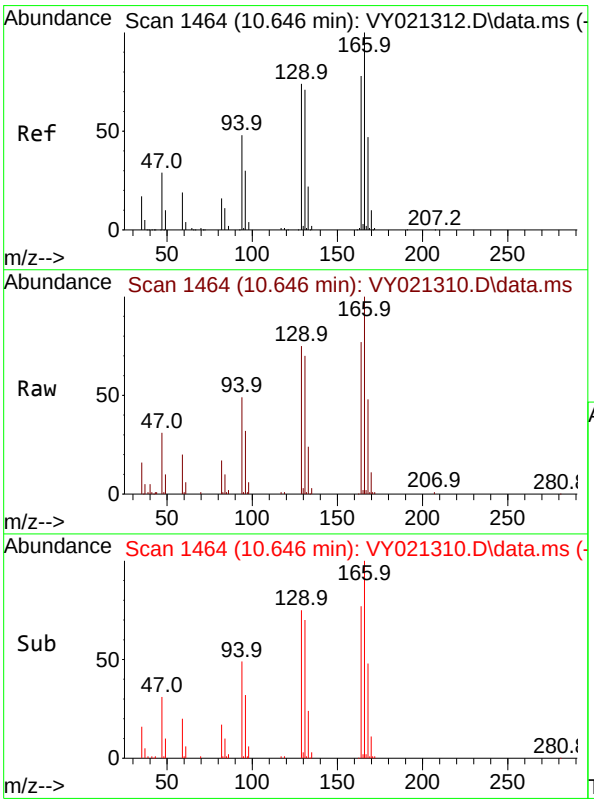
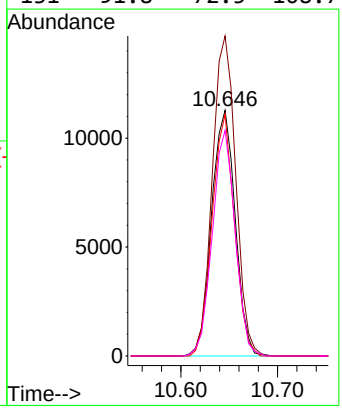
Supervised By :Mahesh Dadoda 02/26/2025

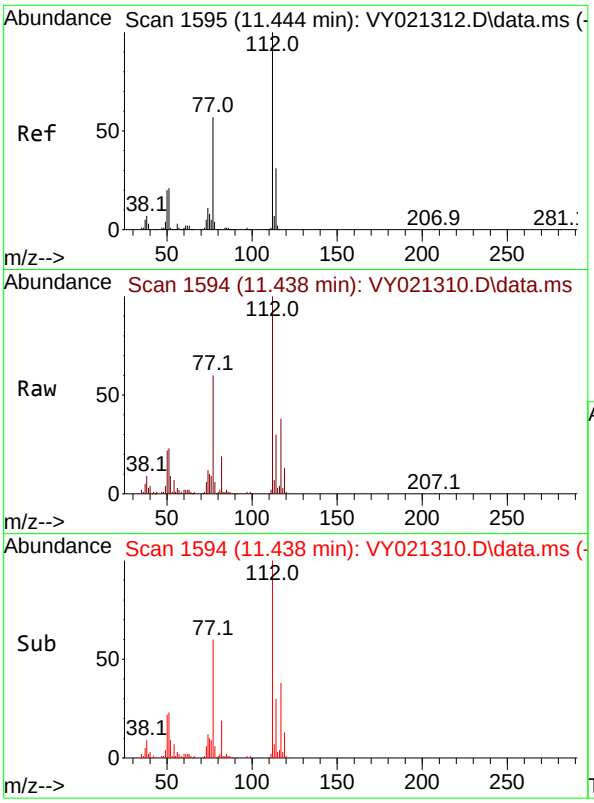


#64
Tetrachloroethene
Concen: 10.064 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:164 Resp: 19065

Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.9	152.9
129	98.3	75.5	113.3
131	91.8	72.5	108.7

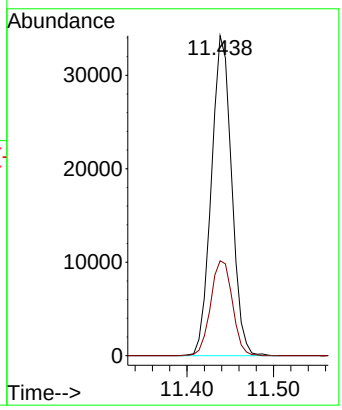




#65
Chlorobenzene
Concen: 9.899 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:112 Resp: 5568

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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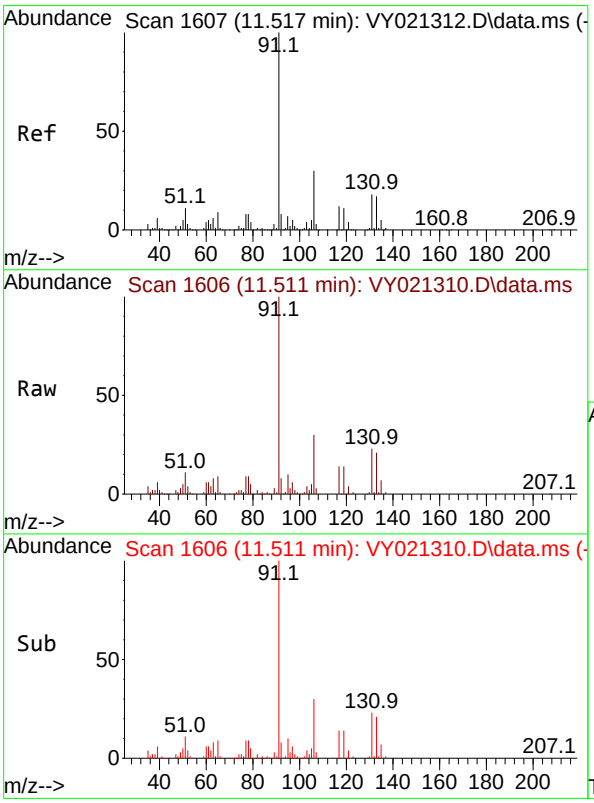
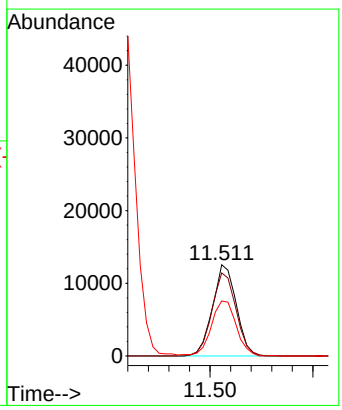
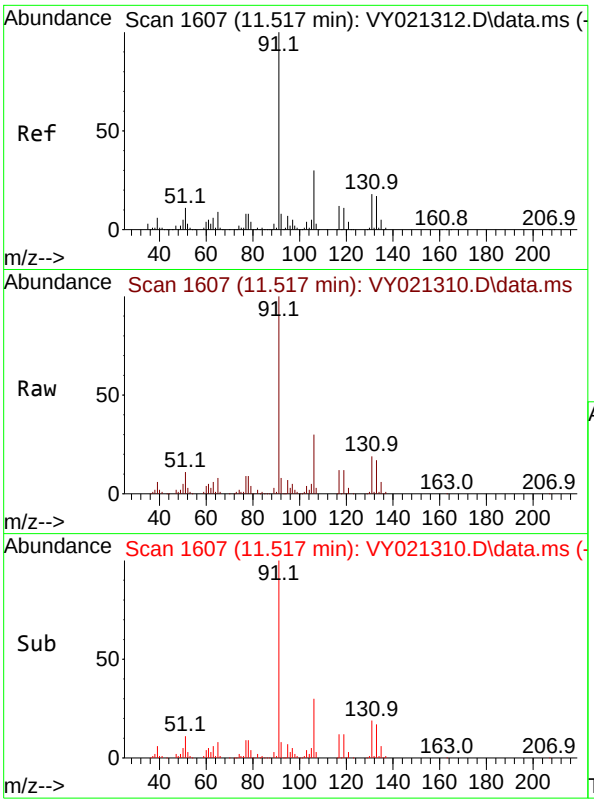


#66
1,1,1,2-Tetrachloroethane
Concen: 10.198 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:131 Resp: 20089

Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.9	143.6
119	62.8	31.7	95.1

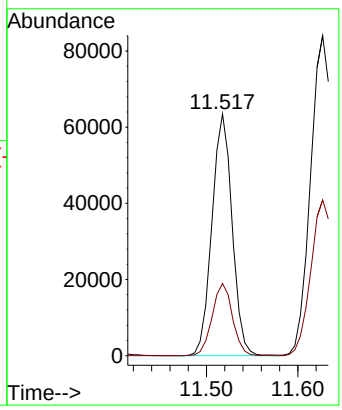




#67
Ethyl Benzene
Concen: 9.764 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 9729

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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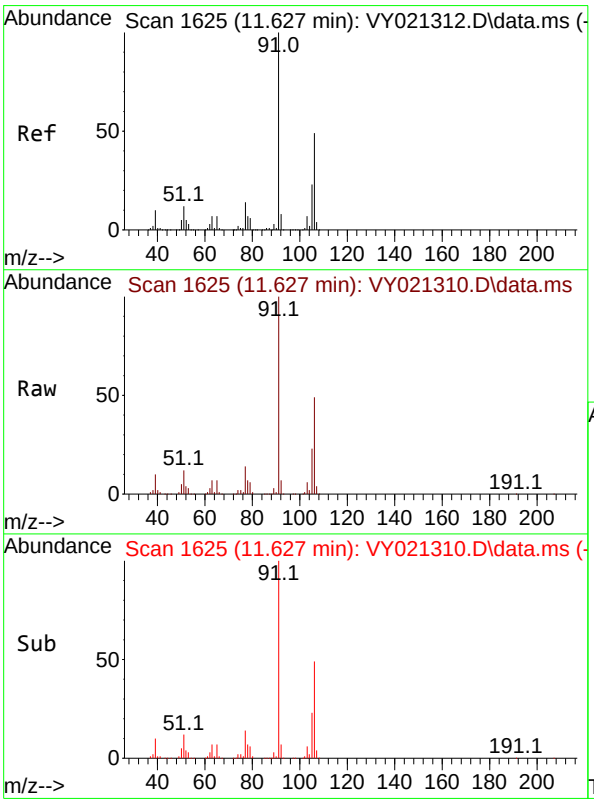
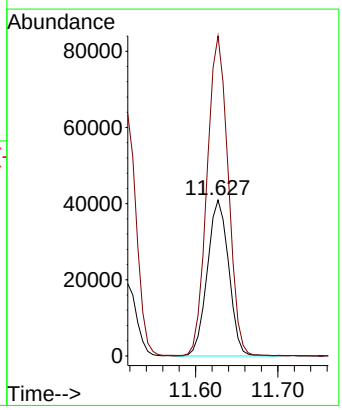
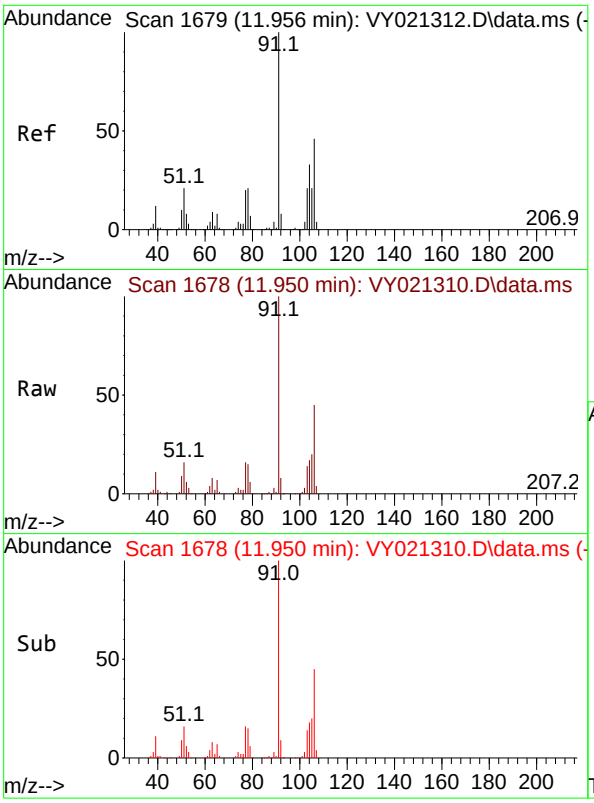


#68
m/p-Xylenes
Concen: 19.740 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 73991

Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.9	245.9





#69
o-Xylene
Concen: 9.632 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 3382

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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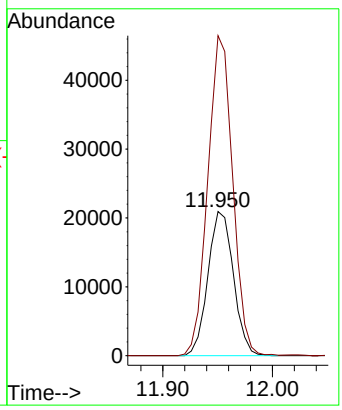
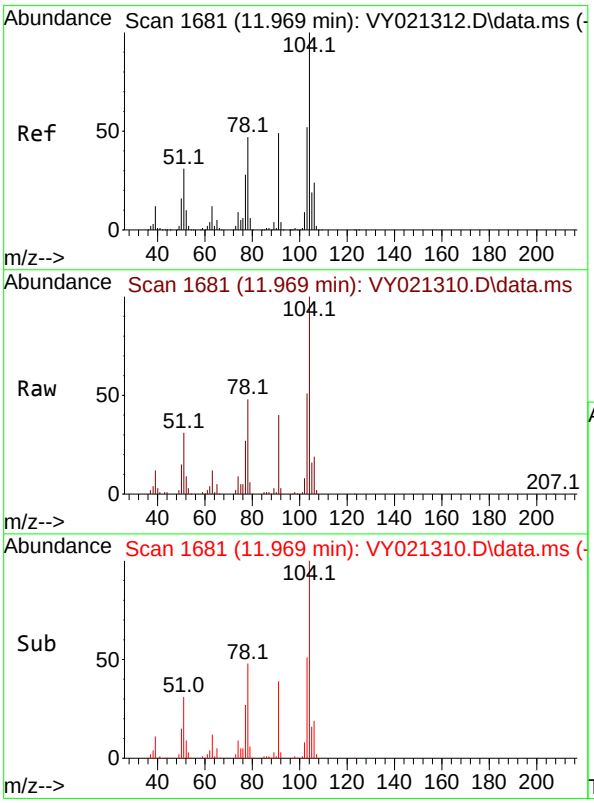
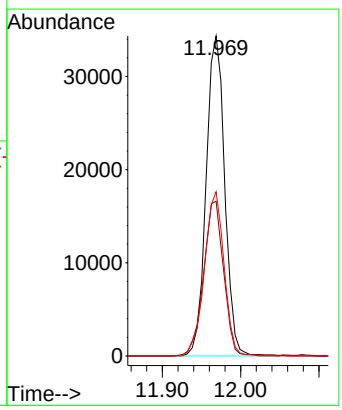


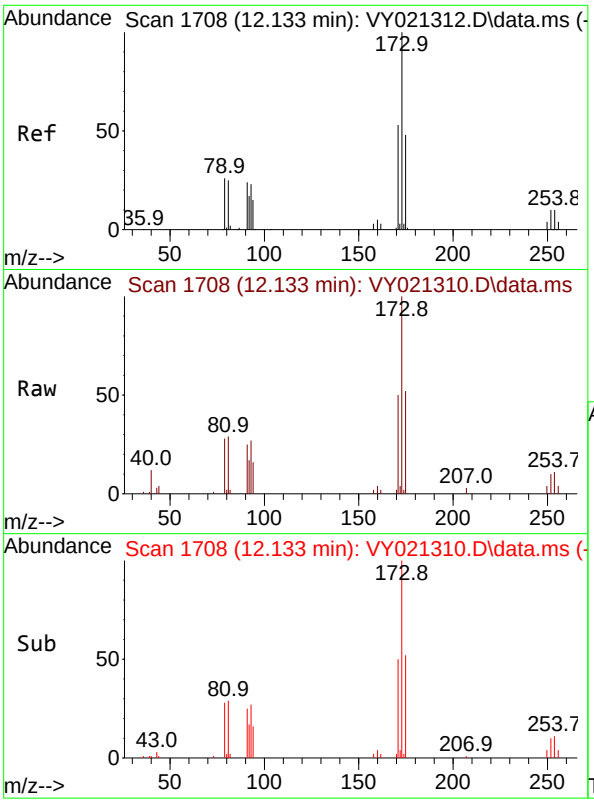


#70
Styrene
Concen: 9.679 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:104 Resp: 56550

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.3	61.9
103	54.2	43.9	65.9

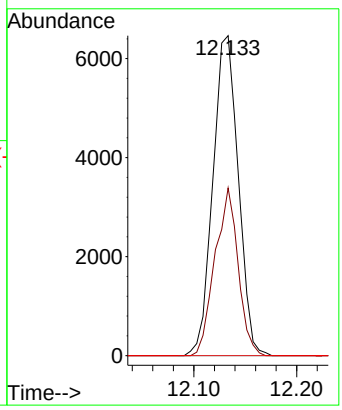




#71
Bromoform
Concen: 9.820 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:173 Resp: 1106

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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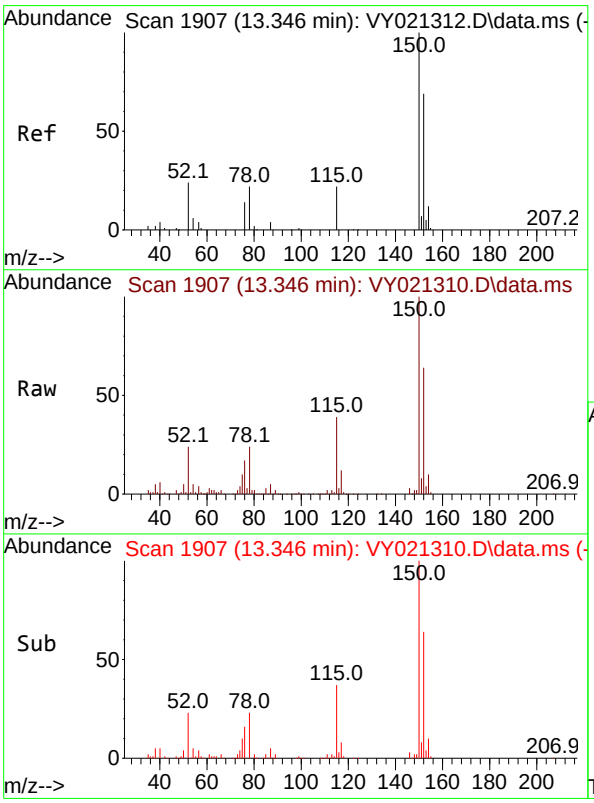
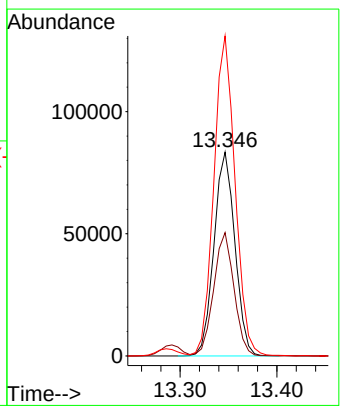
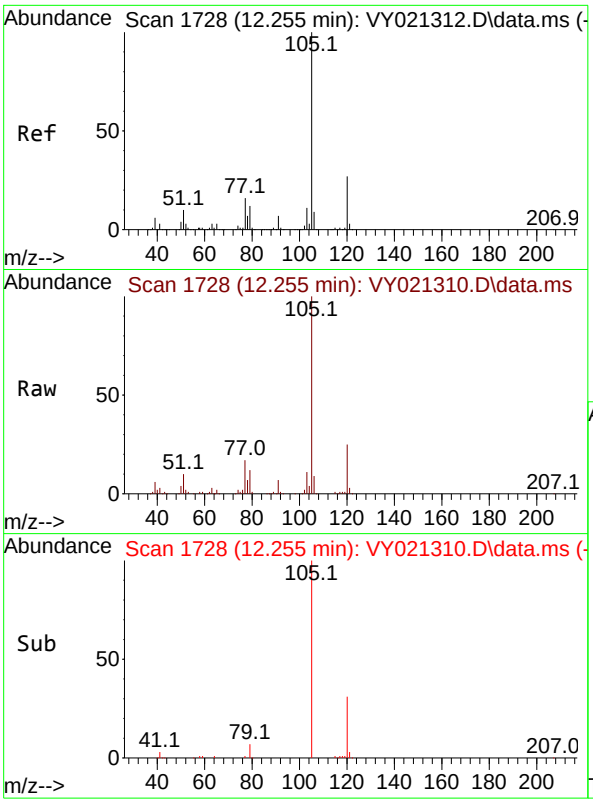


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:152 Resp: 125138

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	159.4	0.0	347.4

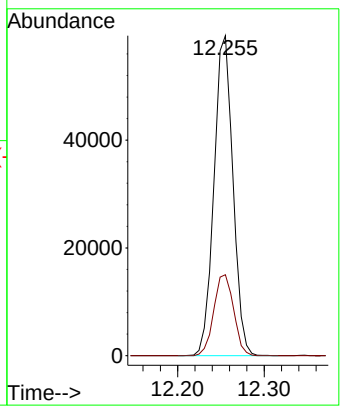




#73
Isopropylbenzene
Concen: 9.590 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 9022

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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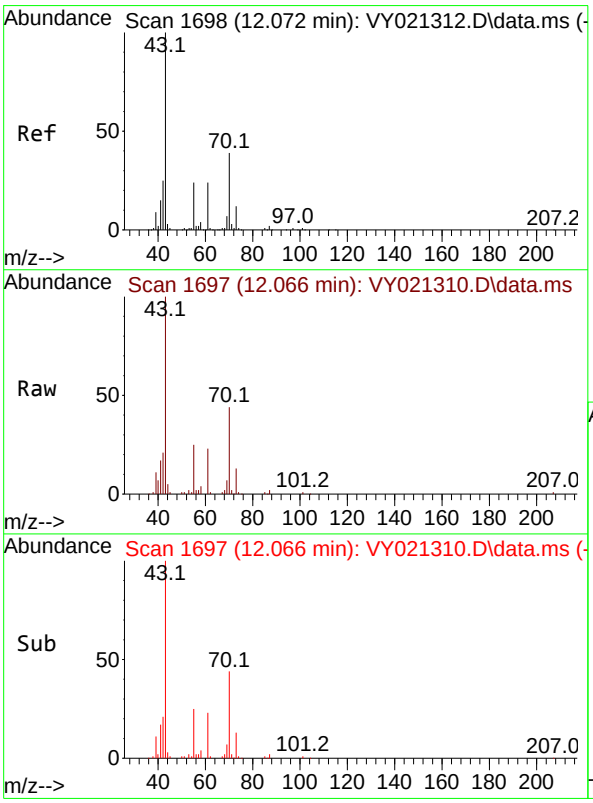
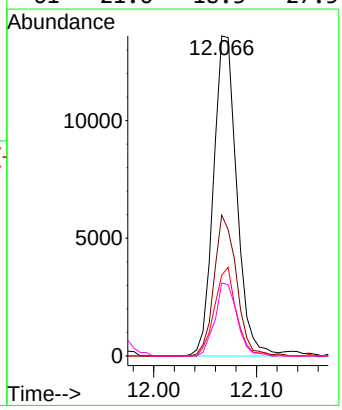
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

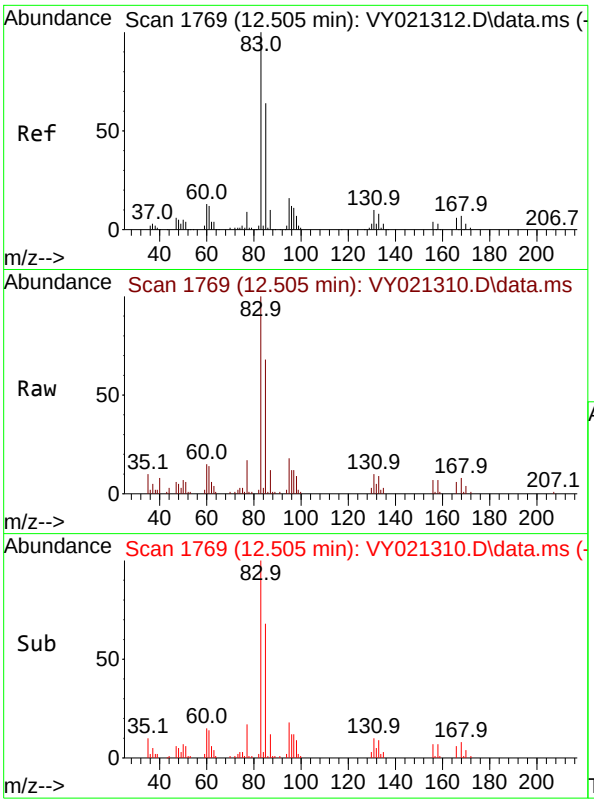


#74
N-amyl acetate
Concen: 8.937 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 21370

Ion	Ratio	Lower	Upper
43	100		
70	42.4	32.2	48.2
55	25.9	19.6	29.4
61	21.6	18.3	27.5

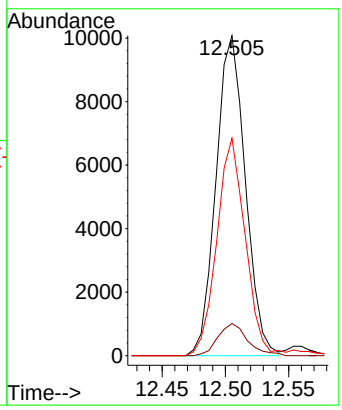




#75
1,1,2,2-Tetrachloroethane
Concen: 9.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 1624

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	65.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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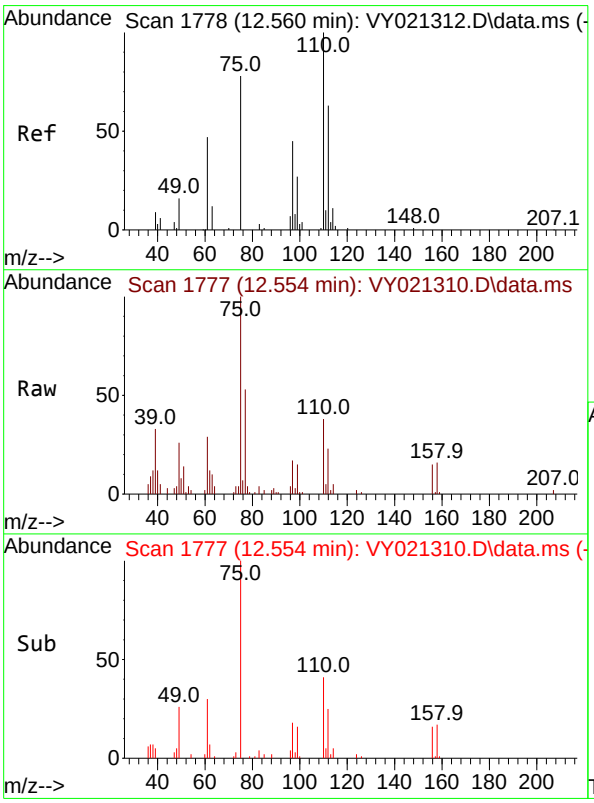
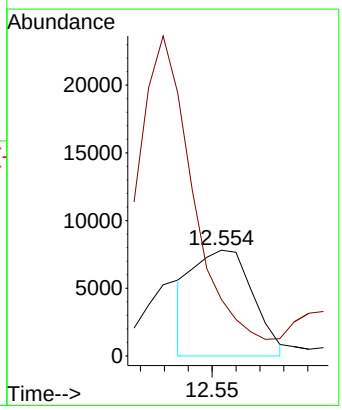
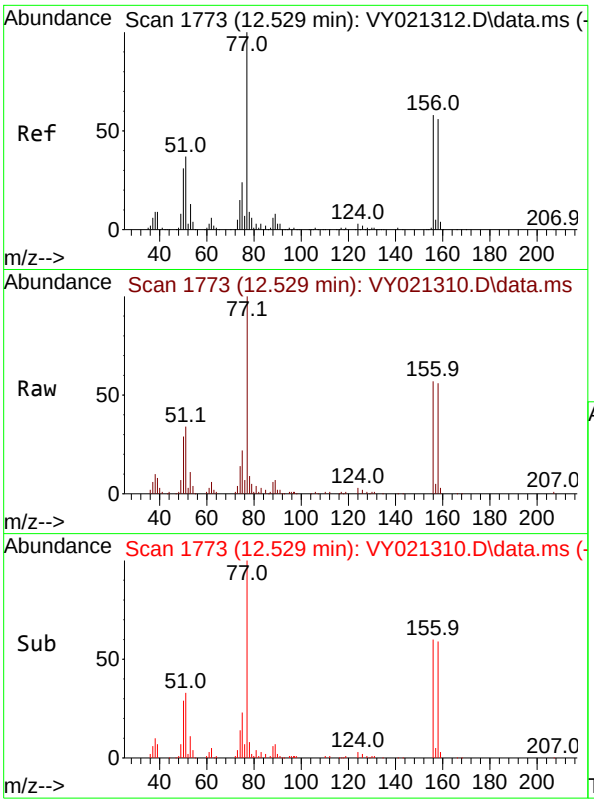


#76
1,2,3-Trichloropropane
Concen: 10.871 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 13699

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

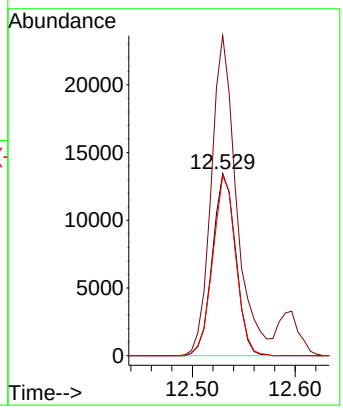




#77
Bromobenzene
Concen: 9.641 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:156 Resp: 2109

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.0	282.1
158	98.2	48.7	146.1



Instrument :
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ClientSampleId :
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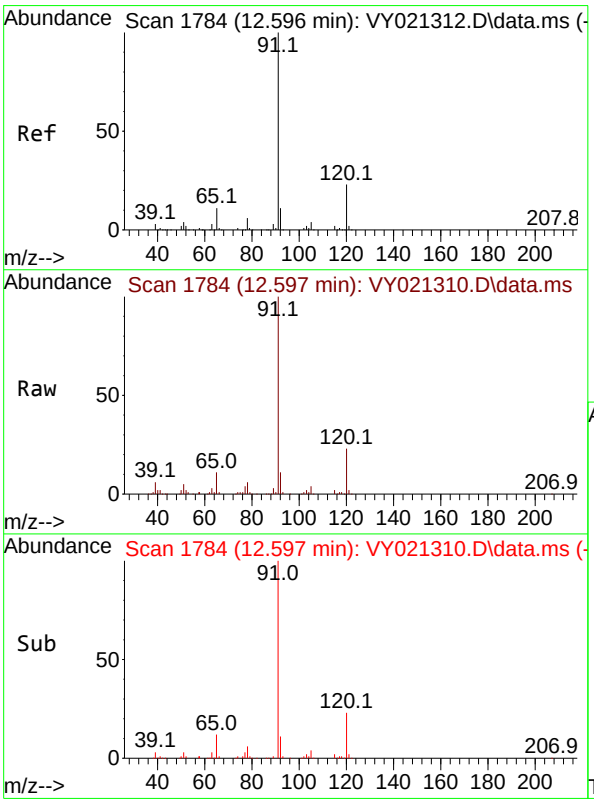
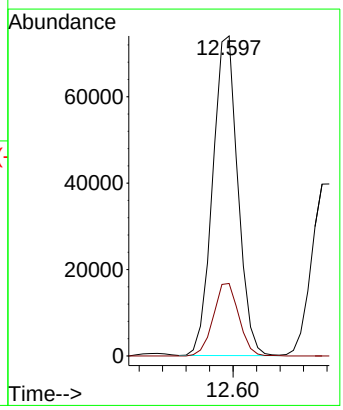
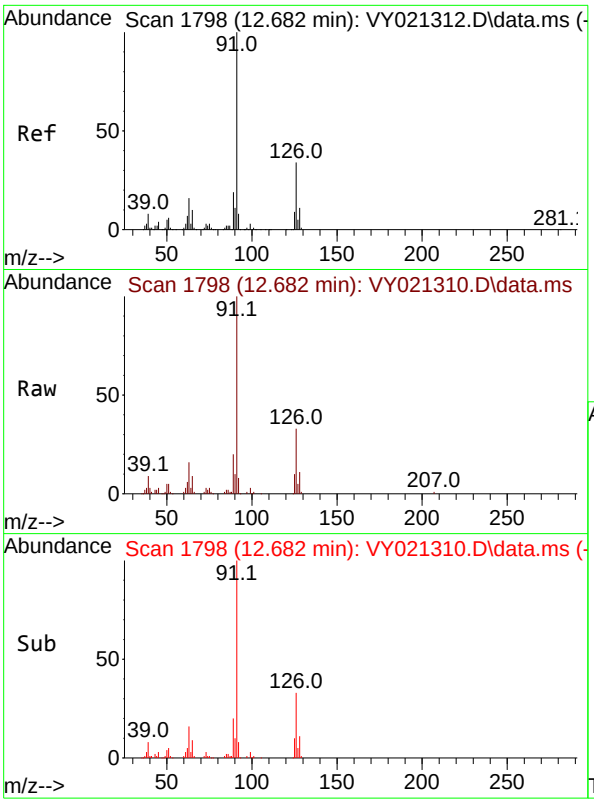


#78
n-propylbenzene
Concen: 9.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 110190

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5

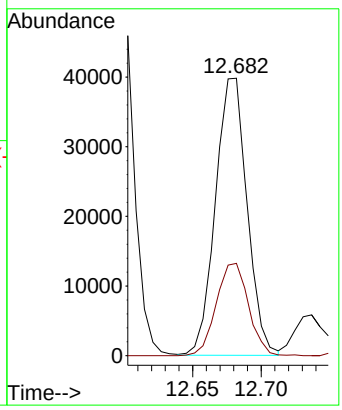




#79
2-Chlorotoluene
Concen: 9.771 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 6401

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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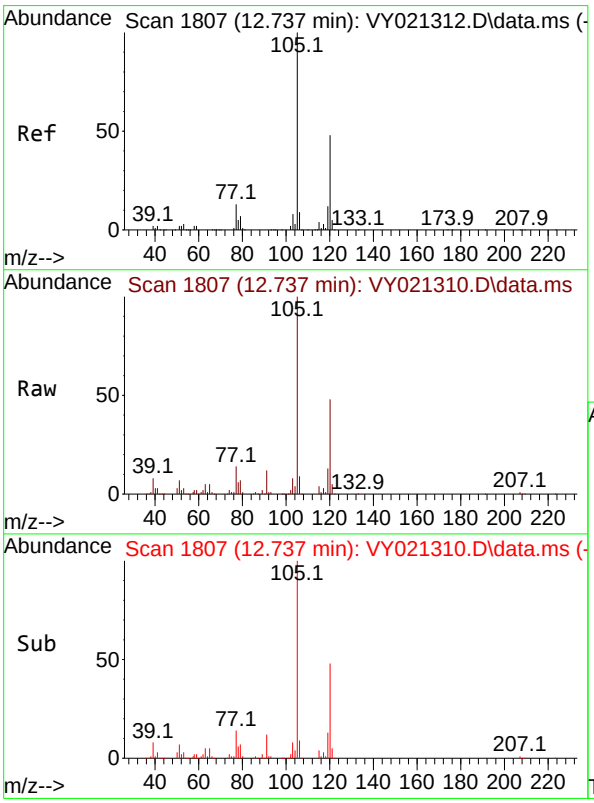
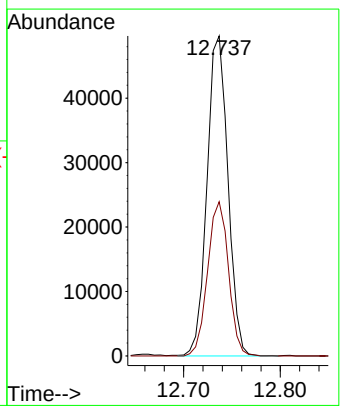
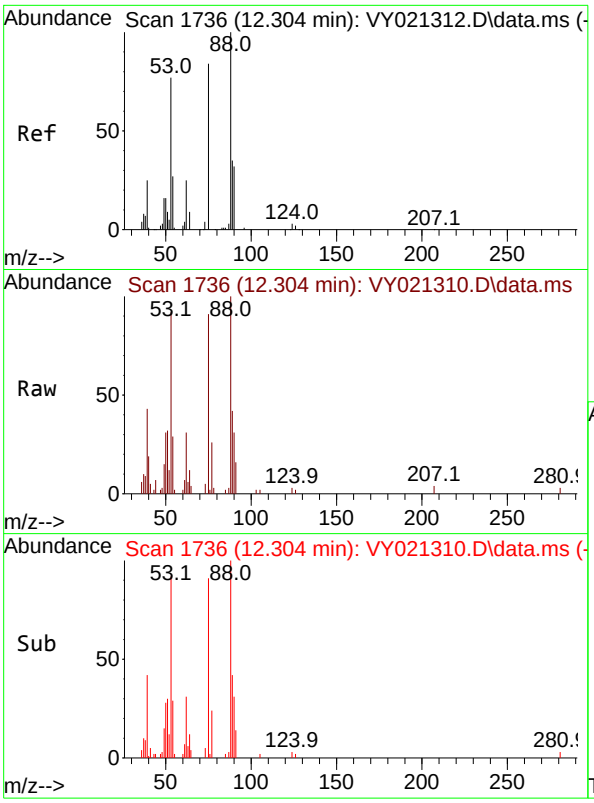


#80
1,3,5-Trimethylbenzene
Concen: 9.655 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74498

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 9.295 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 523

Ion	Ratio	Lower	Upper
75	100		
53	102.5	79.1	118.7
89	47.3	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
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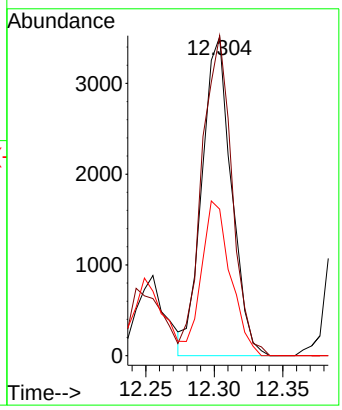
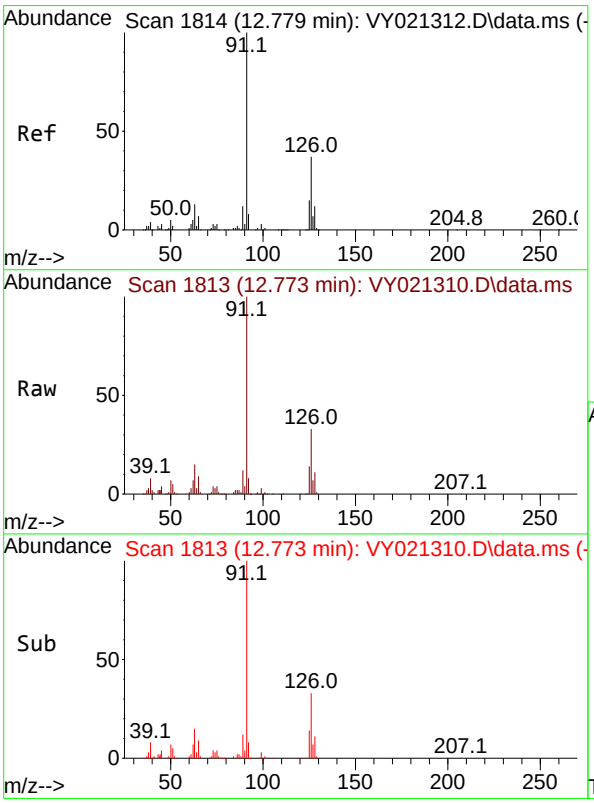
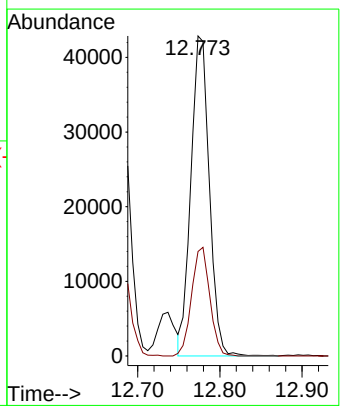


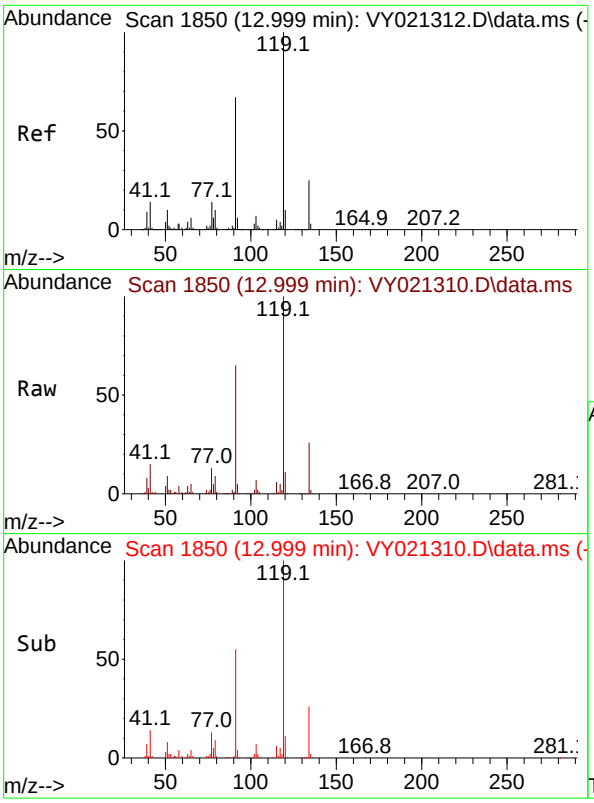


#82
4-Chlorotoluene
Concen: 9.821 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 66701

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

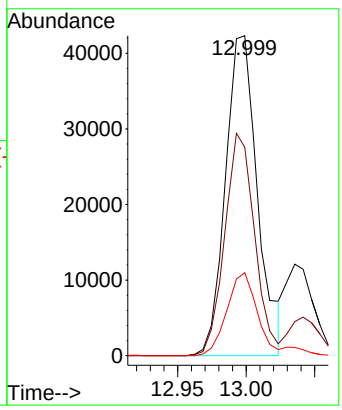




#83
tert-Butylbenzene
Concen: 9.886 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 6890

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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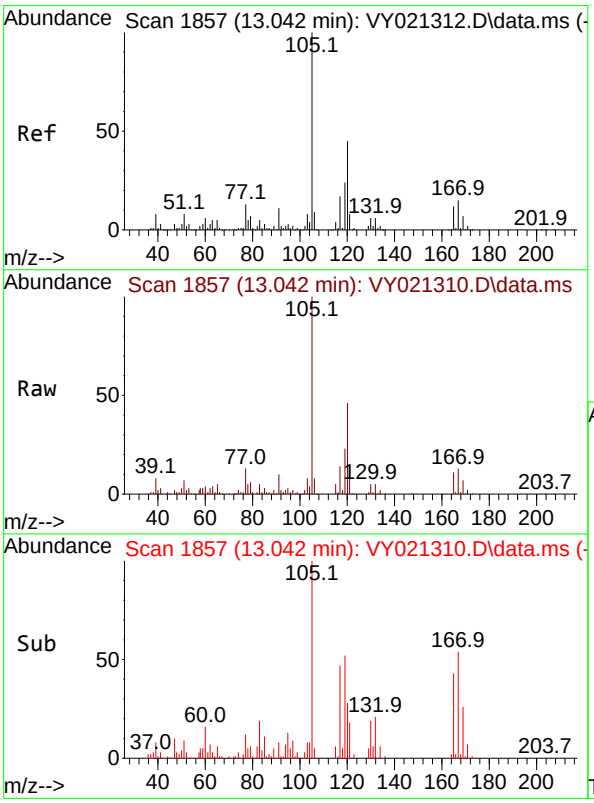
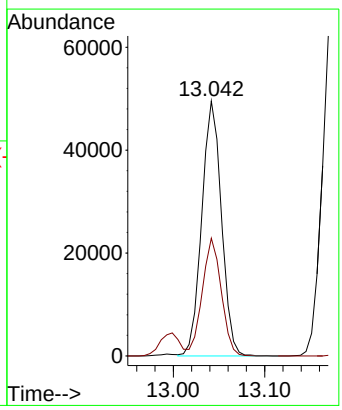
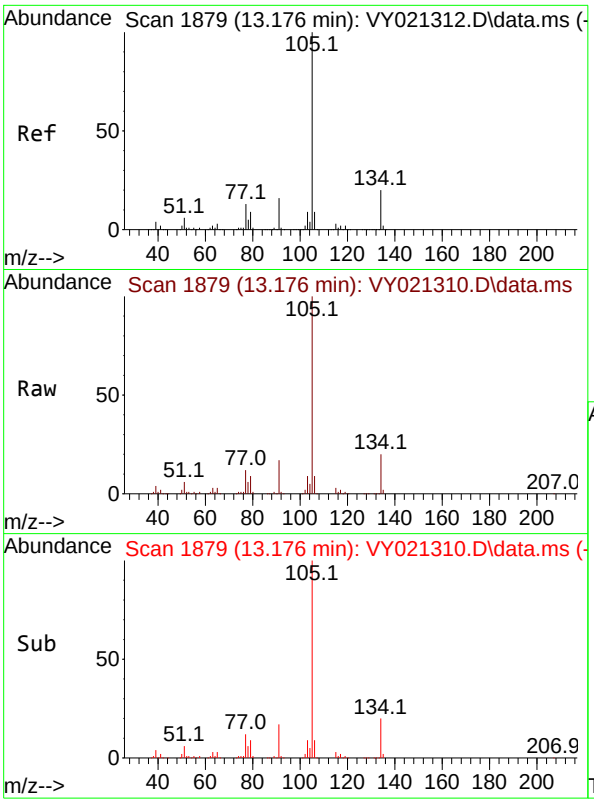


#84
1,2,4-Trimethylbenzene
Concen: 9.647 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74032

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3

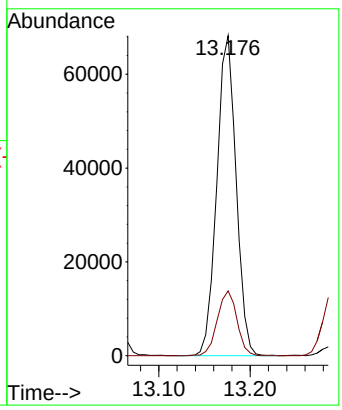




#85
sec-Butylbenzene
Concen: 9.841 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 10018

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0



Instrument :
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ClientSampleId :
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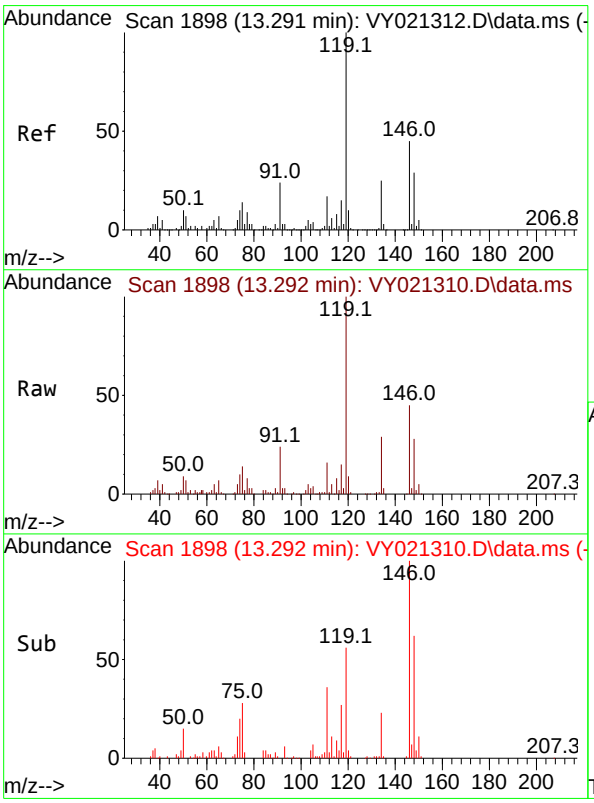
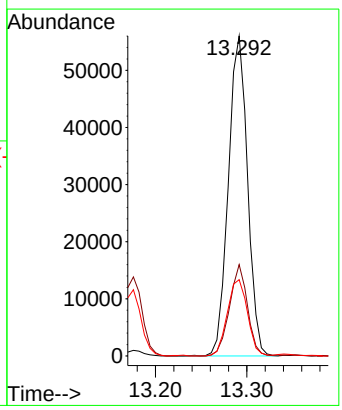
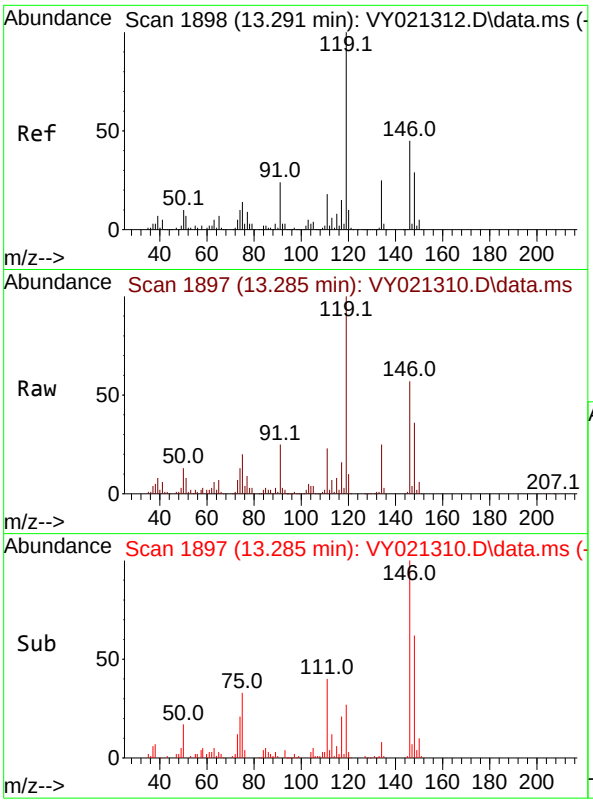


#86
p-Isopropyltoluene
Concen: 9.619 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 81769

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	38.9
91	25.1	12.0	36.1

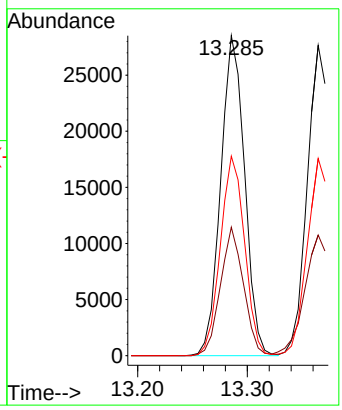




#87
1,3-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 4326

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	59.9
148	63.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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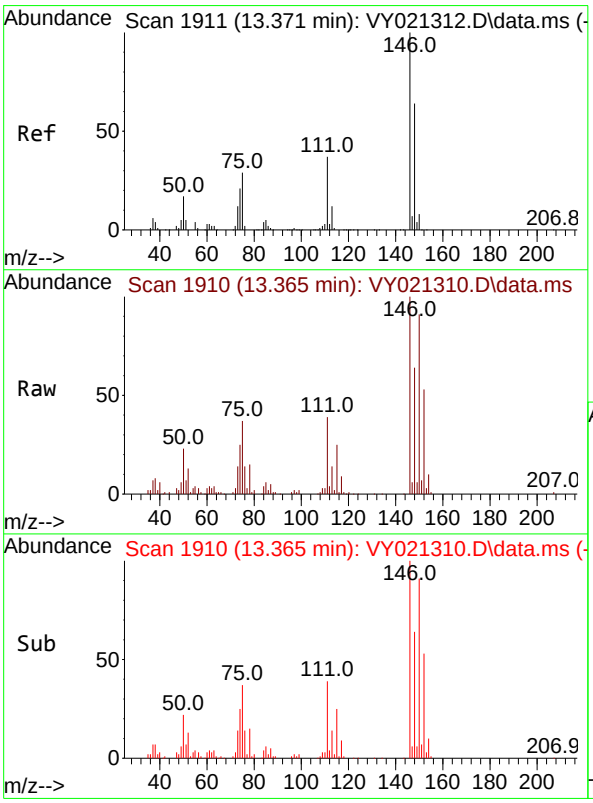
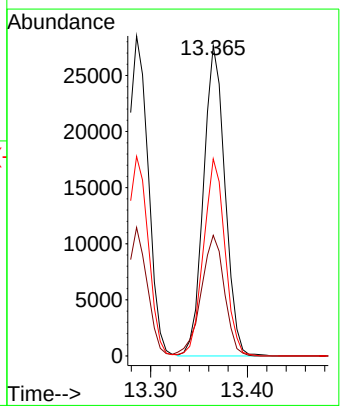
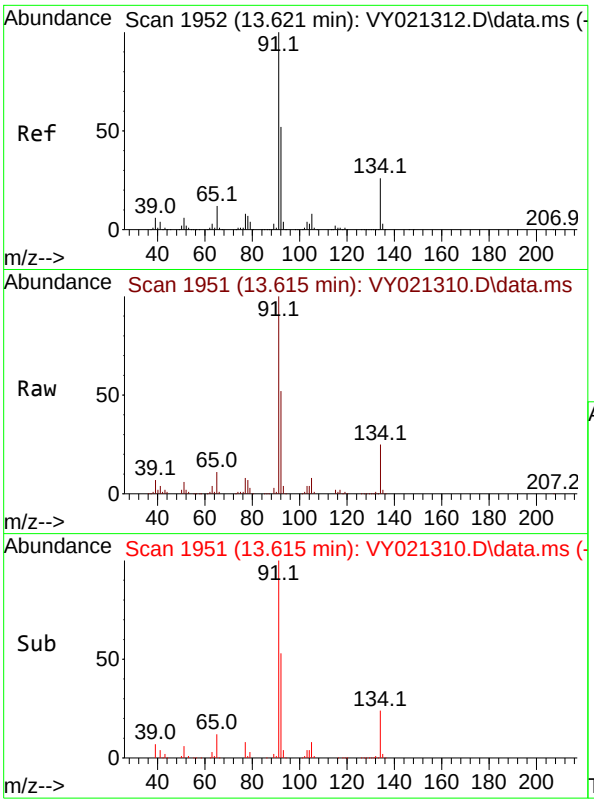


#88
1,4-Dichlorobenzene
Concen: 10.006 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 42788

Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.5	58.5
148	63.5	32.0	96.2

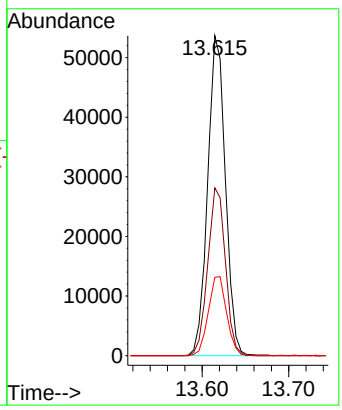




#89
n-Butylbenzene
Concen: 9.541 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 7632

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.5	12.7	38.0



Instrument :
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ClientSampleId :
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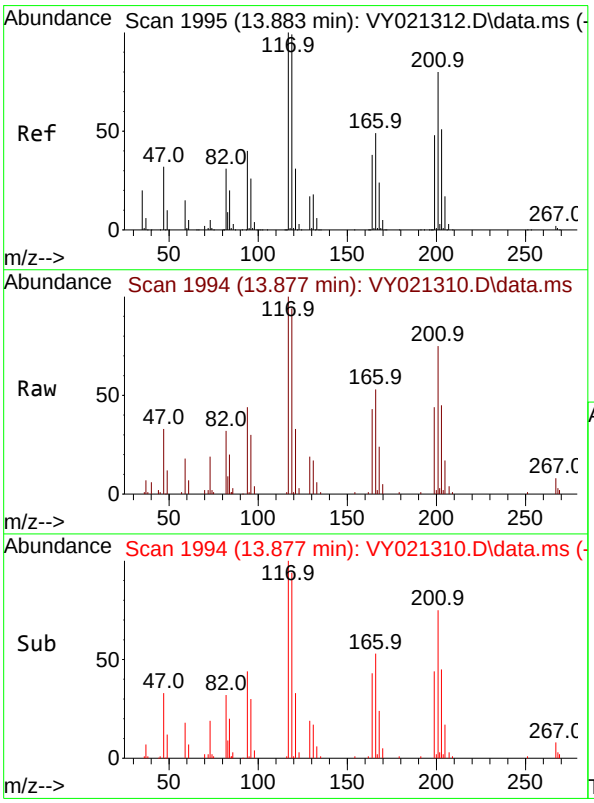
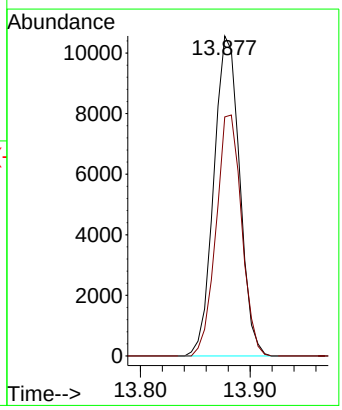
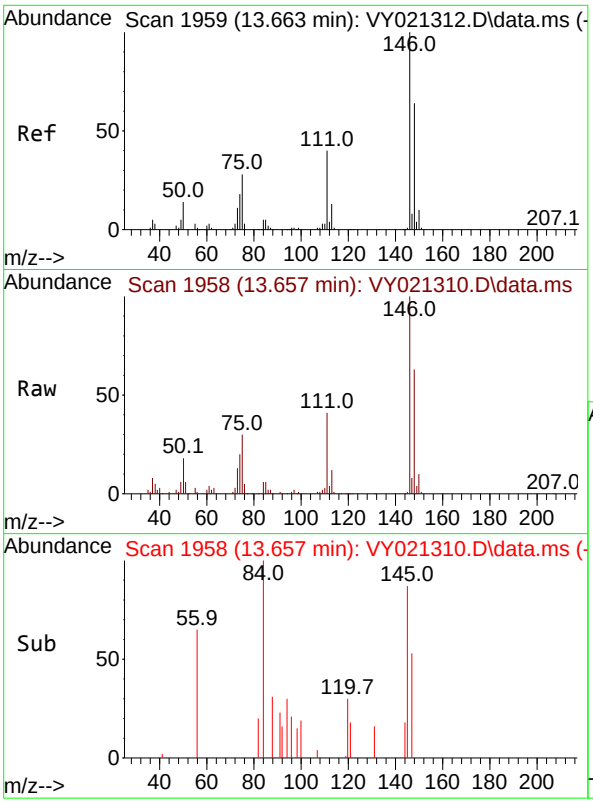


#90
Hexachloroethane
Concen: 9.721 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 17261

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.4	115.2

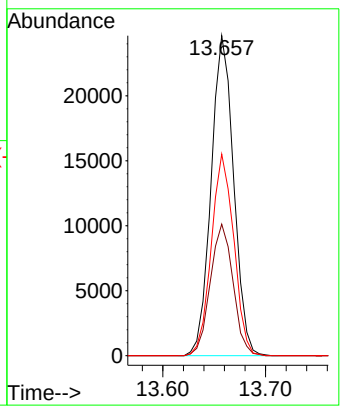




#91
1,2-Dichlorobenzene
Concen: 9.894 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 3752

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	62.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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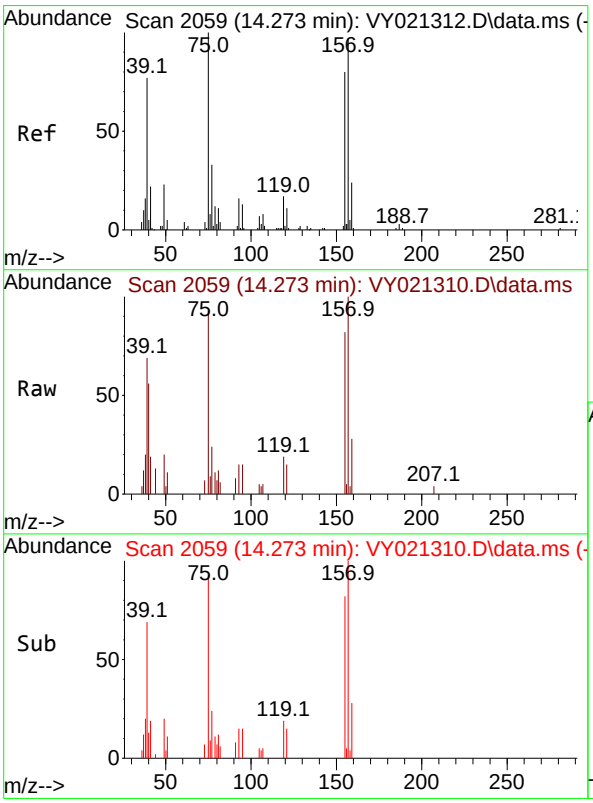
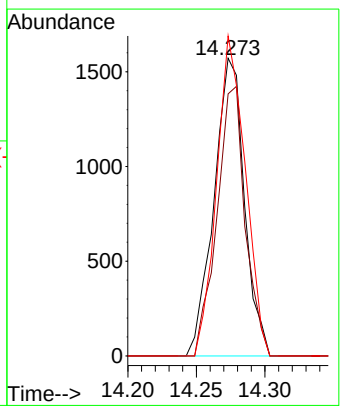
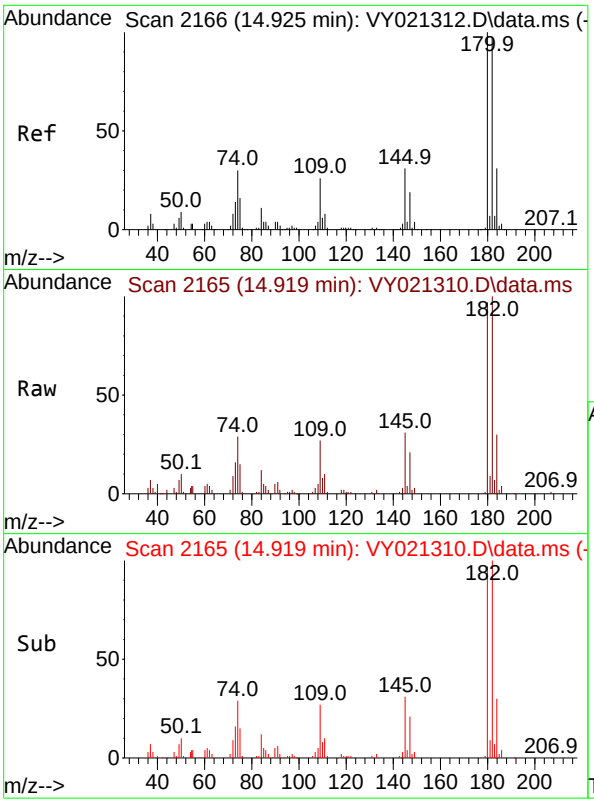


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.229 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2424

Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.9	125.6
157	101.6	52.5	157.6

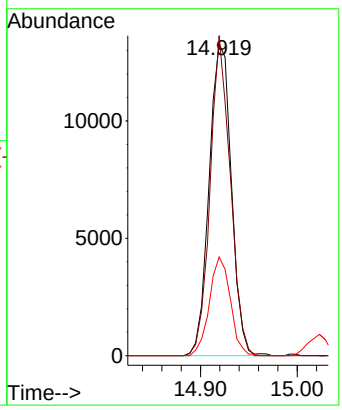




#93
1,2,4-Trichlorobenzene
Concen: 9.174 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 2123

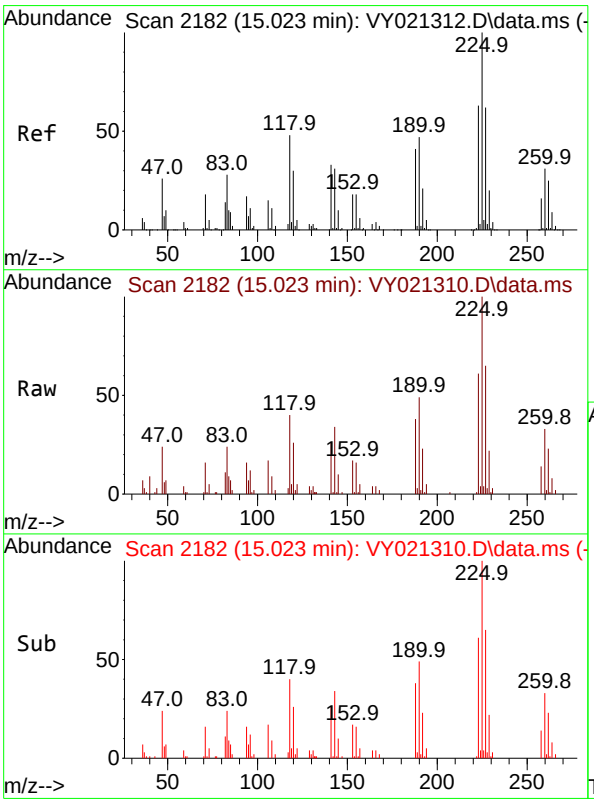
Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	29.9	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

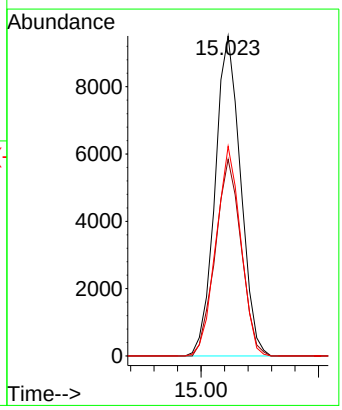
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

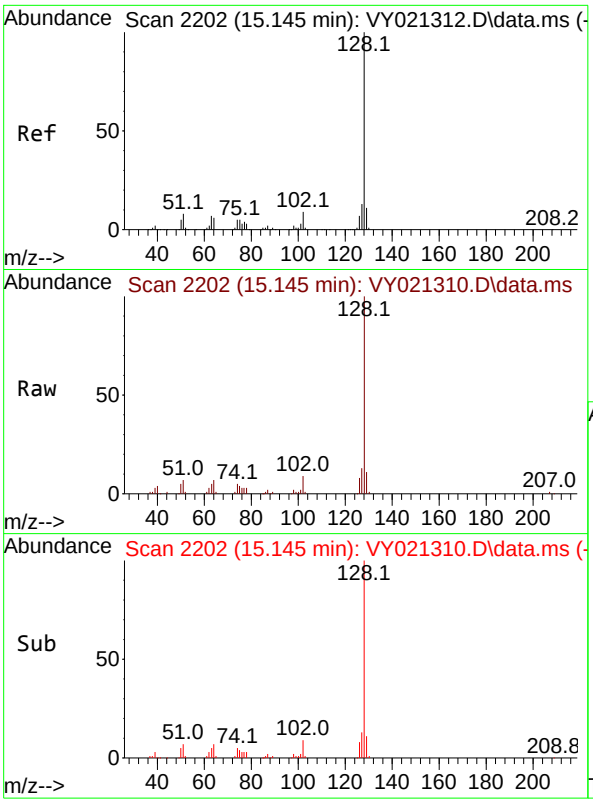


#94
Hexachlorobutadiene
Concen: 9.845 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:225 Resp: 14346

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.4
227	63.4	31.9	95.7

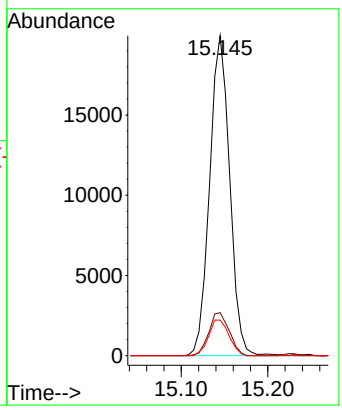




#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:128 Resp: 3209

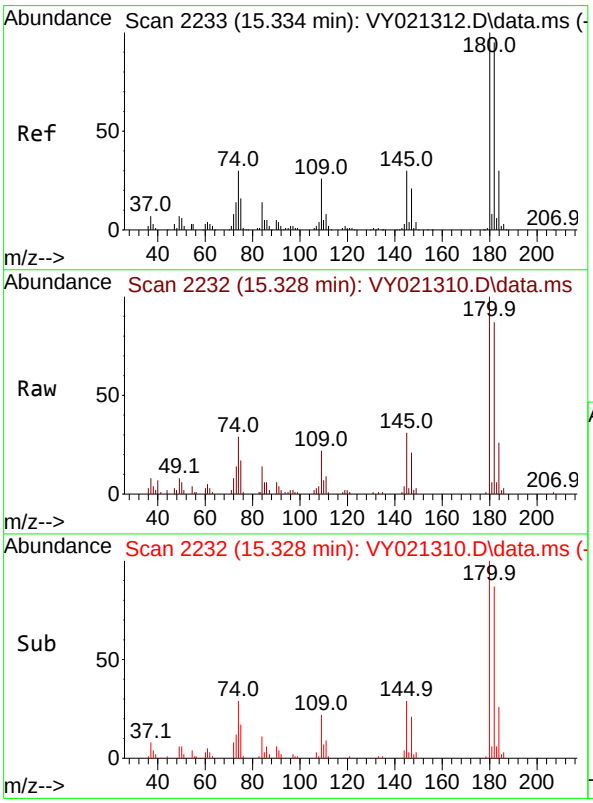
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

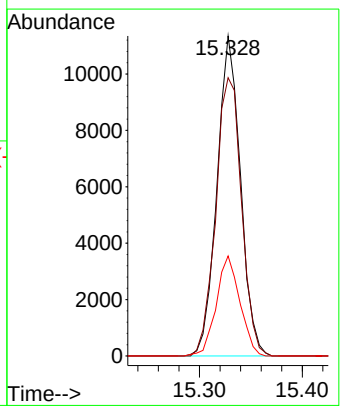
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 17983

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	31.4	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	188363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	293434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	130546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41320	19.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.680%#		
35) Dibromofluoromethane	7.634	113	37265	19.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.740%#		
50) Toluene-d8	10.103	98	144409	19.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#		
62) 4-Bromofluorobenzene	12.408	95	47417	18.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	32511	18.204	ug/l	96
3) Chloromethane	2.068	50	42633	18.484	ug/l	97
4) Vinyl Chloride	2.202	62	41719	18.429	ug/l	100
5) Bromomethane	2.586	94	27198	18.079	ug/l	98
6) Chloroethane	2.726	64	26161	18.635	ug/l	99
7) Trichlorofluoromethane	3.056	101	63170	18.477	ug/l	95
8) Diethyl Ether	3.452	74	19564	19.066	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	37017	18.701	ug/l	99
10) Methyl Iodide	4.001	142	36945	17.741	ug/l	99
11) Tert butyl alcohol	4.860	59	15935	96.952	ug/l	96
12) 1,1-Dichloroethene	3.787	96	34827	18.376	ug/l	98
13) Acrolein	3.647	56	22079	175.300	ug/l	100
14) Allyl chloride	4.379	41	61887	18.417	ug/l	98
15) Acrylonitrile	5.061	53	43763	96.460	ug/l	99
16) Acetone	3.866	43	35506	86.623	ug/l	96
17) Carbon Disulfide	4.104	76	116030	18.437	ug/l	99
18) Methyl Acetate	4.379	43	19534	19.500	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	95488	19.069	ug/l	97
20) Methylene Chloride	4.616	84	40630	18.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	38218	18.317	ug/l	98
22) Diisopropyl ether	6.019	45	132039	18.989	ug/l	97
23) Vinyl Acetate	5.958	43	393629	94.730	ug/l	99
24) 1,1-Dichloroethane	5.909	63	72428	18.480	ug/l	99
25) 2-Butanone	6.890	43	58941	95.278	ug/l	98
26) 2,2-Dichloropropane	6.884	77	63686	17.908	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	44297	18.592	ug/l	98
28) Bromochloromethane	7.244	49	32987	19.022	ug/l	99
29) Tetrahydrofuran	7.256	42	39775	98.365	ug/l	98
30) Chloroform	7.421	83	73639	18.543	ug/l	96
31) Cyclohexane	7.701	56	68531	18.191	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67011	18.538	ug/l	98
36) 1,1-Dichloropropene	7.835	75	53995	18.685	ug/l	100
37) Ethyl Acetate	6.982	43	27188	18.914	ug/l	98
38) Carbon Tetrachloride	7.817	117	59733	18.387	ug/l	98
39) Methylcyclohexane	9.103	83	68516	18.746	ug/l	98
40) Benzene	8.079	78	159536	18.676	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	14108	17.554	ug/l		92
42) 1,2-Dichloroethane	8.152	62	46152	19.043	ug/l		99
43) Isopropyl Acetate	8.195	43	54484	19.583	ug/l		98
44) Trichloroethene	8.866	130	40005	18.706	ug/l		93
45) 1,2-Dichloropropane	9.140	63	38611	18.782	ug/l		100
46) Dibromomethane	9.231	93	21421	19.063	ug/l		99
47) Bromodichloromethane	9.420	83	56033	18.701	ug/l		98
48) Methyl methacrylate	9.219	41	24461	18.801	ug/l		97
49) 1,4-Dioxane	9.225	88	5308	424.825	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	140187	98.430	ug/l		100
52) Toluene	10.170	92	100050	18.854	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	50957	18.563	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	61967	19.122	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	27942	19.088	ug/l		99
56) Ethyl methacrylate	10.438	69	36997	18.291	ug/l		95
57) 1,3-Dichloropropane	10.713	76	49499	19.270	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	93377	96.179	ug/l		100
59) 2-Hexanone	10.762	43	90882	97.163	ug/l		100
60) Dibromochloromethane	10.908	129	37808	18.964	ug/l		99
61) 1,2-Dibromoethane	11.012	107	26519	19.135	ug/l		99
64) Tetrachloroethene	10.646	164	36387	18.595	ug/l		97
65) Chlorobenzene	11.438	112	107621	18.519	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	37487	18.422	ug/l		99
67) Ethyl Benzene	11.518	91	189052	18.366	ug/l		99
68) m/p-Xylenes	11.627	106	144073	37.210	ug/l		99
69) o-Xylene	11.950	106	67060	18.488	ug/l		100
70) Styrene	11.969	104	113033	18.729	ug/l		99
71) Bromoform	12.133	173	21886	18.800	ug/l	#	99
73) Isopropylbenzene	12.255	105	179489	18.288	ug/l		99
74) N-amyl acetate	12.072	43	47224	18.930	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32419	18.717	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	23402m	17.801	ug/l		
77) Bromobenzene	12.530	156	42078	18.433	ug/l		99
78) n-propylbenzene	12.597	91	220158	18.486	ug/l		100
79) 2-Chlorotoluene	12.676	91	125969	18.430	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	150004	18.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10866	18.483	ug/l		99
82) 4-Chlorotoluene	12.780	91	130335	18.396	ug/l		100
83) tert-Butylbenzene	12.999	119	135829	18.681	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	149358	18.657	ug/l		99
85) sec-Butylbenzene	13.176	105	196335	18.486	ug/l		100
86) p-Isopropyltoluene	13.292	119	165127	18.620	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	83463	18.483	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	83179	18.646	ug/l		99
89) n-Butylbenzene	13.615	91	153032	18.337	ug/l		100
90) Hexachloroethane	13.877	117	33341	17.998	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	73513	18.581	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5181	18.908	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	42908	17.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	27015	17.771	ug/l		99
95) Naphthalene	15.145	128	71044	17.763	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	36460	17.871	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

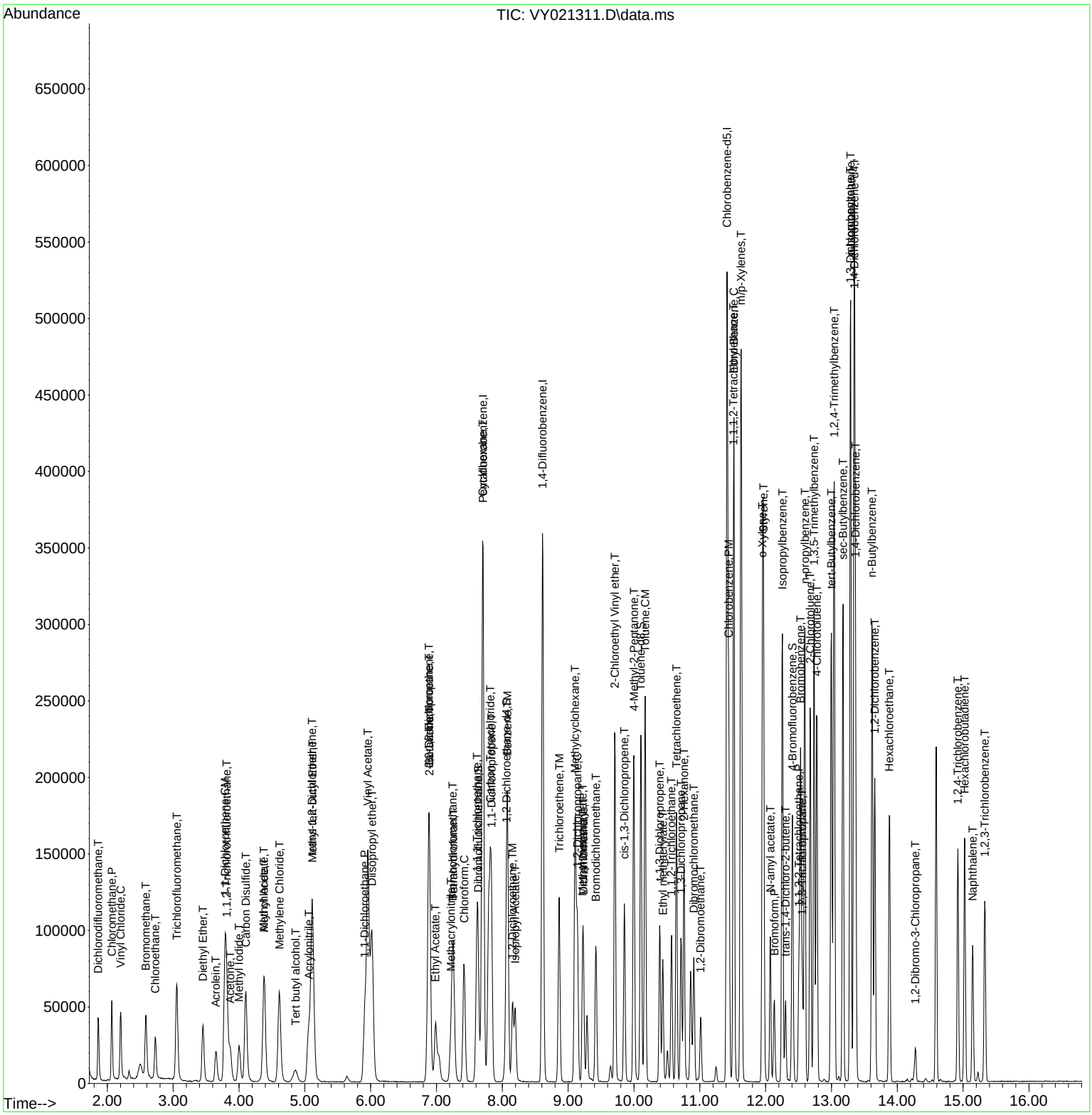
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

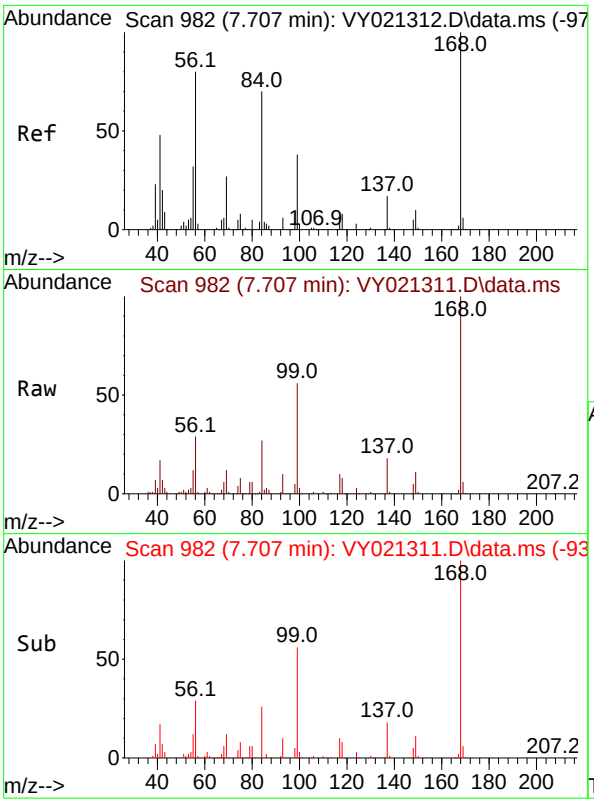
Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

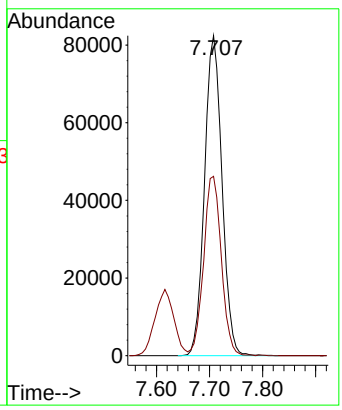




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:168 Resp: 18836

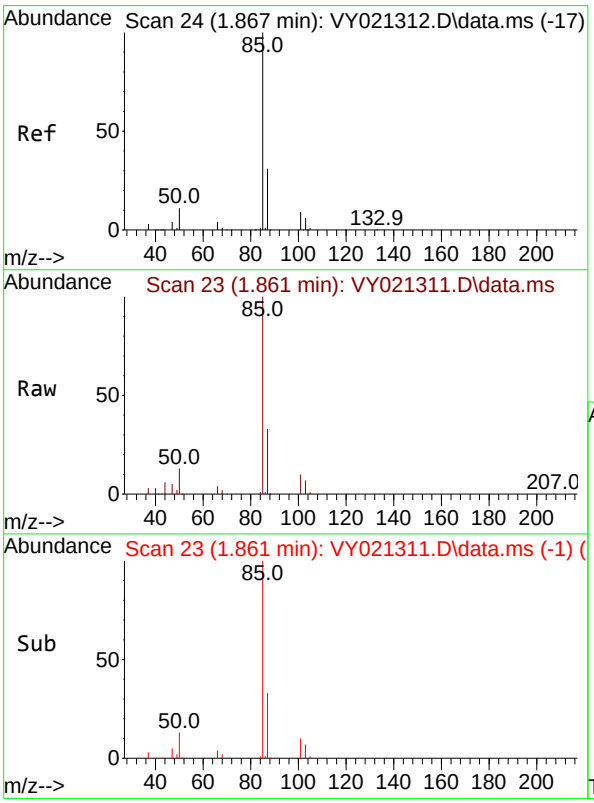
Ion	Ratio	Lower	Upper
168	100		
99	56.0	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

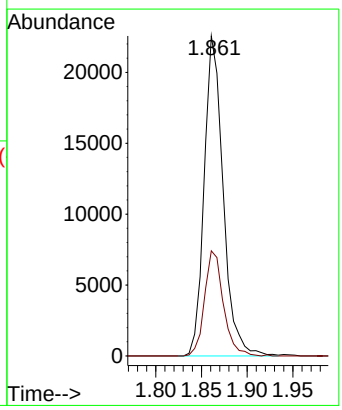
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

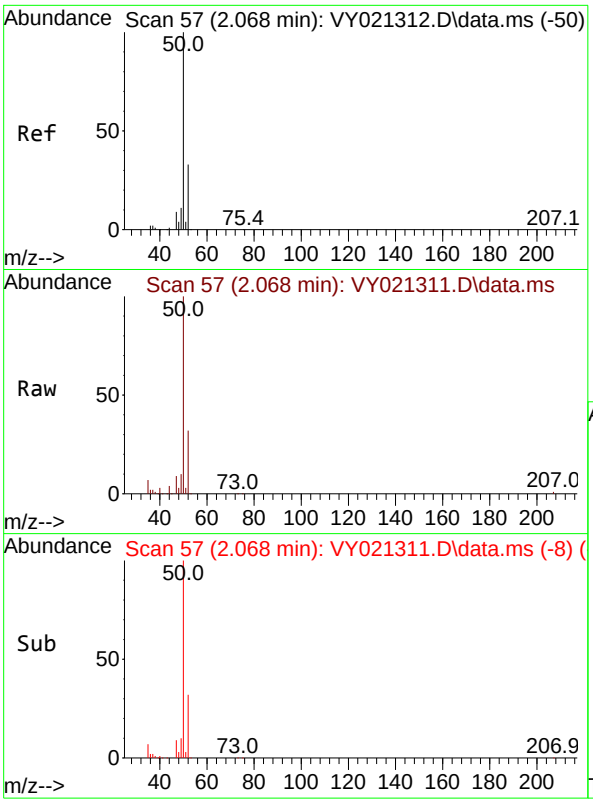


#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 32511

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.4

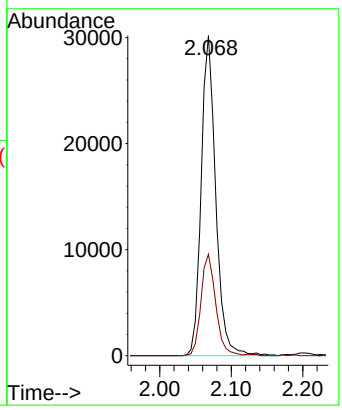




#3
Chloromethane
Concen: 18.484 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 50 Resp: 4263

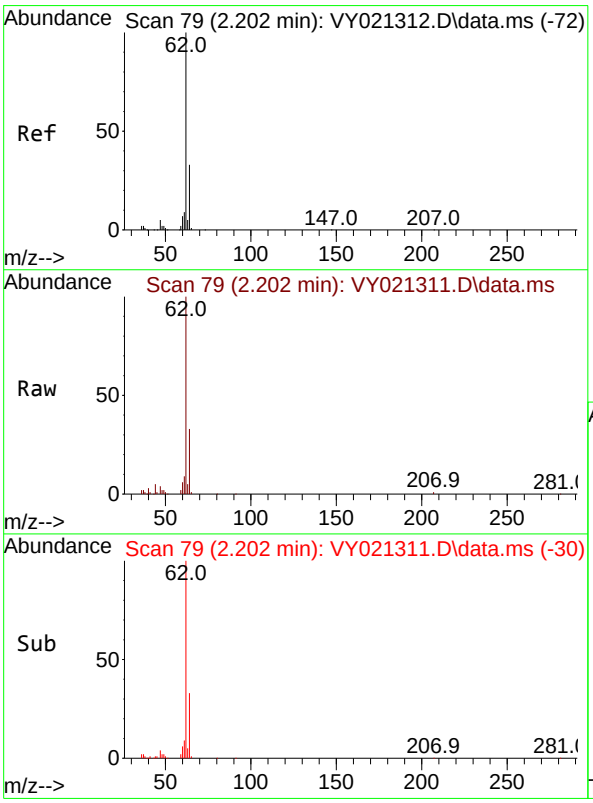
Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

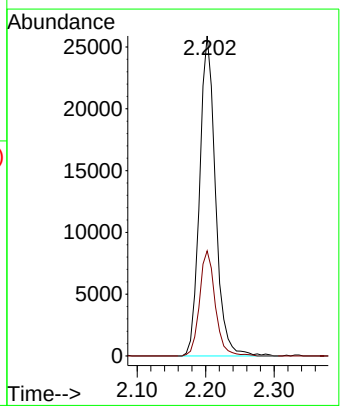
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

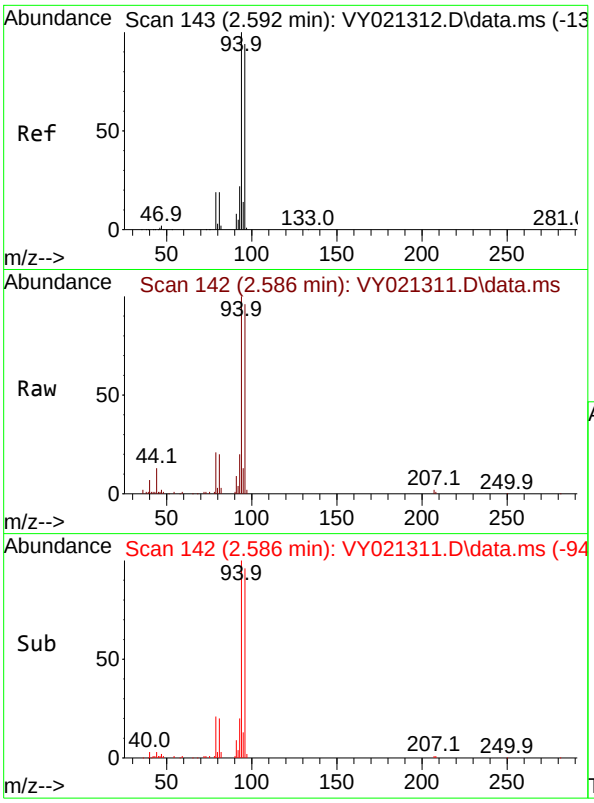


#4
Vinyl Chloride
Concen: 18.429 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 41719

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.3	39.5





#5
Bromomethane
Concen: 18.079 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 94 Resp: 2719

Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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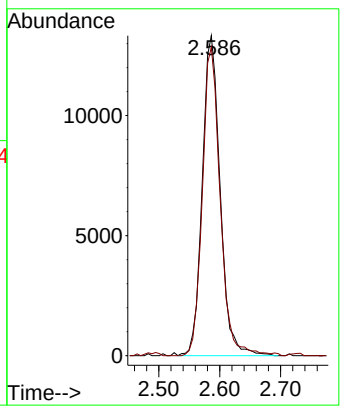
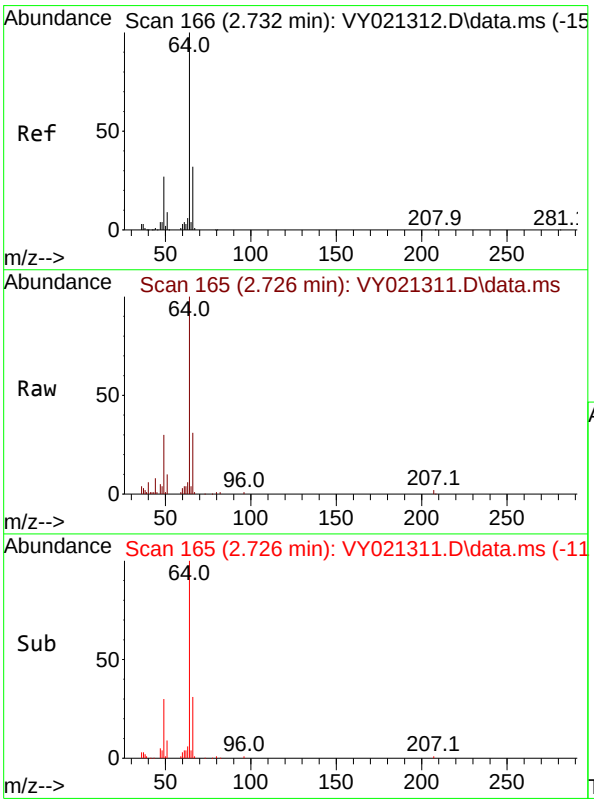
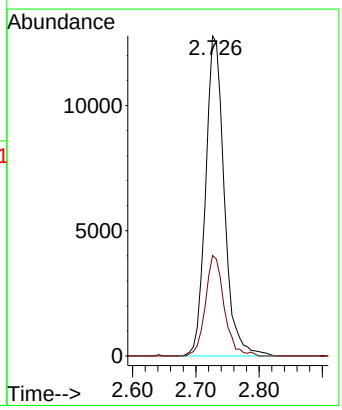


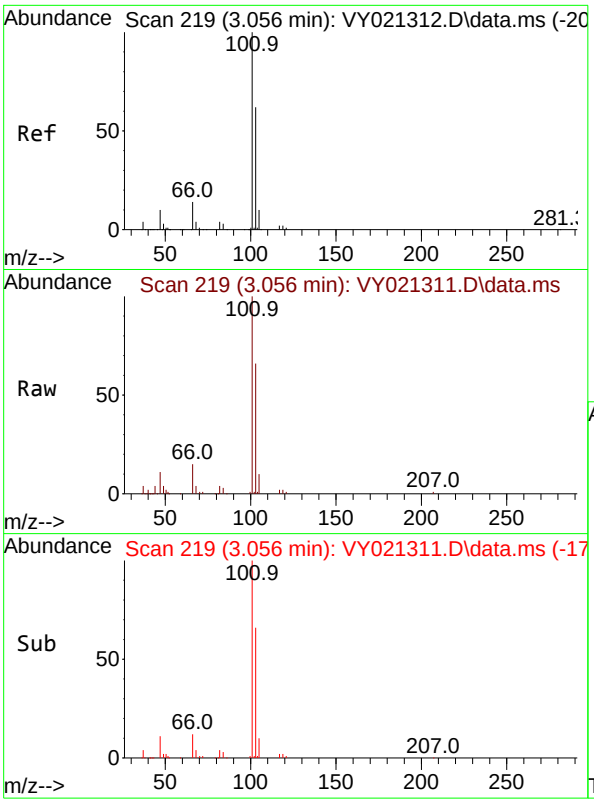


#6
Chloroethane
Concen: 18.635 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 64 Resp: 26161

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.4	38.0

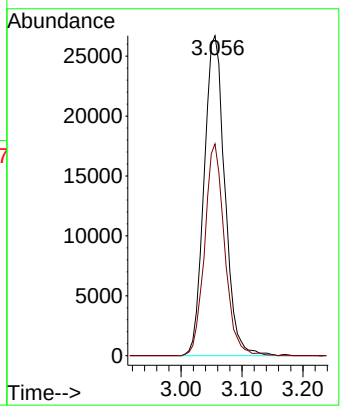




#7
Trichlorofluoromethane
Concen: 18.477 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 6317

Ion	Ratio	Lower	Upper
101	100		
103	66.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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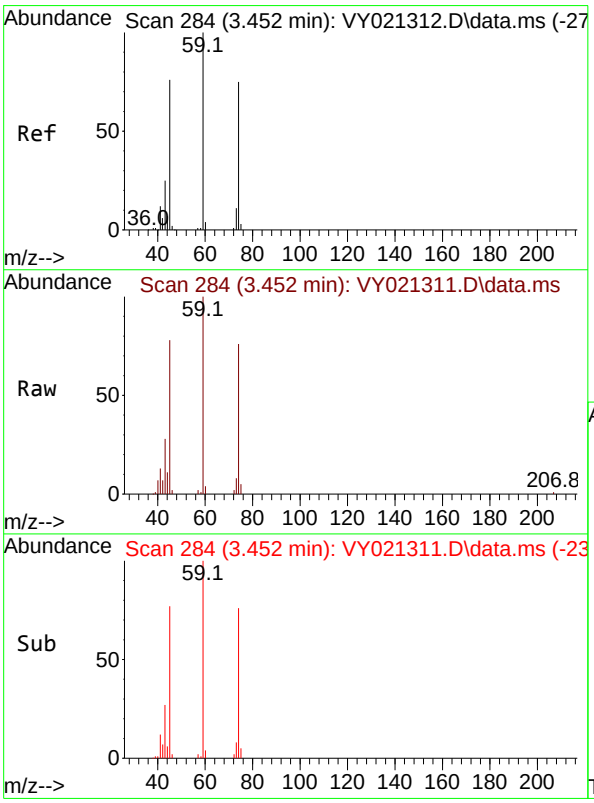
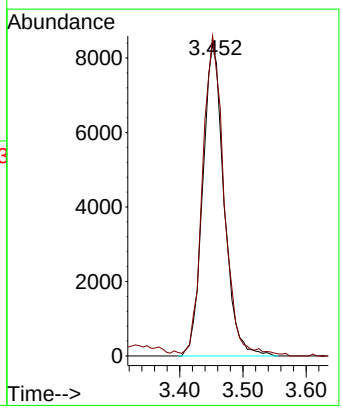
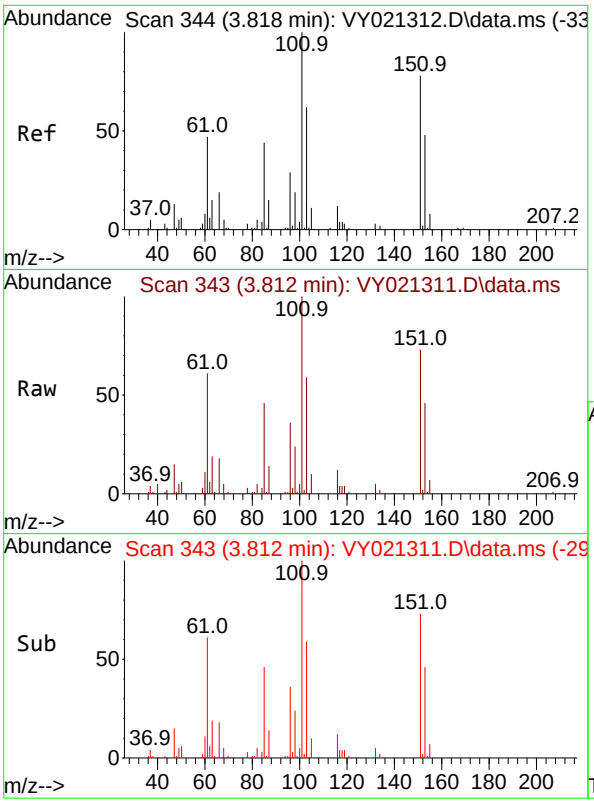


#8
Diethyl Ether
Concen: 19.066 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 74 Resp: 19564

Ion	Ratio	Lower	Upper
74	100		
45	104.3	50.3	150.9

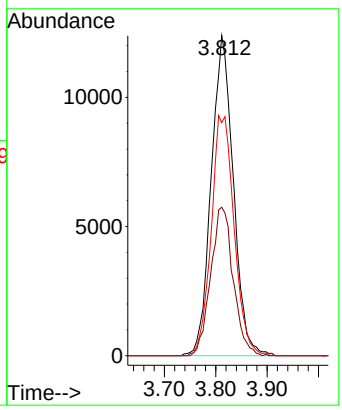




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.701 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 3701

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.7	55.1
151	77.8	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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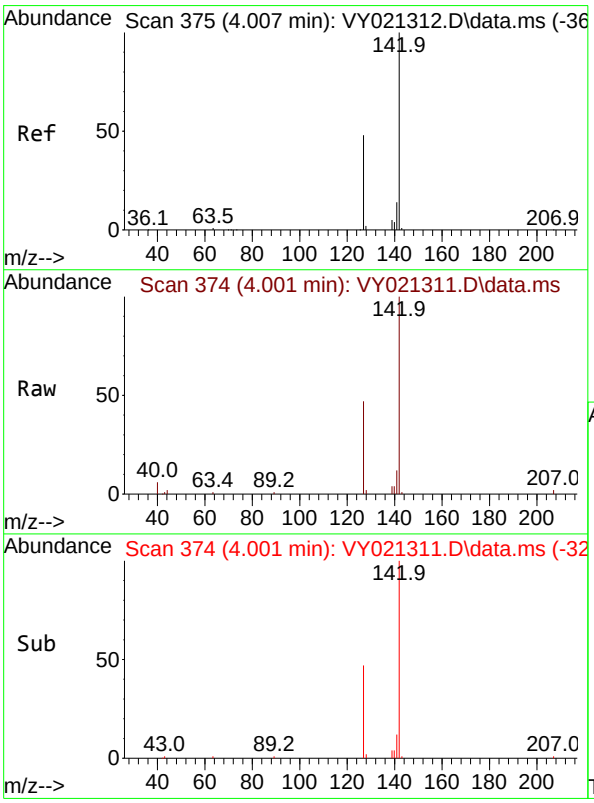
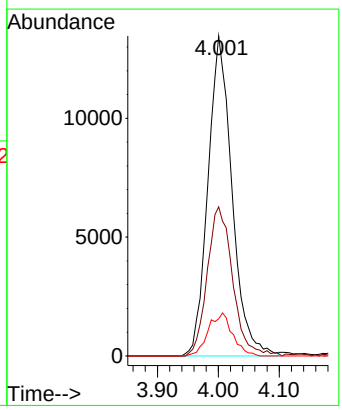
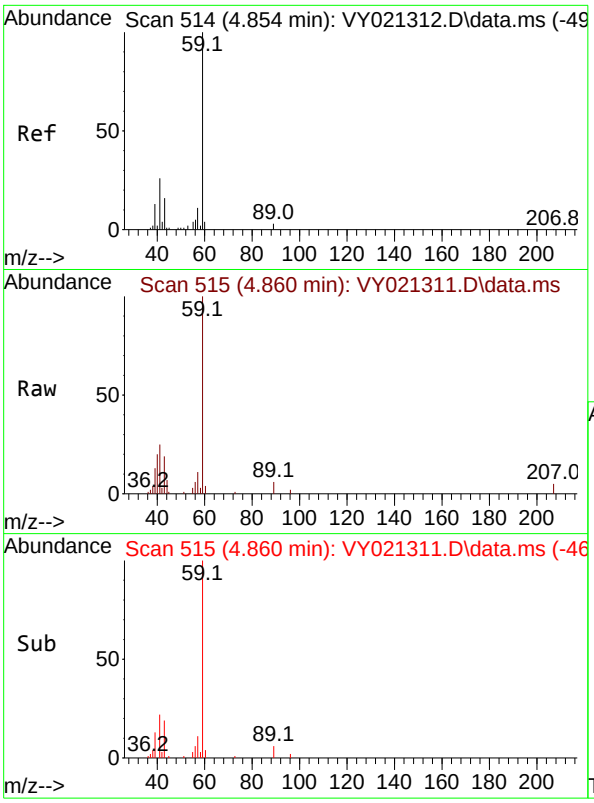


#10
Methyl Iodide
Concen: 17.741 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:142 Resp: 36945

Ion	Ratio	Lower	Upper
142	100		
127	49.1	39.2	58.8
141	13.5	11.4	17.2

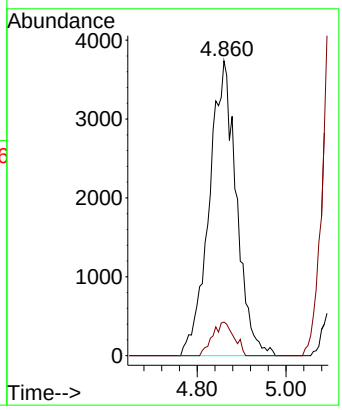




#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 59 Resp: 1593

Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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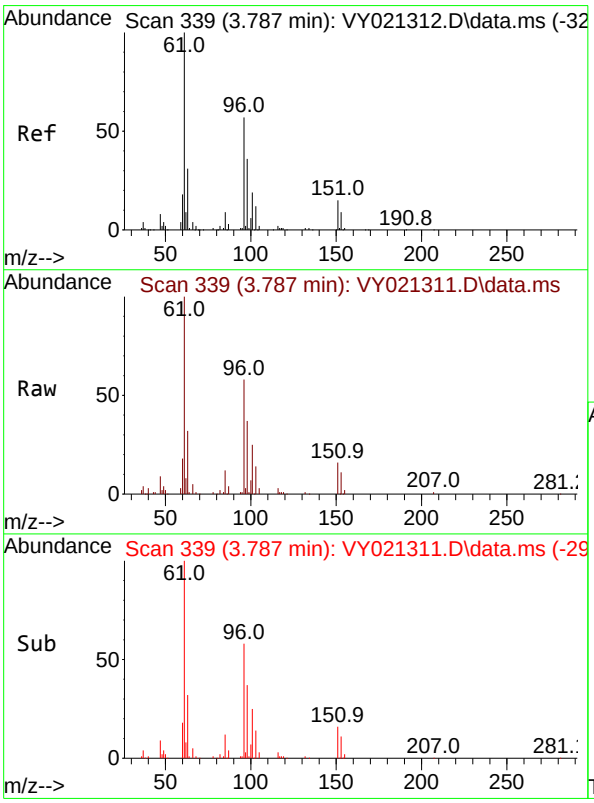
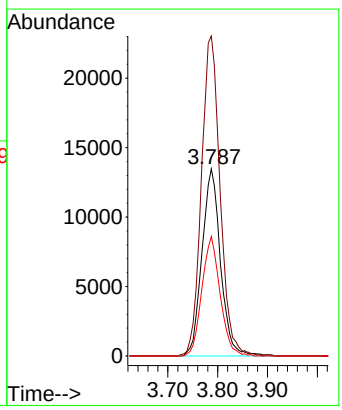
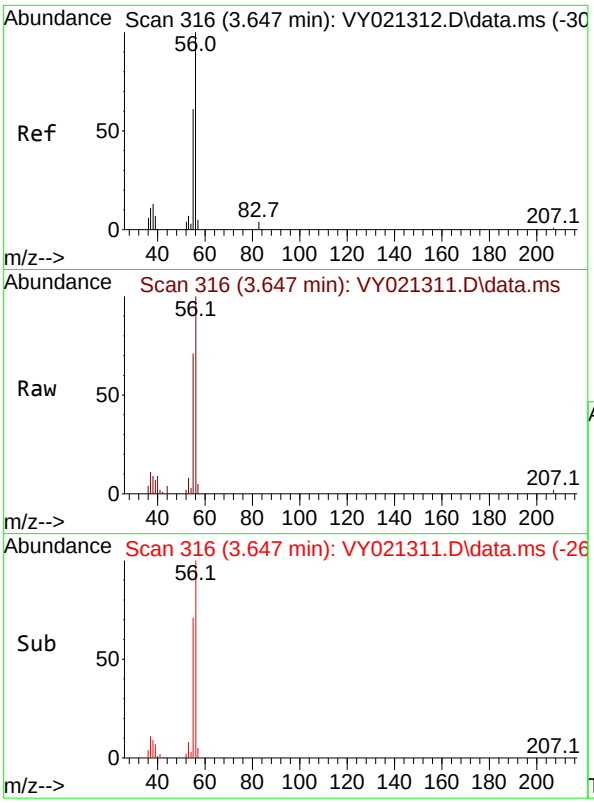


#12
1,1-Dichloroethene
Concen: 18.376 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 34827

Ion	Ratio	Lower	Upper
96	100		
61	171.1	139.7	209.5
98	63.8	49.7	74.5

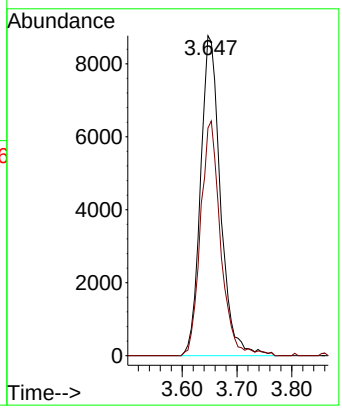




#13
Acrolein
Concen: 175.300 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 56 Resp: 2207

Ion	Ratio	Lower	Upper
56	100		
55	74.0	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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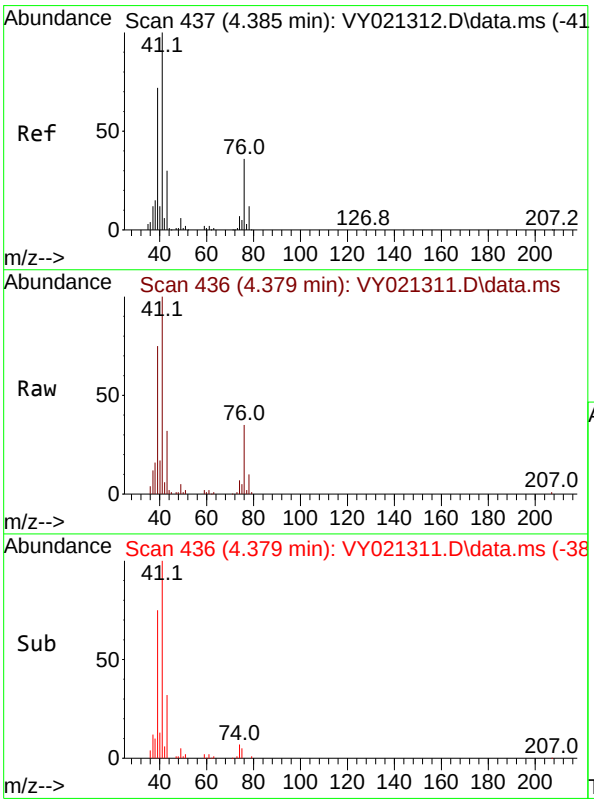
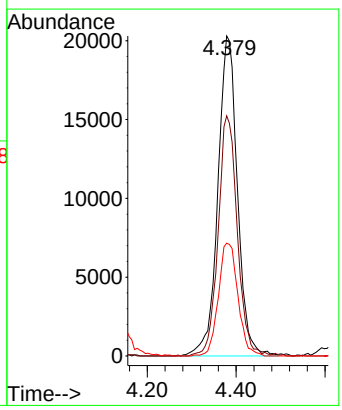
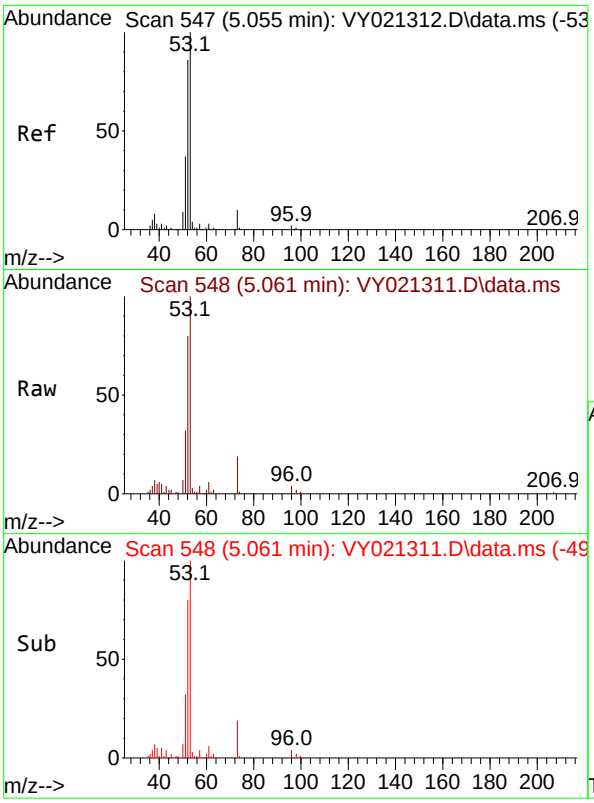


#14
Allyl chloride
Concen: 18.417 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 61887

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.0	90.0
76	35.2	29.0	43.6

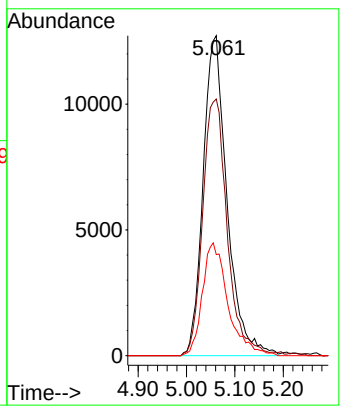




#15
Acrylonitrile
Concen: 96.460 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 53 Resp: 4376

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.8	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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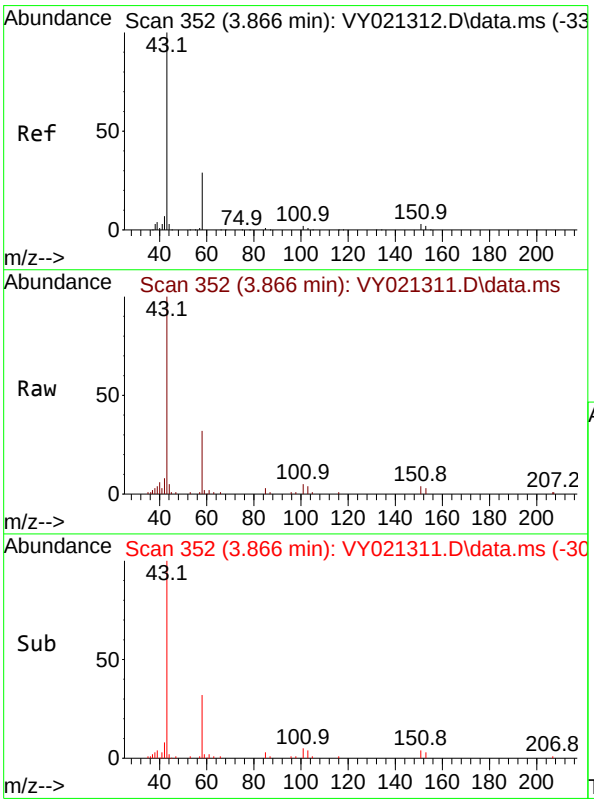
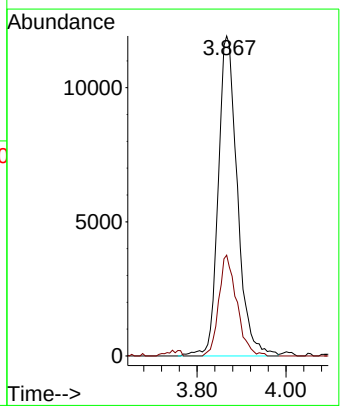
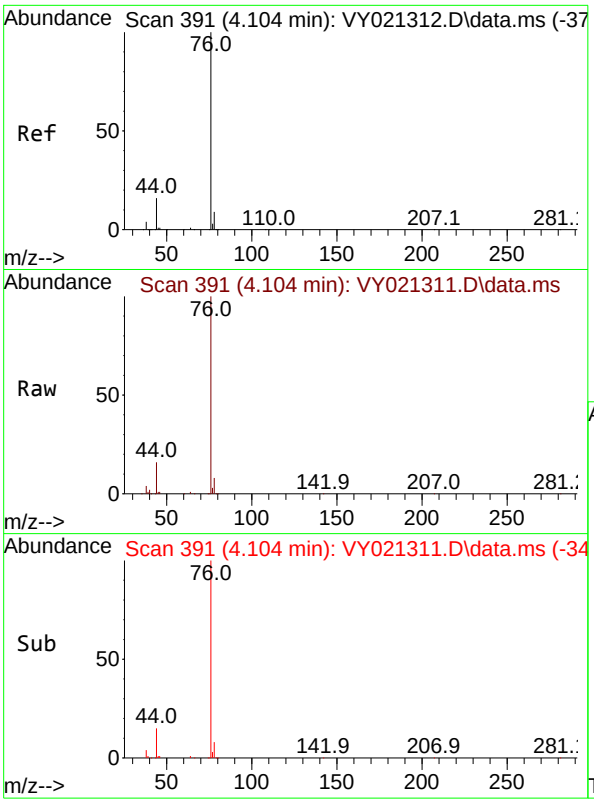


#16
Acetone
Concen: 86.623 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 35506

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.5	35.3

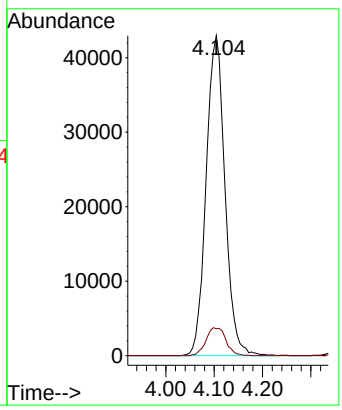




#17
Carbon Disulfide
Concen: 18.437 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 76 Resp: 11603

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
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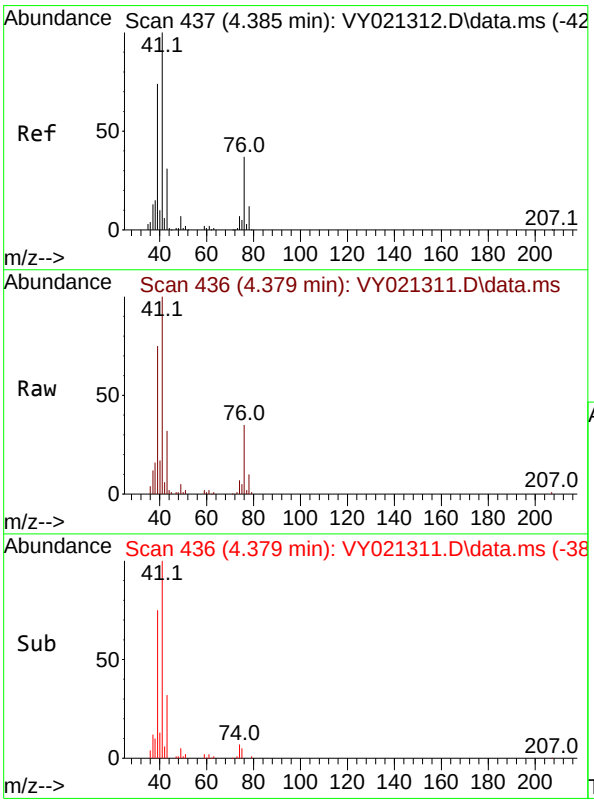
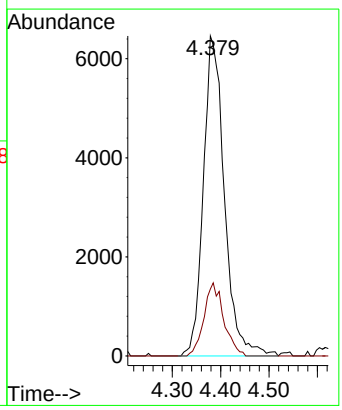
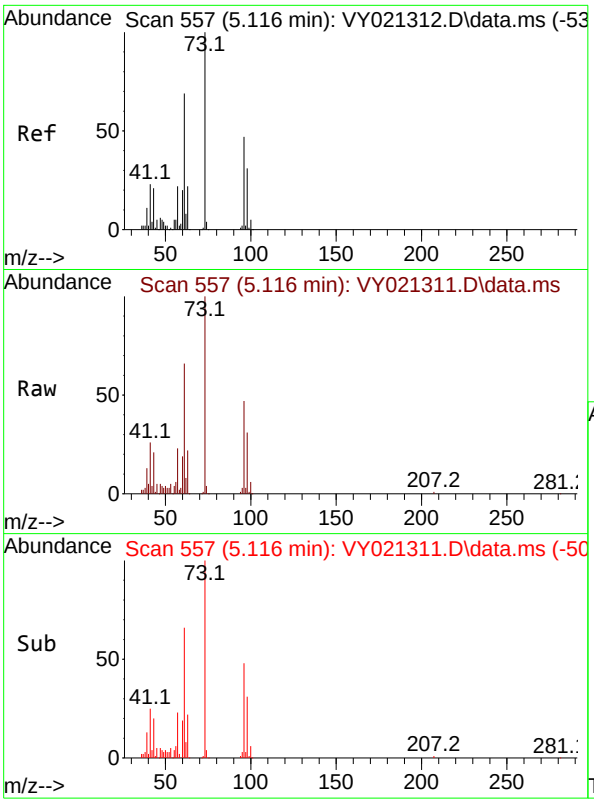


#18
Methyl Acetate
Concen: 19.500 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 19534

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.7	26.5

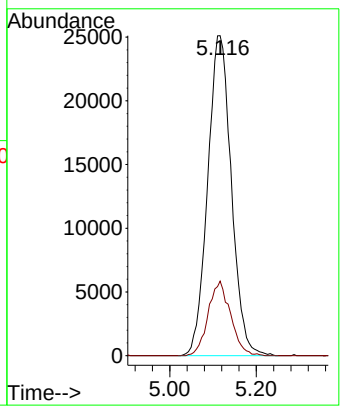




#19
Methyl tert-butyl Ether
Concen: 19.069 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 73 Resp: 9548

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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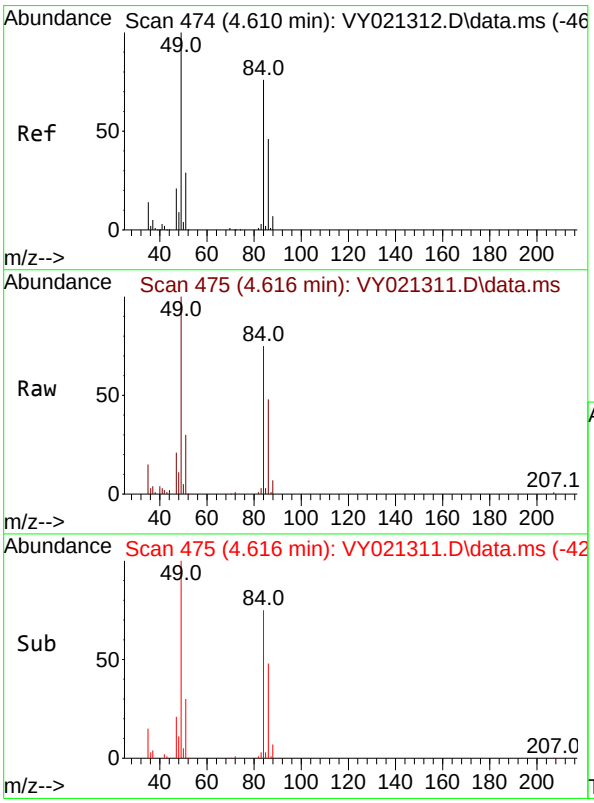
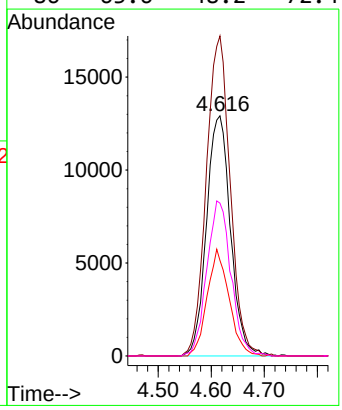
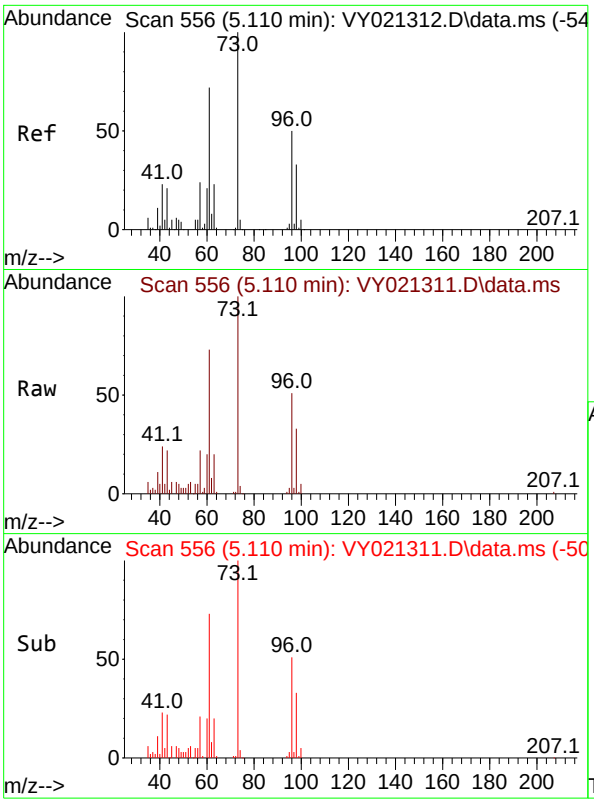


#20
Methylene Chloride
Concen: 18.331 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 40630

Ion	Ratio	Lower	Upper
84	100		
49	133.3	105.1	157.7
51	39.8	31.0	46.4
86	63.6	48.2	72.4

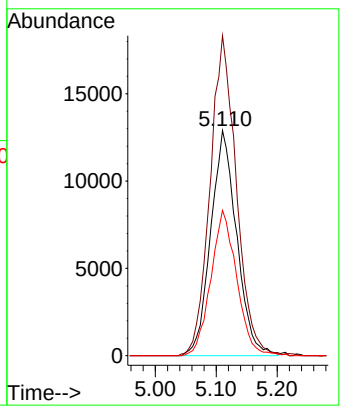




#21
trans-1,2-Dichloroethene
Concen: 18.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 3821

Ion	Ratio	Lower	Upper
96	100		
61	142.1	116.3	174.5
98	64.5	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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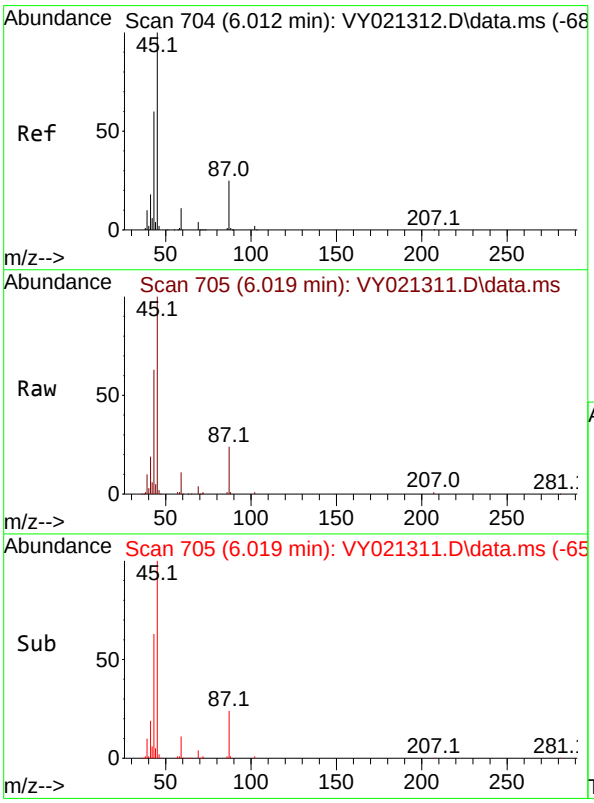
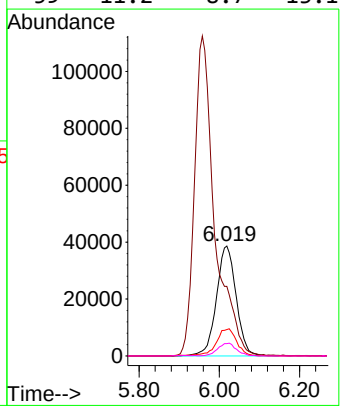
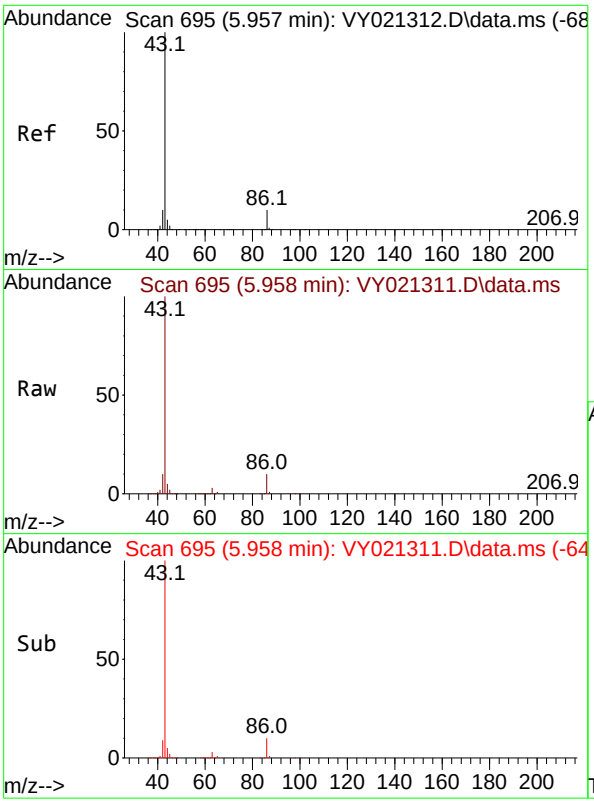


#22
Diisopropyl ether
Concen: 18.989 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 45 Resp: 132039

Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.2	72.4
87	24.1	20.3	30.5
59	11.2	8.7	13.1





#23
Vinyl Acetate
Concen: 94.730 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 39362

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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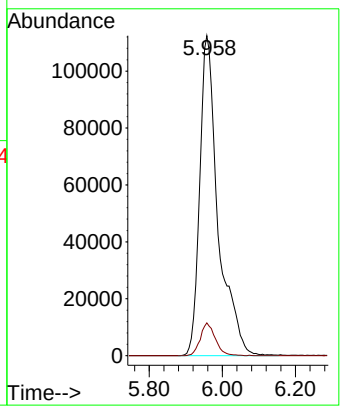
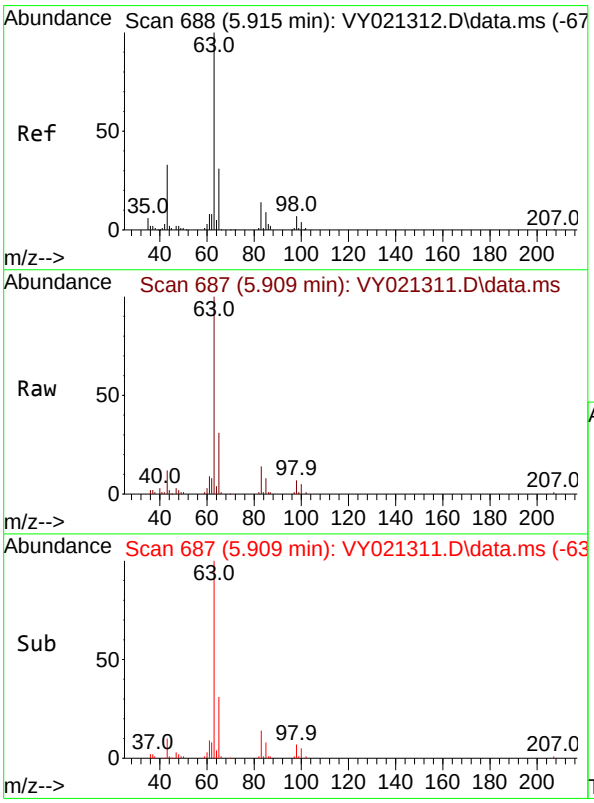
Supervised By :Mahesh Dadoda 02/26/2025

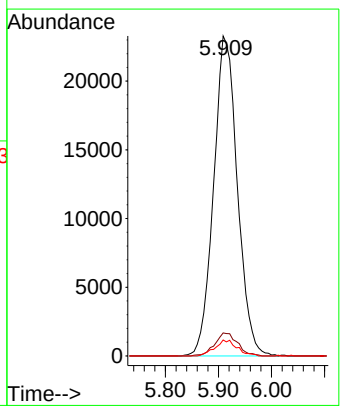


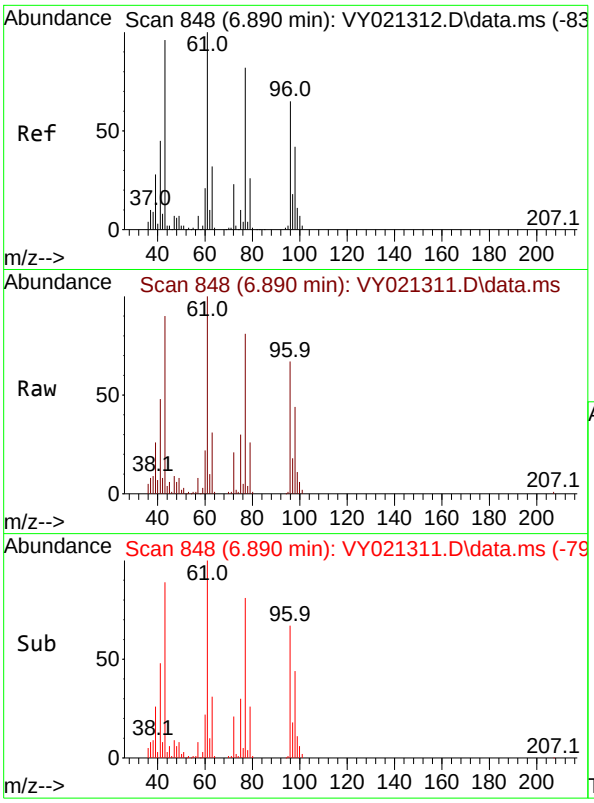


#24
1,1-Dichloroethane
Concen: 18.480 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 72428

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	5.0	2.1	6.5

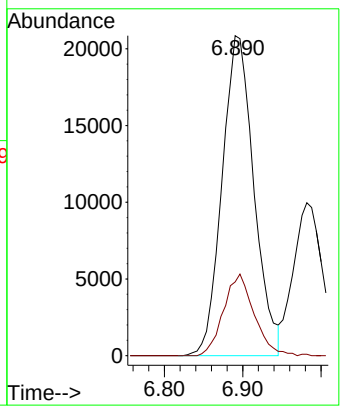




#25
2-Butanone
Concen: 95.278 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 5894

Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.6



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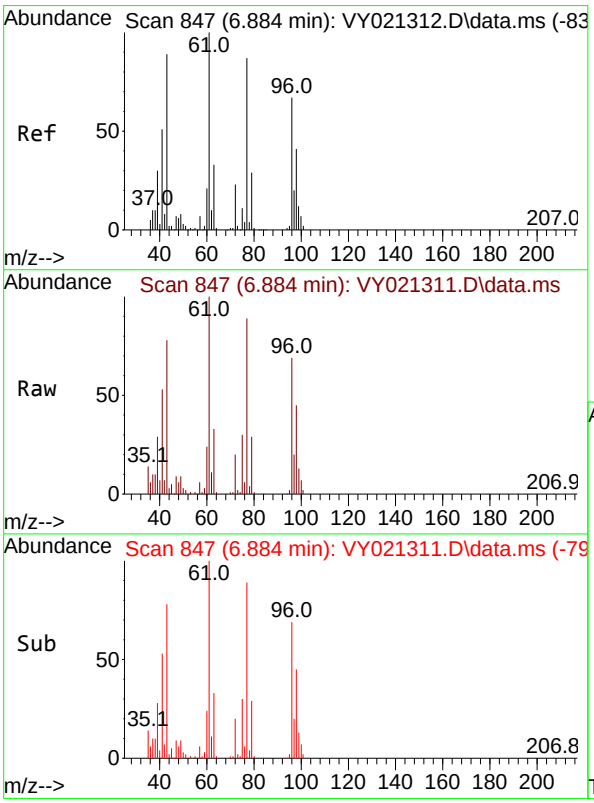
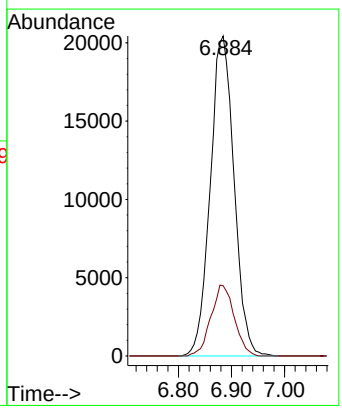
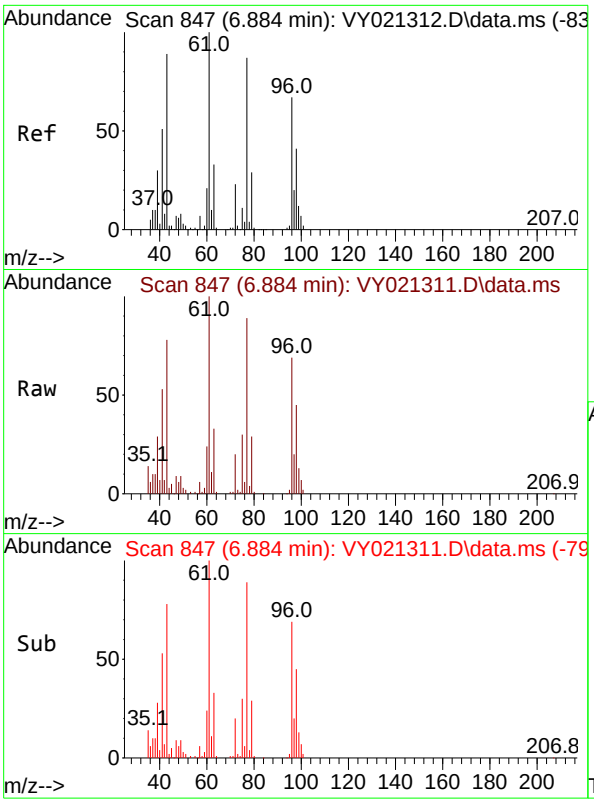


#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 77 Resp: 63686

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

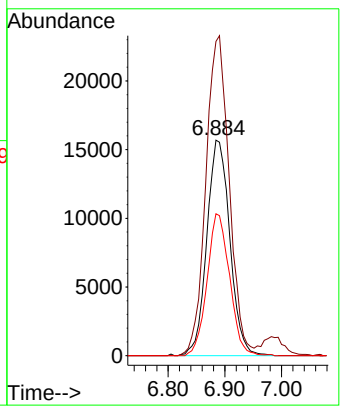




#27
cis-1,2-Dichloroethene
Concen: 18.592 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 4429

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	308.0
98	64.3	0.0	129.6



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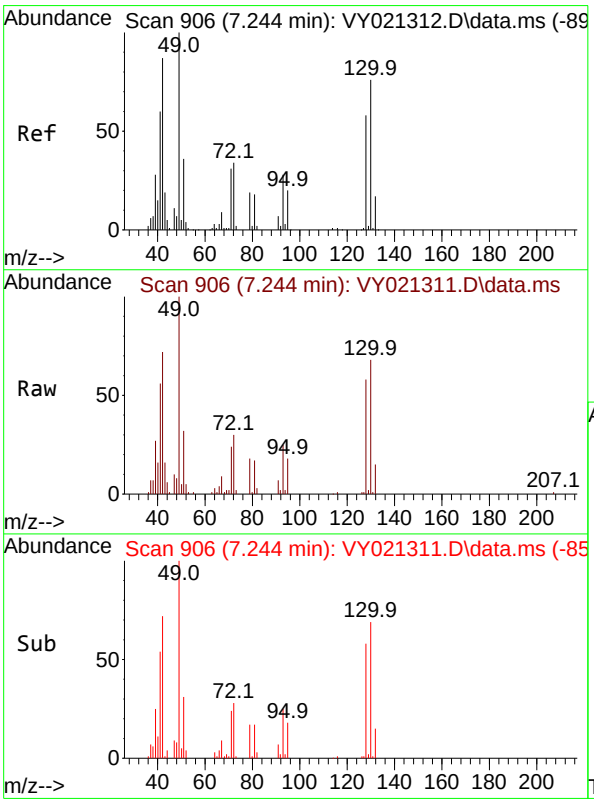
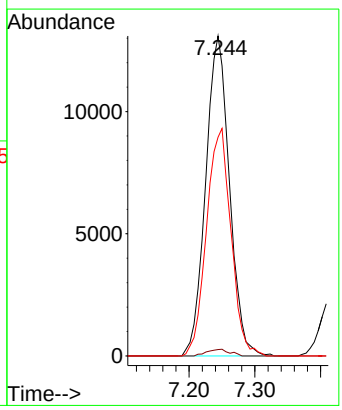
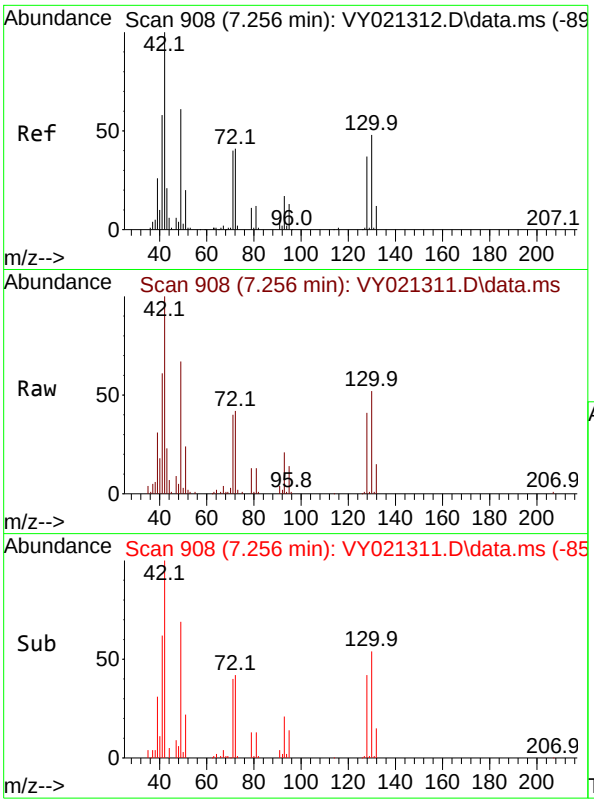


#28
Bromochloromethane
Concen: 19.022 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 49 Resp: 32987

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.2	57.8	86.6

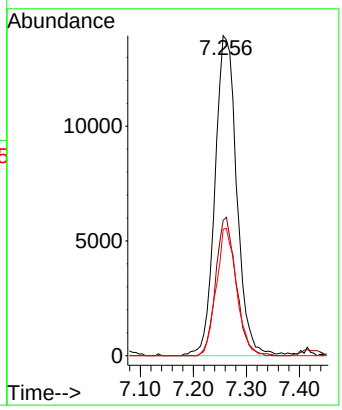




#29
Tetrahydrofuran
Concen: 98.365 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 42 Resp: 3977

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	37.2	31.4	47.0



Instrument :
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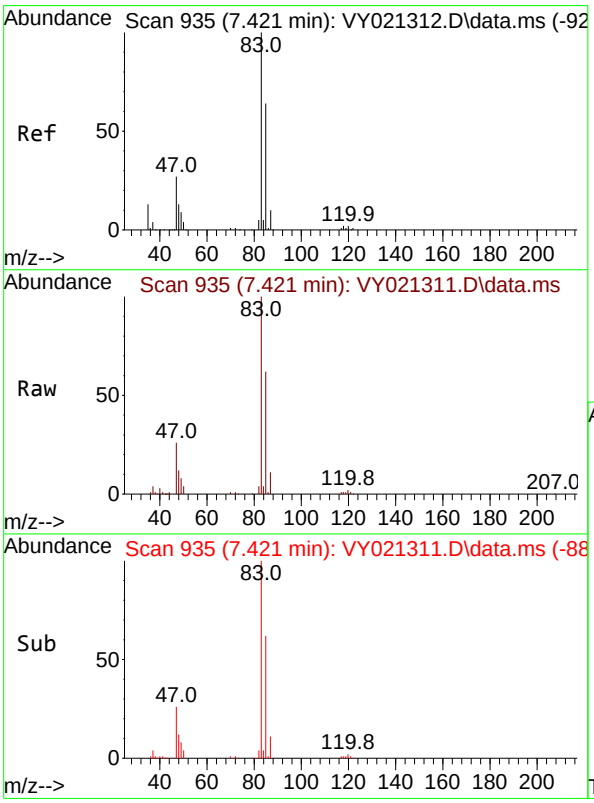
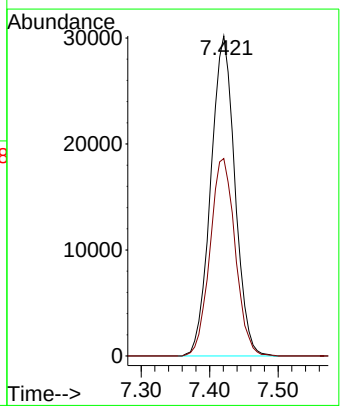
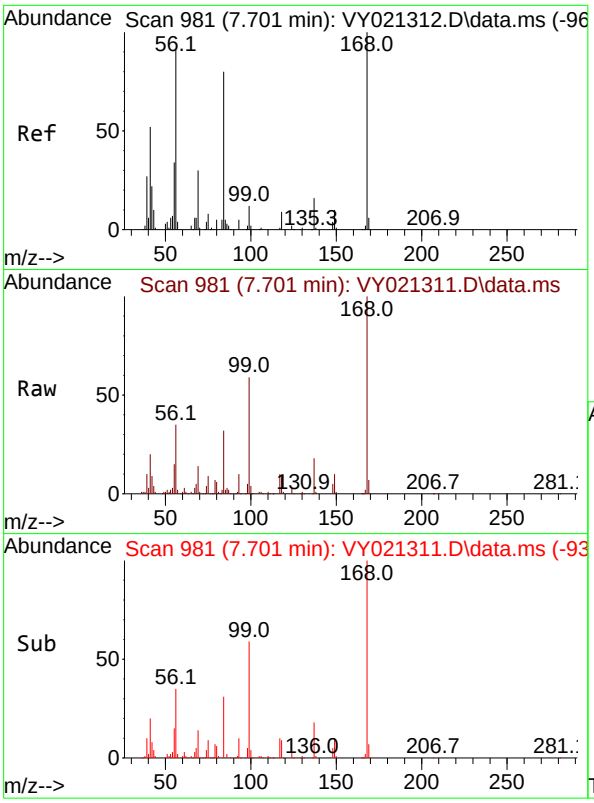


#30
Chloroform
Concen: 18.543 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 73639

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.6	77.4

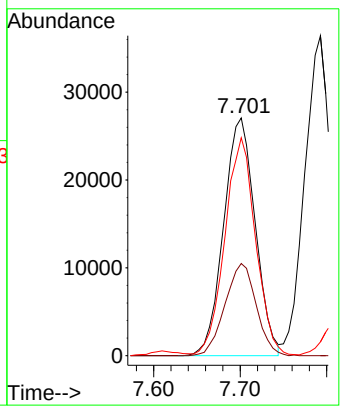




#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 56 Resp: 6853

Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.2	39.4
84	90.4	70.2	105.4



Instrument :
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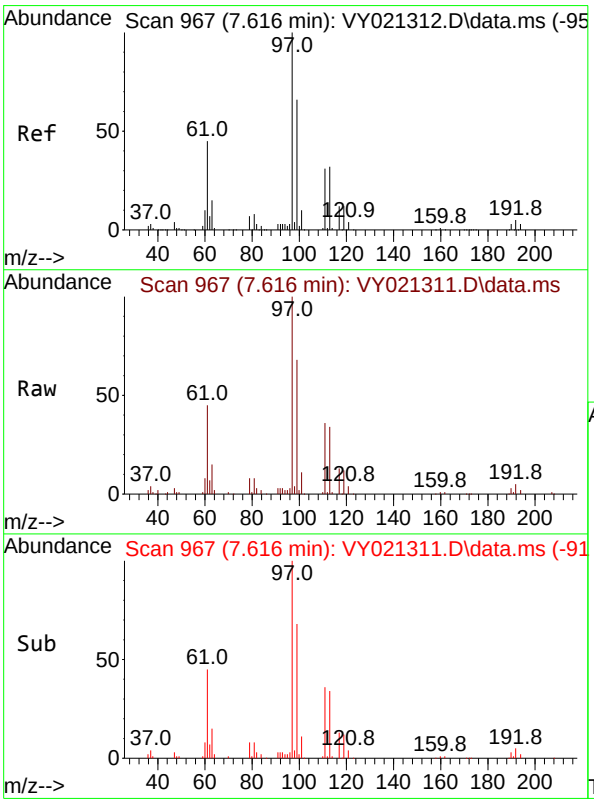
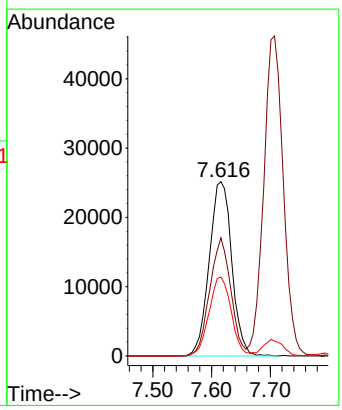
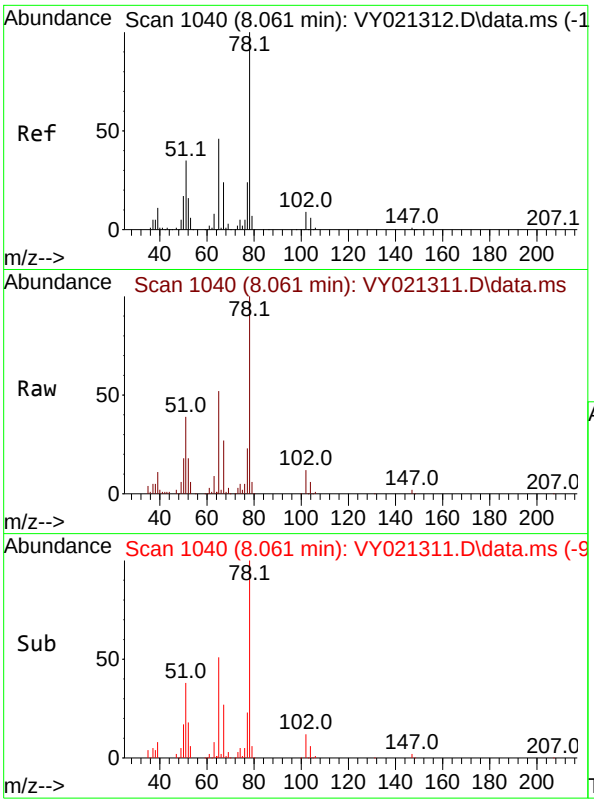


#32
1,1,1-Trichloroethane
Concen: 18.538 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 67011

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.4	78.6
61	44.5	36.2	54.2

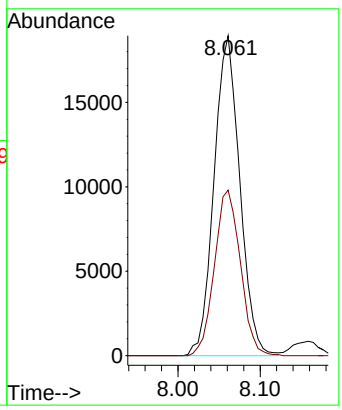




#33
1,2-Dichloroethane-d4
Concen: 19.337 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 65 Resp: 4132

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.6



Instrument :
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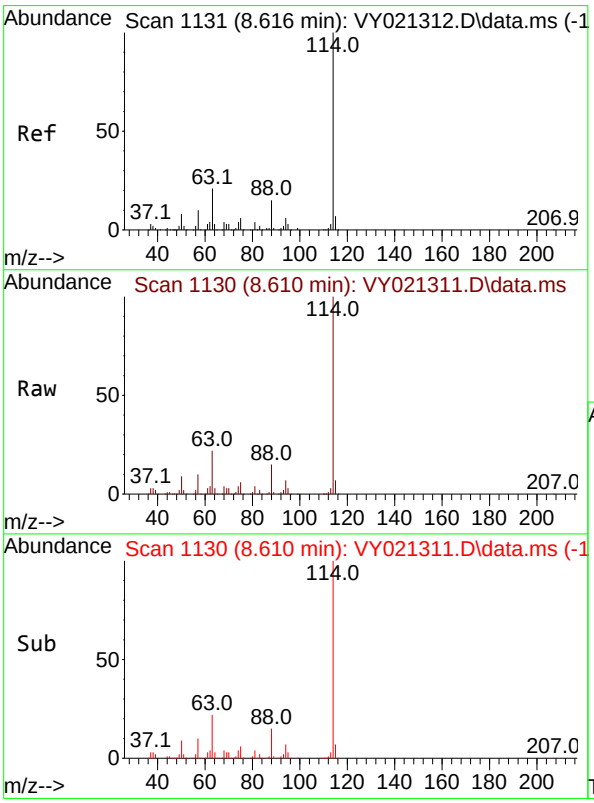
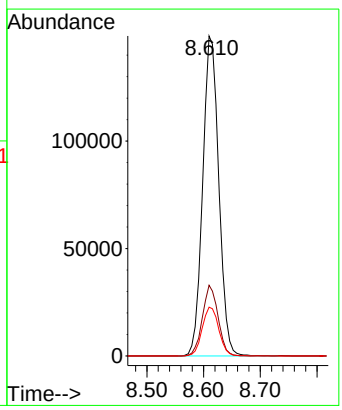
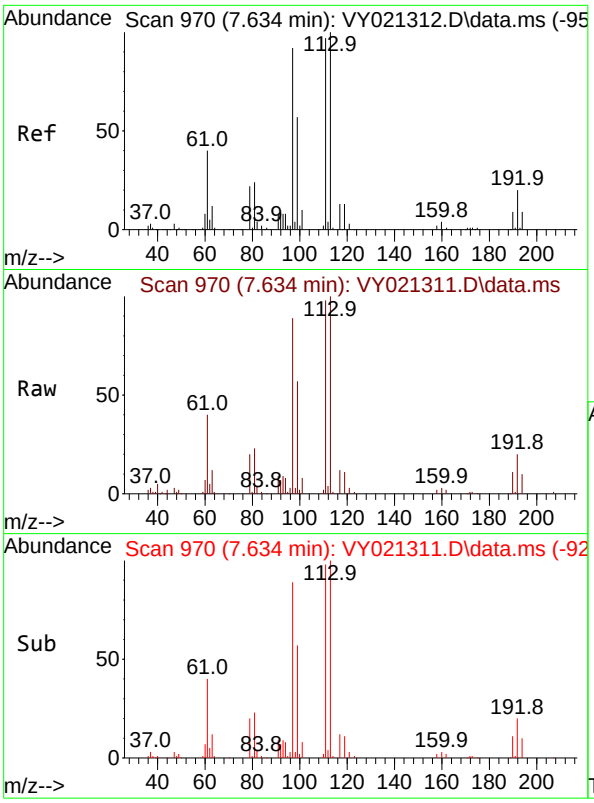


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:114 Resp: 293434

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.2
88	15.2	0.0	29.8

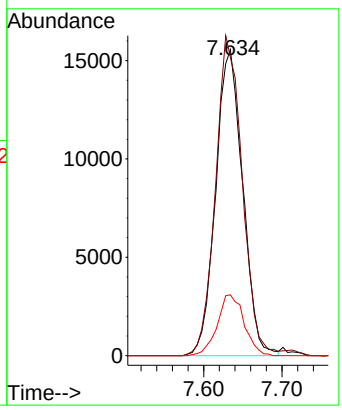




#35
Dibromofluoromethane
Concen: 19.371 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:113 Resp: 3726

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	19.8	15.8	23.8



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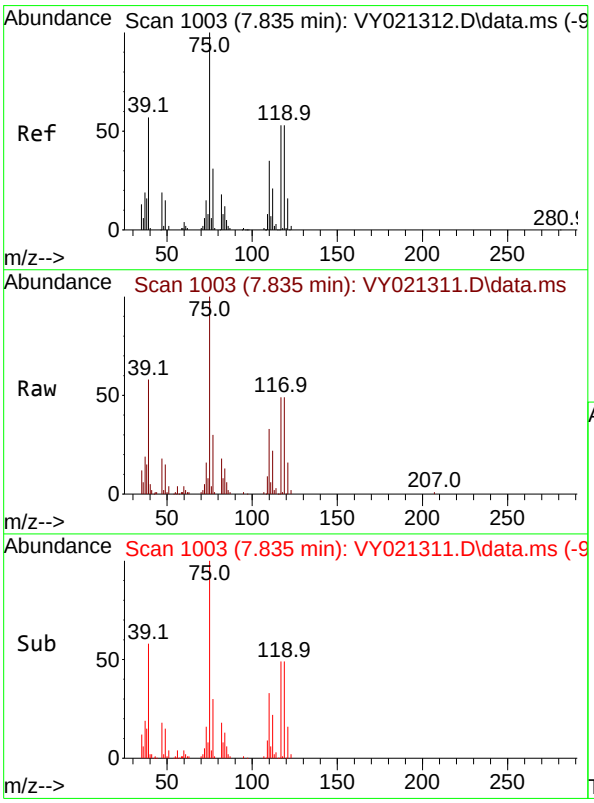
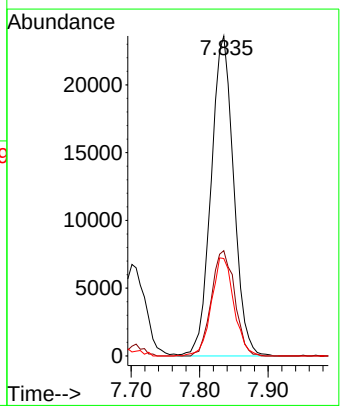
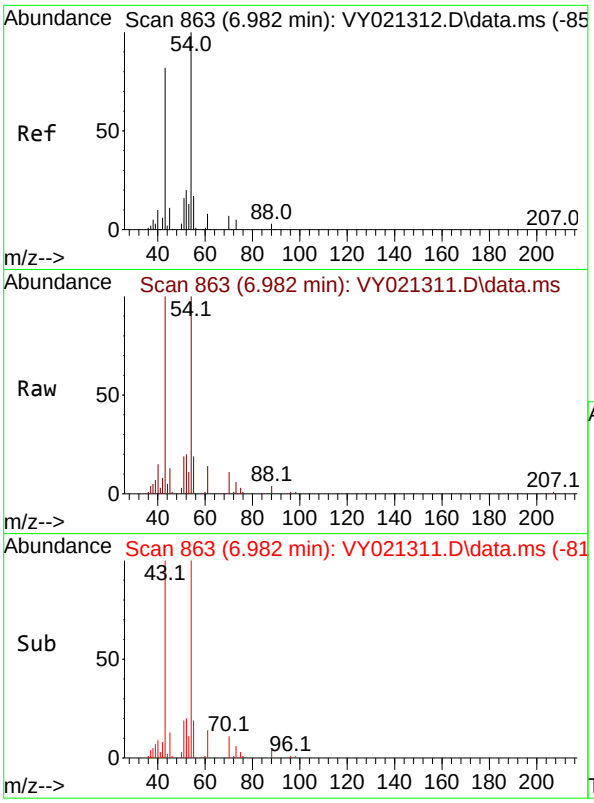


#36
1,1-Dichloropropene
Concen: 18.685 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 53995

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.7
77	30.6	24.6	36.8





#37
Ethyl Acetate
Concen: 18.914 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 2718

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	9.8	7.5	11.3

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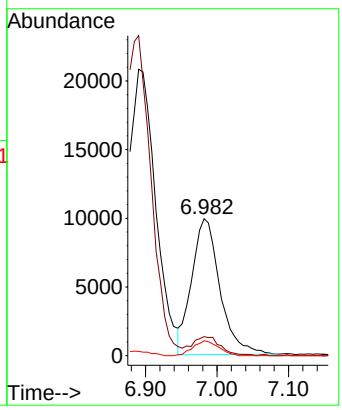
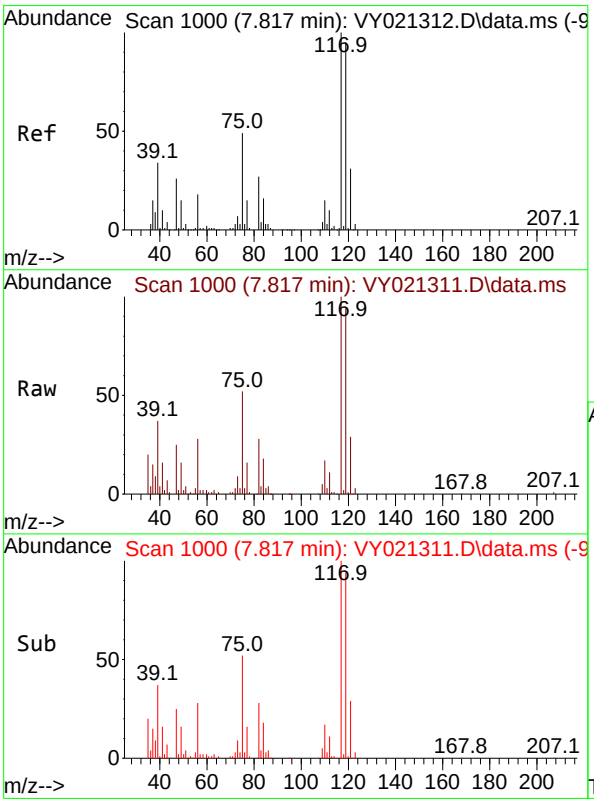
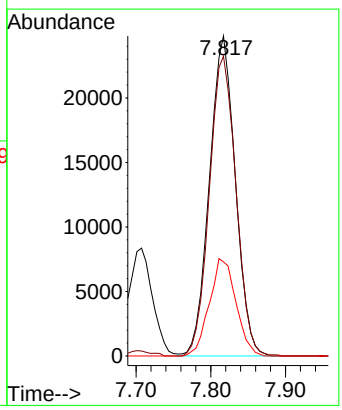


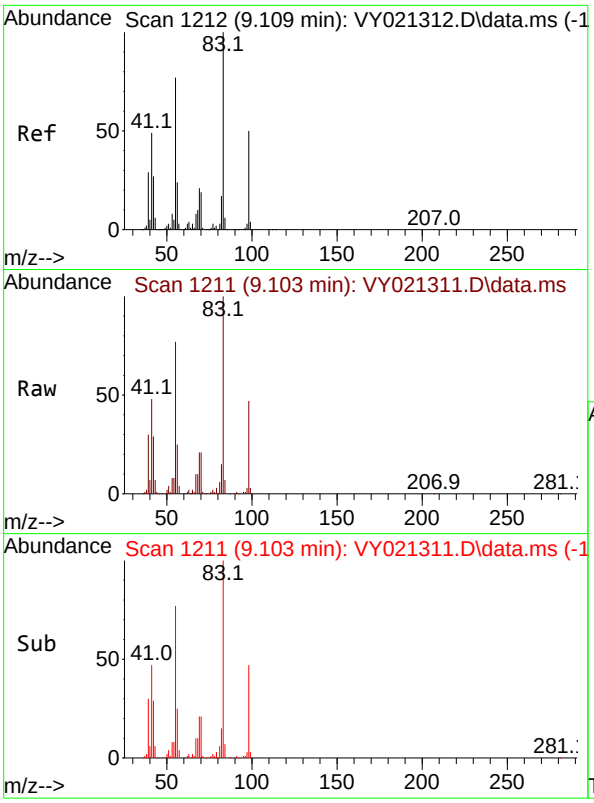


#38
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 59733

Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.0	114.0
121	29.4	24.9	37.3





#39
Methylcyclohexane
Concen: 18.746 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 6851

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.3	91.9
98	47.1	39.9	59.9

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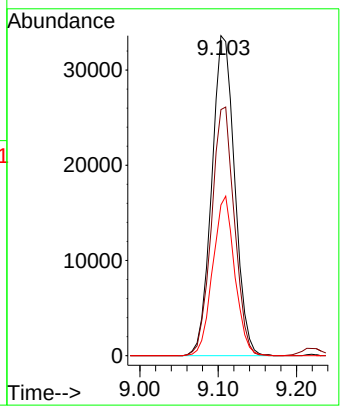
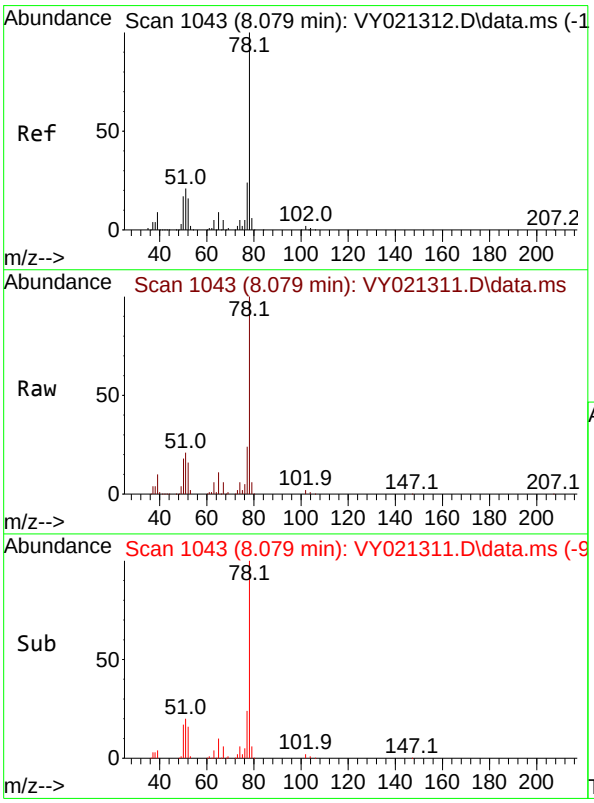
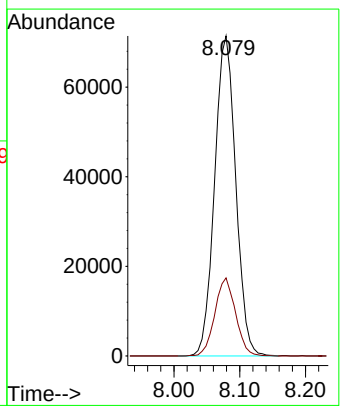


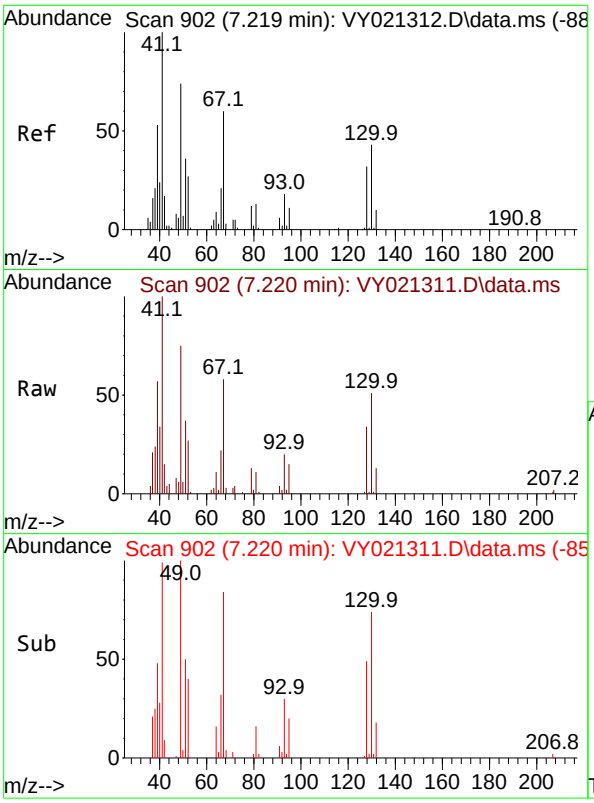


#40
Benzene
Concen: 18.676 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 78 Resp: 159536

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8

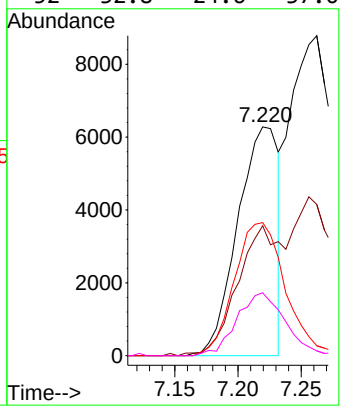




#41
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 1410

Ion	Ratio	Lower	Upper
41	100		
39	63.1	42.3	63.5
67	72.9	54.8	82.2
52	32.8	24.6	37.0



Instrument :
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ClientSampleId :
VSTDICC020

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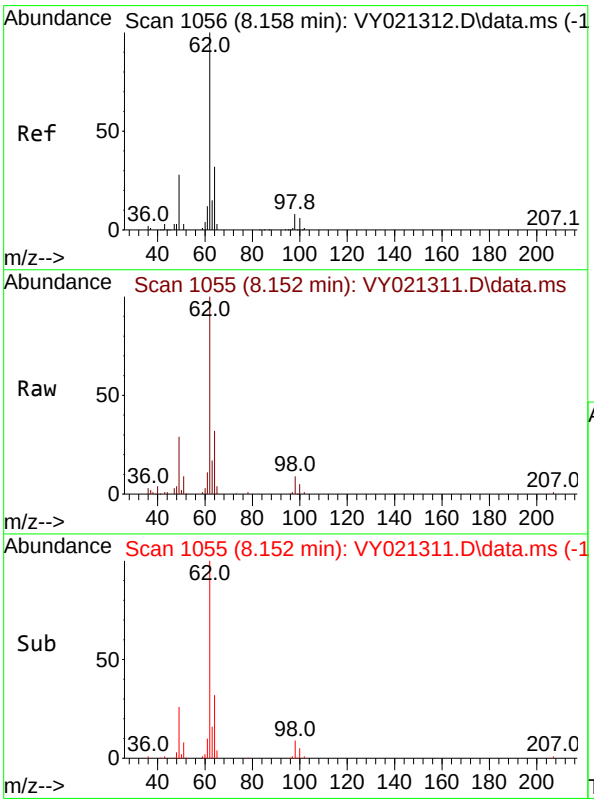
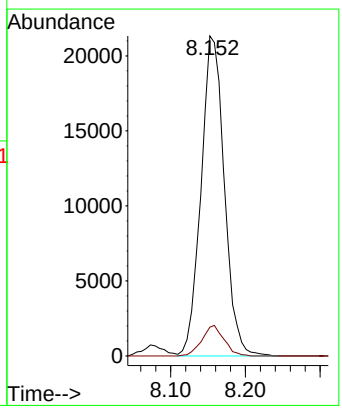
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

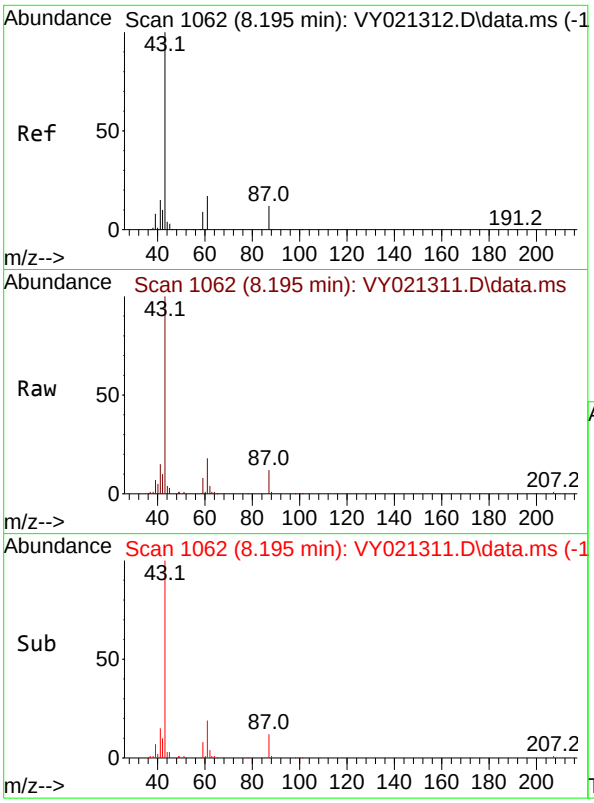


#42
1,2-Dichloroethane
Concen: 19.043 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

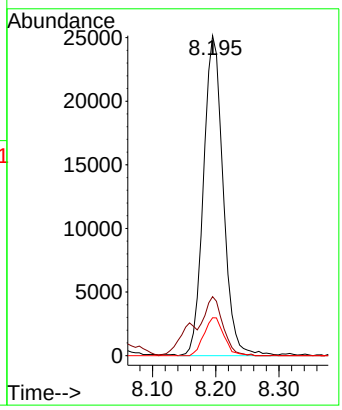




#43
Isopropyl Acetate
Concen: 19.583 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 5448

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.0	22.6
87	12.1	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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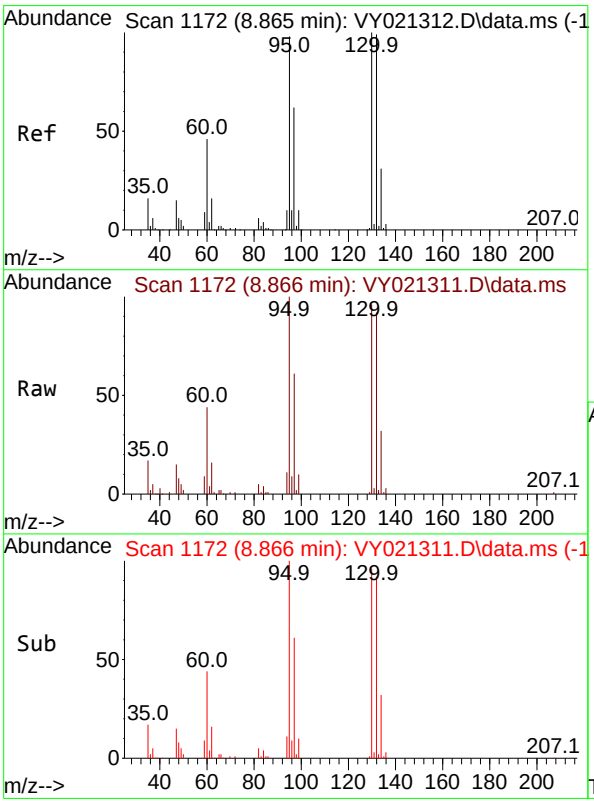
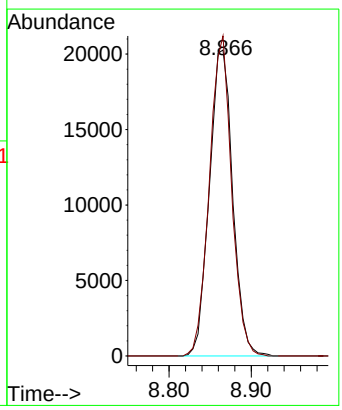
Supervised By :Mahesh Dadoda 02/26/2025

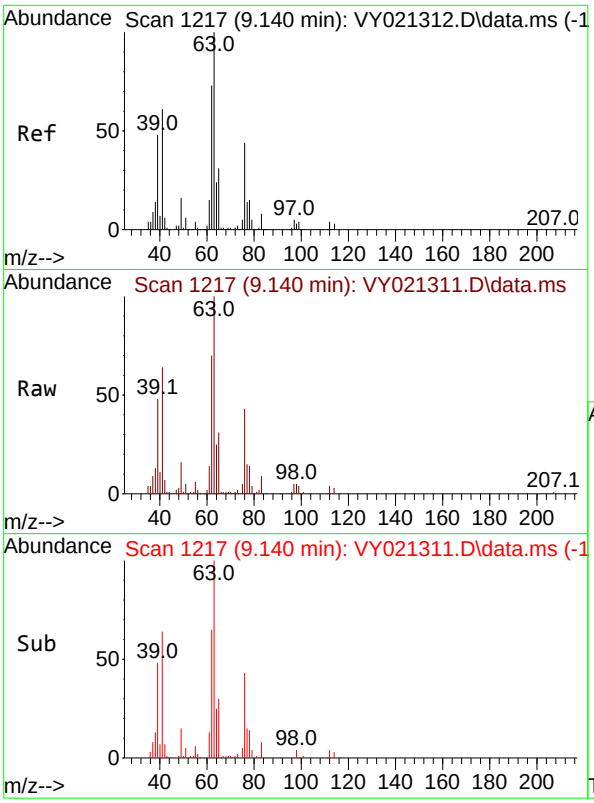


#44
Trichloroethene
Concen: 18.706 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:130 Resp: 40005

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	196.0

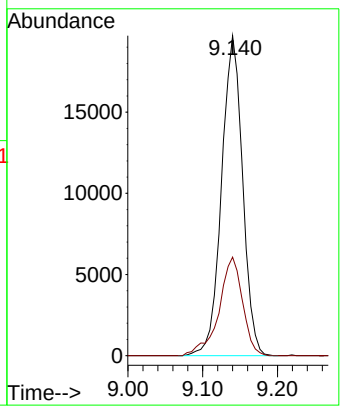




#45
1,2-Dichloropropane
Concen: 18.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 3861

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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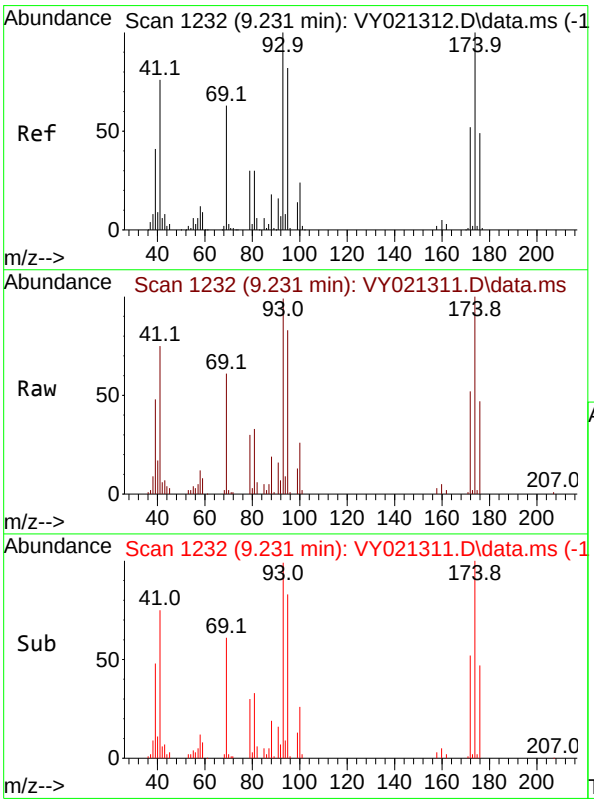
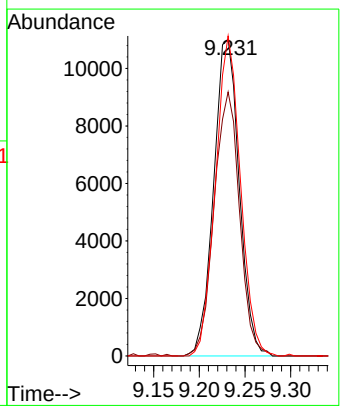
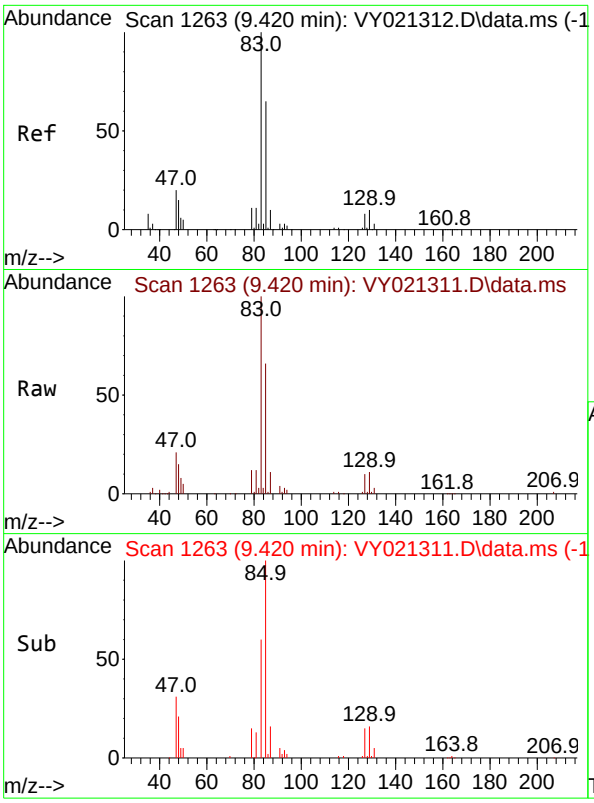


#46
Dibromomethane
Concen: 19.063 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 93 Resp: 21421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	98.7	78.2	117.2

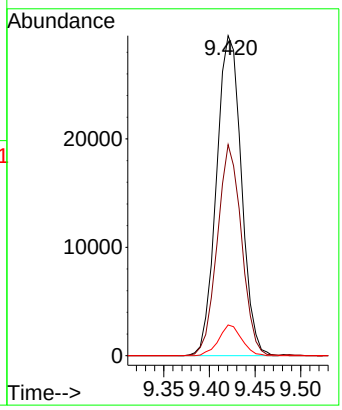




#47
Bromodichloromethane
Concen: 18.701 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 5603

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8
127	9.6	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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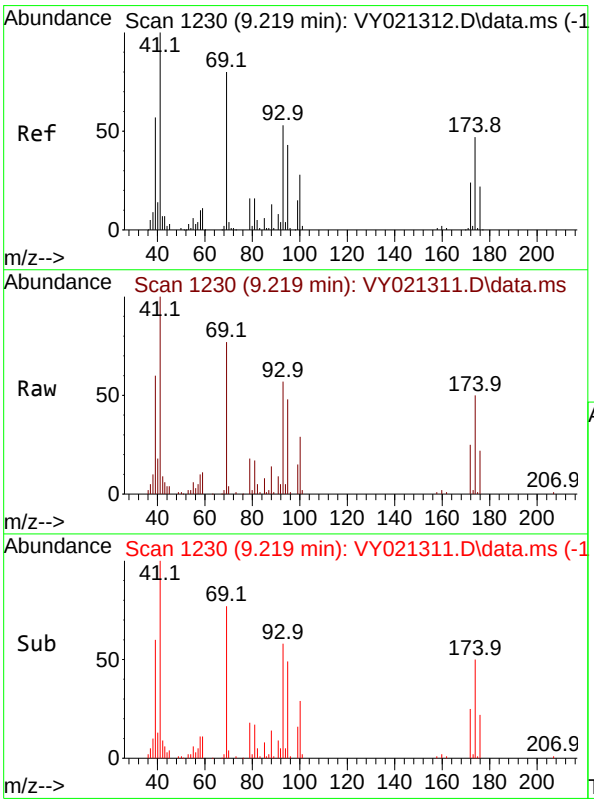
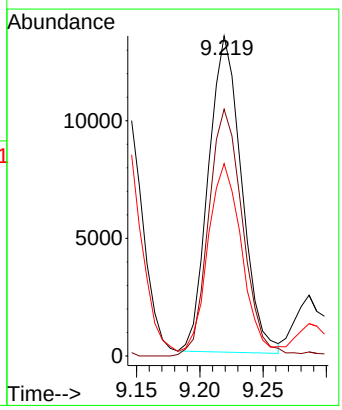
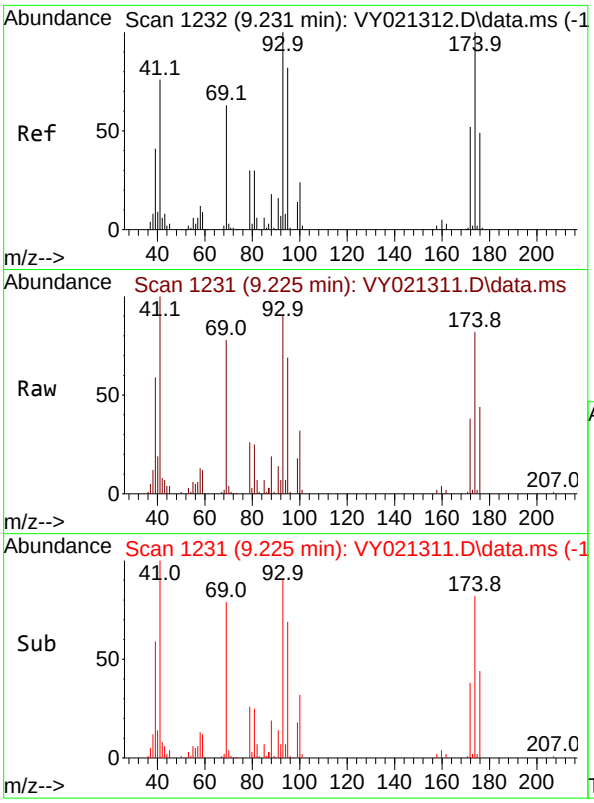


#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 24461

Ion	Ratio	Lower	Upper
41	100		
69	80.2	63.3	94.9
39	60.2	45.0	67.6

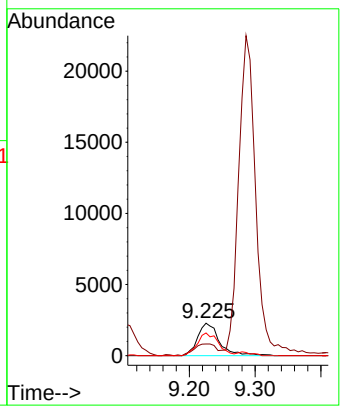




#49
1,4-Dioxane
Concen: 424.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 88 Resp: 530

Ion	Ratio	Lower	Upper
88	100		
43	35.4	34.8	52.2
58	66.8	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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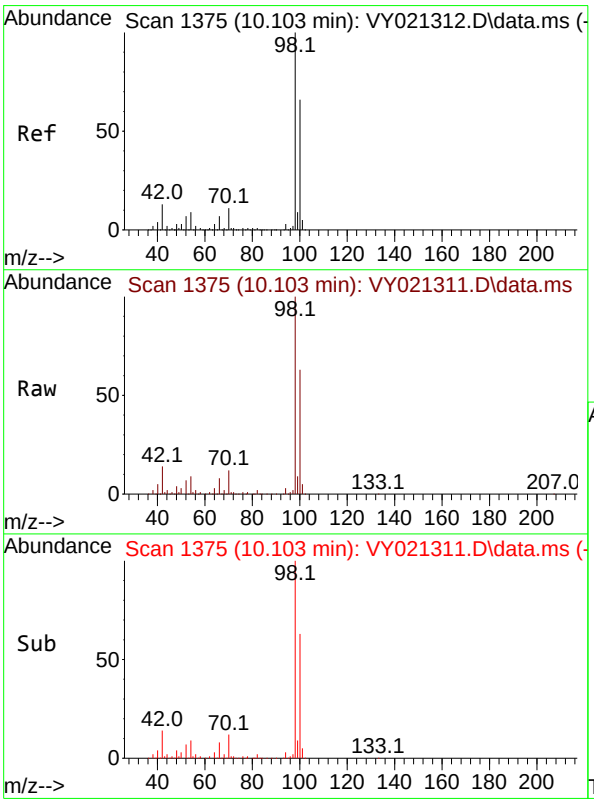
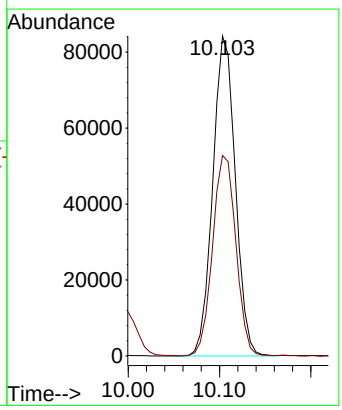
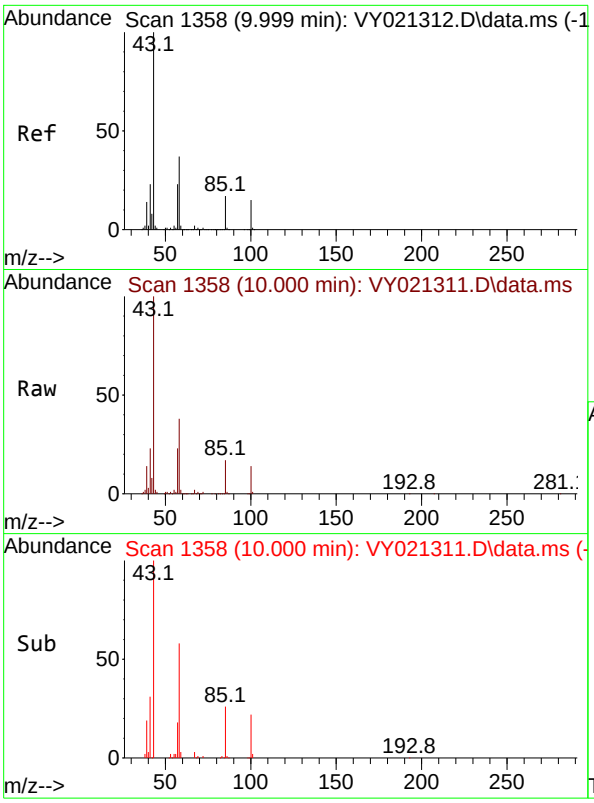


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 98 Resp: 144409

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

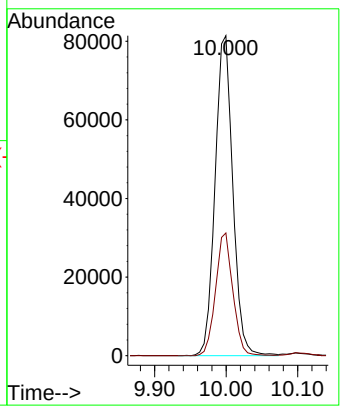




#51
4-Methyl-2-Pentanone
Concen: 98.430 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 14018

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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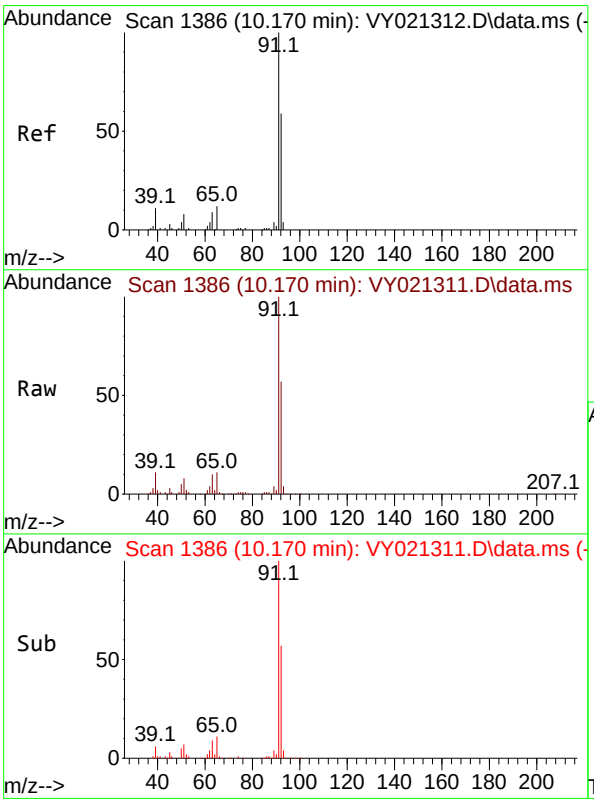
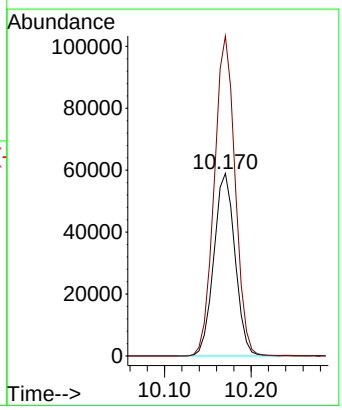
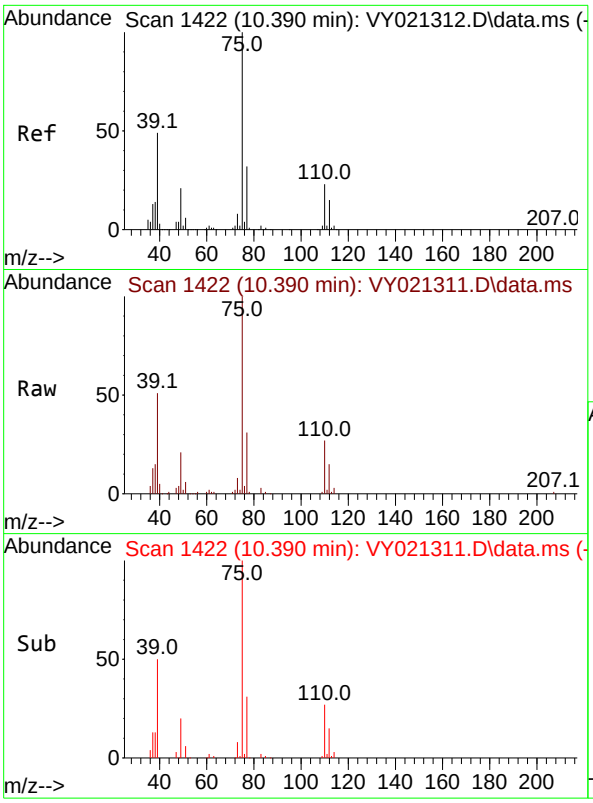


#52
Toluene
Concen: 18.854 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 92 Resp: 100050

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.8	206.8

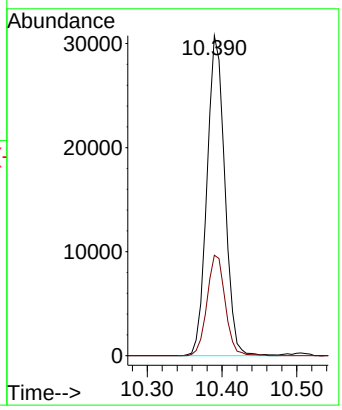




#53
t-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5095

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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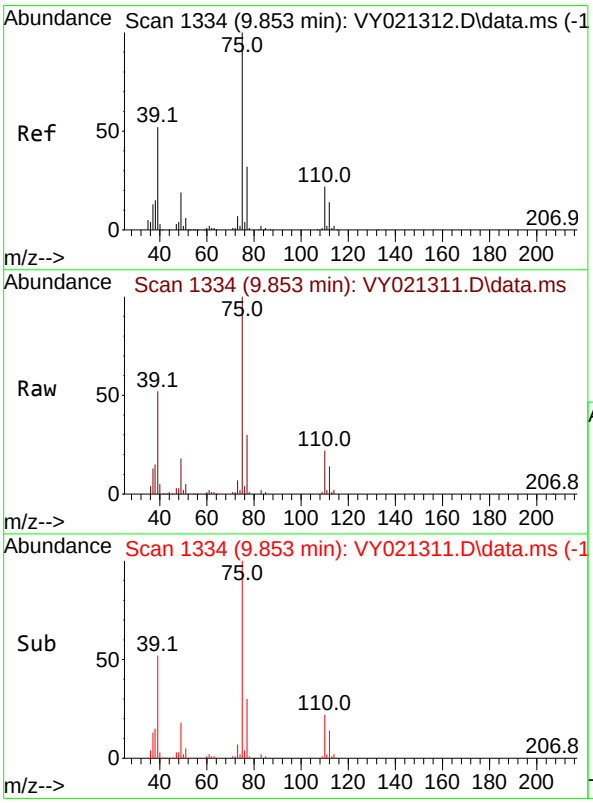
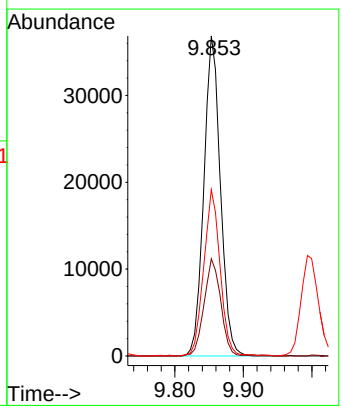
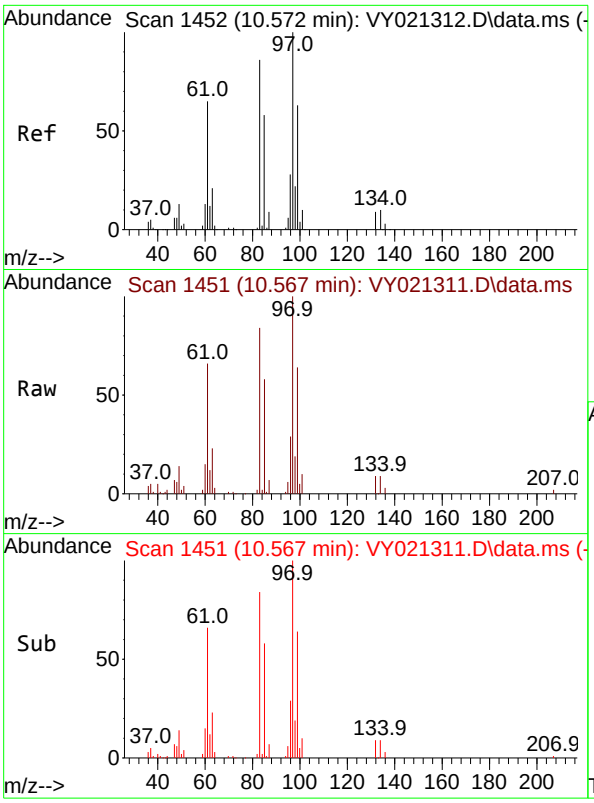


#54
cis-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 61967

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	52.0	41.8	62.6

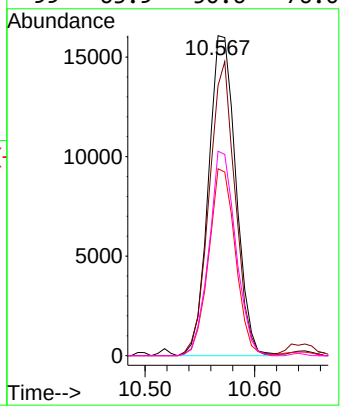




#55
1,1,2-Trichloroethane
Concen: 19.088 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 2794

Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.7	103.1
85	58.4	46.3	69.5
99	63.9	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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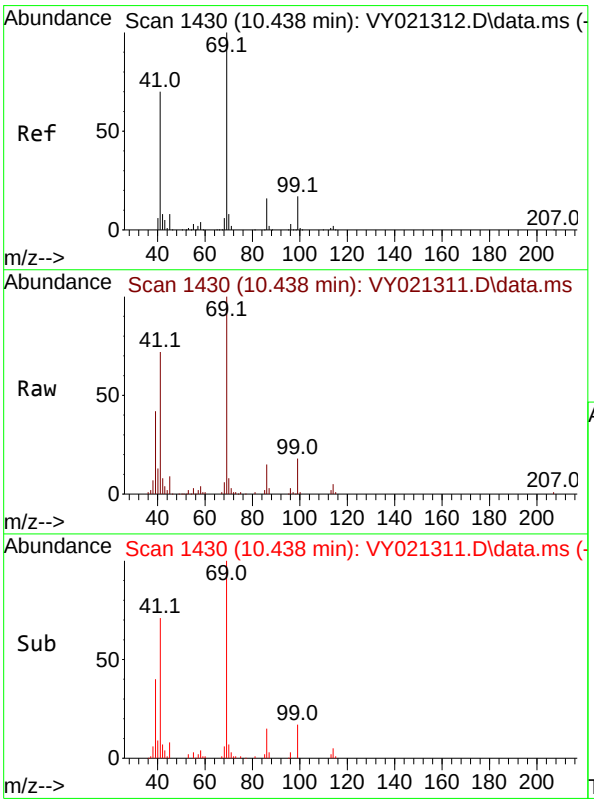
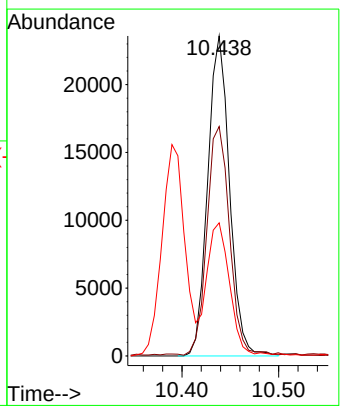
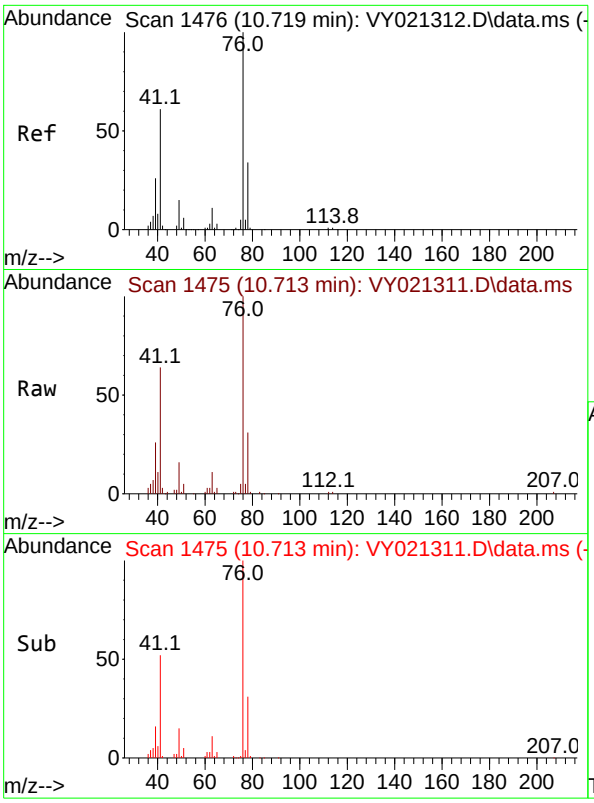


#56
Ethyl methacrylate
Concen: 18.291 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 69 Resp: 36997

Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.2	84.4
39	43.9	32.7	49.1

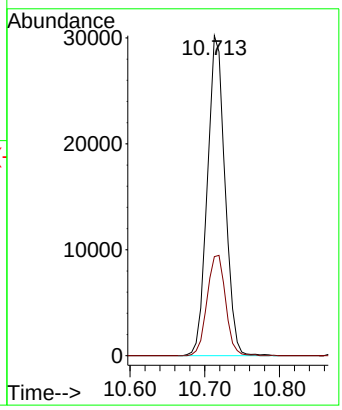




#57
1,3-Dichloropropane
Concen: 19.270 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 76 Resp: 4949

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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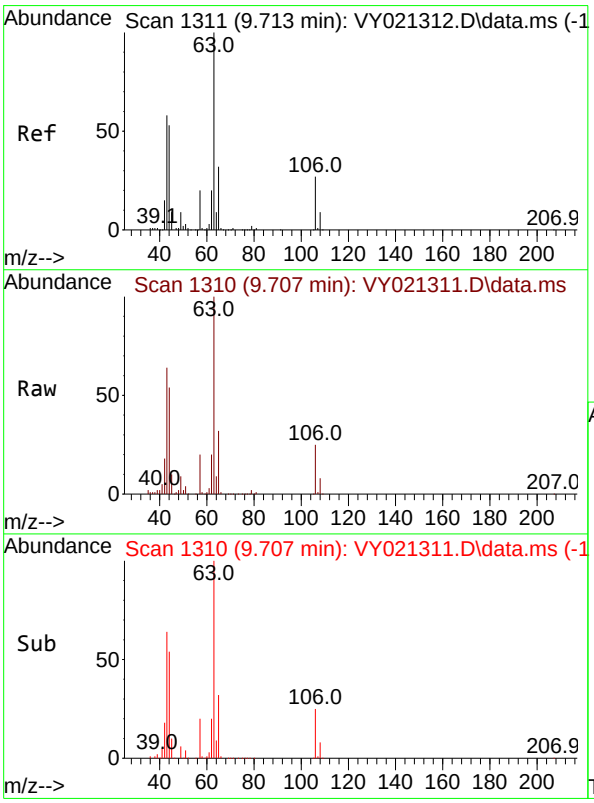
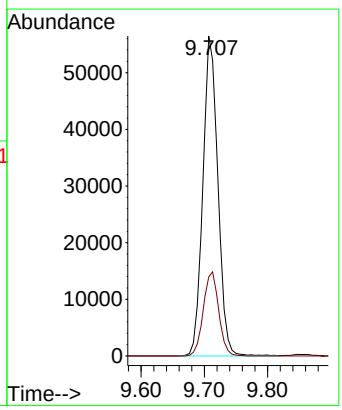
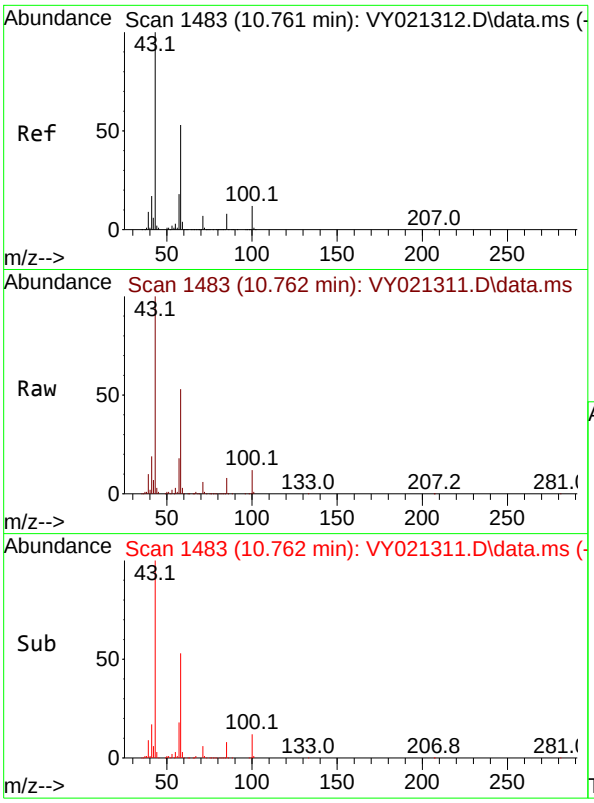


#58
2-Chloroethyl Vinyl ether
Concen: 96.179 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 93377

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#59
2-Hexanone
Concen: 97.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 9088

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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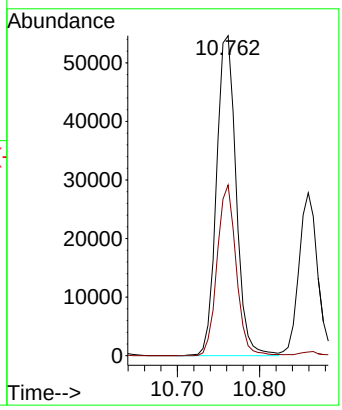
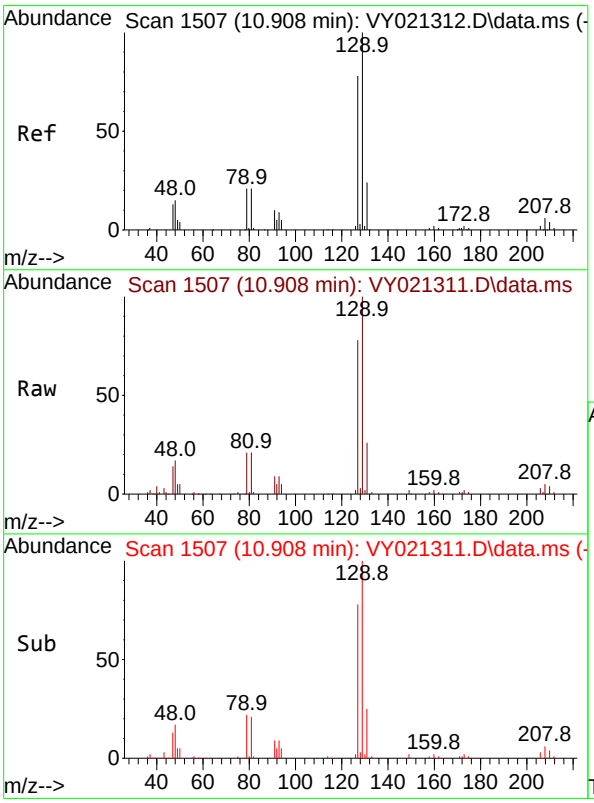
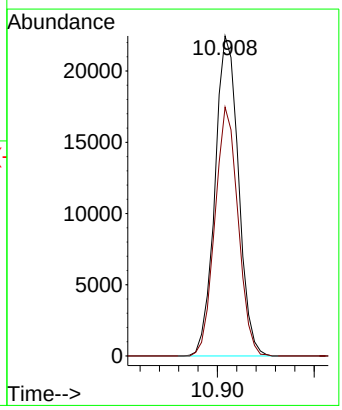


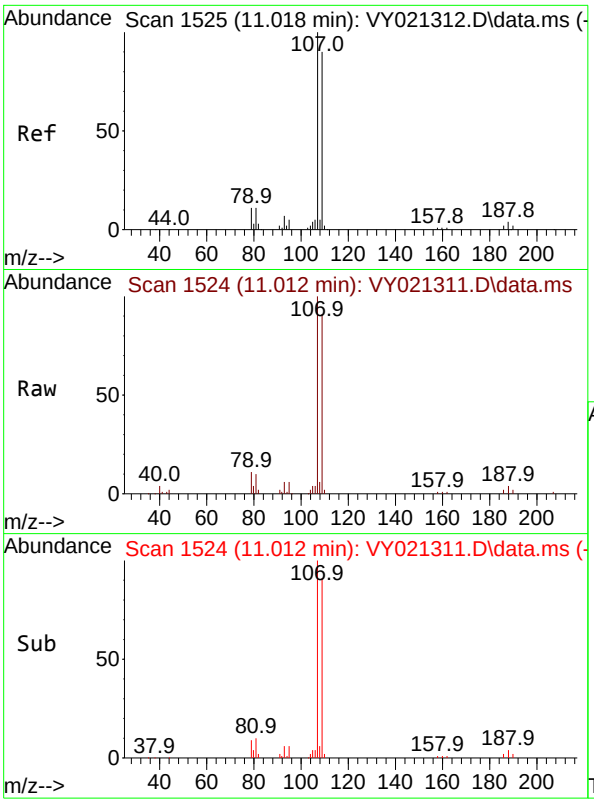


#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:129 Resp: 37808

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.8	116.4





#61
1,2-Dibromoethane
Concen: 19.135 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:107 Resp: 2651

Ion	Ratio	Lower	Upper
107	100		
109	92.9	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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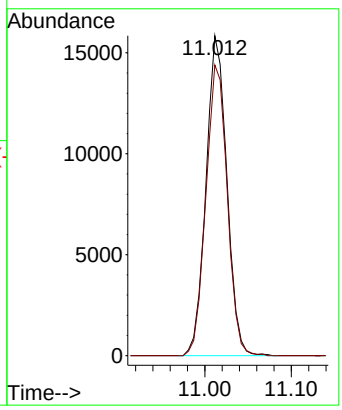
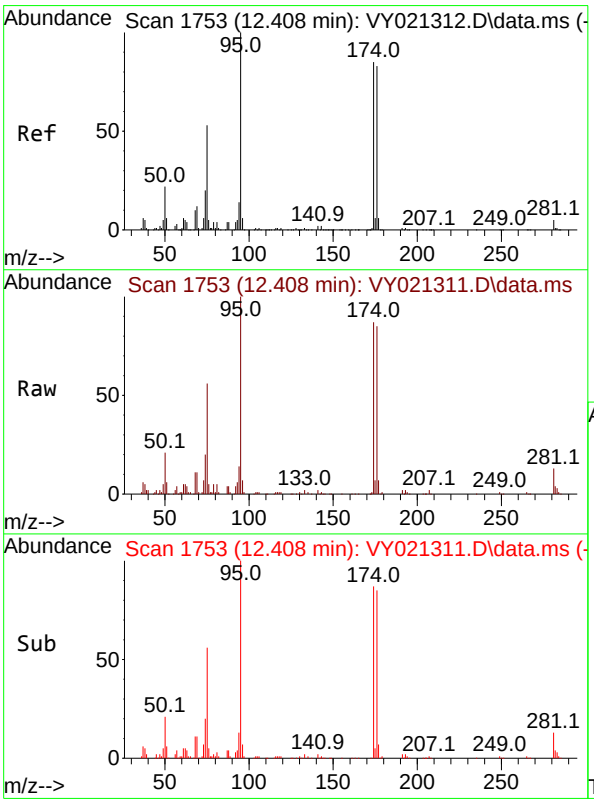
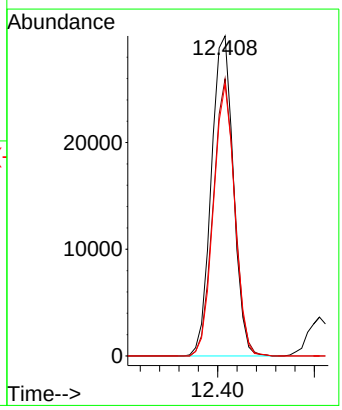


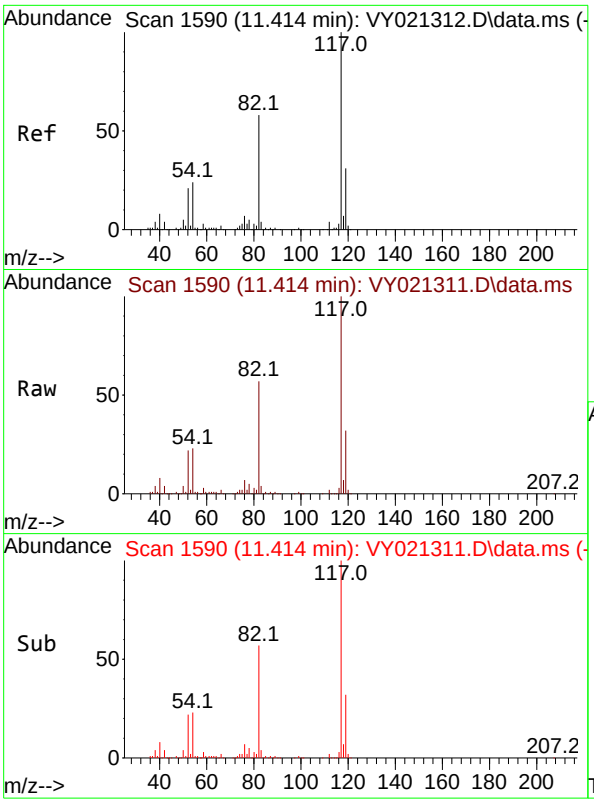


#62
4-Bromofluorobenzene
Concen: 18.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 95 Resp: 47417

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	168.0
176	82.0	0.0	162.6

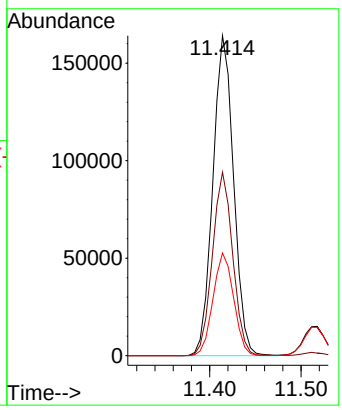




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 25889

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.2	69.4
119	32.1	24.9	37.3



Instrument :
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ClientSampleId :
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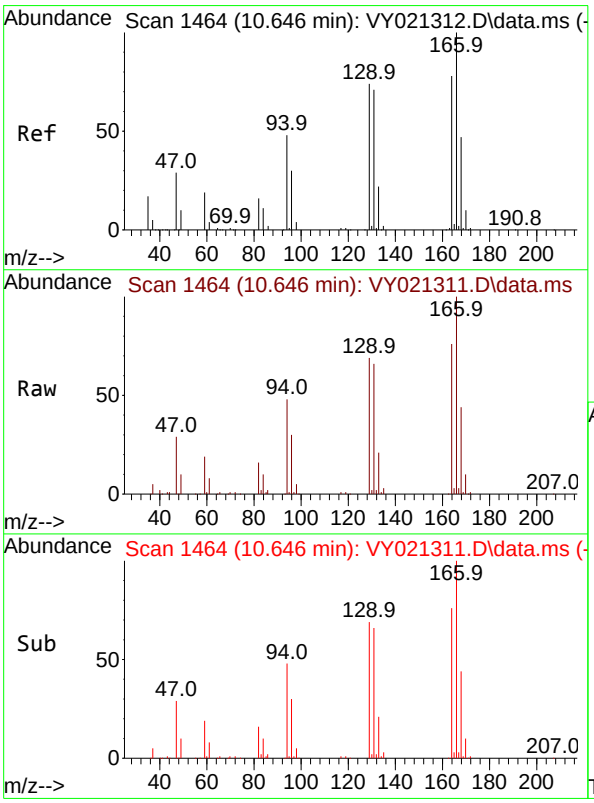
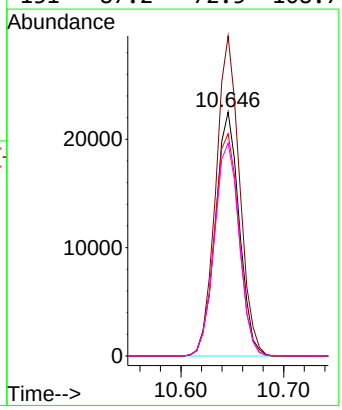
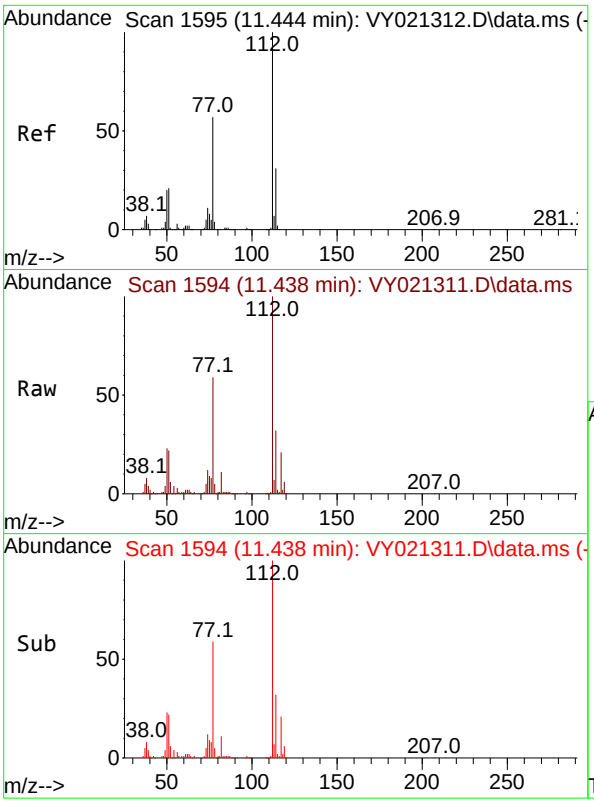


#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:164 Resp: 36387

Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	91.1	75.5	113.3
131	87.2	72.5	108.7

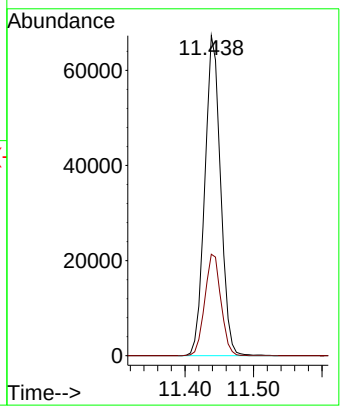




#65
Chlorobenzene
Concen: 18.519 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:112 Resp: 10762

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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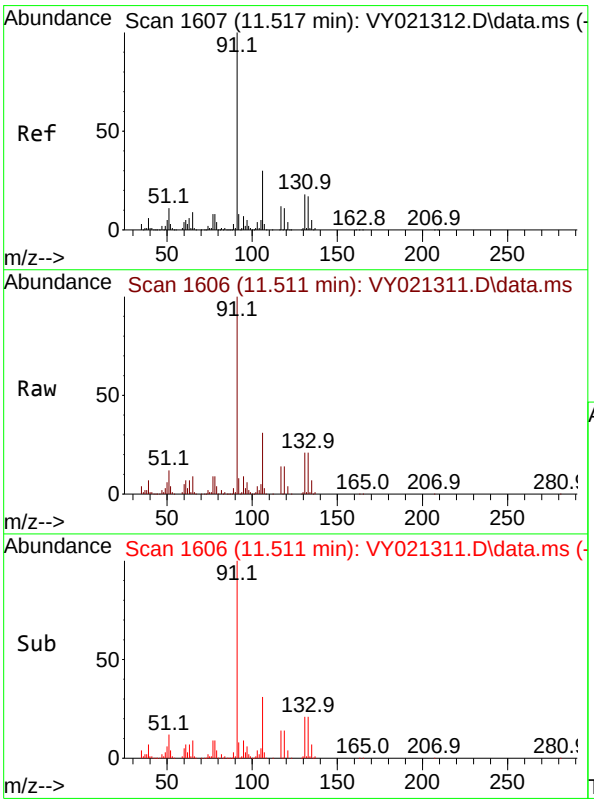
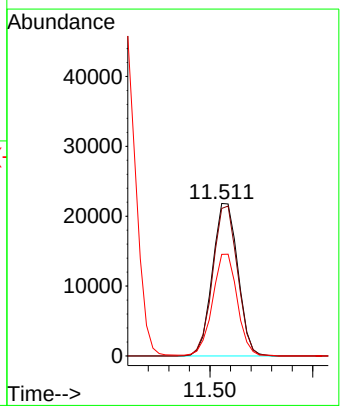
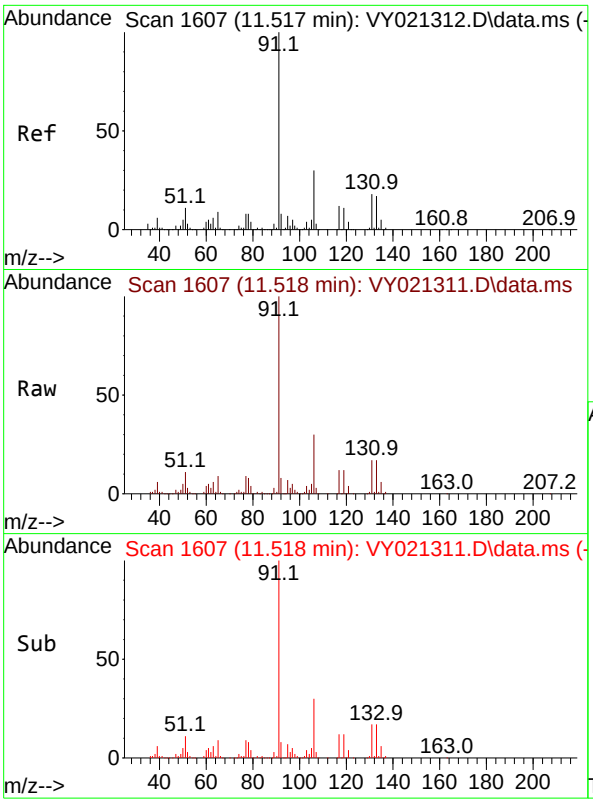


#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:131 Resp: 37487

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.6
119	65.1	31.7	95.1

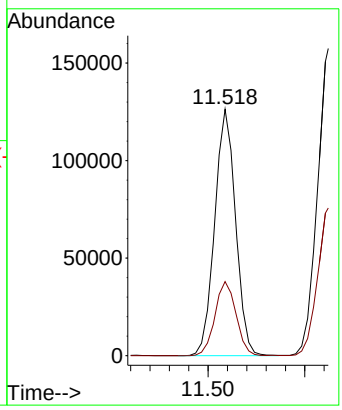




#67
Ethyl Benzene
Concen: 18.366 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 18905

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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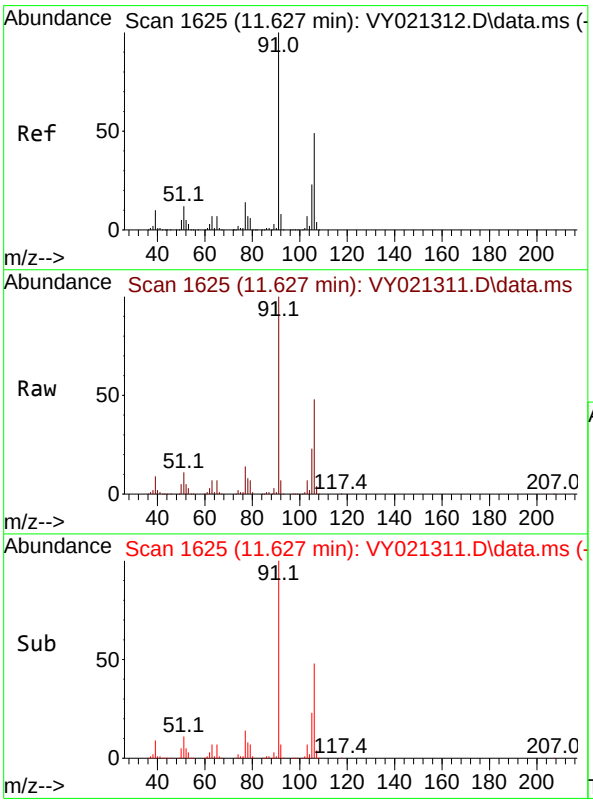
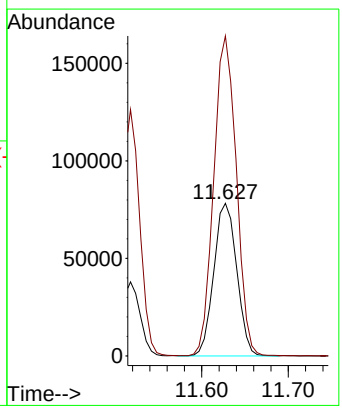
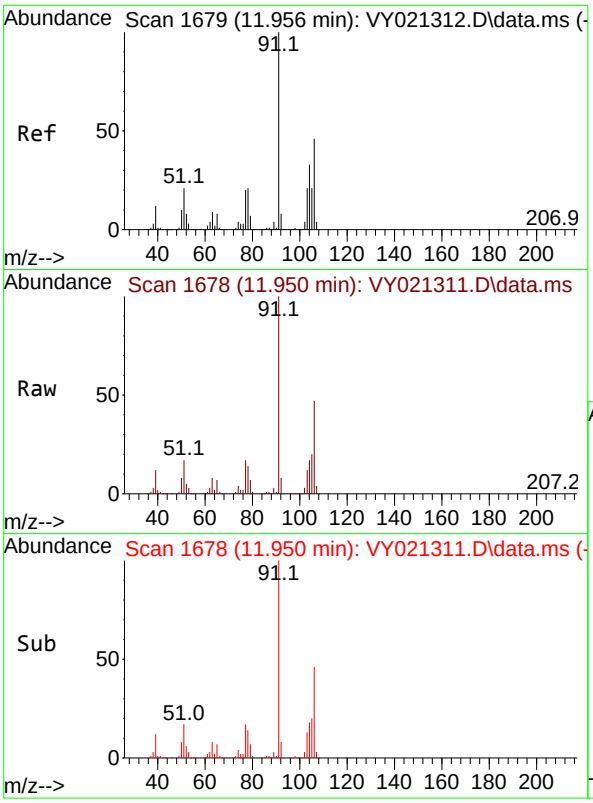


#68
m/p-Xylenes
Concen: 37.210 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 144073

Ion	Ratio	Lower	Upper
106	100		
91	205.9	163.9	245.9





#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 6706

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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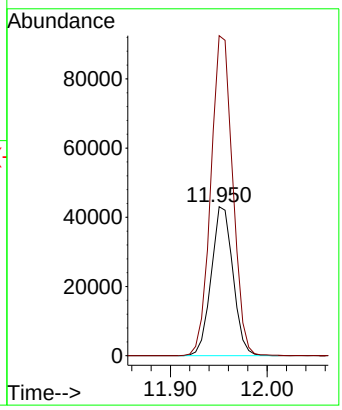
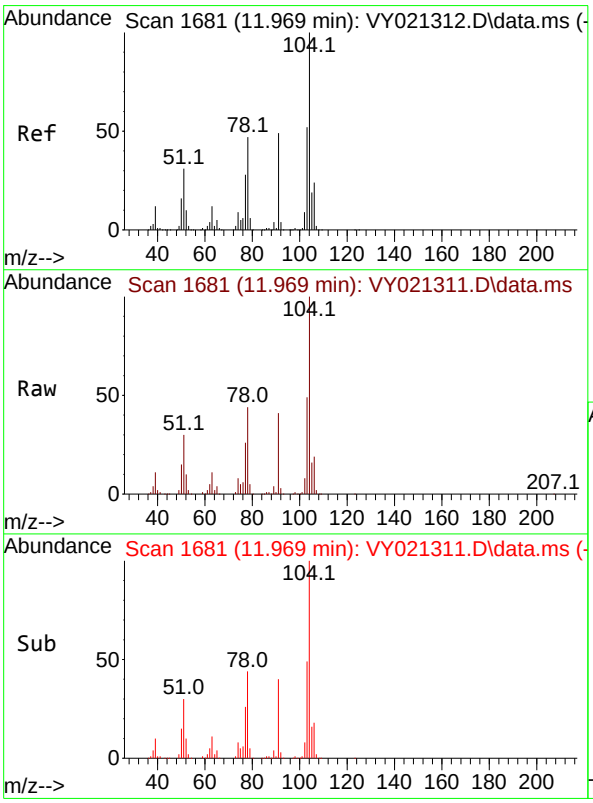
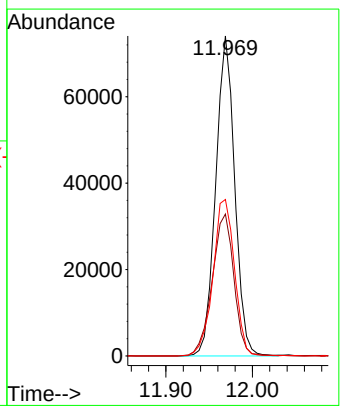


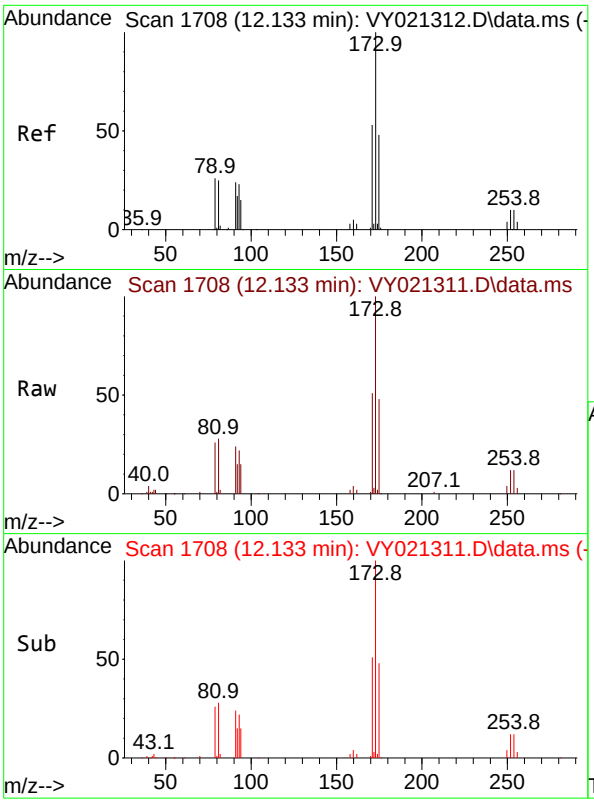


#70
Styrene
Concen: 18.729 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:104 Resp: 113033

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.3	61.9
103	55.5	43.9	65.9

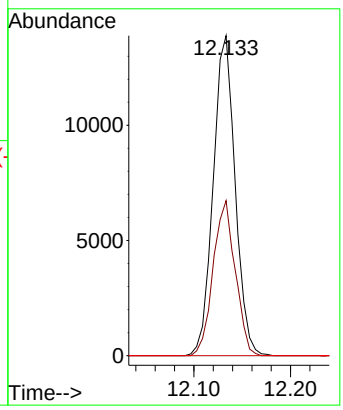




#71
Bromoform
Concen: 18.800 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:173 Resp: 2188

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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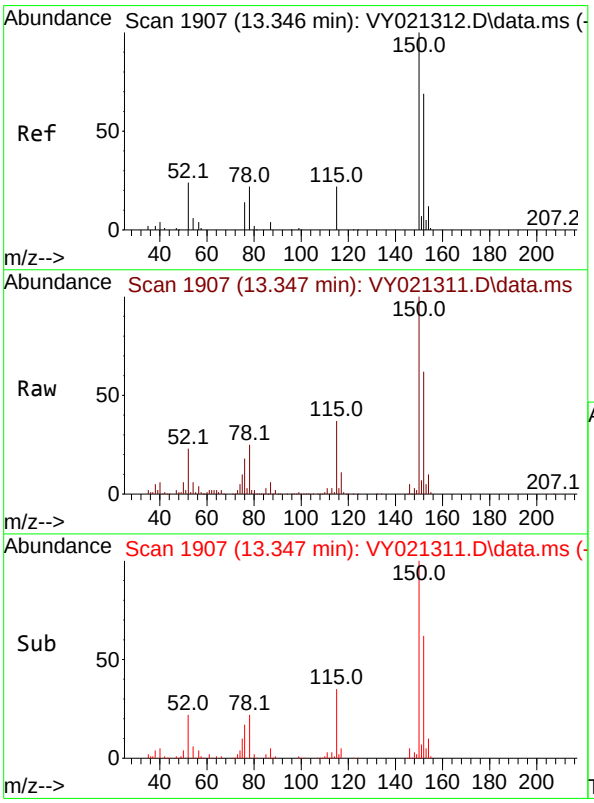
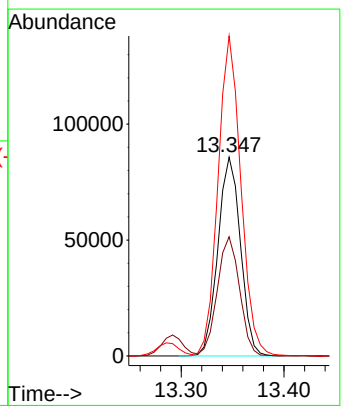
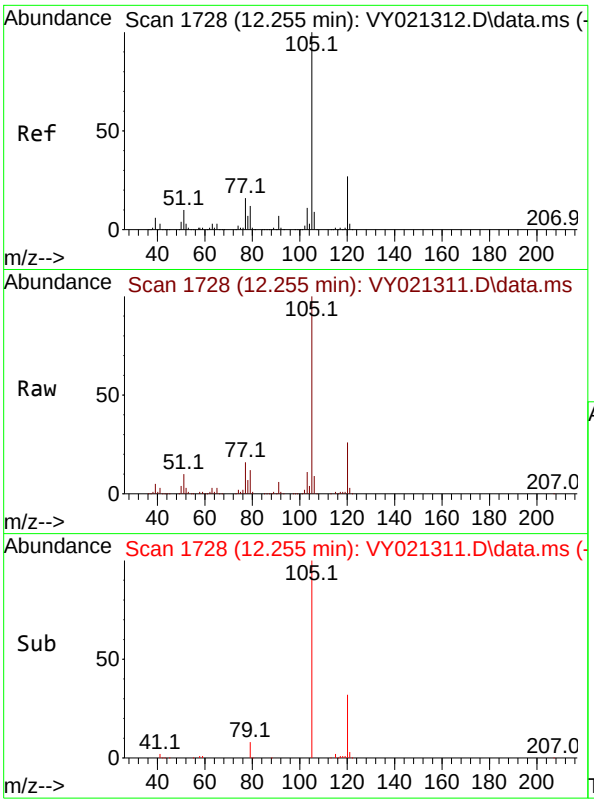


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 130546

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	163.4	0.0	347.4

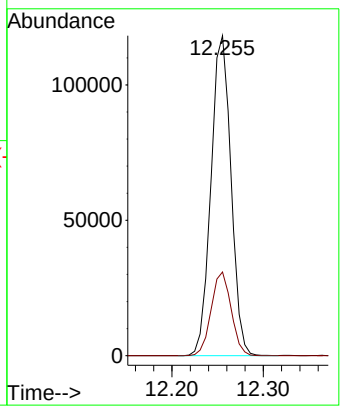




#73
Isopropylbenzene
Concen: 18.288 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 17948

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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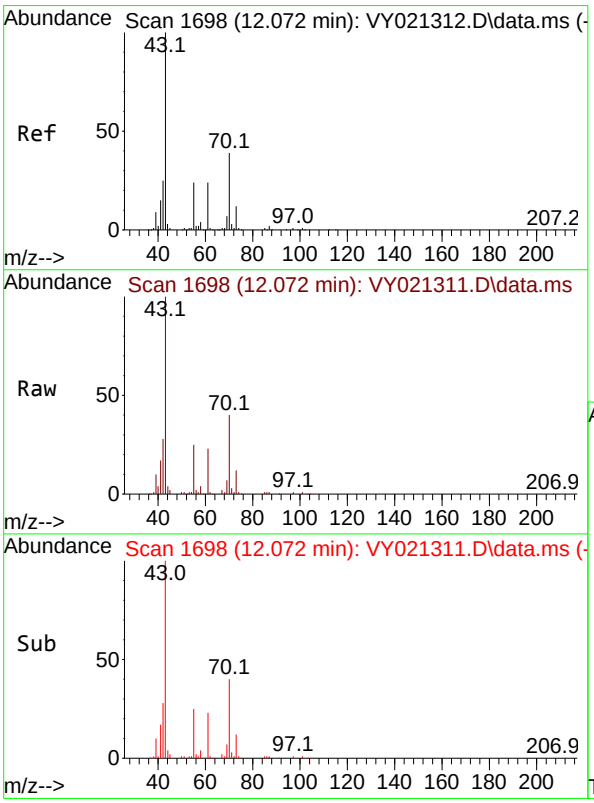
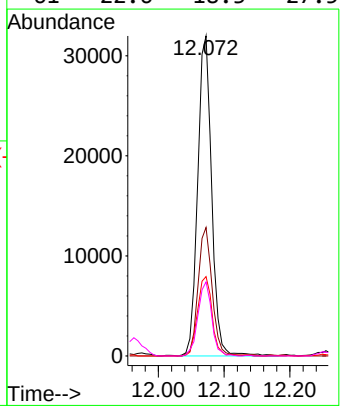
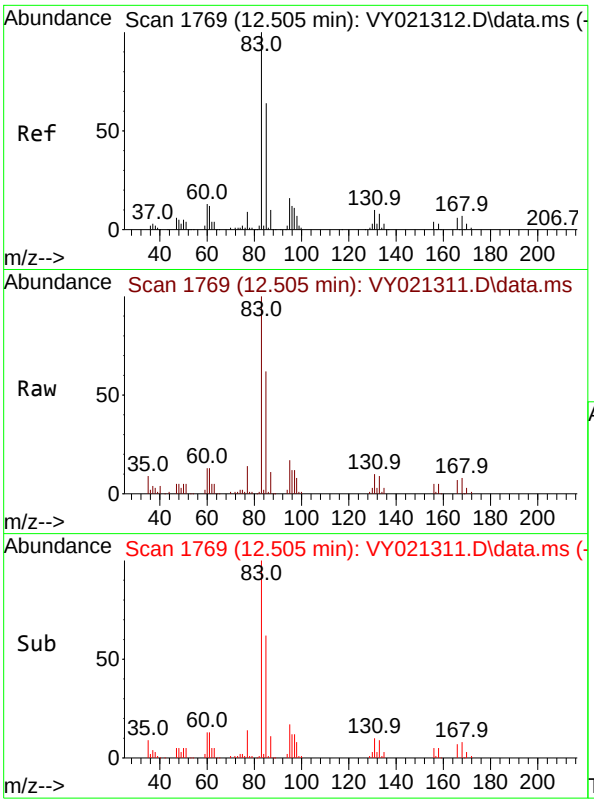


#74
N-amyl acetate
Concen: 18.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 47224

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.2	48.2
55	25.6	19.6	29.4
61	22.6	18.3	27.5

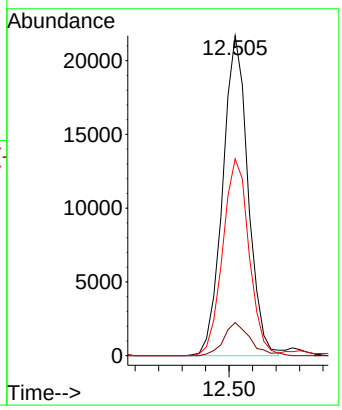




#75
1,1,2,2-Tetrachloroethane
Concen: 18.717 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 3241

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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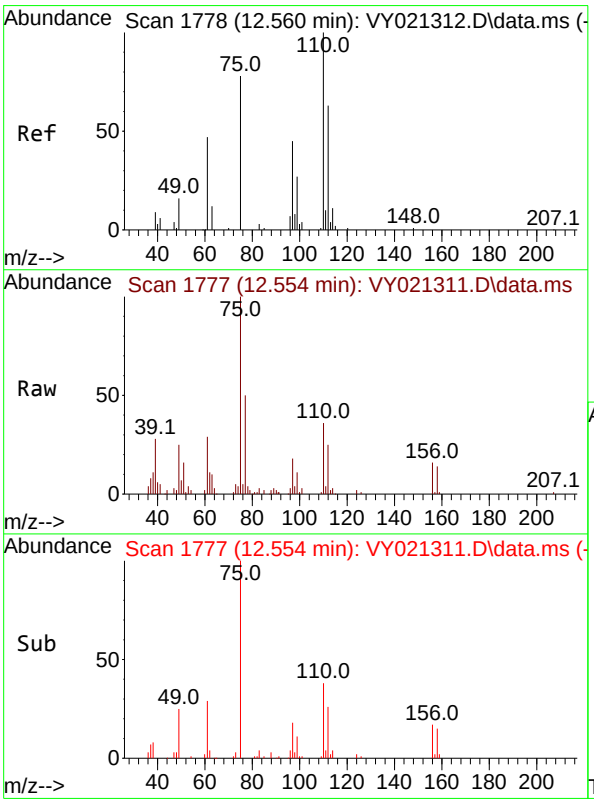
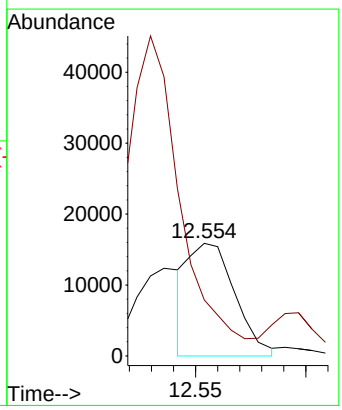
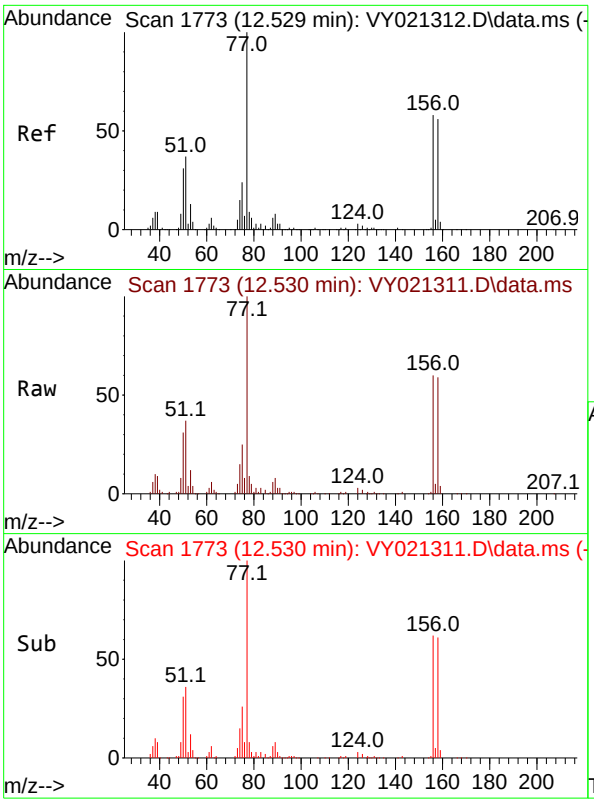


#76
1,2,3-Trichloropropane
Concen: 17.801 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 23402

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

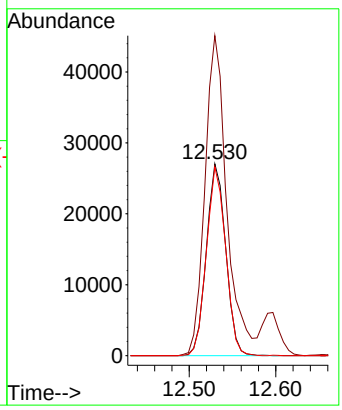




#77
Bromobenzene
Concen: 18.433 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:156 Resp: 4207

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.9	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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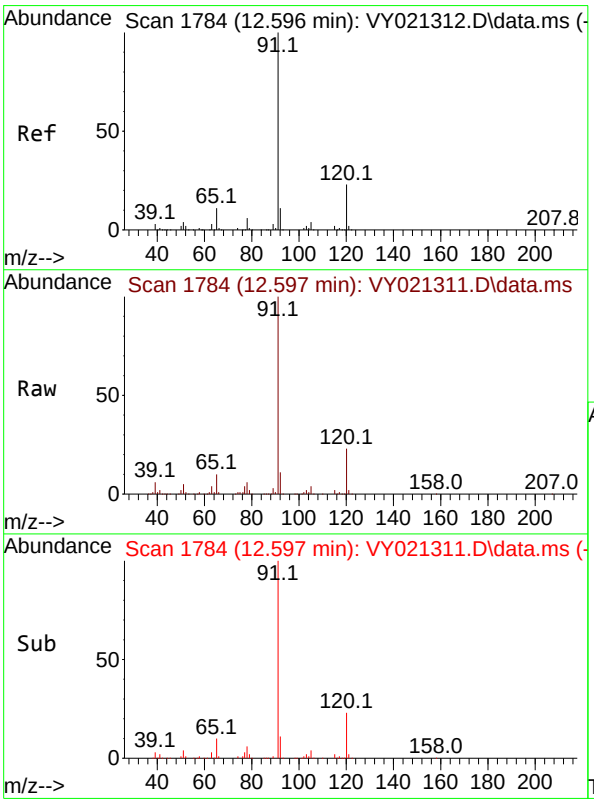
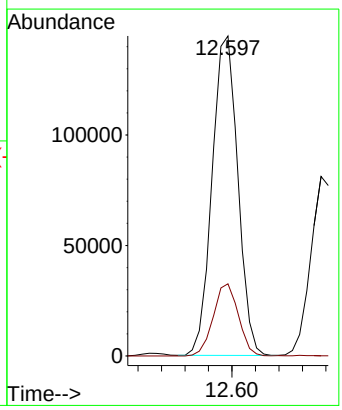
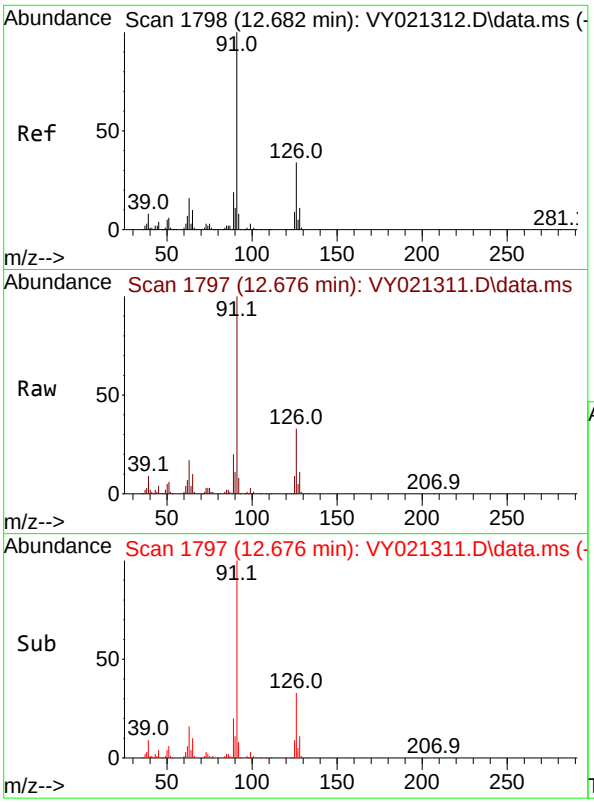


#78
n-propylbenzene
Concen: 18.486 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 220158

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5





#79
2-Chlorotoluene
Concen: 18.430 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

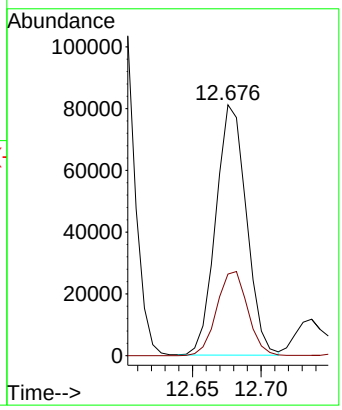
Tgt Ion: 91 Resp: 12596

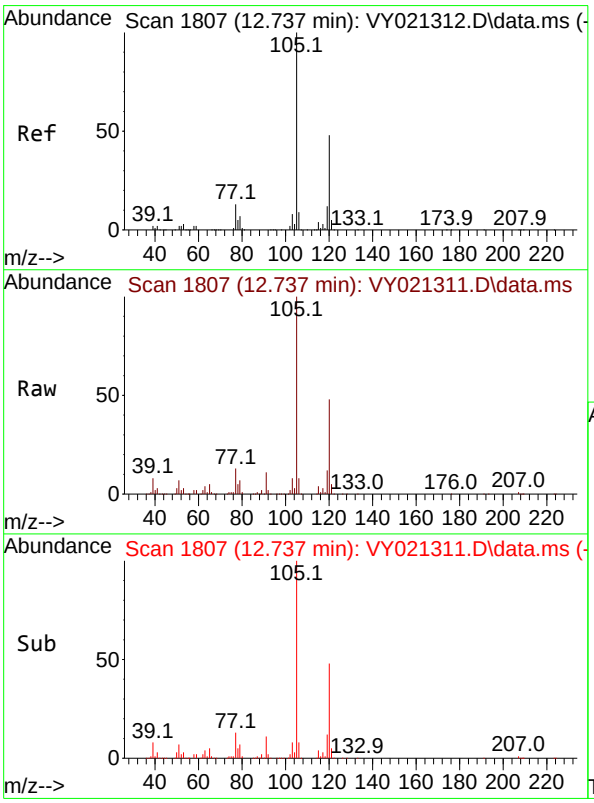
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

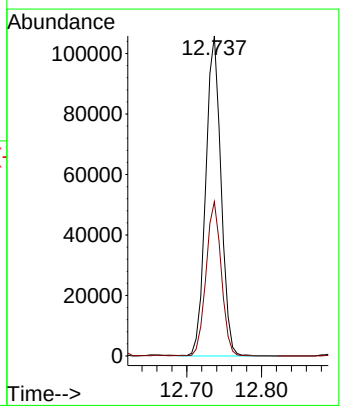


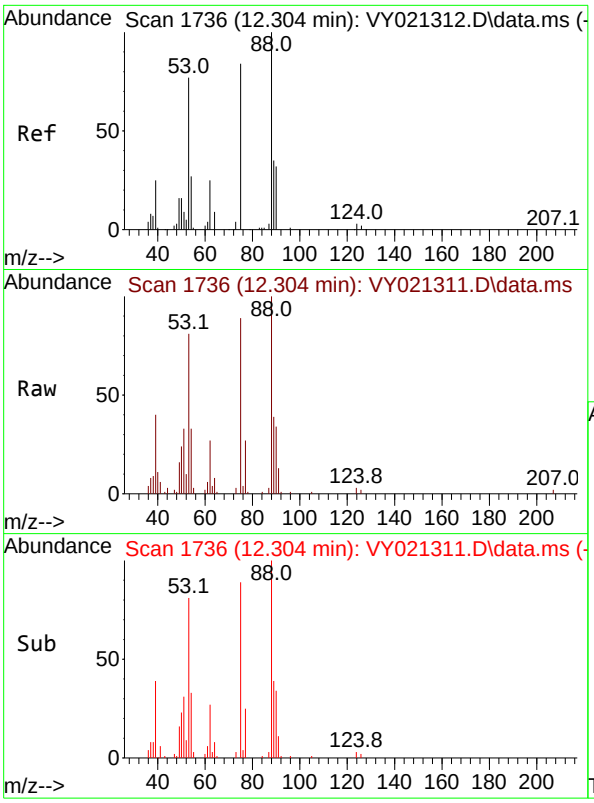


#80
1,3,5-Trimethylbenzene
Concen: 18.635 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 150004

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.483 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 1086

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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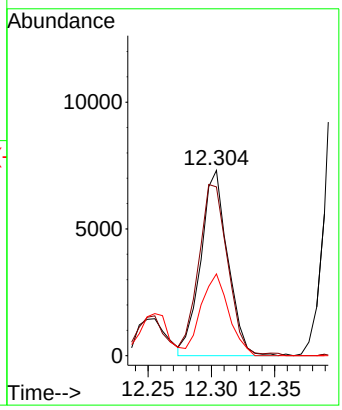
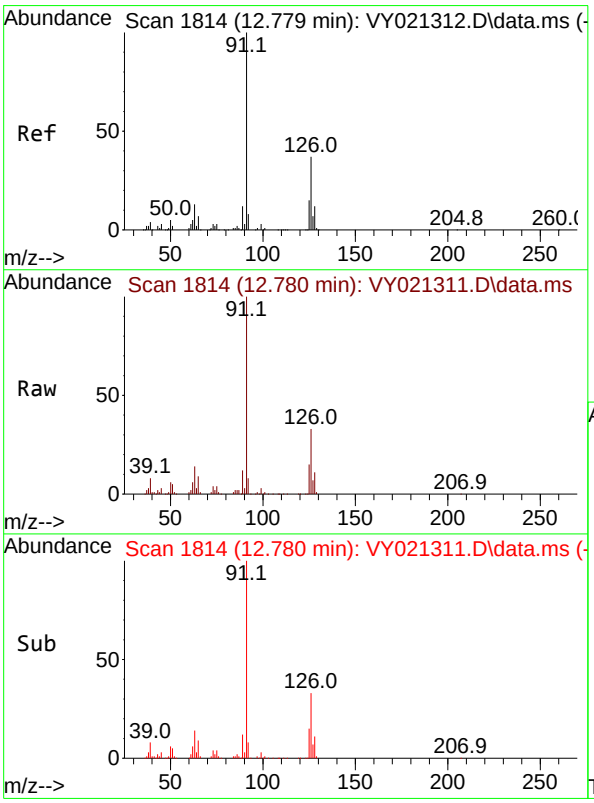
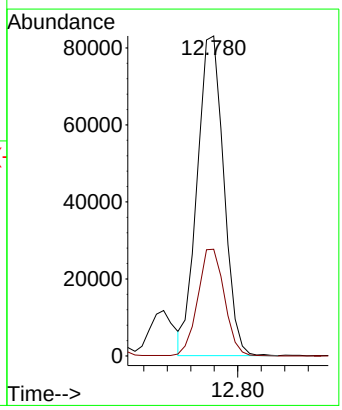


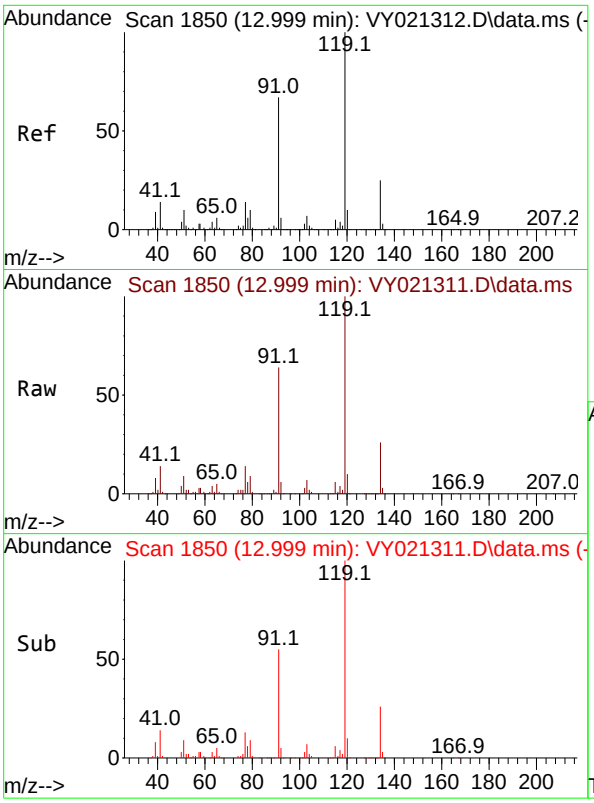


#82
4-Chlorotoluene
Concen: 18.396 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 130335

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

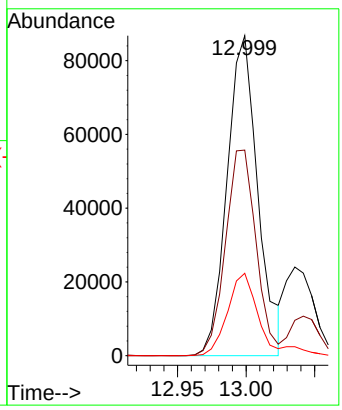




#83
tert-Butylbenzene
Concen: 18.681 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 13582

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.7	98.1
134	26.8	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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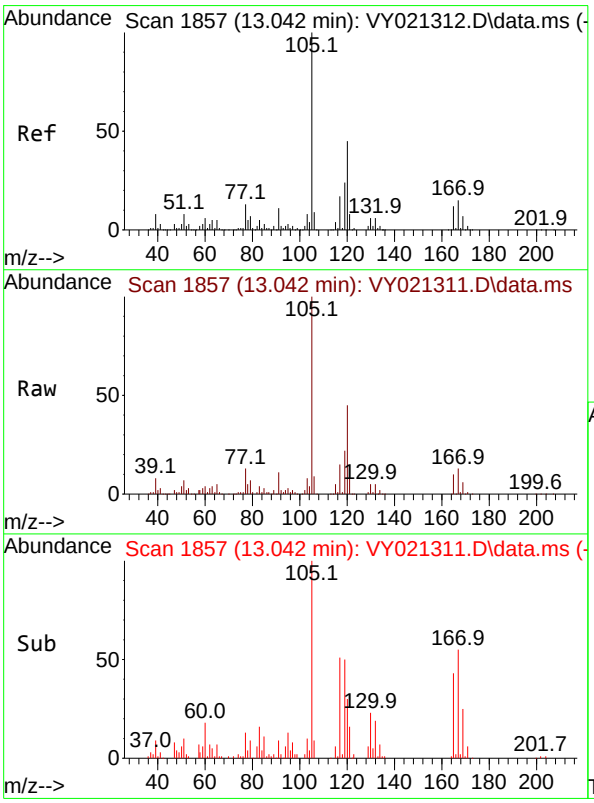
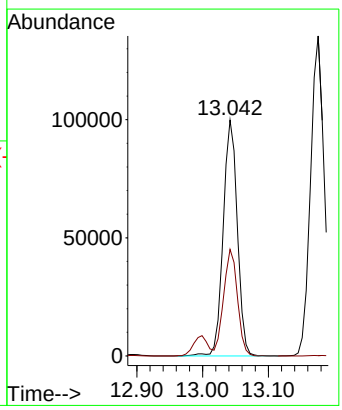
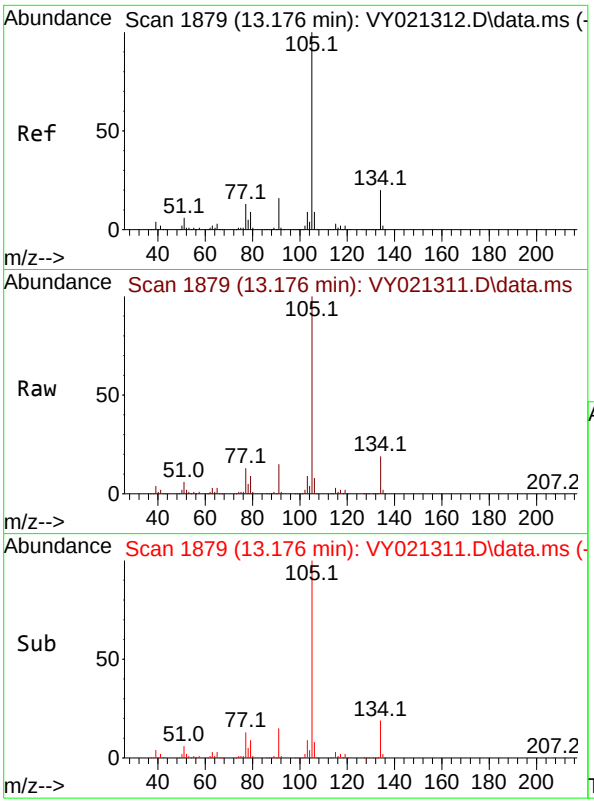


#84
1,2,4-Trimethylbenzene
Concen: 18.657 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 149358

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.3





#85
sec-Butylbenzene
Concen: 18.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 19633

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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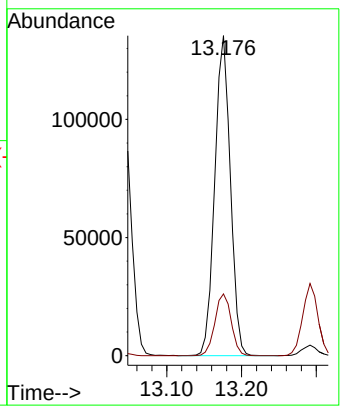
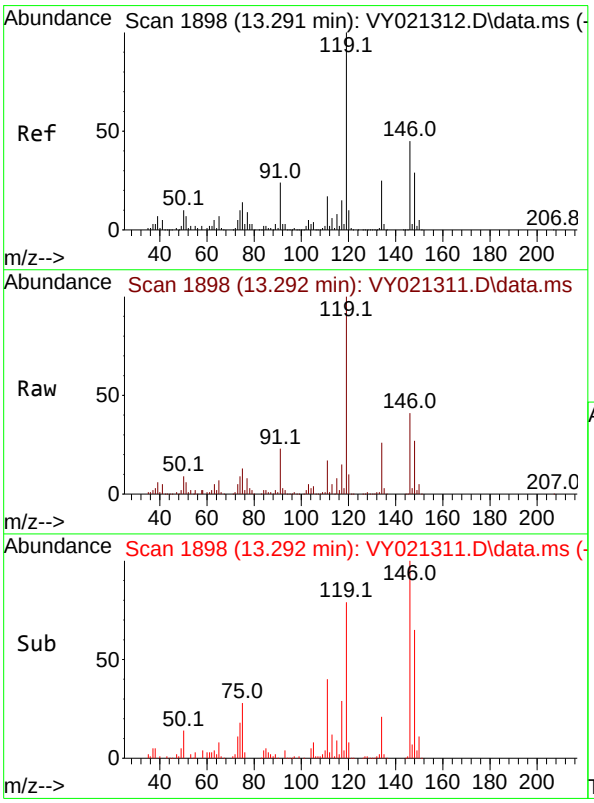
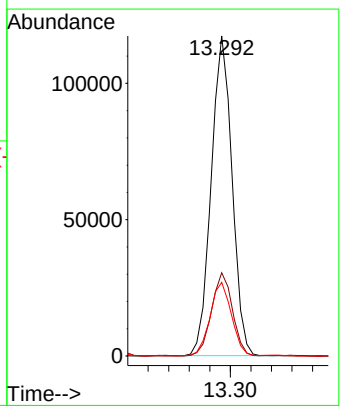


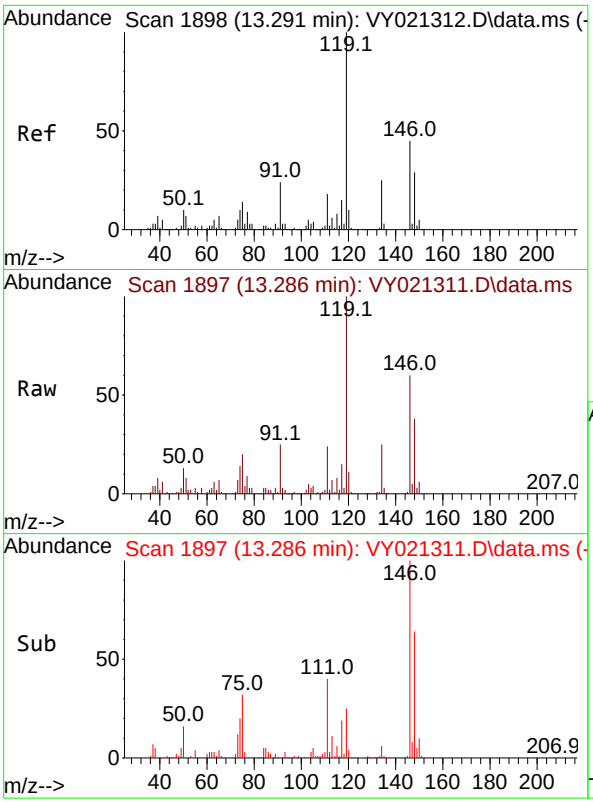


#86
p-Isopropyltoluene
Concen: 18.620 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 165127

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	38.9
91	23.5	12.0	36.1

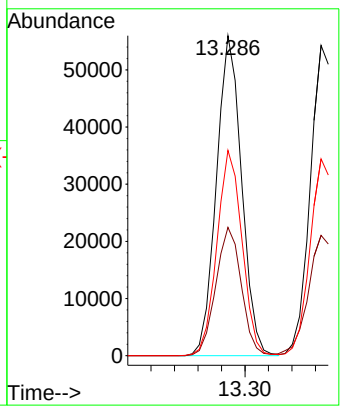




#87
1,3-Dichlorobenzene
Concen: 18.483 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 8346

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.0	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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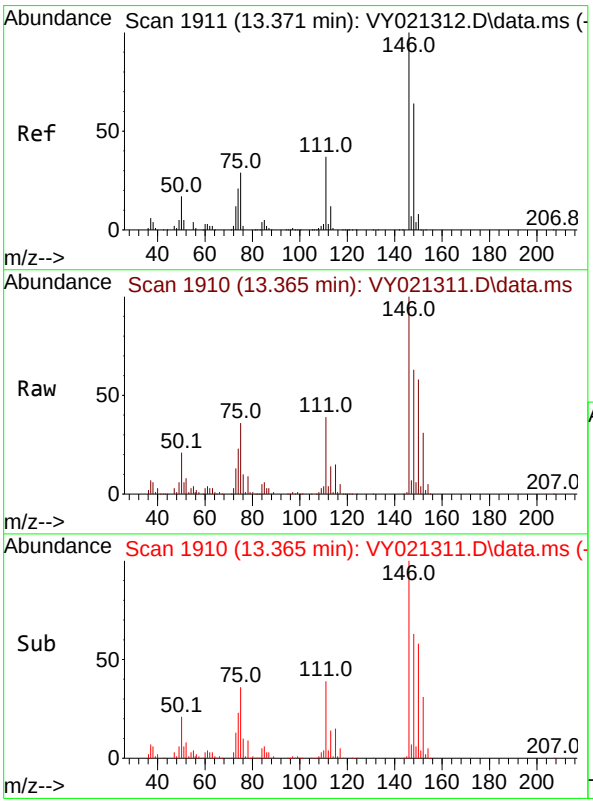
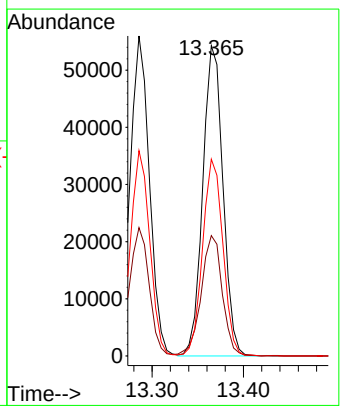
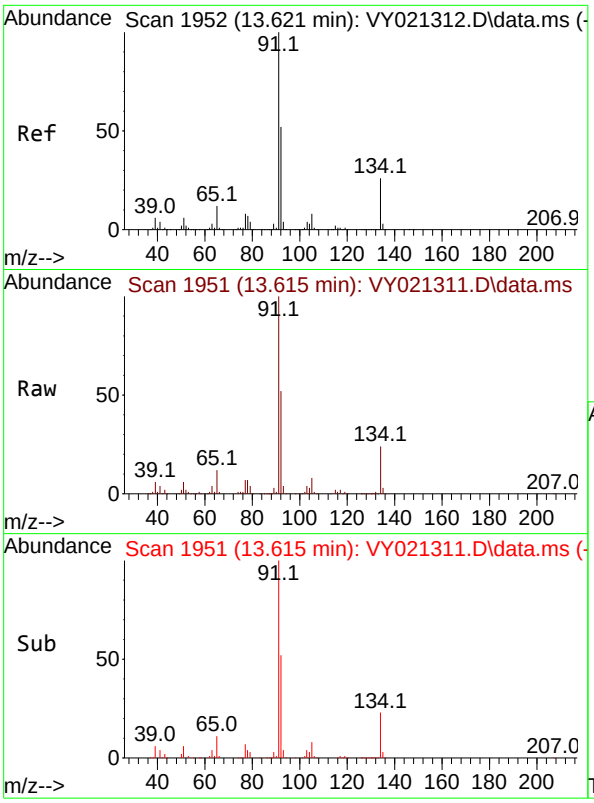


#88
1,4-Dichlorobenzene
Concen: 18.646 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 83179

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.5	58.5
148	63.9	32.0	96.2

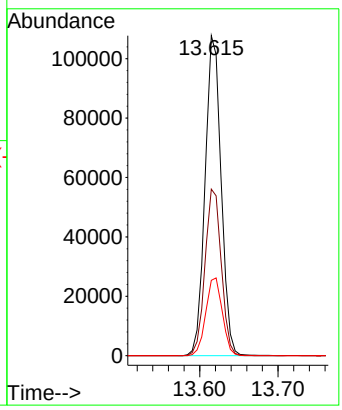




#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 15303

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.0	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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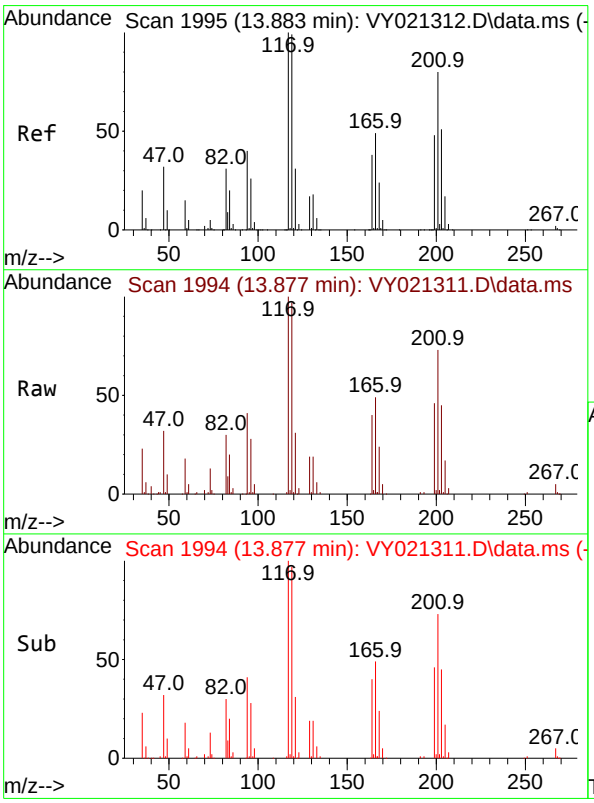
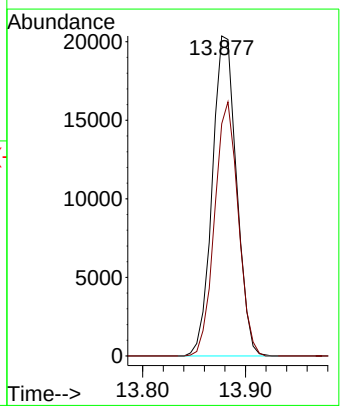
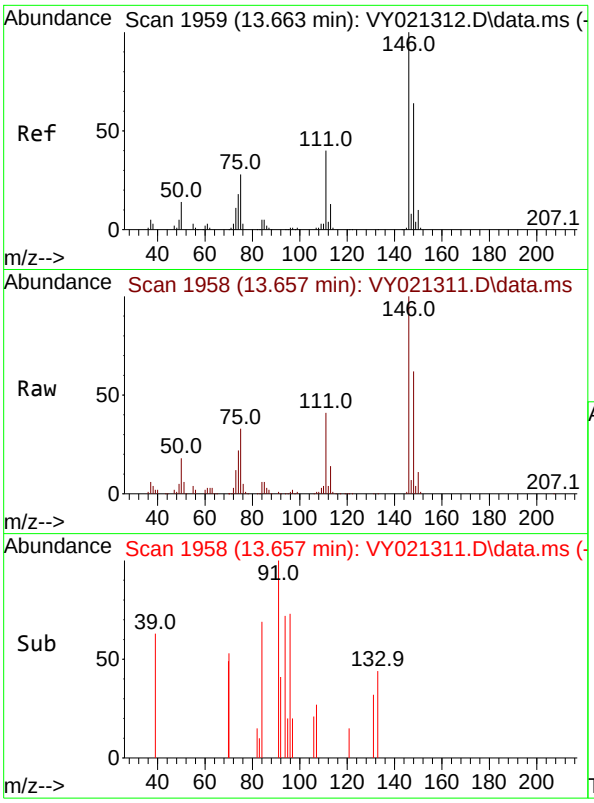


#90
Hexachloroethane
Concen: 17.998 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 33341

Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.4	115.2

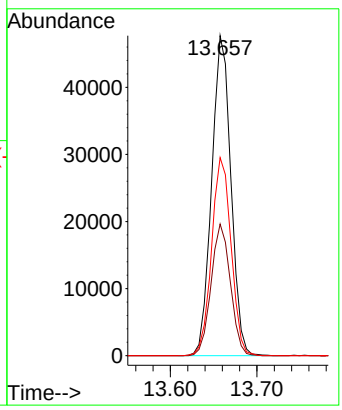




#91
1,2-Dichlorobenzene
Concen: 18.581 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 7351

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	62.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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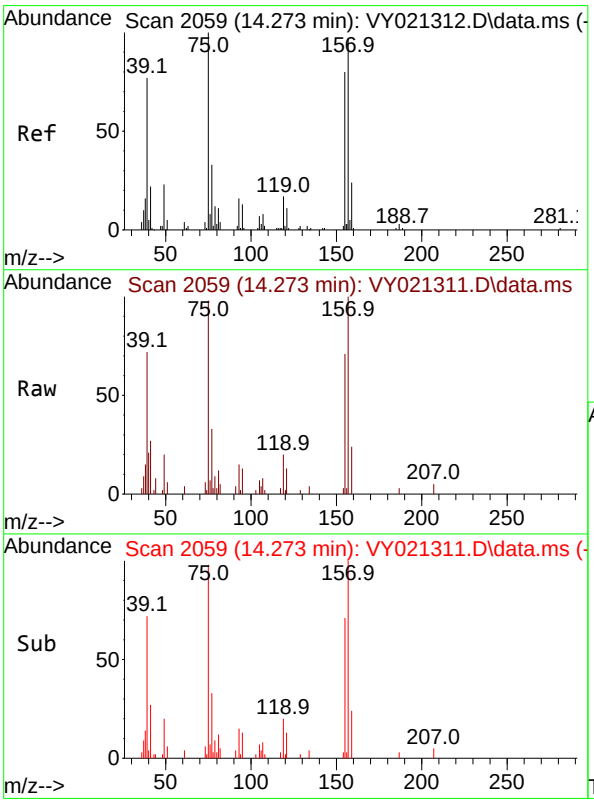
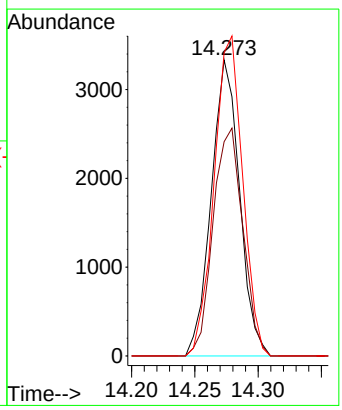
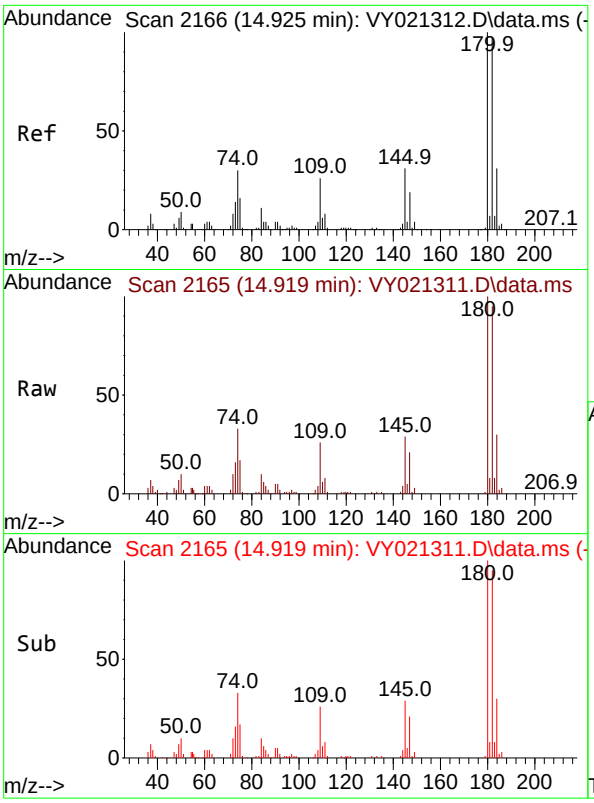


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.908 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5181

Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.9	125.6
157	109.0	52.5	157.6

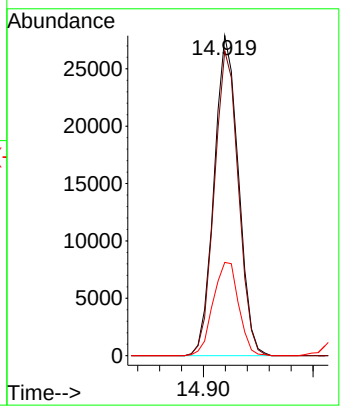




#93
1,2,4-Trichlorobenzene
Concen: 17.770 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 4290

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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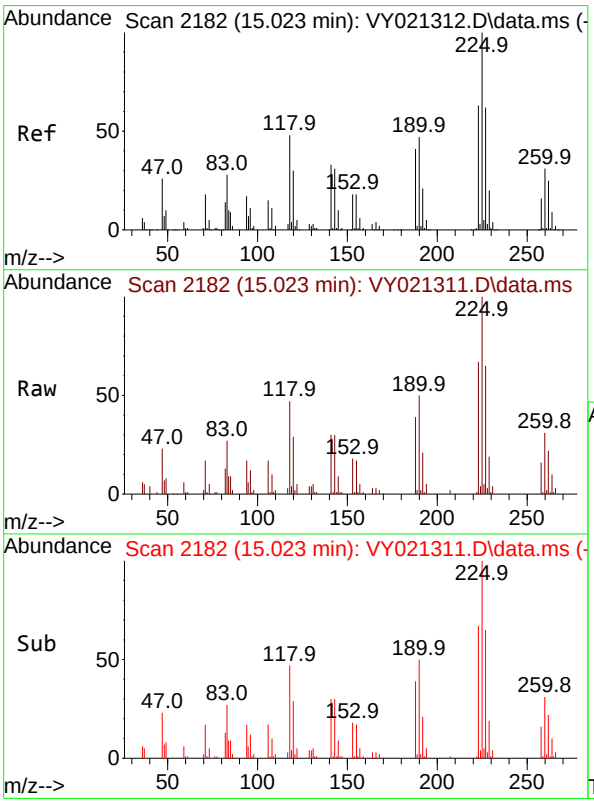
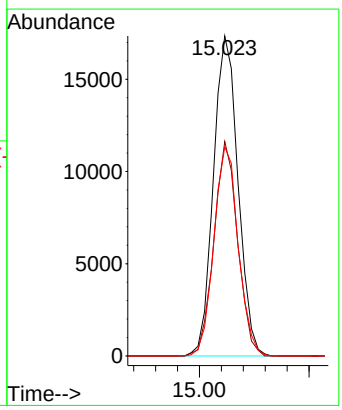
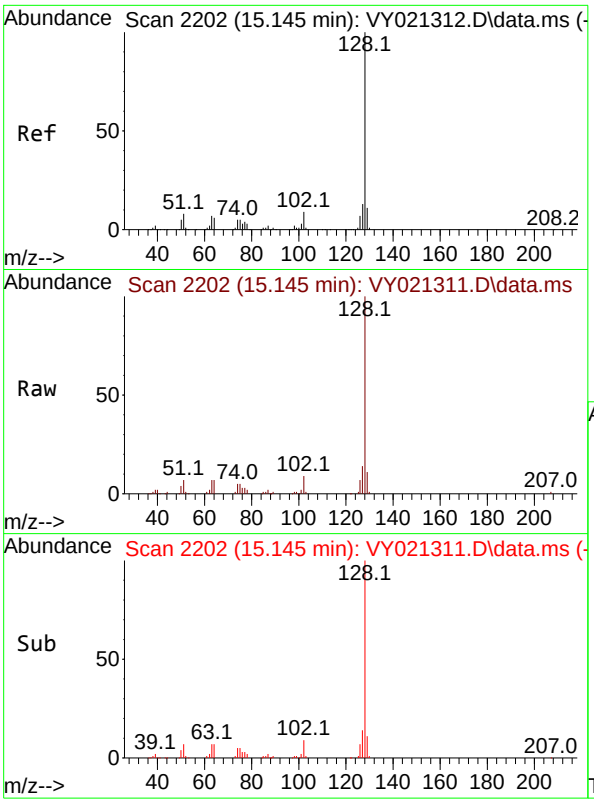


#94
Hexachlorobutadiene
Concen: 17.771 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:225 Resp: 27015

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.4
227	64.7	31.9	95.7

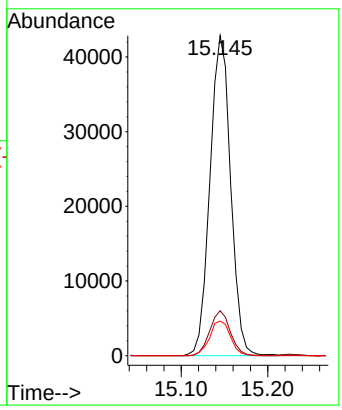




#95
Naphthalene
Concen: 17.763 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:128 Resp: 7104

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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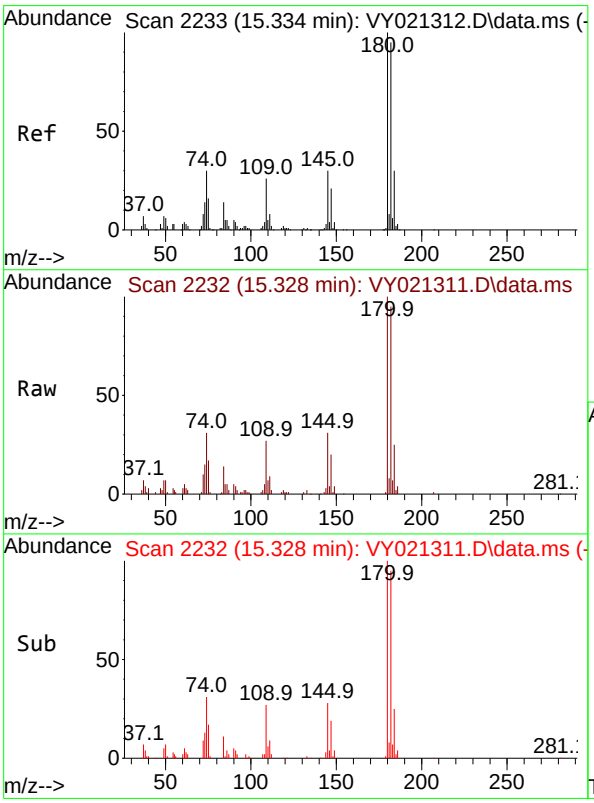
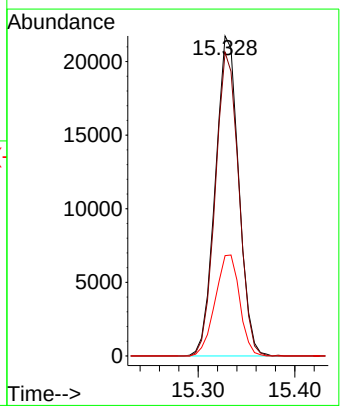


#96
1,2,3-Trichlorobenzene
Concen: 17.871 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 36460

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	32.9	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	175365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	272563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	239724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96694	48.606	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.220%			
35) Dibromofluoromethane	7.634	113	88513	49.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.060%			
50) Toluene-d8	10.103	98	340929	49.367	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.408	95	115401	49.652	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86387	51.957	ug/l	100
3) Chloromethane	2.068	50	105626	49.191	ug/l	100
4) Vinyl Chloride	2.202	62	109961	52.173	ug/l	100
5) Bromomethane	2.592	94	67780	48.395	ug/l	100
6) Chloroethane	2.732	64	68323	52.276	ug/l	100
7) Trichlorofluoromethane	3.056	101	164215	51.592	ug/l	100
8) Diethyl Ether	3.452	74	50185	52.532	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	94197	51.116	ug/l	100
10) Methyl Iodide	4.007	142	111673	57.600	ug/l	100
11) Tert butyl alcohol	4.854	59	35300	230.691	ug/l	100
12) 1,1-Dichloroethene	3.787	96	90388	51.226	ug/l	100
13) Acrolein	3.647	56	5860	49.975	ug/l	100
14) Allyl chloride	4.385	41	162419	51.918	ug/l	100
15) Acrylonitrile	5.055	53	111677	264.397	ug/l	100
16) Acetone	3.866	43	111923	293.294	ug/l	100
17) Carbon Disulfide	4.104	76	304042	51.892	ug/l	100
18) Methyl Acetate	4.385	43	48368	51.864	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	247280	53.043	ug/l	100
20) Methylene Chloride	4.610	84	102592	49.716	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	100568	51.774	ug/l	100
22) Diisopropyl ether	6.012	45	343920	53.126	ug/l	100
23) Vinyl Acetate	5.957	43	1041767	269.294	ug/l	100
24) 1,1-Dichloroethane	5.915	63	189943	52.057	ug/l	100
25) 2-Butanone	6.890	43	160248	278.240	ug/l	100
26) 2,2-Dichloropropane	6.884	77	170469	51.489	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	116627	52.579	ug/l	100
28) Bromochloromethane	7.244	49	79678	49.352	ug/l	100
29) Tetrahydrofuran	7.256	42	100417	266.741	ug/l	100
30) Chloroform	7.421	83	191980	51.925	ug/l	100
31) Cyclohexane	7.701	56	173460	49.456	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	172880	51.372	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140574	52.371	ug/l	100
37) Ethyl Acetate	6.982	43	70184	52.565	ug/l	100
38) Carbon Tetrachloride	7.817	117	158319	52.465	ug/l	100
39) Methylcyclohexane	9.109	83	180496	53.165	ug/l	100
40) Benzene	8.079	78	417798	52.655	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	39965	53.535 ug/l	100
42) 1,2-Dichloroethane	8.158	62	118176	52.494 ug/l	100
43) Isopropyl Acetate	8.195	43	139829	54.106 ug/l	100
44) Trichloroethene	8.865	130	104074	52.389 ug/l	100
45) 1,2-Dichloropropane	9.140	63	101166	52.980 ug/l	100
46) Dibromomethane	9.231	93	55365	53.043 ug/l	100
47) Bromodichloromethane	9.420	83	147382	52.957 ug/l	100
48) Methyl methacrylate	9.219	41	67406	55.775 ug/l	100
49) 1,4-Dioxane	9.231	88	12193	1050.591 ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	364446	275.485 ug/l	100
52) Toluene	10.170	92	263062	53.367 ug/l	100
53) t-1,3-Dichloropropene	10.390	75	140399	55.062 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	161021	53.492 ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	72720	53.481 ug/l	100
56) Ethyl methacrylate	10.438	69	106914	56.904 ug/l	100
57) 1,3-Dichloropropane	10.719	76	127795	53.559 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	260718	289.104 ug/l	100
59) 2-Hexanone	10.761	43	249578	287.258 ug/l	100
60) Dibromochloromethane	10.908	129	100250	54.134 ug/l	100
61) 1,2-Dibromoethane	11.018	107	69236	53.783 ug/l	100
64) Tetrachloroethene	10.646	164	93317	51.501 ug/l	100
65) Chlorobenzene	11.444	112	281918	52.390 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	99131	52.611 ug/l	100
67) Ethyl Benzene	11.517	91	510639	53.573 ug/l	100
68) m/p-Xylenes	11.627	106	384346	107.204 ug/l	100
69) o-Xylene	11.956	106	181728	54.108 ug/l	100
70) Styrene	11.969	104	306007	54.760 ug/l	100
71) Bromoform	12.133	173	58860	54.605 ug/l	100
73) Isopropylbenzene	12.255	105	483937	52.885 ug/l	100
74) N-amyl acetate	12.072	43	129020	55.471 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	84893	52.566 ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	63683m	51.954 ug/l	
77) Bromobenzene	12.529	156	110538	51.935 ug/l	100
78) n-propylbenzene	12.596	91	587915	52.946 ug/l	100
79) 2-Chlorotoluene	12.682	91	330472	51.857 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	395609	52.712 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	29649	54.090 ug/l	100
82) 4-Chlorotoluene	12.779	91	342611	51.864 ug/l	100
83) tert-Butylbenzene	12.999	119	352055	51.930 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	395315	52.962 ug/l	100
85) sec-Butylbenzene	13.176	105	518094	52.319 ug/l	100
86) p-Isopropyltoluene	13.291	119	437283	52.884 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	218136	51.811 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	213090	51.233 ug/l	100
89) n-Butylbenzene	13.621	91	416377	53.510 ug/l	100
90) Hexachloroethane	13.883	117	87765	50.814 ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	191758	51.985 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13782	53.947 ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	117882	52.360 ug/l	100
94) Hexachlorobutadiene	15.023	225	71915	50.738 ug/l	100
95) Naphthalene	15.145	128	209478	56.174 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	100312	52.735 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

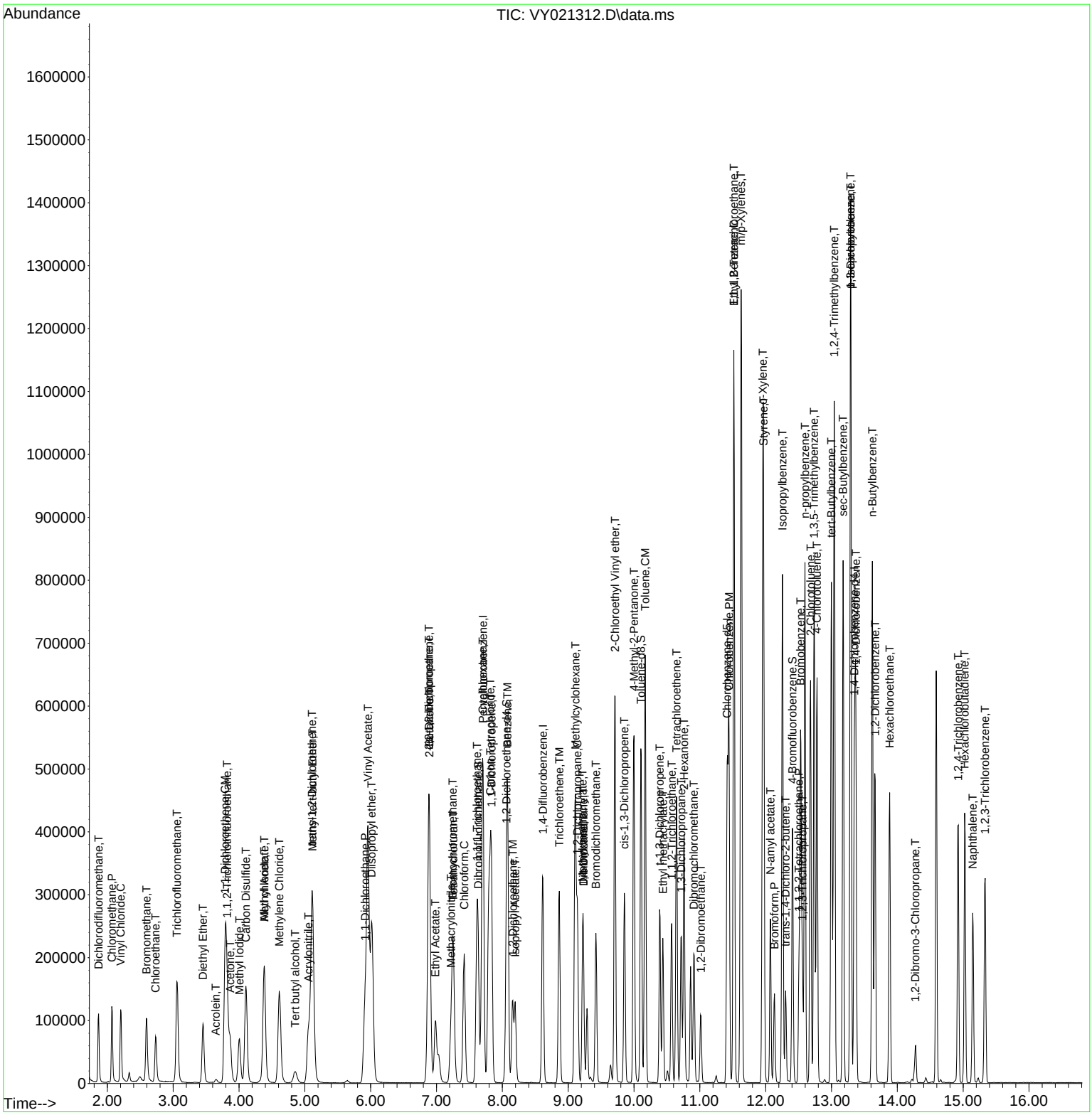
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

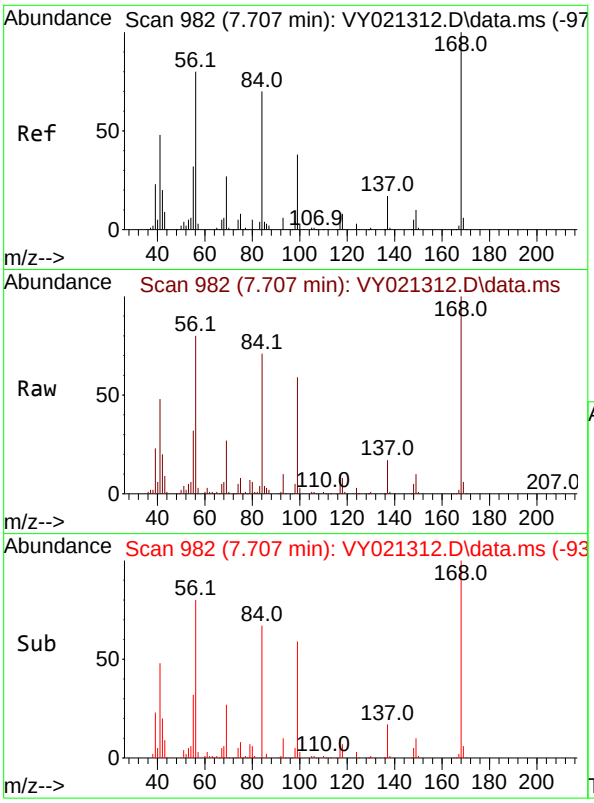
Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

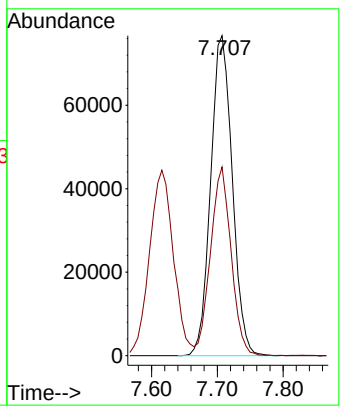
Tgt Ion:168 Resp: 17536

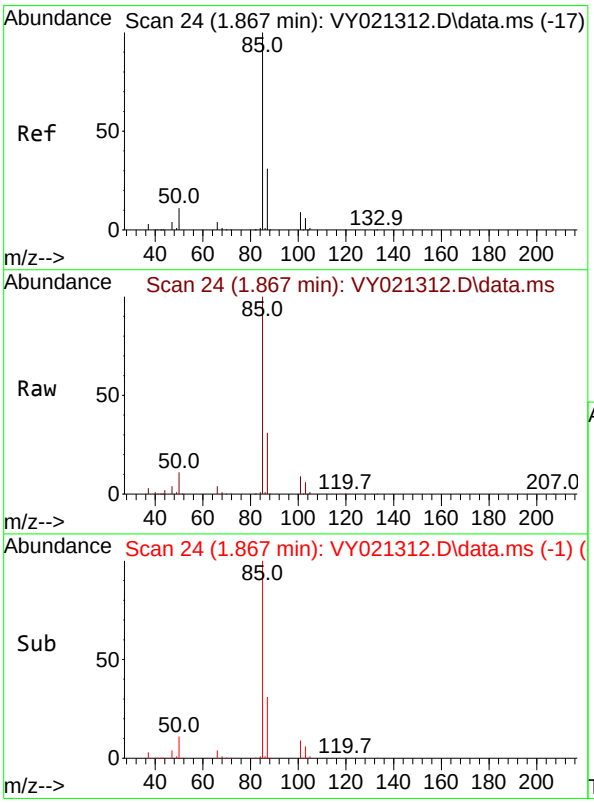
Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

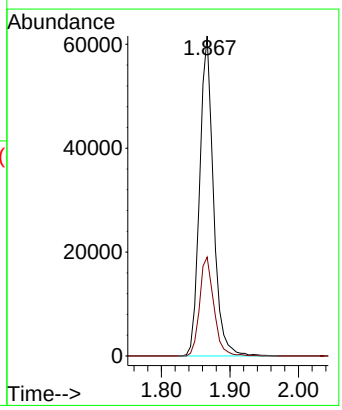


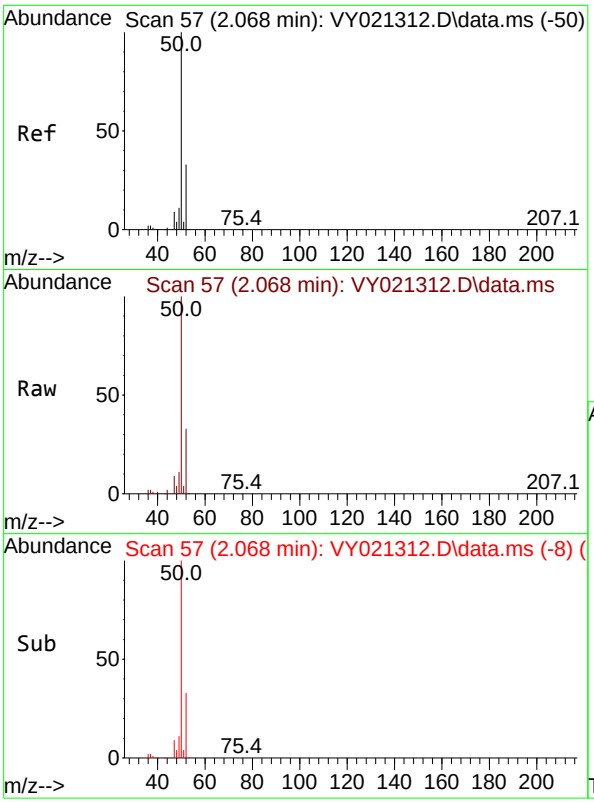


#2
Dichlorodifluoromethane
Concen: 51.957 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 85 Resp: 86387

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4

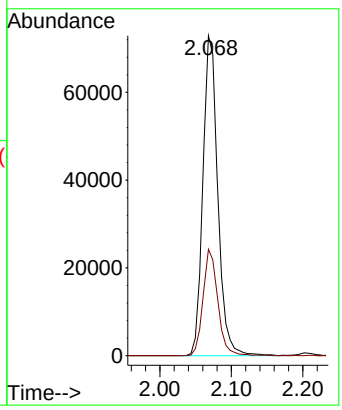




#3
Chloromethane
Concen: 49.191 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 50 Resp: 10562

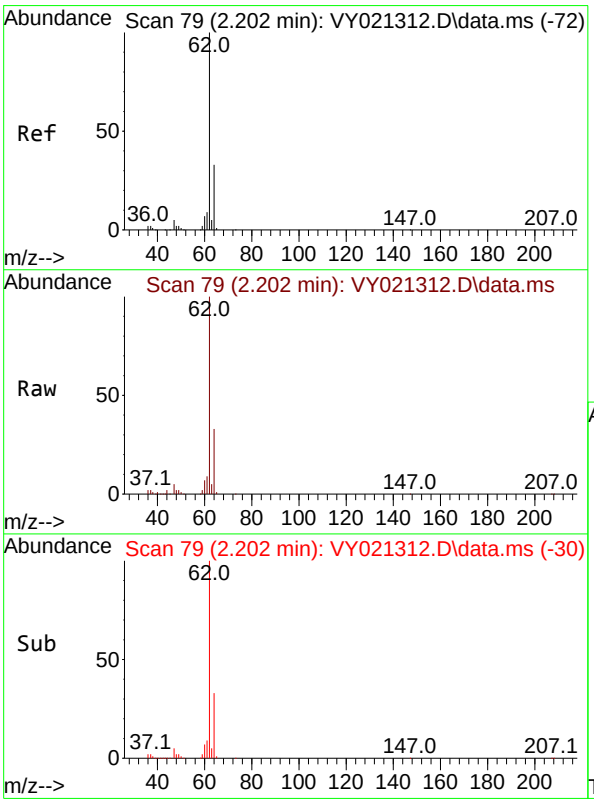
Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

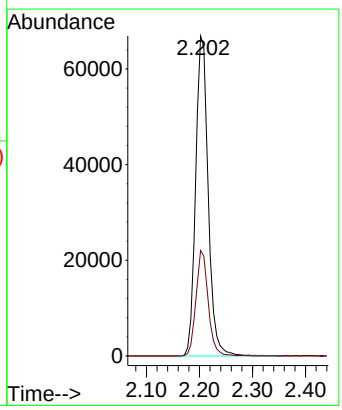
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

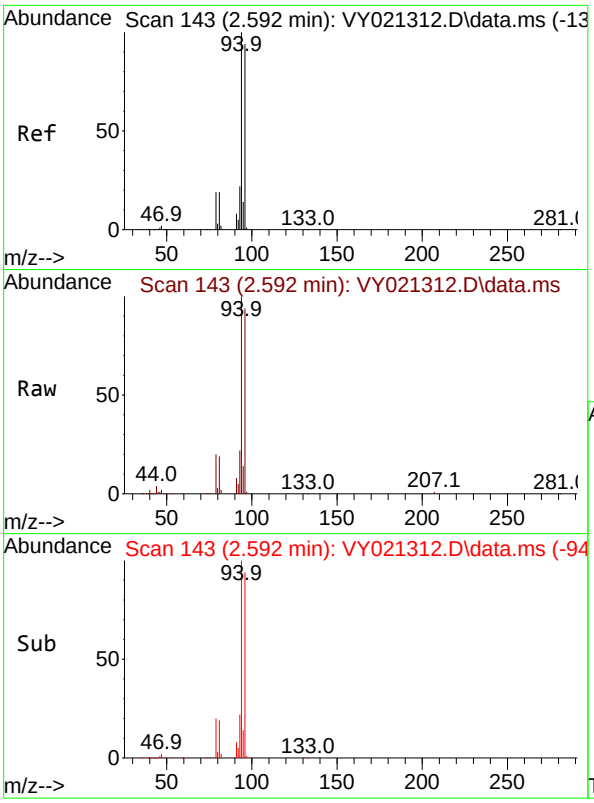


#4
Vinyl Chloride
Concen: 52.173 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 109961

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.3	39.5

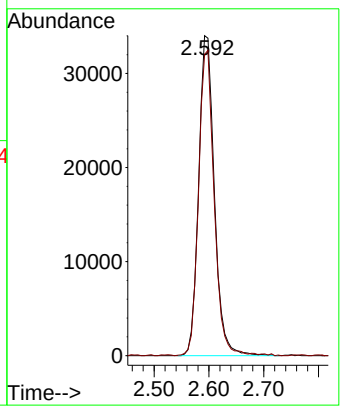




#5
Bromomethane
Concen: 48.395 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 94 Resp: 6778(

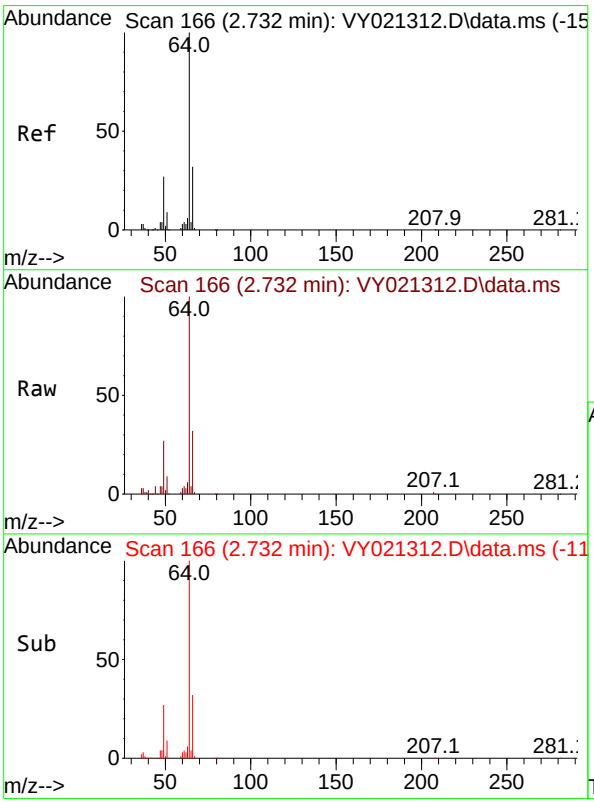
Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

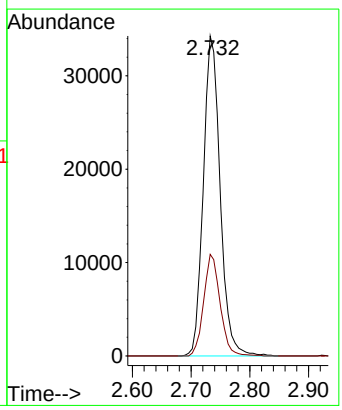
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

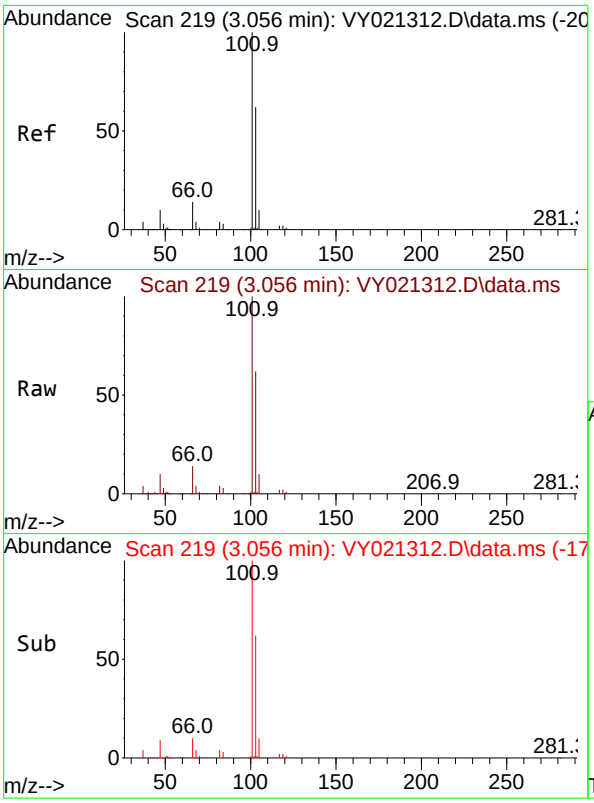


#6
Chloroethane
Concen: 52.276 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 64 Resp: 68323

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.4	38.0

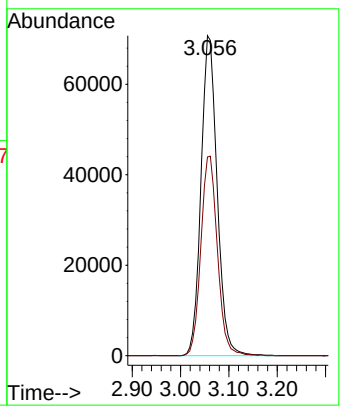




#7
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:101 Resp: 16421

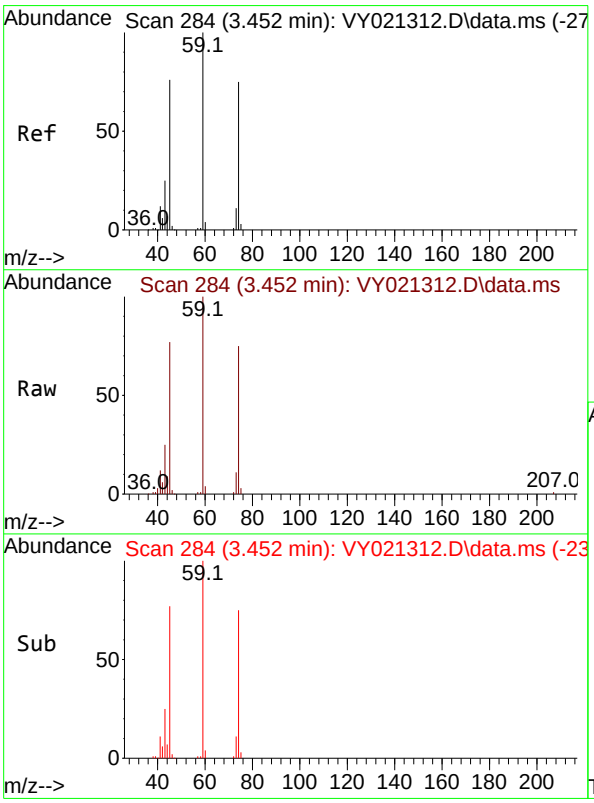
Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

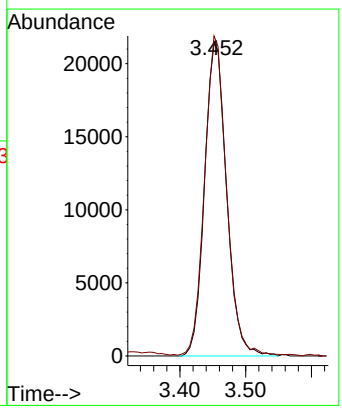
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

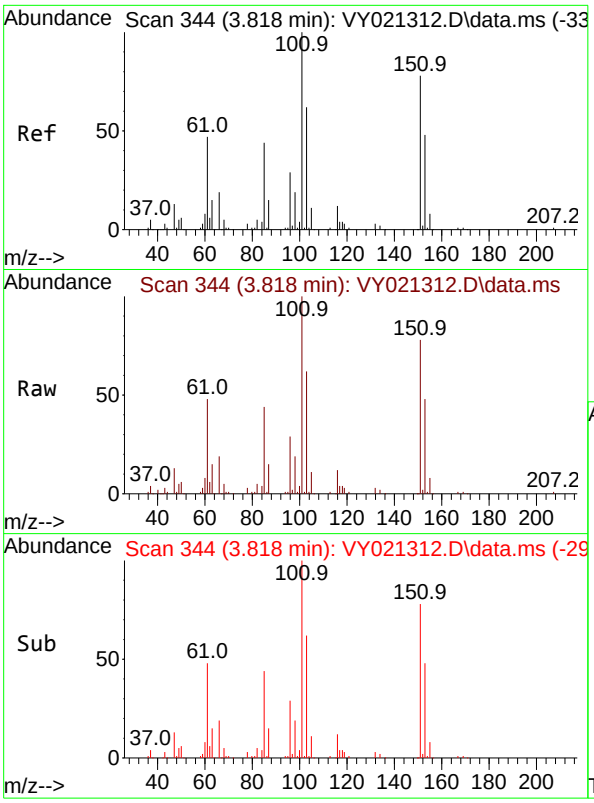


#8
Diethyl Ether
Concen: 52.532 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 74 Resp: 50185

Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.116 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

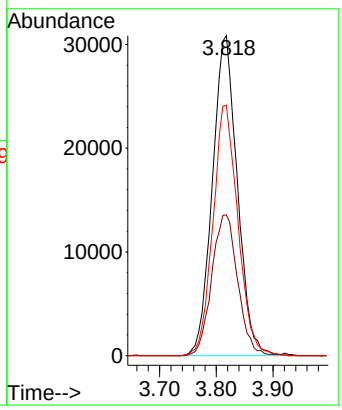
Tgt Ion:101 Resp: 9419

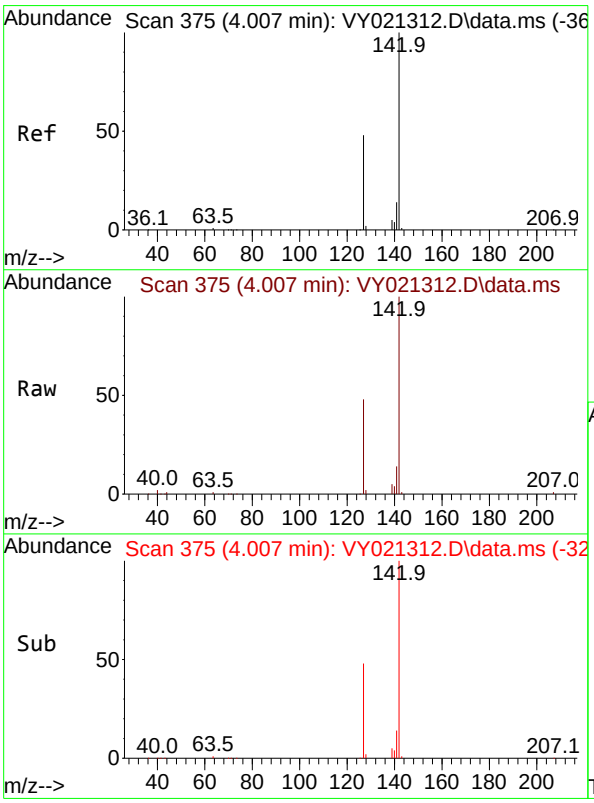
Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.7	55.1
151	78.3	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

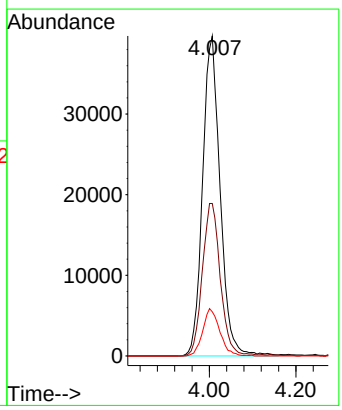


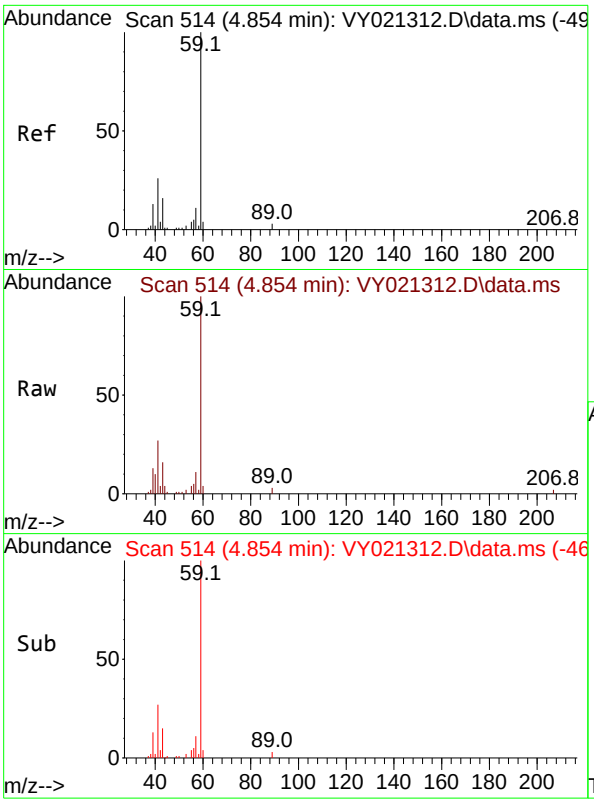


#10
Methyl Iodide
Concen: 57.600 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:142 Resp: 111673

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.3	11.4	17.2

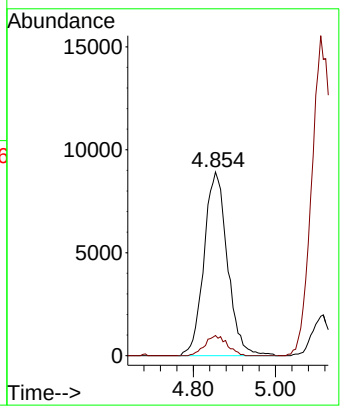




#11
Tert butyl alcohol
Concen: 230.691 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 59 Resp: 3530

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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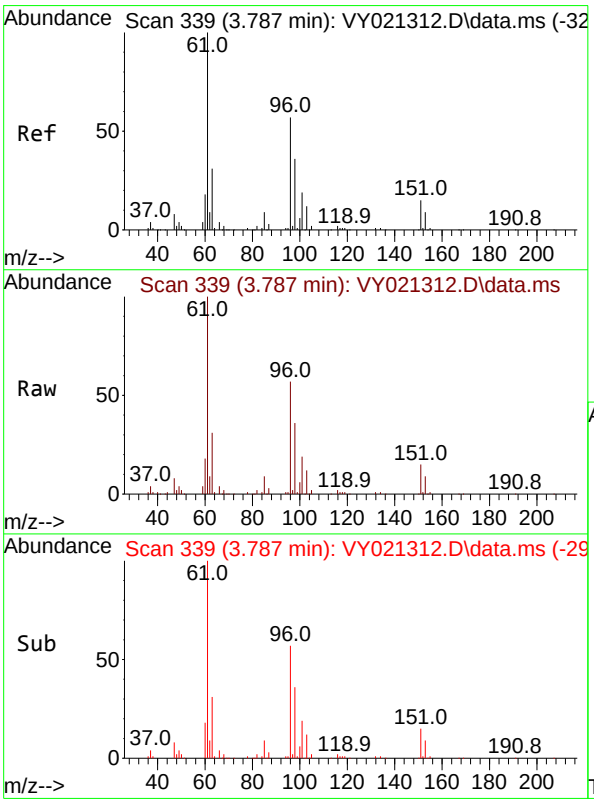
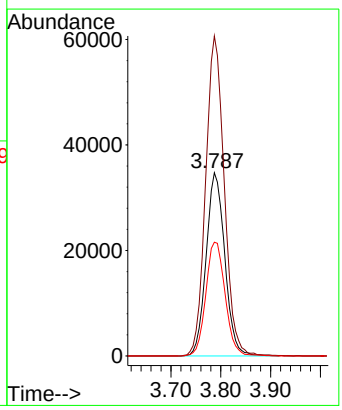
Supervised By :Mahesh Dadoda 02/26/2025

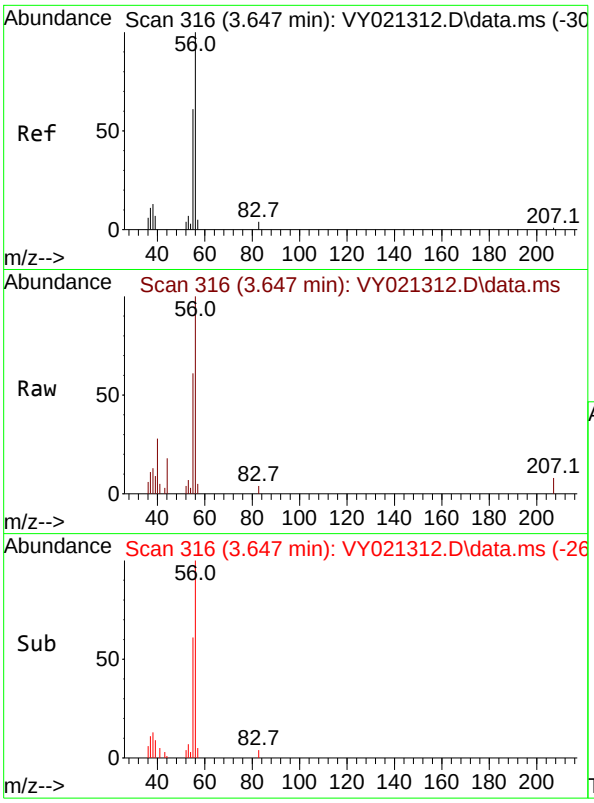


#12
1,1-Dichloroethene
Concen: 51.226 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 90388

Ion	Ratio	Lower	Upper
96	100		
61	174.6	139.7	209.5
98	62.1	49.7	74.5

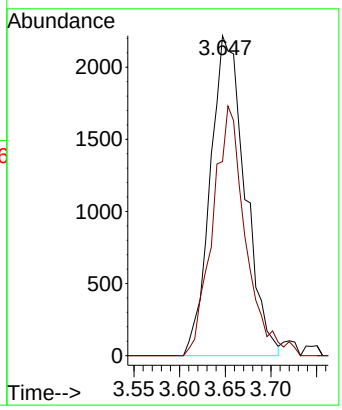




#13
Acrolein
Concen: 49.975 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 56 Resp: 586

Ion	Ratio	Lower	Upper
56	100		
55	73.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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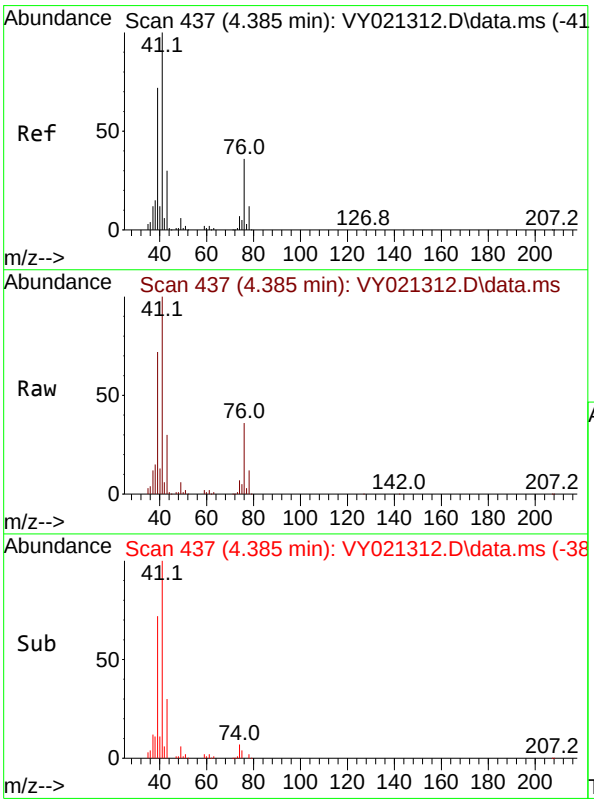
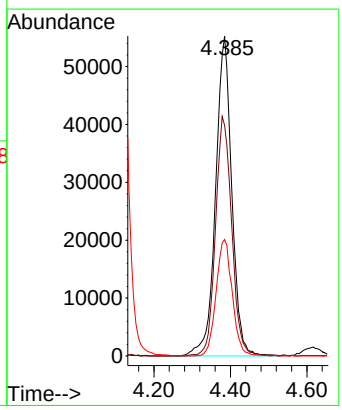
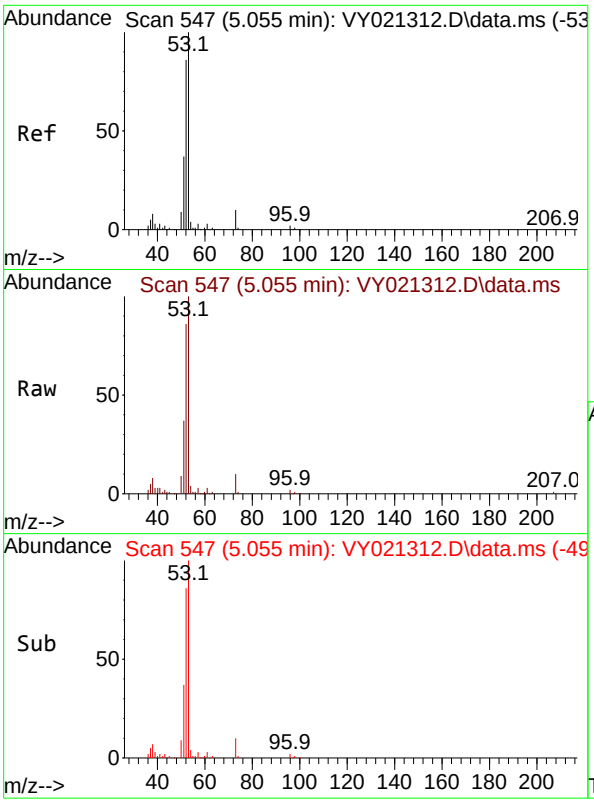


#14
Allyl chloride
Concen: 51.918 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 162419

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.0	90.0
76	36.3	29.0	43.6





#15
Acrylonitrile
Concen: 264.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 53 Resp: 11167

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	38.3	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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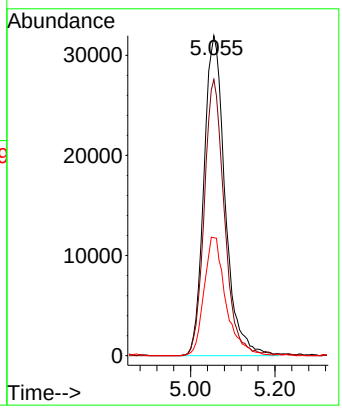
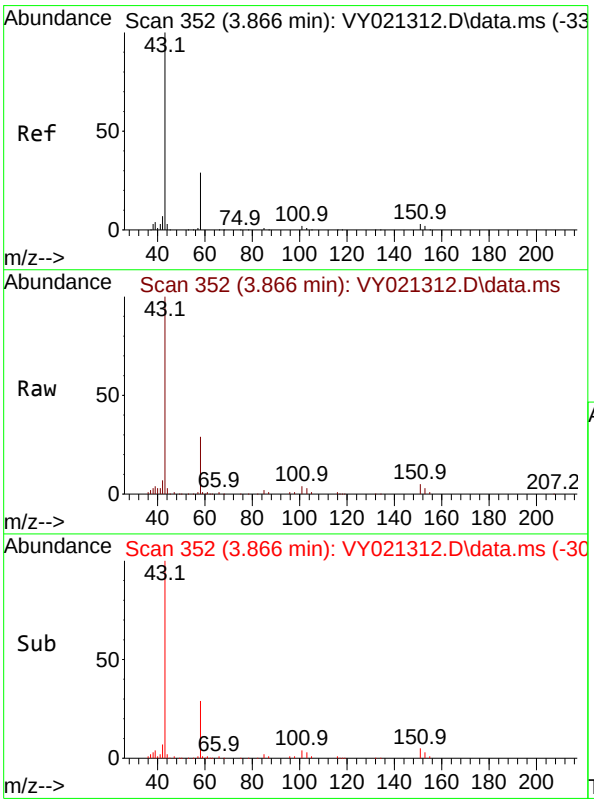
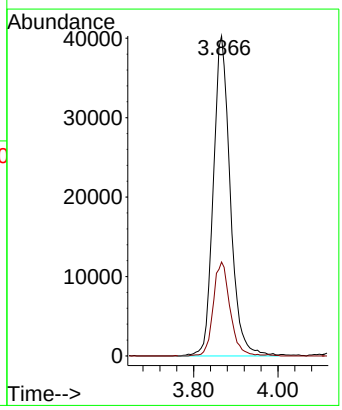


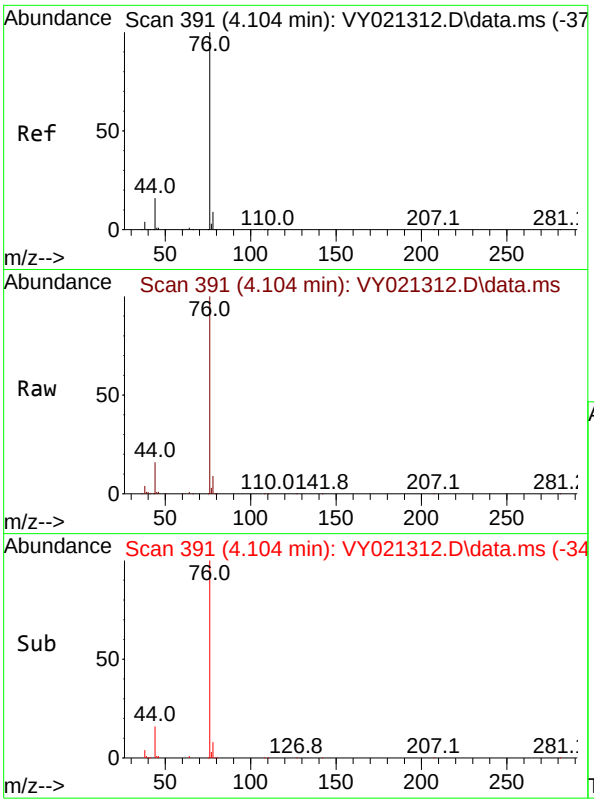


#16
Acetone
Concen: 293.294 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 111923

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.5	35.3

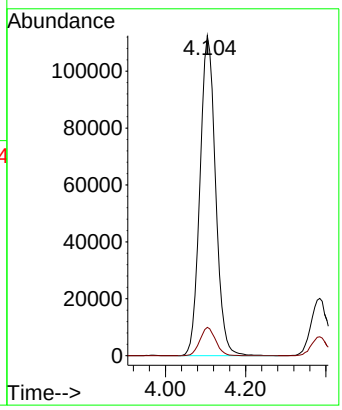




#17
Carbon Disulfide
Concen: 51.892 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 30404

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



Instrument :
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ClientSampleId :
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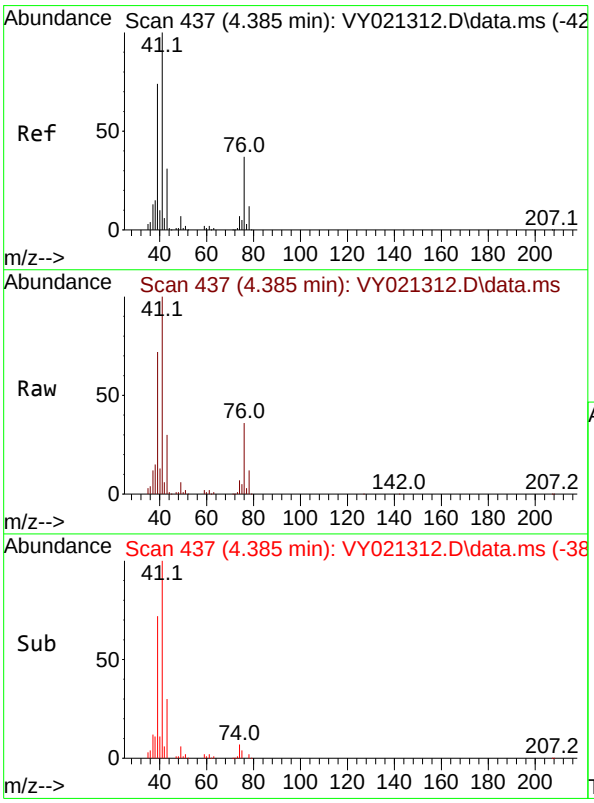
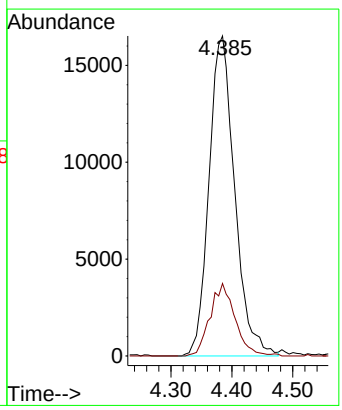
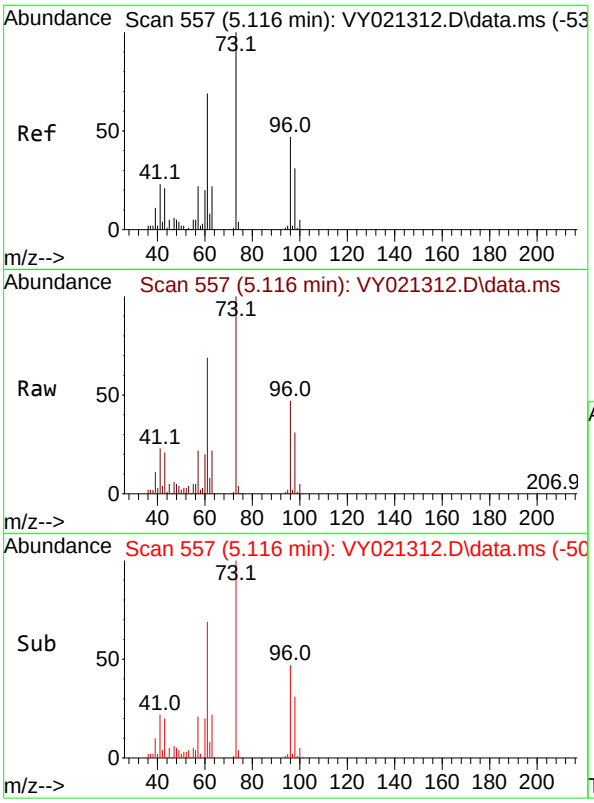


#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 48368

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5

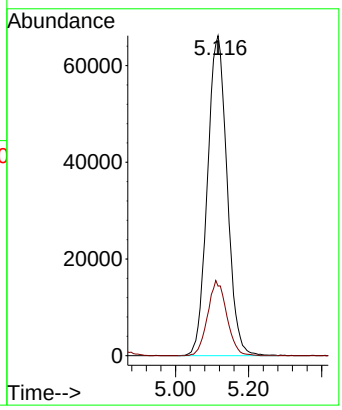




#19
Methyl tert-butyl Ether
Concen: 53.043 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 73 Resp: 24728

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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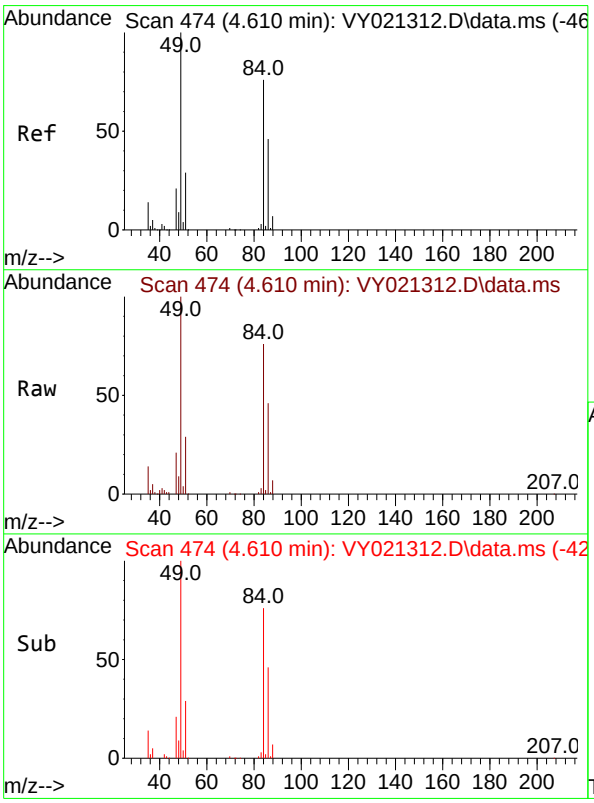
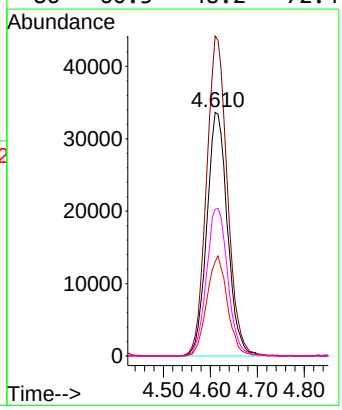
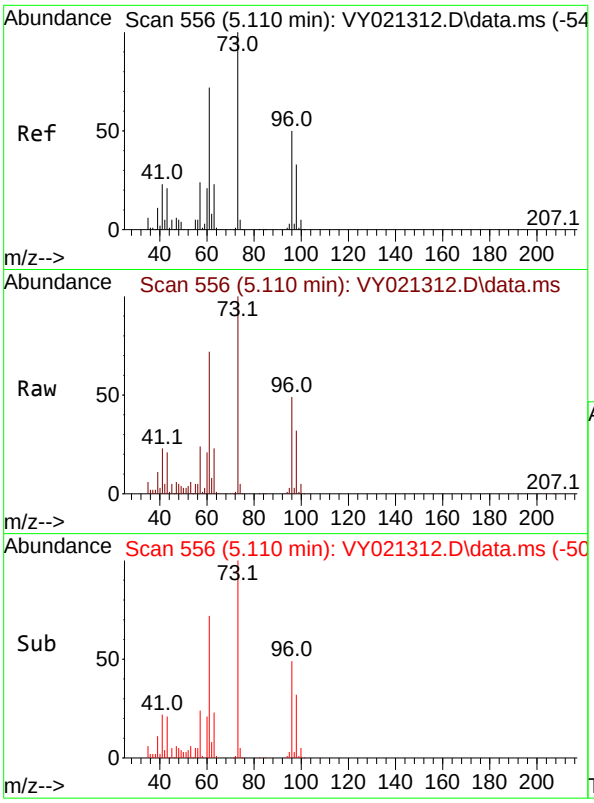


#20
Methylene Chloride
Concen: 49.716 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 84 Resp: 102592

Ion	Ratio	Lower	Upper
84	100		
49	131.4	105.1	157.7
51	38.7	31.0	46.4
86	60.3	48.2	72.4

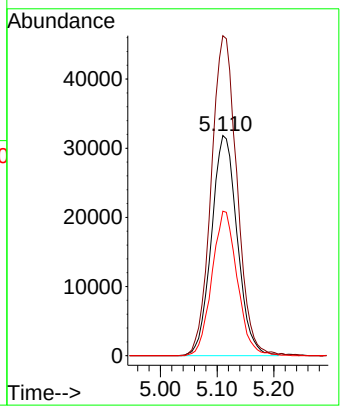




#21
trans-1,2-Dichloroethene
Concen: 51.774 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 10056

Ion	Ratio	Lower	Upper
96	100		
61	145.4	116.3	174.5
98	65.7	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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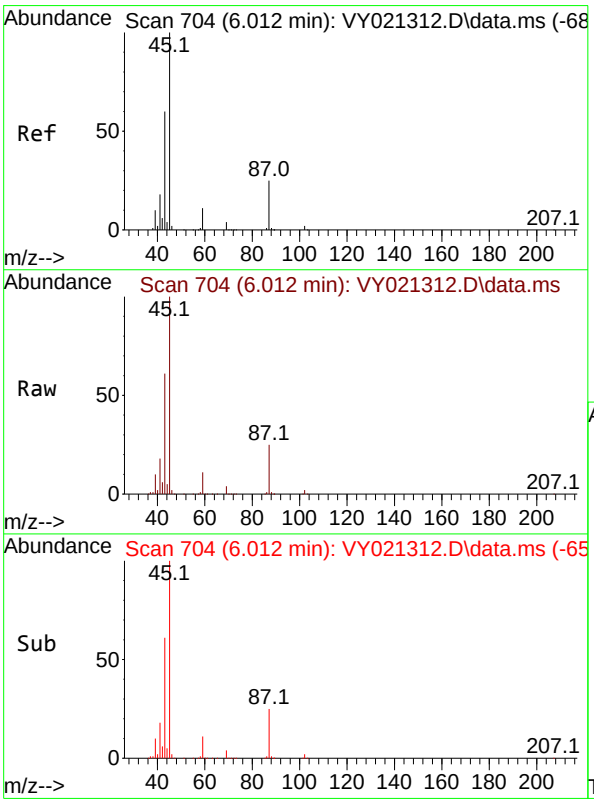
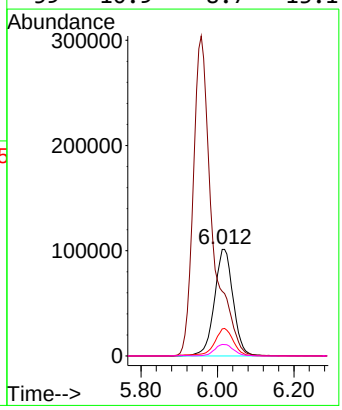
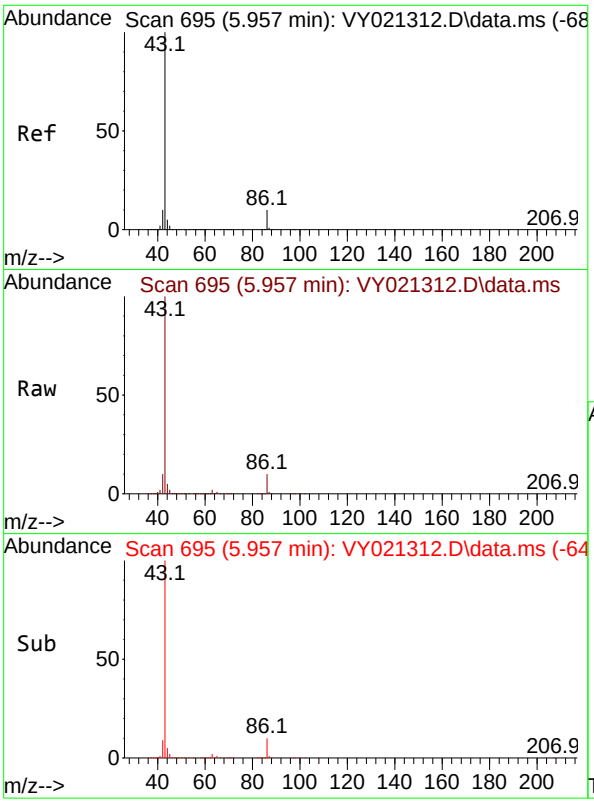


#22
Diisopropyl ether
Concen: 53.126 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 45 Resp: 343920

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.4
87	25.4	20.3	30.5
59	10.9	8.7	13.1

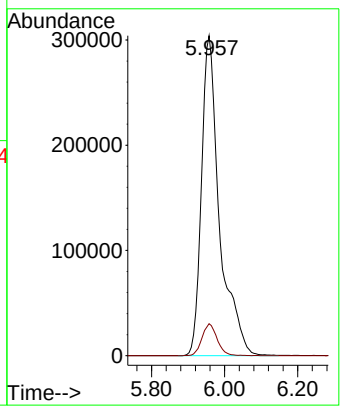




#23
Vinyl Acetate
Concen: 269.294 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 104176

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0



Instrument :
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ClientSampleId :
VSTDICCC050

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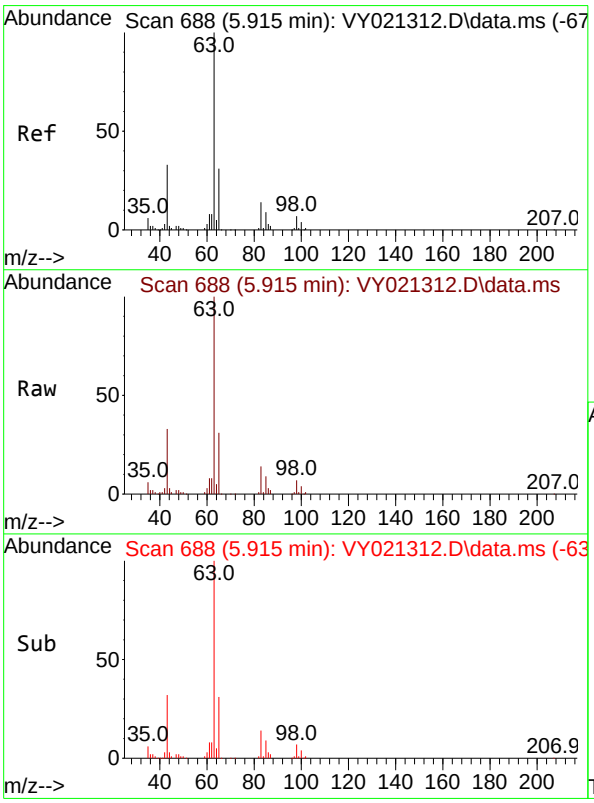
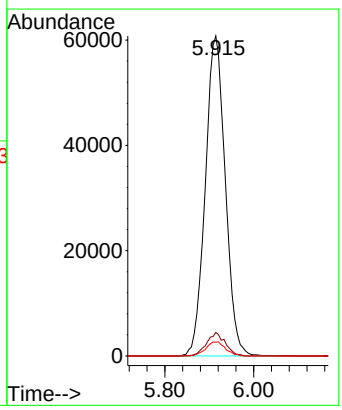
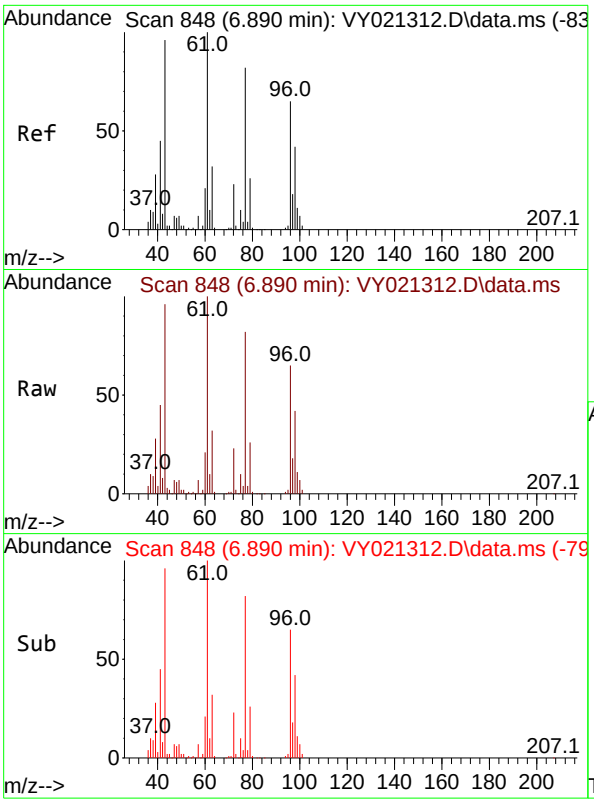


#24
1,1-Dichloroethane
Concen: 52.057 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 189943

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 278.240 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 16024

Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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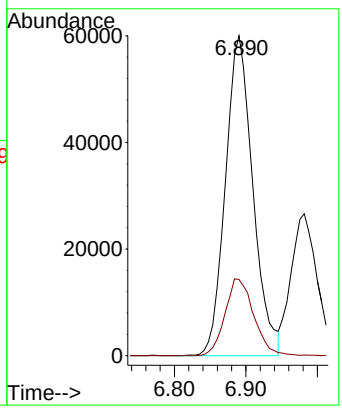
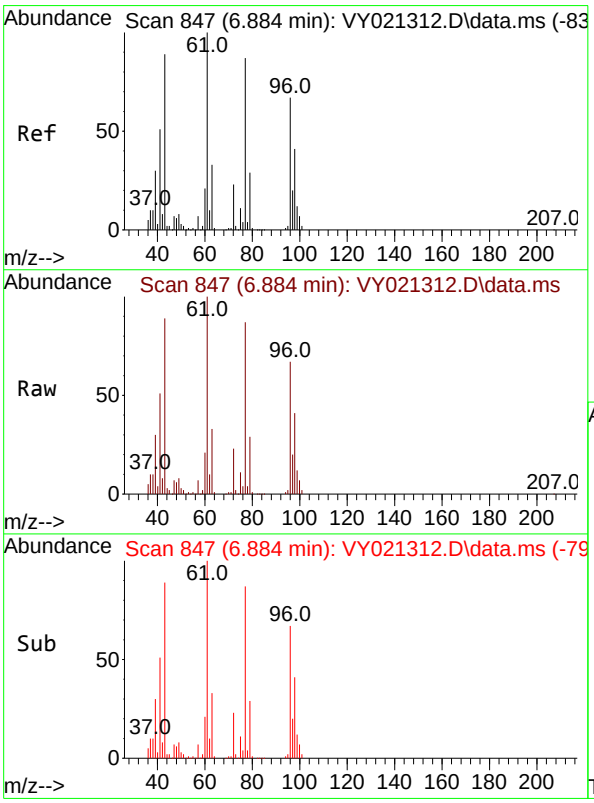
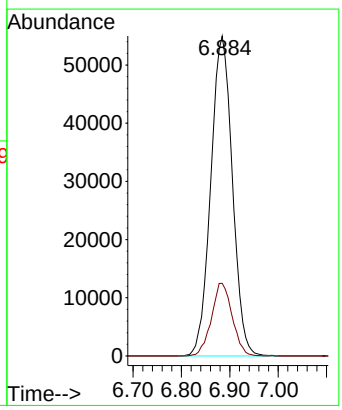


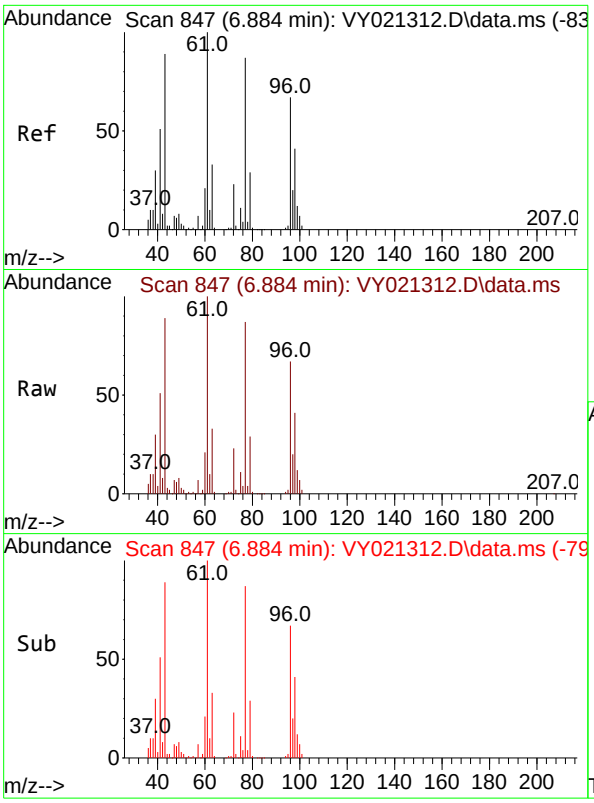


#26
2,2-Dichloropropane
Concen: 51.489 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 77 Resp: 170469

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

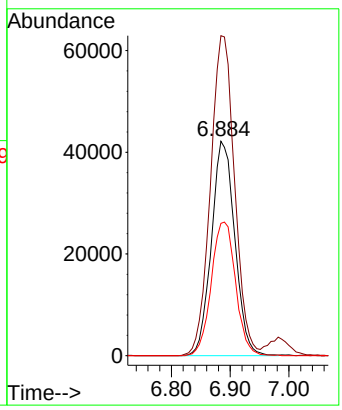




#27
cis-1,2-Dichloroethene
Concen: 52.579 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 11662

Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	308.0
98	64.8	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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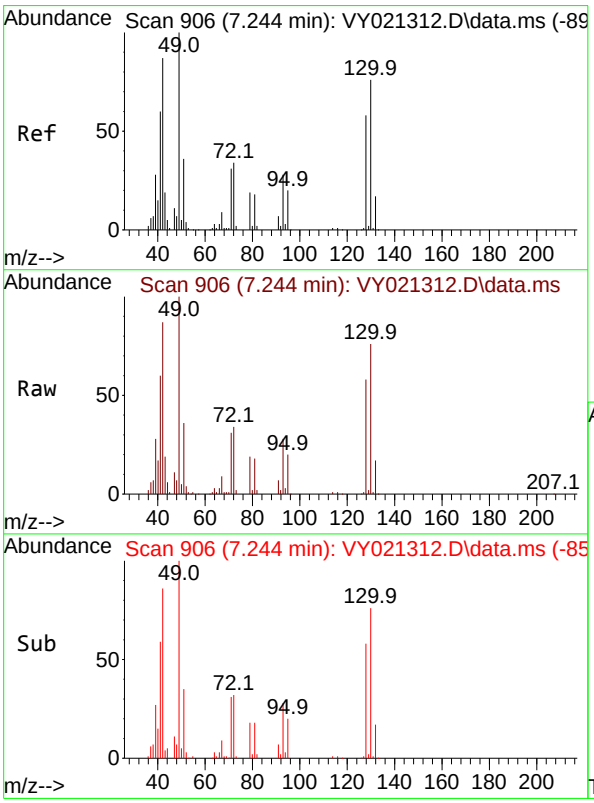
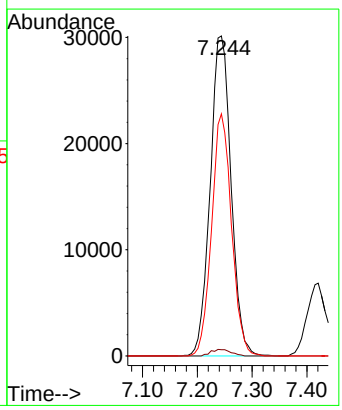
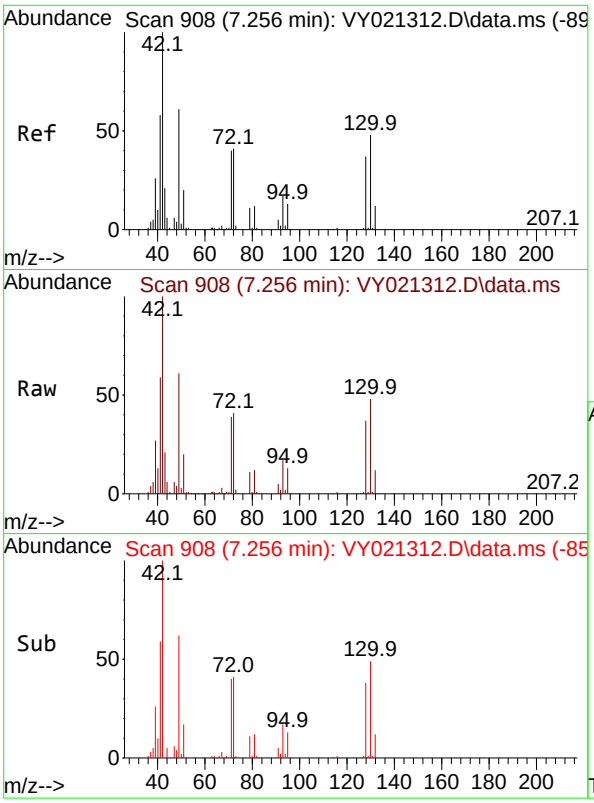


#28
Bromochloromethane
Concen: 49.352 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 49 Resp: 79678

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.2	57.8	86.6

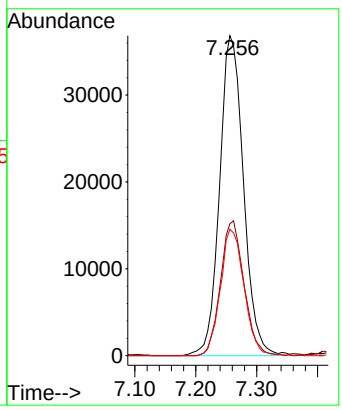




#29
Tetrahydrofuran
Concen: 266.741 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 42 Resp: 10041

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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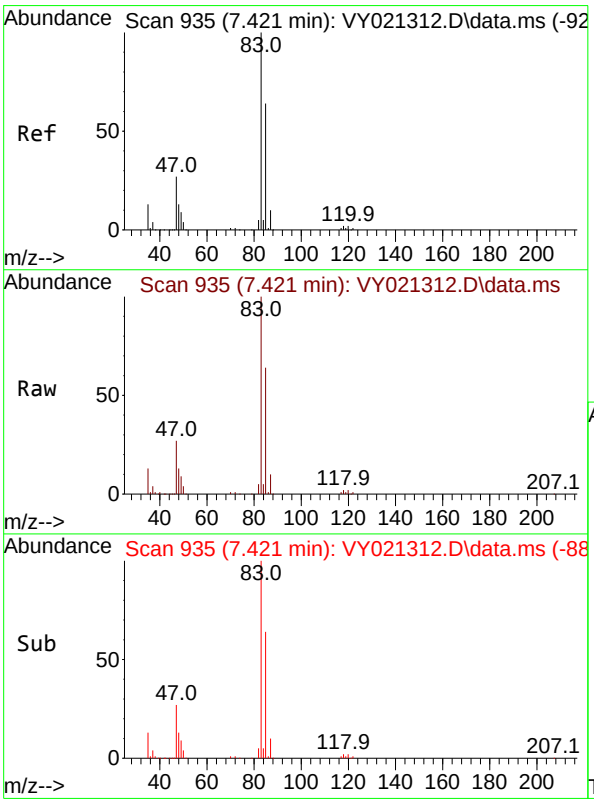
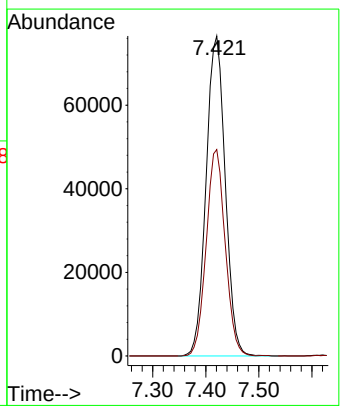
Supervised By :Mahesh Dadoda 02/26/2025

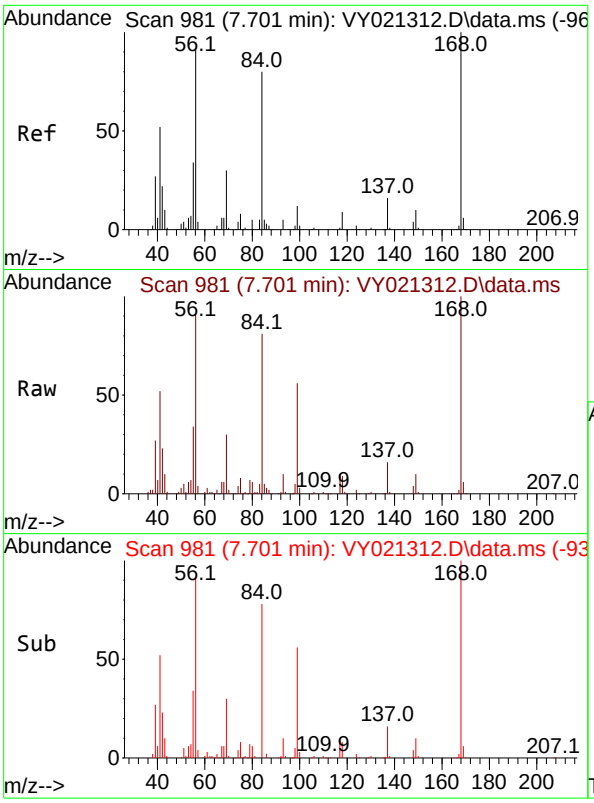


#30
Chloroform
Concen: 51.925 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 191980

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4

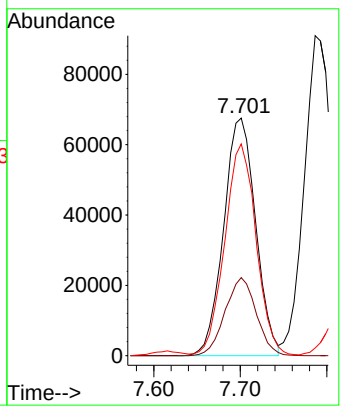




#31
Cyclohexane
Concen: 49.456 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 56 Resp: 17346

Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	87.8	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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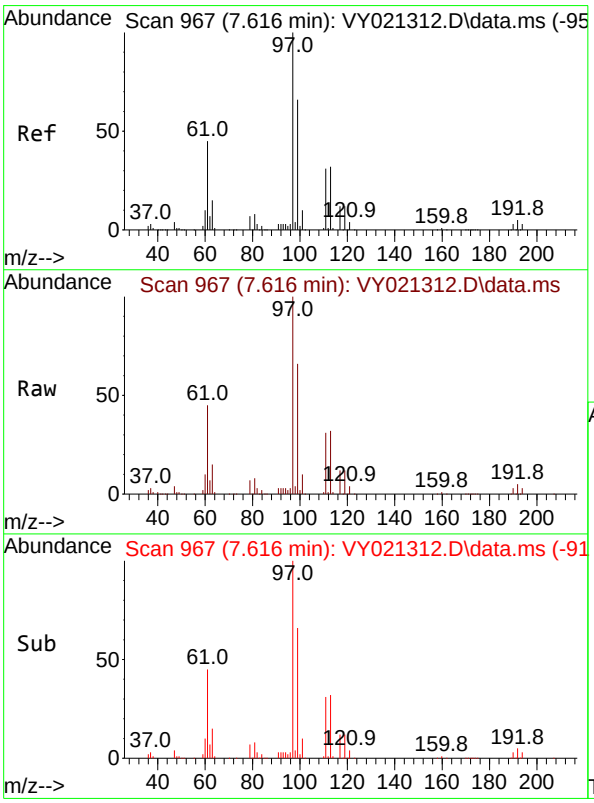
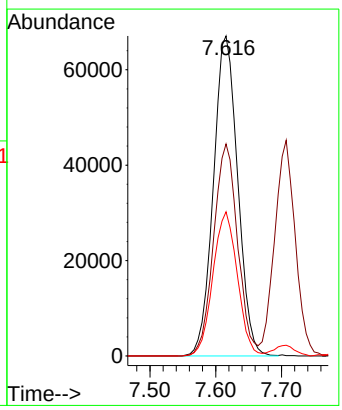
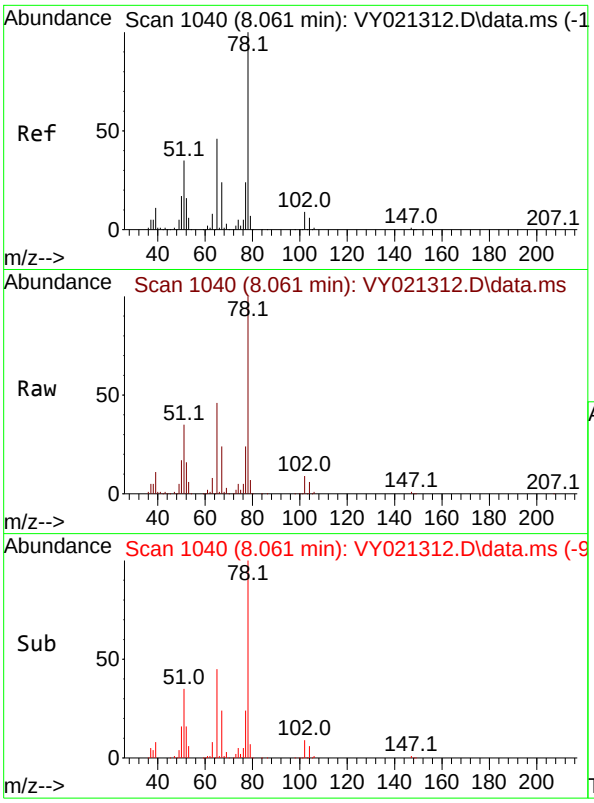


#32
1,1,1-Trichloroethane
Concen: 51.372 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 172880

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	45.2	36.2	54.2

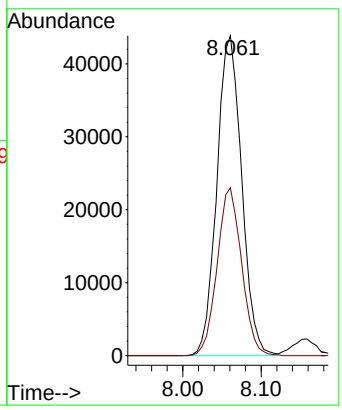




#33
1,2-Dichloroethane-d4
Concen: 48.606 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 65 Resp: 9669

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
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ClientSampleId :
VSTDICCC050

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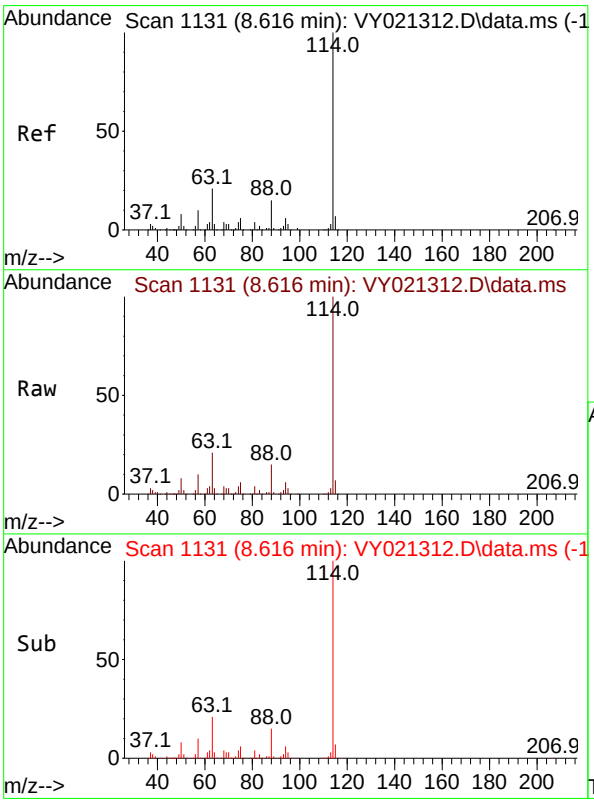
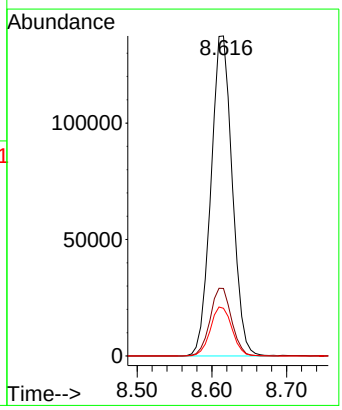
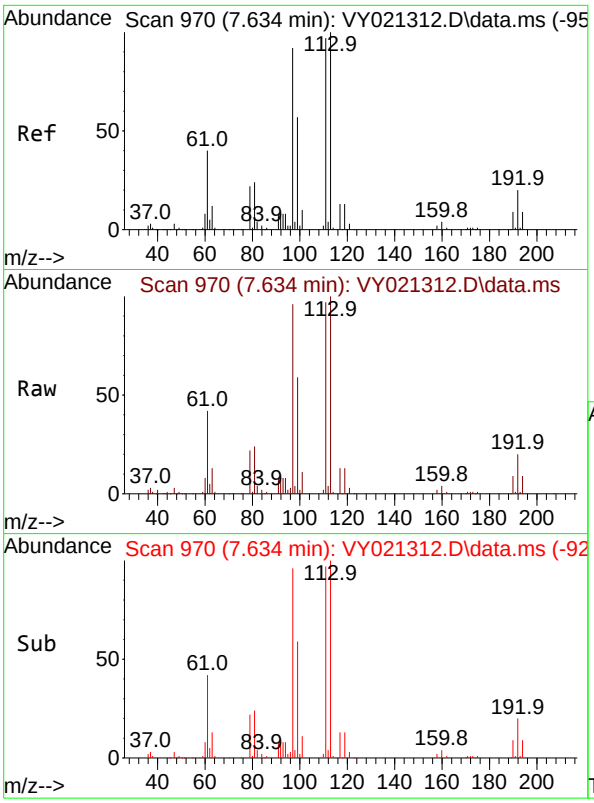


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:114 Resp: 272563

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.2
88	14.9	0.0	29.8

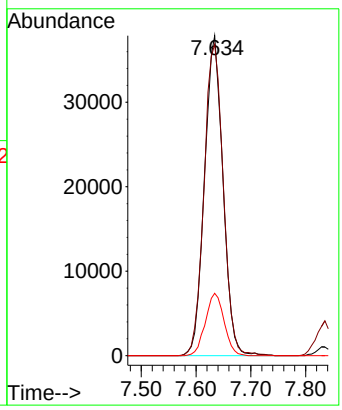




#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:113 Resp: 8851

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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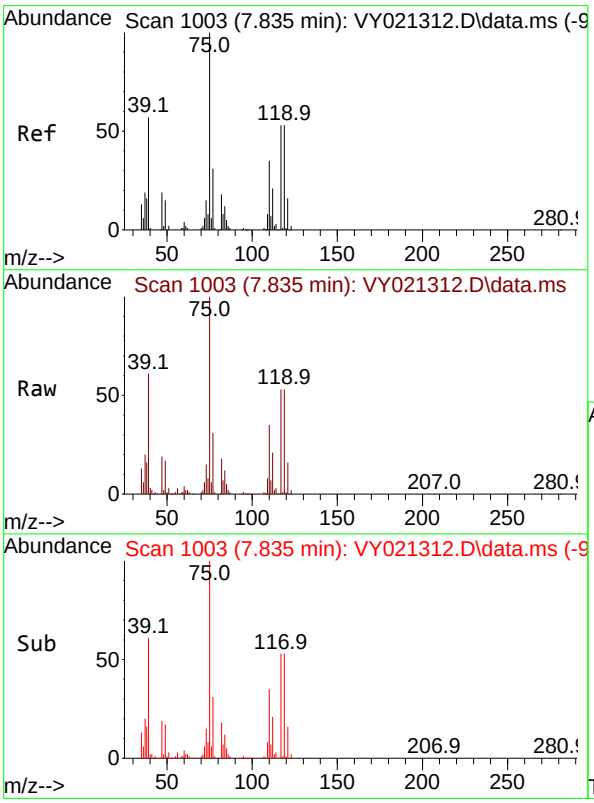
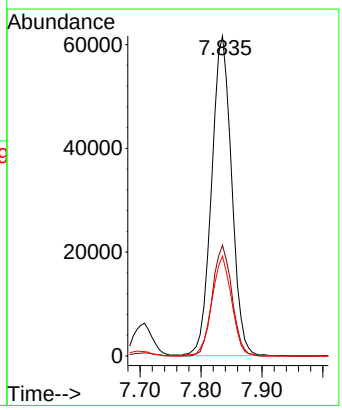
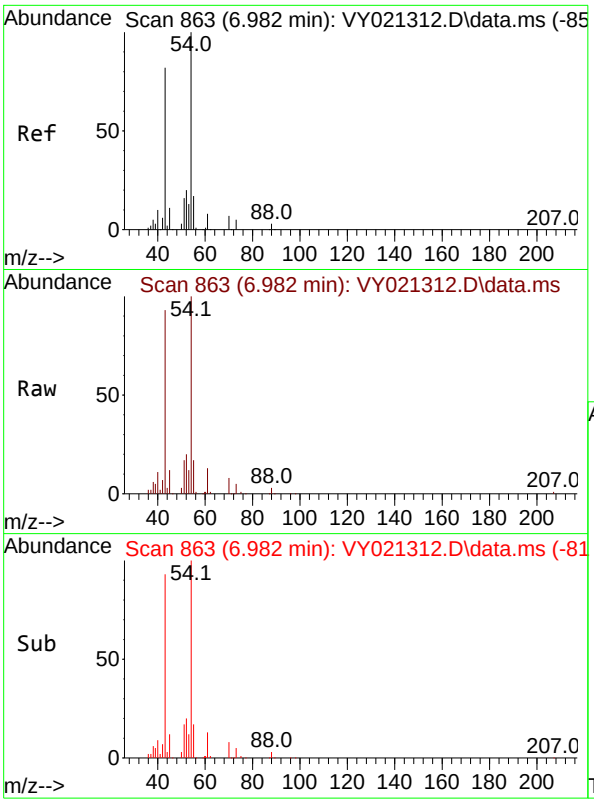


#36
1,1-Dichloropropene
Concen: 52.371 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140574

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.7	24.6	36.8





#37
Ethyl Acetate
Concen: 52.565 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 7018

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.4	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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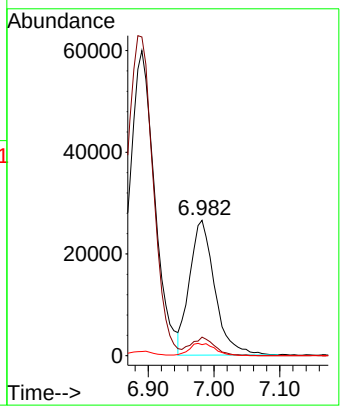
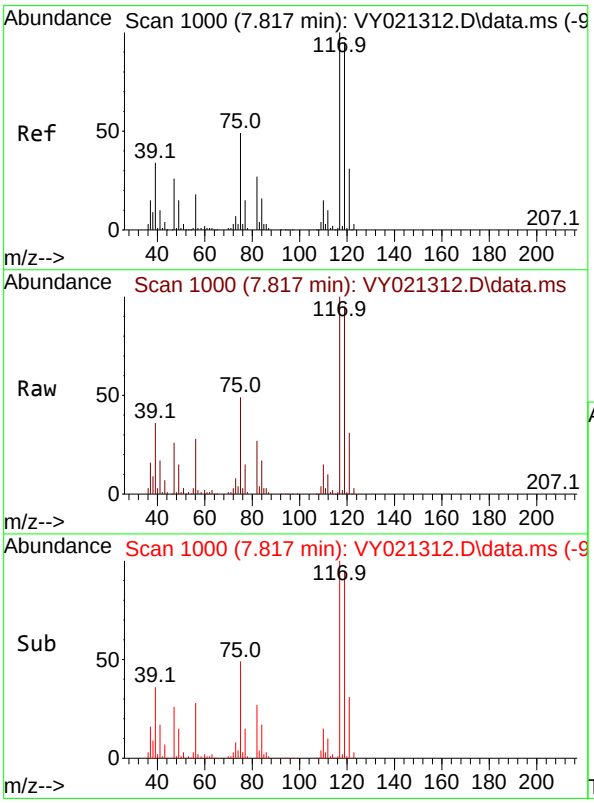
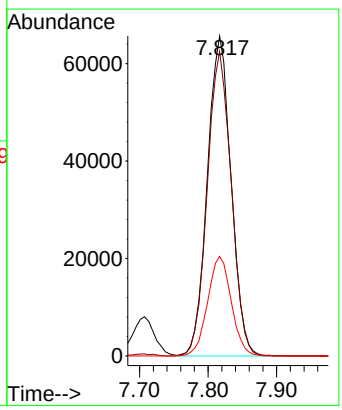


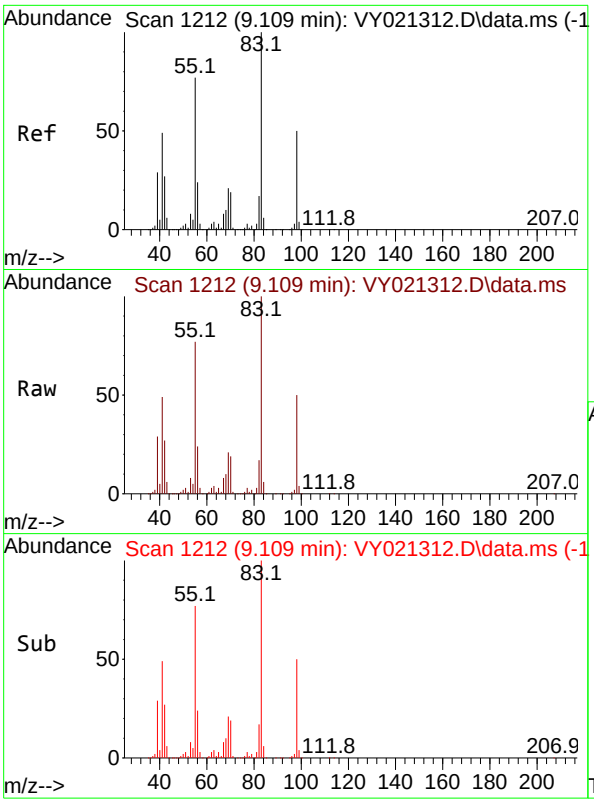


#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 158319

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	31.1	24.9	37.3

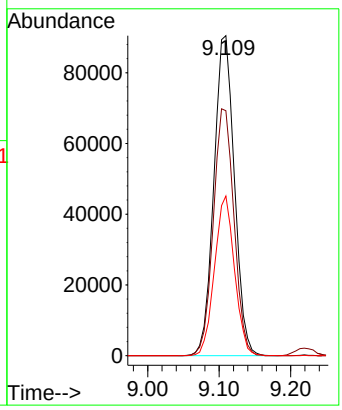




#39
Methylcyclohexane
Concen: 53.165 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 18049

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	49.9	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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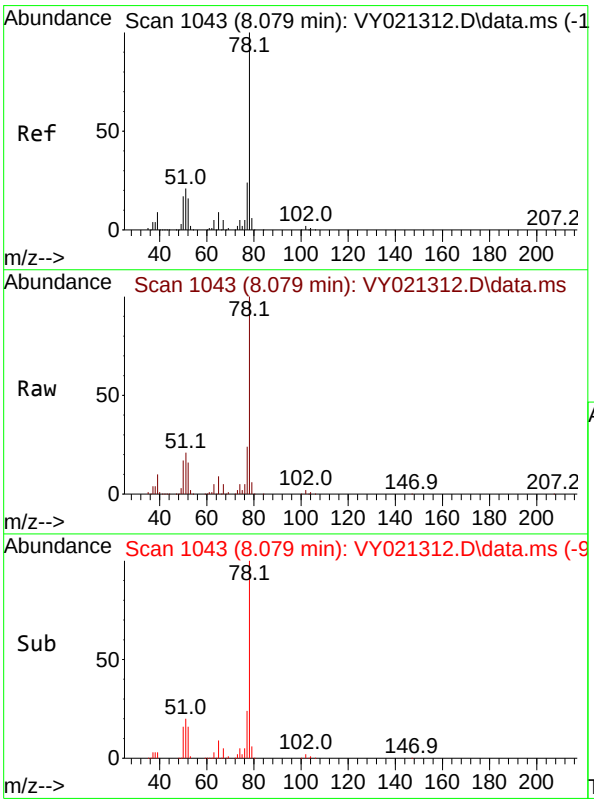
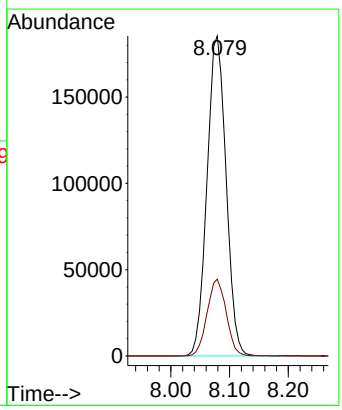
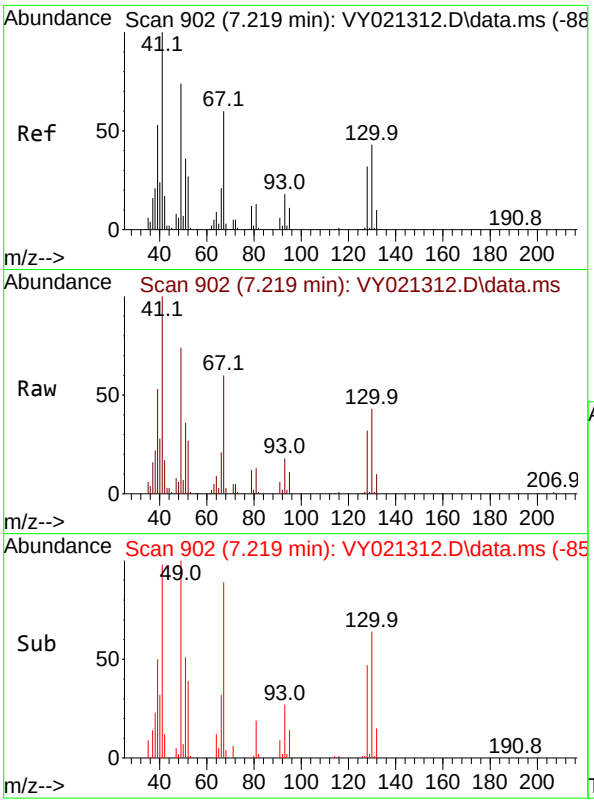


#40
Benzene
Concen: 52.655 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 78 Resp: 417798

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

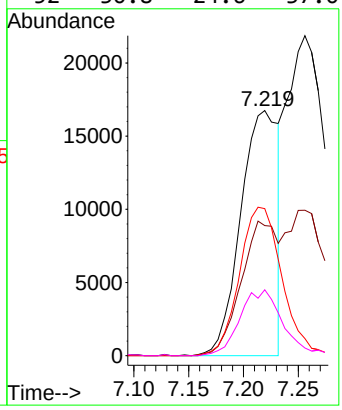




#41
Methacrylonitrile
Concen: 53.535 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 3996

Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.3	63.5
67	68.5	54.8	82.2
52	30.8	24.6	37.0



Instrument :
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ClientSampleId :
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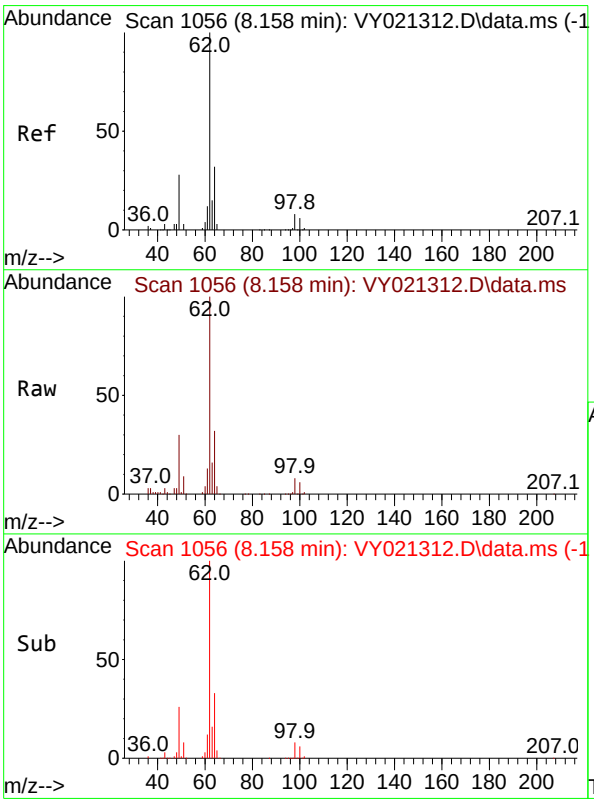
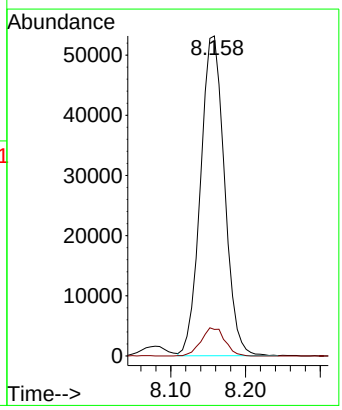
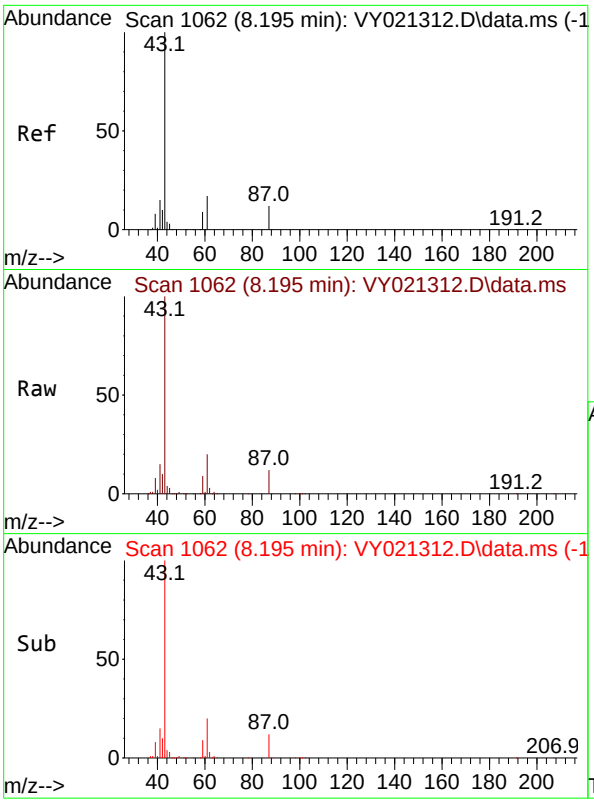


#42
1,2-Dichloroethane
Concen: 52.494 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 118176

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6

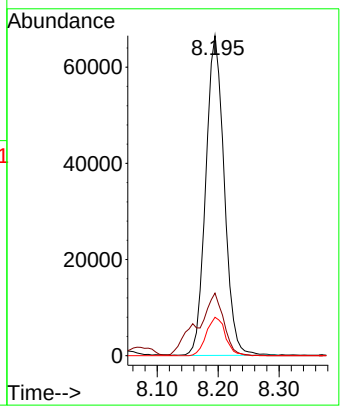




#43
Isopropyl Acetate
Concen: 54.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 13982

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.6
87	12.5	10.0	15.0



Instrument :
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ClientSampleId :
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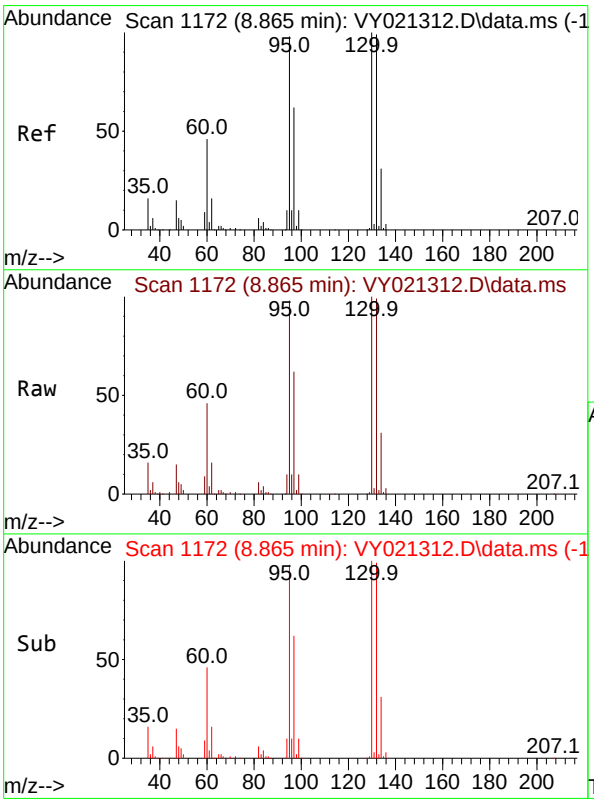
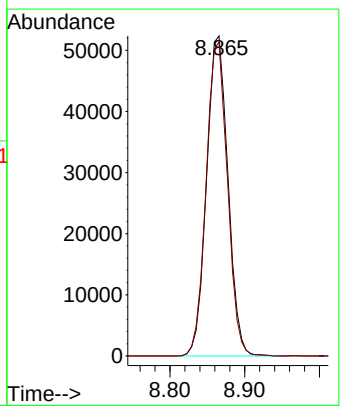
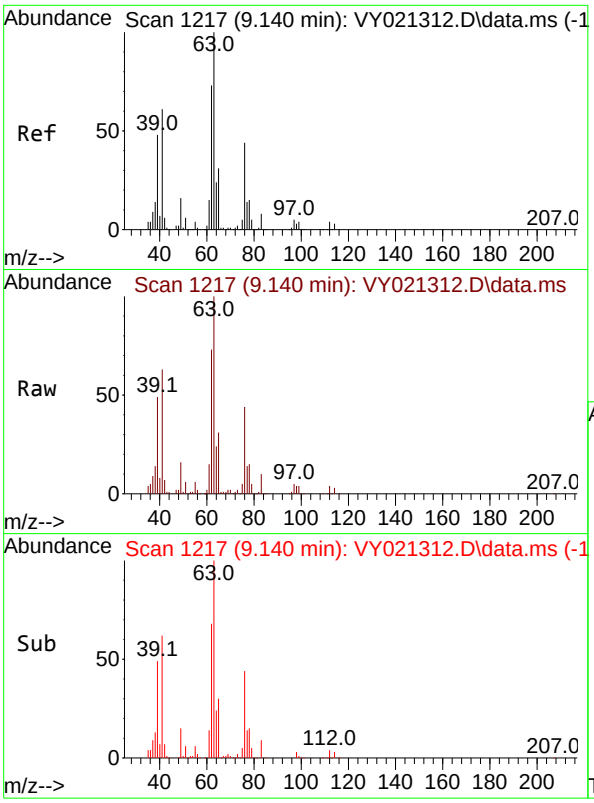


#44
Trichloroethene
Concen: 52.389 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:130 Resp: 104074

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.0

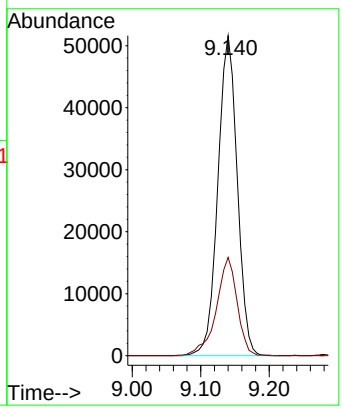




#45
1,2-Dichloropropane
Concen: 52.980 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 10116

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8



Instrument :
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ClientSampleId :
VSTDICCC050

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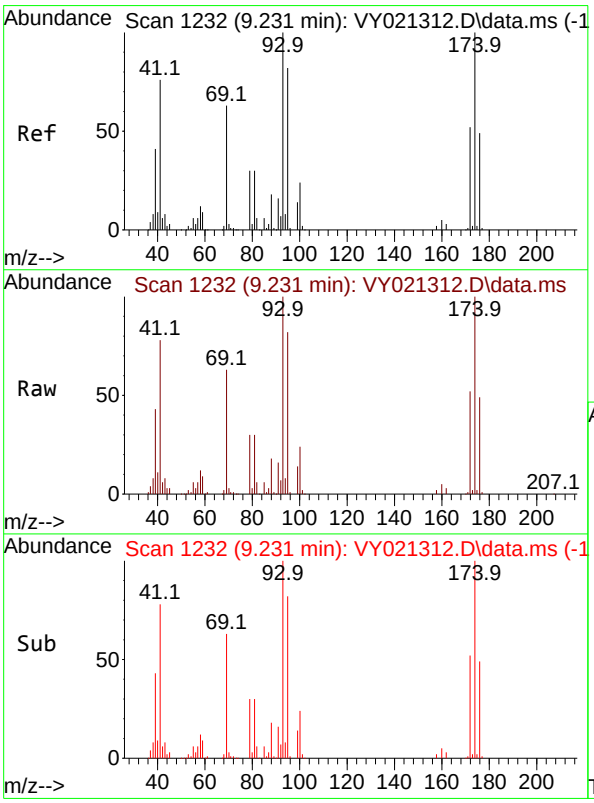
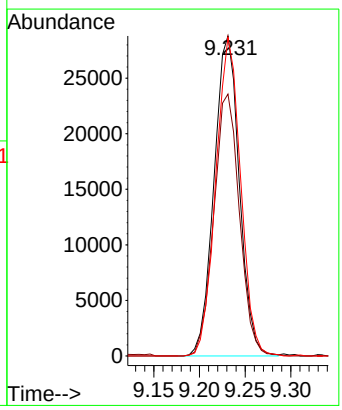
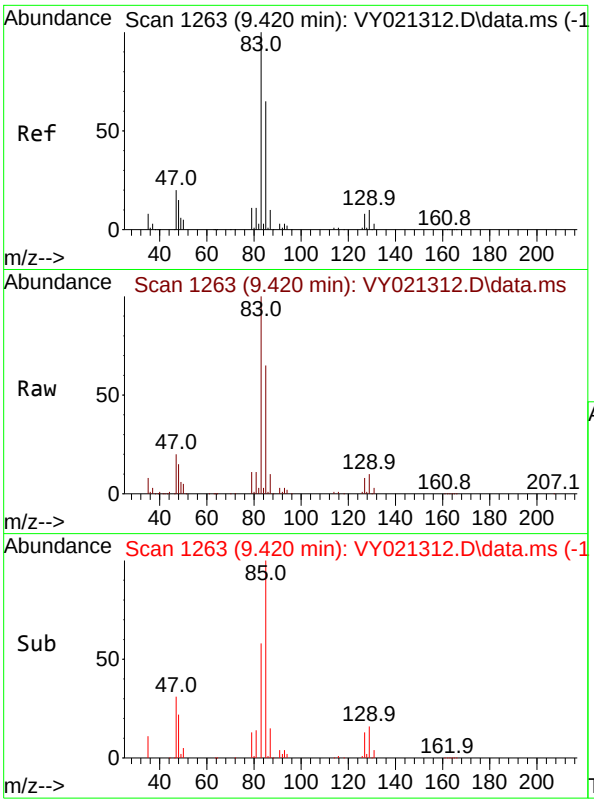


#46
Dibromomethane
Concen: 53.043 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 93 Resp: 55365

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	97.7	78.2	117.2

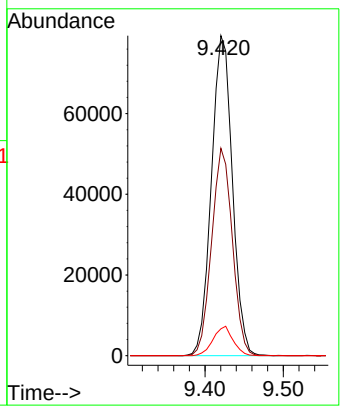




#47
Bromodichloromethane
Concen: 52.957 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 14738

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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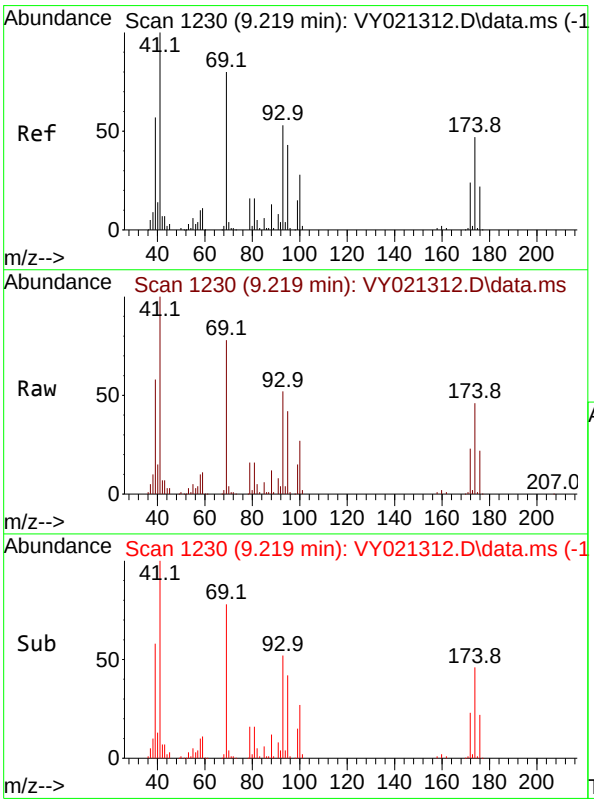
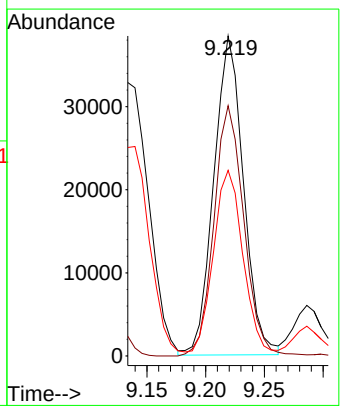
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

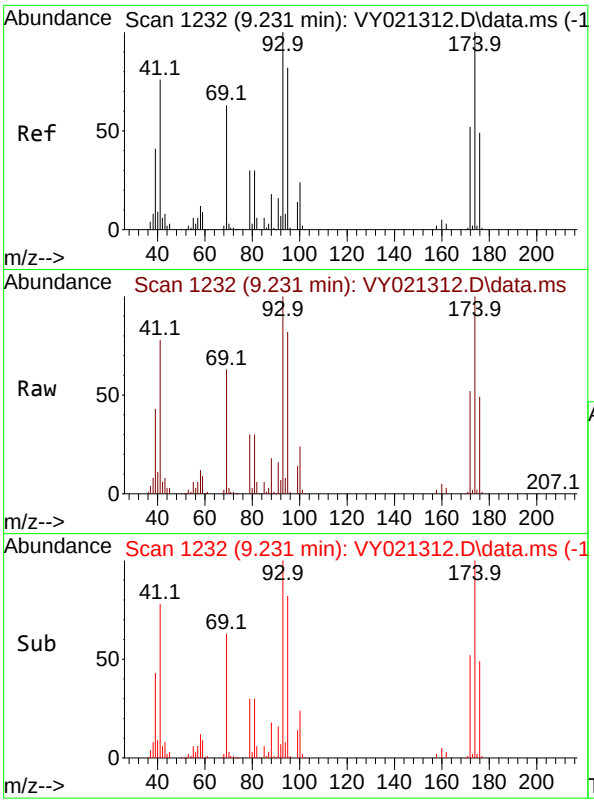


#48
Methyl methacrylate
Concen: 55.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 67406

Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.3	94.9
39	56.3	45.0	67.6





#49
1,4-Dioxane
Concen: 1050.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 88 Resp: 1219

Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.8	52.2
58	74.7	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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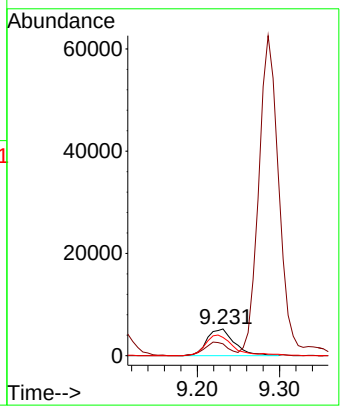
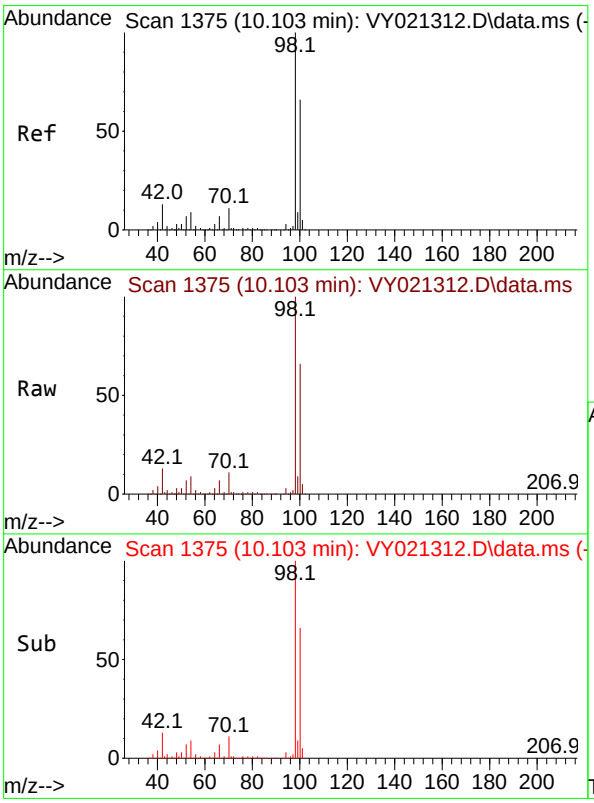
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

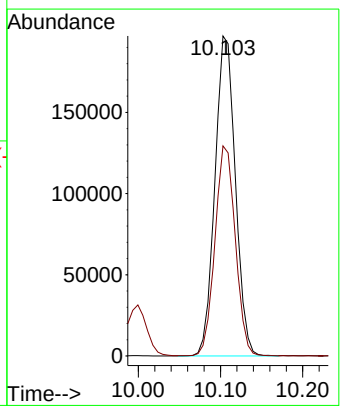


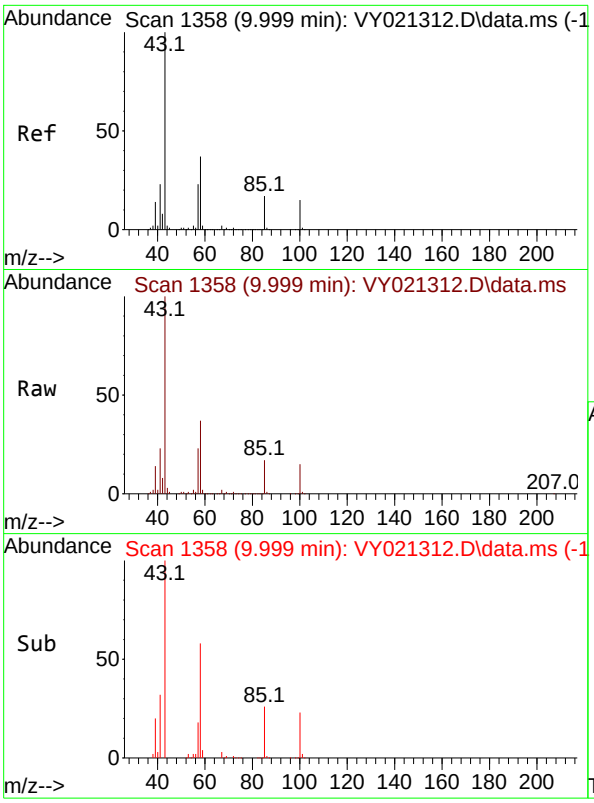


#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 98 Resp: 340929

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6

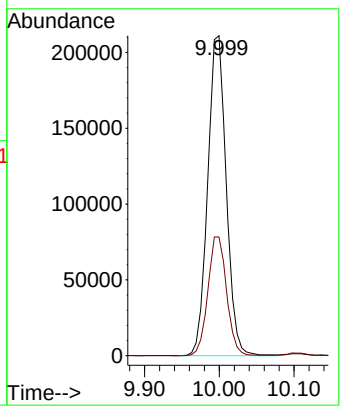




#51
4-Methyl-2-Pentanone
Concen: 275.485 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 36444

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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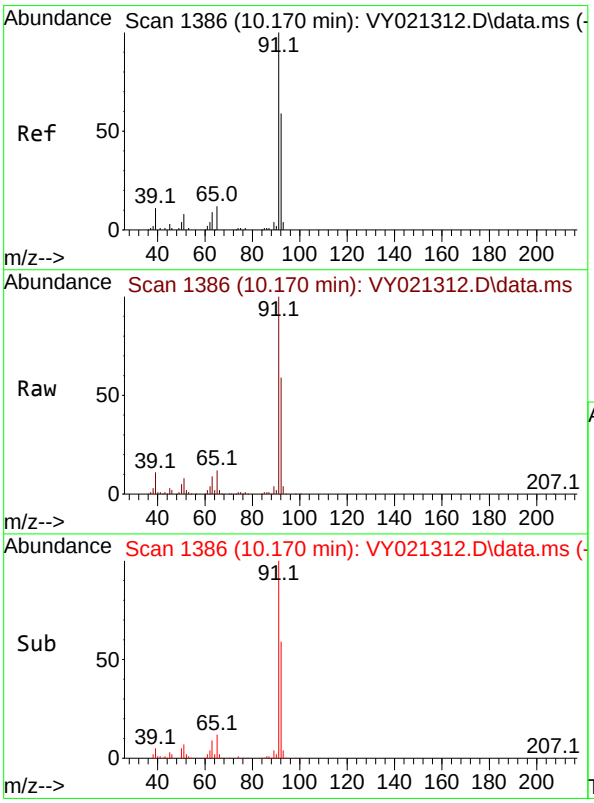
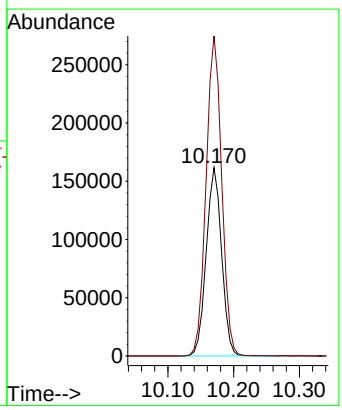
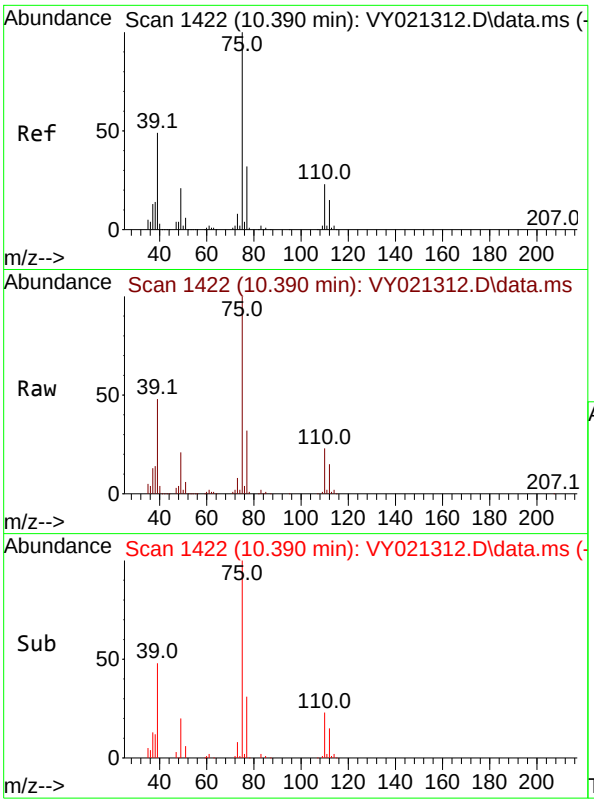


#52
Toluene
Concen: 53.367 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 92 Resp: 263062

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8

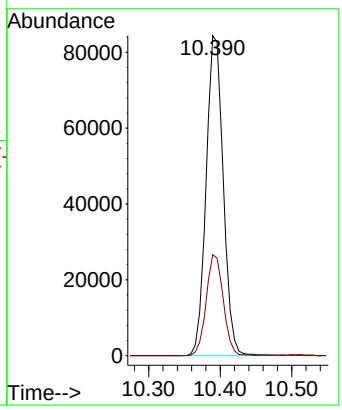




#53
t-1,3-Dichloropropene
Concen: 55.062 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 14039

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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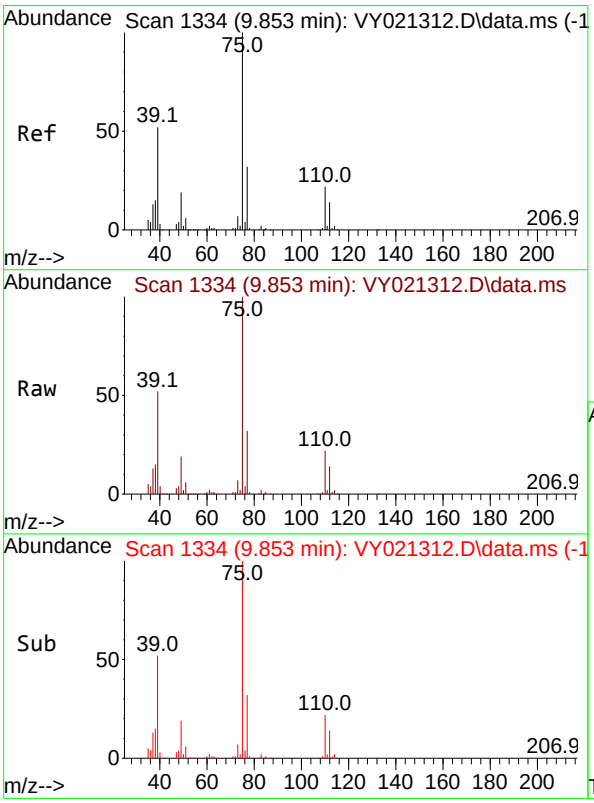
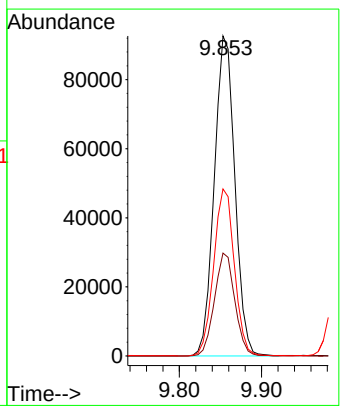
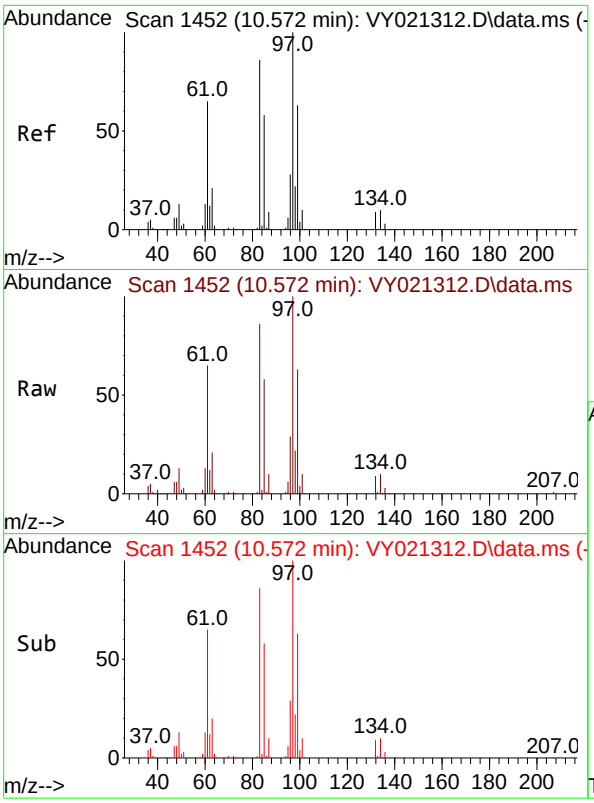


#54
cis-1,3-Dichloropropene
Concen: 53.492 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 161021

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	52.2	41.8	62.6

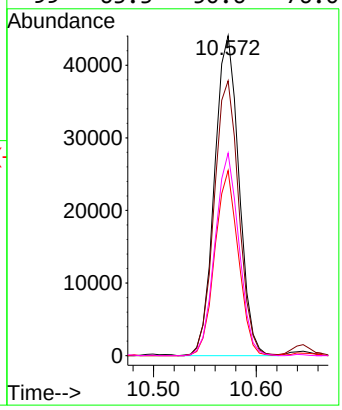




#55
1,1,2-Trichloroethane
Concen: 53.481 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 7272

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	57.9	46.3	69.5
99	63.3	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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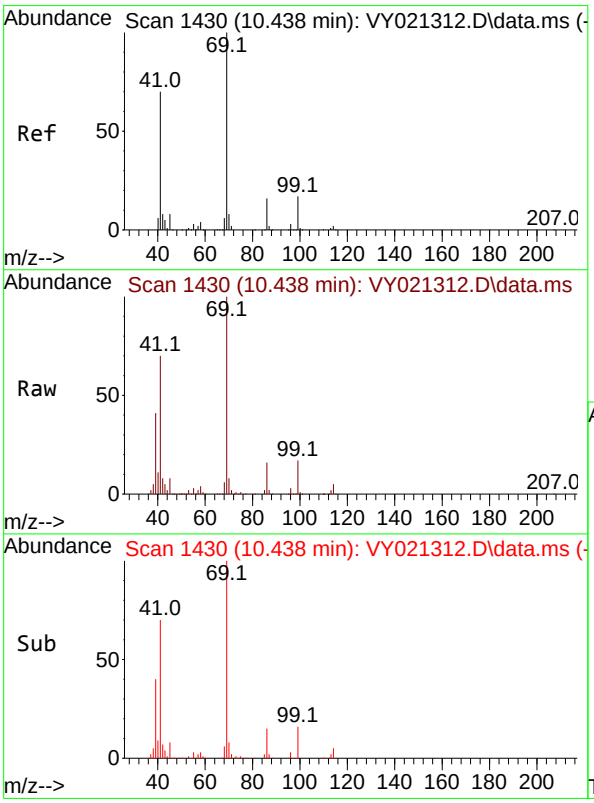
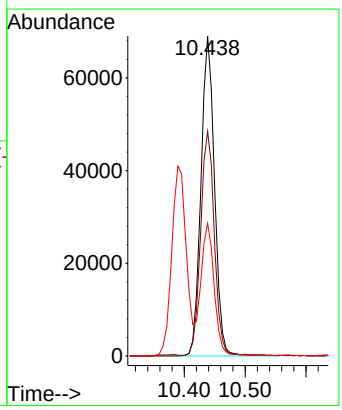
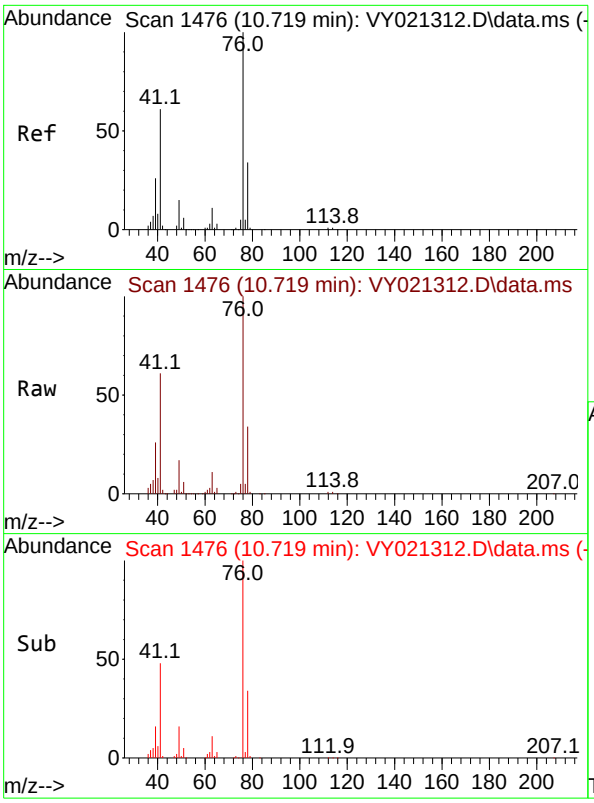


#56
Ethyl methacrylate
Concen: 56.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 69 Resp: 106914

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.9	32.7	49.1

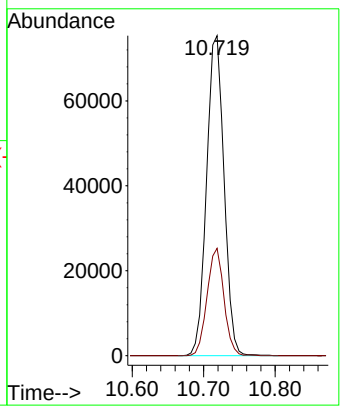




#57
1,3-Dichloropropane
Concen: 53.559 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 12779

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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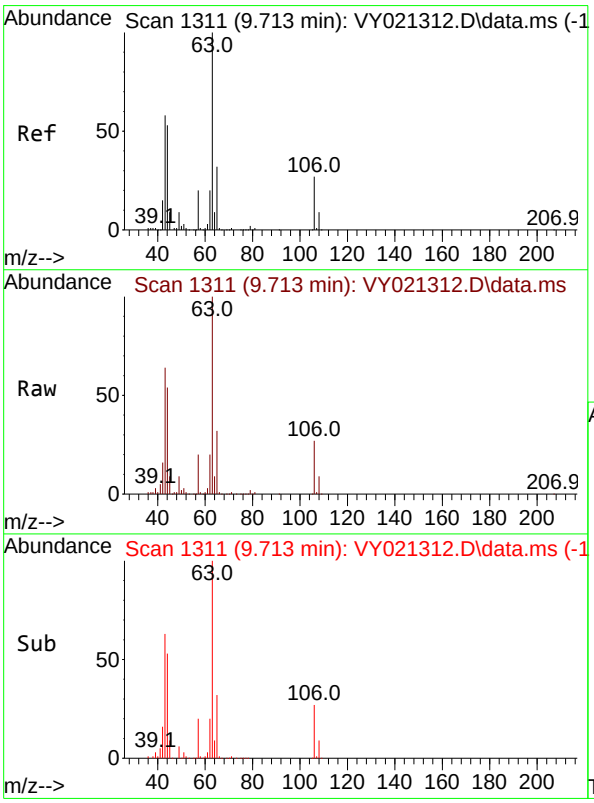
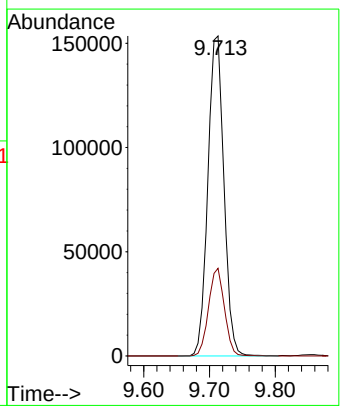
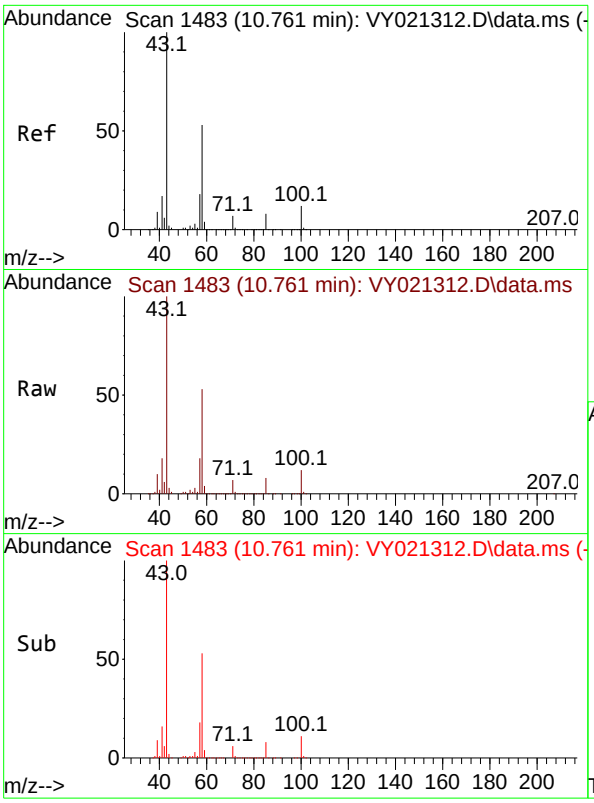


#58
2-Chloroethyl Vinyl ether
Concen: 289.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 260718

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





#59
2-Hexanone
Concen: 287.258 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 24957

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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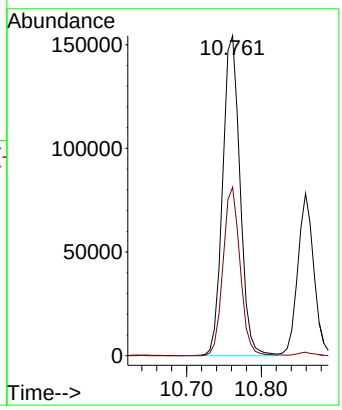
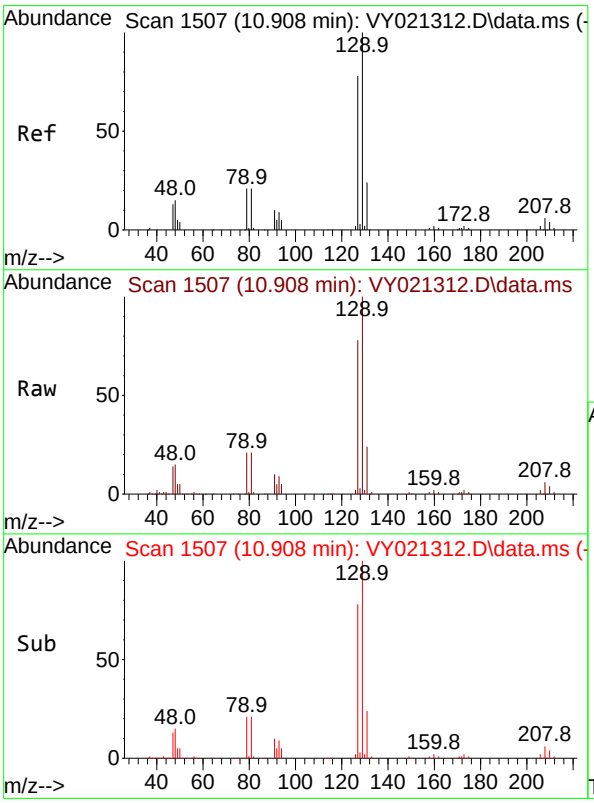
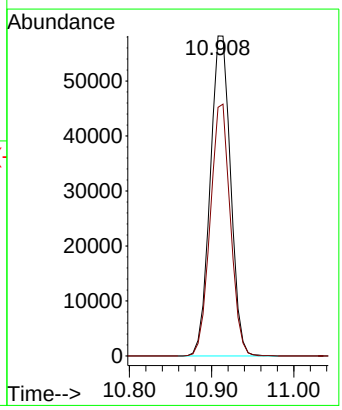


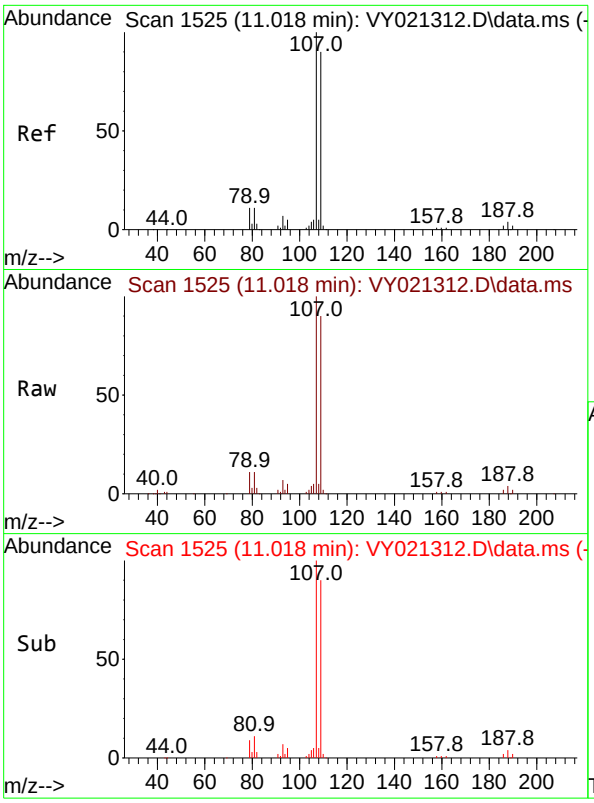


#60
Dibromochloromethane
Concen: 54.134 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:129 Resp: 100250

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

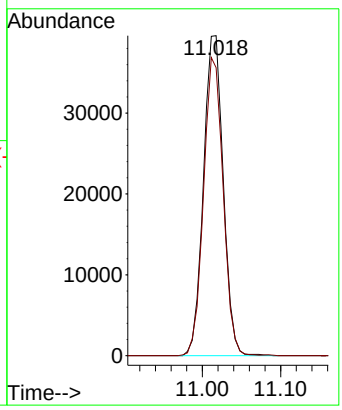




#61
1,2-Dibromoethane
Concen: 53.783 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:107 Resp: 6923

Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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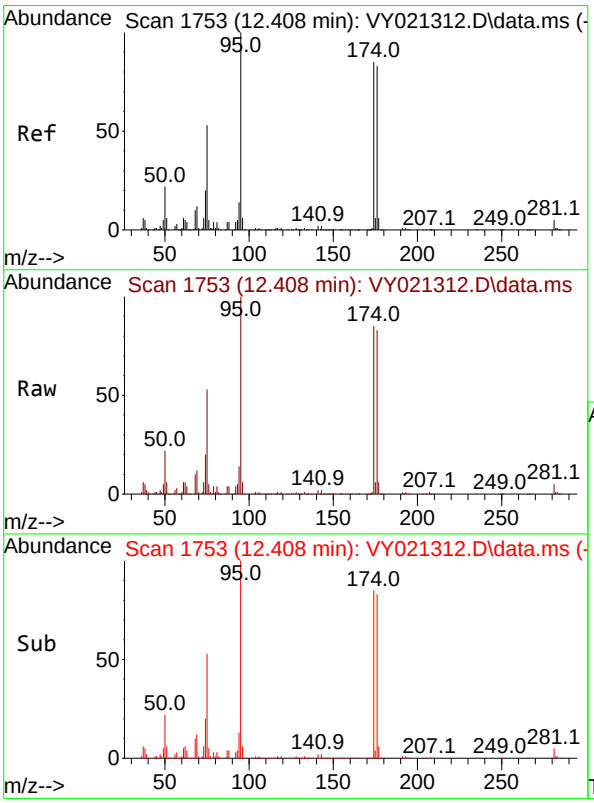
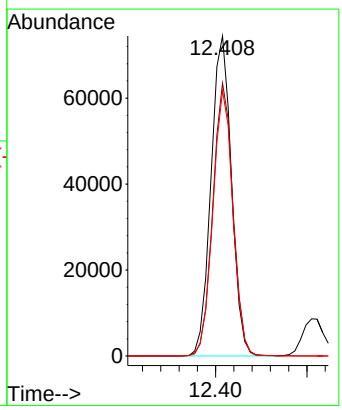
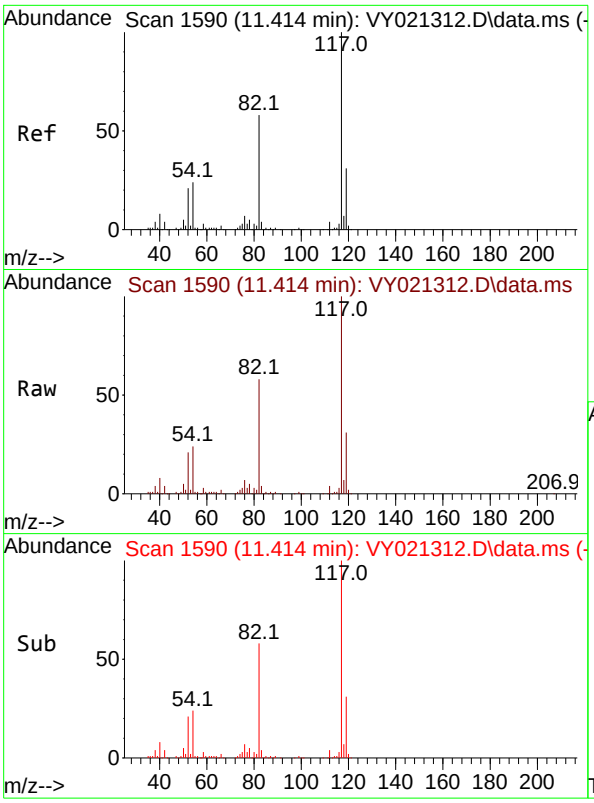


#62
4-Bromofluorobenzene
Concen: 49.652 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 95 Resp: 115401

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	168.0
176	81.3	0.0	162.6

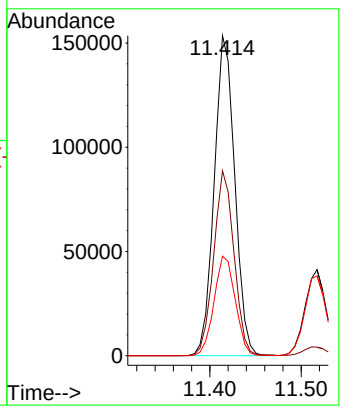




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 23972

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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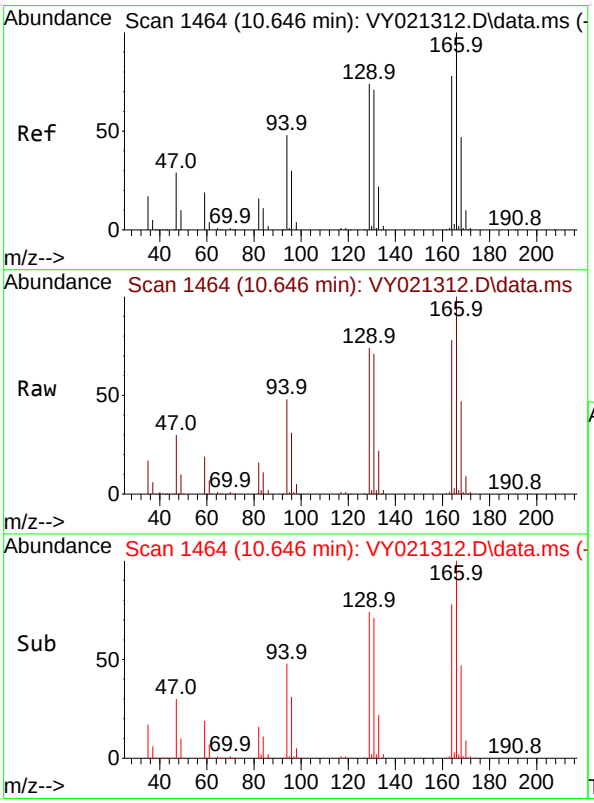
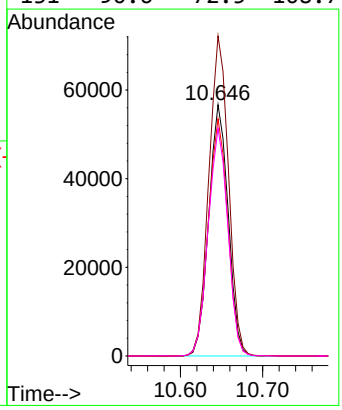
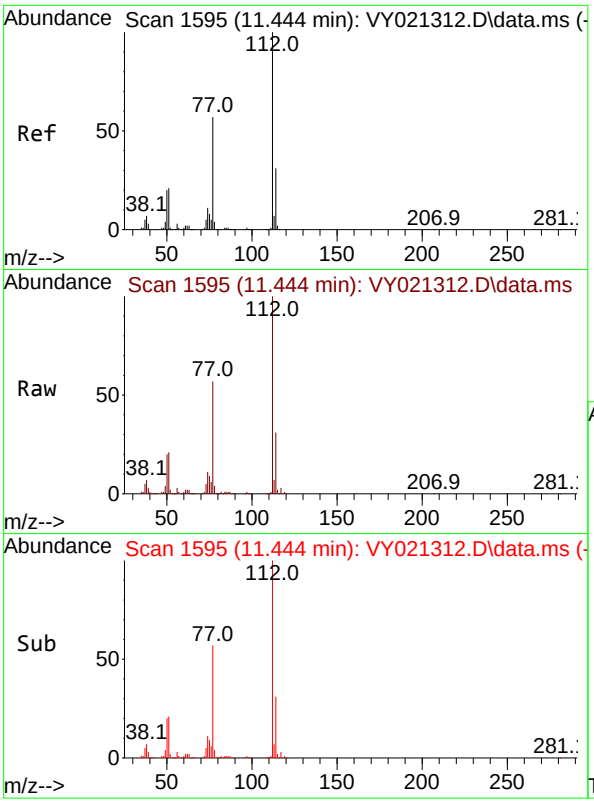


#64
Tetrachloroethene
Concen: 51.501 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:164 Resp: 93317

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	94.4	75.5	113.3
131	90.6	72.5	108.7

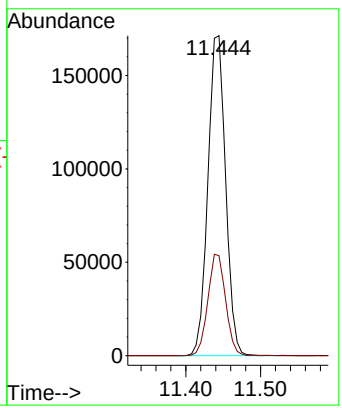




#65
Chlorobenzene
Concen: 52.390 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:112 Resp: 28191

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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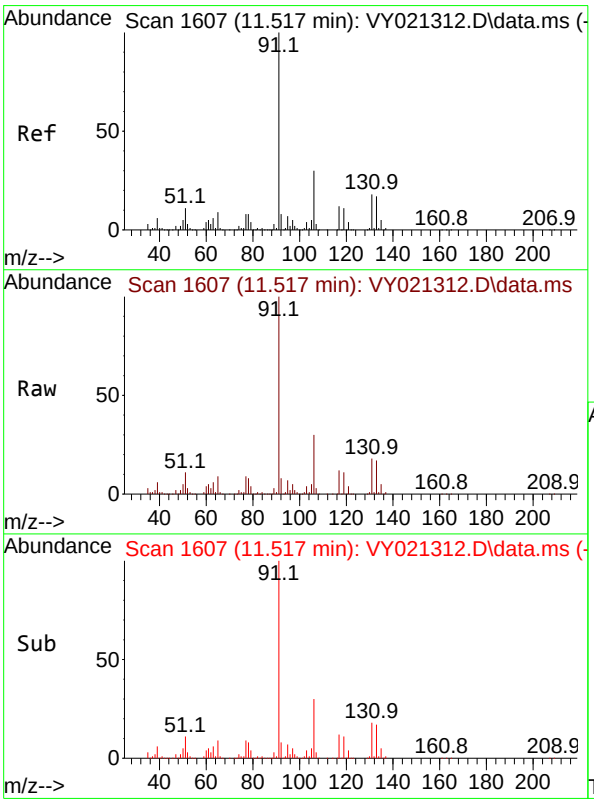
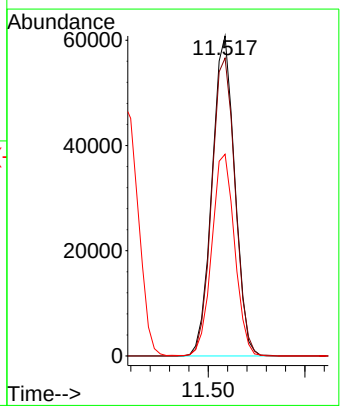
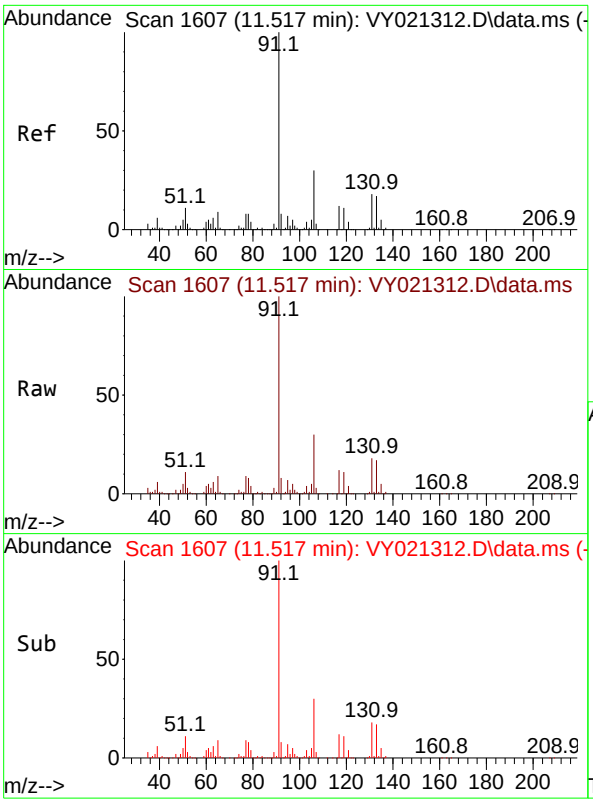


#66
1,1,1,2-Tetrachloroethane
Concen: 52.611 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:131 Resp: 99131

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	63.4	31.7	95.1

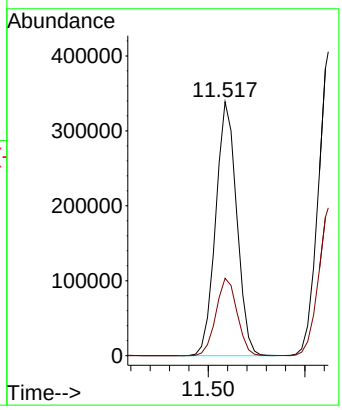




#67
Ethyl Benzene
Concen: 53.573 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 51063

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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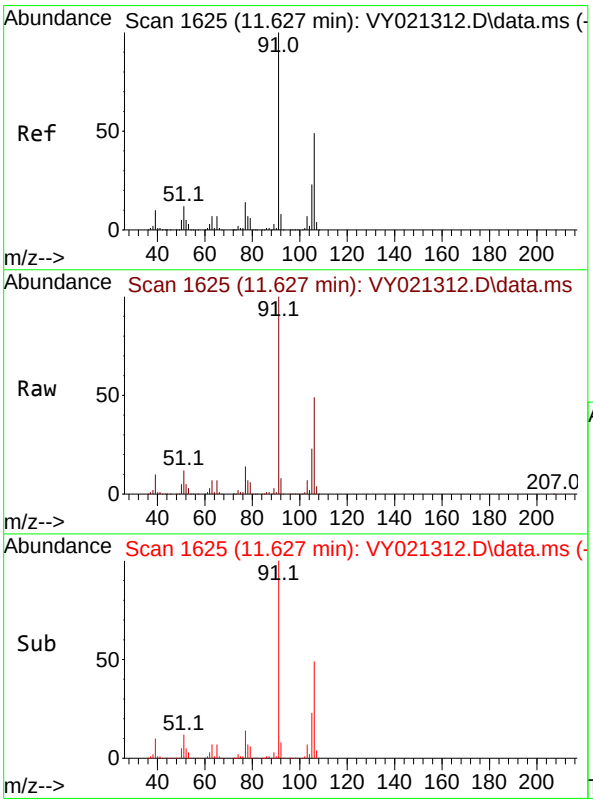
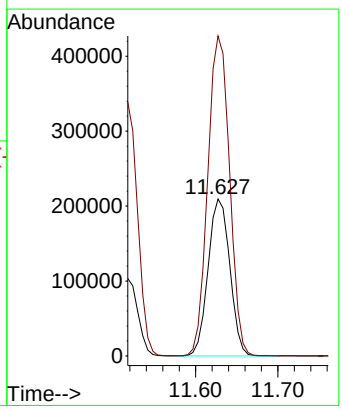
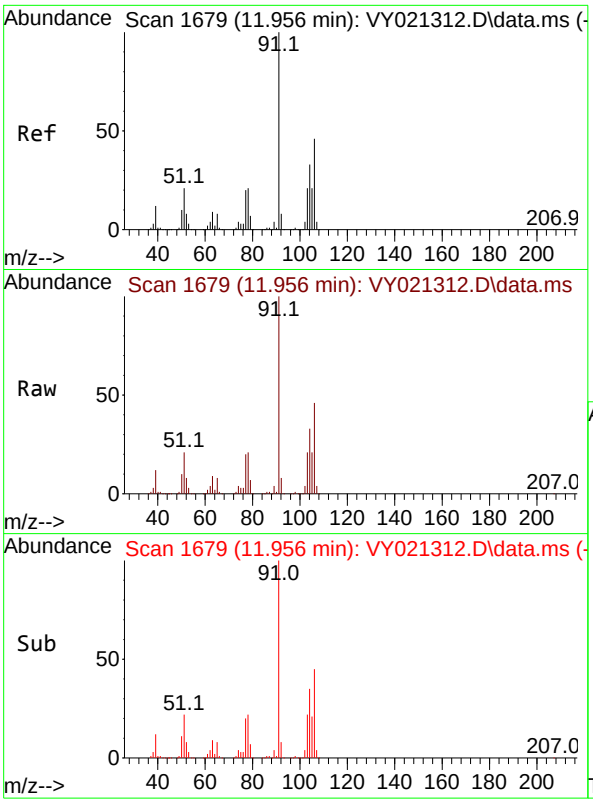


#68
m/p-Xylenes
Concen: 107.204 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 384346

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9

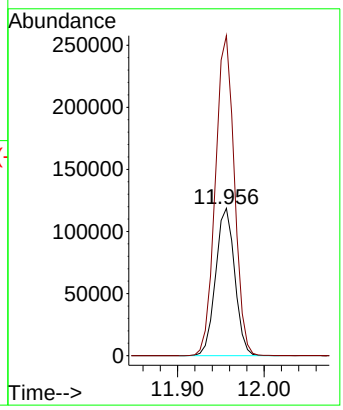




#69
o-Xylene
Concen: 54.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 18172

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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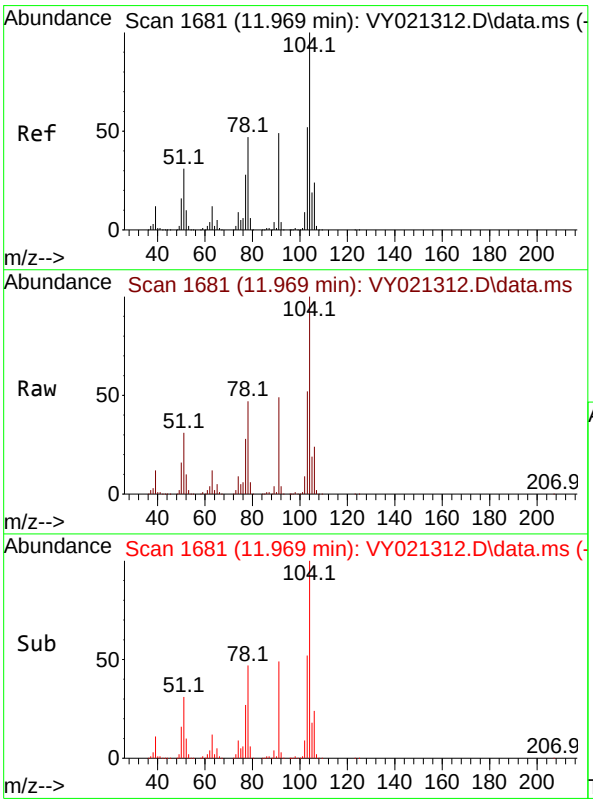
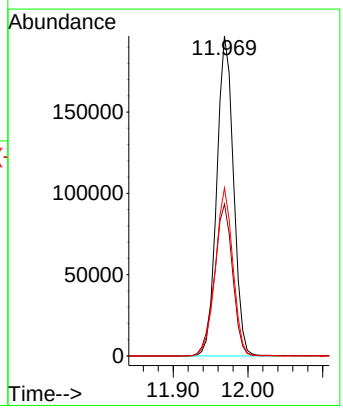
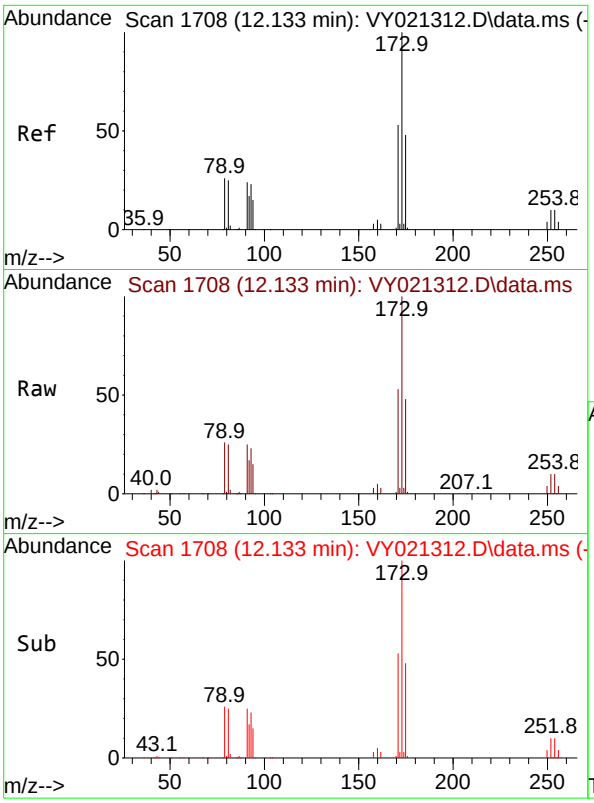


#70
Styrene
Concen: 54.760 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:104 Resp: 306007

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	54.9	43.9	65.9

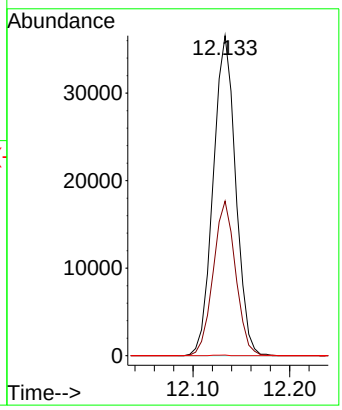




#71
Bromoform
Concen: 54.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:173 Resp: 5886

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.1	0.1	0.1



Instrument :
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ClientSampleId :
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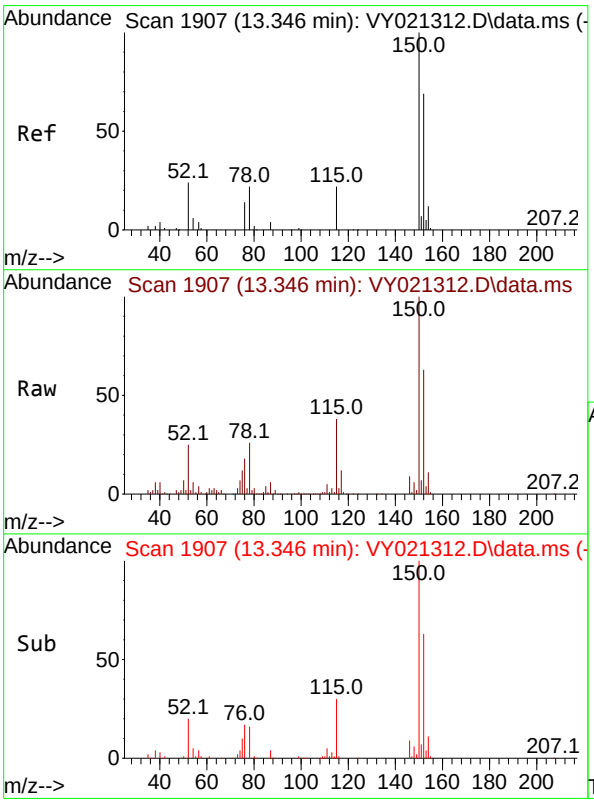
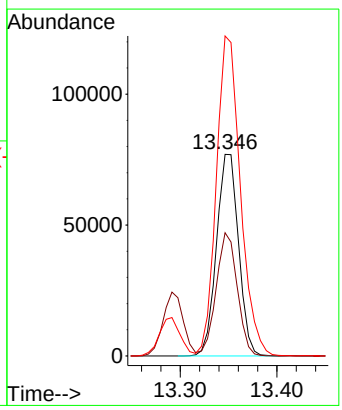
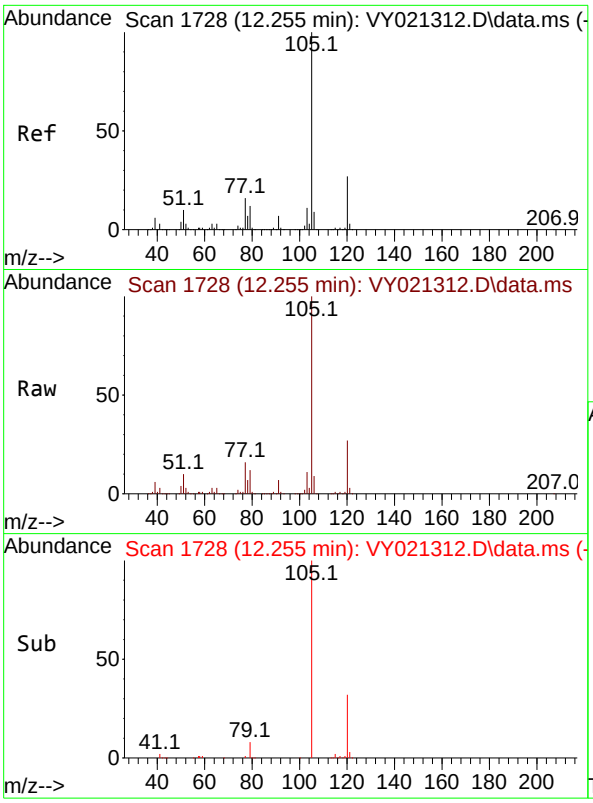


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:152 Resp: 121718

Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	173.7	0.0	347.4

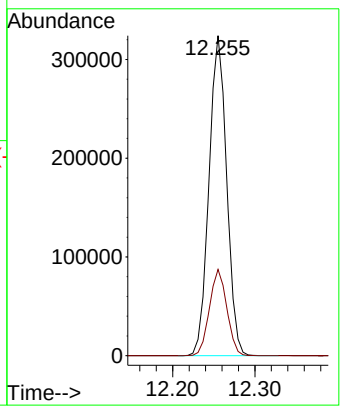




#73
Isopropylbenzene
Concen: 52.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 48393

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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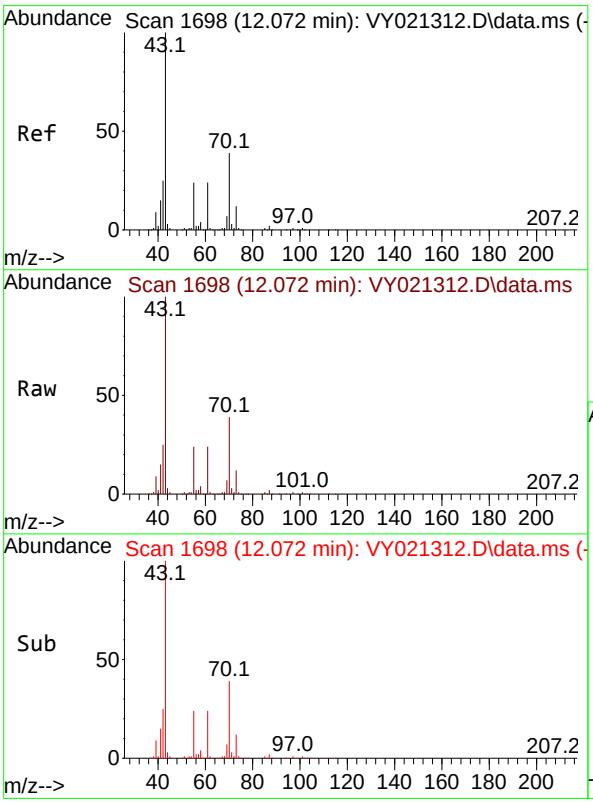
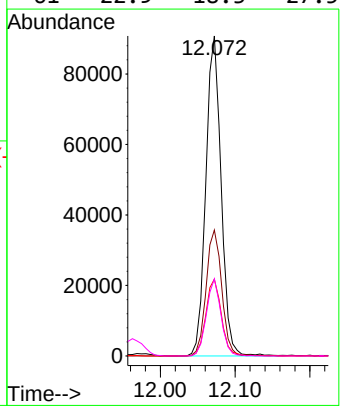
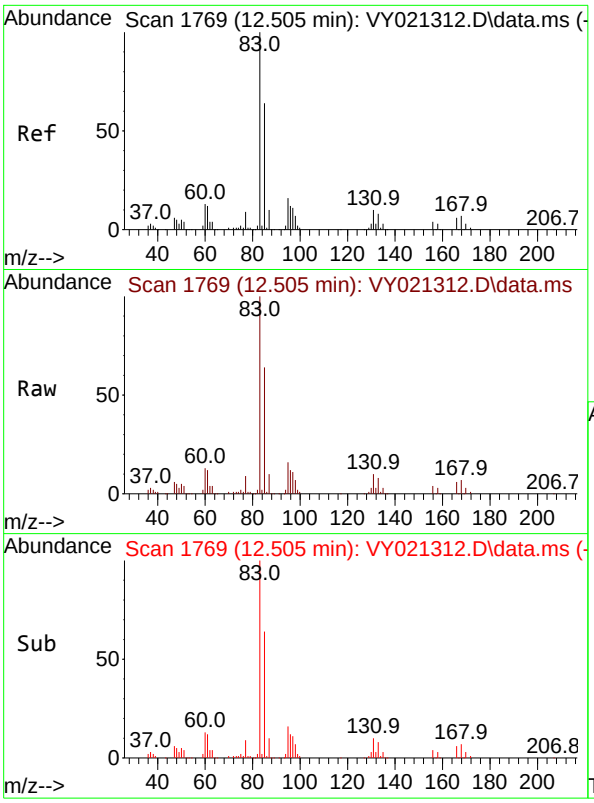


#74
N-amyl acetate
Concen: 55.471 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 129020

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.5	19.6	29.4
61	22.9	18.3	27.5

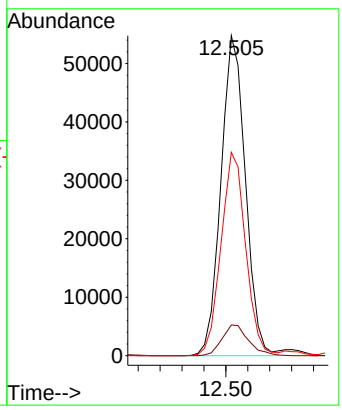




#75
1,1,2,2-Tetrachloroethane
Concen: 52.566 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 8489

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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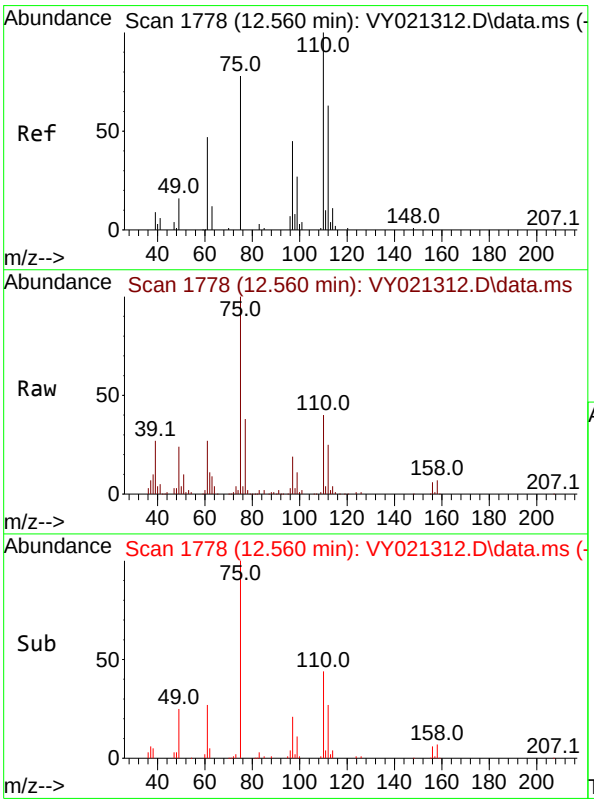
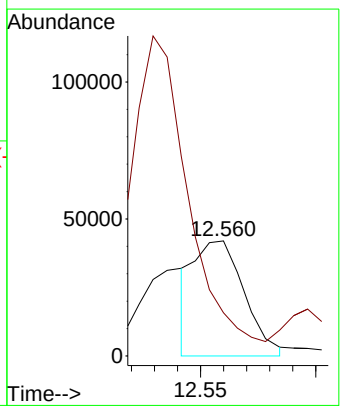
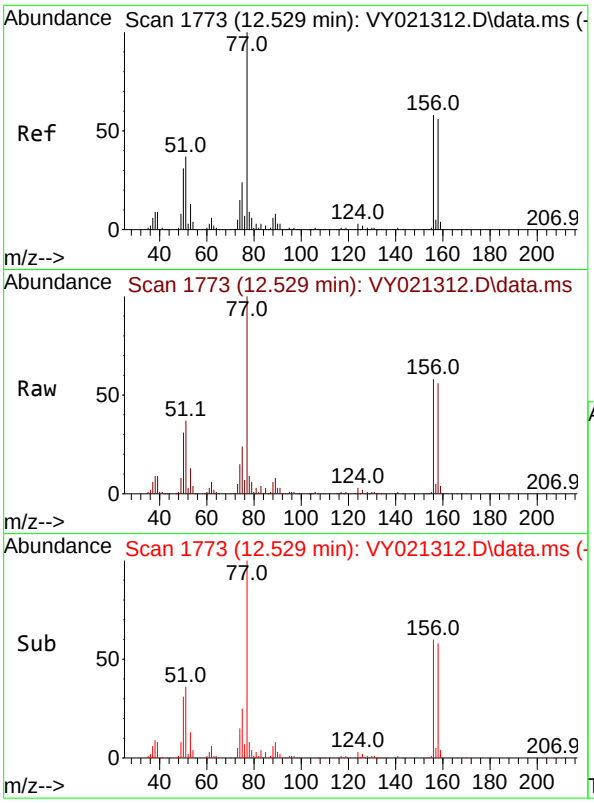


#76
1,2,3-Trichloropropane
Concen: 51.954 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 63683

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

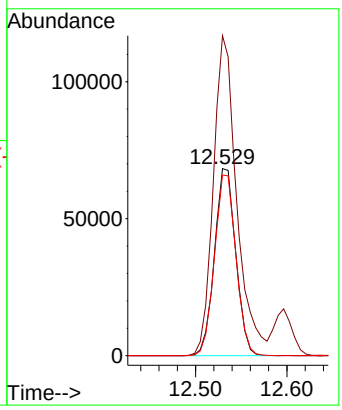




#77
Bromobenzene
Concen: 51.935 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:156 Resp: 11053

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	97.4	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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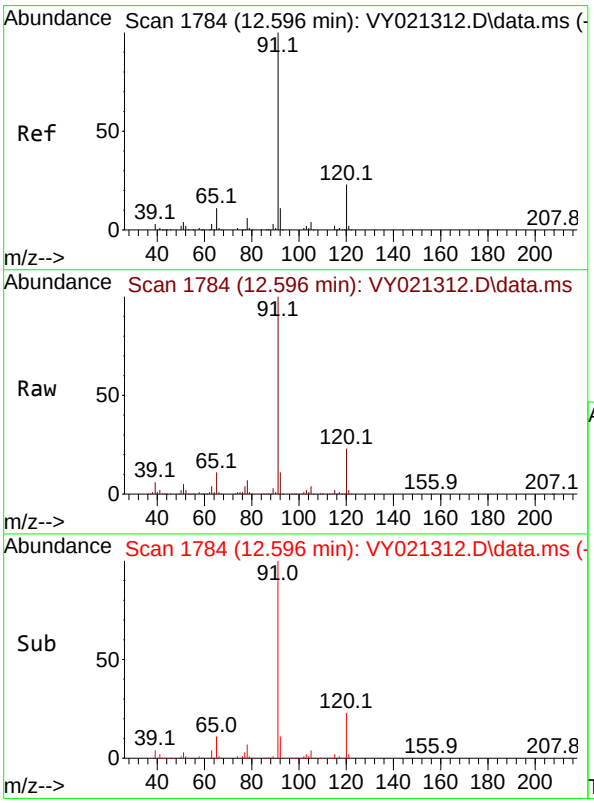
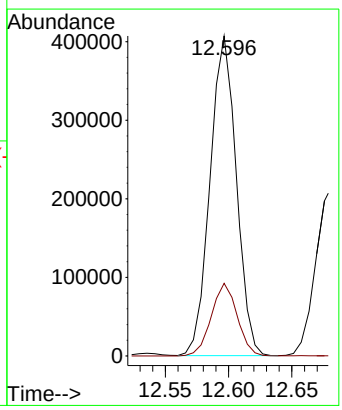
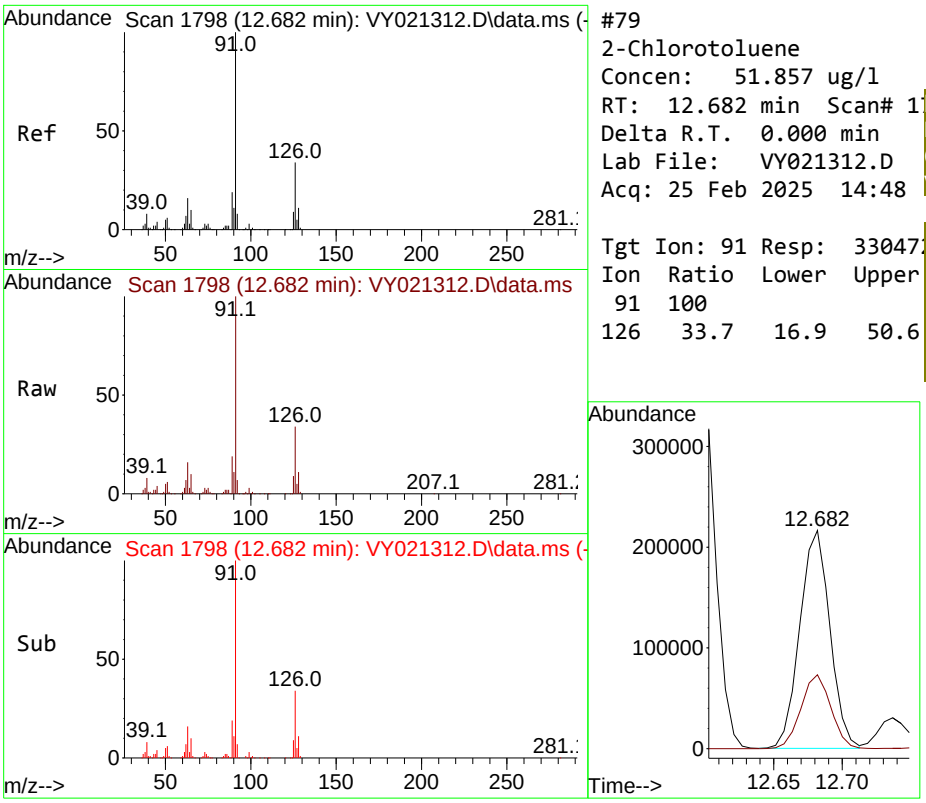


#78
n-propylbenzene
Concen: 52.946 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 587915

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79
2-Chlorotoluene
Concen: 51.857 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 33047

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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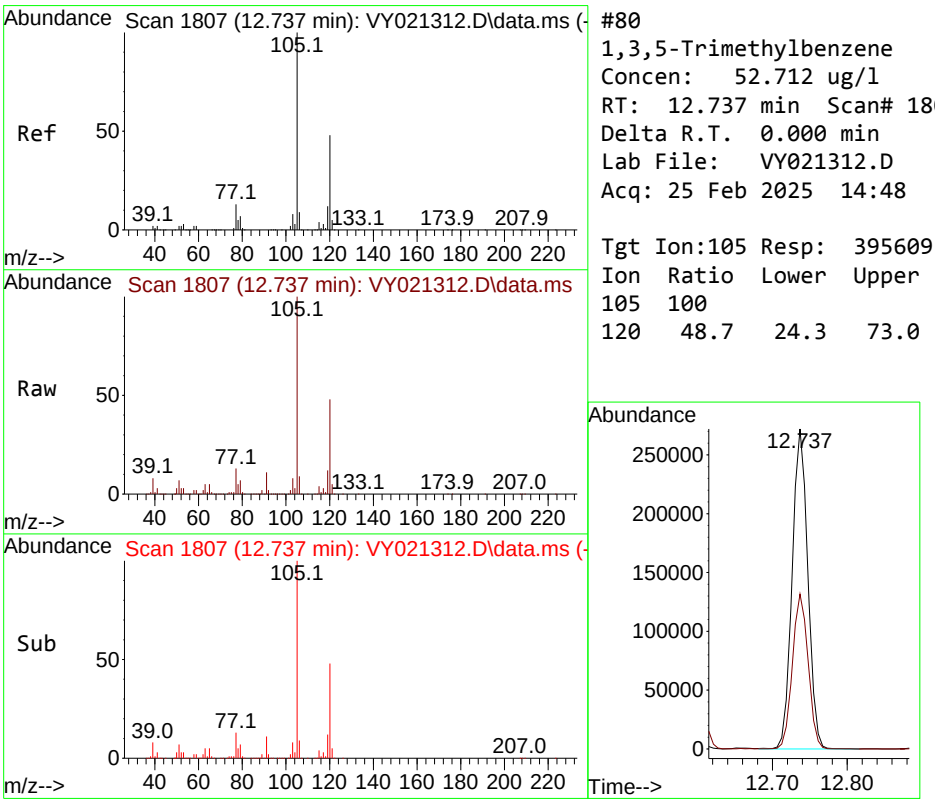
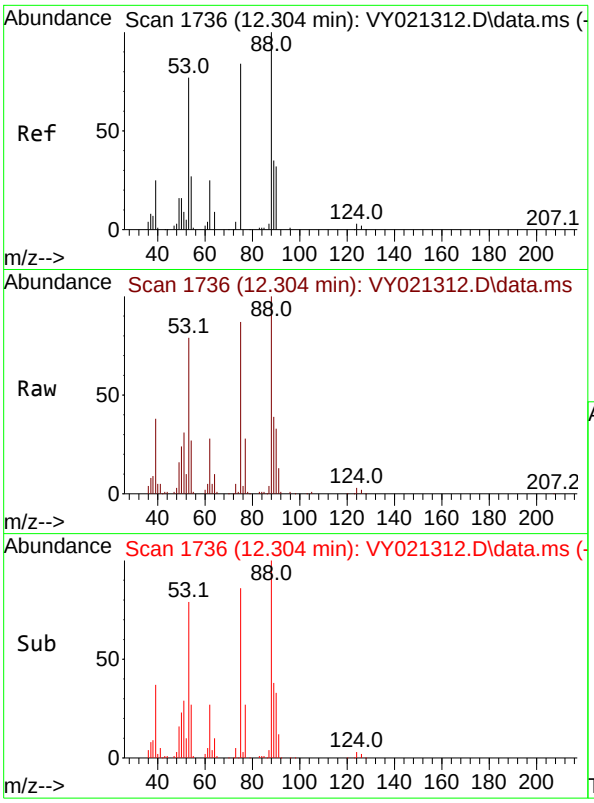


#80
1,3,5-Trimethylbenzene
Concen: 52.712 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395609

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0



#81
trans-1,4-Dichloro-2-butene
Concen: 54.090 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 2964

Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.1	118.7
89	44.5	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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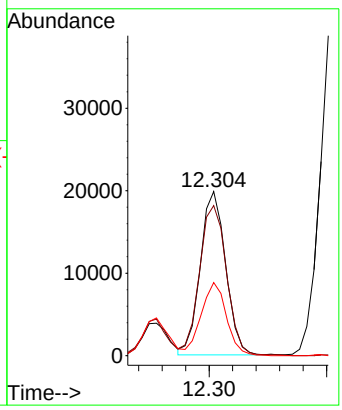
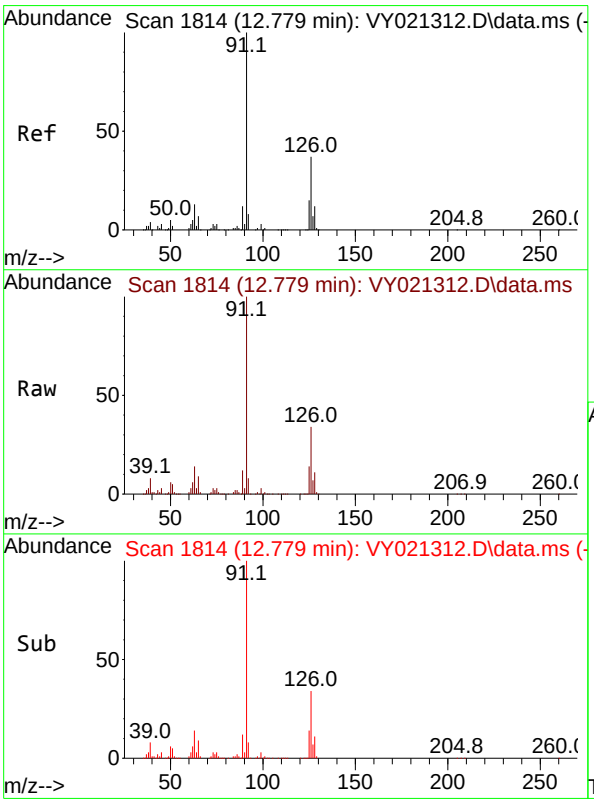
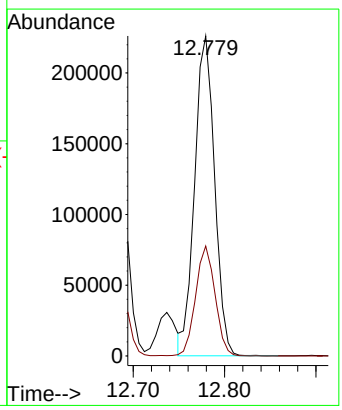


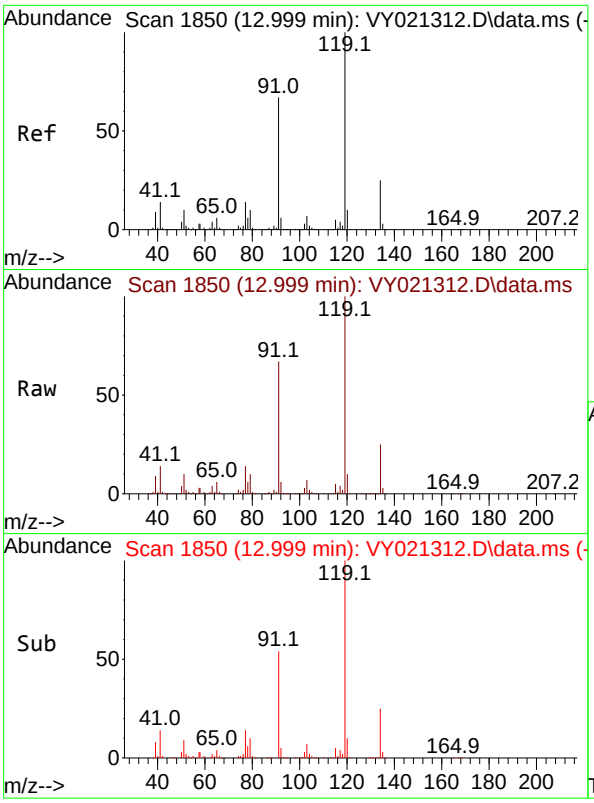


#82
4-Chlorotoluene
Concen: 51.864 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 342611

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

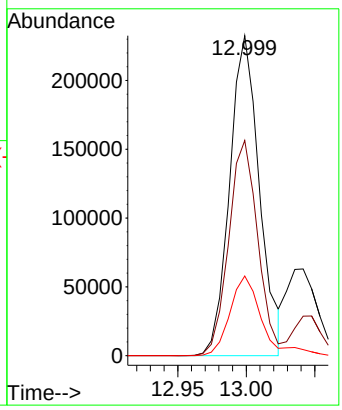




#83
tert-Butylbenzene
Concen: 51.930 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 35205

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.7	98.1
134	26.6	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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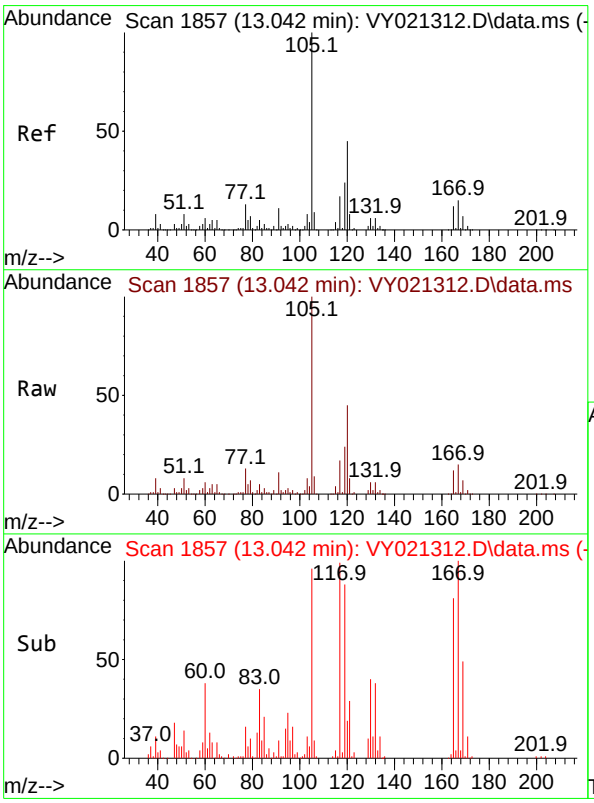
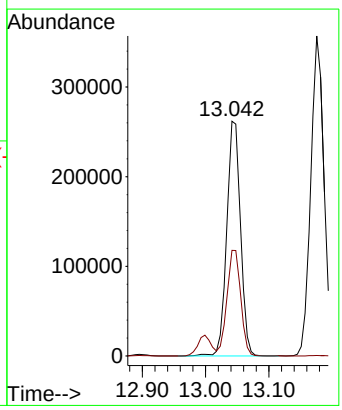
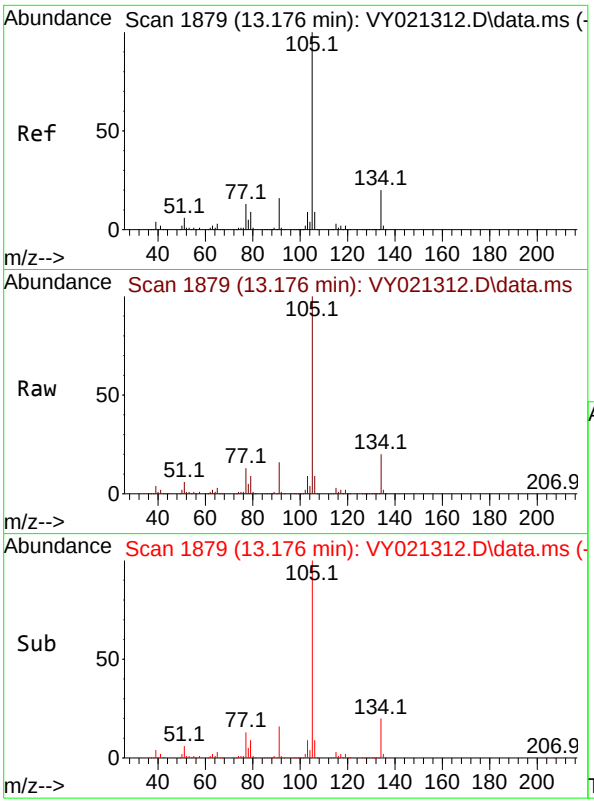


#84
1,2,4-Trimethylbenzene
Concen: 52.962 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395315

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3

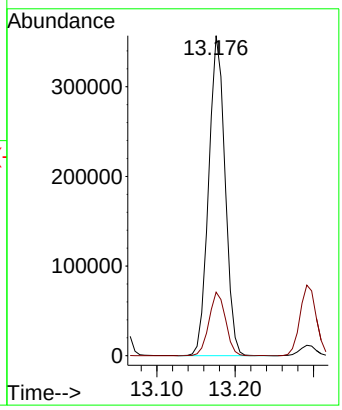




#85
sec-Butylbenzene
Concen: 52.319 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 51809

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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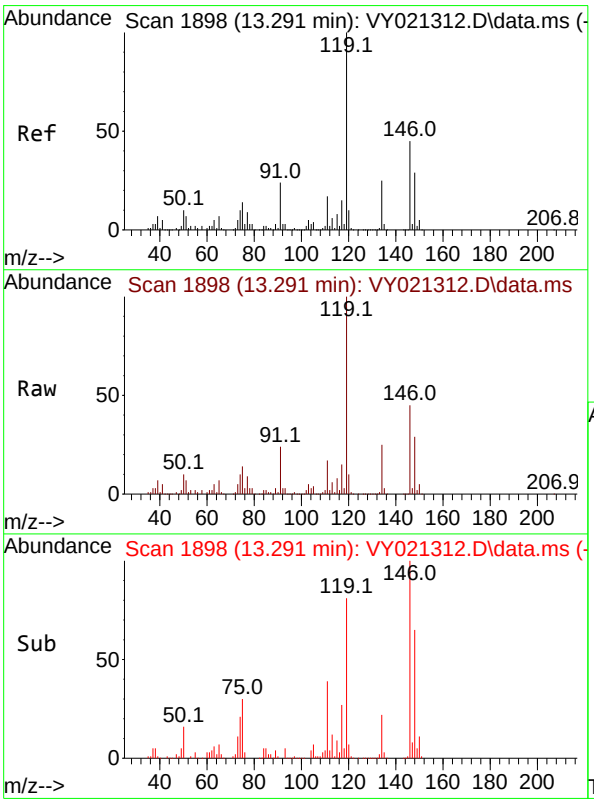
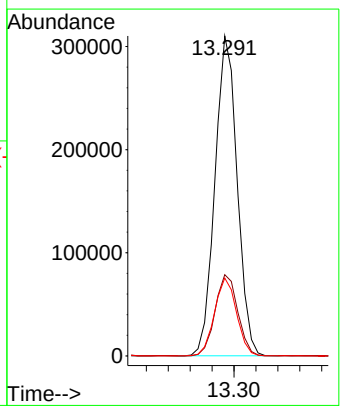
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

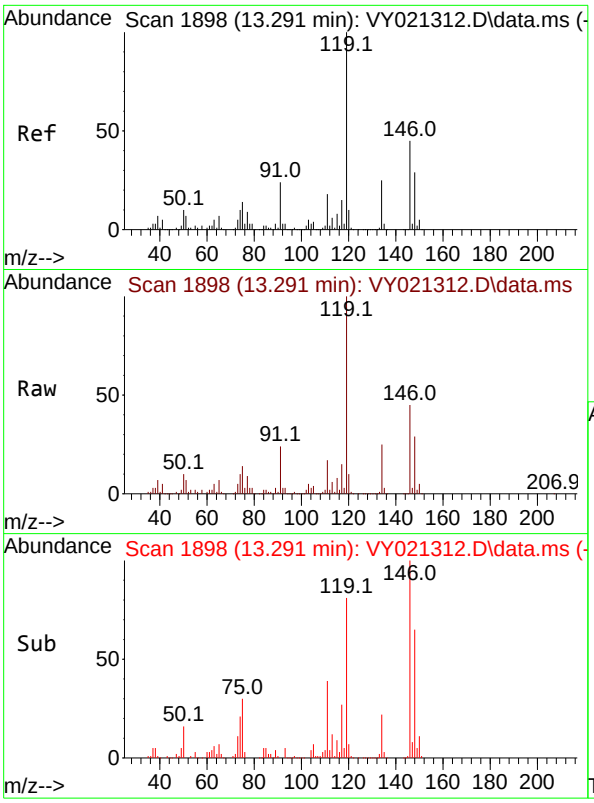


#86
p-Isopropyltoluene
Concen: 52.884 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 437283

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.1	12.0	36.1

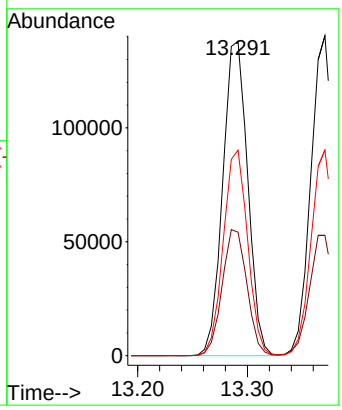




#87
1,3-Dichlorobenzene
Concen: 51.811 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 21813

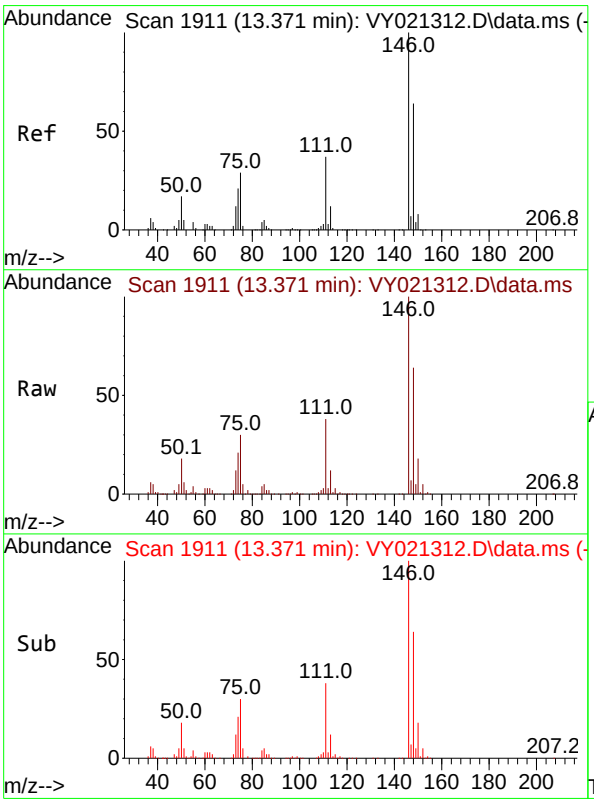
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

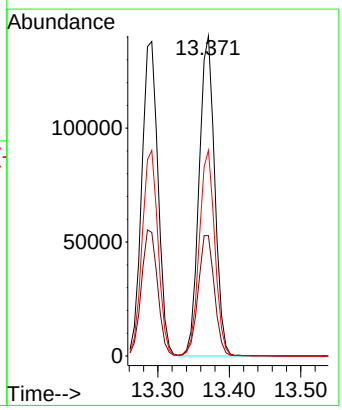
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

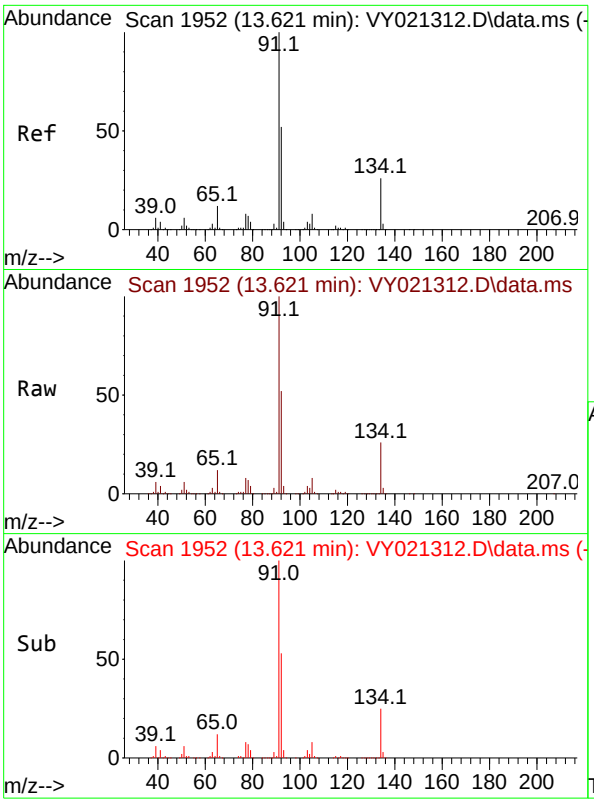


#88
1,4-Dichlorobenzene
Concen: 51.233 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 213090

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.1	32.0	96.2

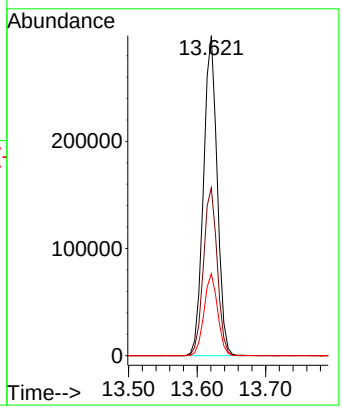




#89
n-Butylbenzene
Concen: 53.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 41637

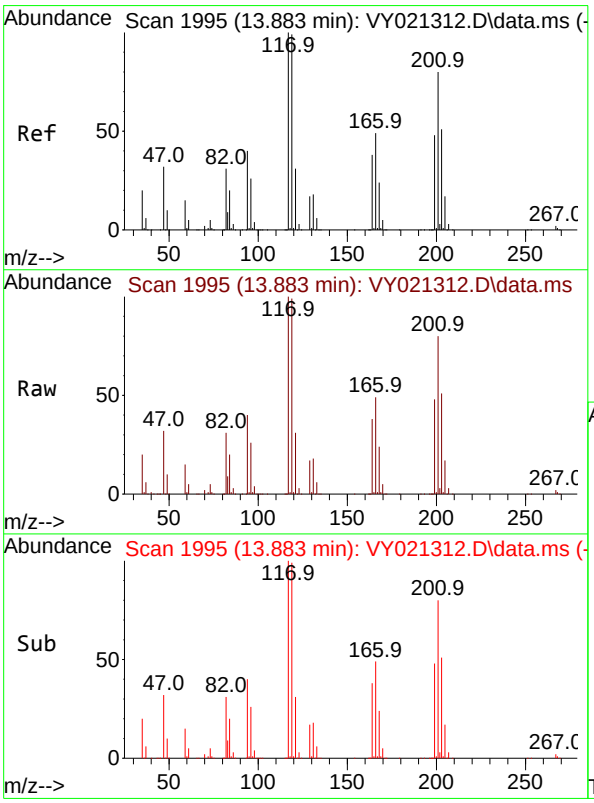
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.3	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

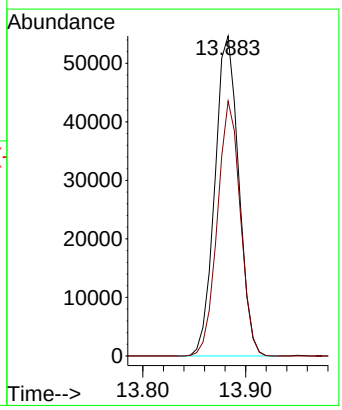
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

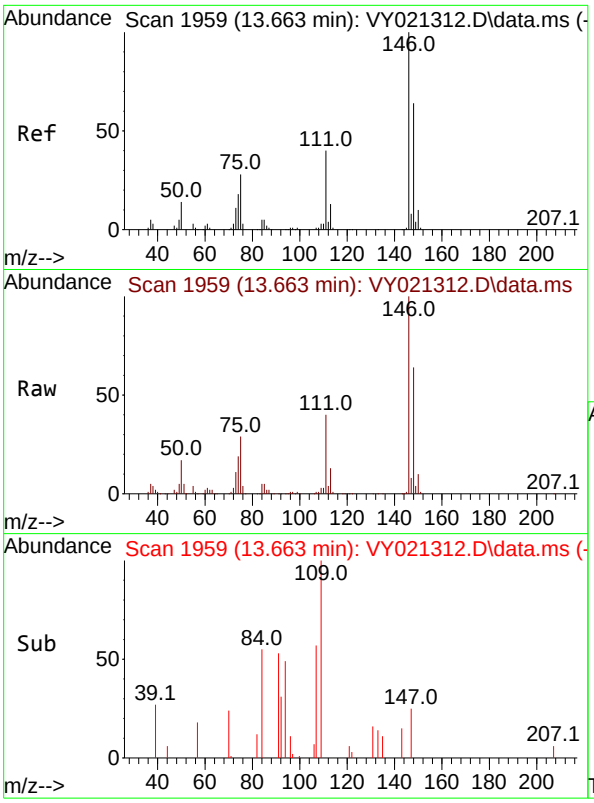


#90
Hexachloroethane
Concen: 50.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 87765

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

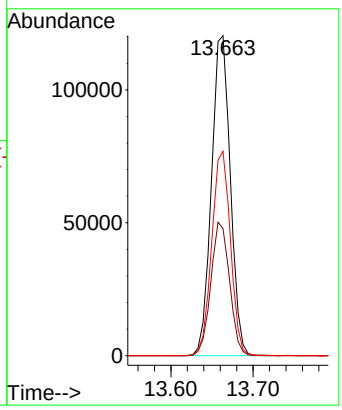




#91
1,2-Dichlorobenzene
Concen: 51.985 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 19175

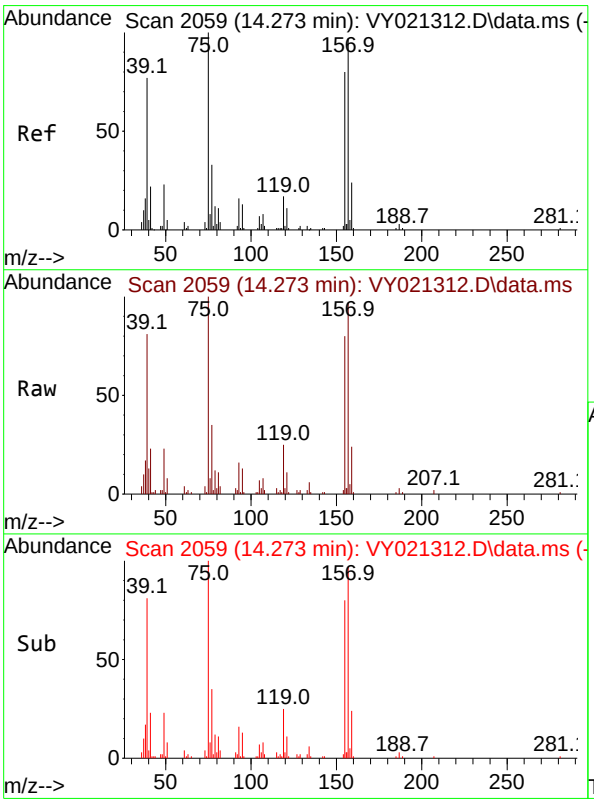
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.4	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

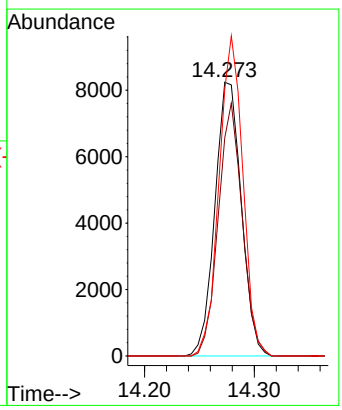
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

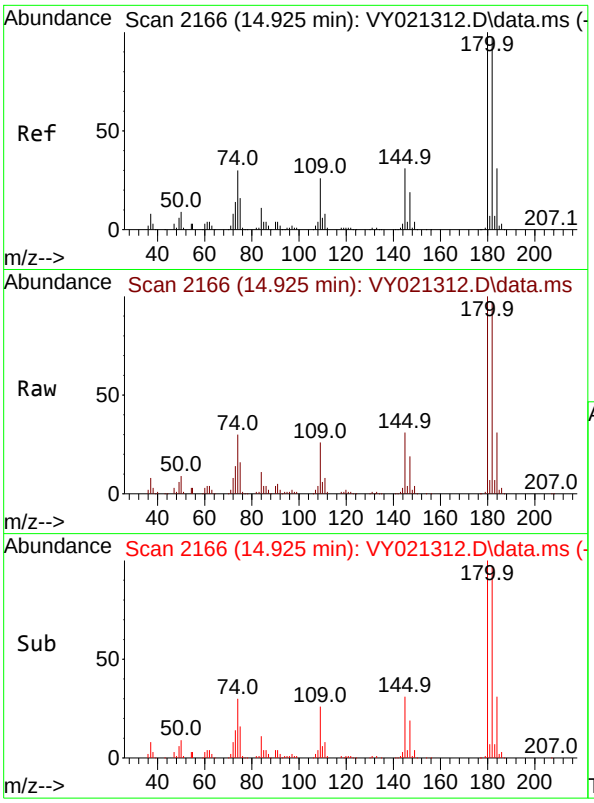


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.947 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 13782

Ion	Ratio	Lower	Upper
75	100		
155	83.7	41.9	125.6
157	105.1	52.5	157.6

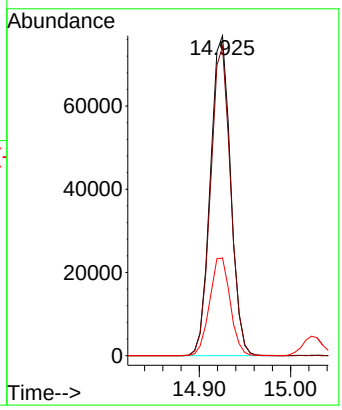




#93
1,2,4-Trichlorobenzene
Concen: 52.360 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 11788

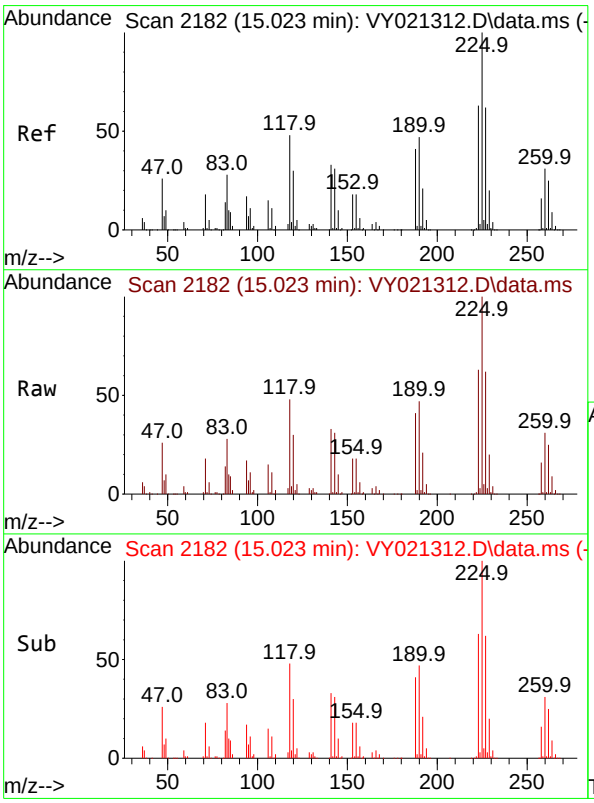
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

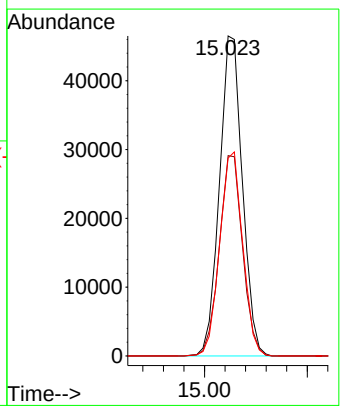
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

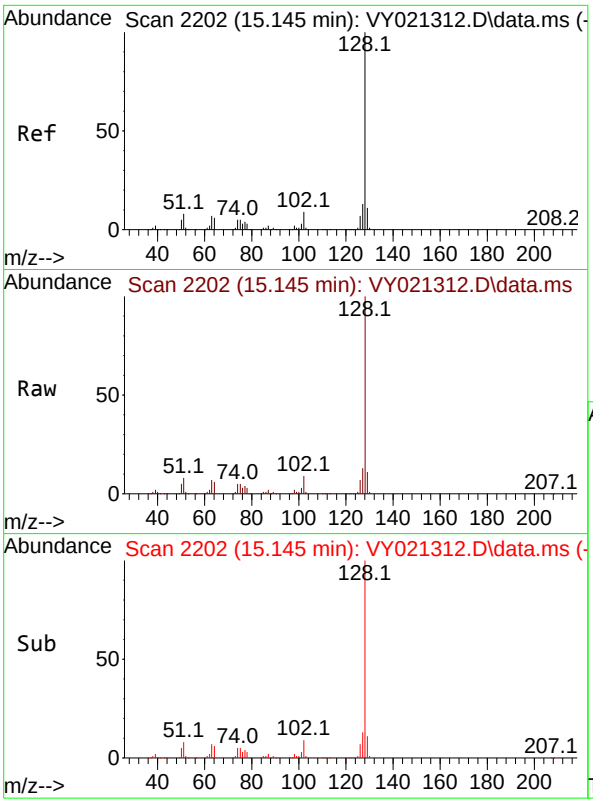


#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:225 Resp: 71915

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	95.4
227	63.8	31.9	95.7

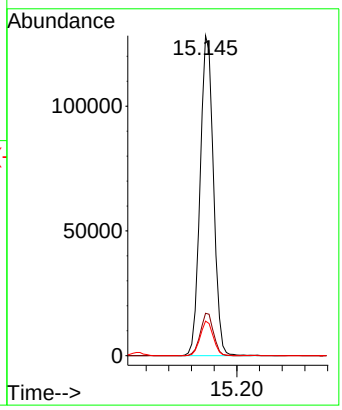




#95
Naphthalene
Concen: 56.174 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:128 Resp: 20947

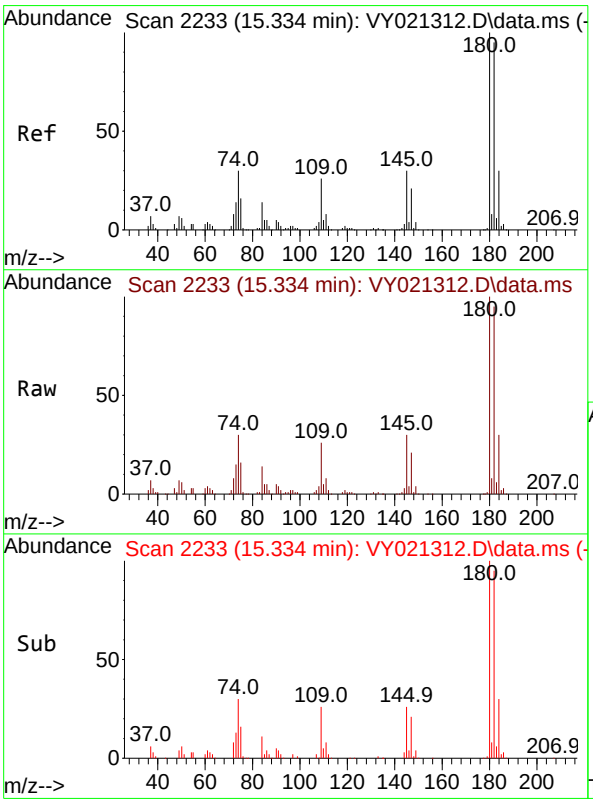
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

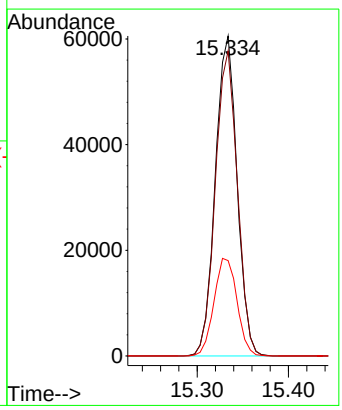
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 100312

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	32.2	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	180458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	283003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306215	149.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 299.160%#			
35) Dibromofluoromethane	7.634	113	283537	152.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.640%#			
50) Toluene-d8	10.103	98	1094820	152.682	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.360%#			
62) 4-Bromofluorobenzene	12.401	95	369071	152.937	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	259643	151.753	ug/l	99
3) Chloromethane	2.068	50	323414	146.365	ug/l	99
4) Vinyl Chloride	2.202	62	328290	151.368	ug/l	97
5) Bromomethane	2.580	94	200754	139.293	ug/l	100
6) Chloroethane	2.726	64	197463	146.820	ug/l	97
7) Trichlorofluoromethane	3.056	101	492238	150.283	ug/l	98
8) Diethyl Ether	3.452	74	154649	157.312	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	293114	154.570	ug/l	99
10) Methyl Iodide	4.000	142	338246	169.542	ug/l	99
11) Tert butyl alcohol	4.860	59	106628	677.165	ug/l	99
12) 1,1-Dichloroethene	3.787	96	280431	154.445	ug/l	98
13) Acrolein	3.647	56	17213	142.652	ug/l	96
14) Allyl chloride	4.378	41	507854	157.755	ug/l	98
15) Acrylonitrile	5.055	53	344988	793.713	ug/l	99
16) Acetone	3.860	43	280172	713.470	ug/l	97
17) Carbon Disulfide	4.104	76	908476	150.676	ug/l	99
18) Methyl Acetate	4.378	43	149226	155.496	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	763596	159.172	ug/l	100
20) Methylene Chloride	4.610	84	296032	139.409	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	308627	154.401	ug/l	98
22) Diisopropyl ether	6.018	45	1028788	154.433	ug/l	96
23) Vinyl Acetate	5.957	43	3191401	801.685	ug/l	99
24) 1,1-Dichloroethane	5.915	63	572832	152.564	ug/l	98
25) 2-Butanone	6.890	43	462541	780.449	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515178	151.214	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	354979	155.519	ug/l	99
28) Bromochloromethane	7.244	49	251245	151.227	ug/l	99
29) Tetrahydrofuran	7.256	42	309130	797.978	ug/l	99
30) Chloroform	7.421	83	574920	151.112	ug/l	100
31) Cyclohexane	7.695	56	525636	145.637	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	529792	152.986	ug/l	99
36) 1,1-Dichloropropene	7.835	75	429157	153.985	ug/l	100
37) Ethyl Acetate	6.982	43	216920	156.470	ug/l	100
38) Carbon Tetrachloride	7.817	117	481774	153.764	ug/l	99
39) Methylcyclohexane	9.103	83	563132	159.752	ug/l	97
40) Benzene	8.079	78	1249573	151.673	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.219	41	123663	159.542 ug/l		95
42) 1,2-Dichloroethane	8.152	62	355374	152.036 ug/l		99
43) Isopropyl Acetate	8.195	43	433742	161.641 ug/l		98
44) Trichloroethene	8.865	130	318590	154.457 ug/l		99
45) 1,2-Dichloropropane	9.140	63	302967	152.809 ug/l		99
46) Dibromomethane	9.231	93	168654	155.620 ug/l		99
47) Bromodichloromethane	9.420	83	448398	155.172 ug/l		99
48) Methyl methacrylate	9.219	41	213222	169.923 ug/l		100
49) 1,4-Dioxane	9.225	88	38142	3165.209 ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	1121500	816.471 ug/l		100
52) Toluene	10.170	92	794485	155.232 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	432560	163.384 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	493601	157.928 ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	215312	152.506 ug/l		98
56) Ethyl methacrylate	10.438	69	337816	173.168 ug/l		99
57) 1,3-Dichloropropane	10.713	76	385803	155.726 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	761125	812.859 ug/l		100
59) 2-Hexanone	10.755	43	754575	836.458 ug/l		98
60) Dibromochloromethane	10.908	129	299188	155.598 ug/l		99
61) 1,2-Dibromoethane	11.011	107	208046	155.651 ug/l		99
64) Tetrachloroethene	10.646	164	288026	153.351 ug/l		98
65) Chlorobenzene	11.438	112	863676	154.837 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	301244	154.234 ug/l		100
67) Ethyl Benzene	11.517	91	1576743	159.586 ug/l		100
68) m/p-Xylenes	11.627	106	1167839	314.246 ug/l		100
69) o-Xylene	11.950	106	550972	158.258 ug/l		99
70) Styrene	11.969	104	936967	161.754 ug/l		100
71) Bromoform	12.133	173	175918	157.441 ug/l	#	99
73) Isopropylbenzene	12.255	105	1461905	159.969 ug/l		99
74) N-amyl acetate	12.066	43	403238	173.596 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	251216	155.759 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	179622m	146.733 ug/l		
77) Bromobenzene	12.529	156	333772	157.025 ug/l		99
78) n-propylbenzene	12.597	91	1765636	159.217 ug/l		100
79) 2-Chlorotoluene	12.682	91	995452	156.411 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1190462	158.830 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	92910	169.722 ug/l		98
82) 4-Chlorotoluene	12.779	91	1021811	154.883 ug/l		100
83) tert-Butylbenzene	12.999	119	1094125	161.602 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1192062	159.915 ug/l		99
85) sec-Butylbenzene	13.176	105	1558540	157.594 ug/l		100
86) p-Isopropyltoluene	13.291	119	1327819	160.795 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	648204	154.161 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	635981	153.109 ug/l		100
89) n-Butylbenzene	13.615	91	1269399	163.350 ug/l		99
90) Hexachloroethane	13.877	117	275368	159.641 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	570360	154.826 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	42060	164.851 ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	384163	170.860 ug/l		99
94) Hexachlorobutadiene	15.023	225	224602	158.670 ug/l		99
95) Naphthalene	15.145	128	694625	186.517 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	326876	172.067 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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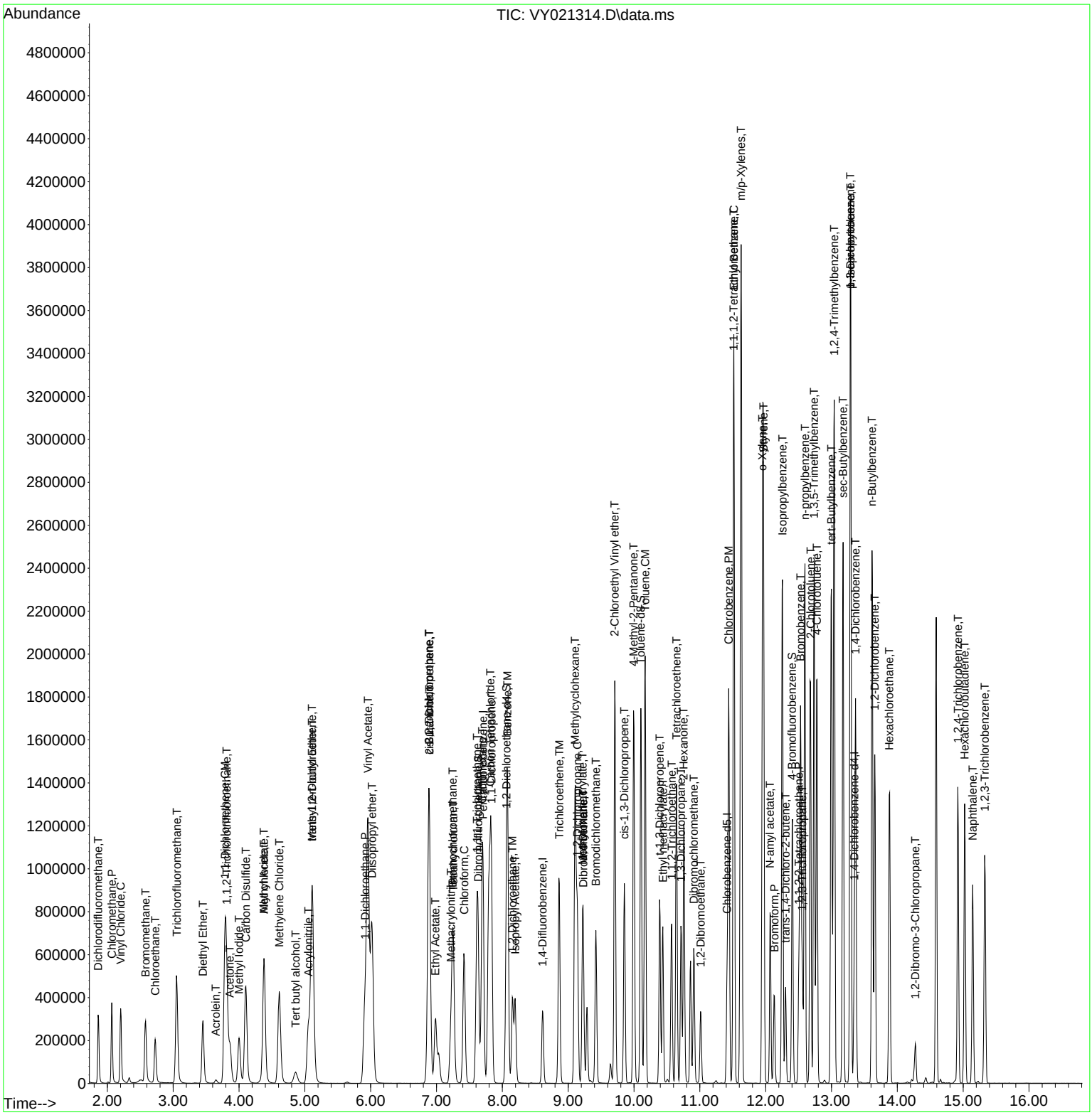
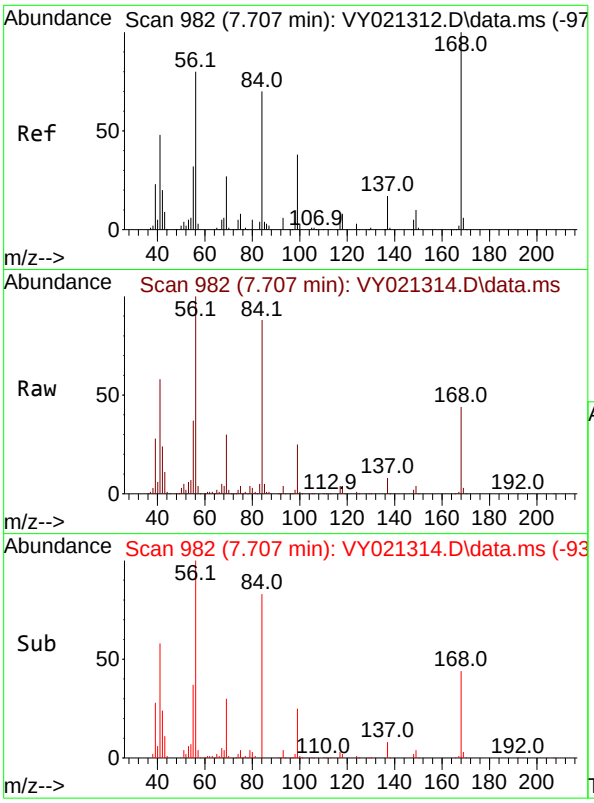
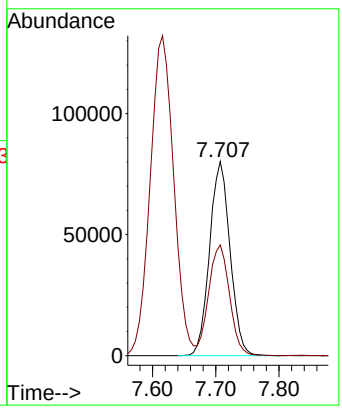




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:168 Resp: 18045

Ion	Ratio	Lower	Upper
168	100		
99	57.0	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
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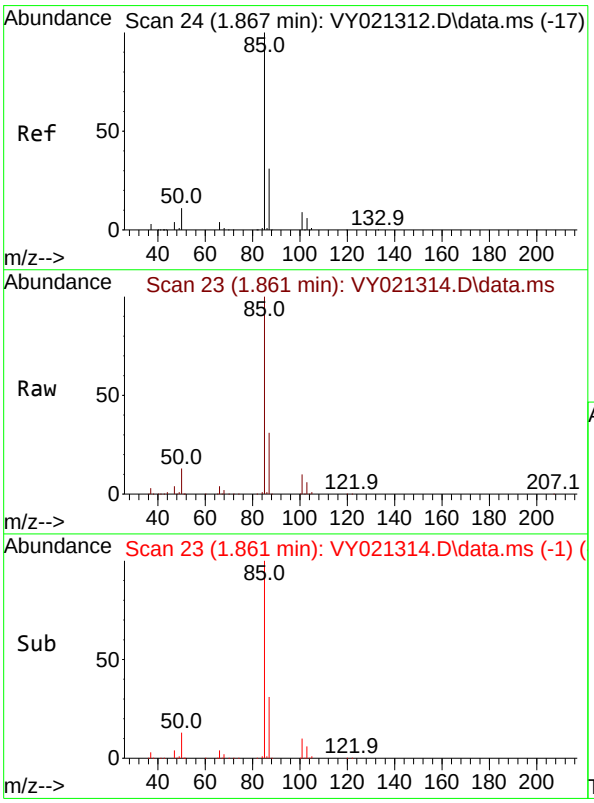
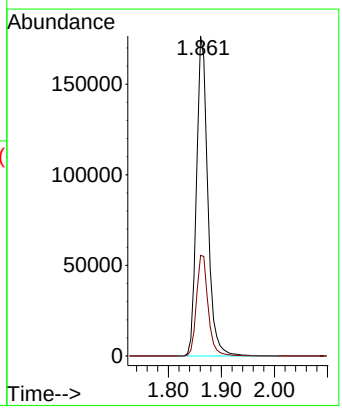
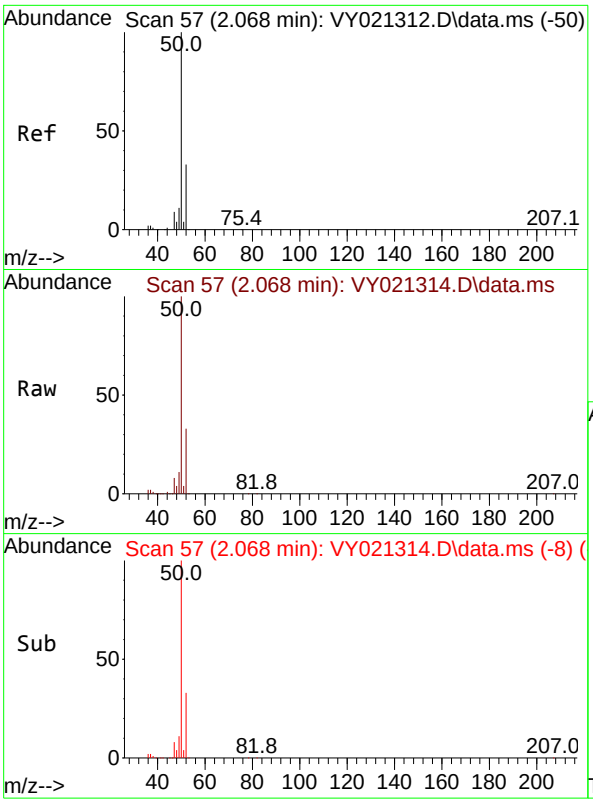


#2
Dichlorodifluoromethane
Concen: 151.753 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 85 Resp: 259643

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4

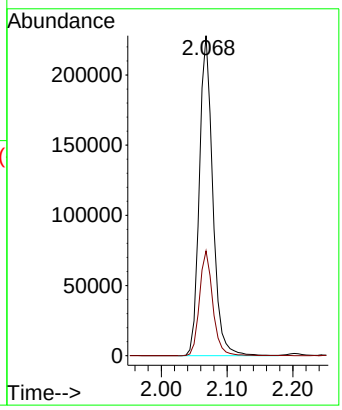




#3
Chloromethane
Concen: 146.365 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 50 Resp: 32341

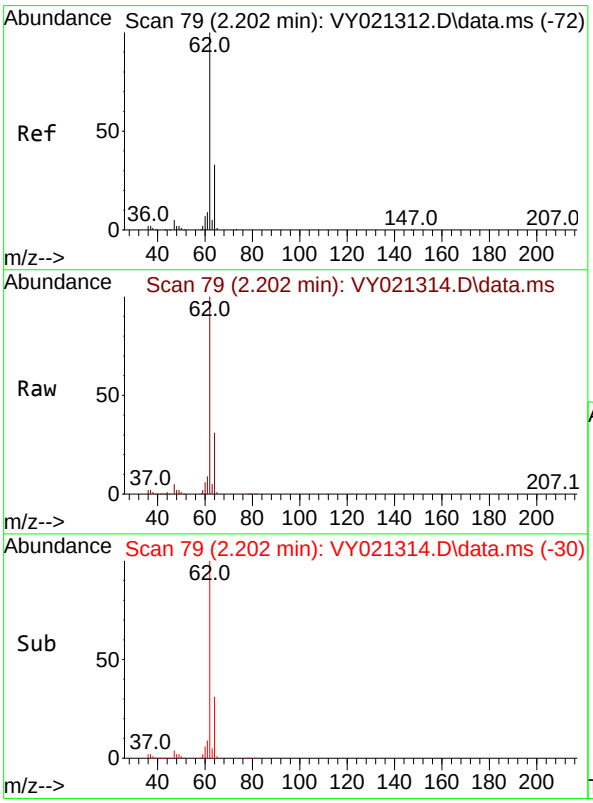
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

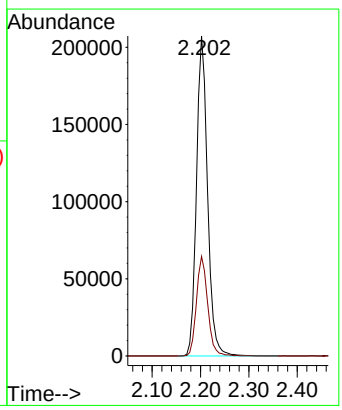
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

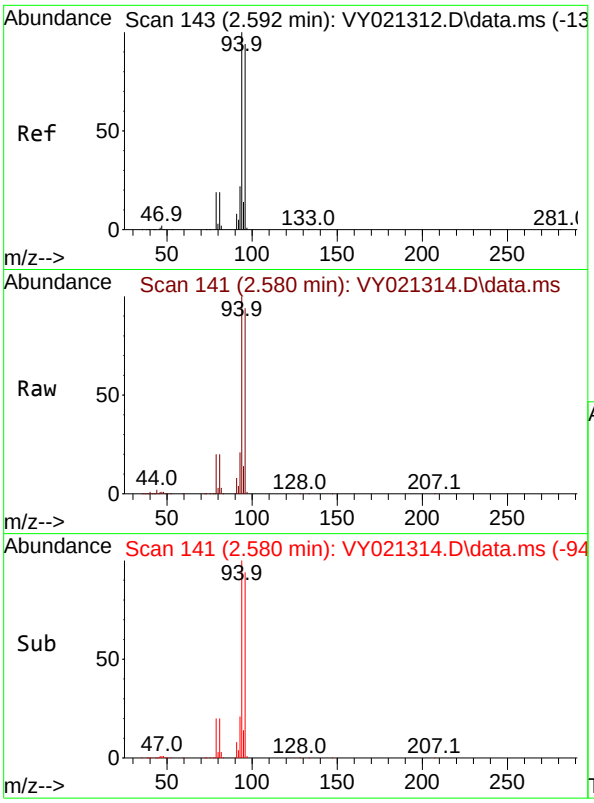


#4
Vinyl Chloride
Concen: 151.368 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 328290

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.3	39.5

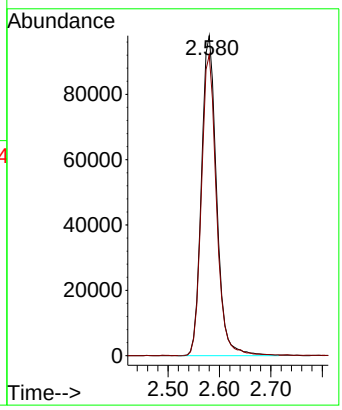




#5
Bromomethane
Concen: 139.293 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 94 Resp: 20075

Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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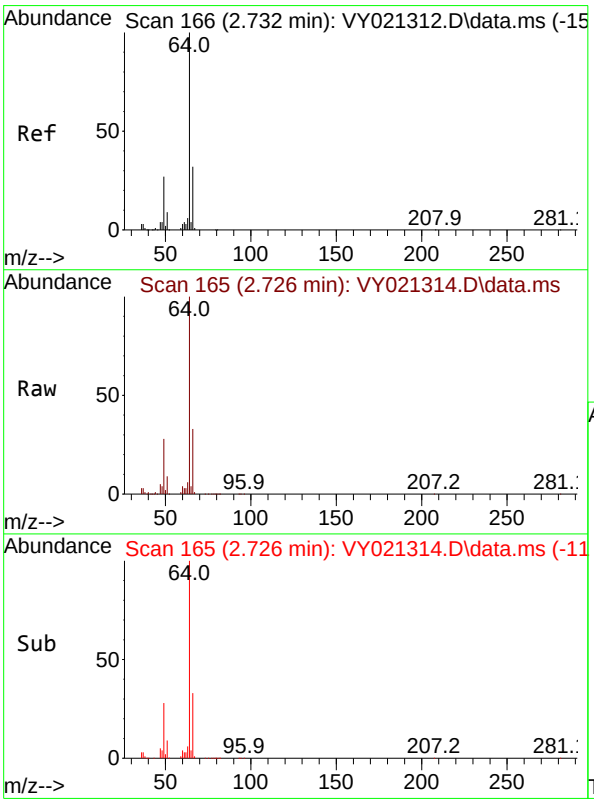
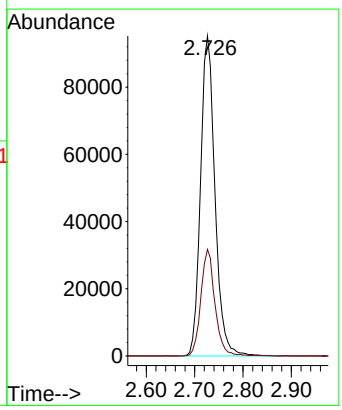
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

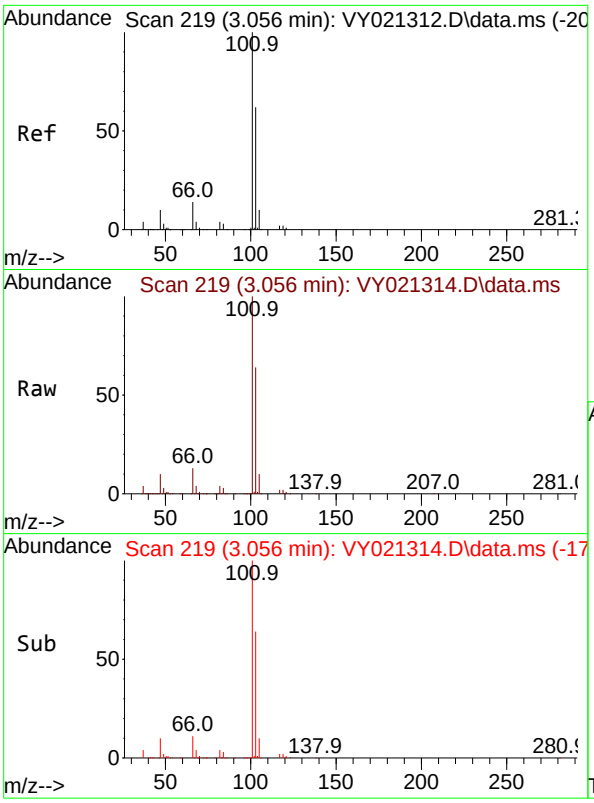


#6
Chloroethane
Concen: 146.820 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 64 Resp: 197463

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.4	38.0

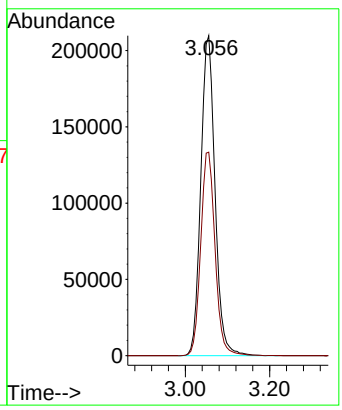




#7
Trichlorofluoromethane
Concen: 150.283 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:101 Resp: 49223

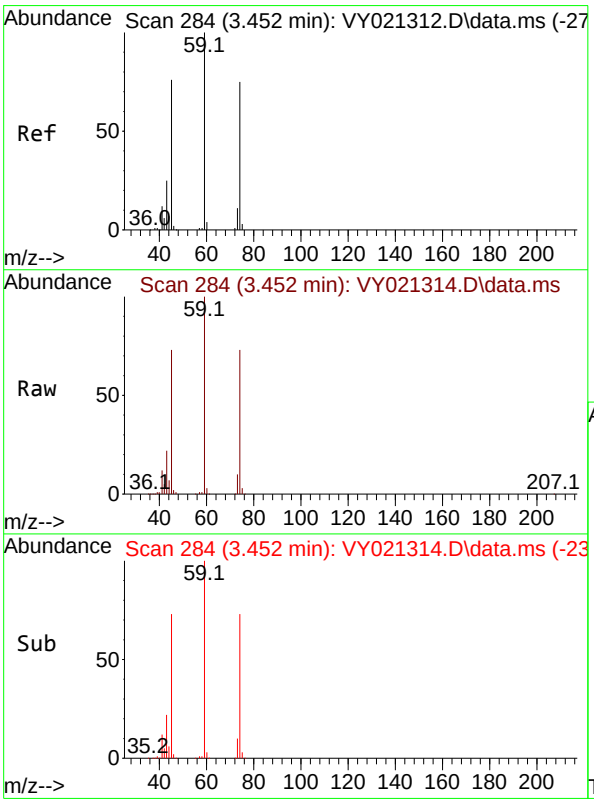
Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

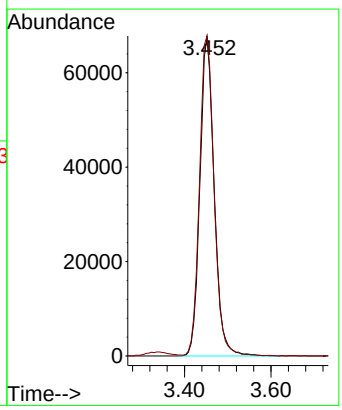
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

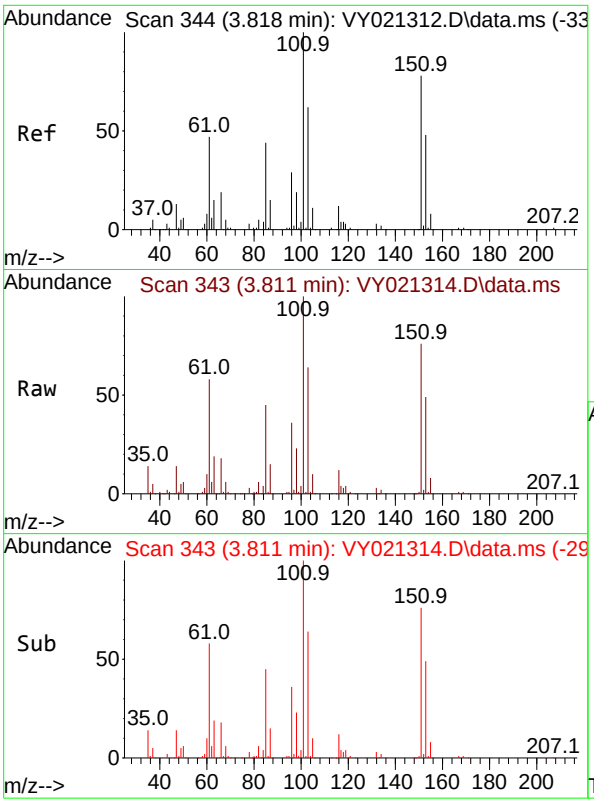


#8
Diethyl Ether
Concen: 157.312 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 74 Resp: 154649

Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.570 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

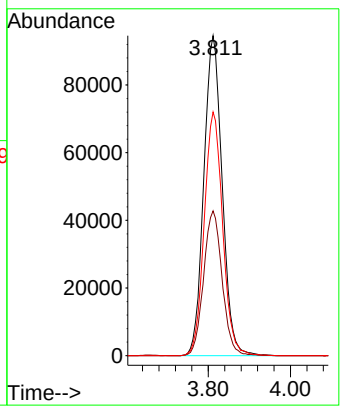
Tgt Ion:101 Resp: 29311

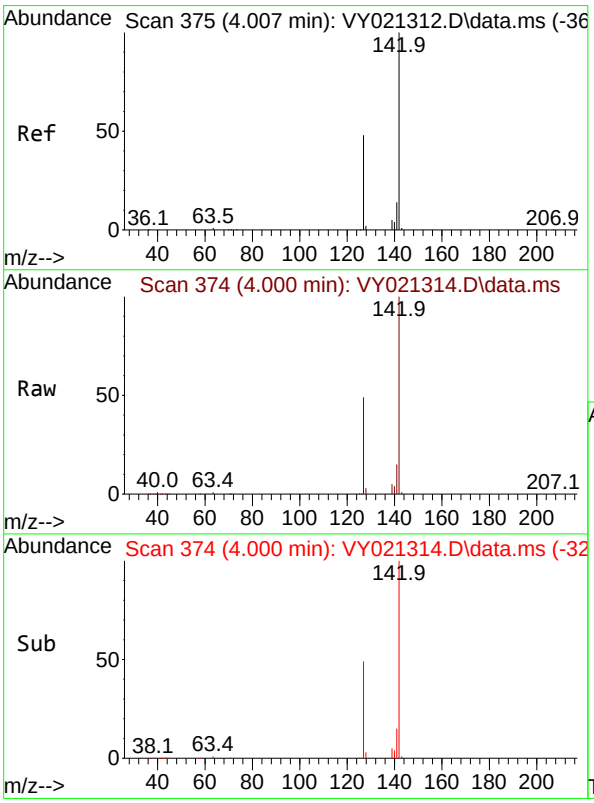
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	76.6	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

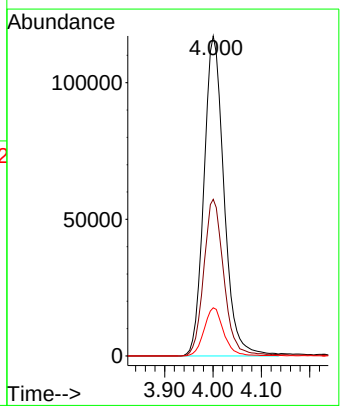


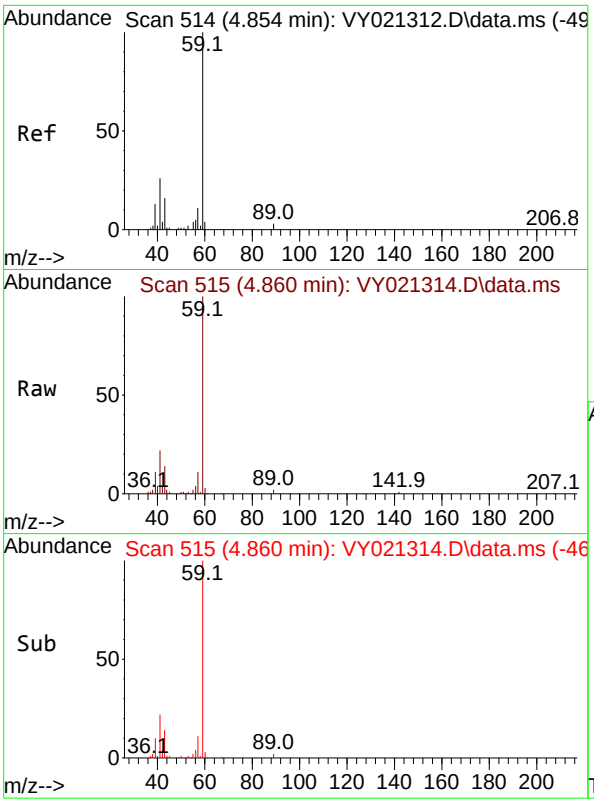


#10
Methyl Iodide
Concen: 169.542 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:142 Resp: 338246

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2

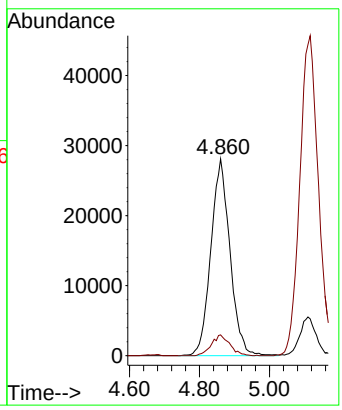




#11
Tert butyl alcohol
Concen: 677.165 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 59 Resp: 10662

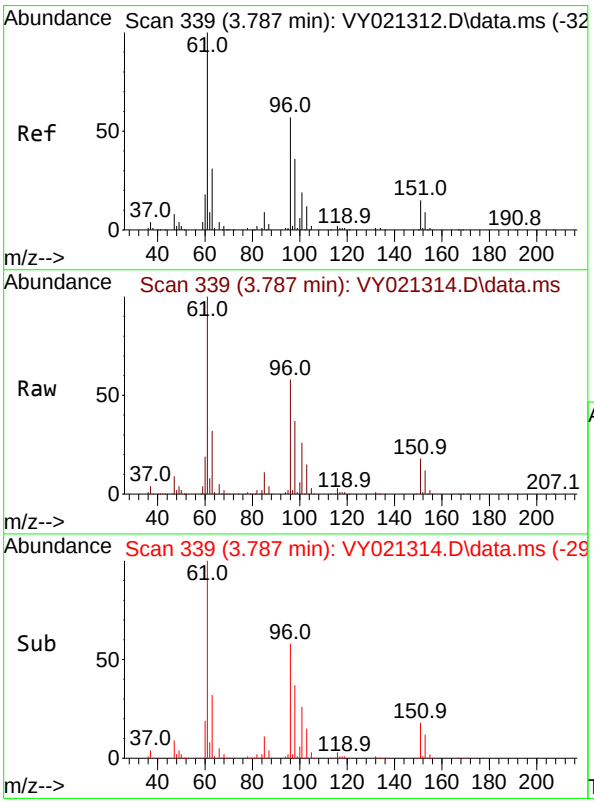
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

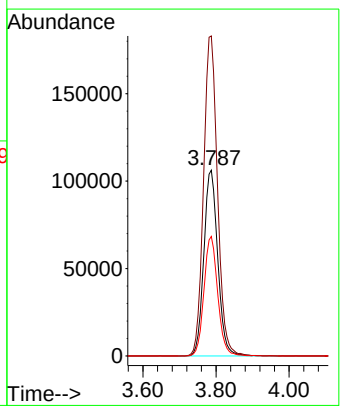
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

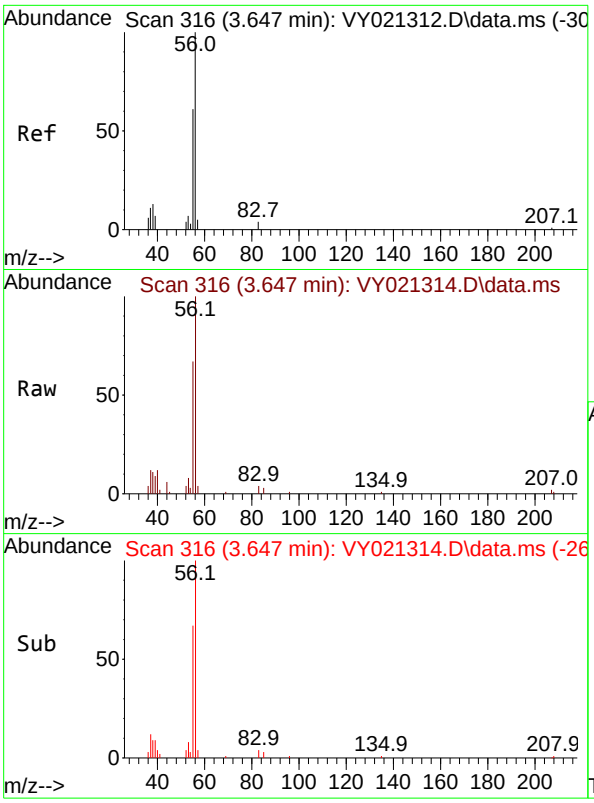


#12
1,1-Dichloroethene
Concen: 154.445 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 280431

Ion	Ratio	Lower	Upper
96	100		
61	172.2	139.7	209.5
98	64.3	49.7	74.5

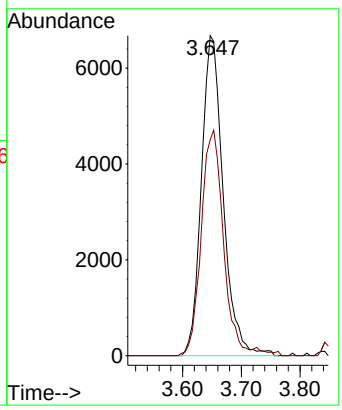




#13
Acrolein
Concen: 142.652 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 1721

Ion	Ratio	Lower	Upper
56	100		
55	70.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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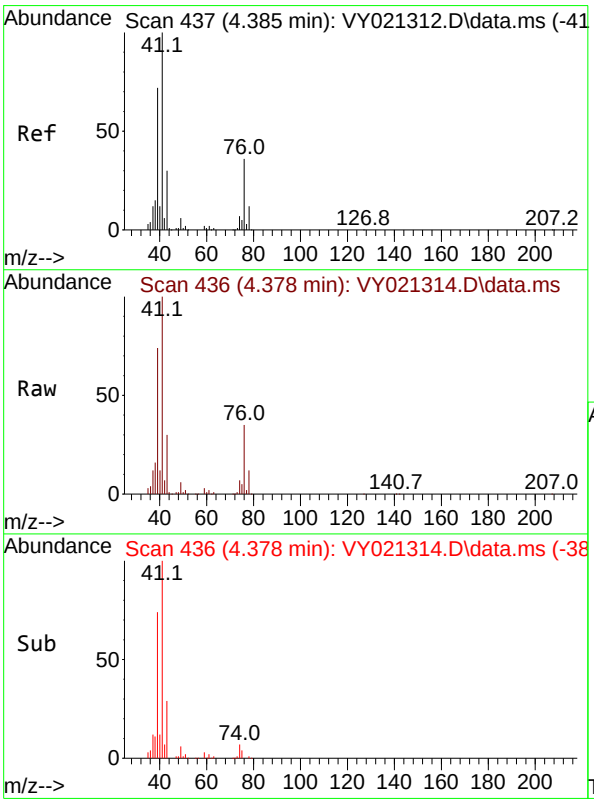
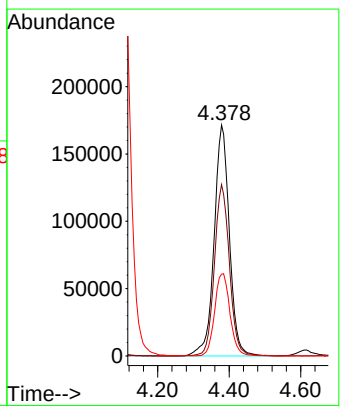
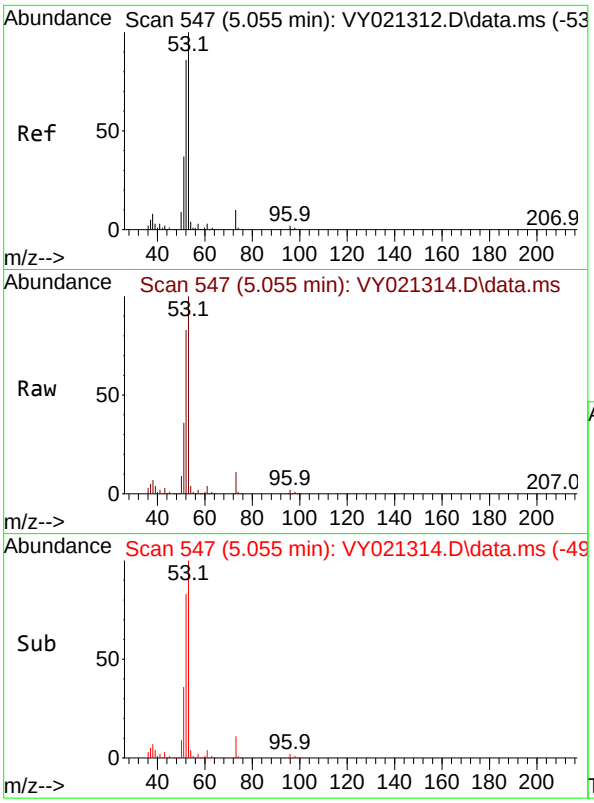


#14
Allyl chloride
Concen: 157.755 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 507854

Ion	Ratio	Lower	Upper
41	100		
39	73.1	60.0	90.0
76	35.8	29.0	43.6





#15
Acrylonitrile
Concen: 793.713 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

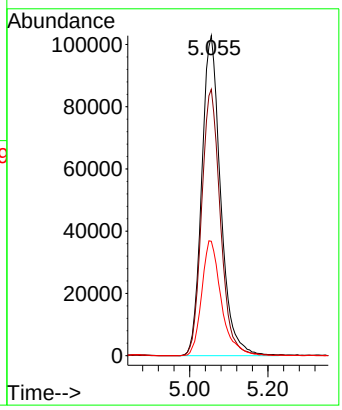
Tgt Ion: 53 Resp: 34498

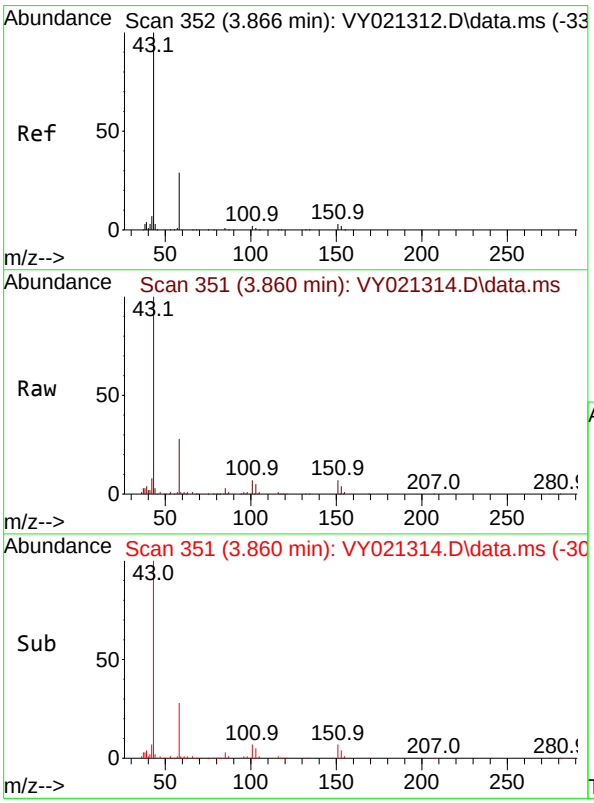
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.2	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

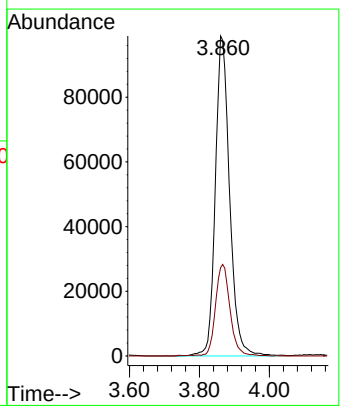


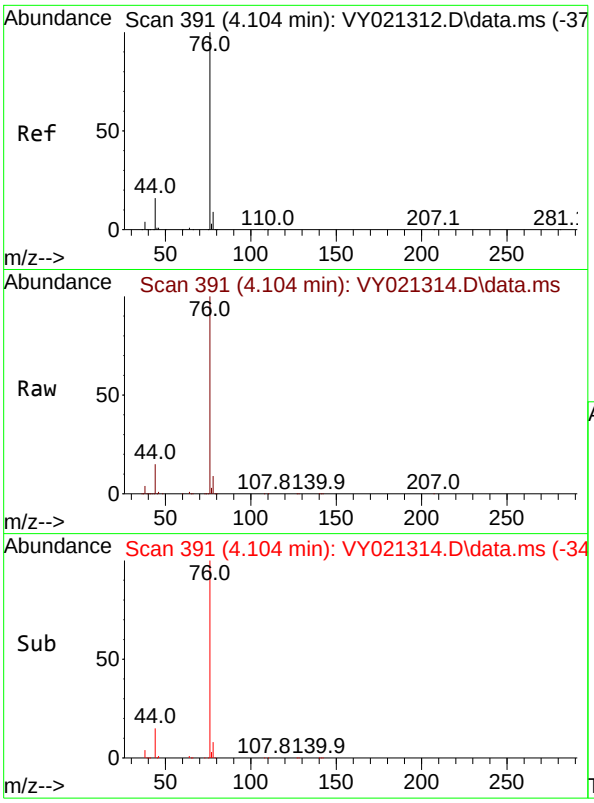


#16
Acetone
Concen: 713.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 280172

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.5	35.3

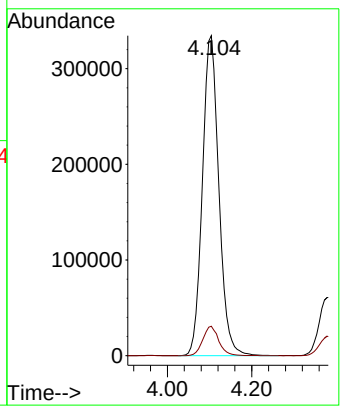




#17
Carbon Disulfide
Concen: 150.676 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 76 Resp: 90847

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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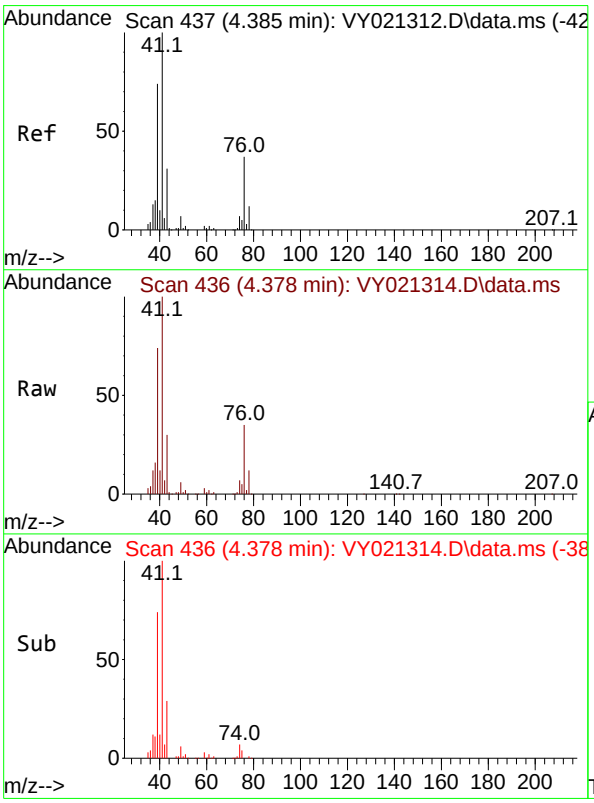
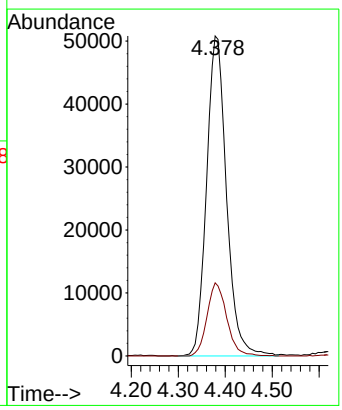
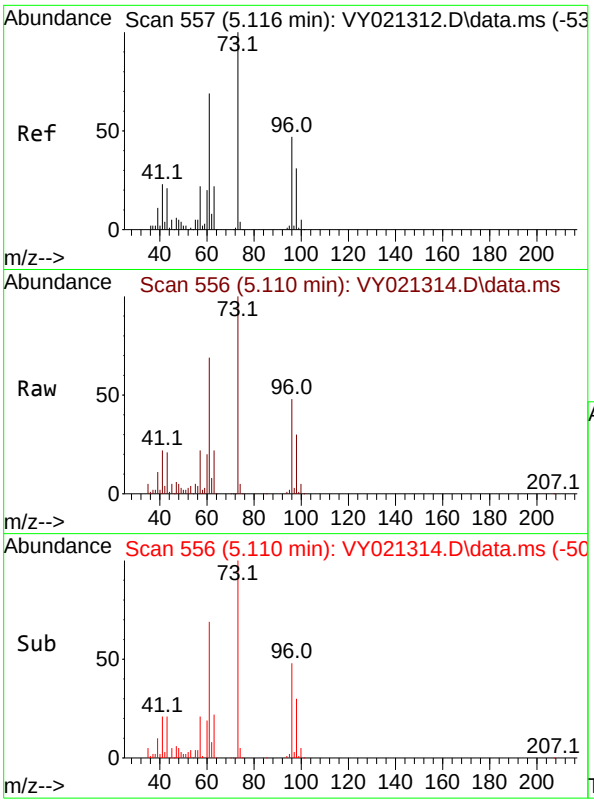


#18
Methyl Acetate
Concen: 155.496 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 149226

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5

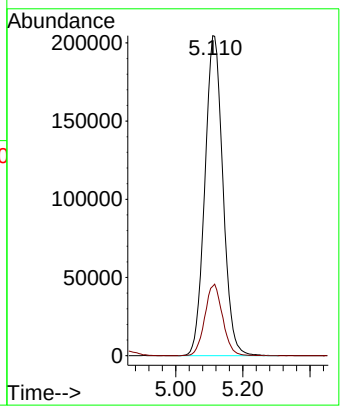




#19
Methyl tert-butyl Ether
Concen: 159.172 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 73 Resp: 76359

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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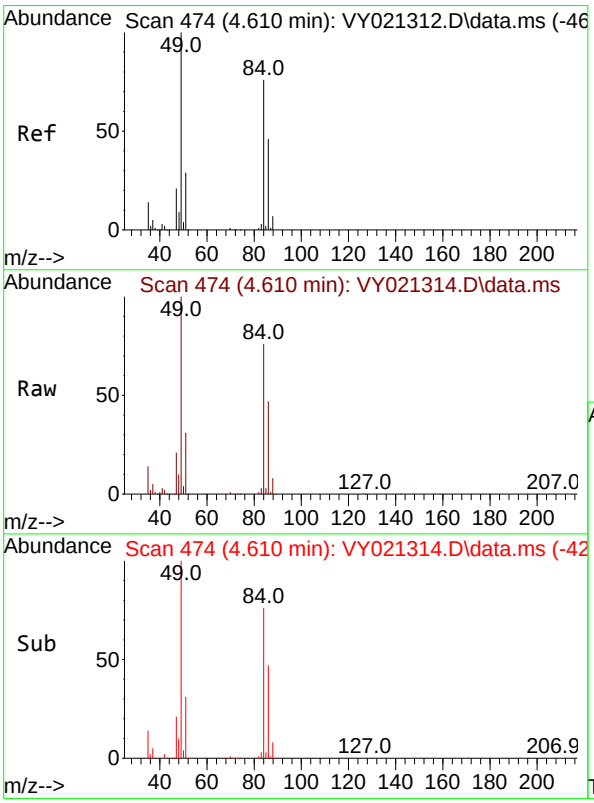
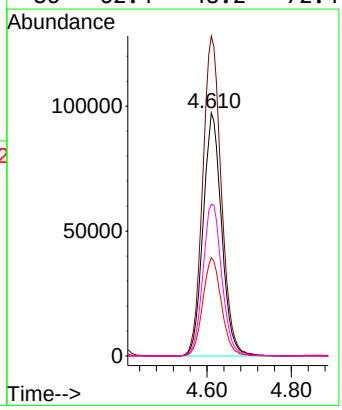
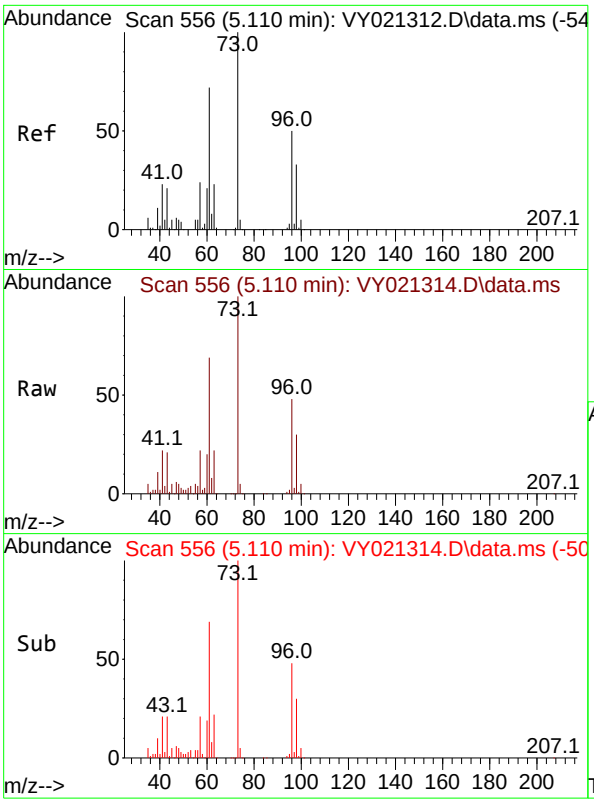


#20
Methylene Chloride
Concen: 139.409 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 84 Resp: 296032

Ion	Ratio	Lower	Upper
84	100		
49	131.6	105.1	157.7
51	40.5	31.0	46.4
86	62.4	48.2	72.4

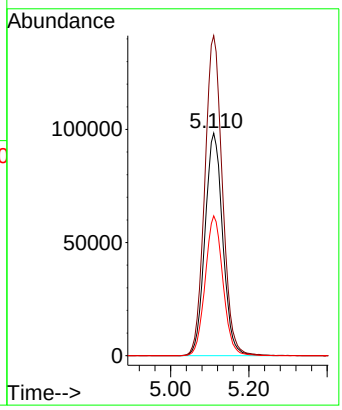




#21
trans-1,2-Dichloroethene
Concen: 154.401 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 30862

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.3	174.5
98	62.8	52.6	78.8



Instrument :
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ClientSampleId :
VSTDICC150

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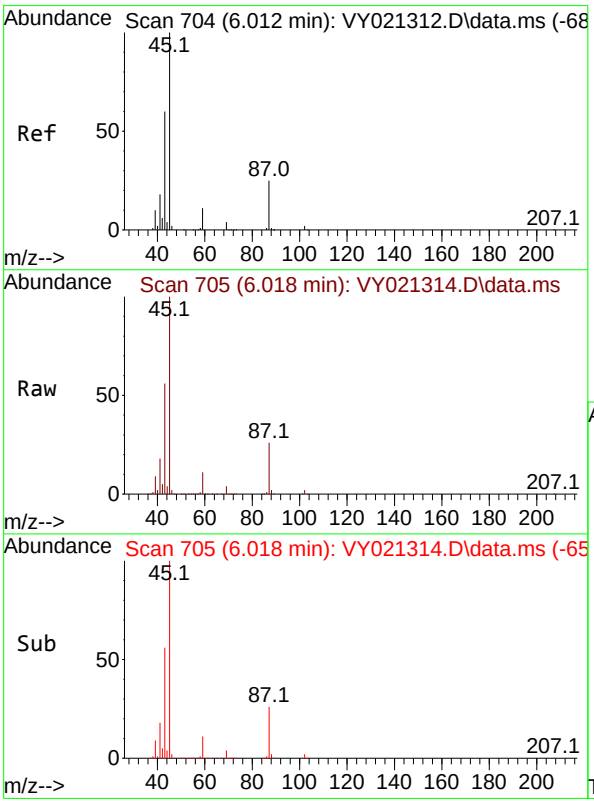
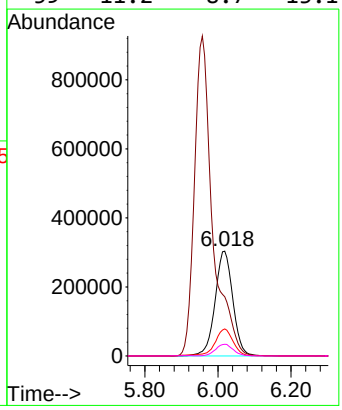
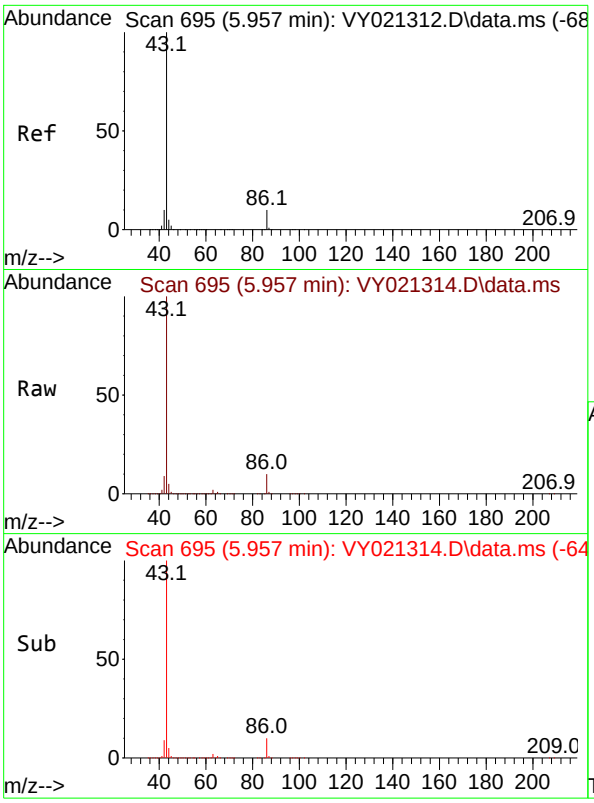


#22
Diisopropyl ether
Concen: 154.433 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 45 Resp: 1028788

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.2	72.4
87	25.8	20.3	30.5
59	11.2	8.7	13.1

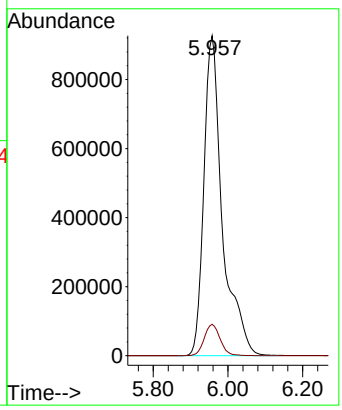




#23
Vinyl Acetate
Concen: 801.685 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 319140

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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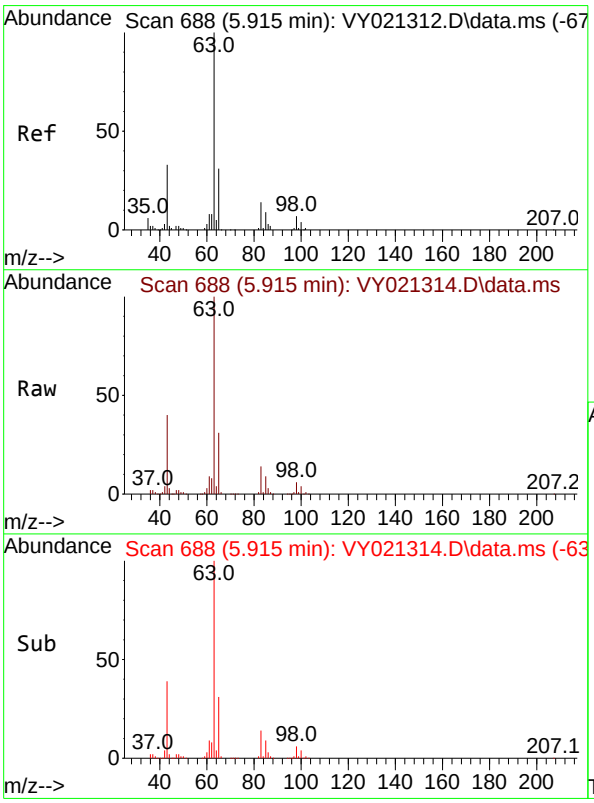
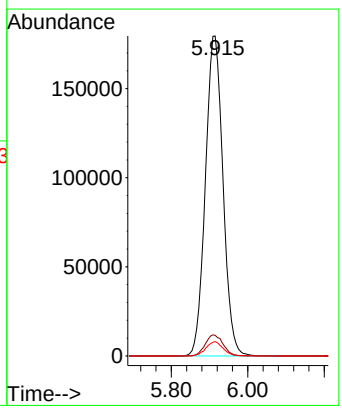
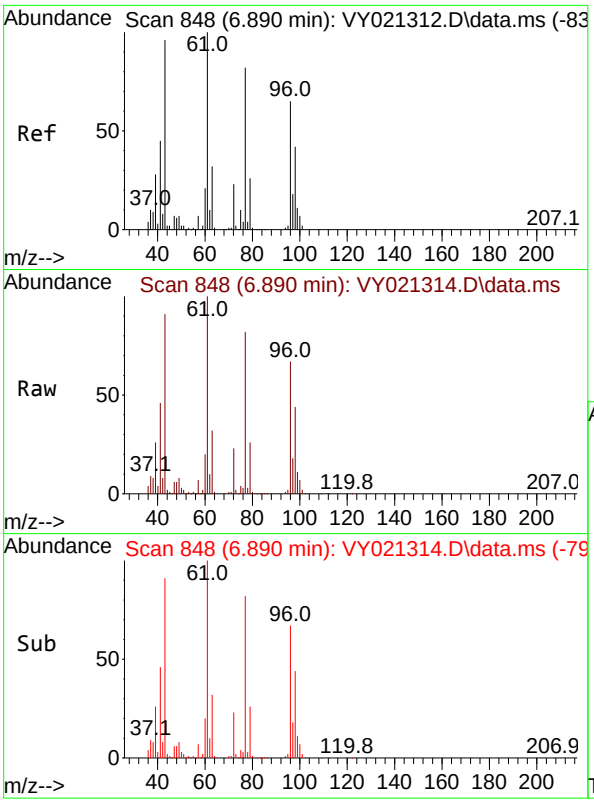


#24
1,1-Dichloroethane
Concen: 152.564 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 572832

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.7	11.1
100	4.5	2.1	6.5

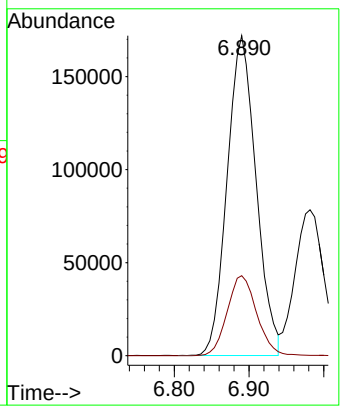




#25
2-Butanone
Concen: 780.449 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 46254

Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.0	28.6



Instrument :
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ClientSampleId :
VSTDICC150

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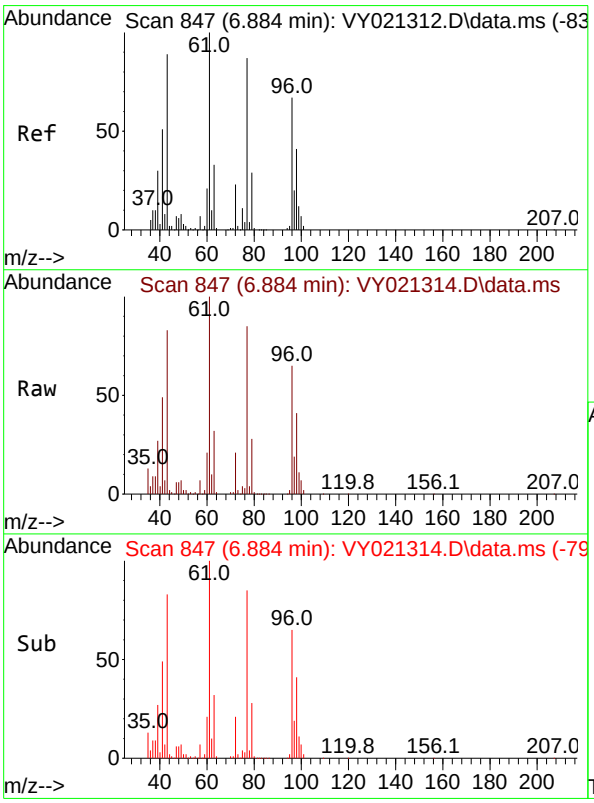
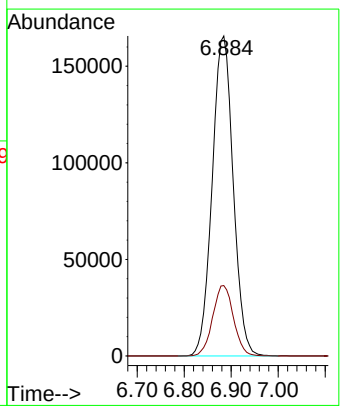
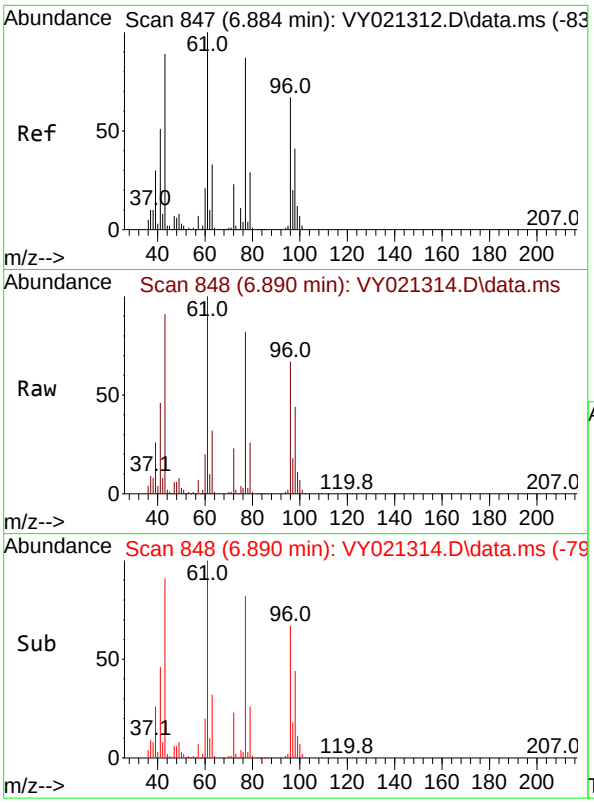


#26
2,2-Dichloropropane
Concen: 151.214 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 77 Resp: 515178

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

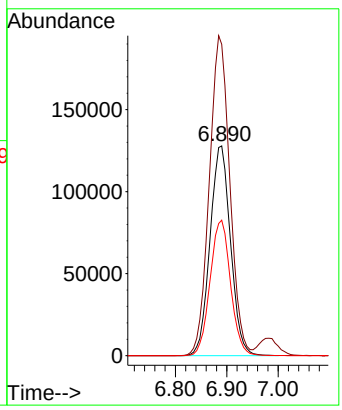




#27
cis-1,2-Dichloroethene
Concen: 155.519 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 354979

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	308.0
98	64.4	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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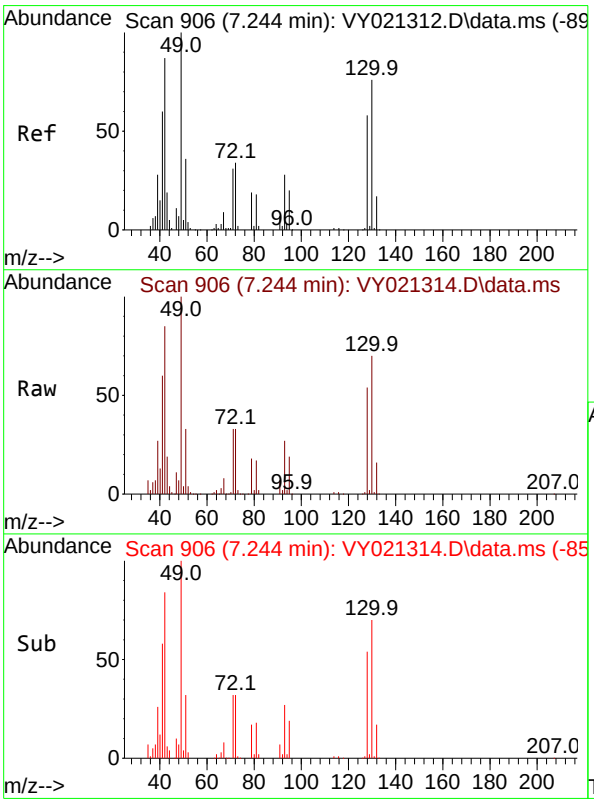
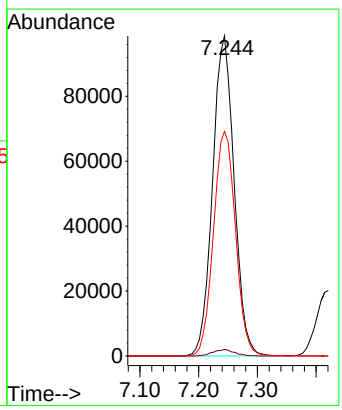
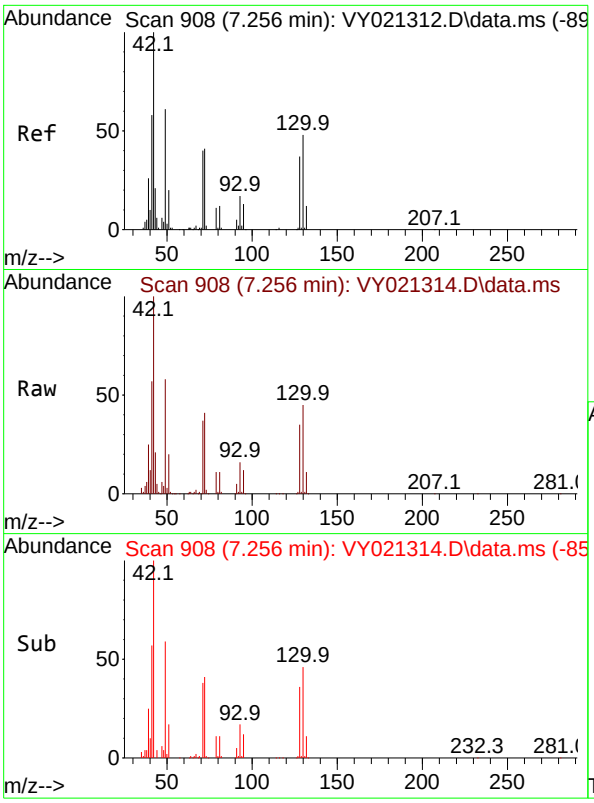


#28
Bromochloromethane
Concen: 151.227 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 49 Resp: 251245

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.7	57.8	86.6

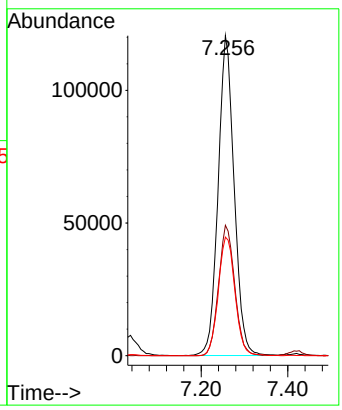




#29
Tetrahydrofuran
Concen: 797.978 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 42 Resp: 30913

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.6	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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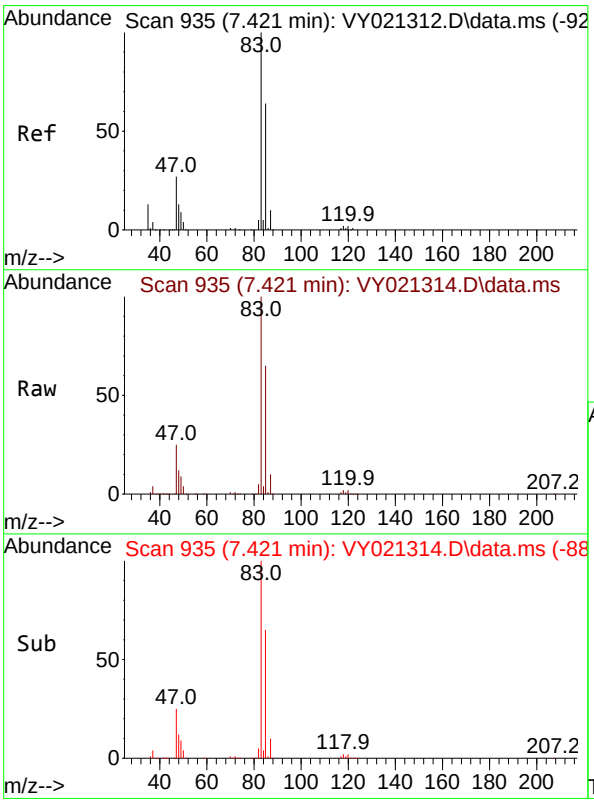
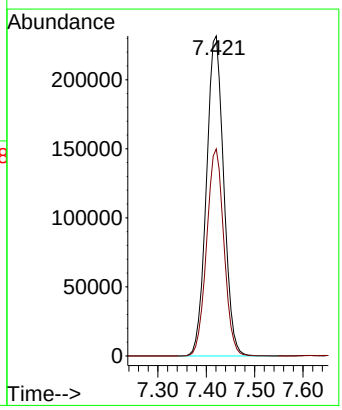
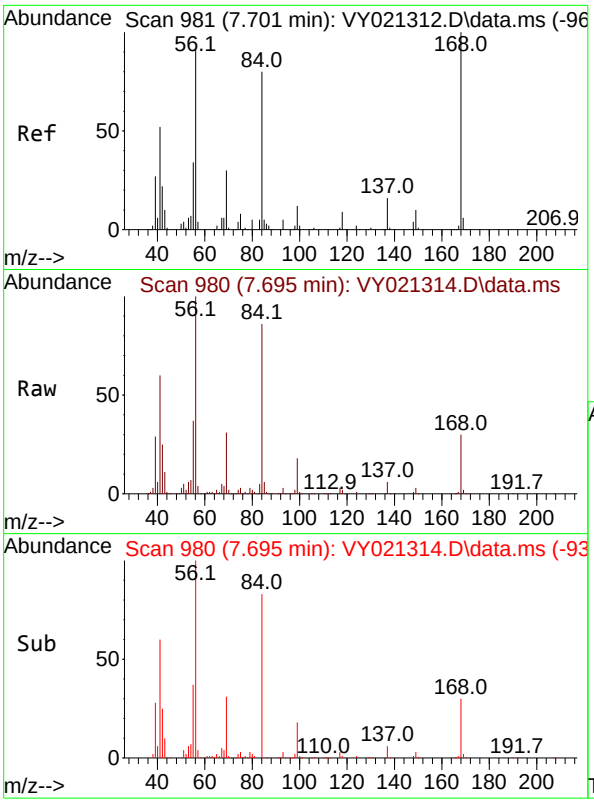


#30
Chloroform
Concen: 151.112 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 574920

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4





#31
Cyclohexane
Concen: 145.637 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 52563

Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	84.4	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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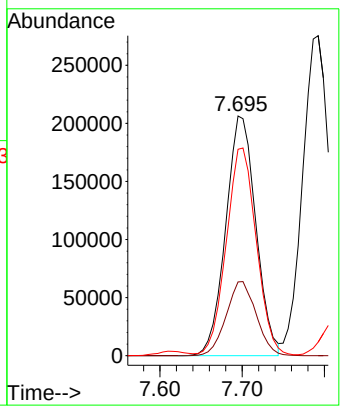
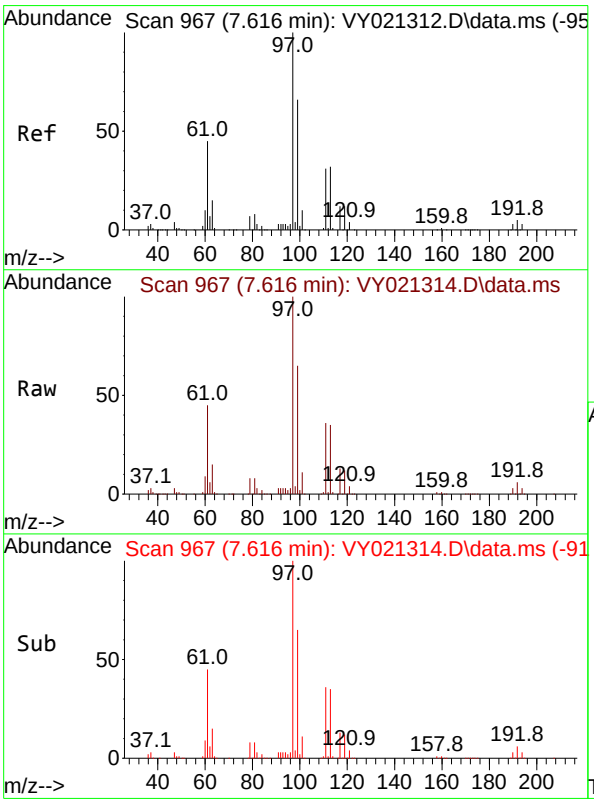
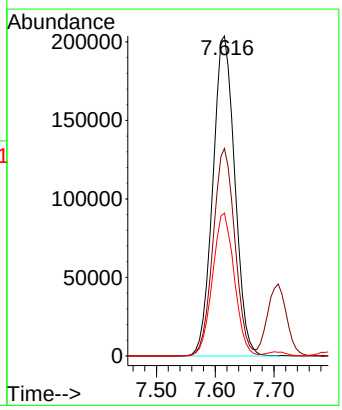


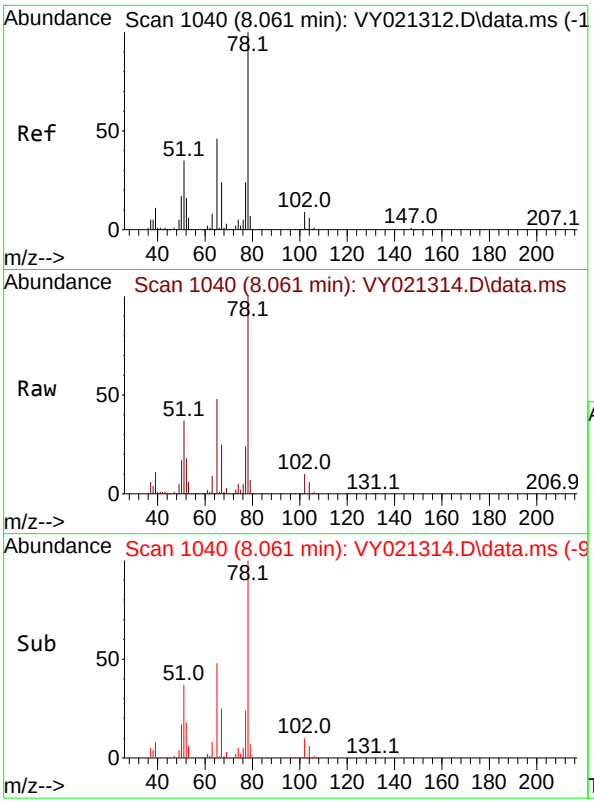


#32
1,1,1-Trichloroethane
Concen: 152.986 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 529792

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	44.4	36.2	54.2

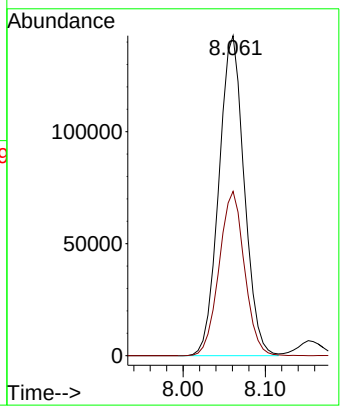




#33
1,2-Dichloroethane-d4
Concen: 149.582 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 65 Resp: 30621

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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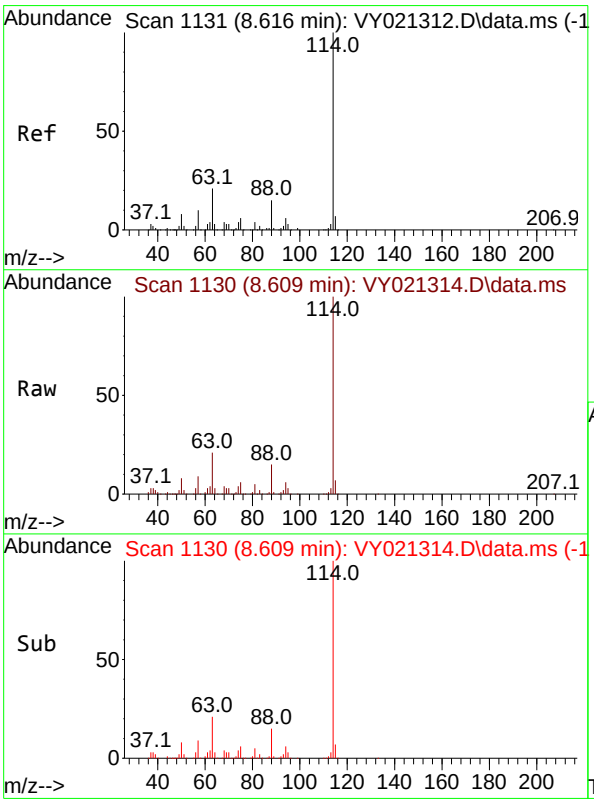
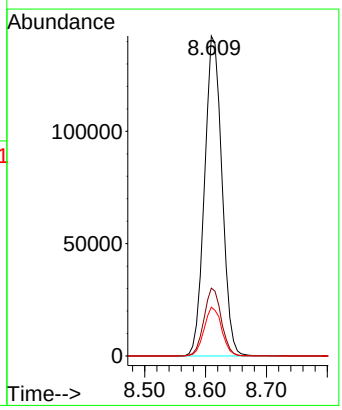
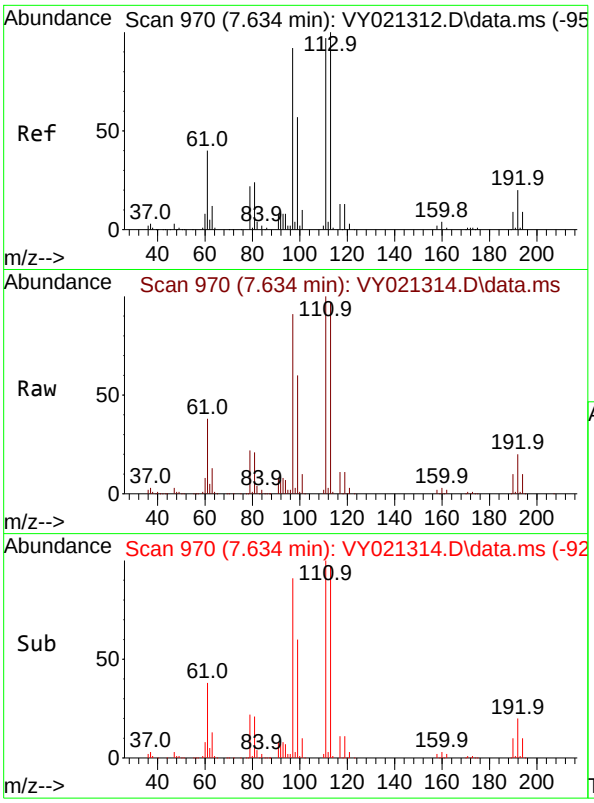


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:114 Resp: 283003

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8

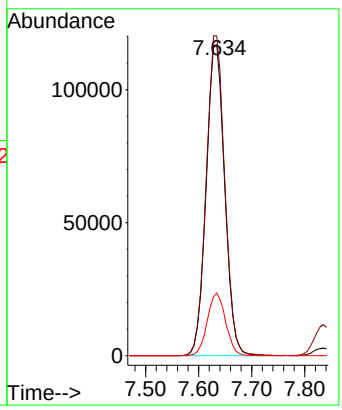




#35
Dibromofluoromethane
Concen: 152.818 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:113 Resp: 28353

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	19.9	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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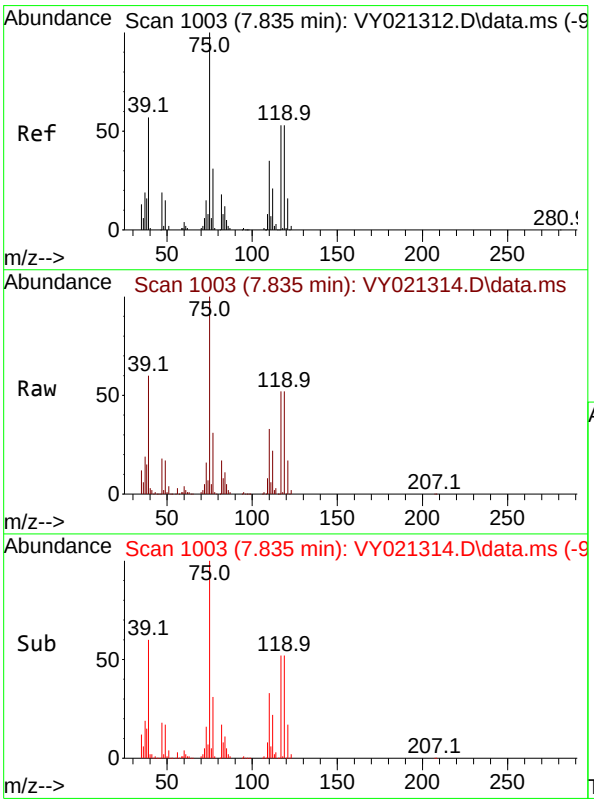
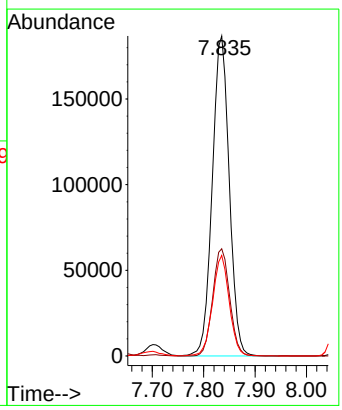
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

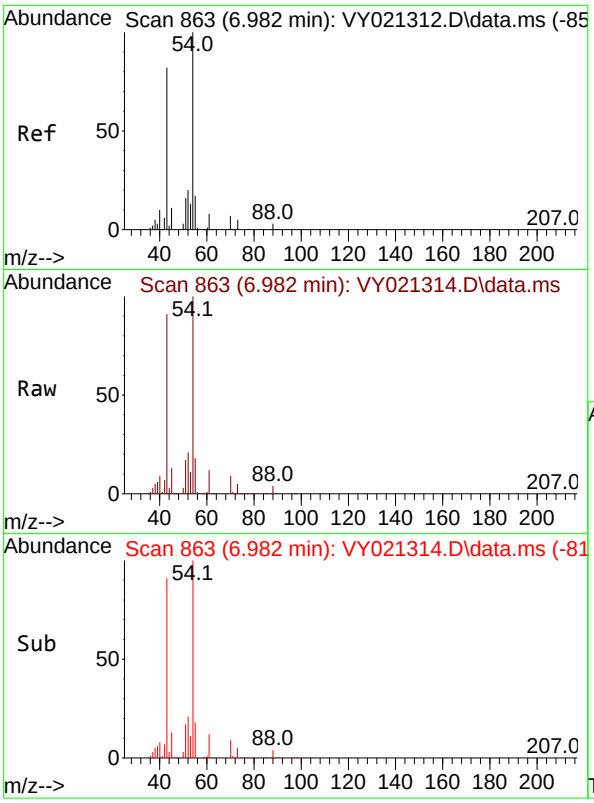


#36
1,1-Dichloropropene
Concen: 153.985 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 429157

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.8	24.6	36.8

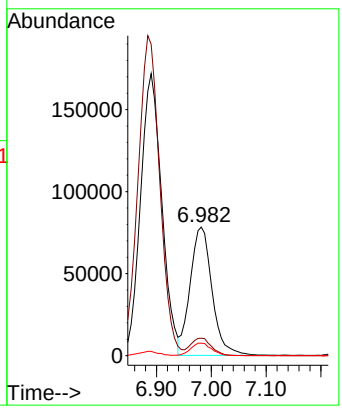




#37
Ethyl Acetate
Concen: 156.470 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 21692

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.4	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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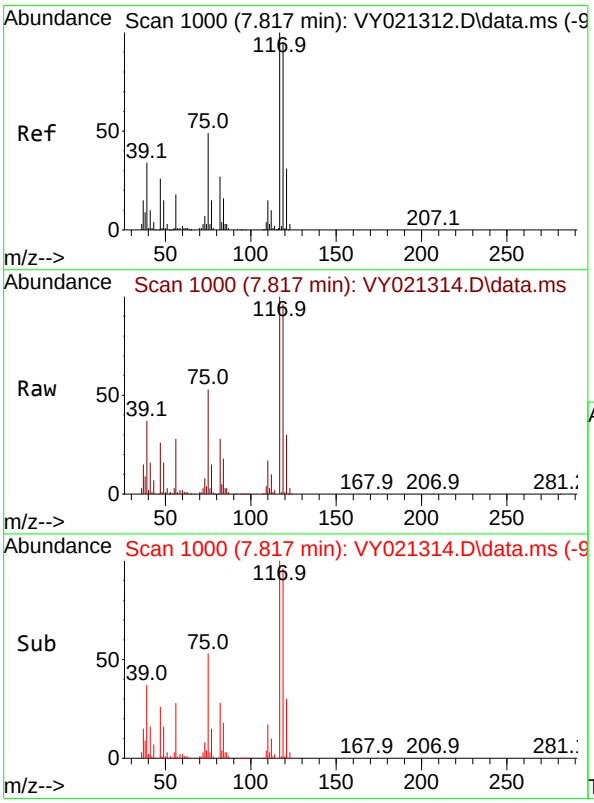
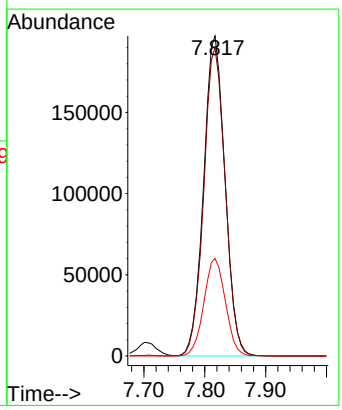
Supervised By :Mahesh Dadoda 02/26/2025

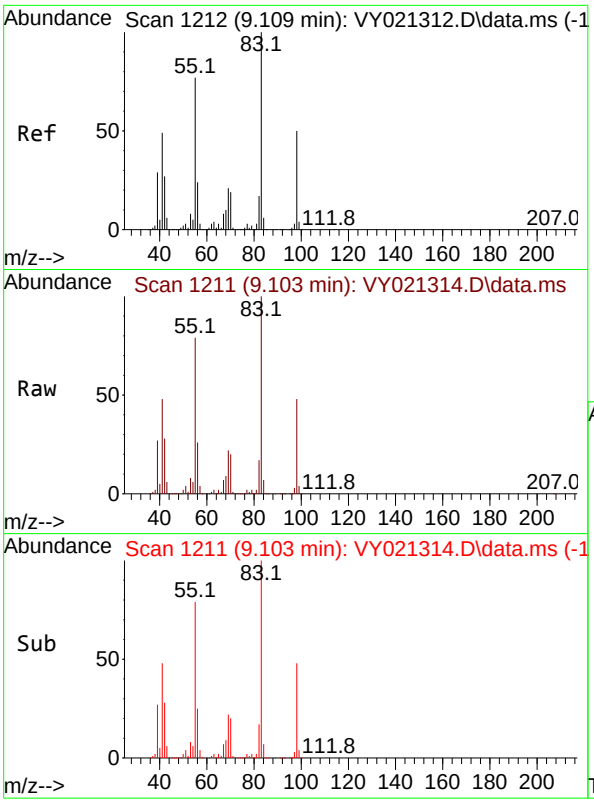


#38
Carbon Tetrachloride
Concen: 153.764 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 481774

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.0	114.0
121	30.5	24.9	37.3

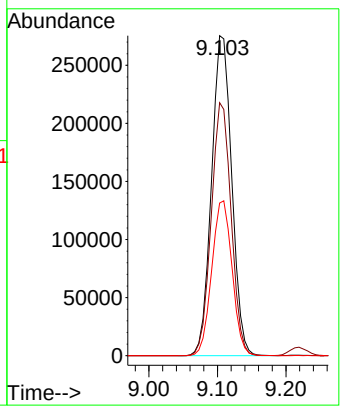




#39
Methylcyclohexane
Concen: 159.752 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 56313

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.3	91.9
98	47.7	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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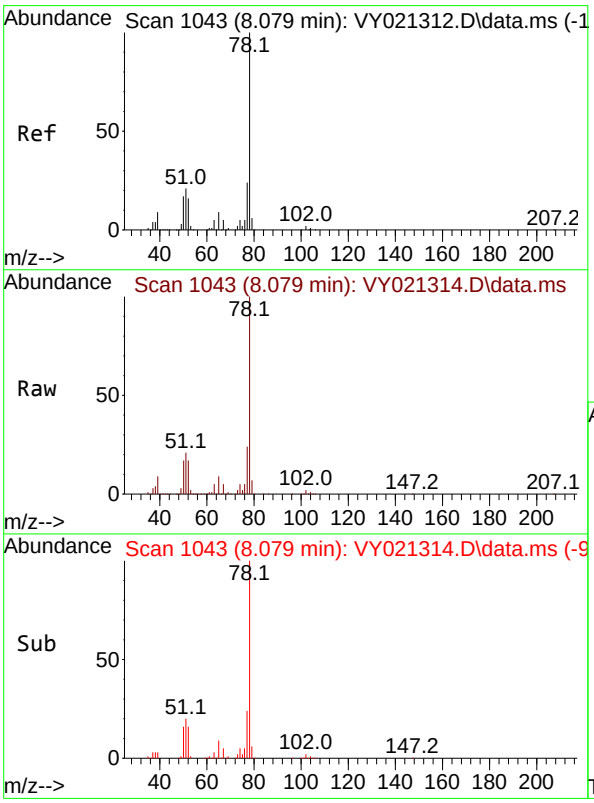
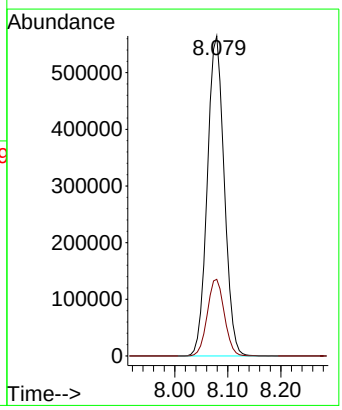
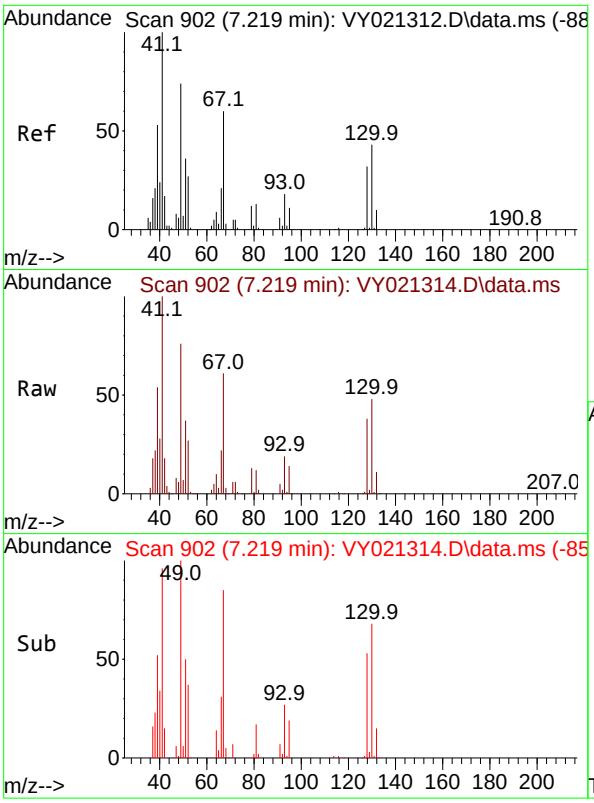


#40
Benzene
Concen: 151.673 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 78 Resp: 1249573

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

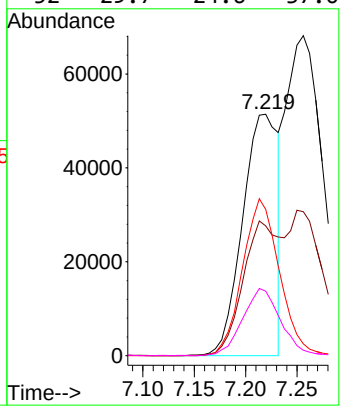




#41
Methacrylonitrile
Concen: 159.542 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 12366

Ion	Ratio	Lower	Upper
41	100		
39	61.3	42.3	63.5
67	67.7	54.8	82.2
52	29.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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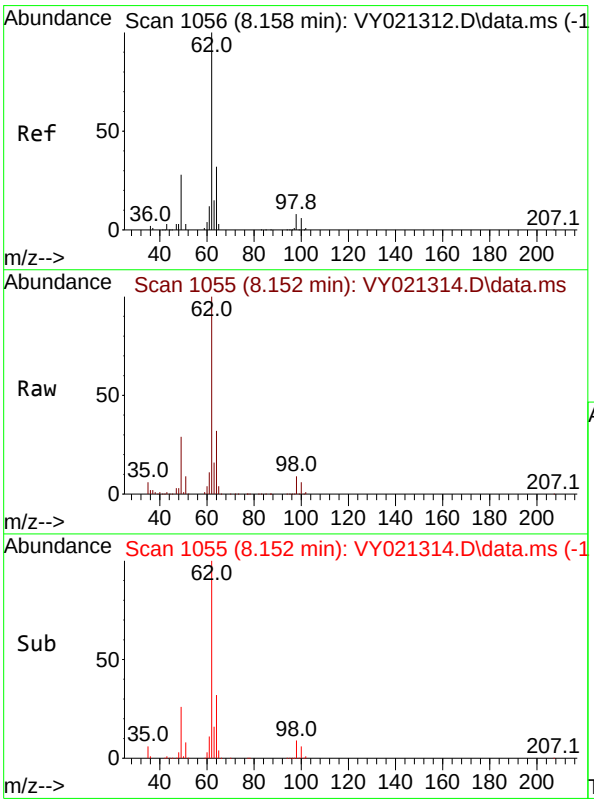
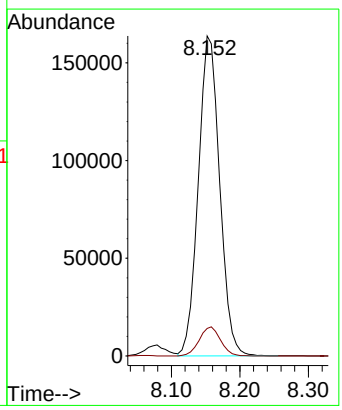
Supervised By :Mahesh Dadoda 02/26/2025

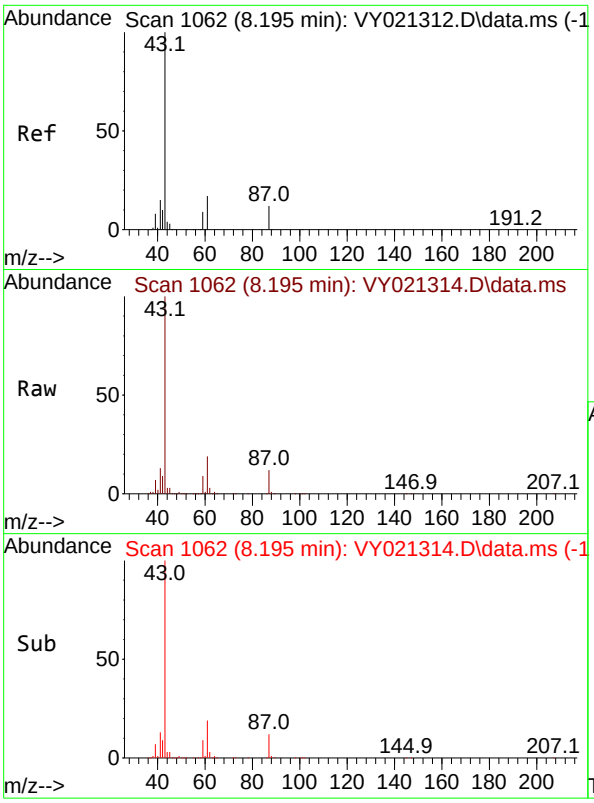


#42
1,2-Dichloroethane
Concen: 152.036 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 355374

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

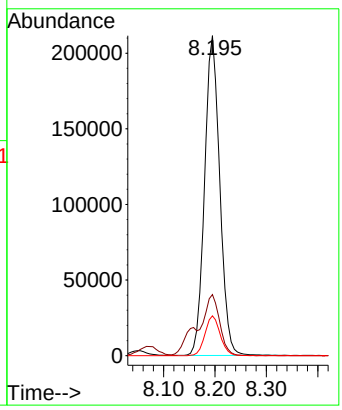




#43
Isopropyl Acetate
Concen: 161.641 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 43374

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.0	22.6
87	12.4	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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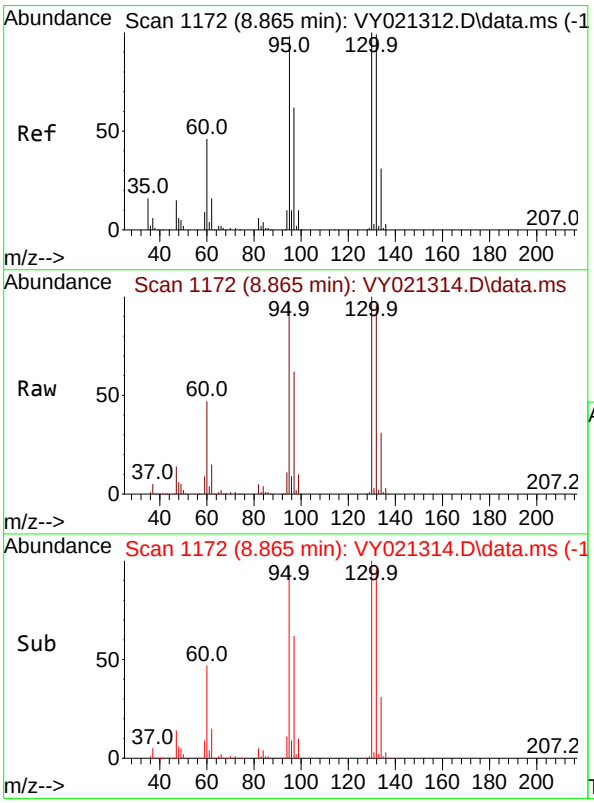
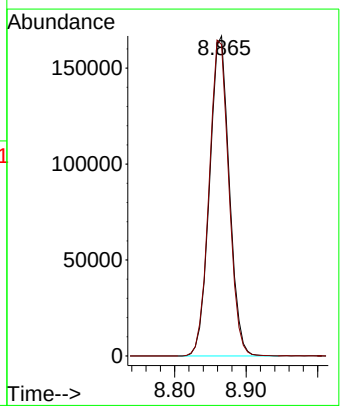
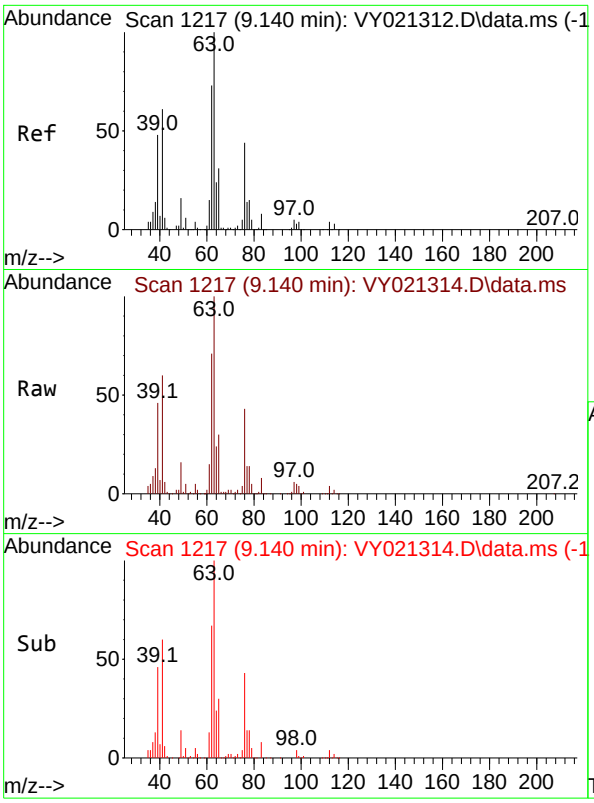


#44
Trichloroethene
Concen: 154.457 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:130 Resp: 318590

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	196.0

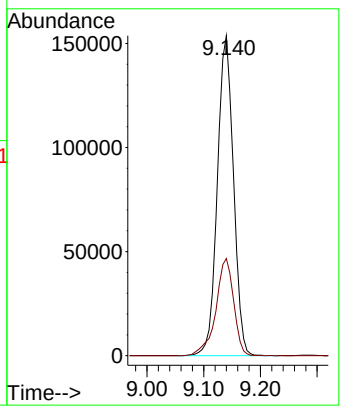




#45
1,2-Dichloropropane
Concen: 152.809 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 30296

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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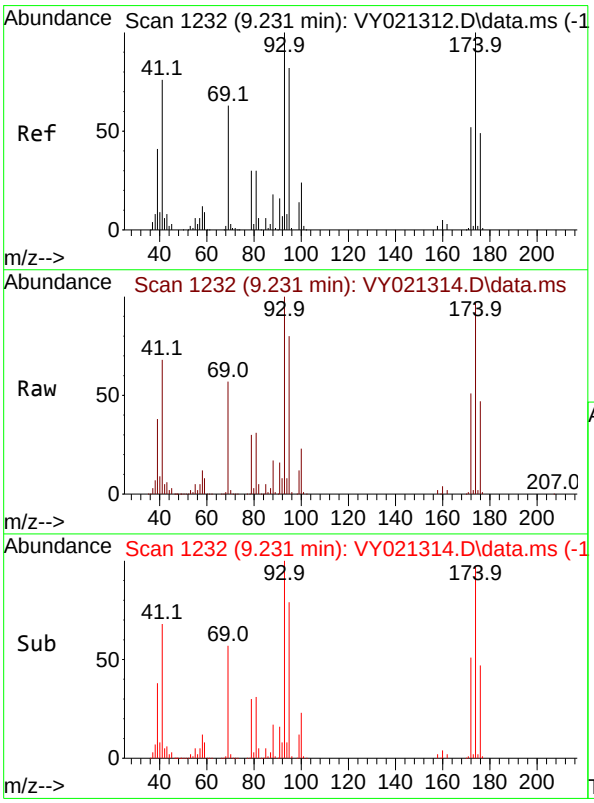
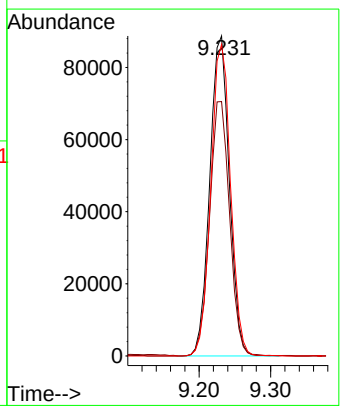
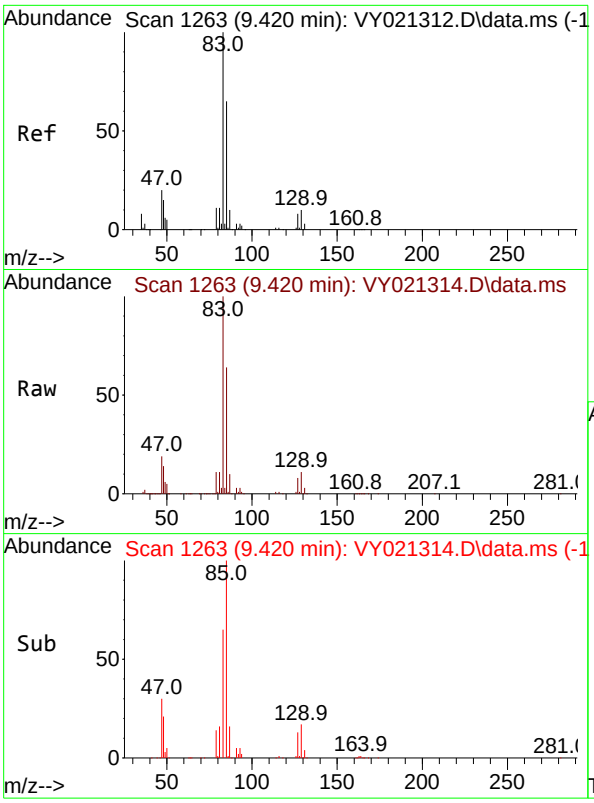


#46
Dibromomethane
Concen: 155.620 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 93 Resp: 168654

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	98.2	78.2	117.2

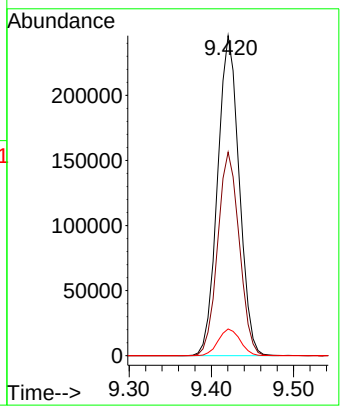




#47
Bromodichloromethane
Concen: 155.172 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 44839

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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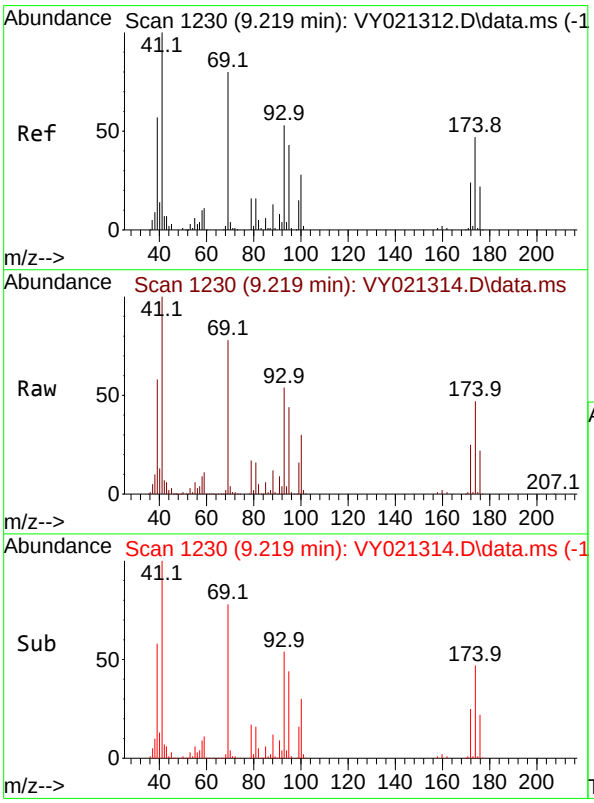
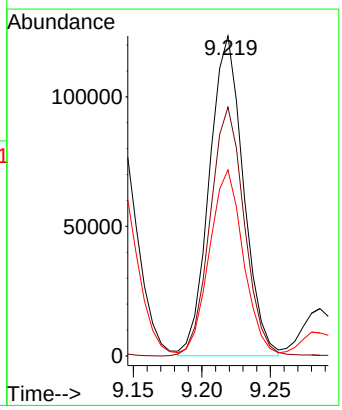
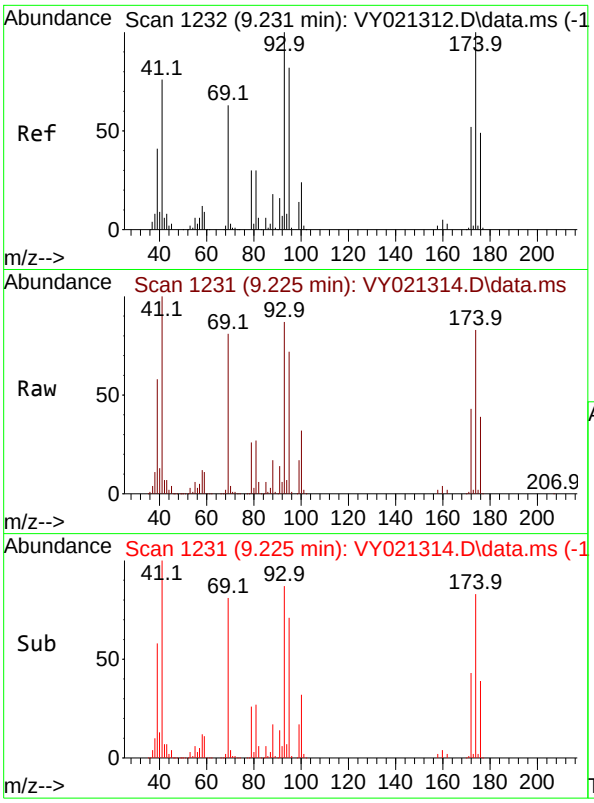


#48
Methyl methacrylate
Concen: 169.923 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 213222

Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.3	94.9
39	56.2	45.0	67.6





#49
1,4-Dioxane
Concen: 3165.209 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 88 Resp: 3814

Ion	Ratio	Lower	Upper
88	100		
43	38.4	34.8	52.2
58	68.6	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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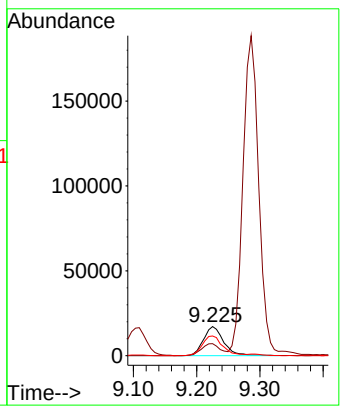
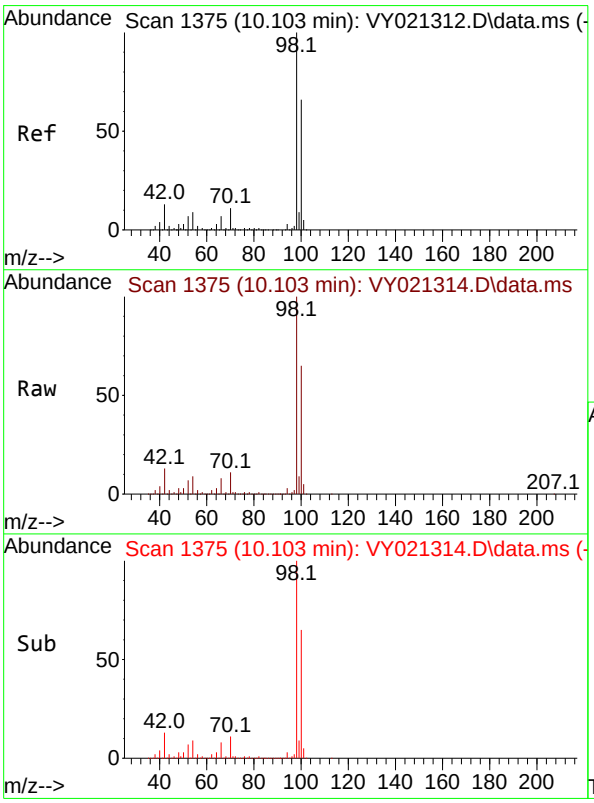
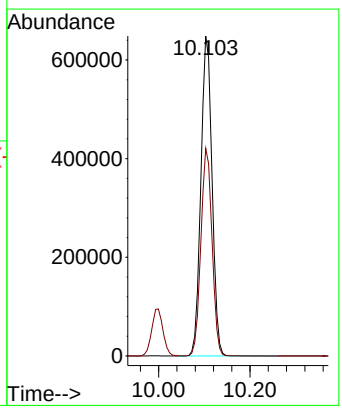


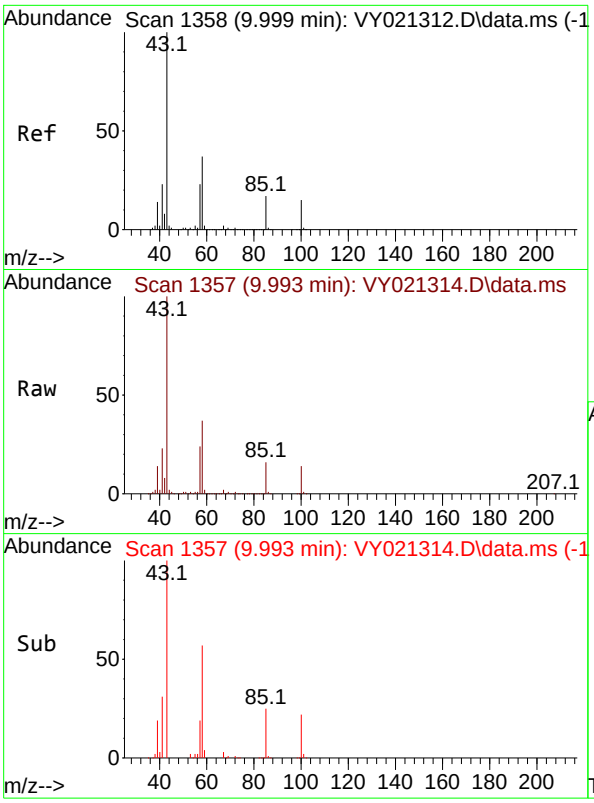


#50
Toluene-d8
Concen: 152.682 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 98 Resp: 1094820

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6

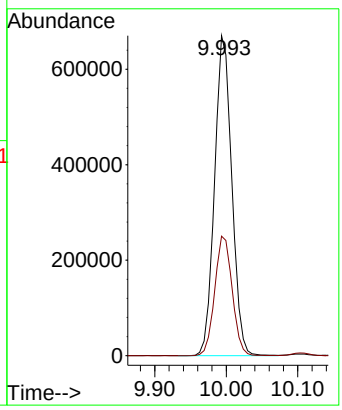




#51
4-Methyl-2-Pentanone
Concen: 816.471 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 112150

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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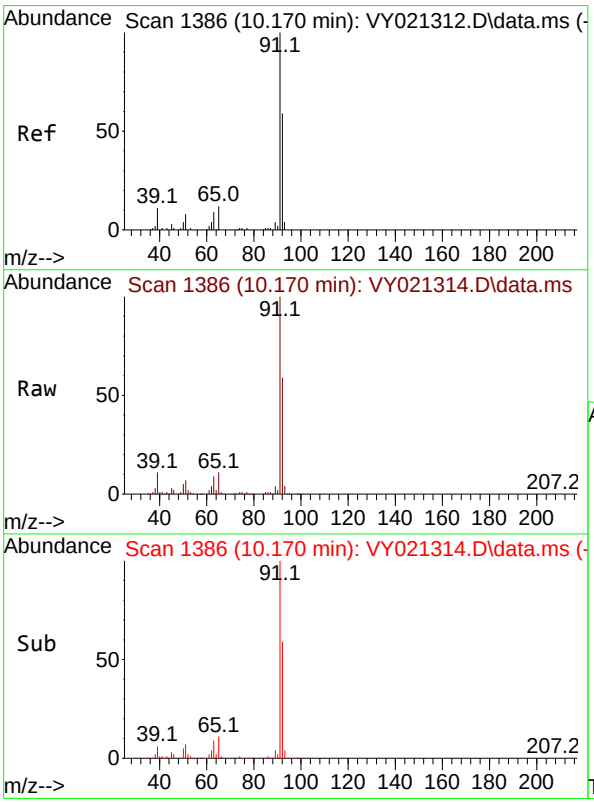
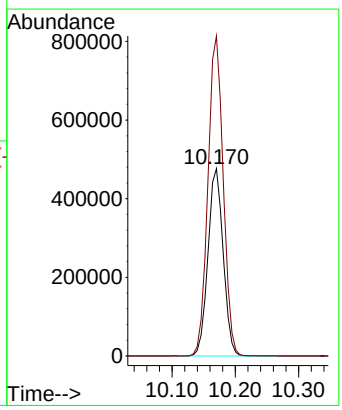
Supervised By :Mahesh Dadoda 02/26/2025

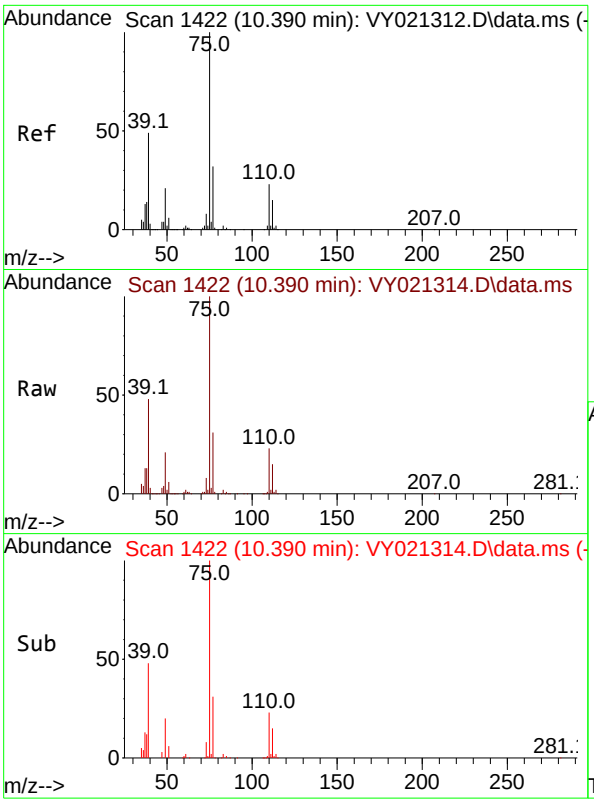


#52
Toluene
Concen: 155.232 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 92 Resp: 794485

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.8	206.8

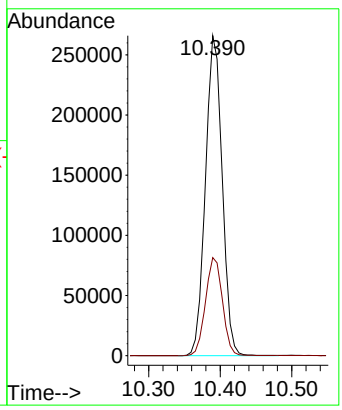




#53
t-1,3-Dichloropropene
Concen: 163.384 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 43256

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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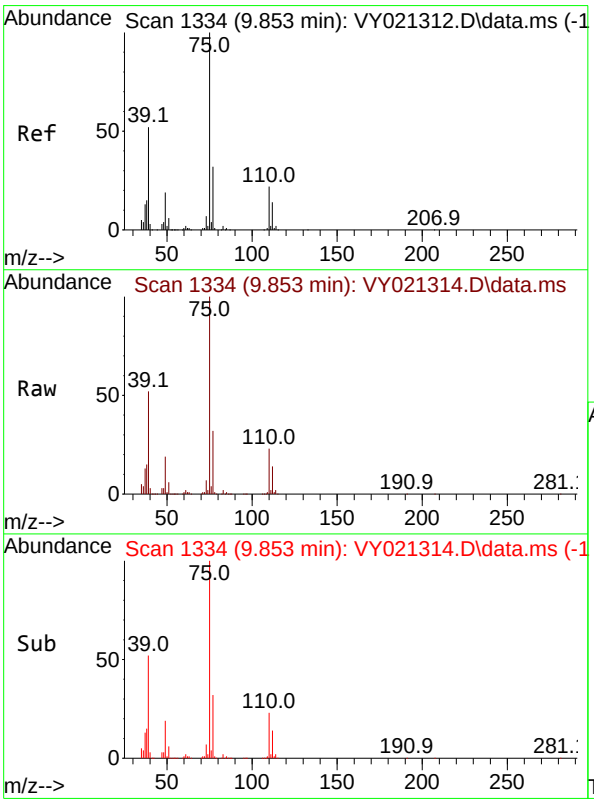
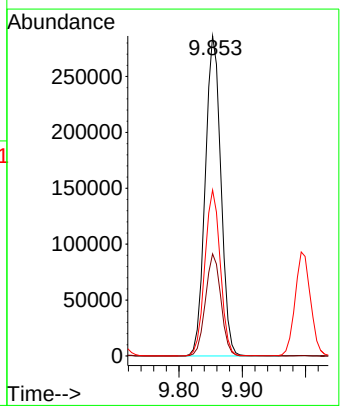
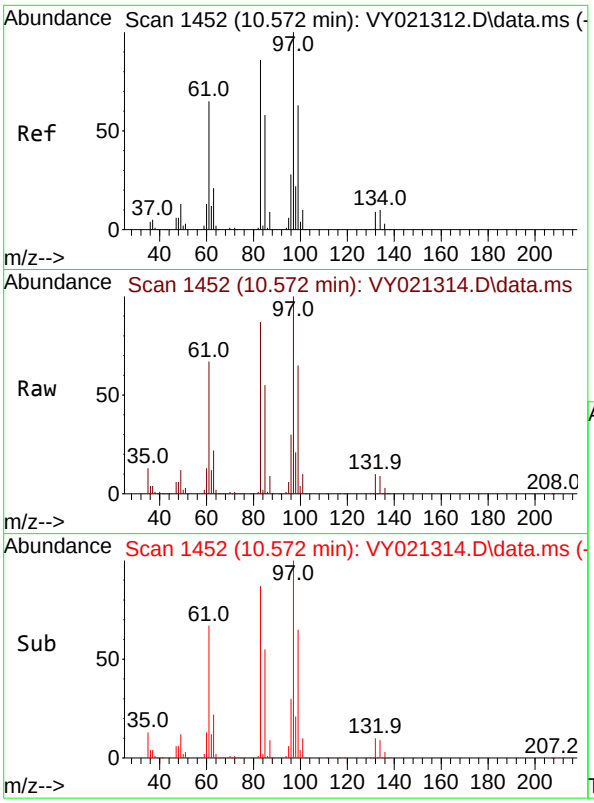


#54
cis-1,3-Dichloropropene
Concen: 157.928 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 493601

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	51.8	41.8	62.6

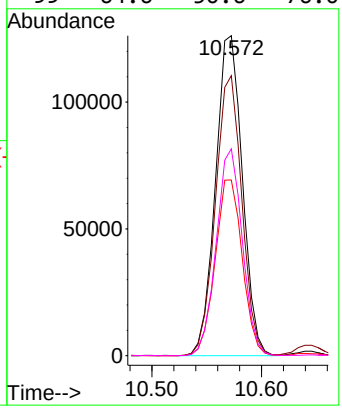




#55
1,1,2-Trichloroethane
Concen: 152.506 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 21531

Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.7	103.1
85	54.8	46.3	69.5
99	64.6	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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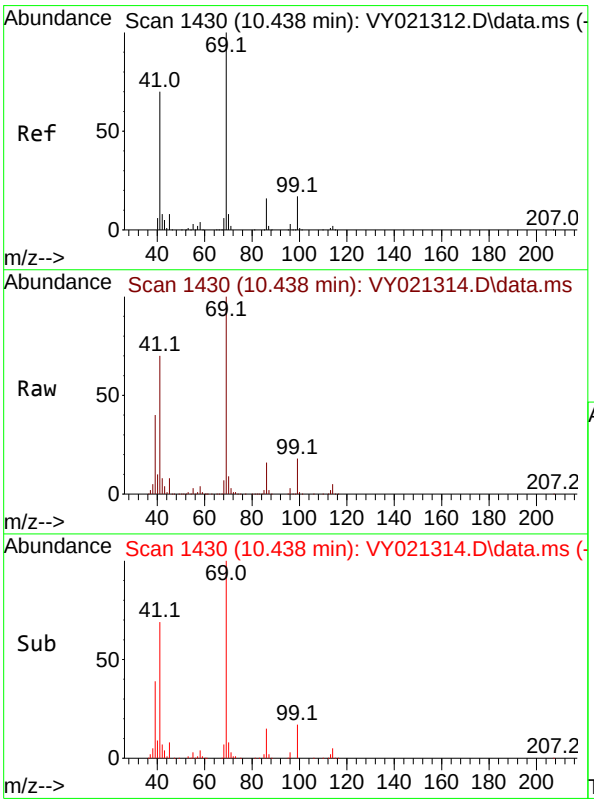
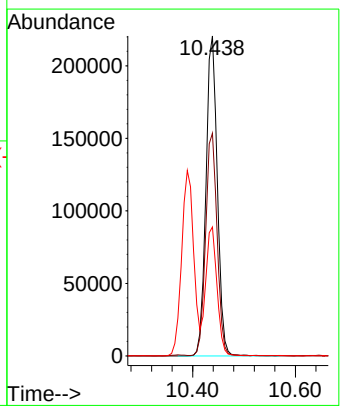
Supervised By :Mahesh Dadoda 02/26/2025

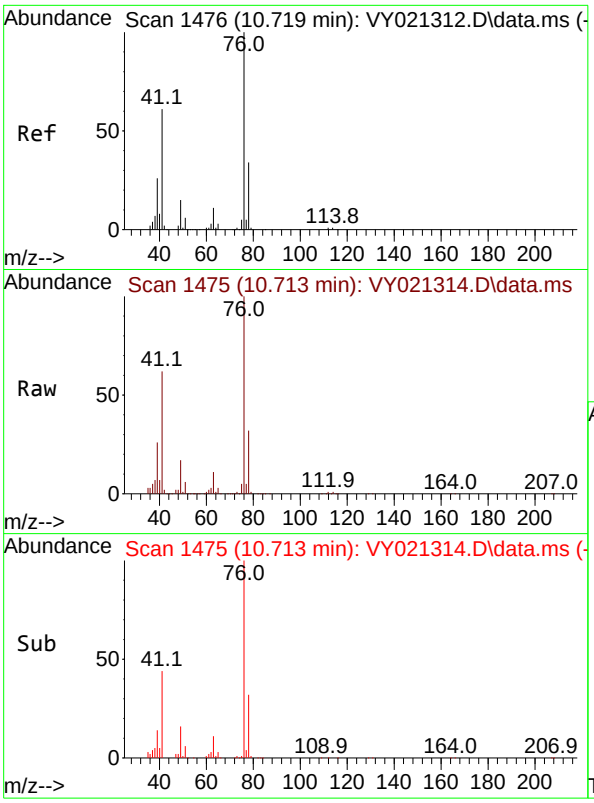


#56
Ethyl methacrylate
Concen: 173.168 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 69 Resp: 337816

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.0	32.7	49.1

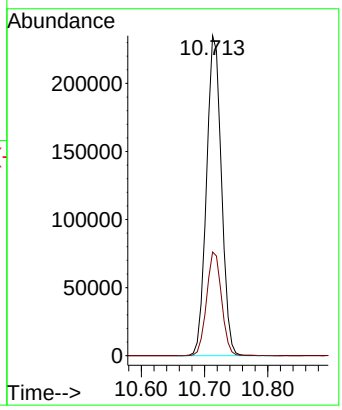




#57
1,3-Dichloropropane
Concen: 155.726 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 76 Resp: 38580

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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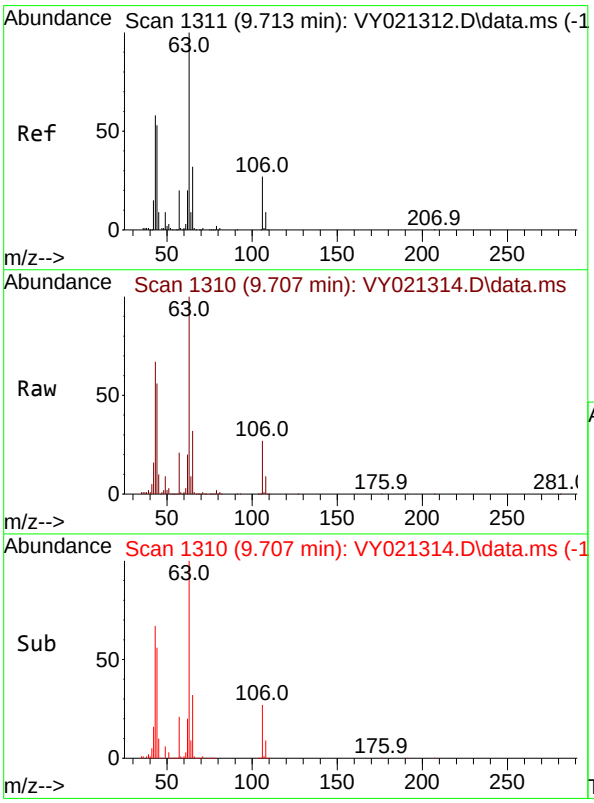
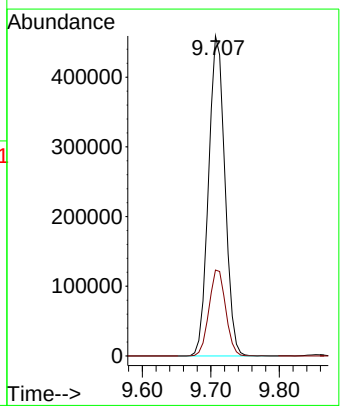
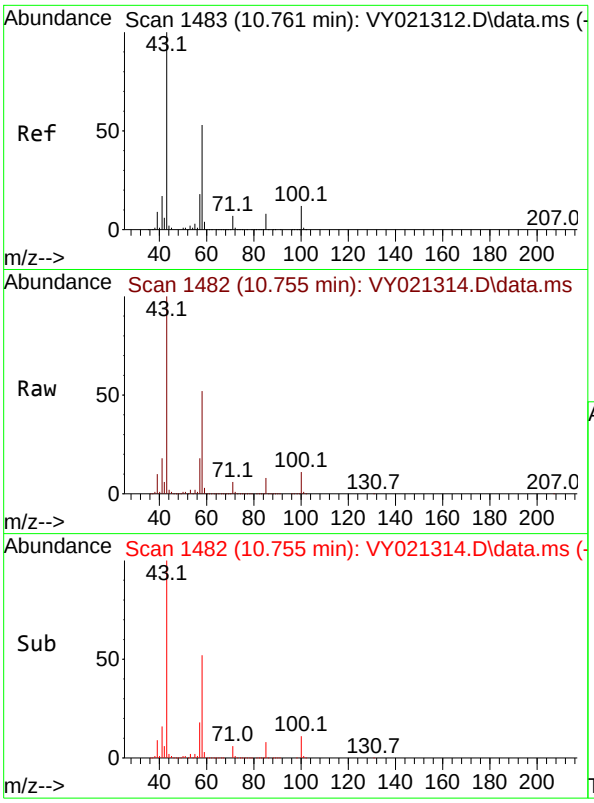


#58
2-Chloroethyl Vinyl ether
Concen: 812.859 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 761125

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.7	32.5

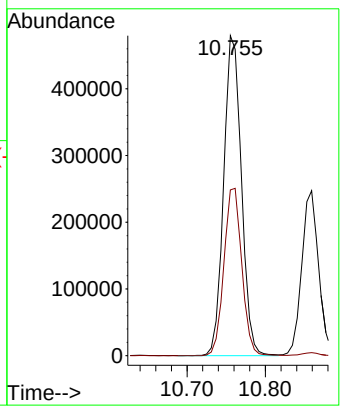




#59
2-Hexanone
Concen: 836.458 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 754575

Ion	Ratio	Lower	Upper
43	100		
58	52.8	25.9	77.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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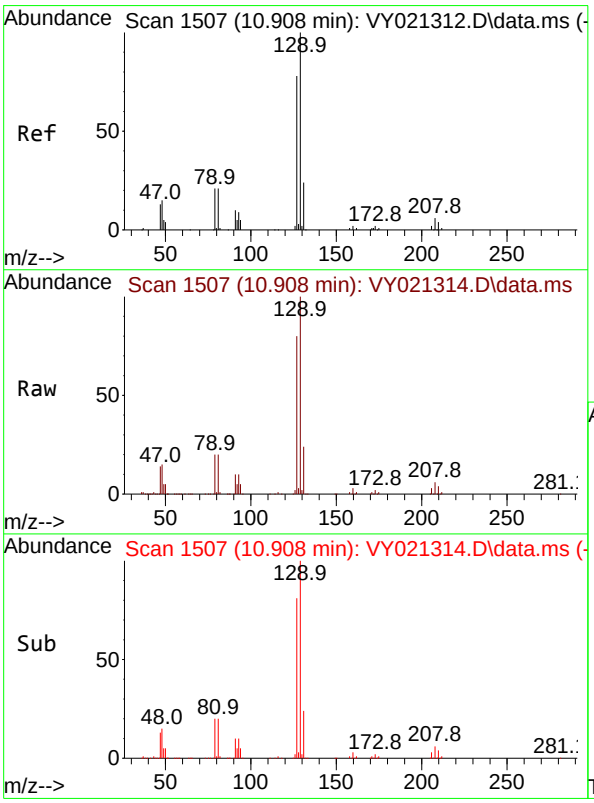
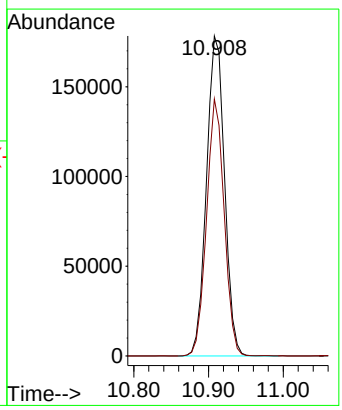
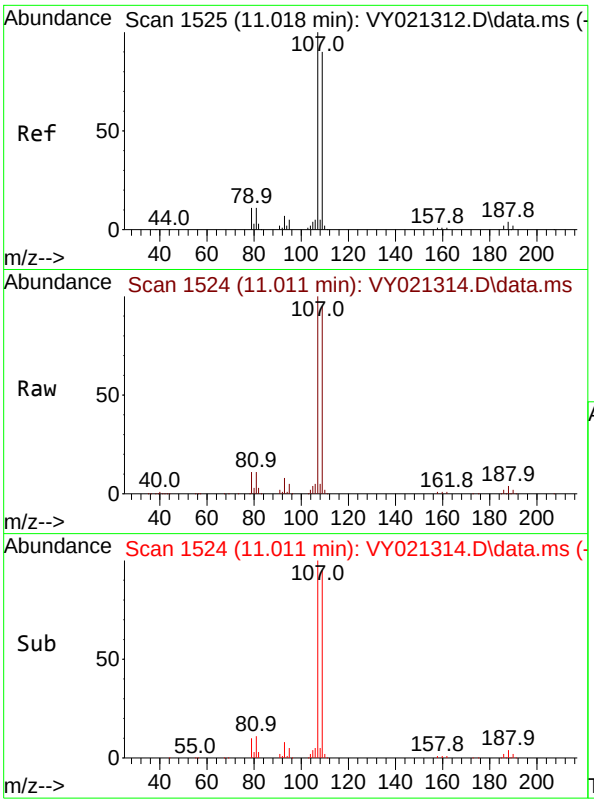


#60
Dibromochloromethane
Concen: 155.598 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:129 Resp: 299188

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.4

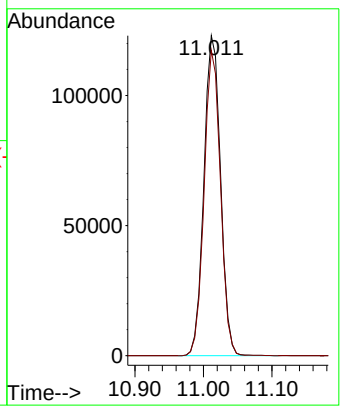




#61
1,2-Dibromoethane
Concen: 155.651 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:107 Resp: 20804

Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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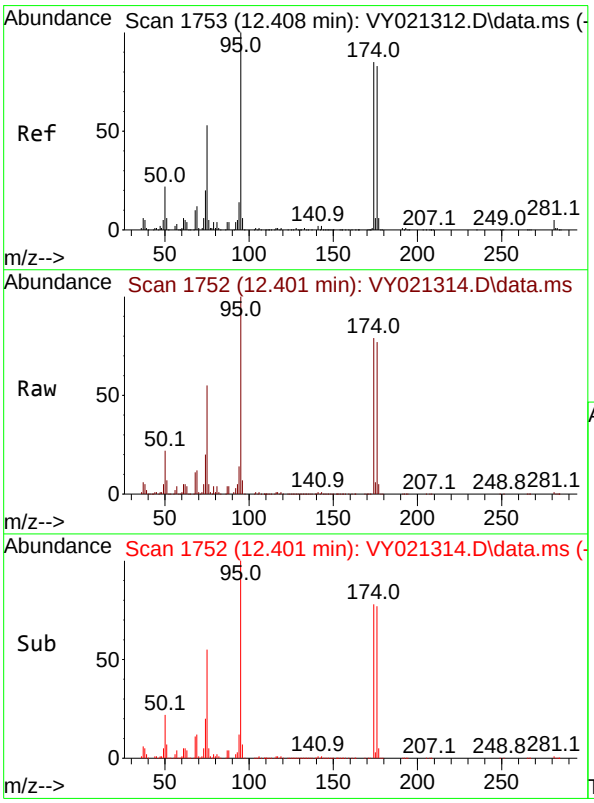
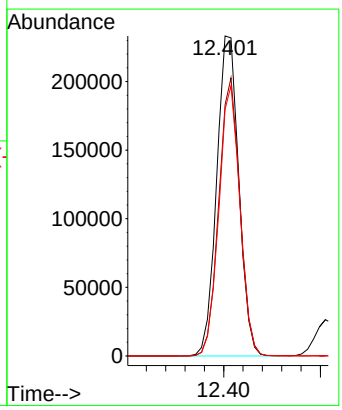
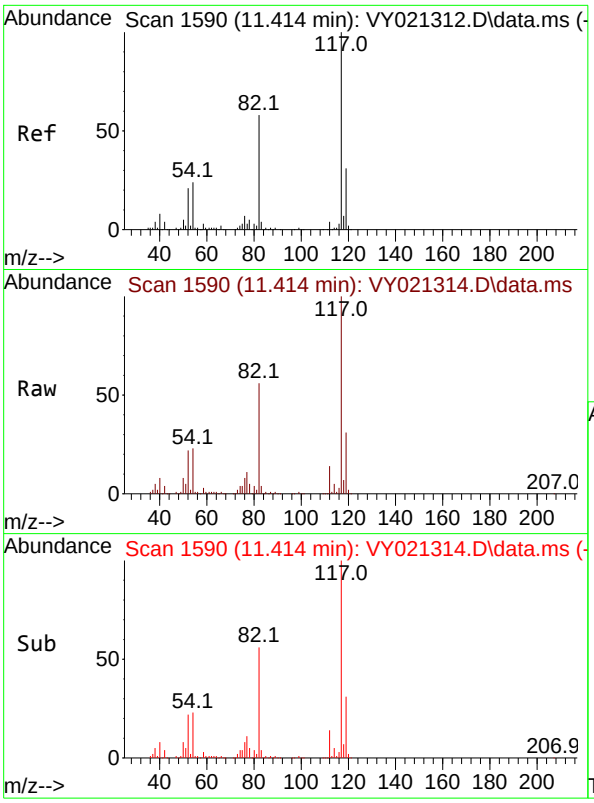


#62
4-Bromofluorobenzene
Concen: 152.937 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 95 Resp: 369071

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6

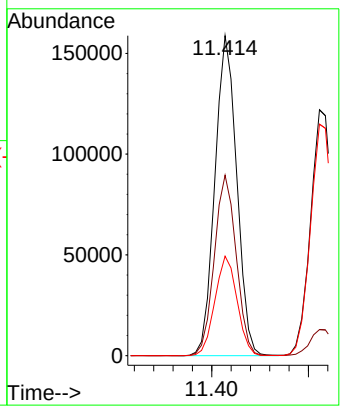




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 24849

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.2	69.4
119	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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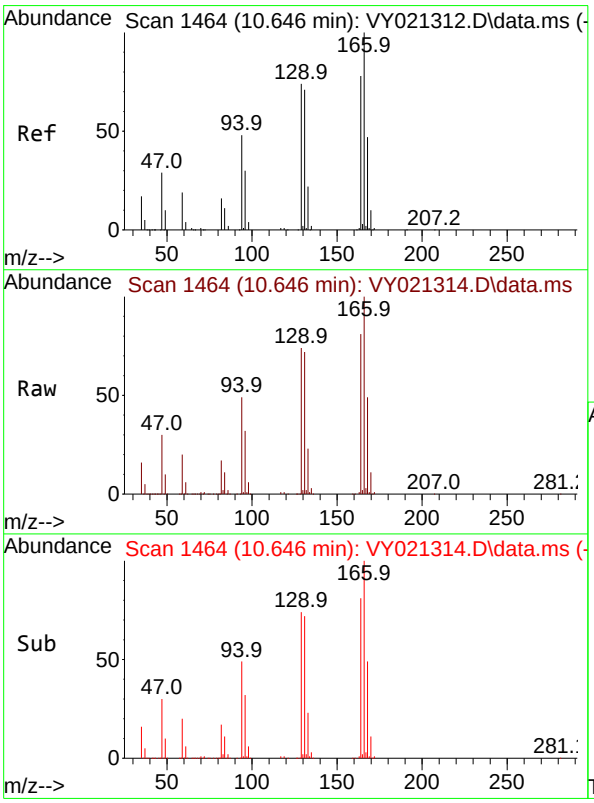
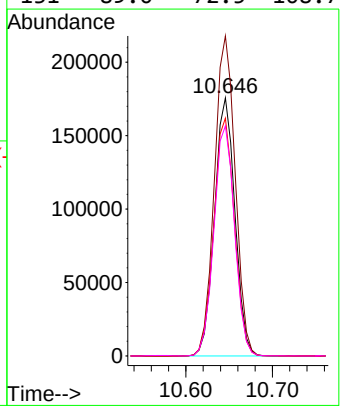
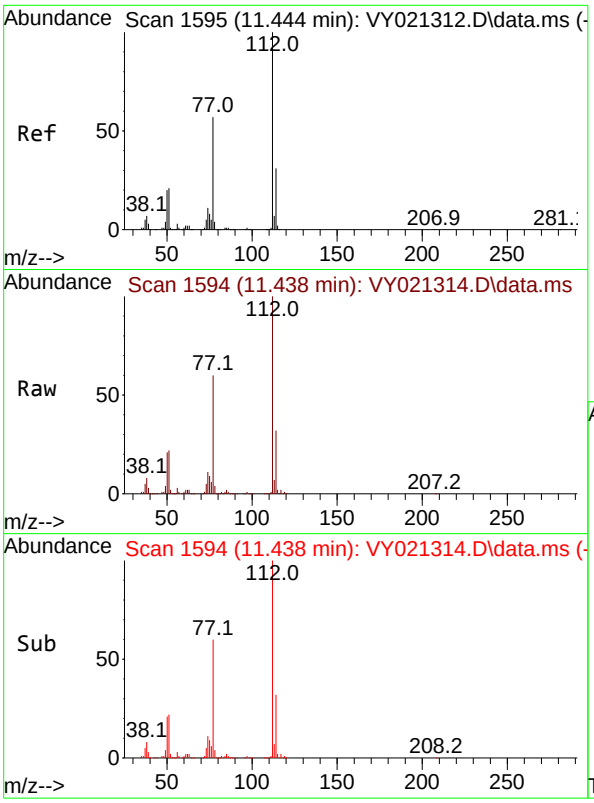


#64
Tetrachloroethene
Concen: 153.351 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:164 Resp: 288026

Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.9	152.9
129	92.1	75.5	113.3
131	89.0	72.5	108.7

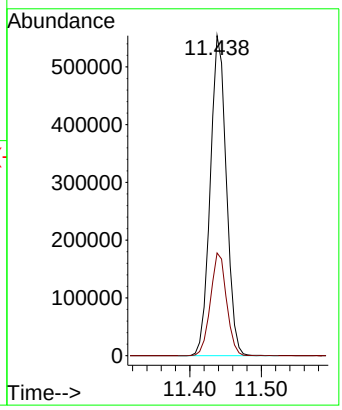




#65
Chlorobenzene
Concen: 154.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:112 Resp: 86367

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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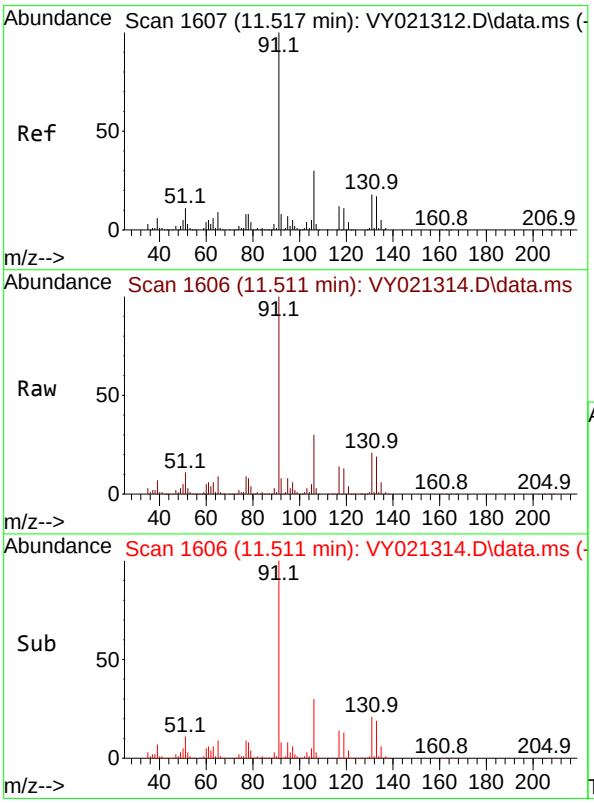
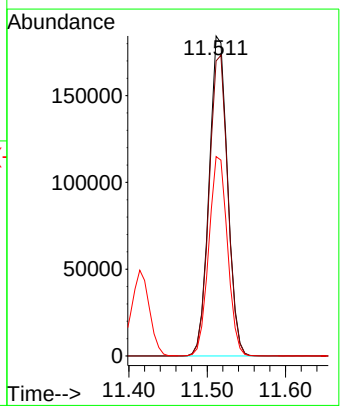
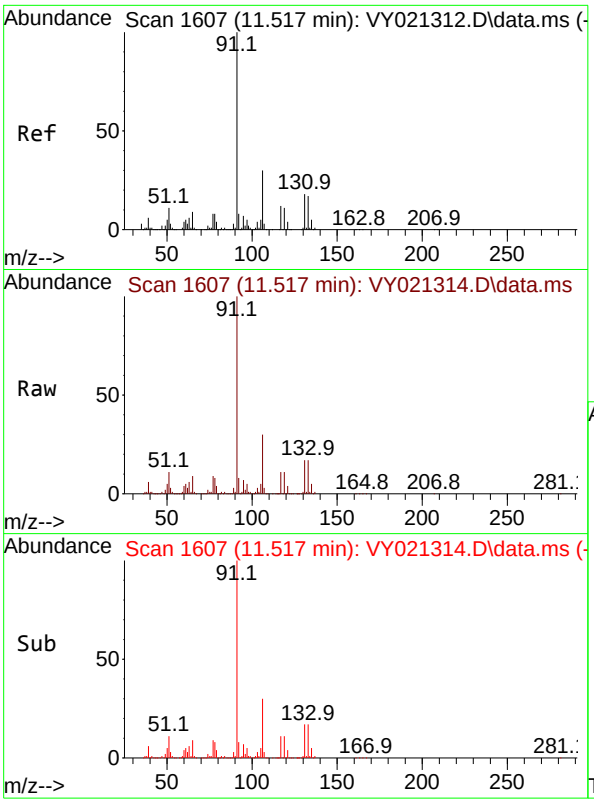


#66
1,1,1,2-Tetrachloroethane
Concen: 154.234 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:131 Resp: 301244

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.9	143.6
119	63.3	31.7	95.1

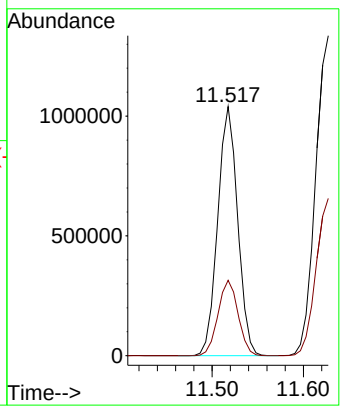




#67
Ethyl Benzene
Concen: 159.586 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 157674

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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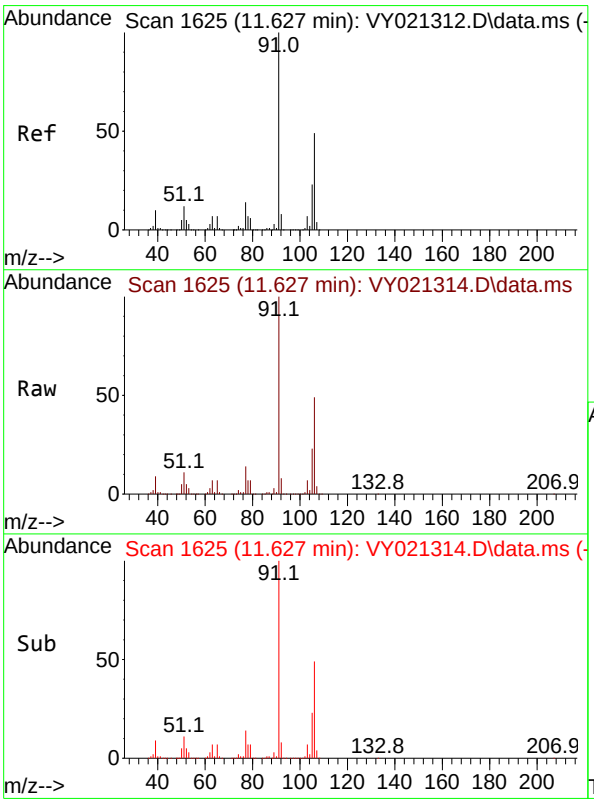
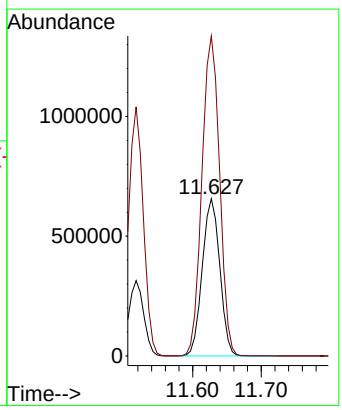
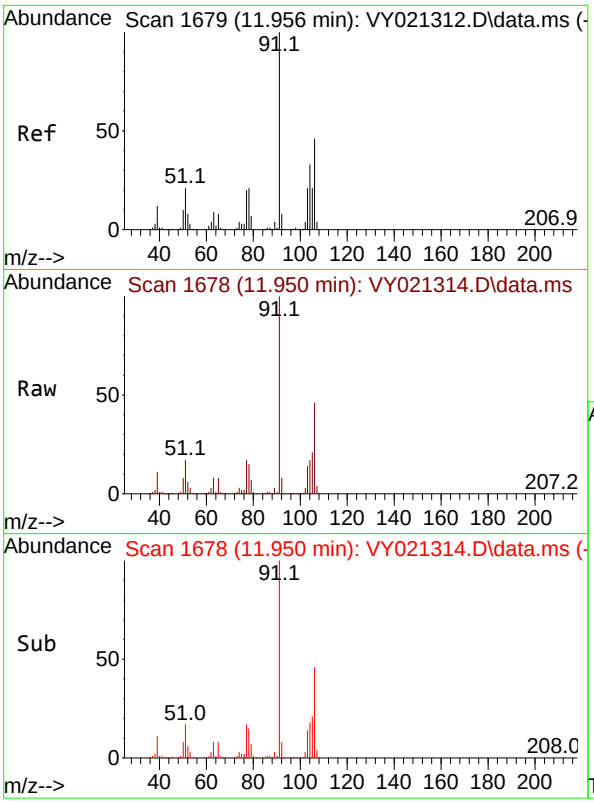


#68
m/p-Xylenes
Concen: 314.246 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 1167839

Ion	Ratio	Lower	Upper
106	100		
91	205.5	163.9	245.9





#69
o-Xylene
Concen: 158.258 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 55097

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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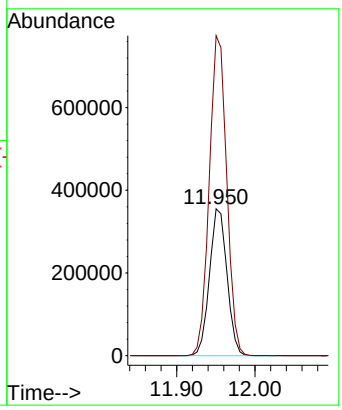
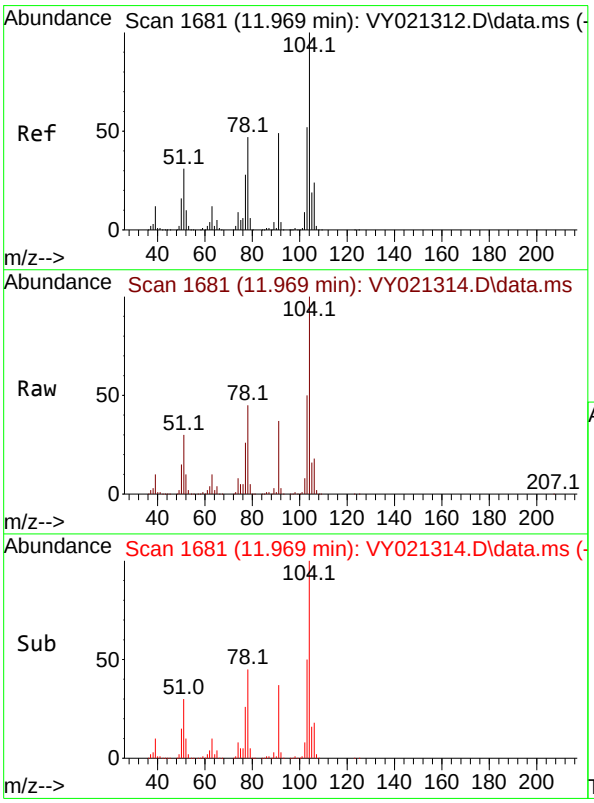
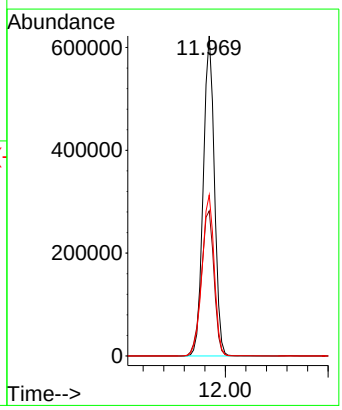


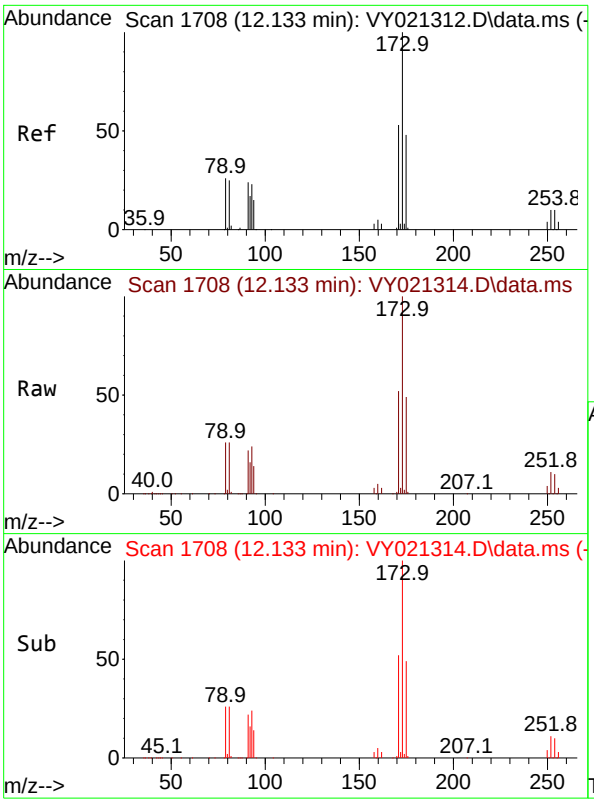


#70
Styrene
Concen: 161.754 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:104 Resp: 936967

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.3	61.9
103	55.0	43.9	65.9

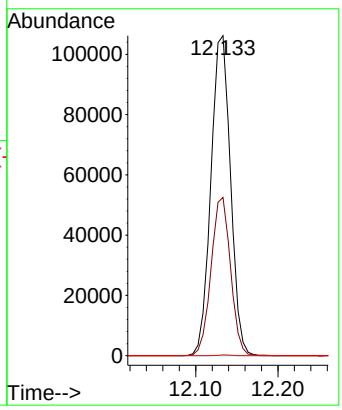




#71
Bromoform
Concen: 157.441 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:173 Resp: 17591

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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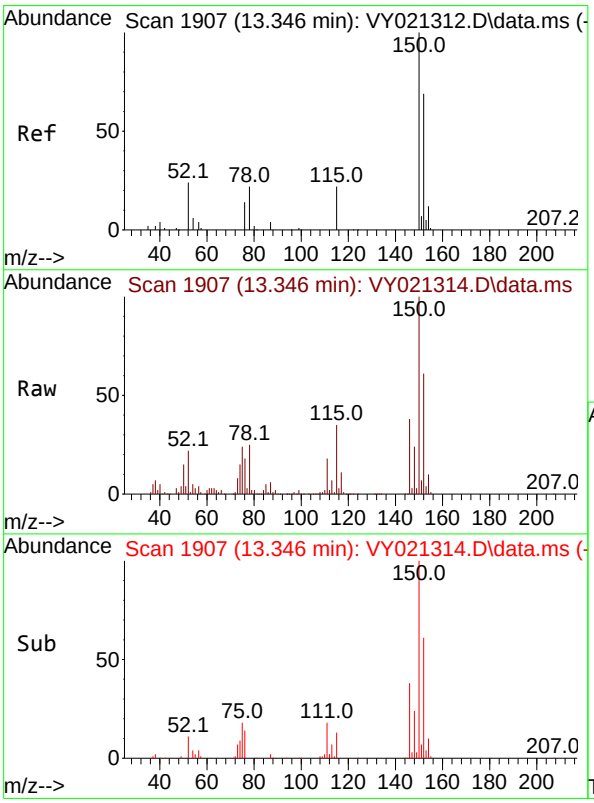
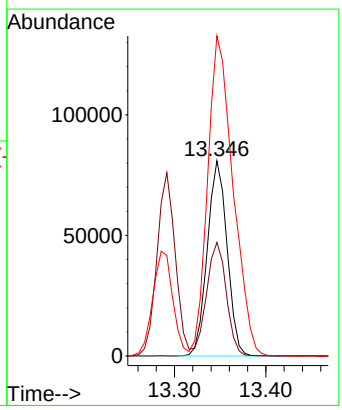
Supervised By :Mahesh Dadoda 02/26/2025

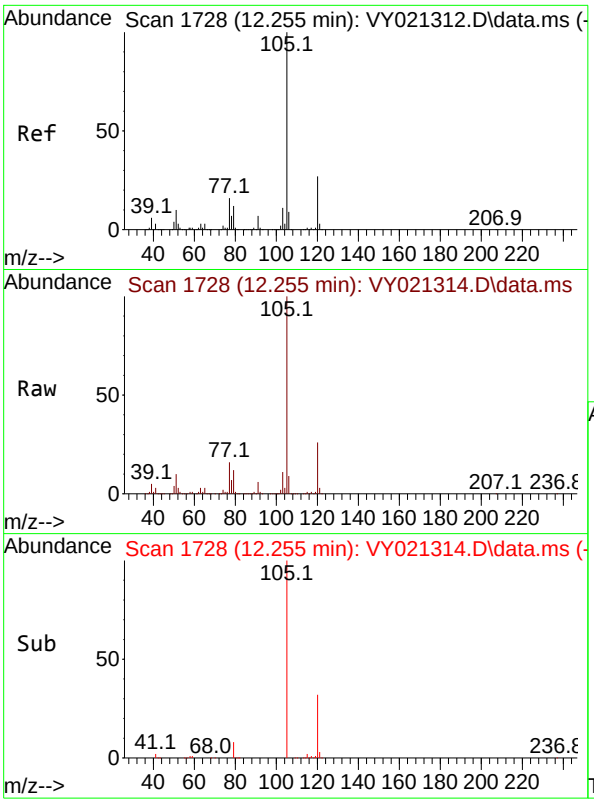


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:152 Resp: 121558

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	210.8	0.0	347.4

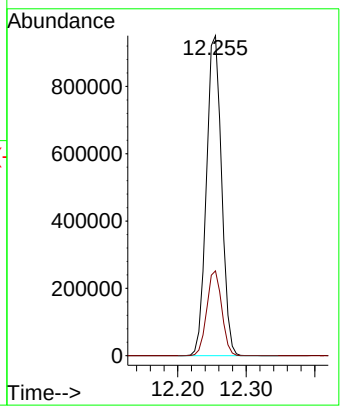




#73
Isopropylbenzene
Concen: 159.969 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 146190

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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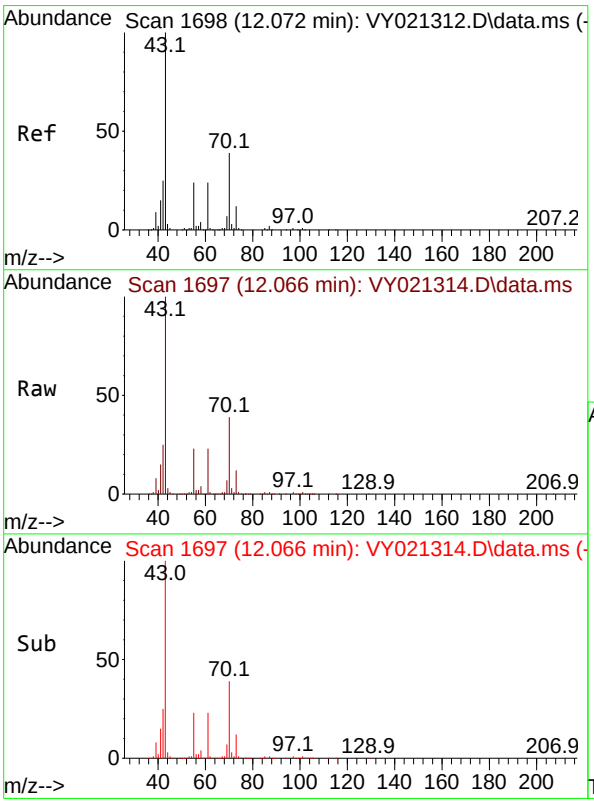
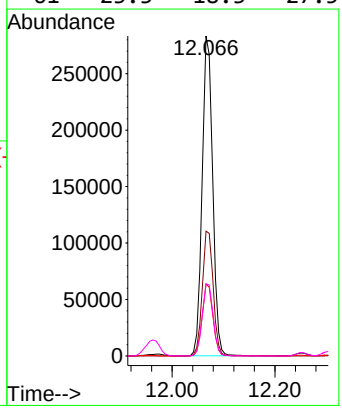
Supervised By :Mahesh Dadoda 02/26/2025

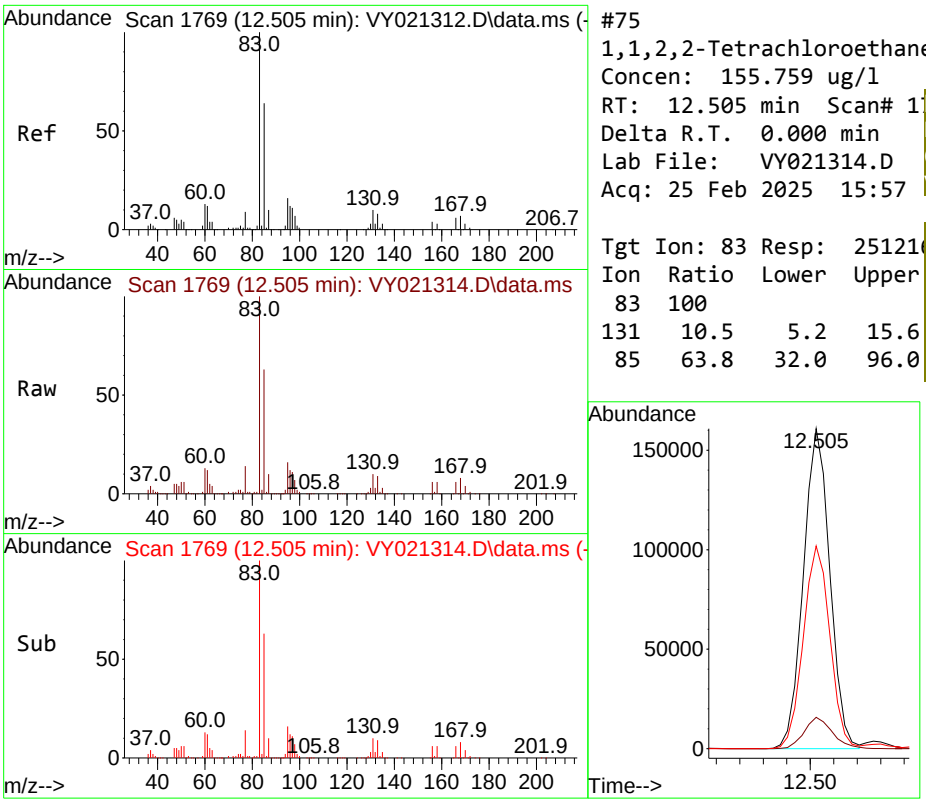


#74
N-amyl acetate
Concen: 173.596 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 403238

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	23.0	19.6	29.4
61	23.3	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 155.759 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 25121

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	63.8	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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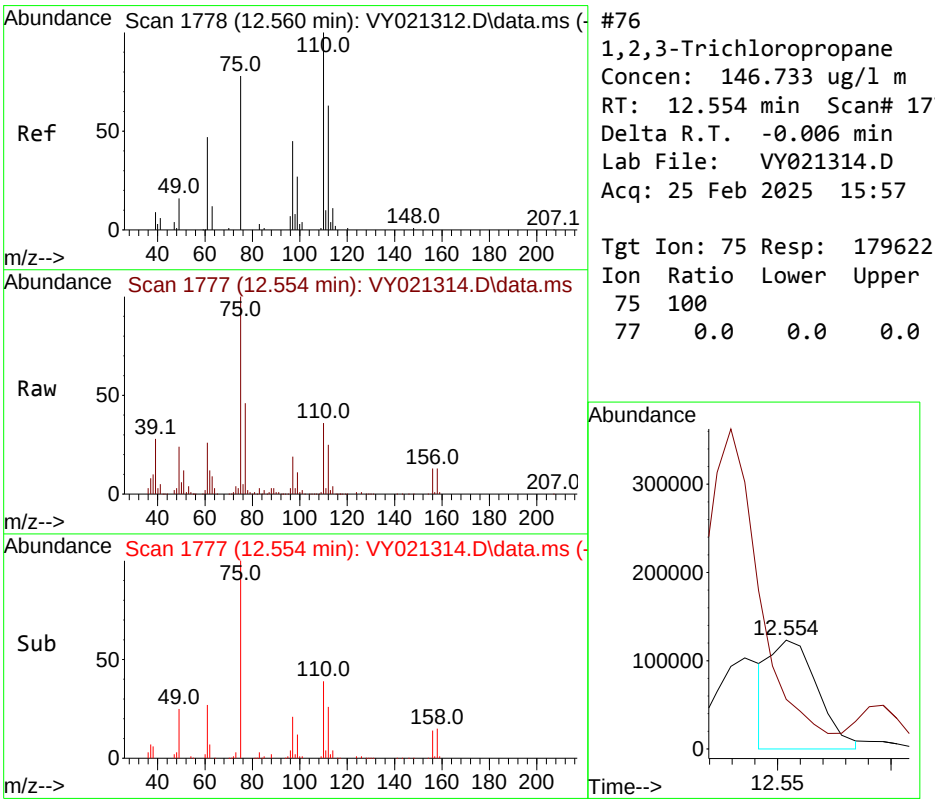
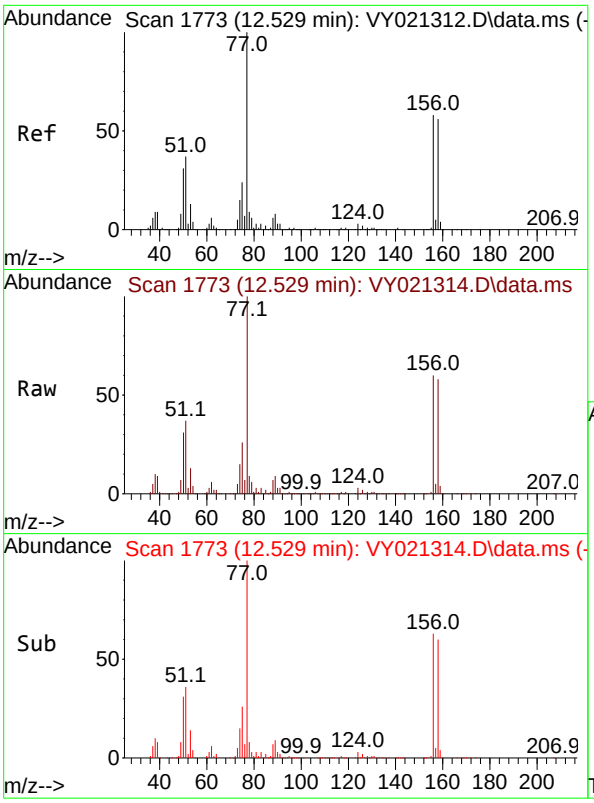


#76
1,2,3-Trichloropropane
Concen: 146.733 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 179622

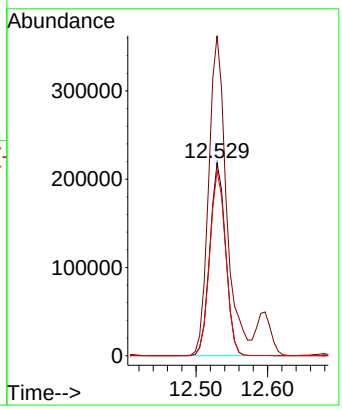
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 157.025 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:156 Resp: 33377

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.0	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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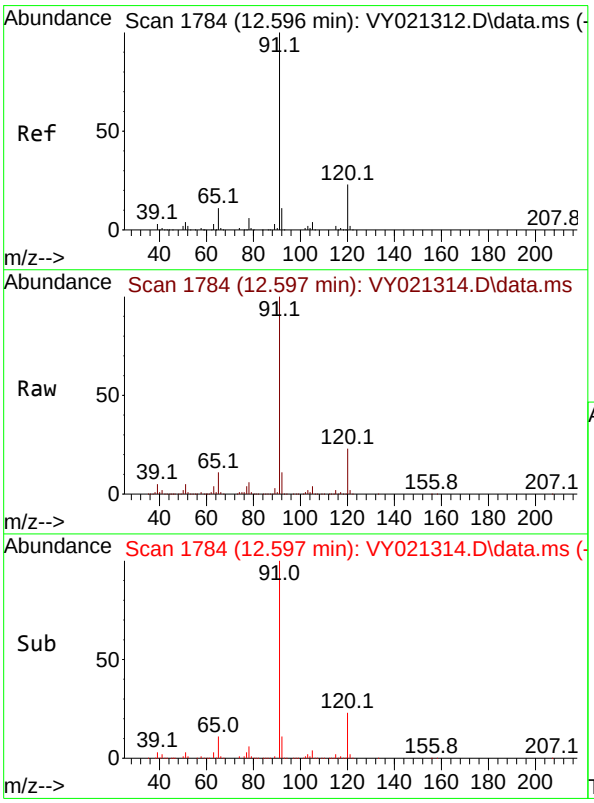
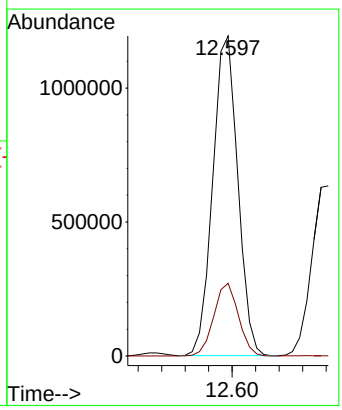
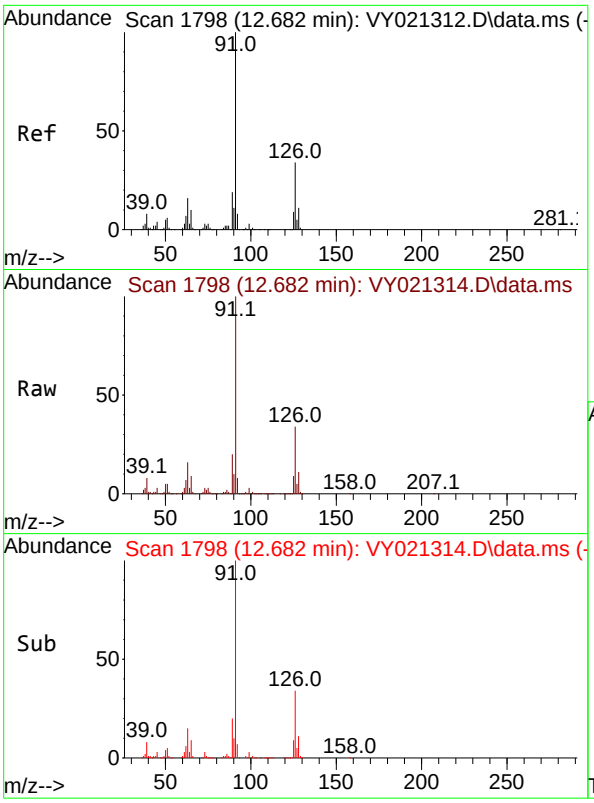


#78
n-propylbenzene
Concen: 159.217 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1765636

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5





#79
2-Chlorotoluene
Concen: 156.411 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 99545

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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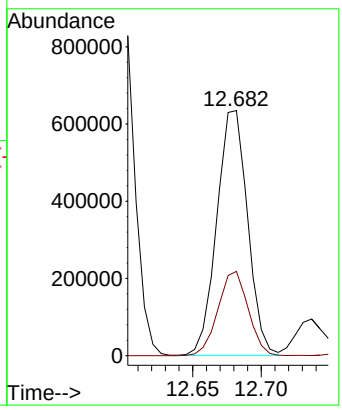
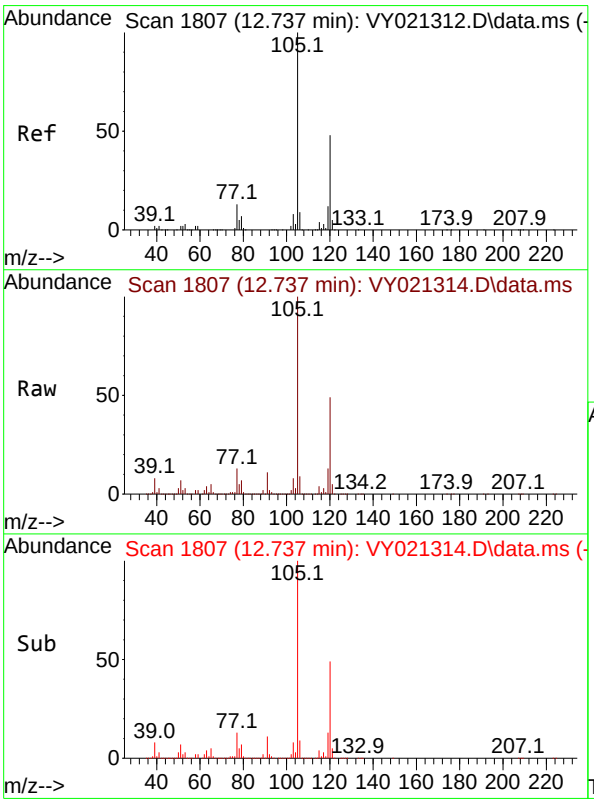
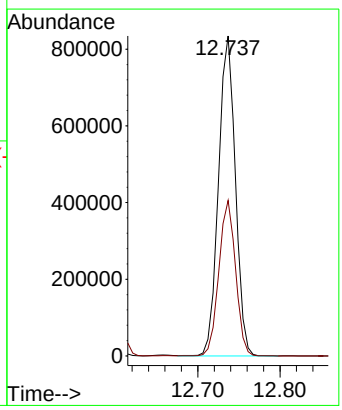


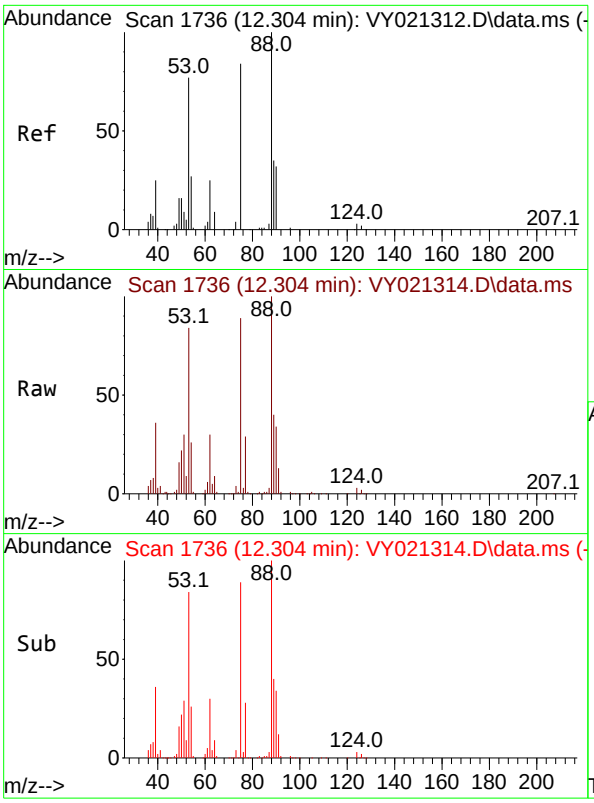


#80
1,3,5-Trimethylbenzene
Concen: 158.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1190462

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 169.722 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 9291

Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.1	118.7
89	46.3	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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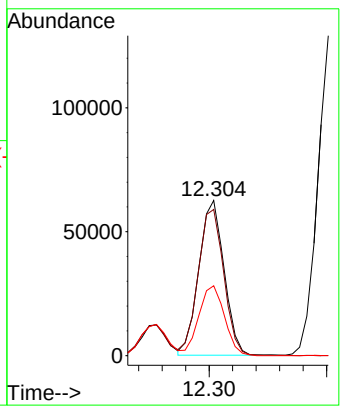
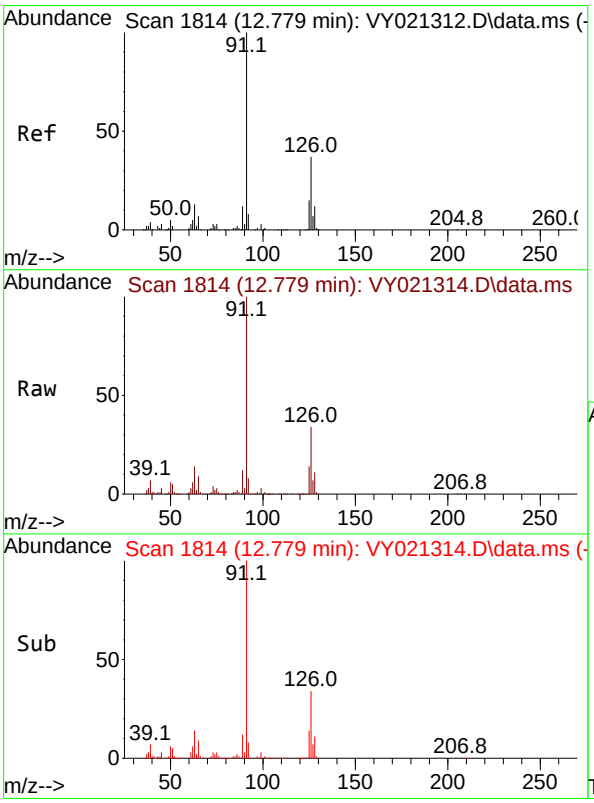
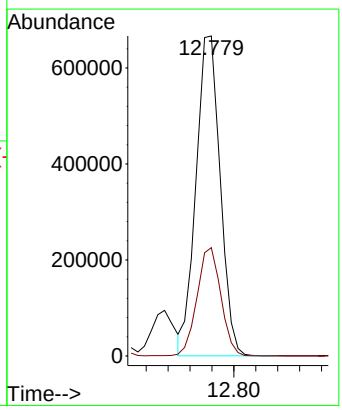


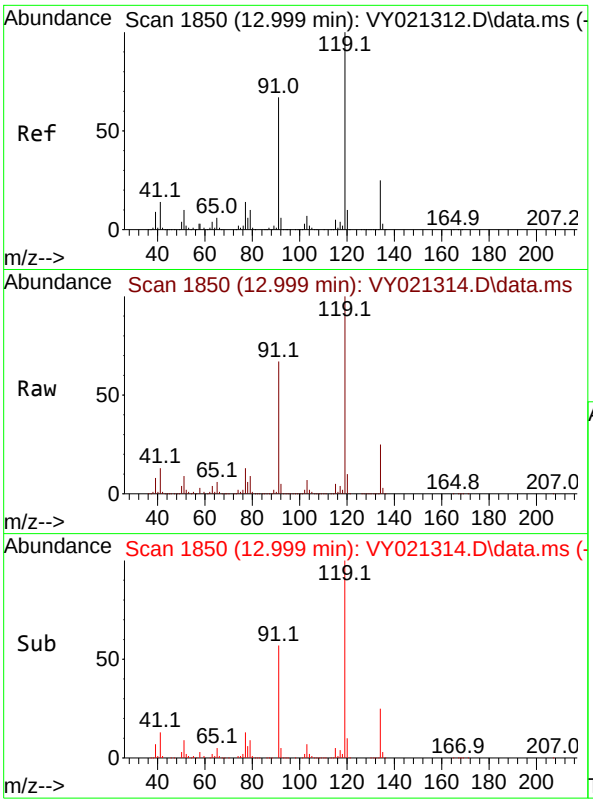


#82
4-Chlorotoluene
Concen: 154.883 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1021811

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.4

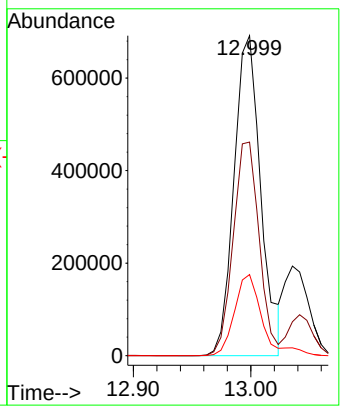




#83
tert-Butylbenzene
Concen: 161.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 109412

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.2	13.3	39.9



Instrument :
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ClientSampleId :
VSTDICC150

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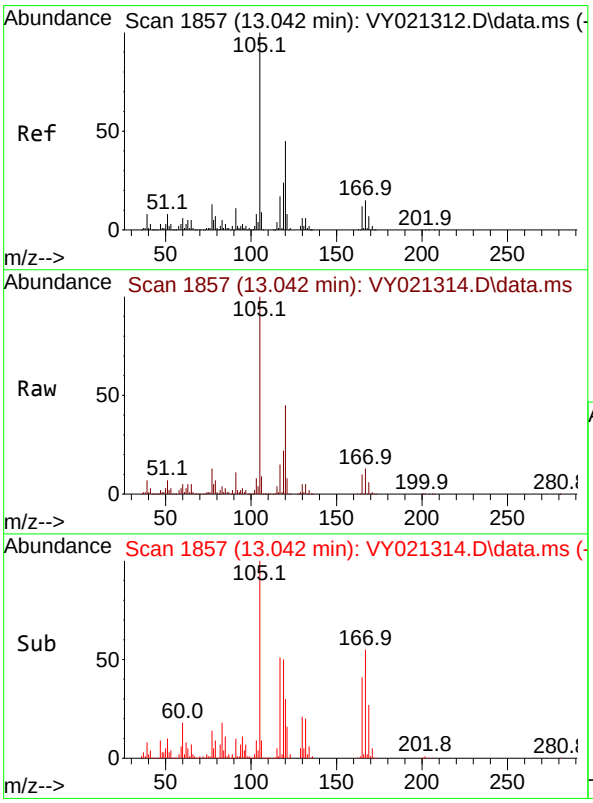
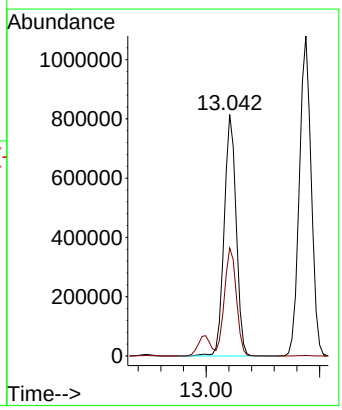
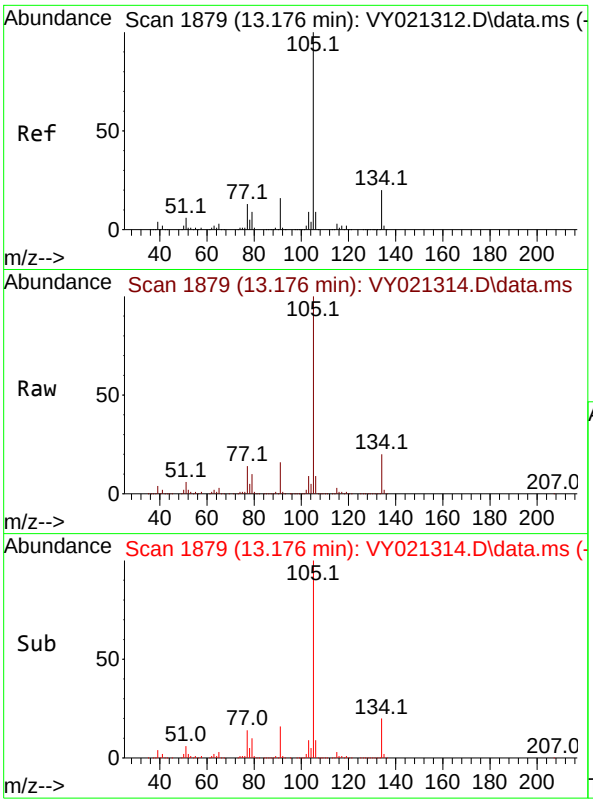


#84
1,2,4-Trimethylbenzene
Concen: 159.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1192062

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3

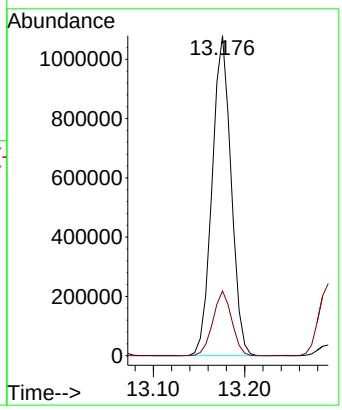




#85
sec-Butylbenzene
Concen: 157.594 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 155854

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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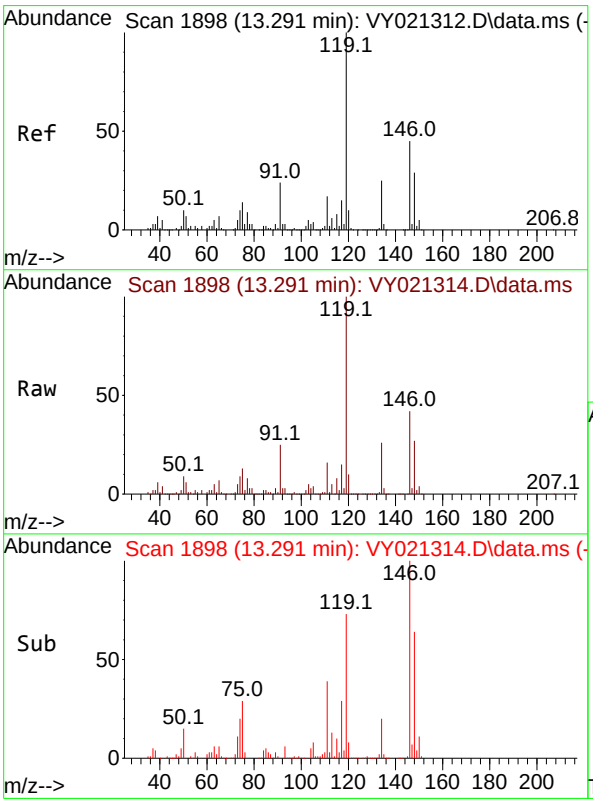
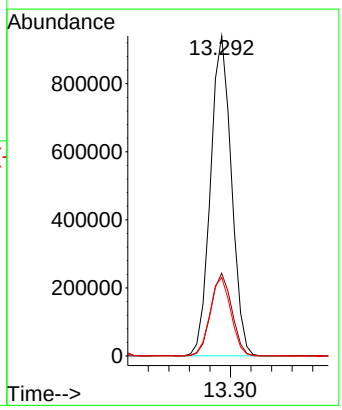
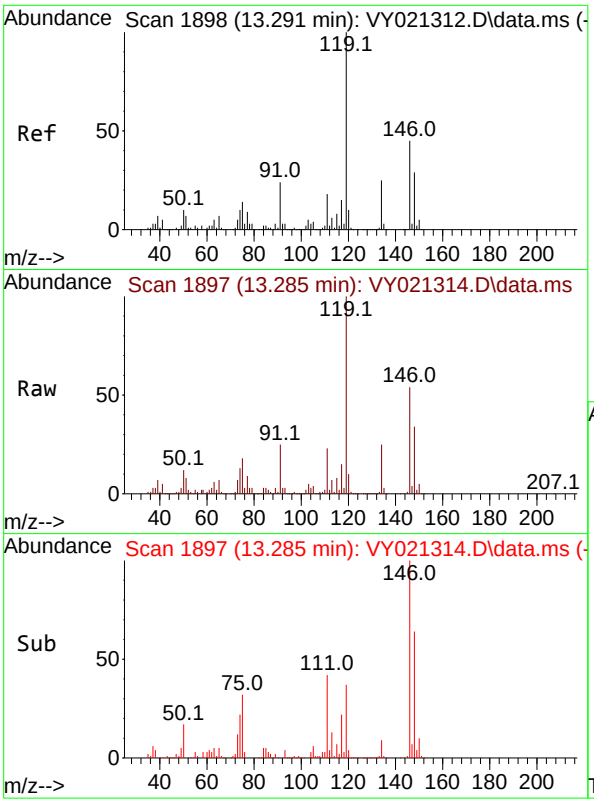


#86
p-Isopropyltoluene
Concen: 160.795 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 1327819

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.5	12.0	36.1

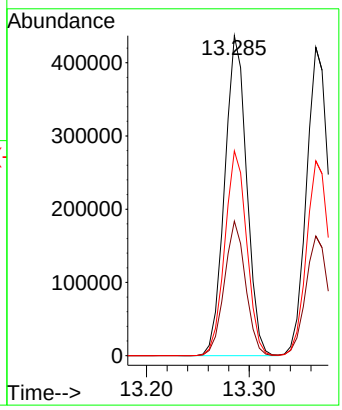




#87
1,3-Dichlorobenzene
Concen: 154.161 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 64820

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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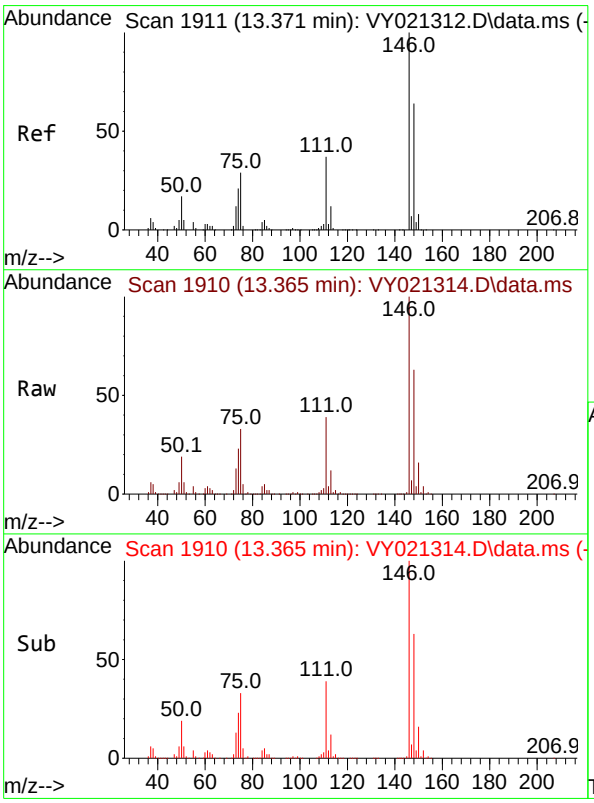
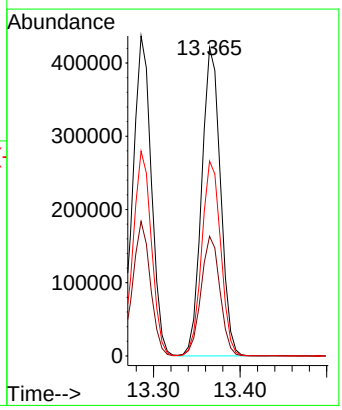
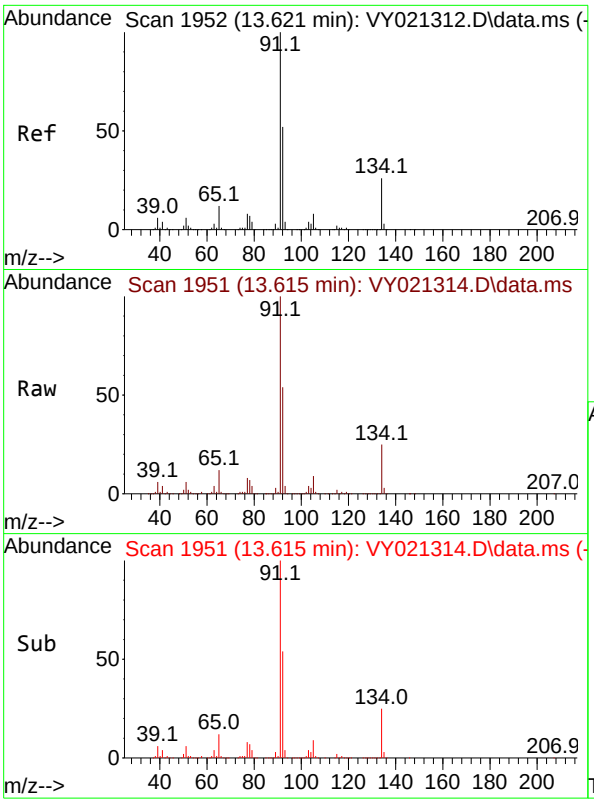


#88
1,4-Dichlorobenzene
Concen: 153.109 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 635981

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.7	32.0	96.2

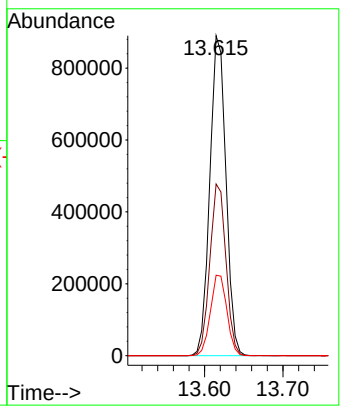




#89
n-Butylbenzene
Concen: 163.350 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 126939

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	25.7	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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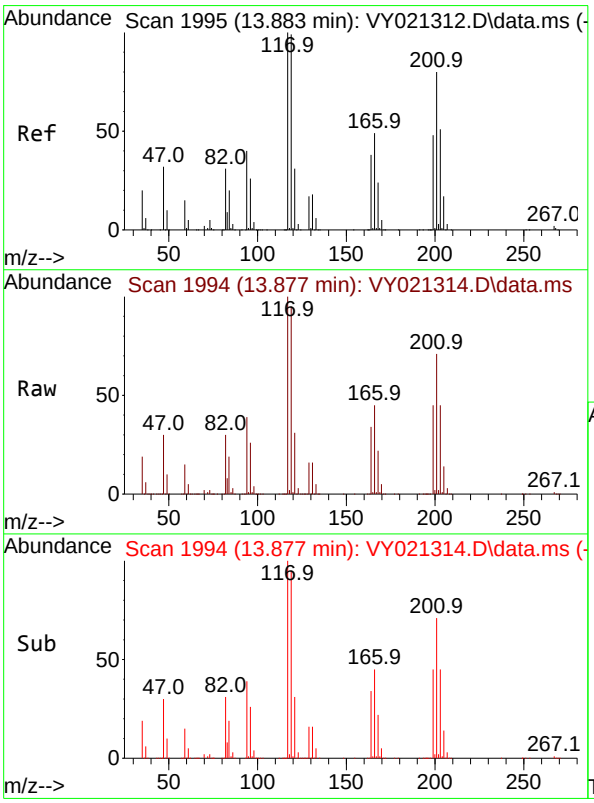
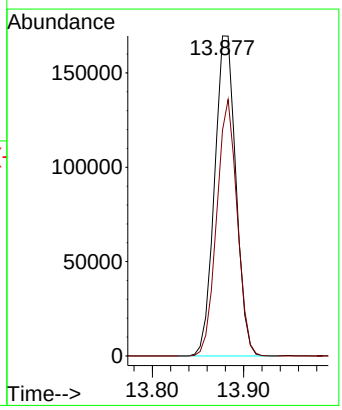
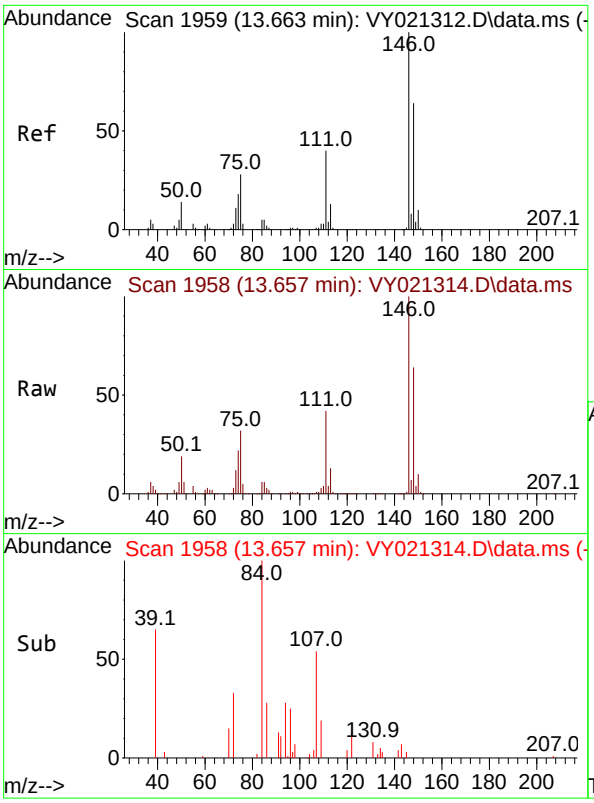


#90
Hexachloroethane
Concen: 159.641 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 275368

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

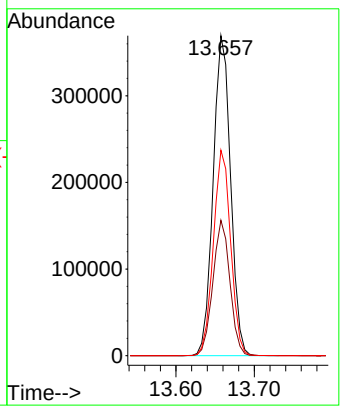




#91
1,2-Dichlorobenzene
Concen: 154.826 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 57036

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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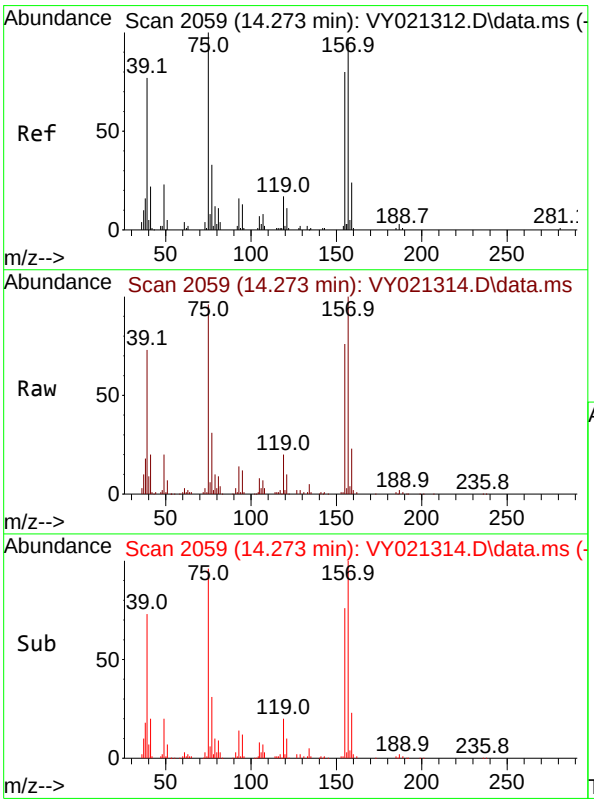
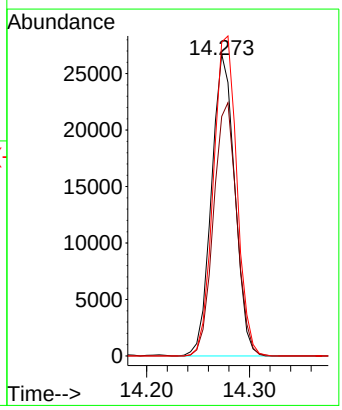
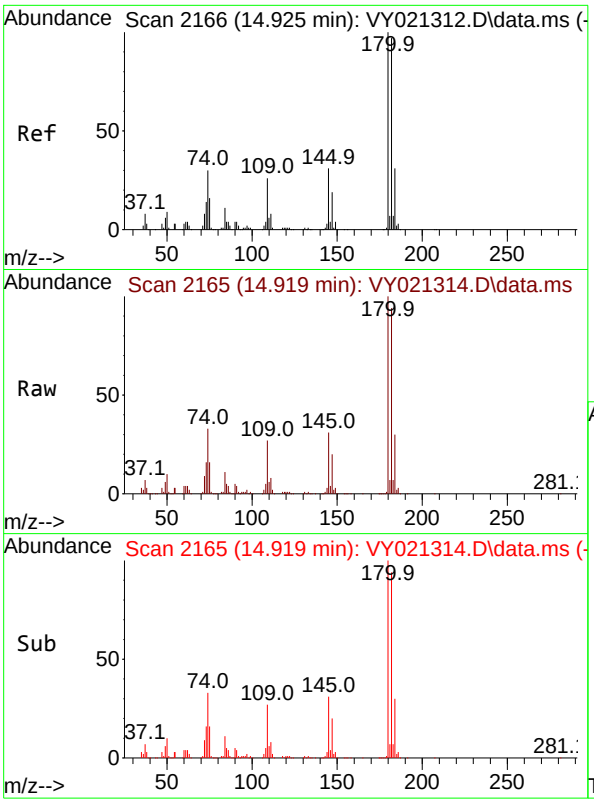


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.851 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 42060

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.9	125.6
157	106.6	52.5	157.6

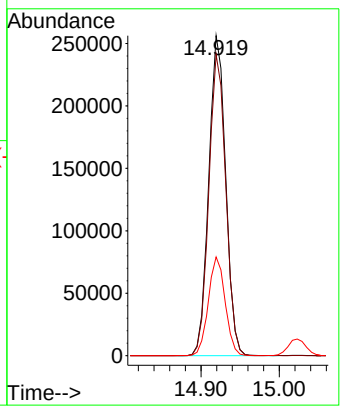




#93
1,2,4-Trichlorobenzene
Concen: 170.860 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 38416

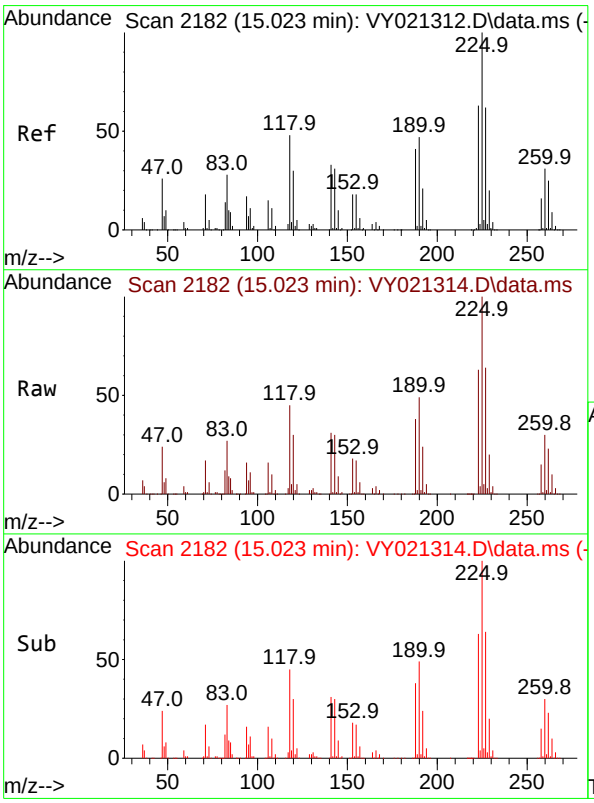
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

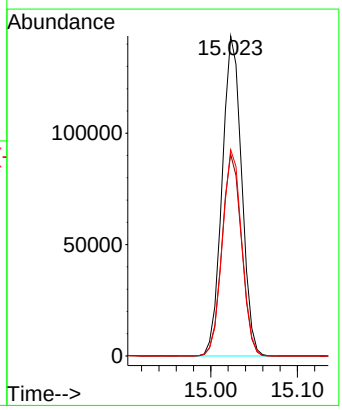
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

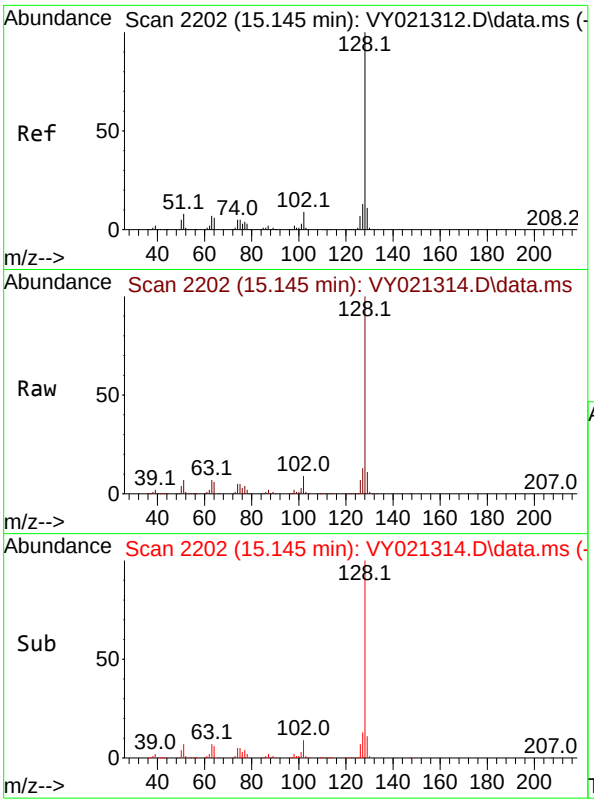


#94
Hexachlorobutadiene
Concen: 158.670 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:225 Resp: 224602

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	64.2	31.9	95.7

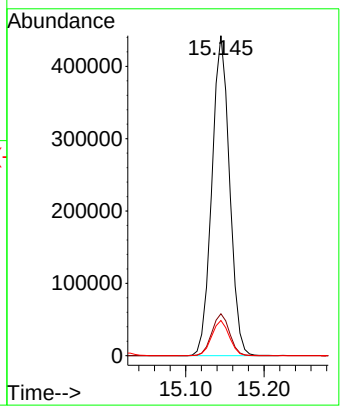




#95
Naphthalene
Concen: 186.517 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:128 Resp: 69462

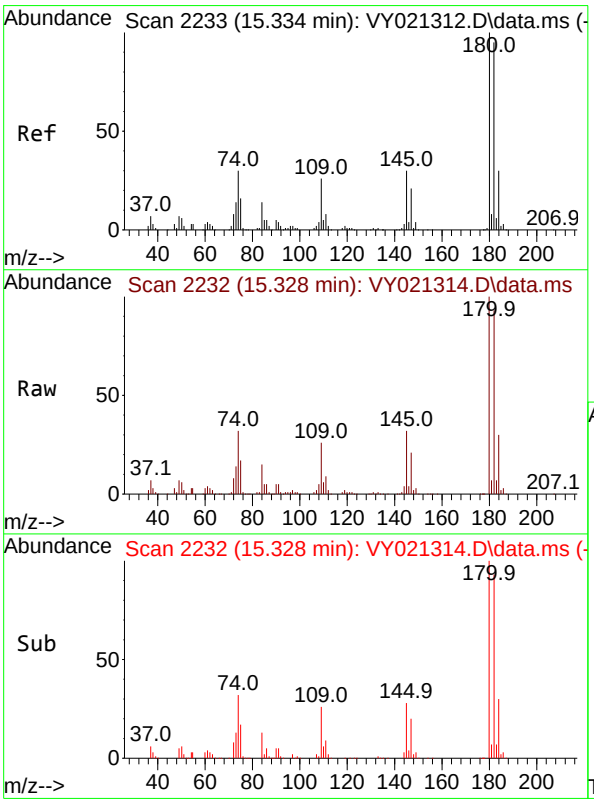
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

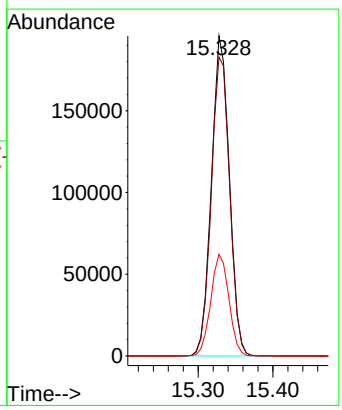
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 172.067 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 326876

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.1	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	190677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	300486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208535	96.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.820%#			
35) Dibromofluoromethane	7.634	113	193803	98.377	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.760%#			
50) Toluene-d8	10.103	98	752895	98.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.780%#			
62) 4-Bromofluorobenzene	12.408	95	252327	98.477	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 196.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	170537	94.332	ug/l	97
3) Chloromethane	2.068	50	217555	93.180	ug/l	99
4) Vinyl Chloride	2.202	62	221196	96.523	ug/l	97
5) Bromomethane	2.592	94	136840	89.858	ug/l	100
6) Chloroethane	2.732	64	135372	95.259	ug/l	99
7) Trichlorofluoromethane	3.056	101	331928	95.909	ug/l	95
8) Diethyl Ether	3.452	74	100381	96.637	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	193544	96.593	ug/l	99
10) Methyl Iodide	4.000	142	228728	108.503	ug/l	100
11) Tert butyl alcohol	4.854	59	65742	395.134	ug/l	99
12) 1,1-Dichloroethene	3.787	96	186684	97.304	ug/l	99
13) Acrolein	3.653	56	11267	88.370	ug/l	99
14) Allyl chloride	4.378	41	339203	99.720	ug/l	99
15) Acrylonitrile	5.055	53	219275	477.449	ug/l	99
16) Acetone	3.866	43	196435	473.421	ug/l	99
17) Carbon Disulfide	4.104	76	617661	96.953	ug/l	100
18) Methyl Acetate	4.385	43	95405	94.085	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	498467	98.337	ug/l	99
20) Methylene Chloride	4.616	84	201698	89.894	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	208498	98.718	ug/l	96
22) Diisopropyl ether	6.018	45	697290	99.061	ug/l	97
23) Vinyl Acetate	5.957	43	2103219	500.017	ug/l	99
24) 1,1-Dichloroethane	5.909	63	384030	96.798	ug/l	99
25) 2-Butanone	6.890	43	303077	483.977	ug/l	97
26) 2,2-Dichloropropane	6.884	77	350870	97.467	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	238916	99.061	ug/l	99
28) Bromochloromethane	7.244	49	167271	95.287	ug/l	99
29) Tetrahydrofuran	7.256	42	199056	486.299	ug/l	98
30) Chloroform	7.421	83	387767	96.458	ug/l	99
31) Cyclohexane	7.701	56	351876	92.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	353701	96.663	ug/l	98
36) 1,1-Dichloropropene	7.835	75	287472	97.146	ug/l	100
37) Ethyl Acetate	6.982	43	137233	93.230	ug/l	99
38) Carbon Tetrachloride	7.817	117	321576	96.663	ug/l	99
39) Methylcyclohexane	9.109	83	371172	99.169	ug/l	99
40) Benzene	8.079	78	847066	96.835	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	77542	94.219	ug/l		99
42) 1,2-Dichloroethane	8.152	62	236704	95.375	ug/l		100
43) Isopropyl Acetate	8.195	43	280321	98.388	ug/l		99
44) Trichloroethene	8.865	130	212562	97.057	ug/l		99
45) 1,2-Dichloropropane	9.140	63	201701	95.814	ug/l		98
46) Dibromomethane	9.231	93	110814	96.301	ug/l		99
47) Bromodichloromethane	9.420	83	297320	96.904	ug/l		99
48) Methyl methacrylate	9.219	41	135412	101.635	ug/l		99
49) 1,4-Dioxane	9.225	88	24355	1903.504	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	716009	490.938	ug/l		100
52) Toluene	10.170	92	539016	99.189	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	284731	101.290	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	328107	98.870	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	142372	94.975	ug/l		98
56) Ethyl methacrylate	10.438	69	216586	104.564	ug/l		98
57) 1,3-Dichloropropane	10.719	76	255903	97.283	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	530695	533.791	ug/l		100
59) 2-Hexanone	10.761	43	485734	507.115	ug/l		99
60) Dibromochloromethane	10.908	129	199225	97.582	ug/l		99
61) 1,2-Dibromoethane	11.011	107	136284	96.029	ug/l		98
64) Tetrachloroethene	10.646	164	189679	93.936	ug/l		99
65) Chlorobenzene	11.438	112	576109	96.070	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	203696	97.007	ug/l		99
67) Ethyl Benzene	11.517	91	1057129	99.522	ug/l		100
68) m/p-Xylenes	11.627	106	783034	195.986	ug/l		100
69) o-Xylene	11.956	106	370964	99.112	ug/l		100
70) Styrene	11.969	104	619437	99.469	ug/l		99
71) Bromoform	12.133	173	114495	95.313	ug/l	#	99
73) Isopropylbenzene	12.255	105	987758	100.648	ug/l		99
74) N-amyl acetate	12.072	43	258576	103.658	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	162941	94.075	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	123844m	94.206	ug/l		
77) Bromobenzene	12.529	156	223081	97.728	ug/l		98
78) n-propylbenzene	12.596	91	1186751	99.651	ug/l		100
79) 2-Chlorotoluene	12.682	91	666071	97.455	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	794247	98.676	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	58806	100.031	ug/l		99
82) 4-Chlorotoluene	12.779	91	687385	97.022	ug/l		100
83) tert-Butylbenzene	12.999	119	720480	99.092	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	795840	99.415	ug/l		100
85) sec-Butylbenzene	13.176	105	1041022	98.021	ug/l		100
86) p-Isopropyltoluene	13.291	119	881757	99.431	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	435489	96.445	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	425301	95.343	ug/l		99
89) n-Butylbenzene	13.621	91	840236	100.683	ug/l		100
90) Hexachloroethane	13.883	117	181015	97.720	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	377453	95.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26541	96.867	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	248146	102.770	ug/l		100
94) Hexachlorobutadiene	15.023	225	147103	96.770	ug/l		99
95) Naphthalene	15.145	128	436817	109.220	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	211313	103.581	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

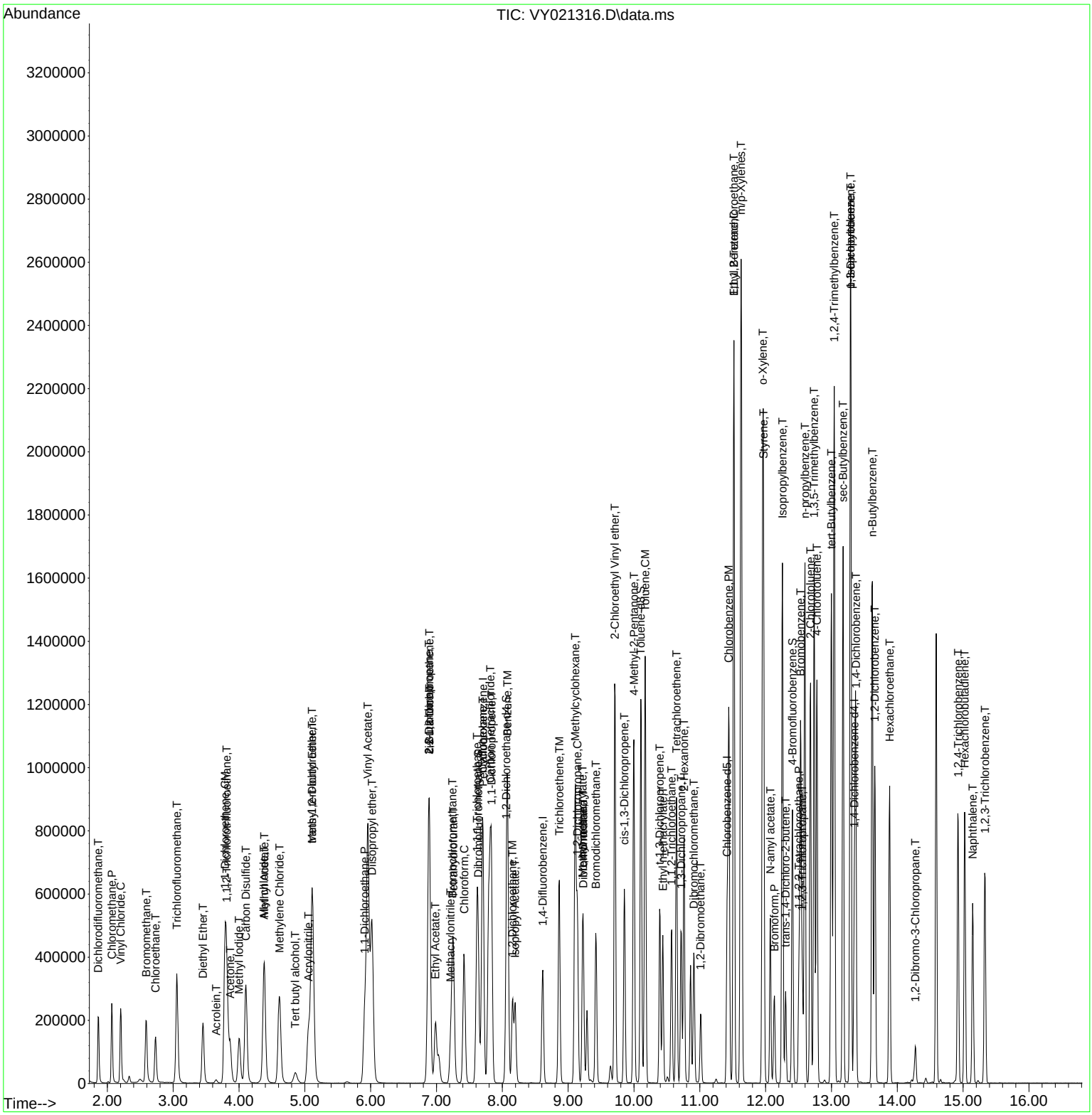
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

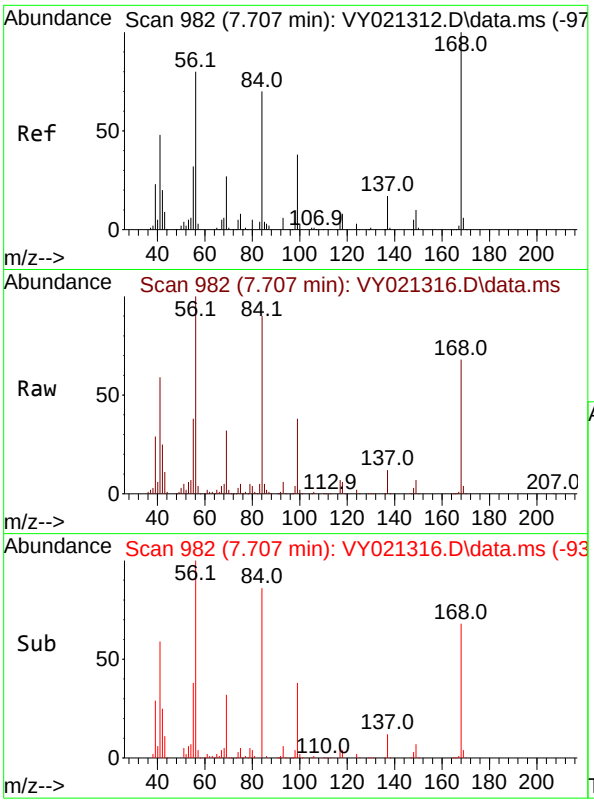
Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

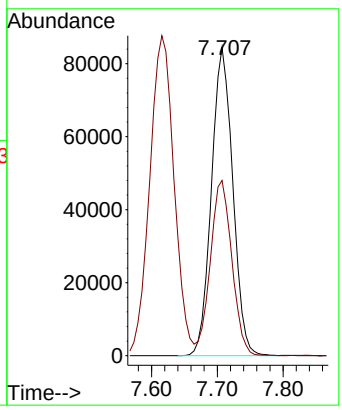




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:168 Resp: 19067

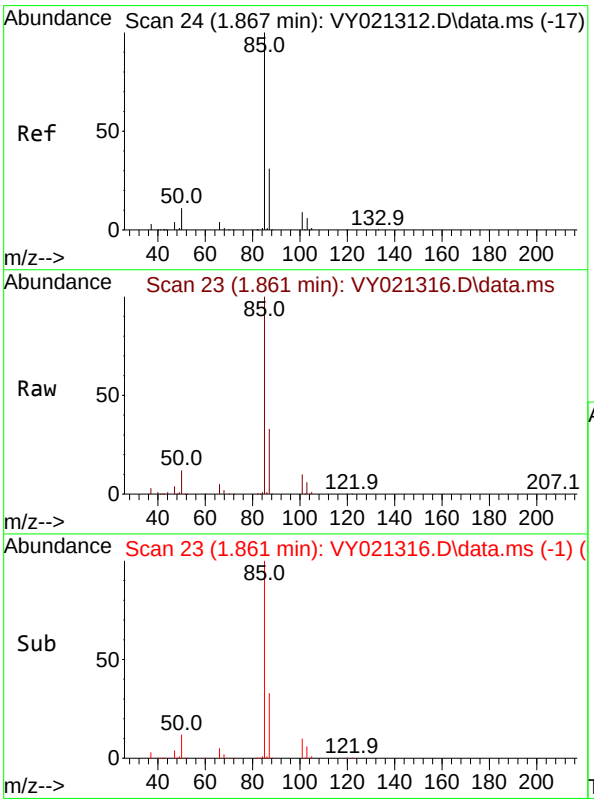
Ion	Ratio	Lower	Upper
168	100		
99	56.8	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

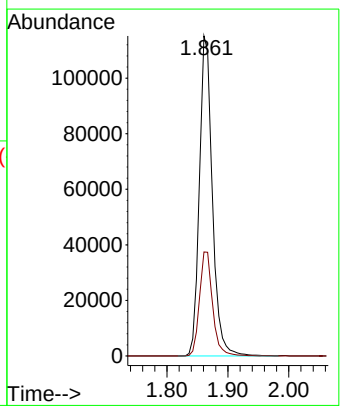
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

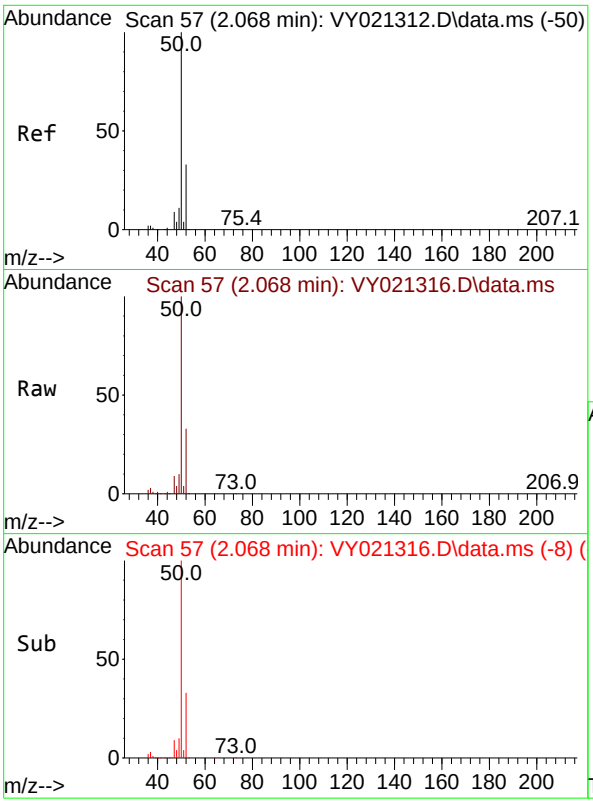


#2
Dichlorodifluoromethane
Concen: 94.332 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 85 Resp: 170537

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.4	46.4

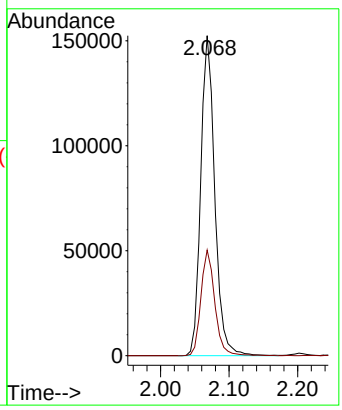




#3
Chloromethane
Concen: 93.180 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 50 Resp: 21755

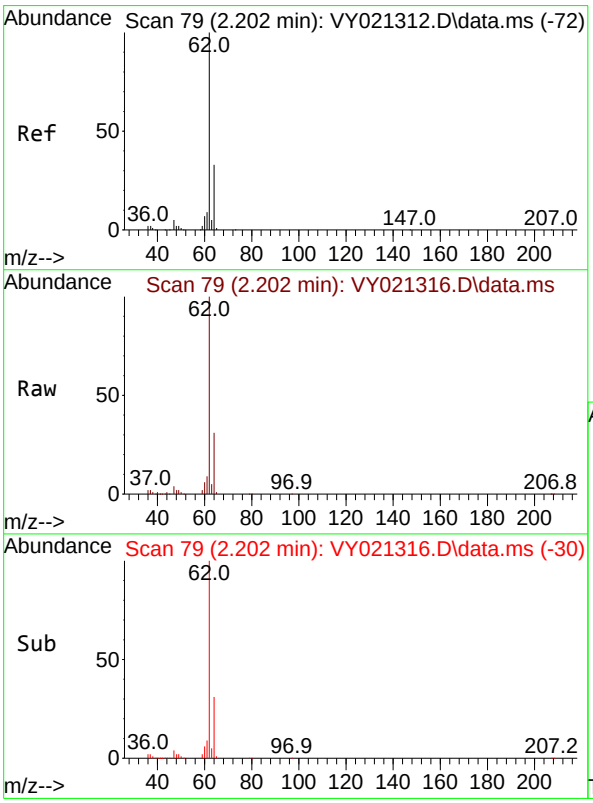
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

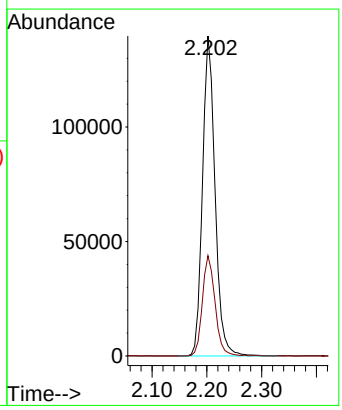
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

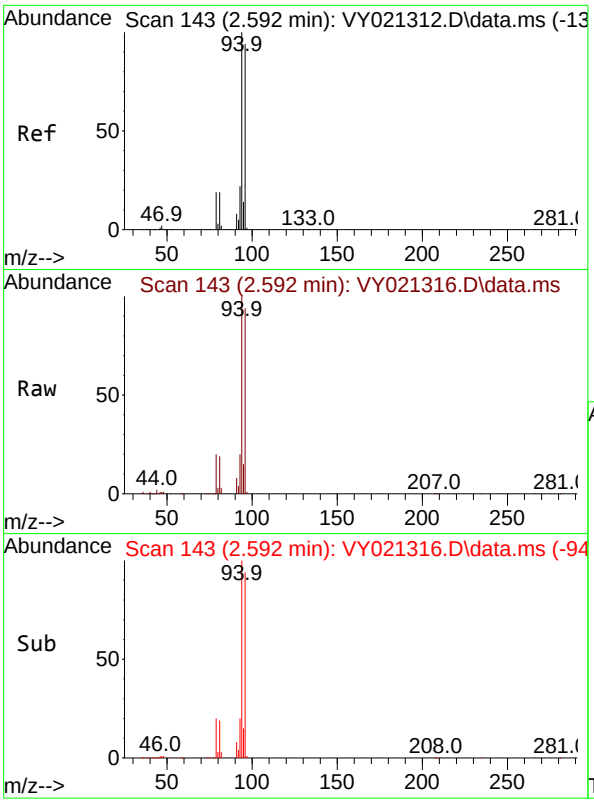


#4
Vinyl Chloride
Concen: 96.523 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 221196

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.3	39.5

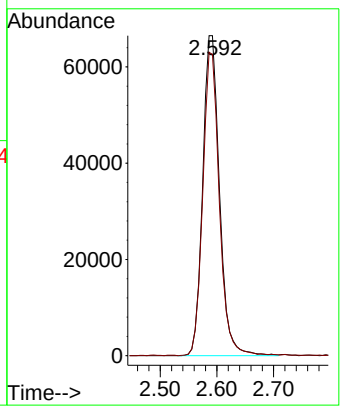




#5
Bromomethane
Concen: 89.858 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 94 Resp: 13684

Ion	Ratio	Lower	Upper
94	100		
96	94.2	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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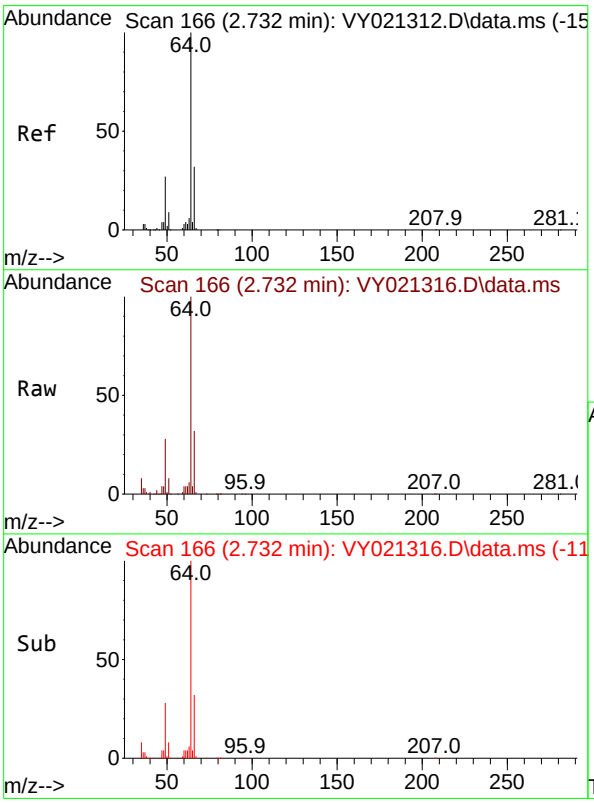
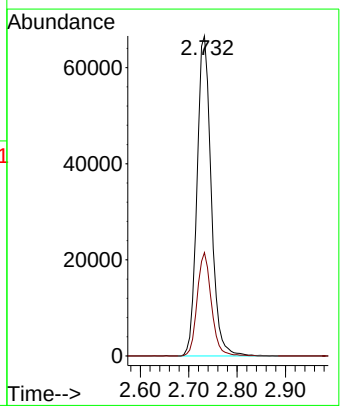
Supervised By :Mahesh Dadoda 02/26/2025

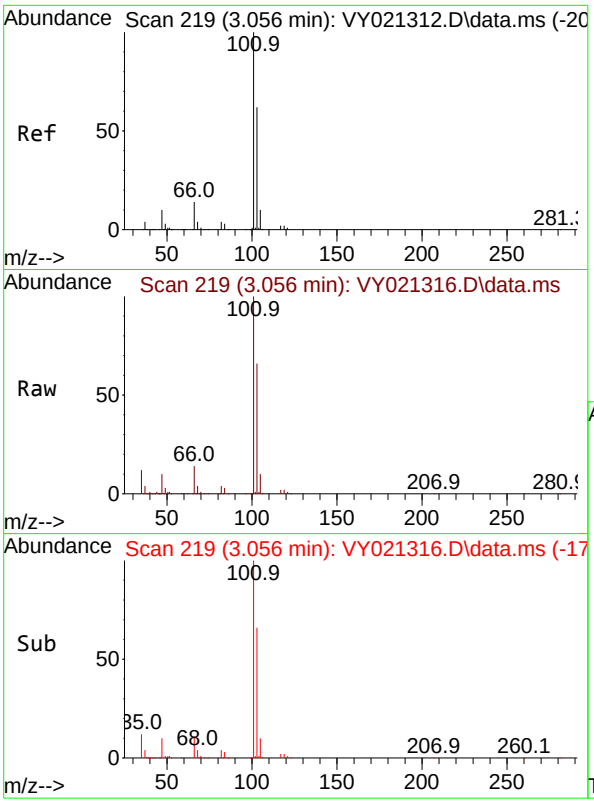


#6
Chloroethane
Concen: 95.259 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 64 Resp: 135372

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0

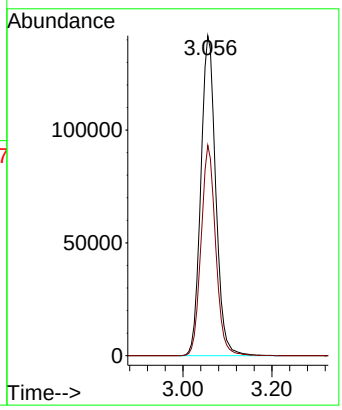




#7
Trichlorofluoromethane
Concen: 95.909 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 33192

Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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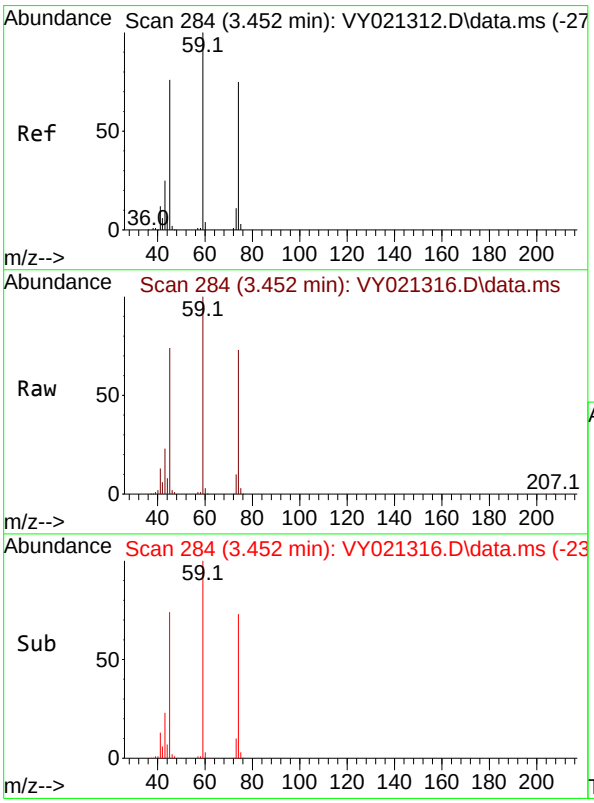
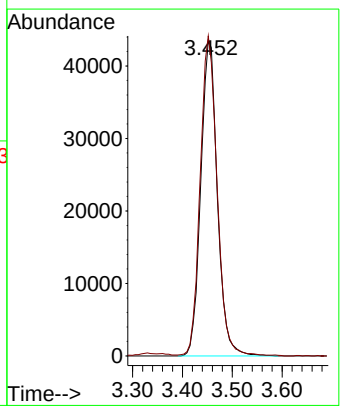
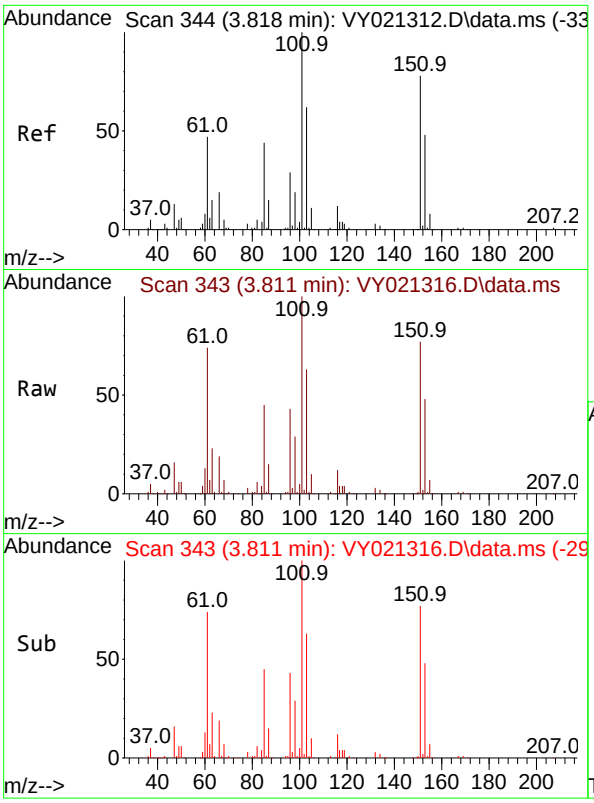


#8
Diethyl Ether
Concen: 96.637 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 74 Resp: 100381

Ion	Ratio	Lower	Upper
74	100		
45	104.0	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.593 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 19354

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	77.3	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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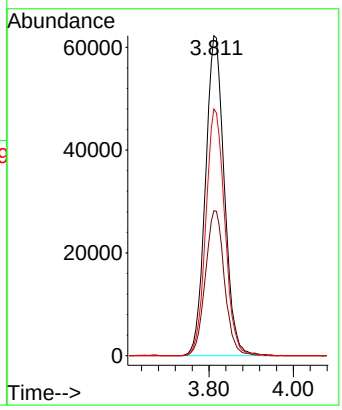
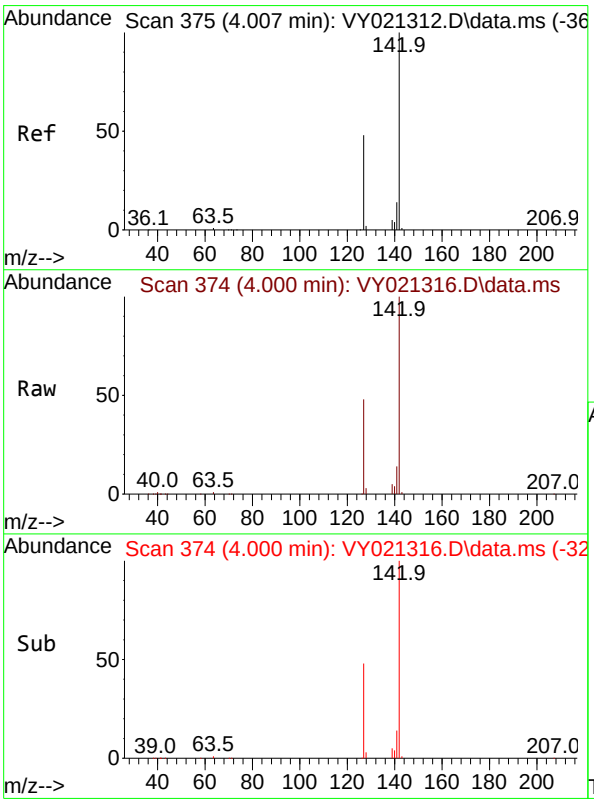
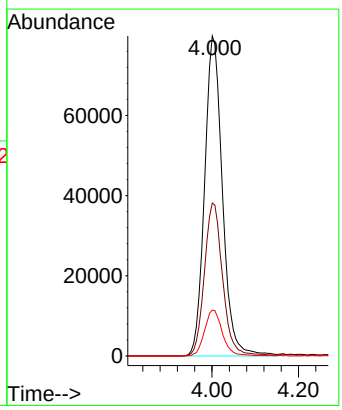


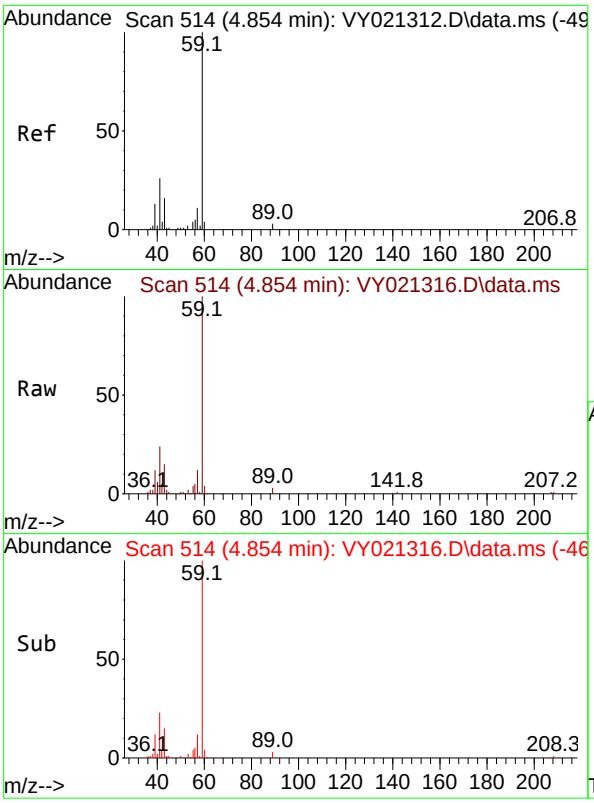


#10
Methyl Iodide
Concen: 108.503 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:142 Resp: 228728

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.2	58.8
141	14.3	11.4	17.2





#11
Tert butyl alcohol
Concen: 395.134 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 59 Resp: 6574

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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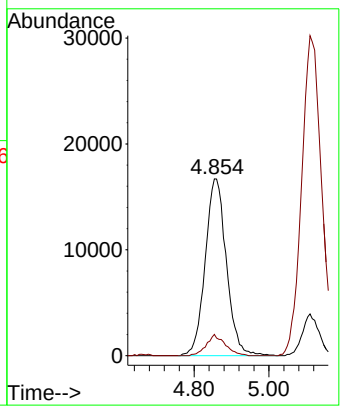
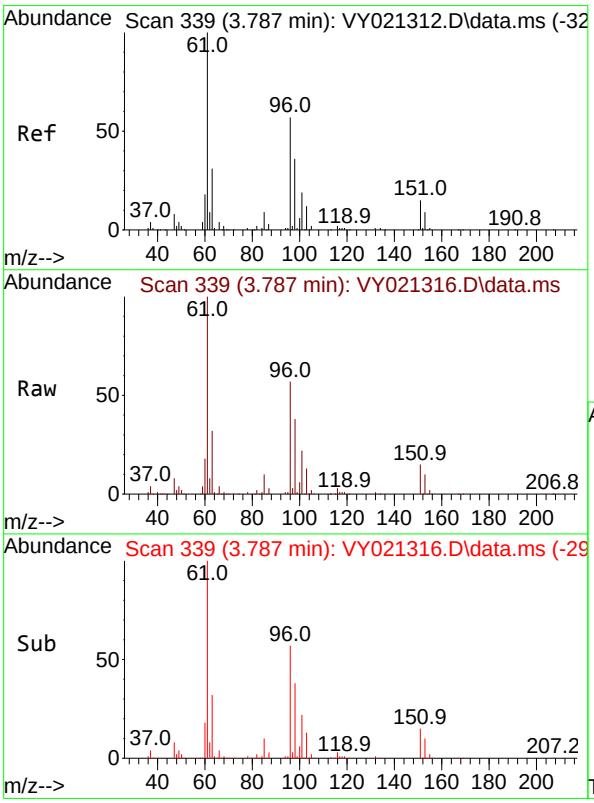
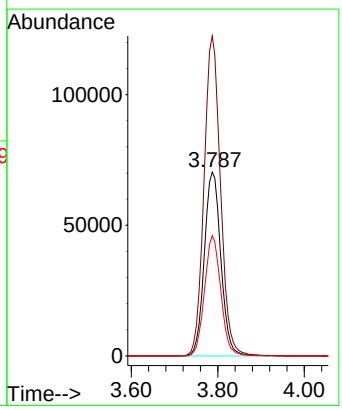


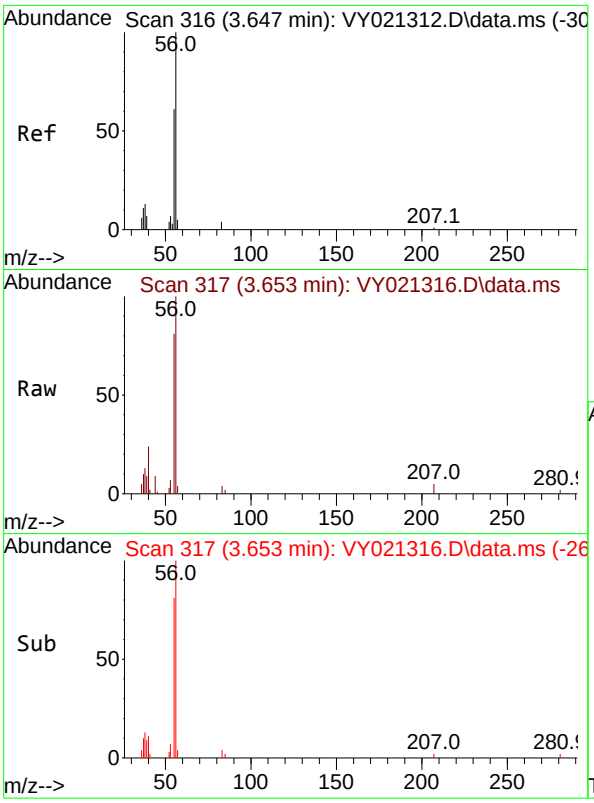


#12
1,1-Dichloroethene
Concen: 97.304 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 186684

Ion	Ratio	Lower	Upper
96	100		
61	174.1	139.7	209.5
98	65.5	49.7	74.5

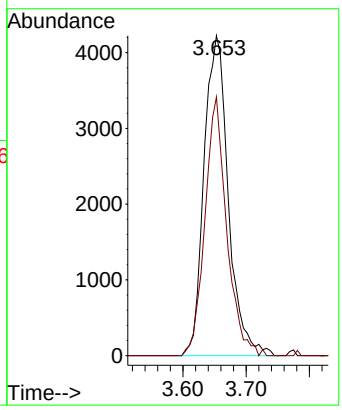




#13
Acrolein
Concen: 88.370 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 56 Resp: 1126

Ion	Ratio	Lower	Upper
56	100		
55	72.5	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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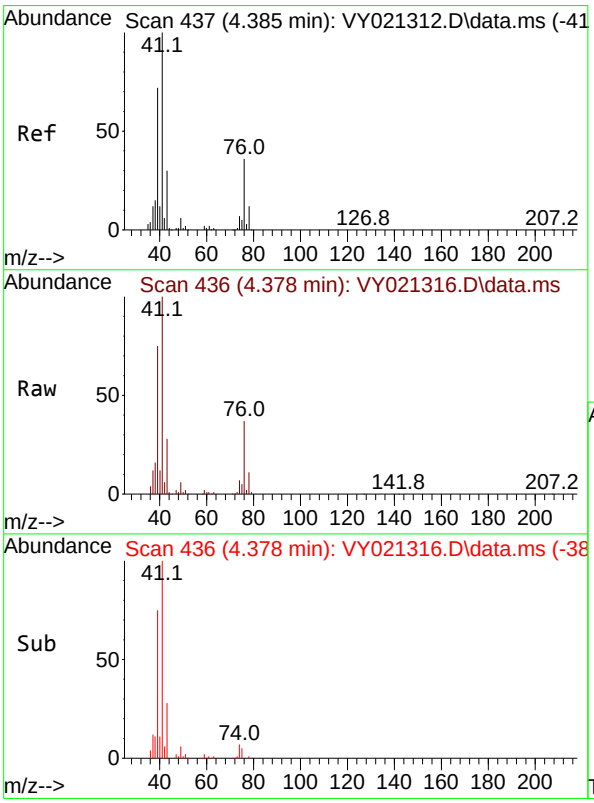
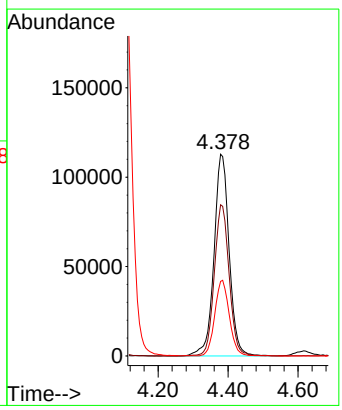
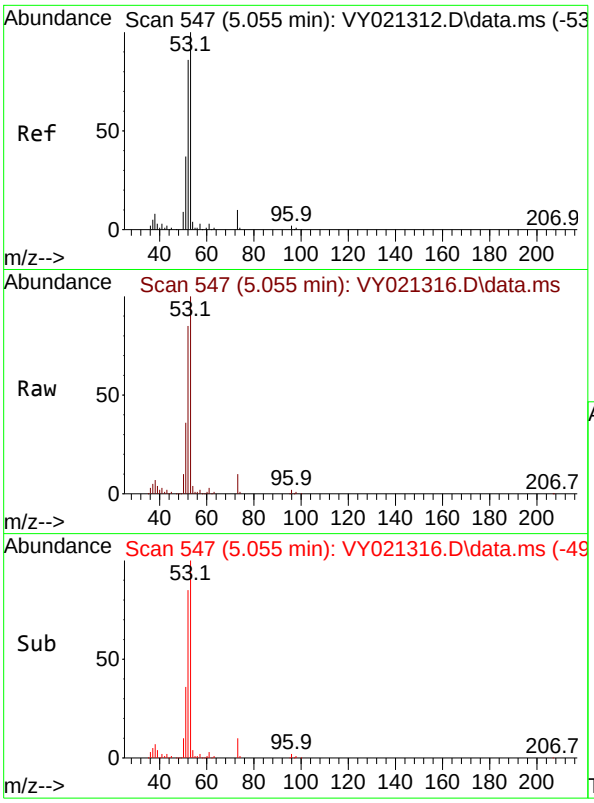


#14
Allyl chloride
Concen: 99.720 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 339203

Ion	Ratio	Lower	Upper
41	100		
39	73.6	60.0	90.0
76	36.1	29.0	43.6





#15
Acrylonitrile
Concen: 477.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 53 Resp: 21927

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	37.9	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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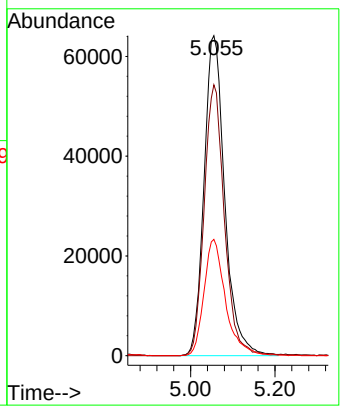
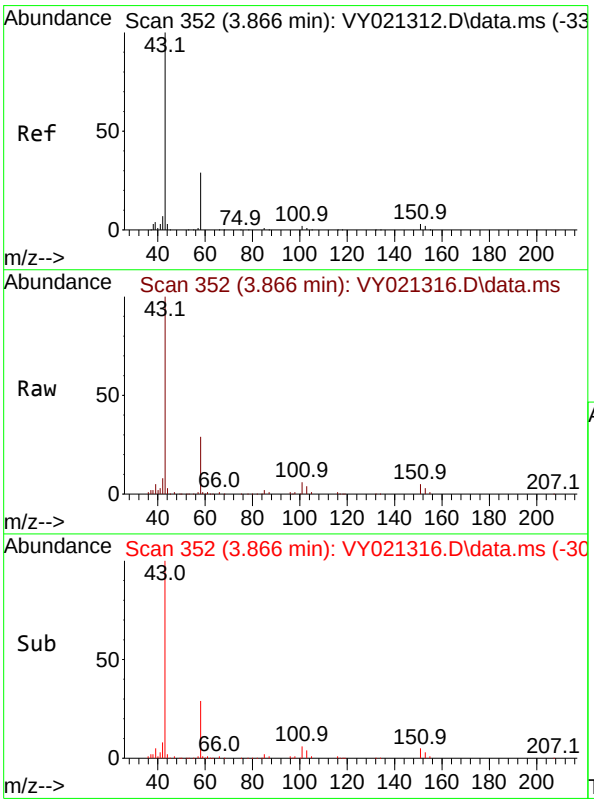
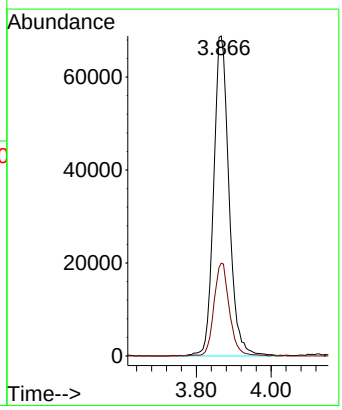


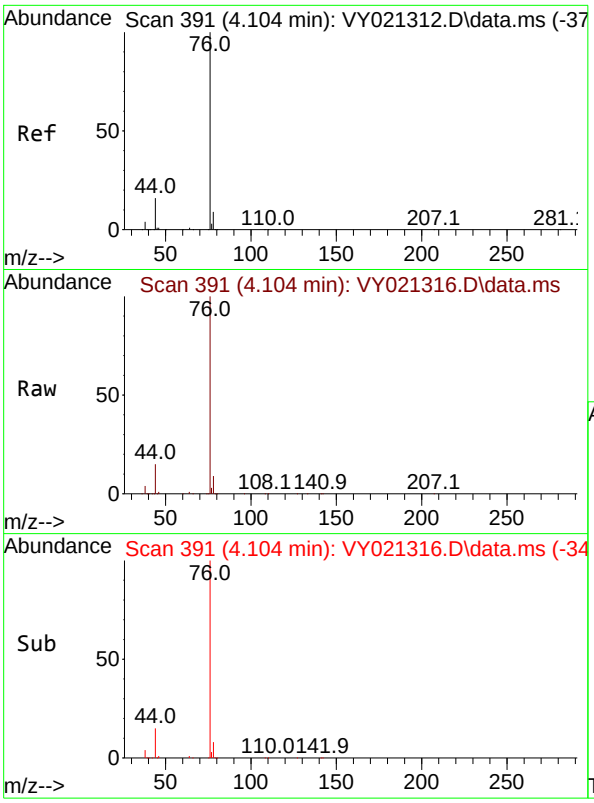


#16
Acetone
Concen: 473.421 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 196435

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.5	35.3

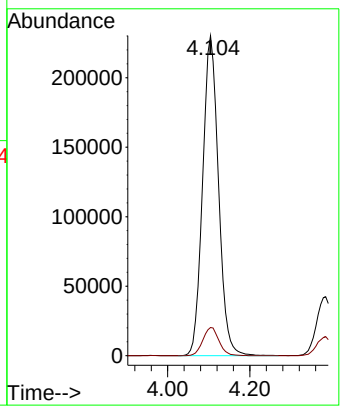




#17
Carbon Disulfide
Concen: 96.953 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 76 Resp: 61766

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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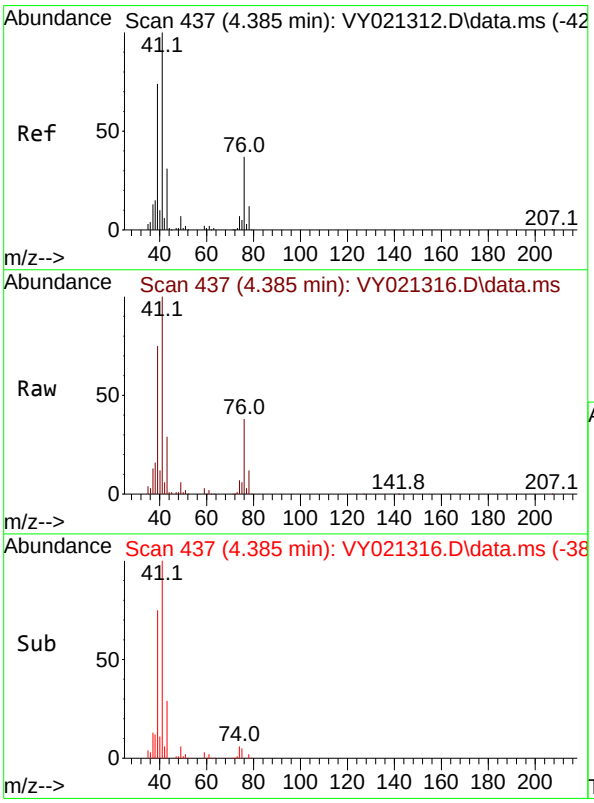
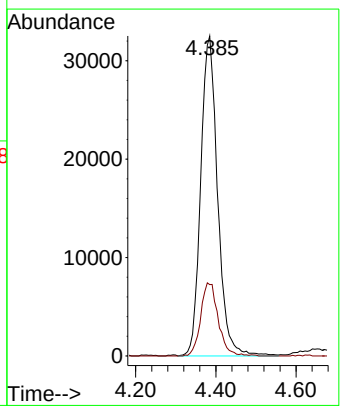
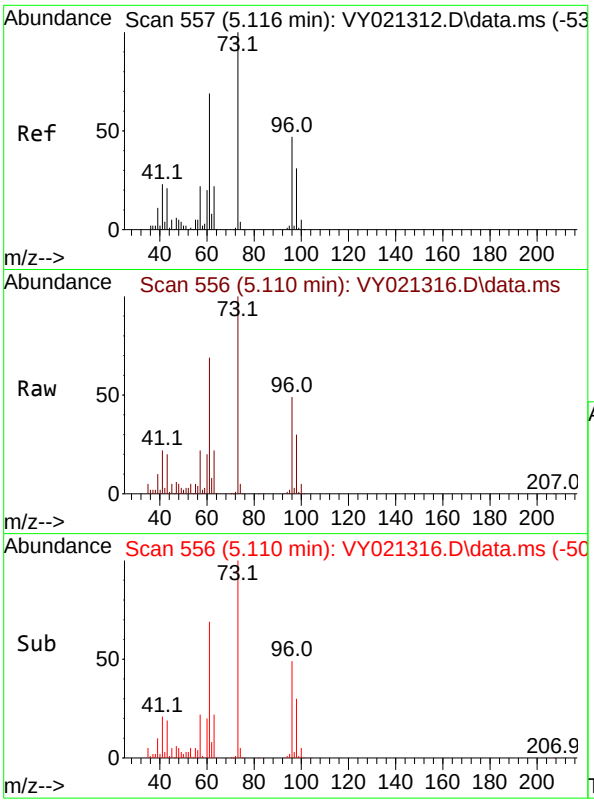


#18
Methyl Acetate
Concen: 94.085 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 95405

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5

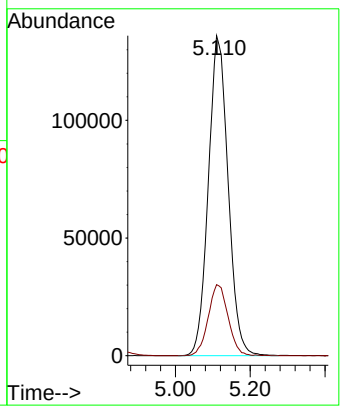




#19
Methyl tert-butyl Ether
Concen: 98.337 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 73 Resp: 49846

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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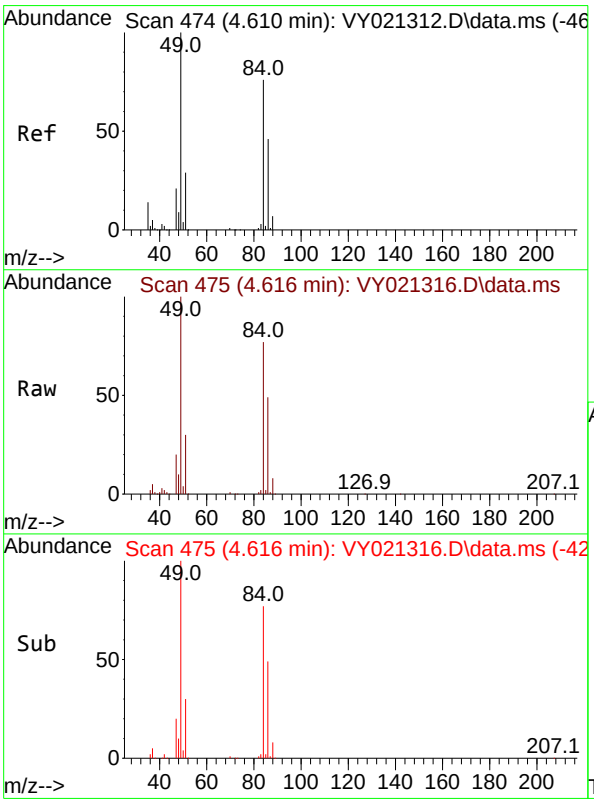
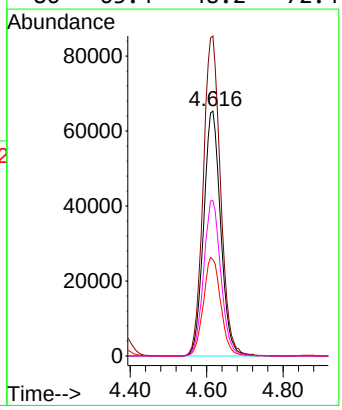
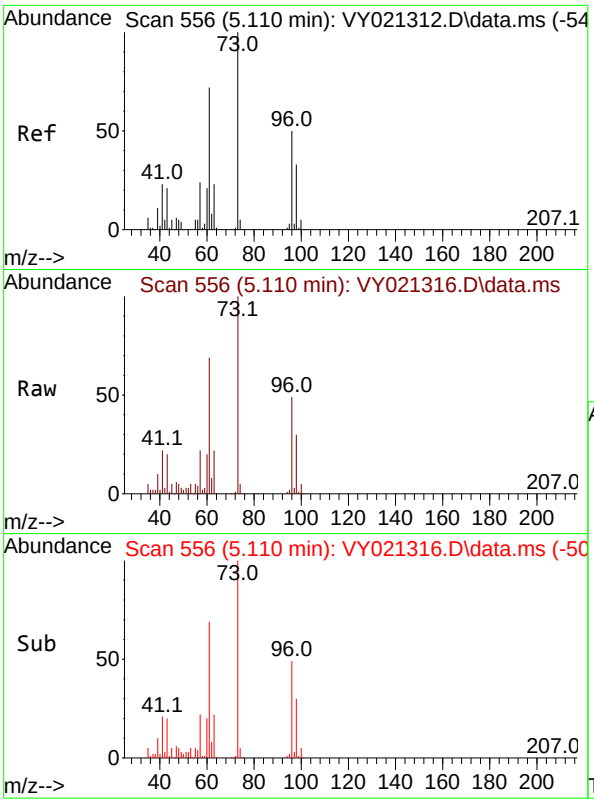


#20
Methylene Chloride
Concen: 89.894 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 84 Resp: 201698

Ion	Ratio	Lower	Upper
84	100		
49	130.7	105.1	157.7
51	39.3	31.0	46.4
86	63.4	48.2	72.4

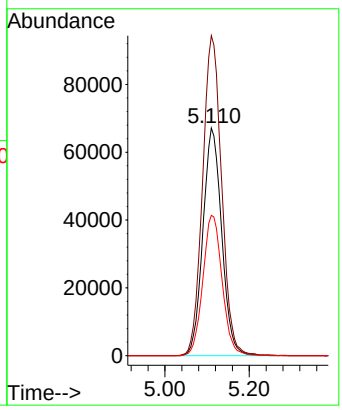




#21
trans-1,2-Dichloroethene
Concen: 98.718 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 20849

Ion	Ratio	Lower	Upper
96	100		
61	140.5	116.3	174.5
98	61.7	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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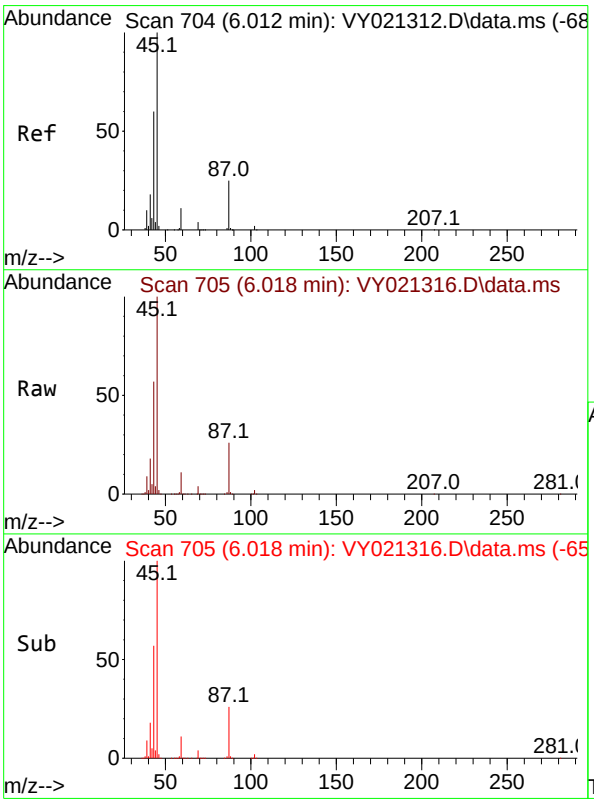
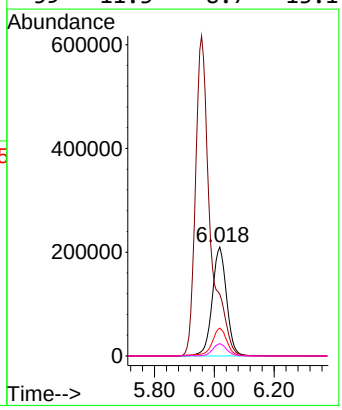
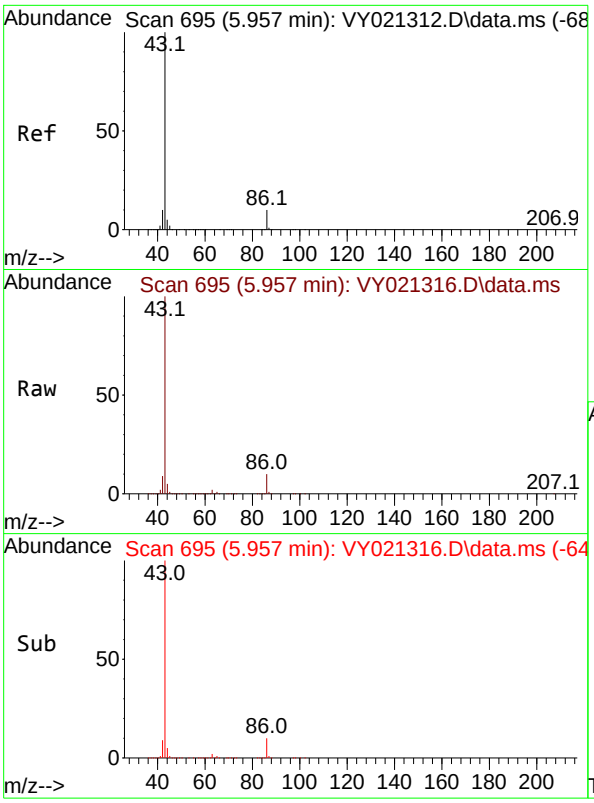


#22
Diisopropyl ether
Concen: 99.061 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 45 Resp: 697290

Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.2	72.4
87	25.6	20.3	30.5
59	11.3	8.7	13.1





#23
Vinyl Acetate
Concen: 500.017 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 210321

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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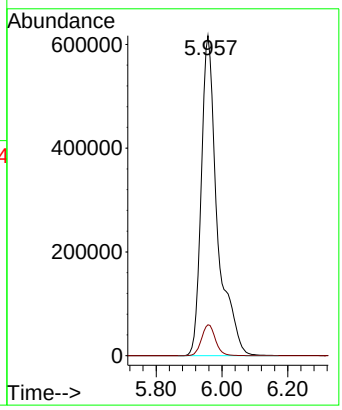
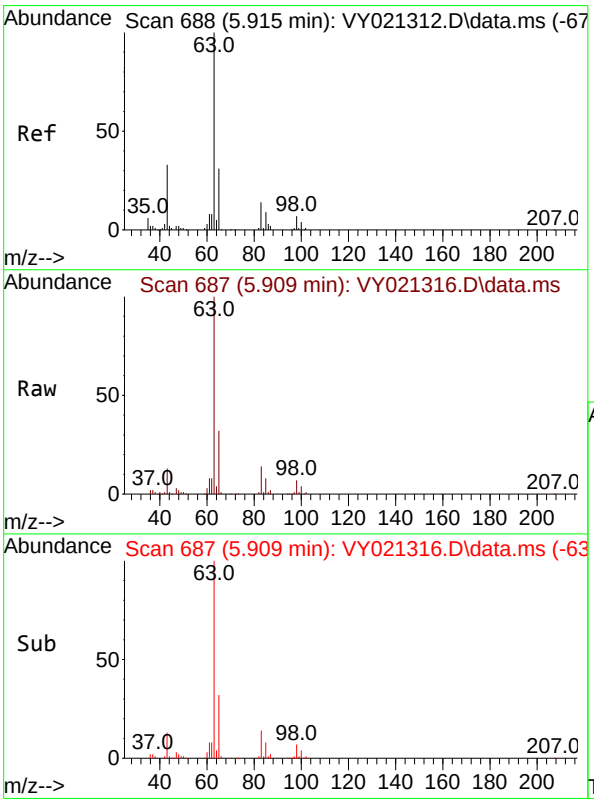
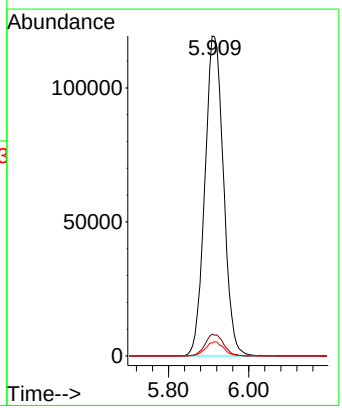


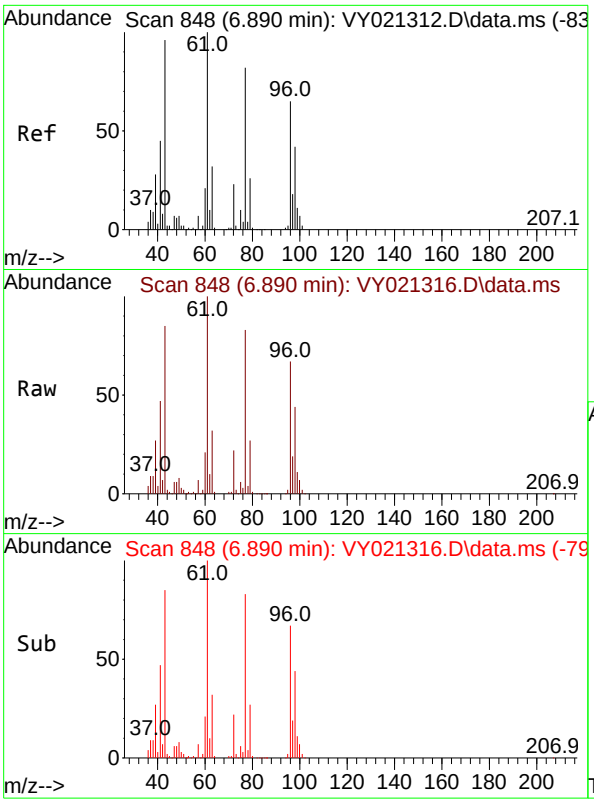


#24
1,1-Dichloroethane
Concen: 96.798 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 384030

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 483.977 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 30307

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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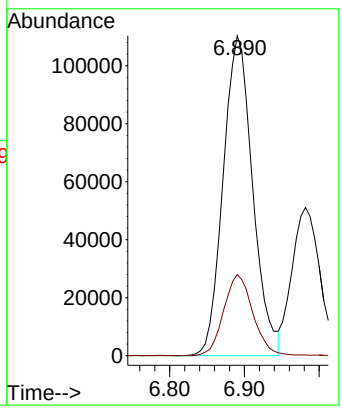
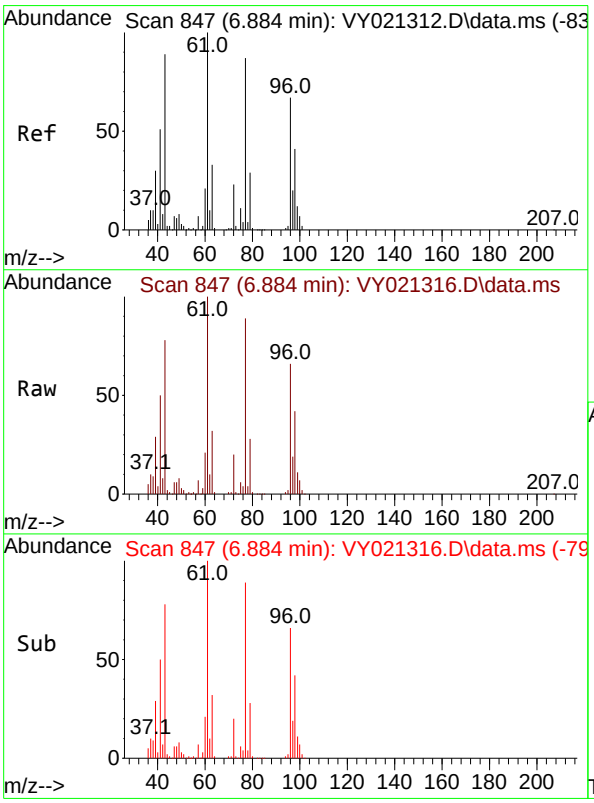
Supervised By :Mahesh Dadoda 02/26/2025

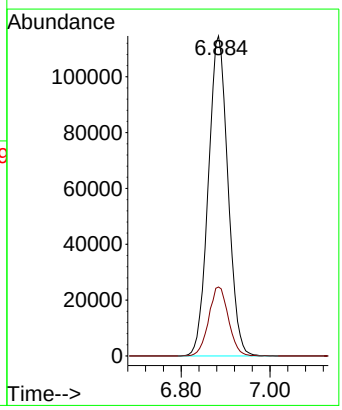


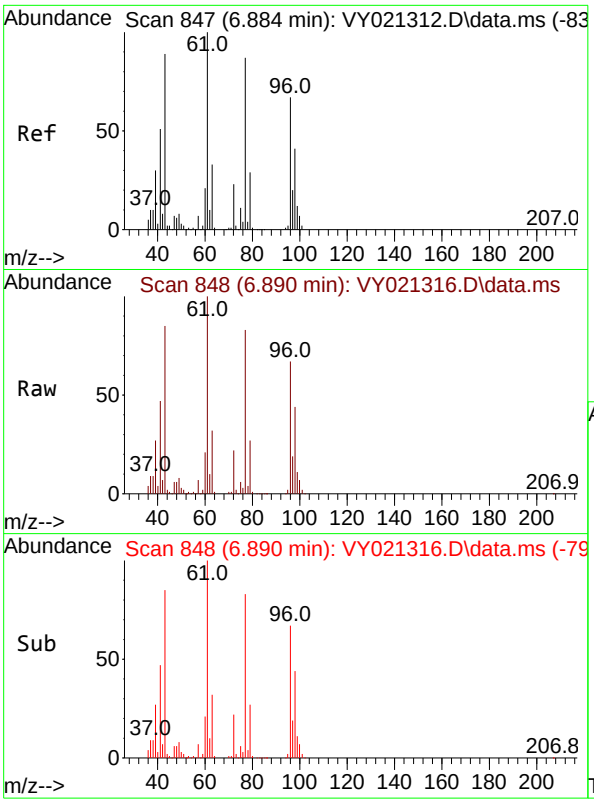


#26
2,2-Dichloropropane
Concen: 97.467 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 77 Resp: 350870

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

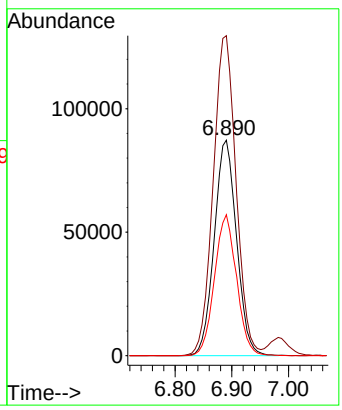




#27
cis-1,2-Dichloroethene
Concen: 99.061 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 23891

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	308.0
98	64.8	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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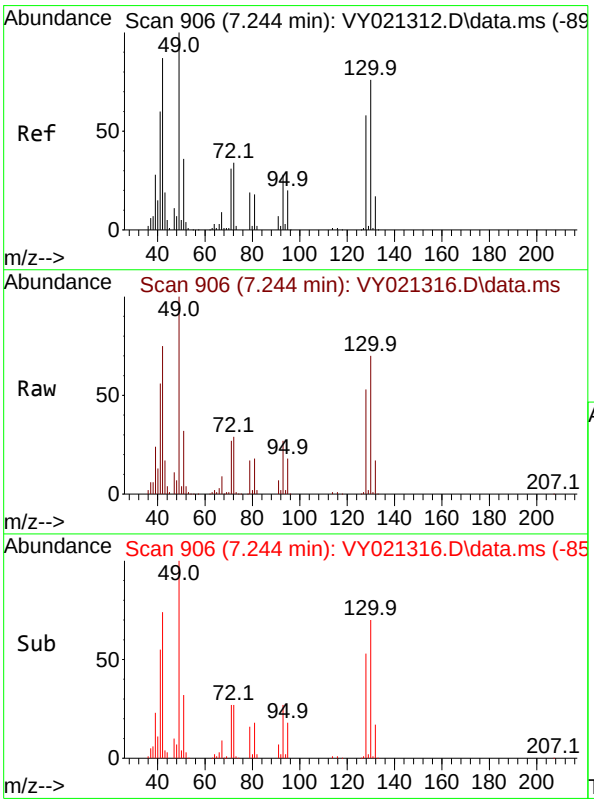
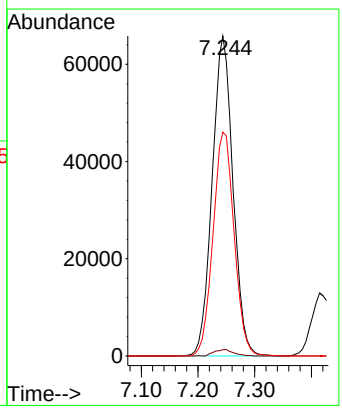
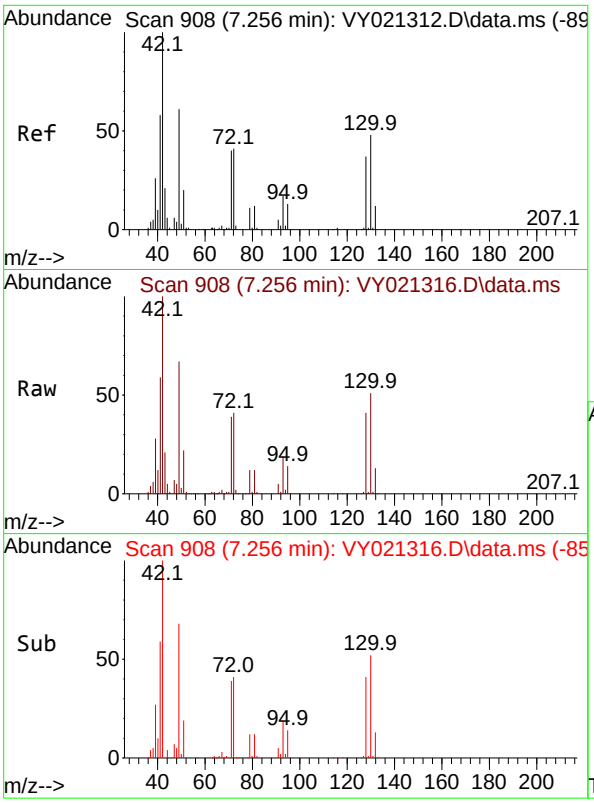


#28
Bromochloromethane
Concen: 95.287 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 49 Resp: 167271

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.2	57.8	86.6

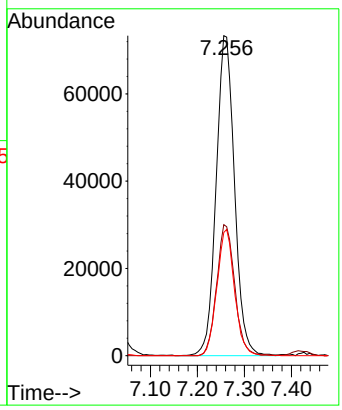




#29
Tetrahydrofuran
Concen: 486.299 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 42 Resp: 19905

Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.1	49.7
71	37.9	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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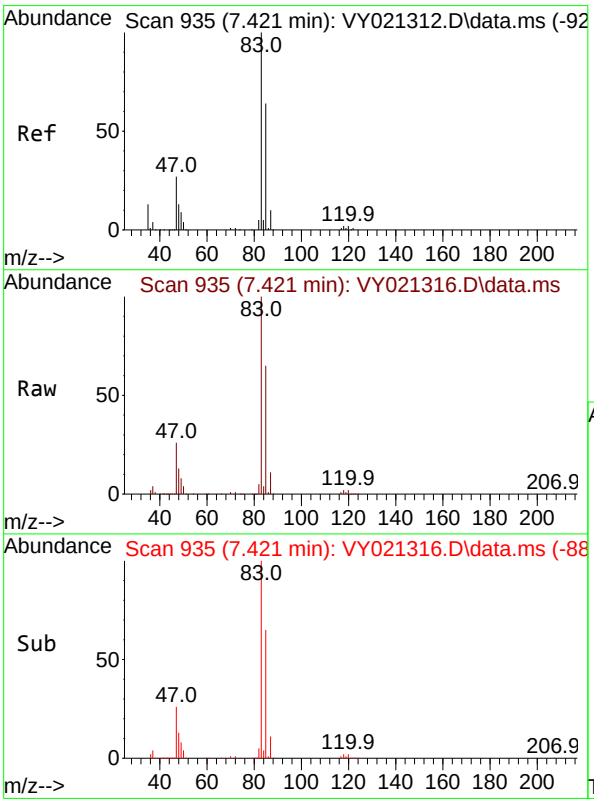
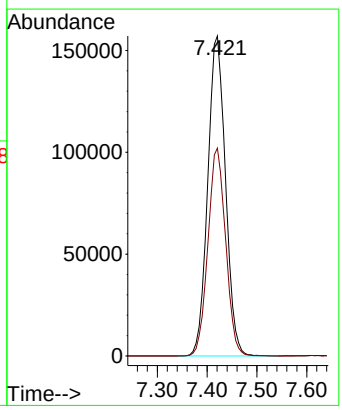
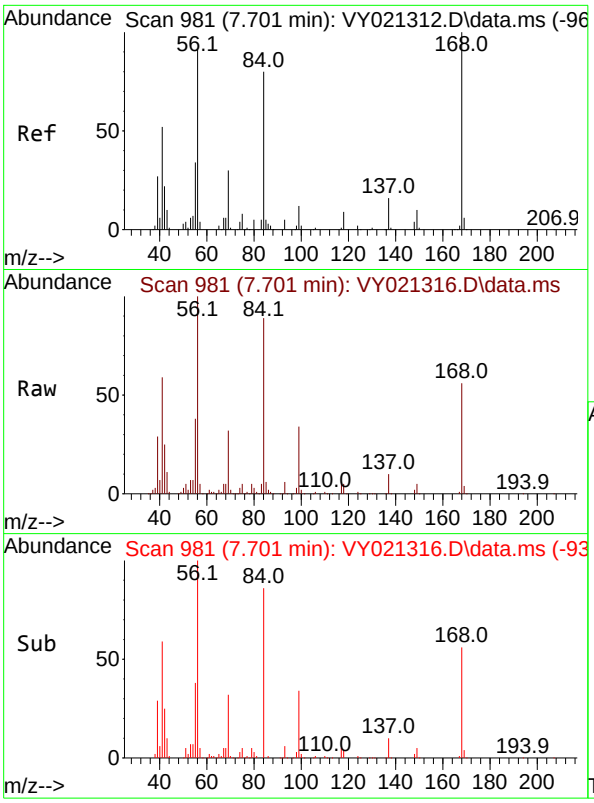


#30
Chloroform
Concen: 96.458 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 387767

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4

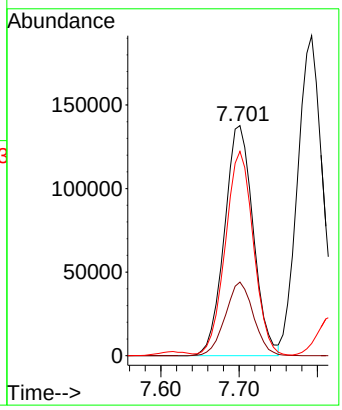




#31
Cyclohexane
Concen: 92.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 56 Resp: 35187

Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.2	39.4
84	87.4	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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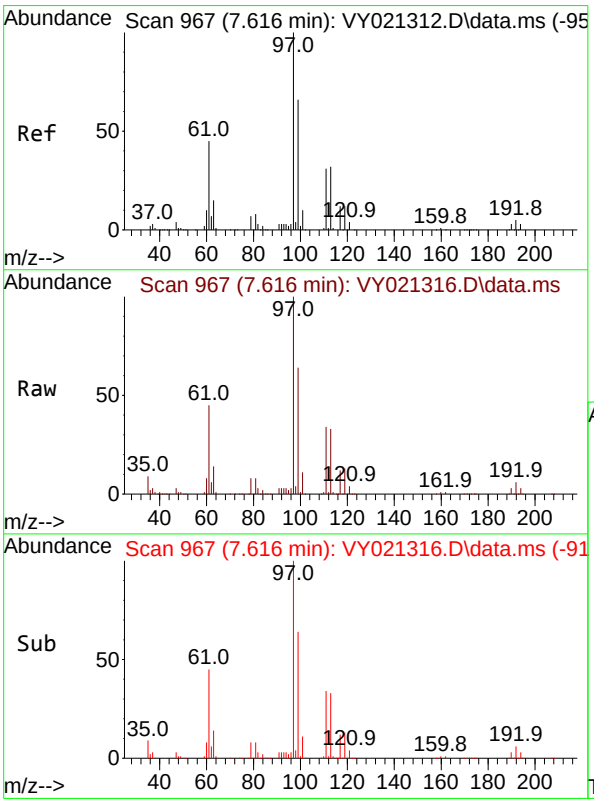
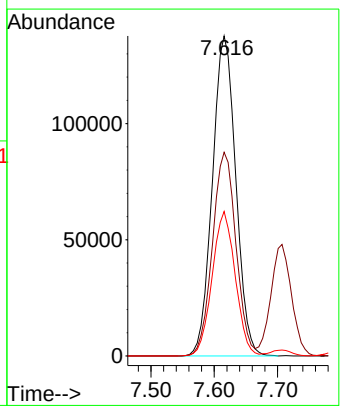
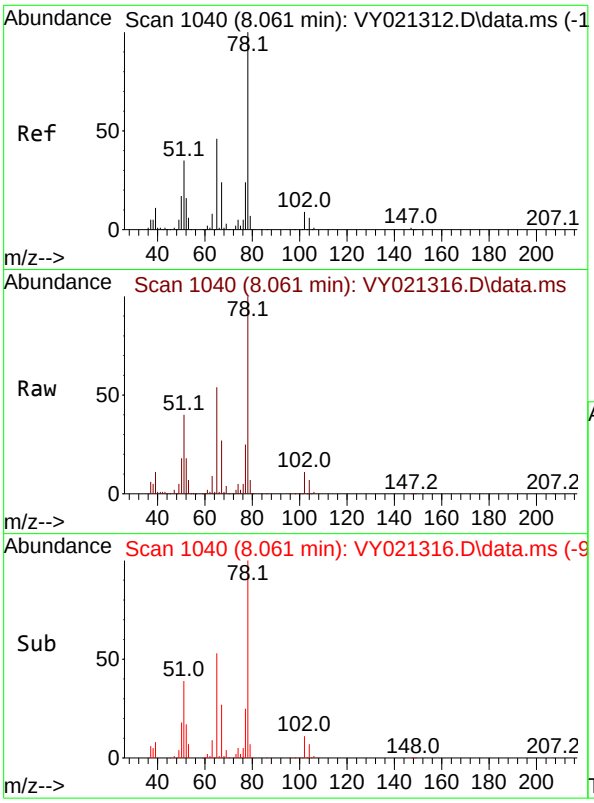


#32
1,1,1-Trichloroethane
Concen: 96.663 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 353701

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	44.5	36.2	54.2

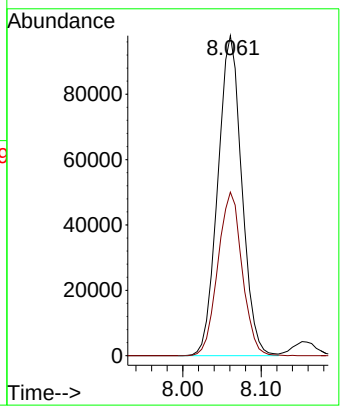




#33
1,2-Dichloroethane-d4
Concen: 96.407 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 65 Resp: 20853

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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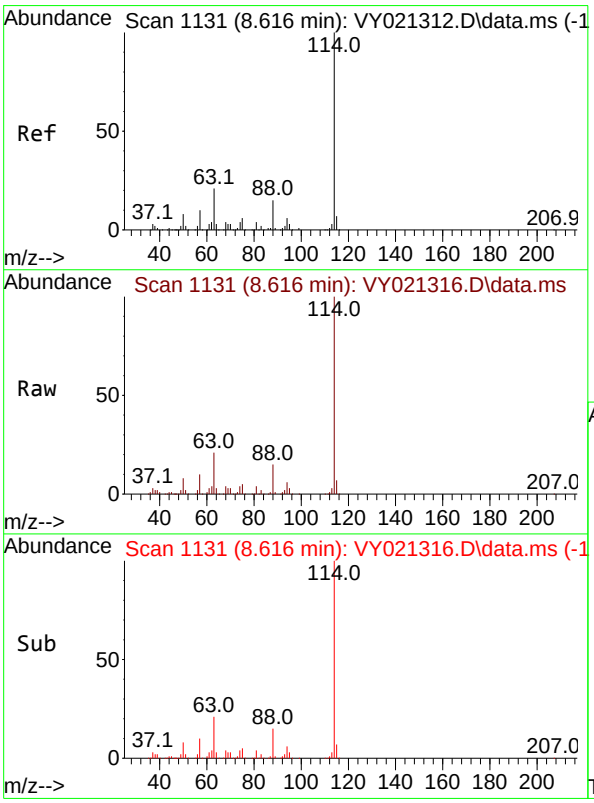
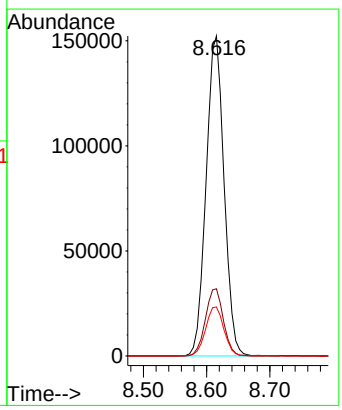
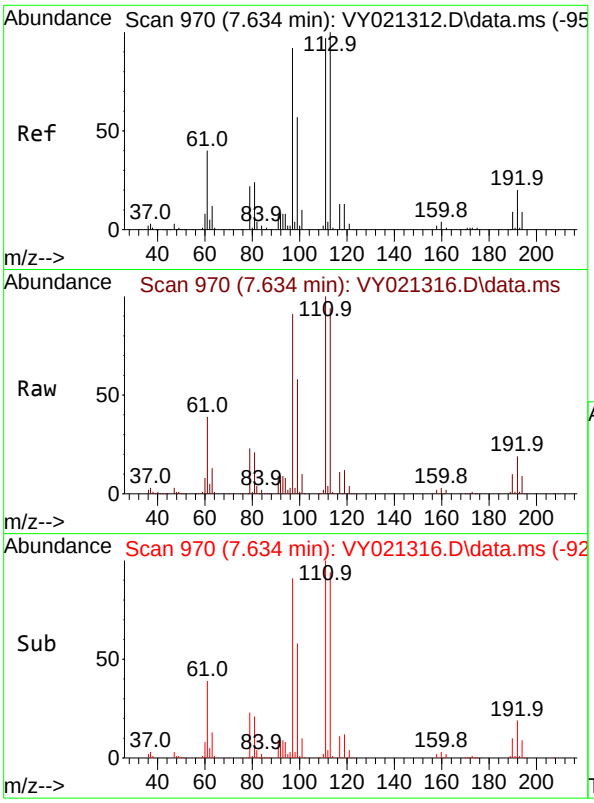


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:114 Resp: 300486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.2
88	15.3	0.0	29.8

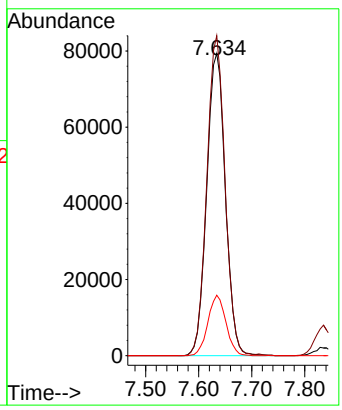




#35
Dibromofluoromethane
Concen: 98.377 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:113 Resp: 19380

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	19.4	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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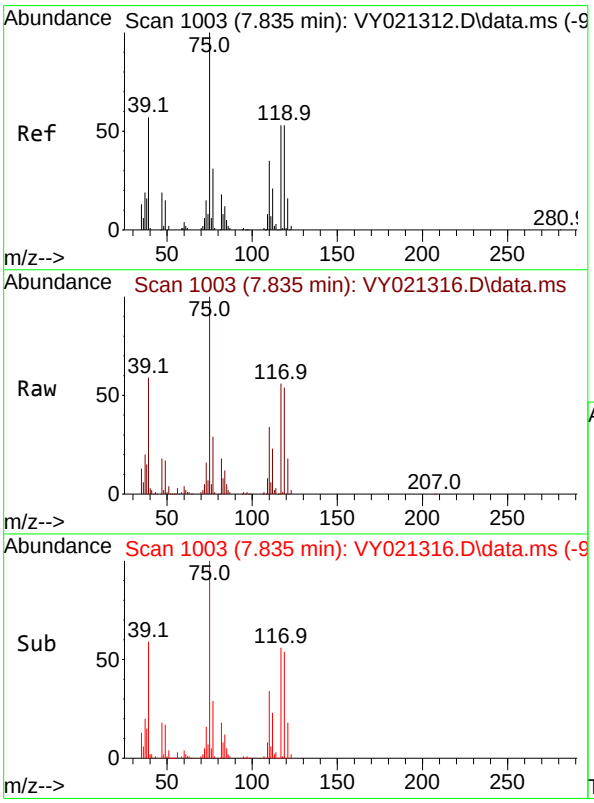
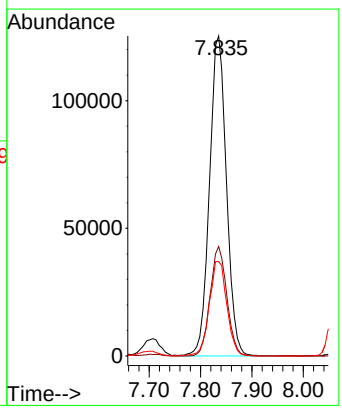
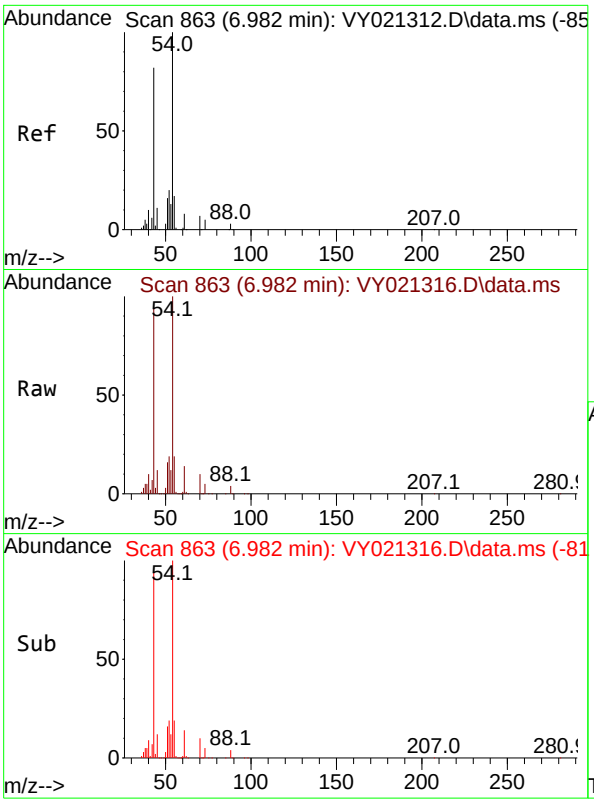


#36
1,1-Dichloropropene
Concen: 97.146 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 287472

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	30.5	24.6	36.8

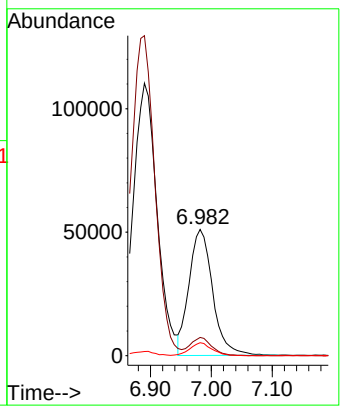




#37
Ethyl Acetate
Concen: 93.230 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 13723

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.5	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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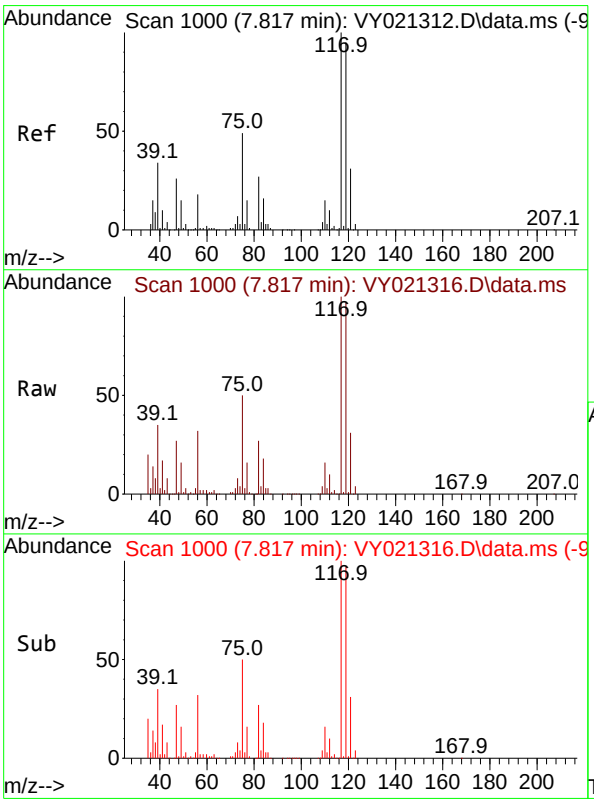
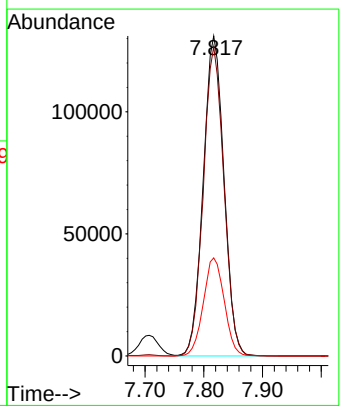
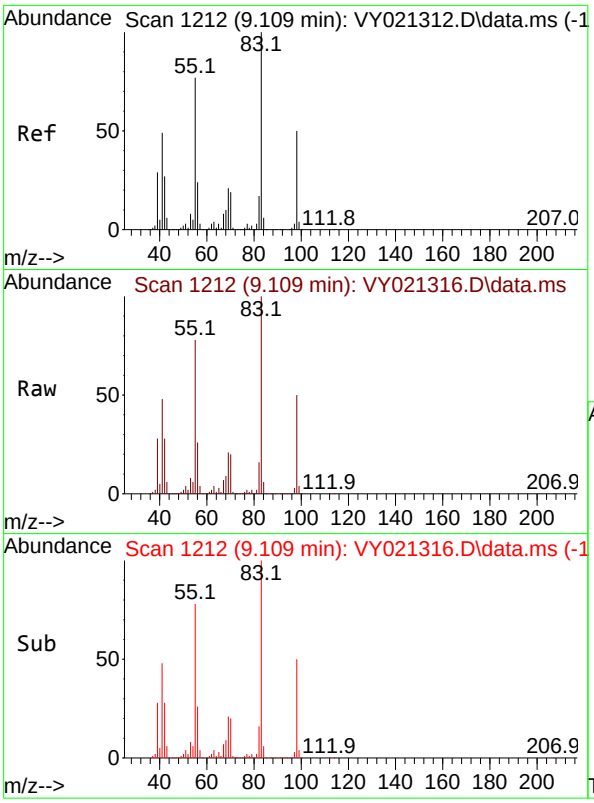


#38
Carbon Tetrachloride
Concen: 96.663 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 321576

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.0	114.0
121	30.7	24.9	37.3





#39
Methylcyclohexane
Concen: 99.169 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 37117

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.6	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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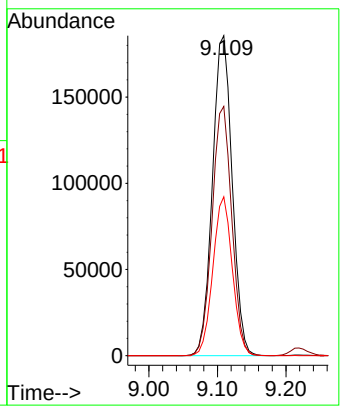
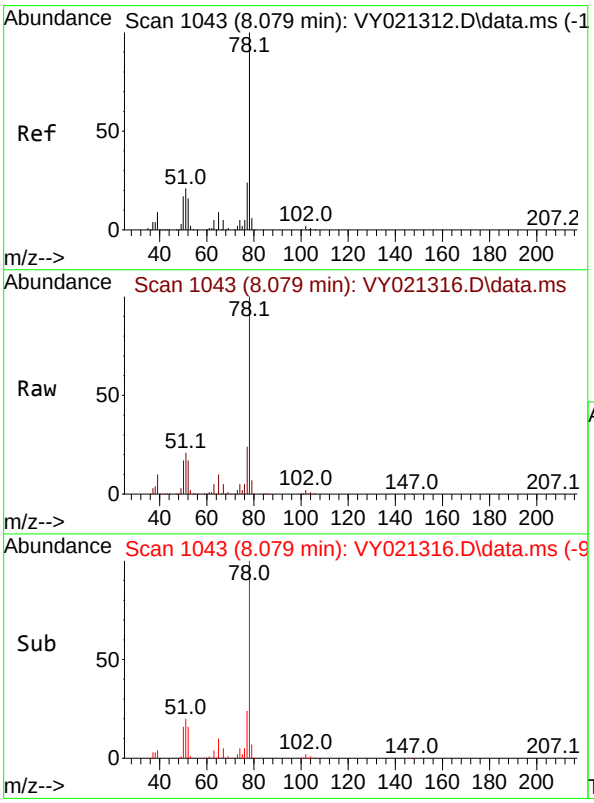
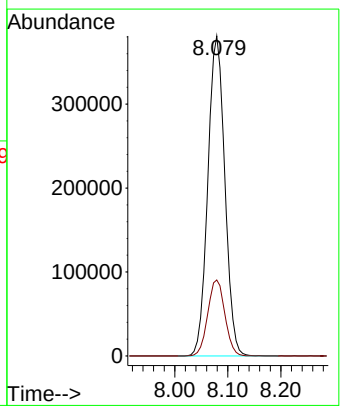


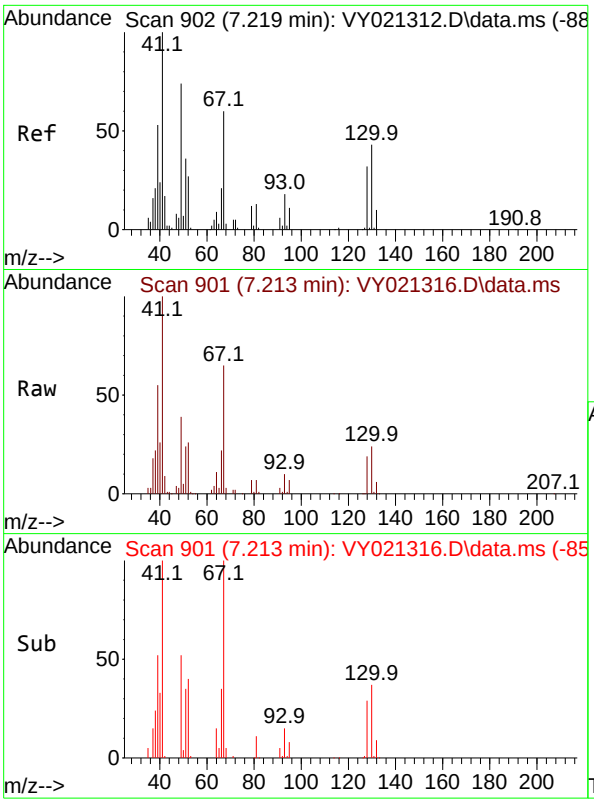


#40
Benzene
Concen: 96.835 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 78 Resp: 847066

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8

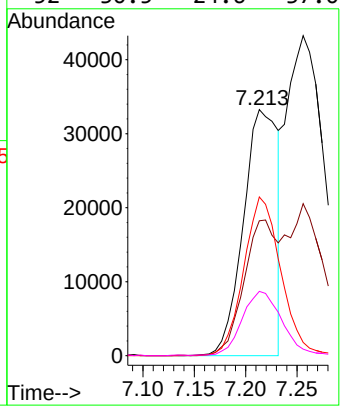




#41
Methacrylonitrile
Concen: 94.219 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 7754

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.3	63.5
67	69.9	54.8	82.2
52	30.5	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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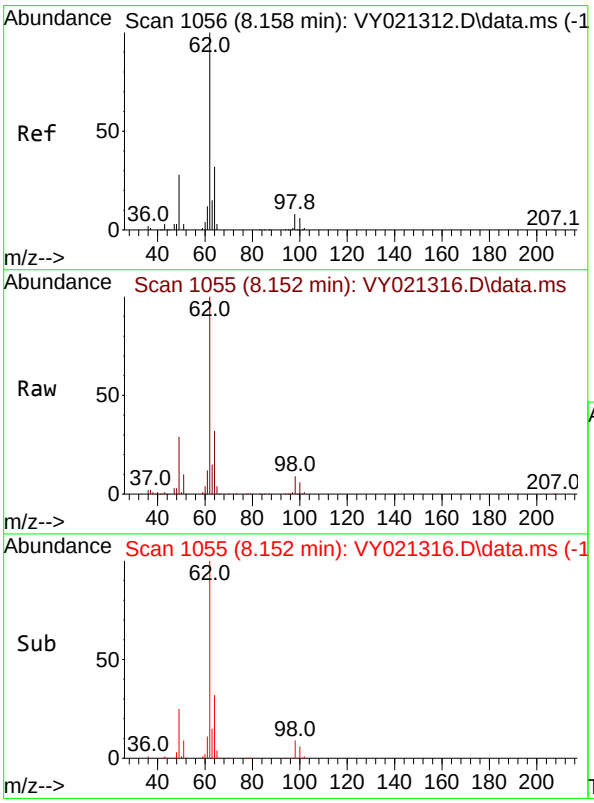
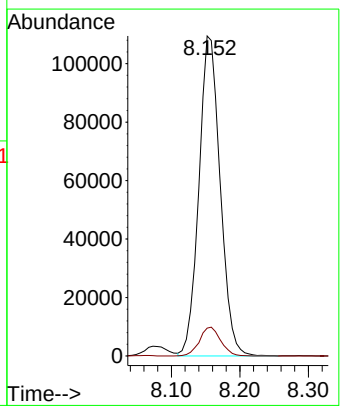
Supervised By :Mahesh Dadoda 02/26/2025

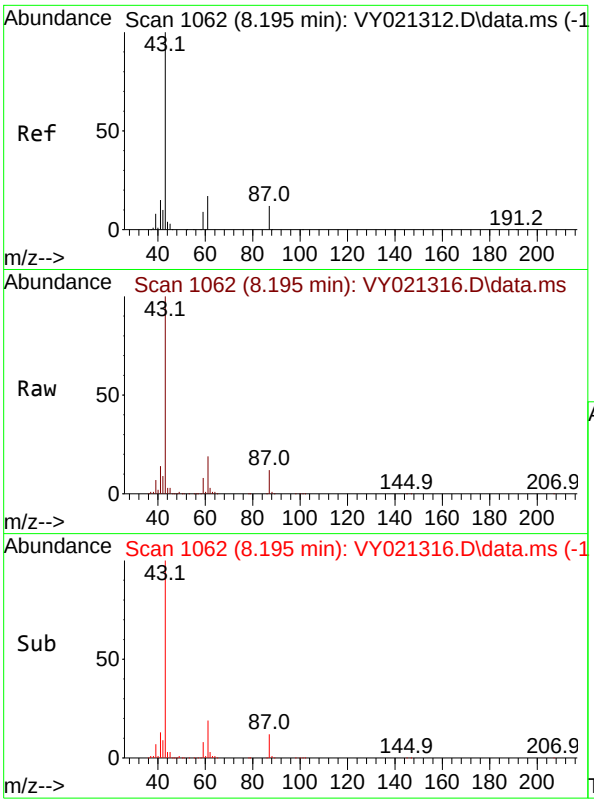


#42
1,2-Dichloroethane
Concen: 95.375 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 236704

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43
Isopropyl Acetate
Concen: 98.388 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 28032

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.6
87	12.2	10.0	15.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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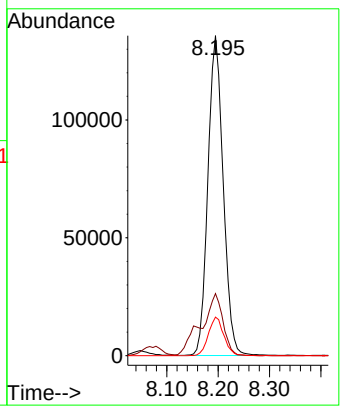
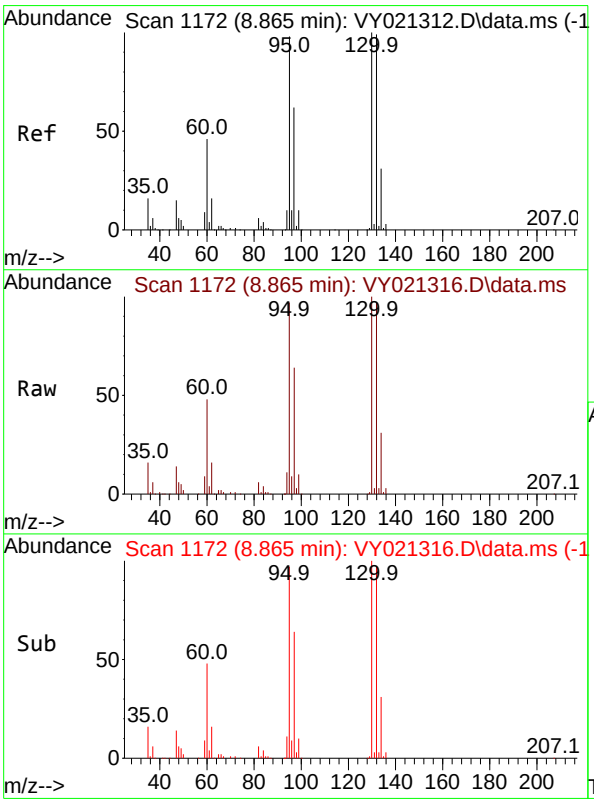
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

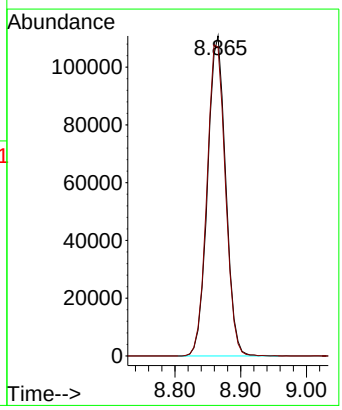


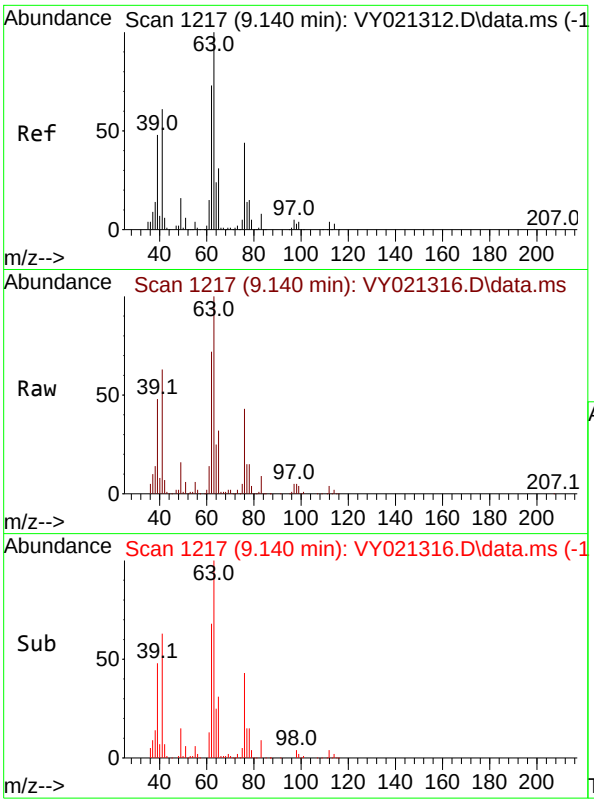


#44
Trichloroethene
Concen: 97.057 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:130 Resp: 212562

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0

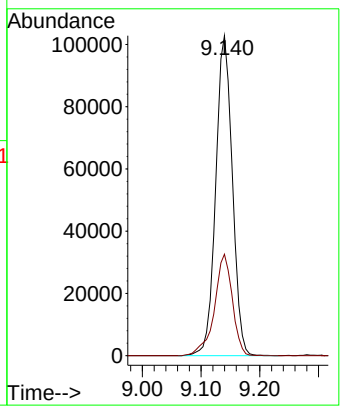




#45
1,2-Dichloropropane
Concen: 95.814 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 20170

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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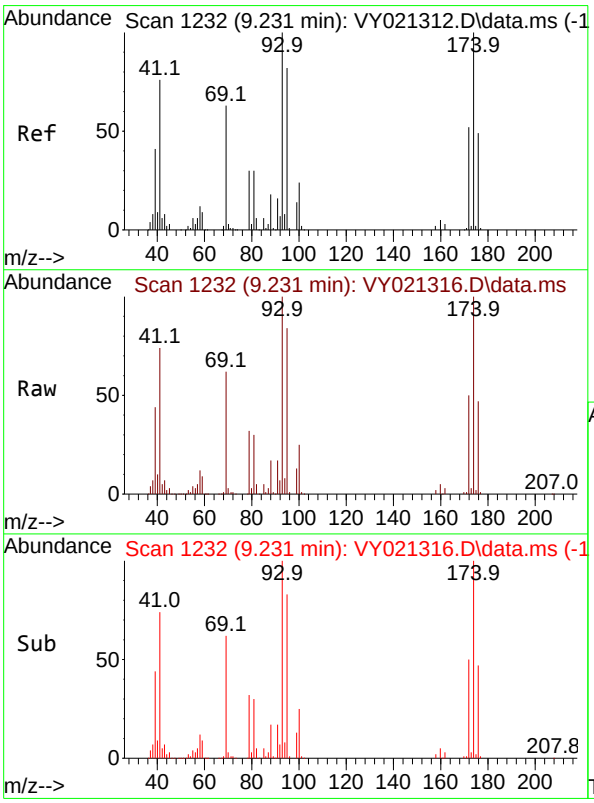
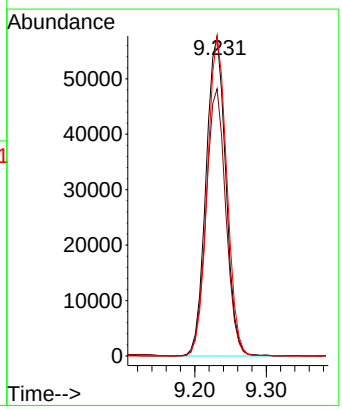
Supervised By :Mahesh Dadoda 02/26/2025

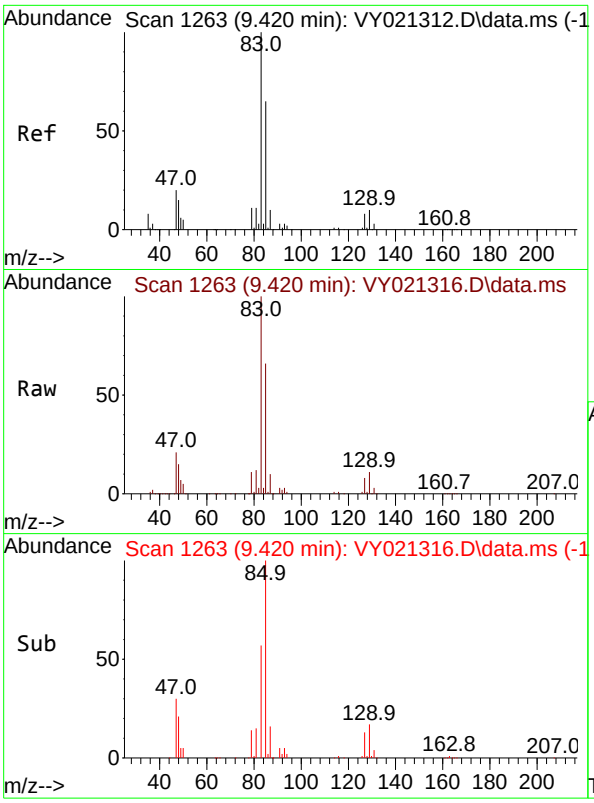


#46
Dibromomethane
Concen: 96.301 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 93 Resp: 110814

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	98.3	78.2	117.2

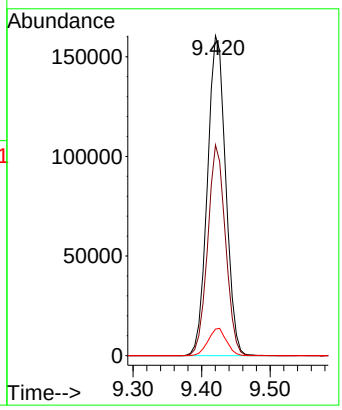




#47
Bromodichloromethane
Concen: 96.904 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 29732

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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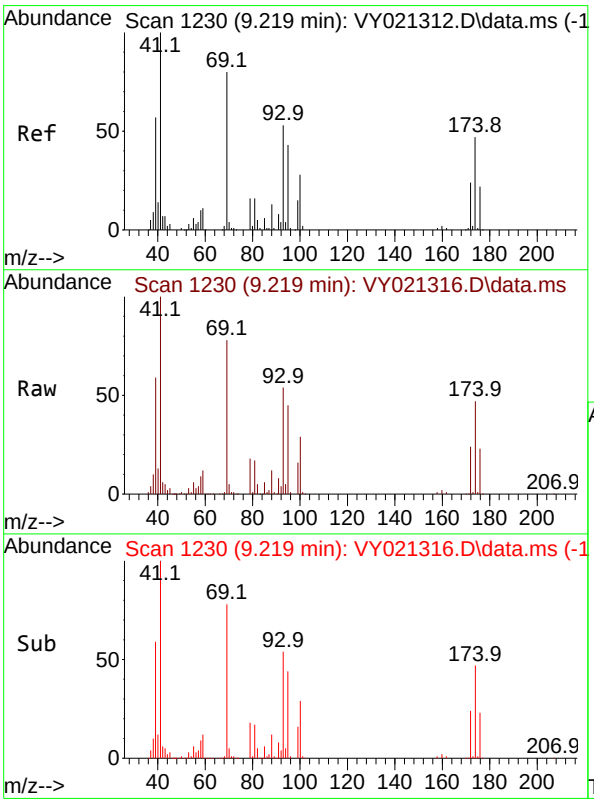
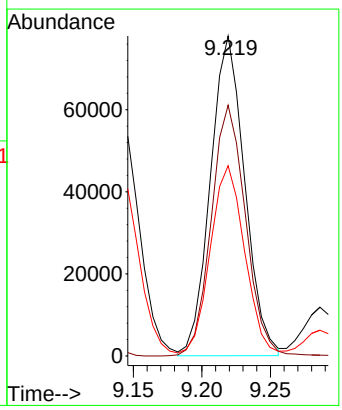
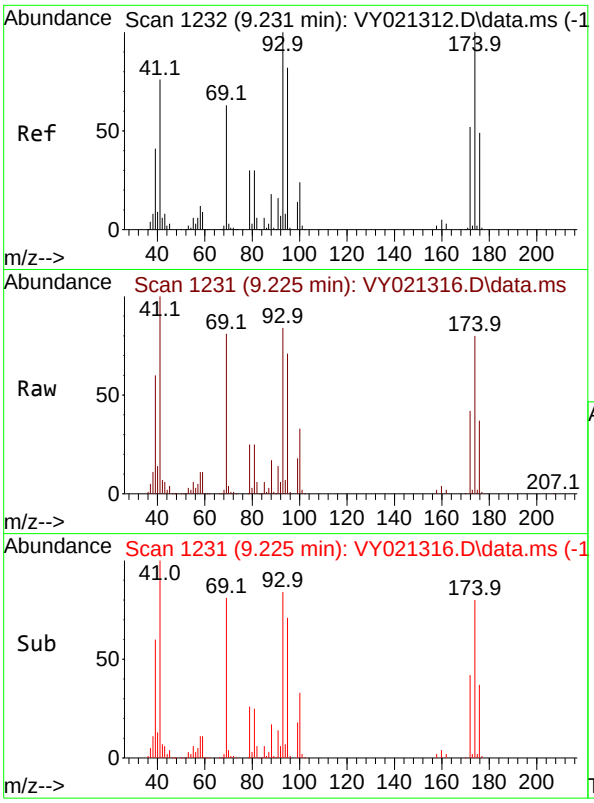


#48
Methyl methacrylate
Concen: 101.635 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 135412

Ion	Ratio	Lower	Upper
41	100		
69	78.9	63.3	94.9
39	58.0	45.0	67.6

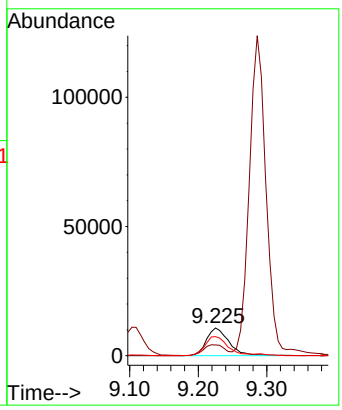




#49
1,4-Dioxane
Concen: 1903.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 88 Resp: 2435

Ion	Ratio	Lower	Upper
88	100		
43	38.0	34.8	52.2
58	70.4	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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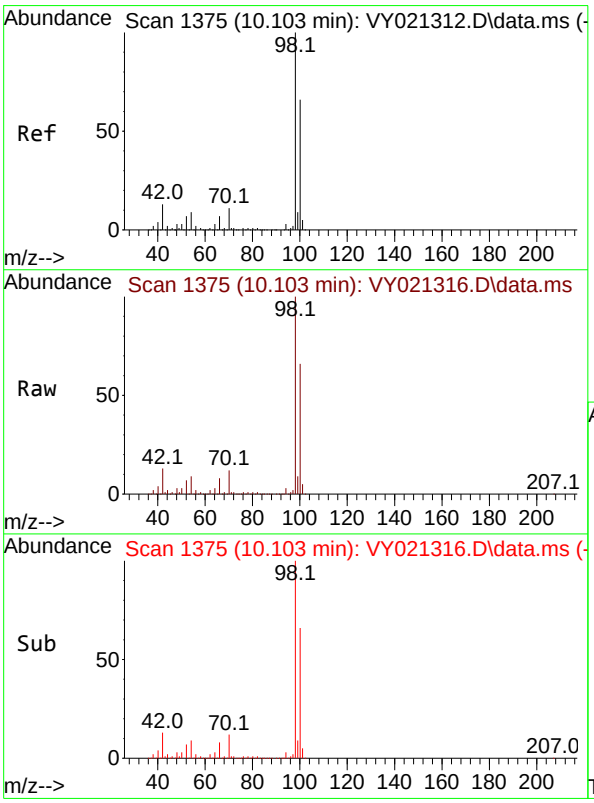
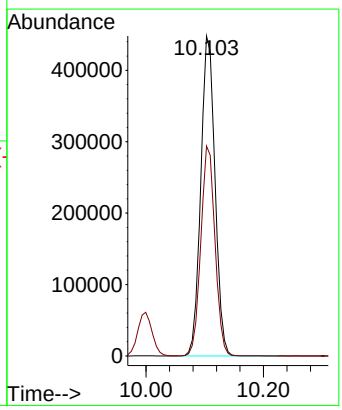
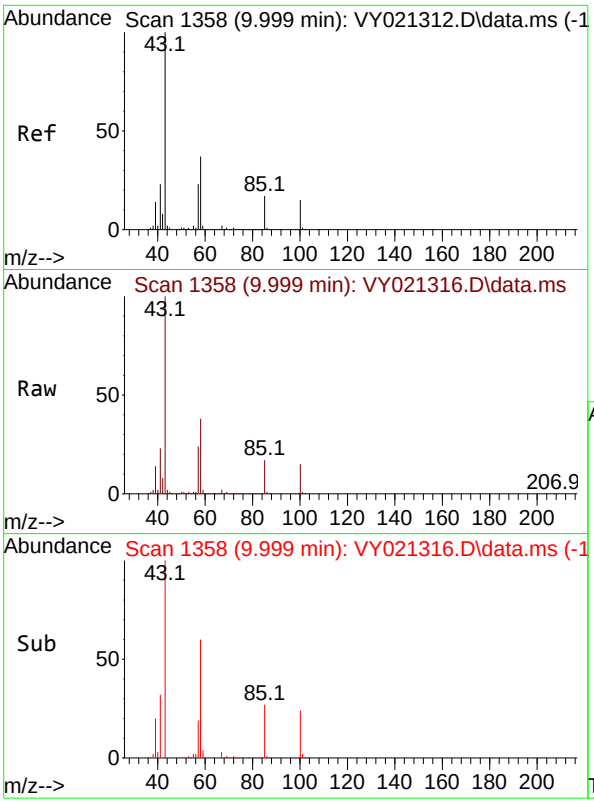


#50
Toluene-d8
Concen: 98.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 98 Resp: 752895

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6

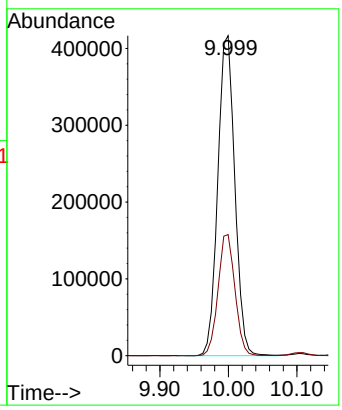




#51
4-Methyl-2-Pentanone
Concen: 490.938 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 71600

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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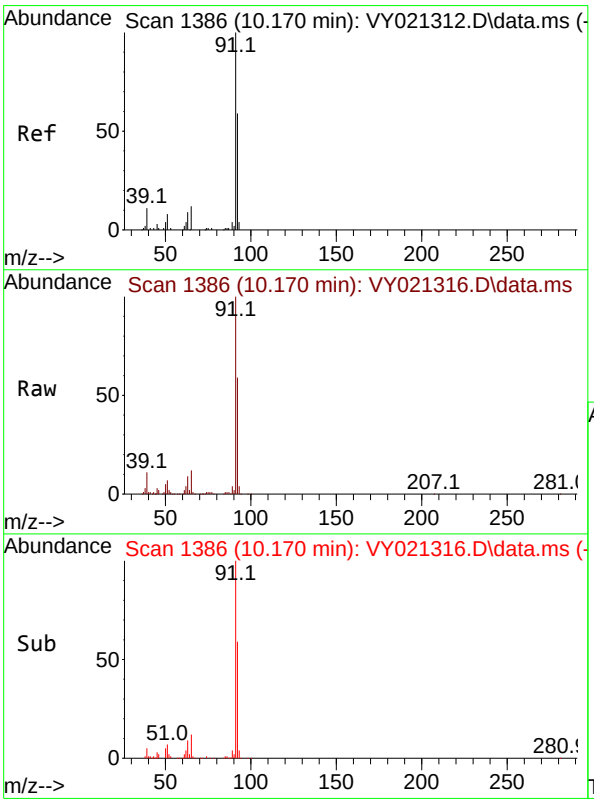
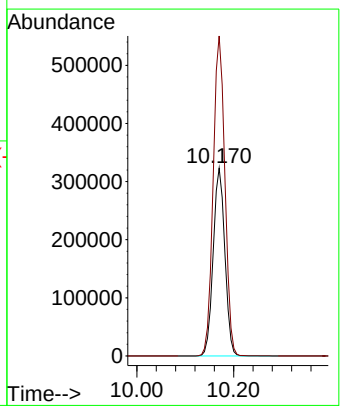
Supervised By :Mahesh Dadoda 02/26/2025

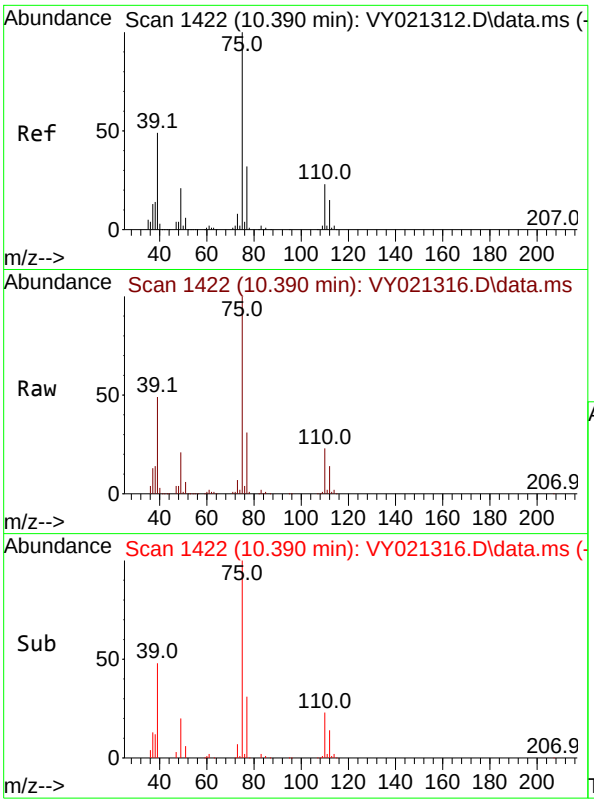


#52
Toluene
Concen: 99.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 92 Resp: 539016

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8

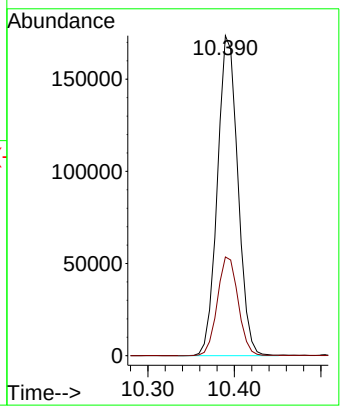




#53
t-1,3-Dichloropropene
Concen: 101.290 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 28473

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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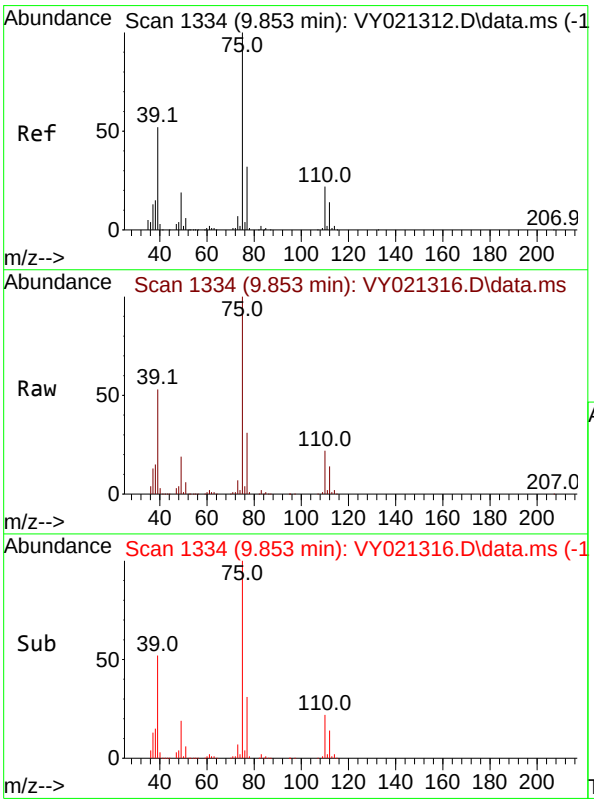
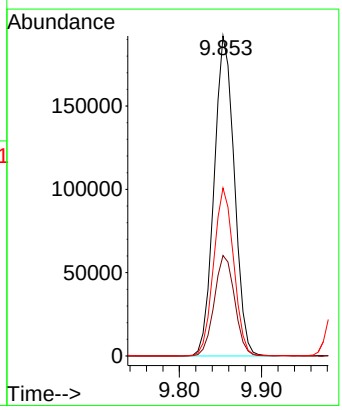
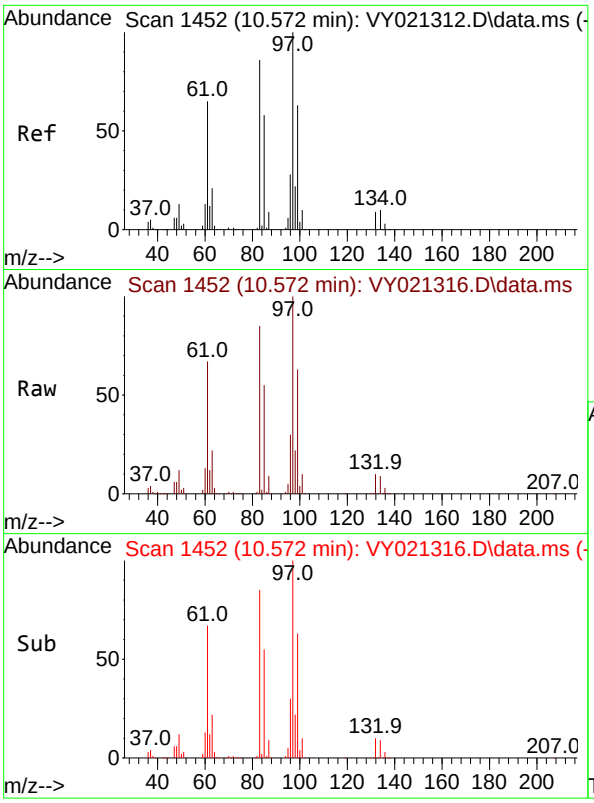


#54
cis-1,3-Dichloropropene
Concen: 98.870 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 328107

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	52.5	41.8	62.6

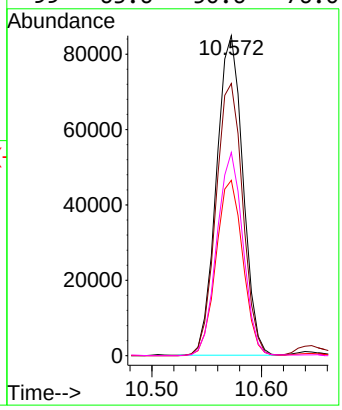




#55
1,1,2-Trichloroethane
Concen: 94.975 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 14237

Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.7	103.1
85	54.9	46.3	69.5
99	63.6	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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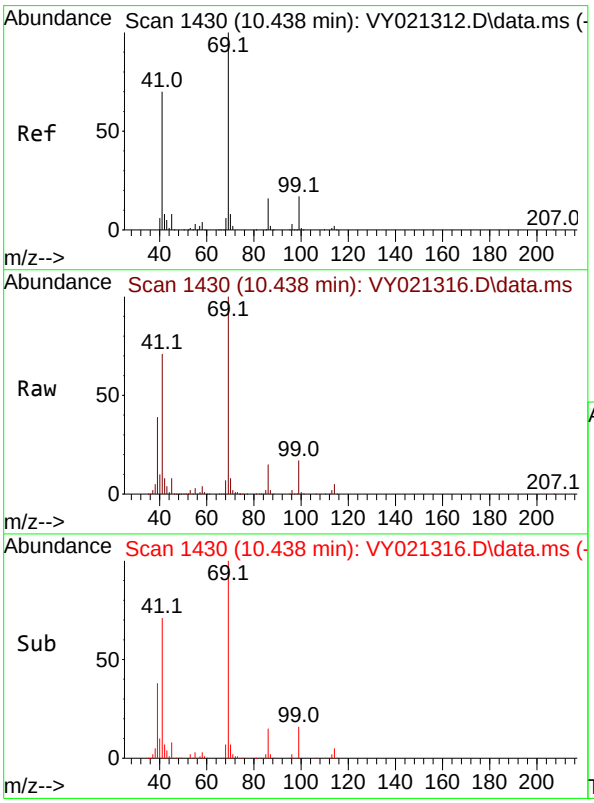
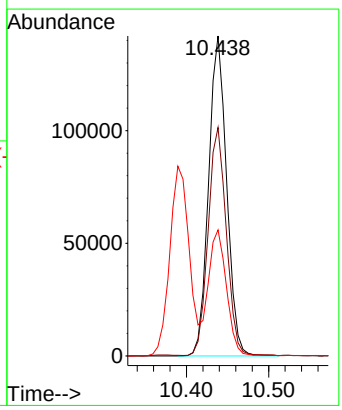
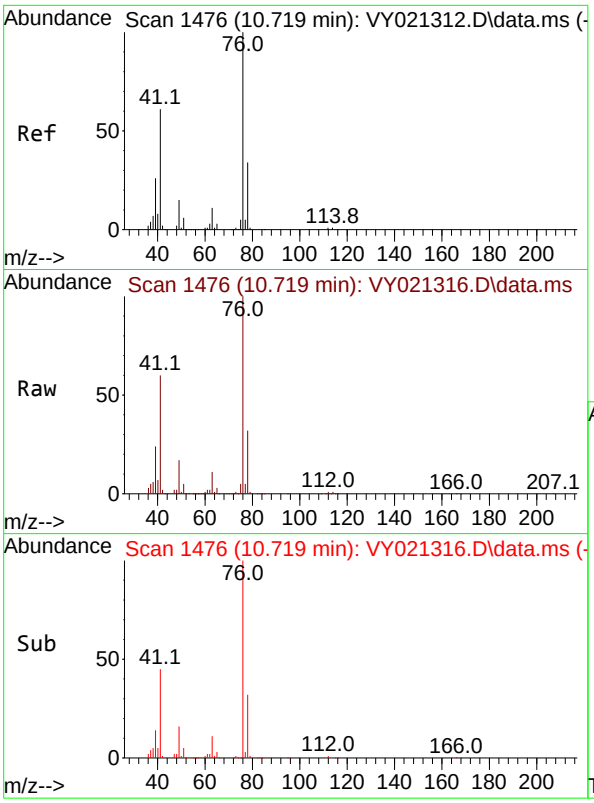


#56
Ethyl methacrylate
Concen: 104.564 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 69 Resp: 216586

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.2	84.4
39	40.2	32.7	49.1





#57
1,3-Dichloropropane
Concen: 97.283 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 76 Resp: 25590

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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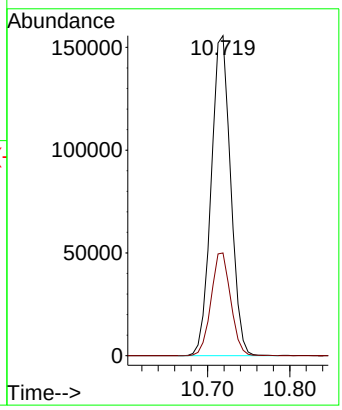
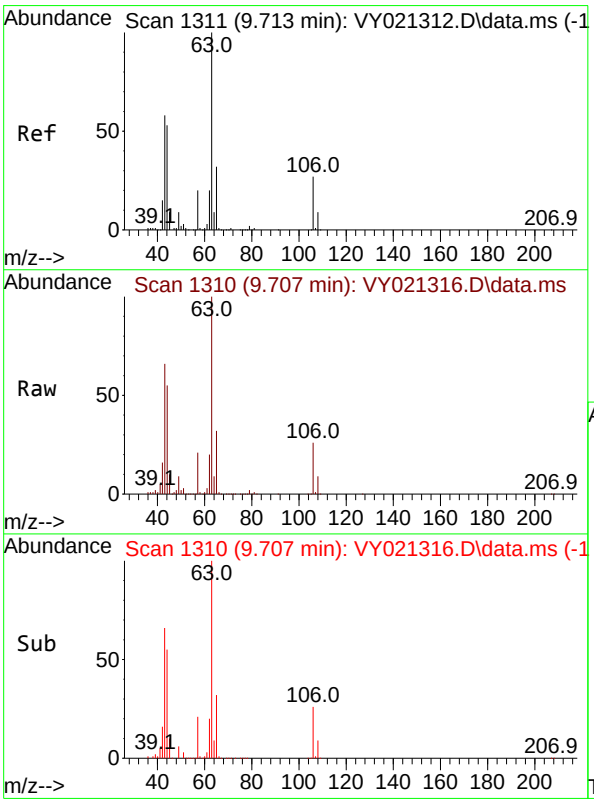
Supervised By :Mahesh Dadoda 02/26/2025

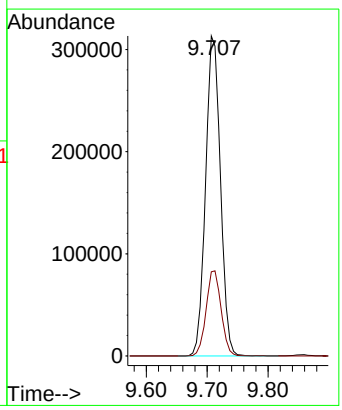


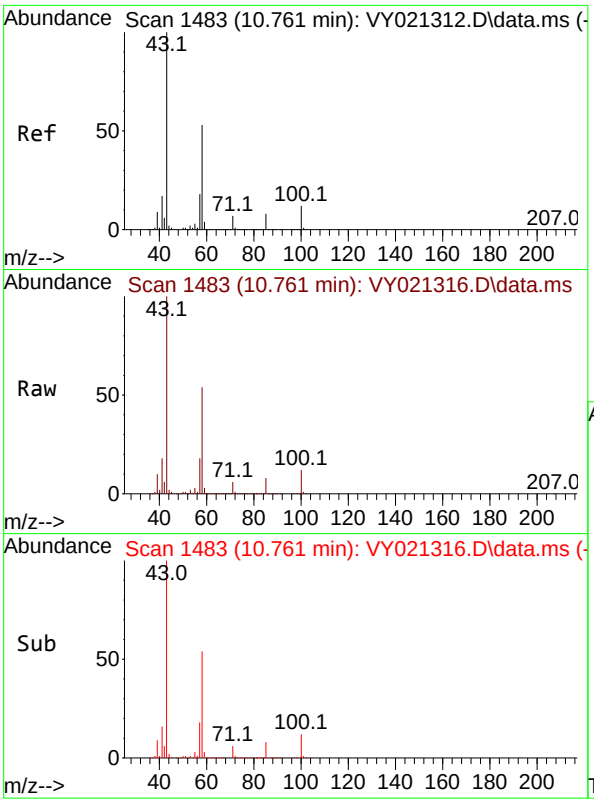


#58
2-Chloroethyl Vinyl ether
Concen: 533.791 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 530695

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#59
2-Hexanone
Concen: 507.115 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 48573

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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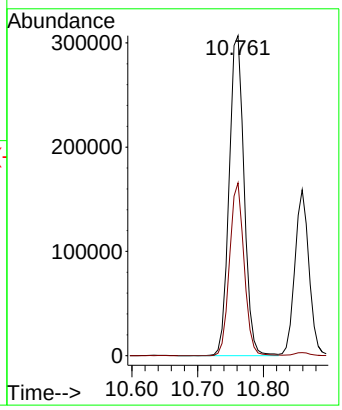
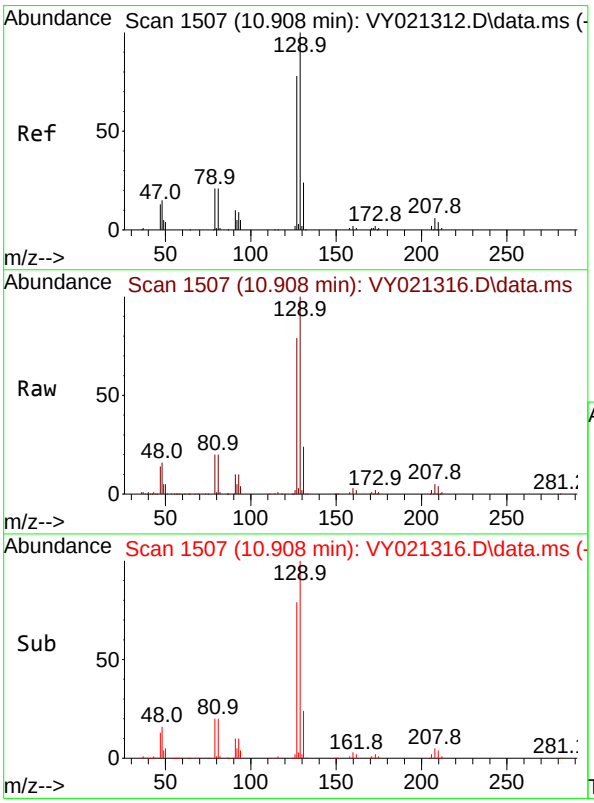
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

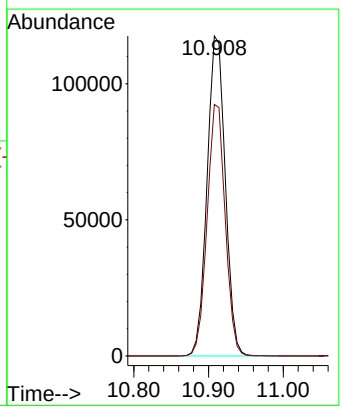


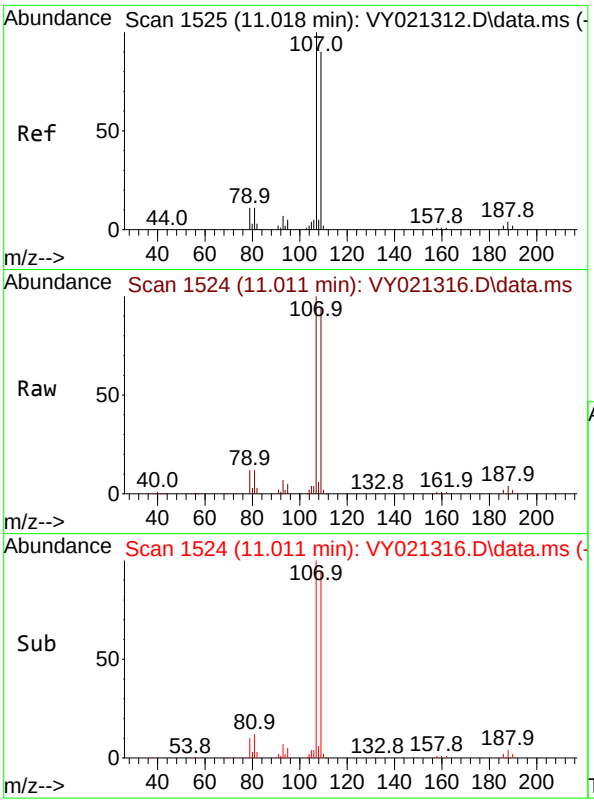


#60
Dibromochloromethane
Concen: 97.582 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:129 Resp: 199225

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.8	116.4

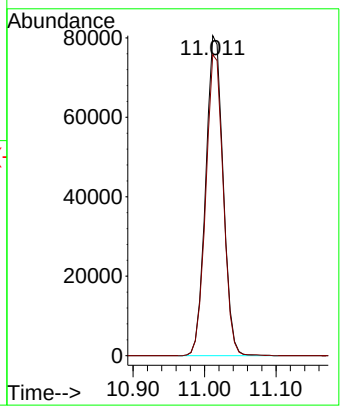




#61
1,2-Dibromoethane
Concen: 96.029 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:107 Resp: 13628

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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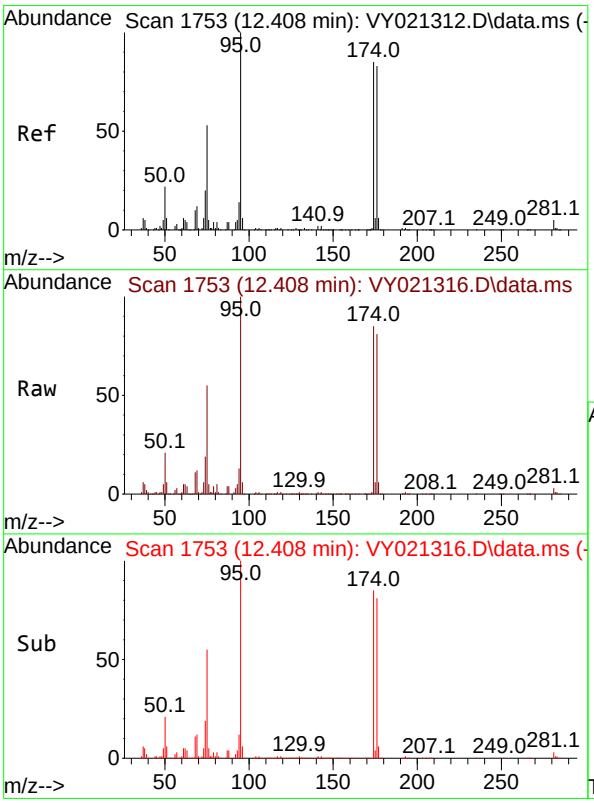
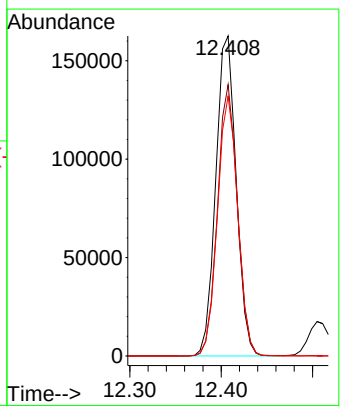
Supervised By :Mahesh Dadoda 02/26/2025

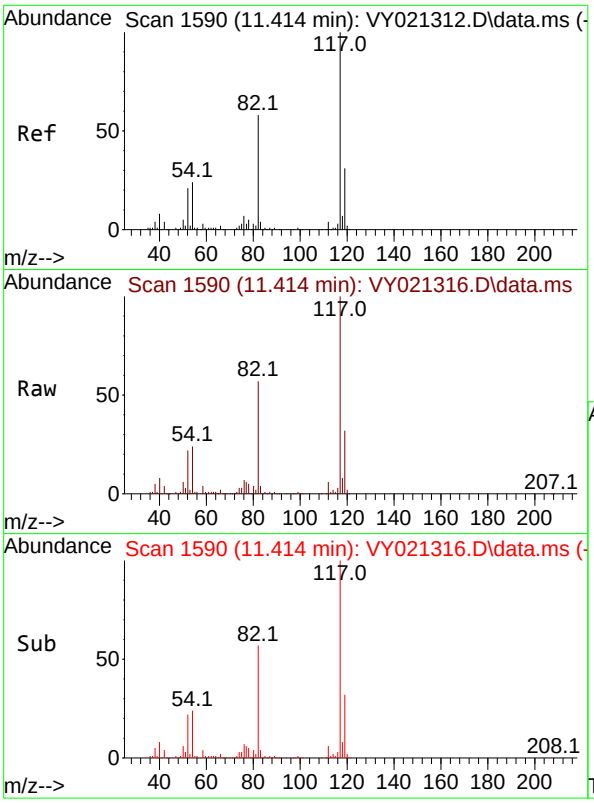


#62
4-Bromofluorobenzene
Concen: 98.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 95 Resp: 252327

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 26715

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.2	69.4
119	31.5	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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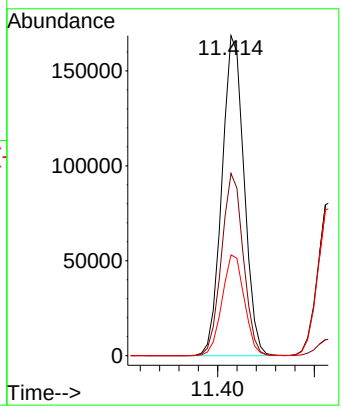
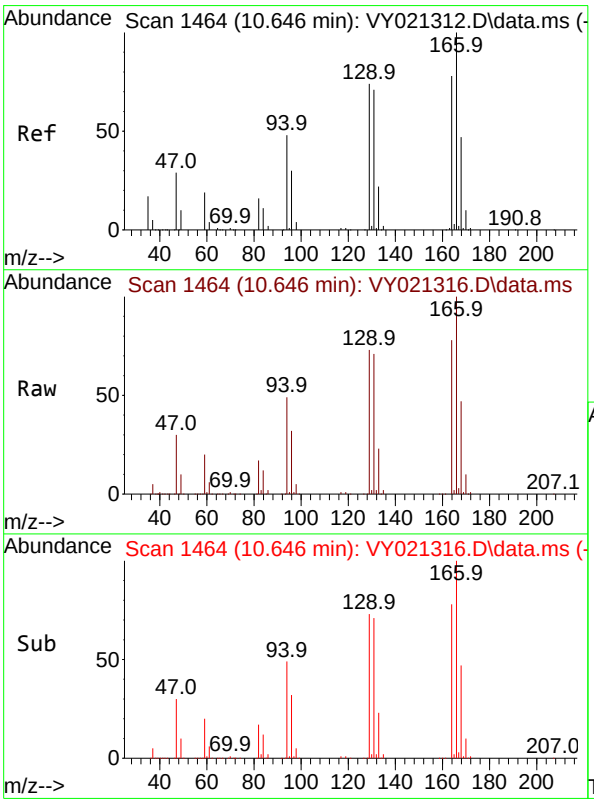
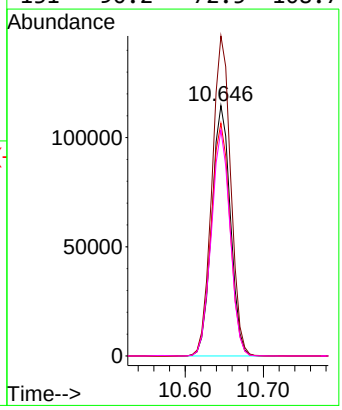


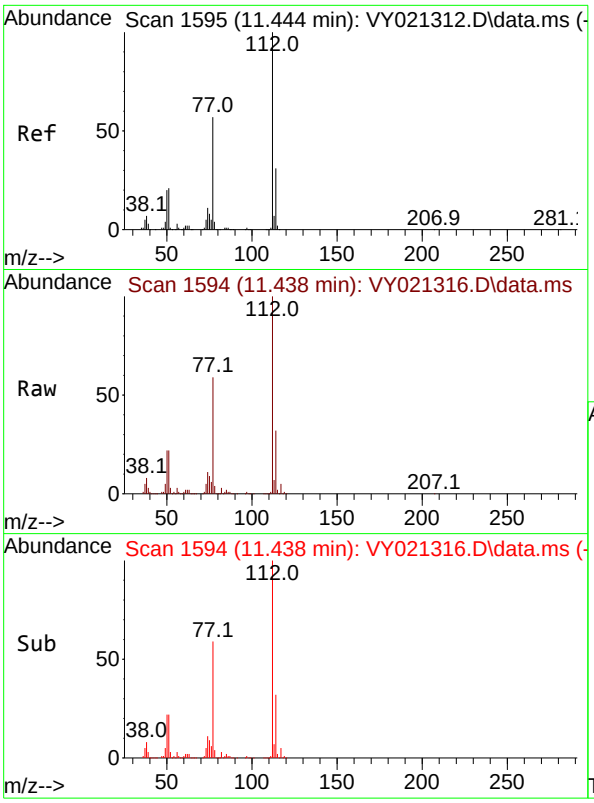


#64
Tetrachloroethene
Concen: 93.936 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:164 Resp: 189679

Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.9	152.9
129	92.9	75.5	113.3
131	90.2	72.5	108.7

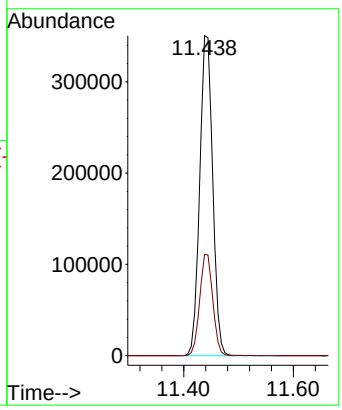




#65
Chlorobenzene
Concen: 96.070 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:112 Resp: 57610

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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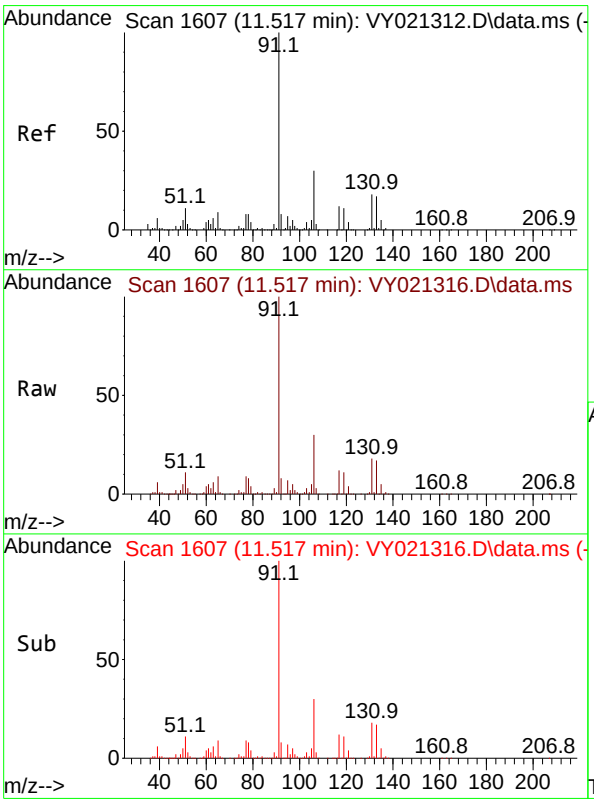
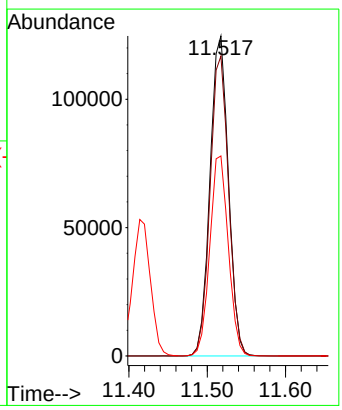
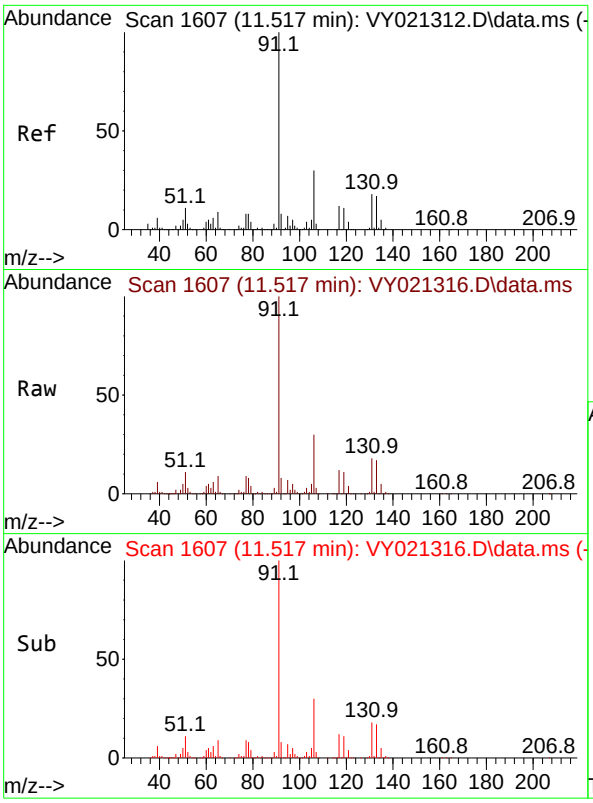


#66
1,1,1,2-Tetrachloroethane
Concen: 97.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:131 Resp: 203696

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.6
119	62.8	31.7	95.1

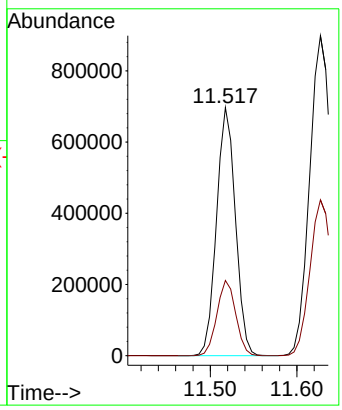




#67
Ethyl Benzene
Concen: 99.522 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 105712

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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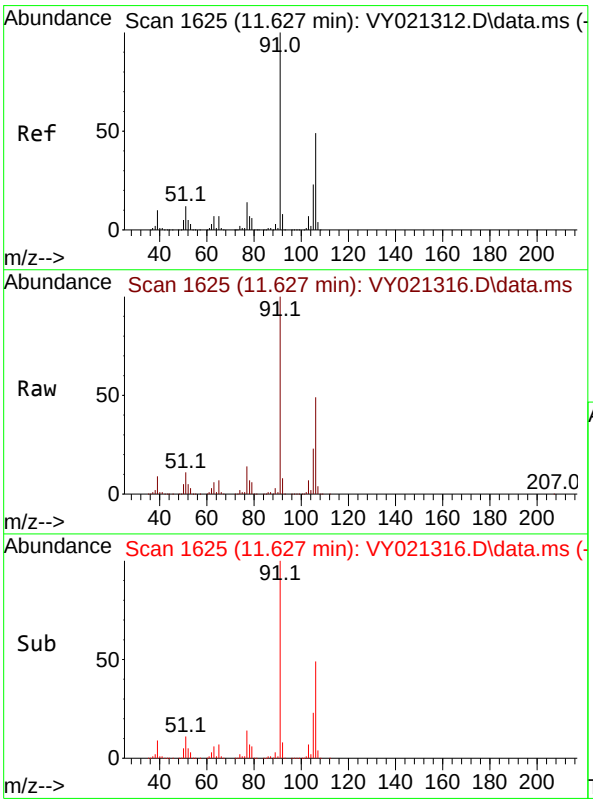
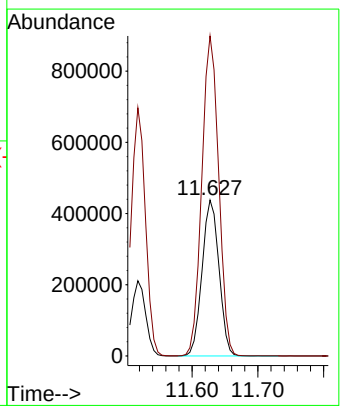
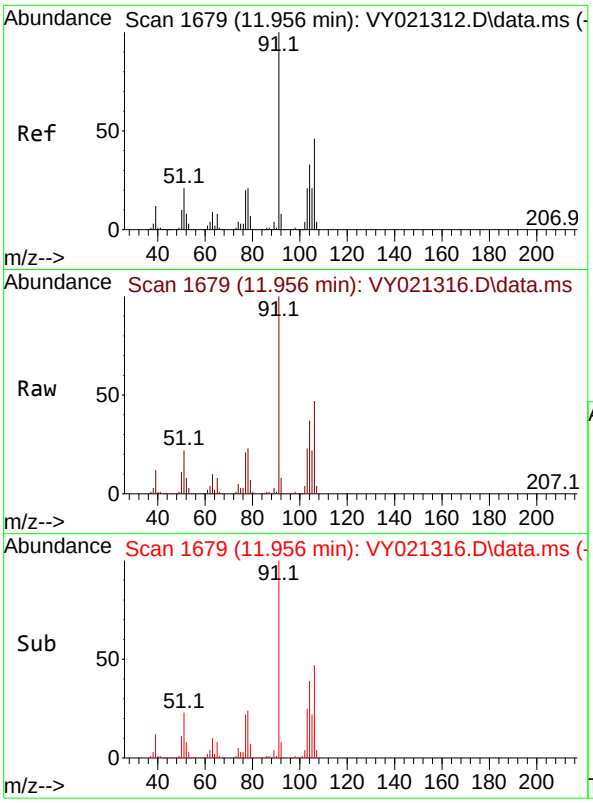


#68
m/p-Xylenes
Concen: 195.986 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 783034

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9





#69
o-Xylene
Concen: 99.112 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 37096

Ion	Ratio	Lower	Upper
106	100		
91	216.3	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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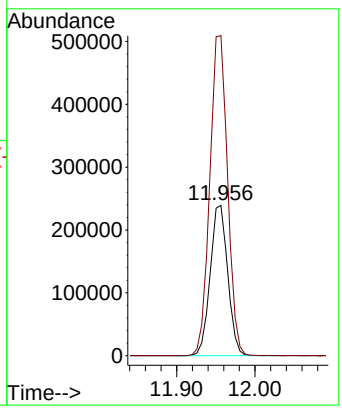
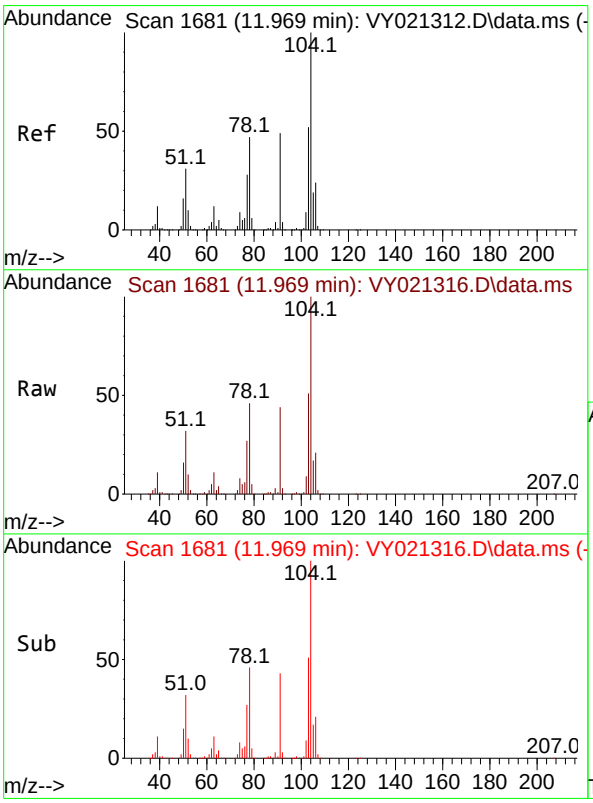
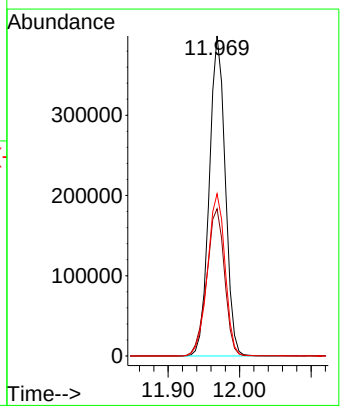


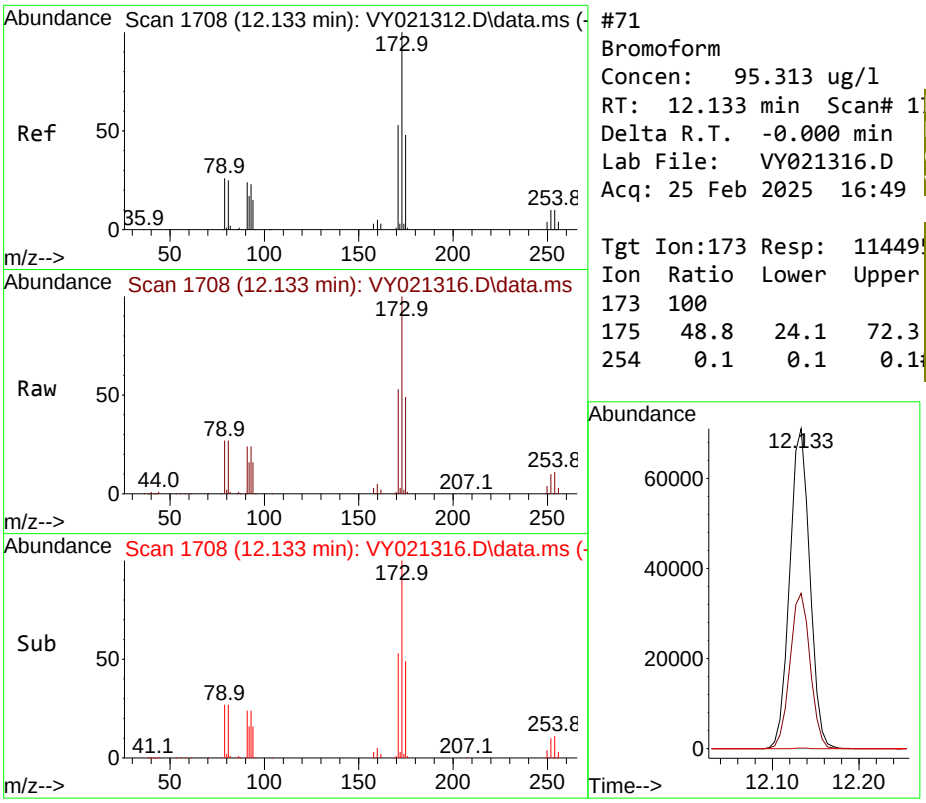


#70
Styrene
Concen: 99.469 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:104 Resp: 619437

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	55.4	43.9	65.9





#71
Bromoform
Concen: 95.313 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:173 Resp: 11449

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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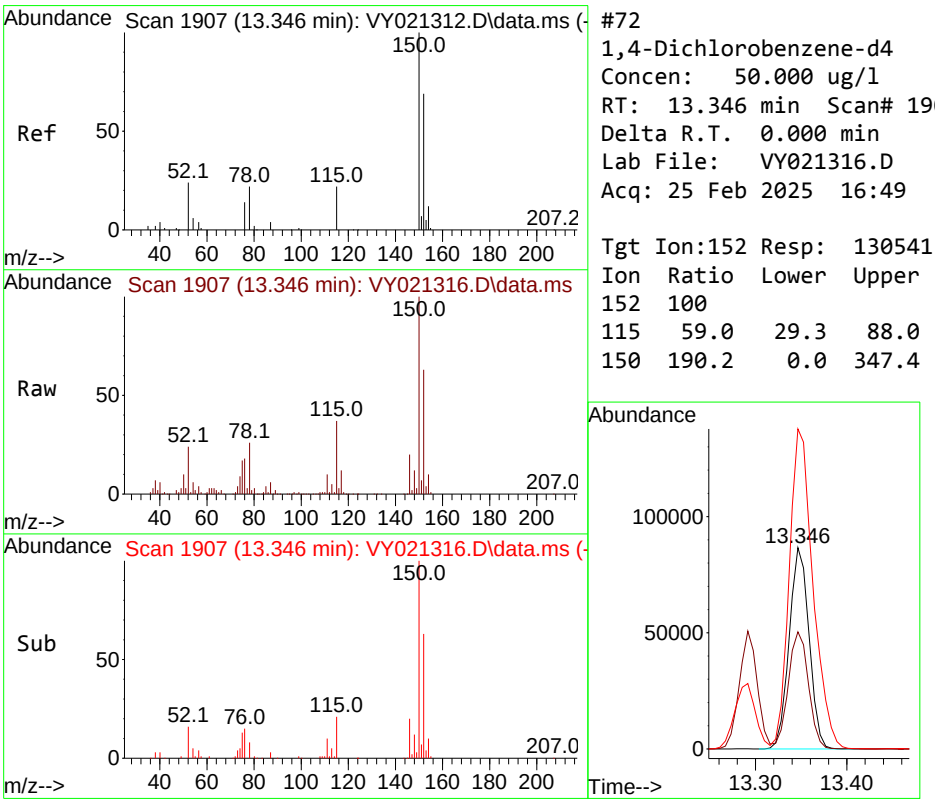
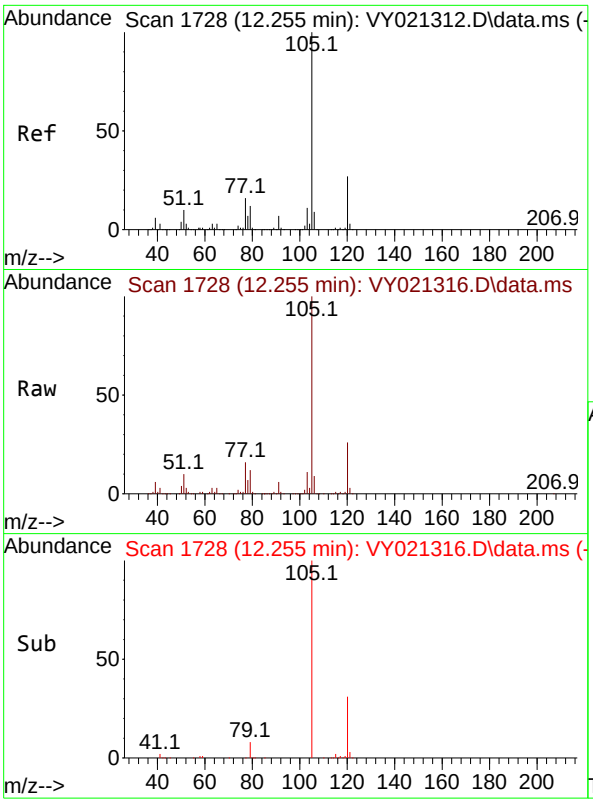


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:152 Resp: 130541

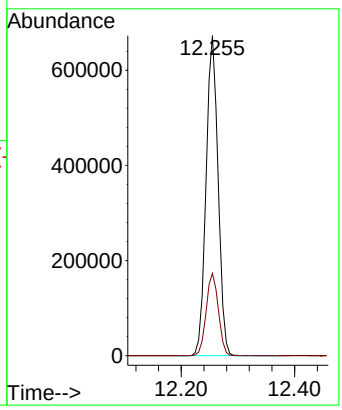
Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	190.2	0.0	347.4



#73
Isopropylbenzene
Concen: 100.648 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 98775

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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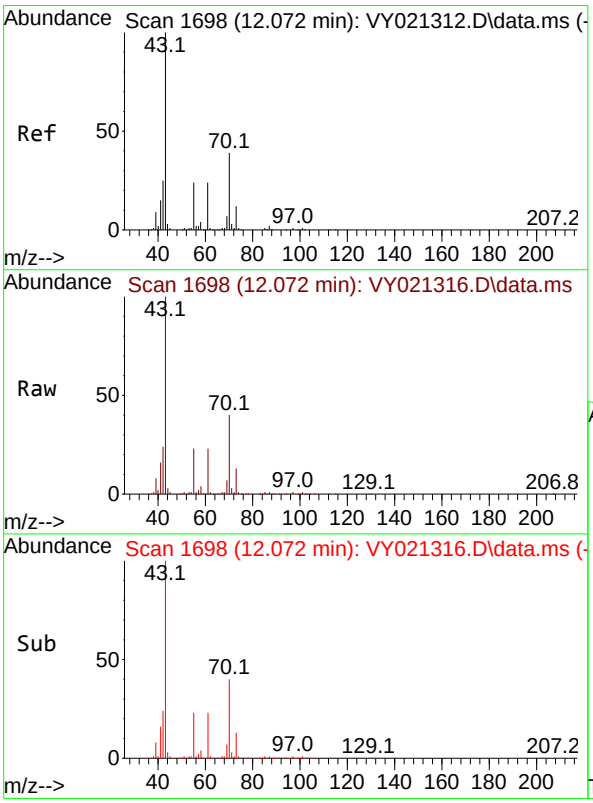
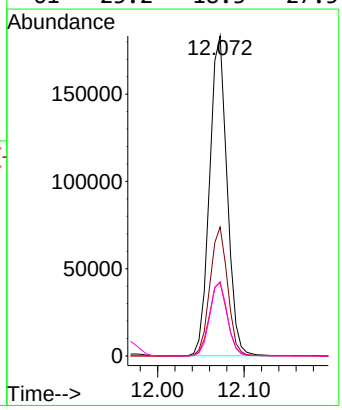
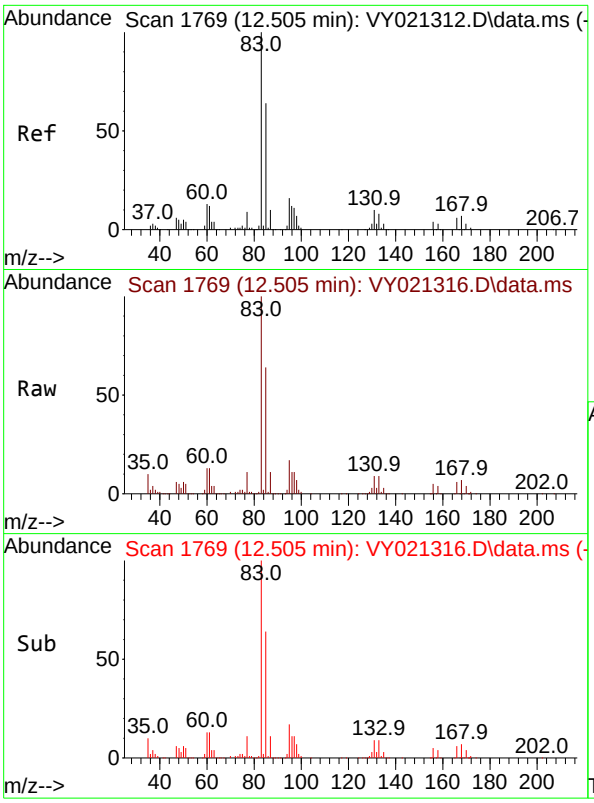


#74
N-amyl acetate
Concen: 103.658 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 258576

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	23.8	19.6	29.4
61	23.2	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 94.075 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 16294

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.6	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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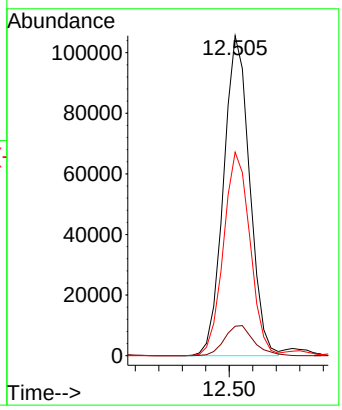
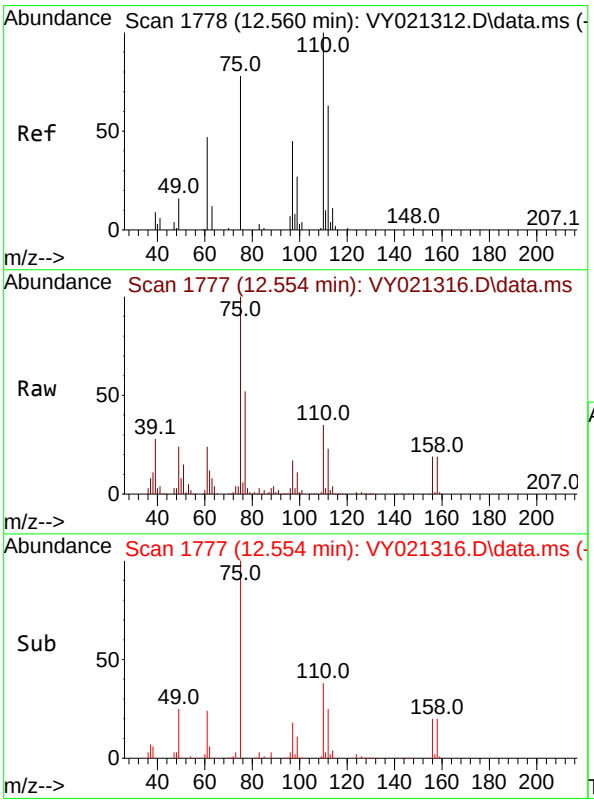
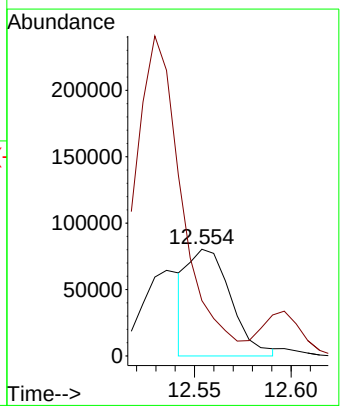


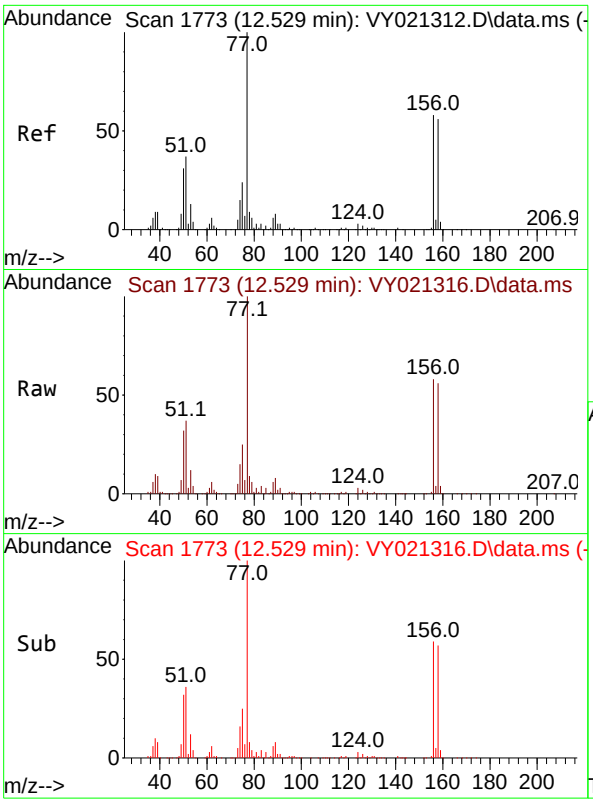


#76
1,2,3-Trichloropropane
Concen: 94.206 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 123844

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

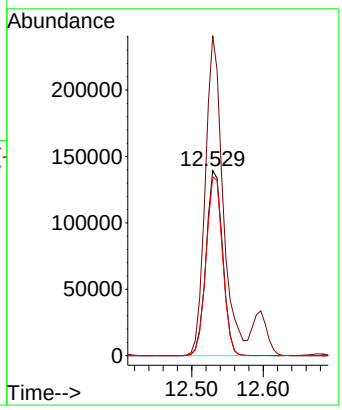




#77
Bromobenzene
Concen: 97.728 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:156 Resp: 22308

Ion	Ratio	Lower	Upper
156	100		
77	184.2	94.0	282.1
158	96.9	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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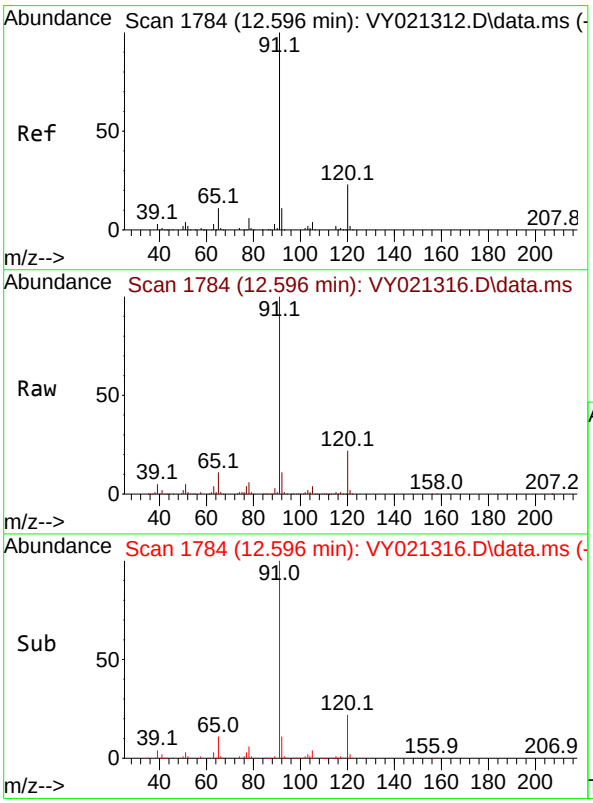
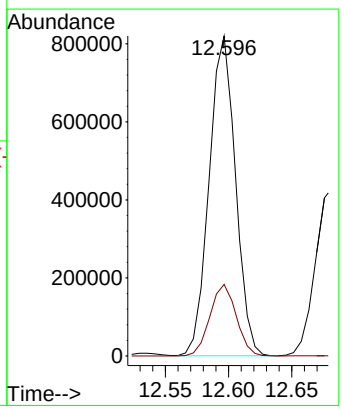
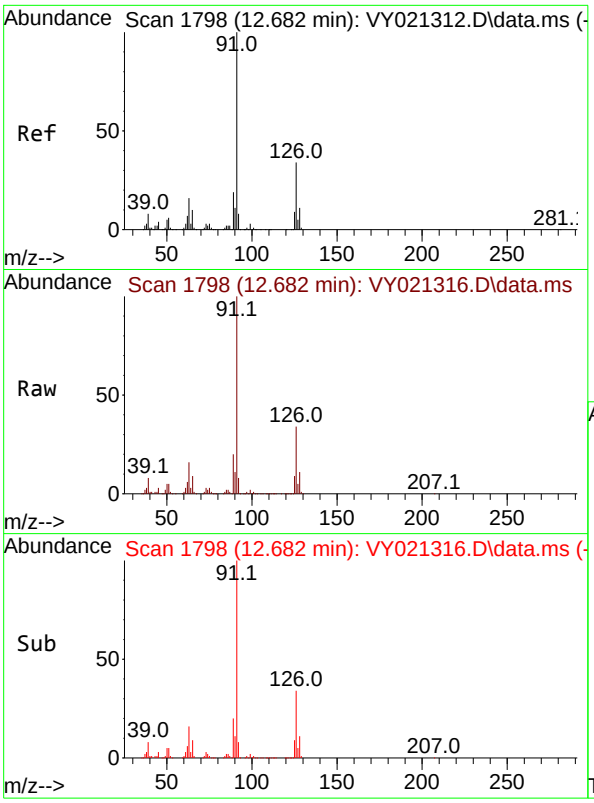


#78
n-propylbenzene
Concen: 99.651 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 1186751

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79
2-Chlorotoluene
Concen: 97.455 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 66607

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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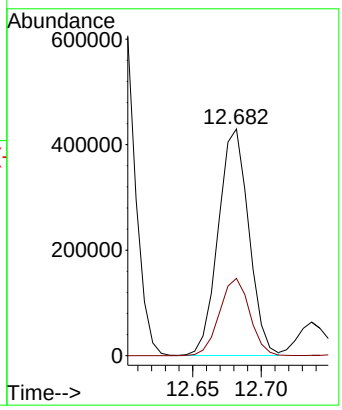
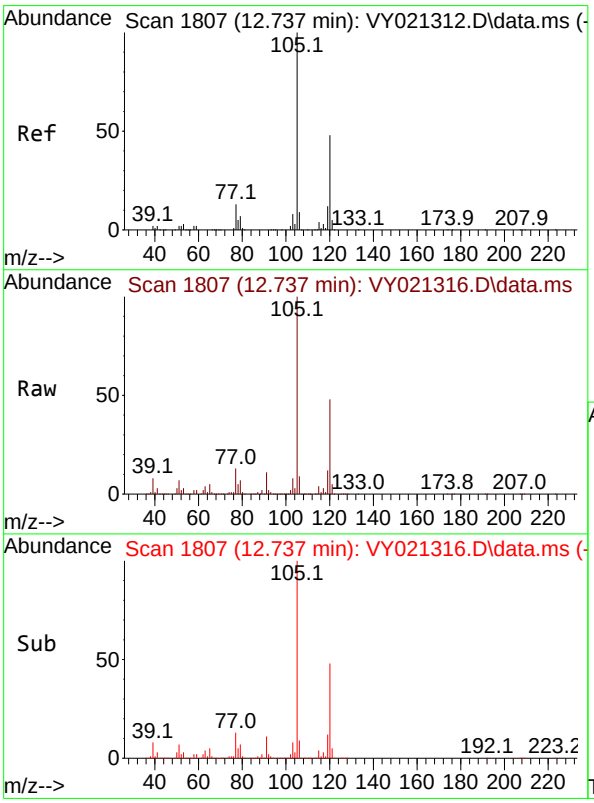
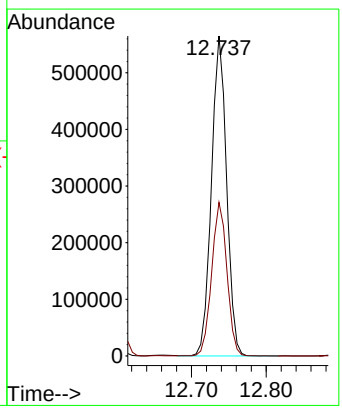


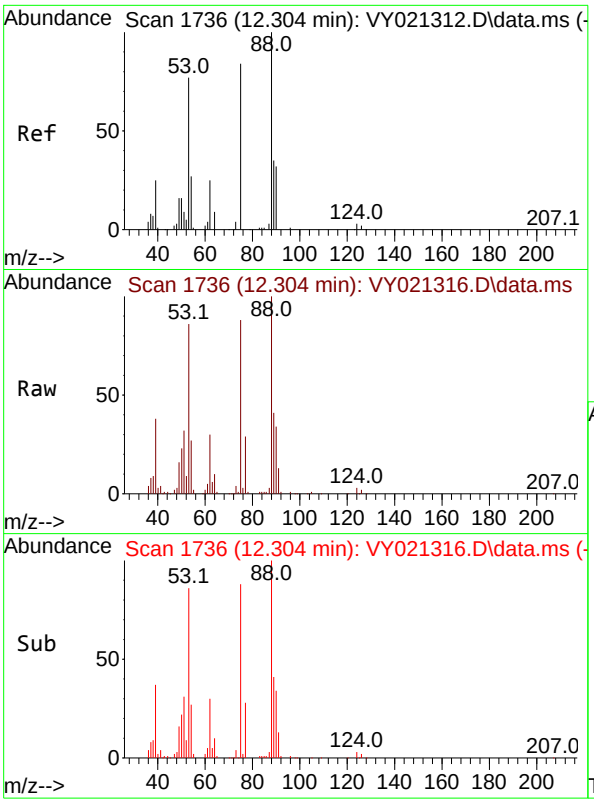


#80
1,3,5-Trimethylbenzene
Concen: 98.676 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 794247

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 100.031 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

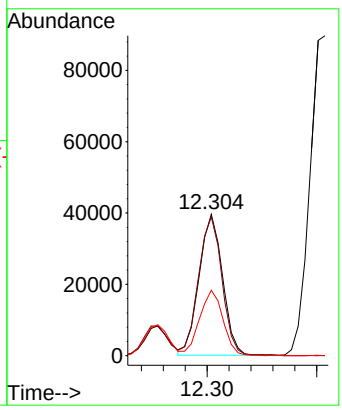
Tgt Ion: 75 Resp: 5880

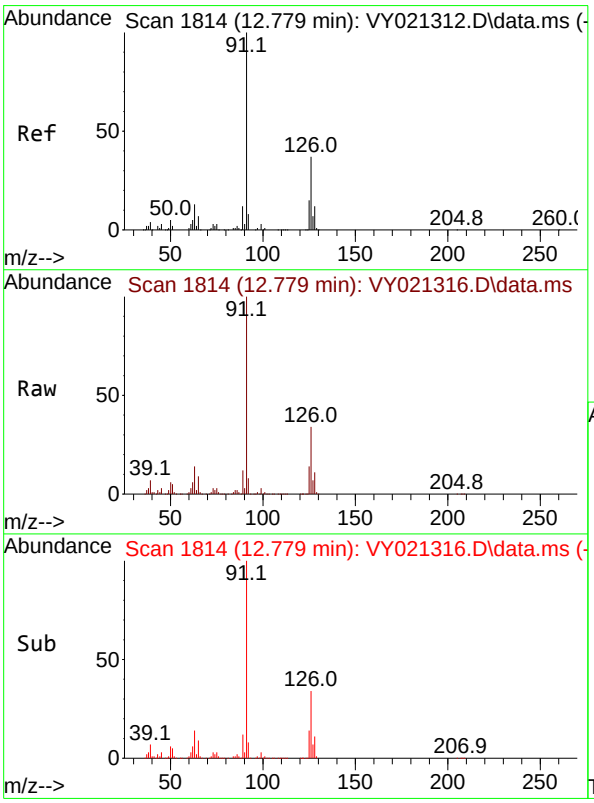
Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.1	118.7
89	46.7	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

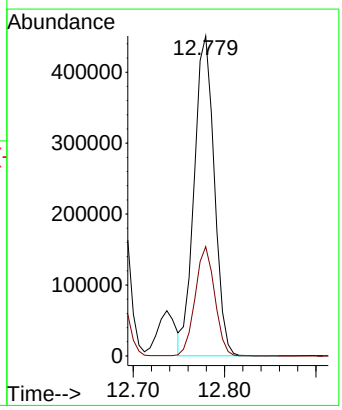


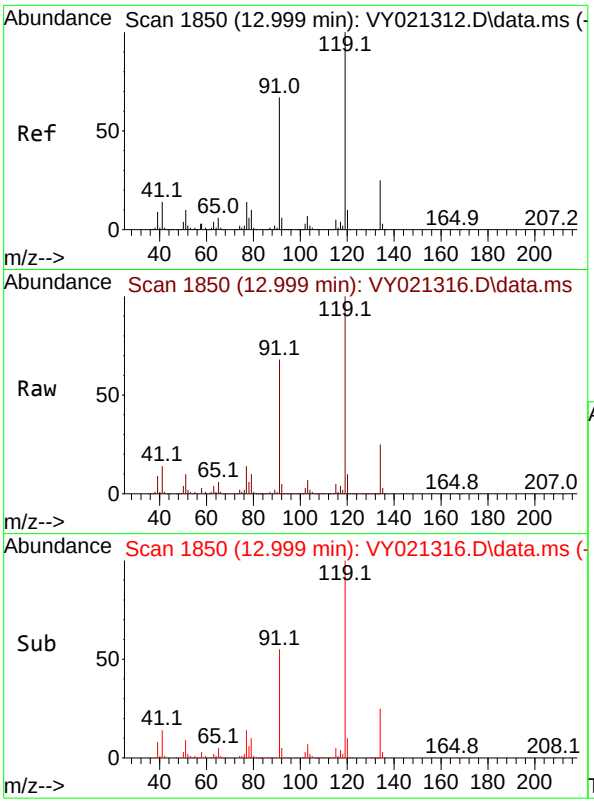


#82
4-Chlorotoluene
Concen: 97.022 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 687385

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4

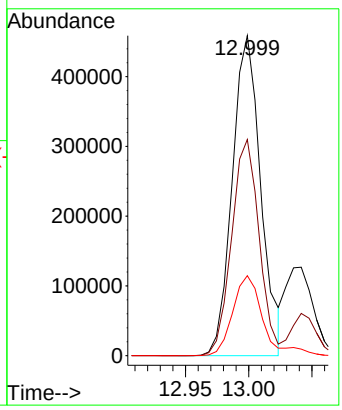




#83
tert-Butylbenzene
Concen: 99.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 72048

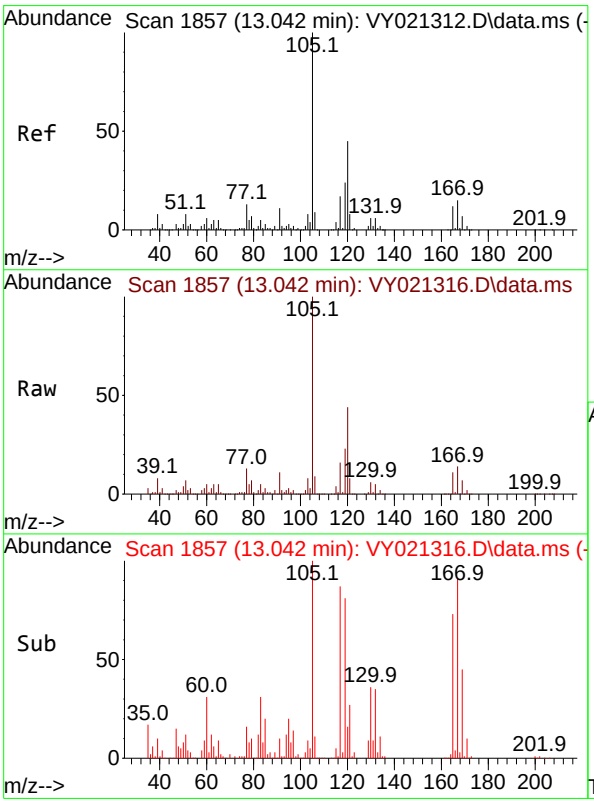
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

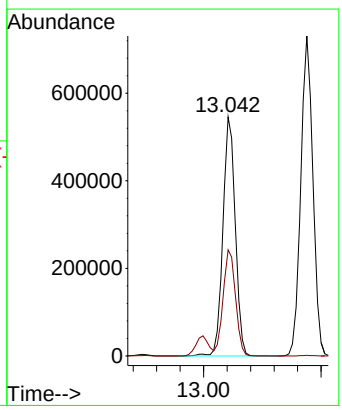
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

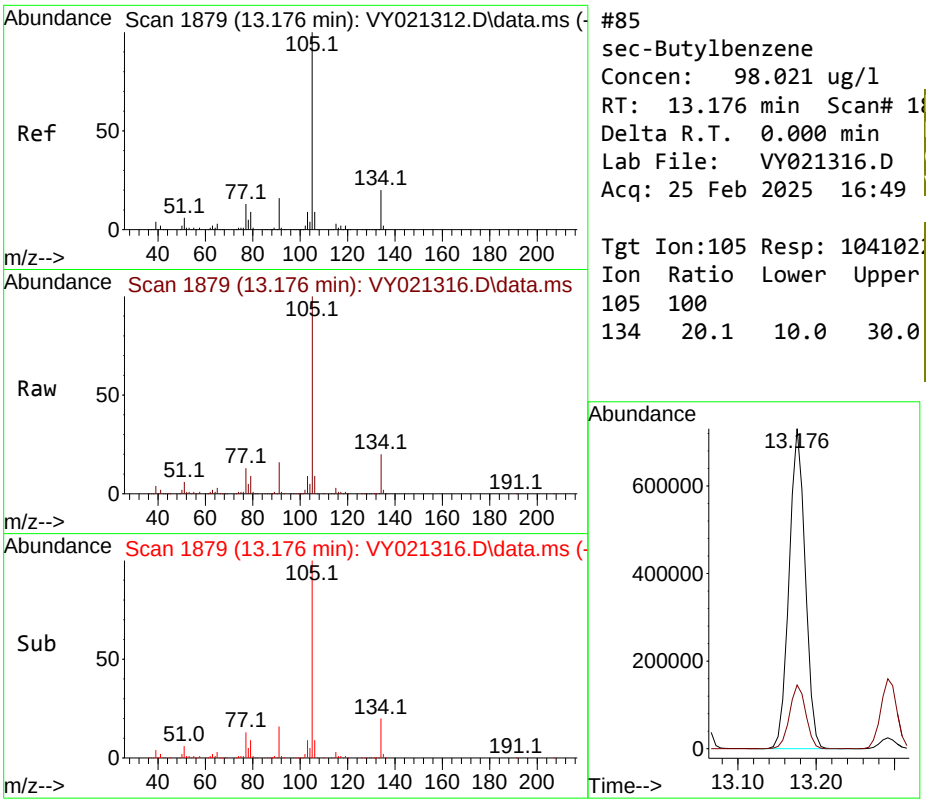


#84
1,2,4-Trimethylbenzene
Concen: 99.415 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 795840

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85
sec-Butylbenzene
Concen: 98.021 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 104102

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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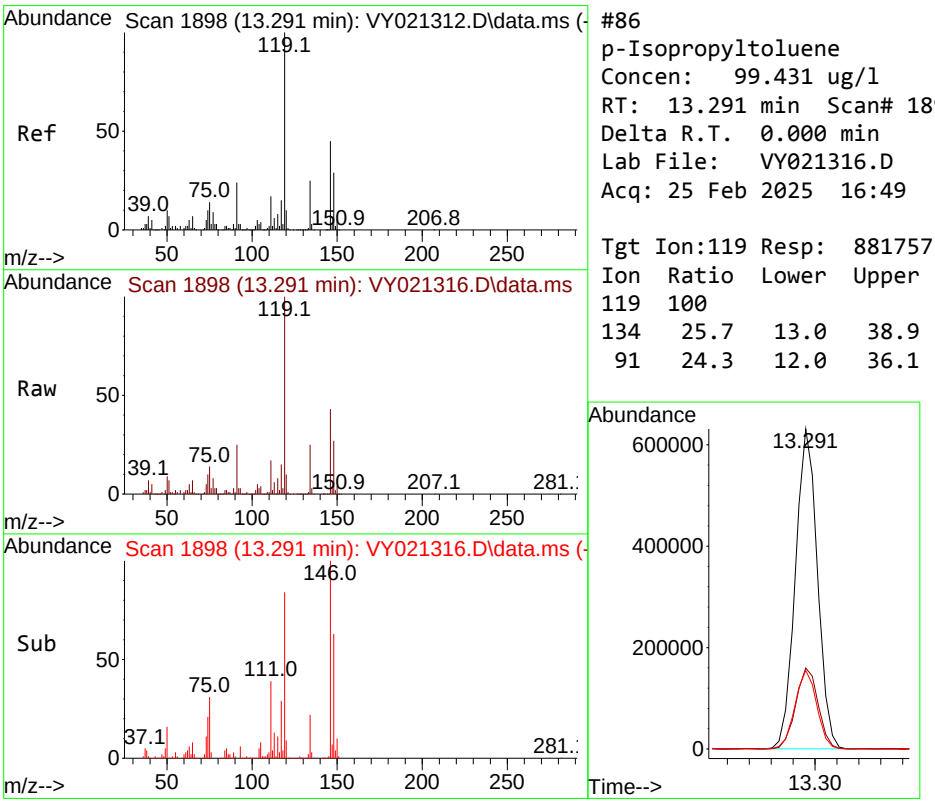
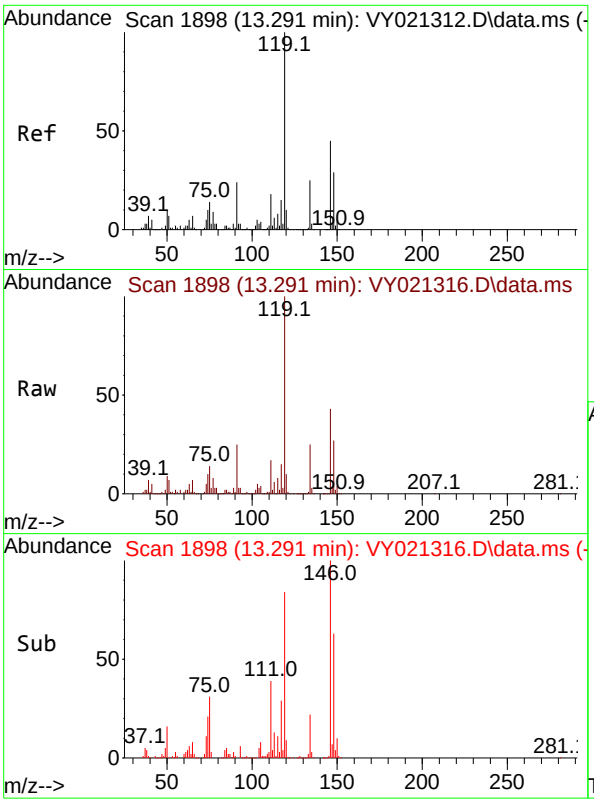


#86
p-Isopropyltoluene
Concen: 99.431 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 881757

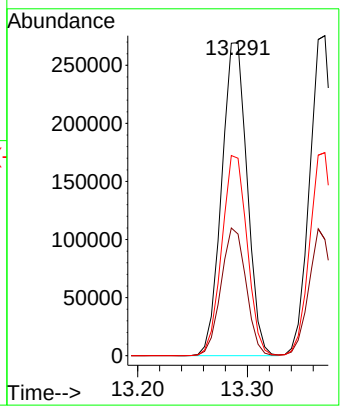
Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.3	12.0	36.1



#87
1,3-Dichlorobenzene
Concen: 96.445 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 43548

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.6	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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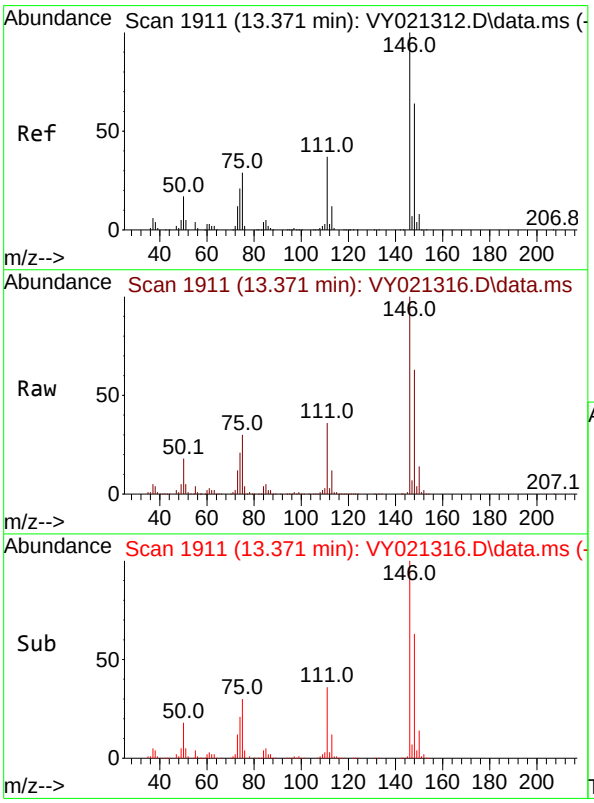
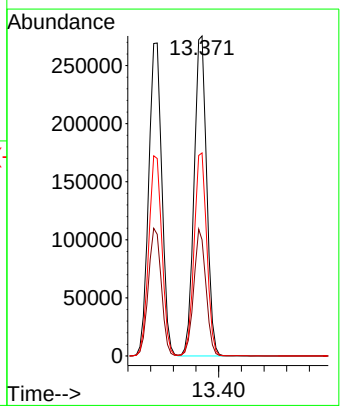
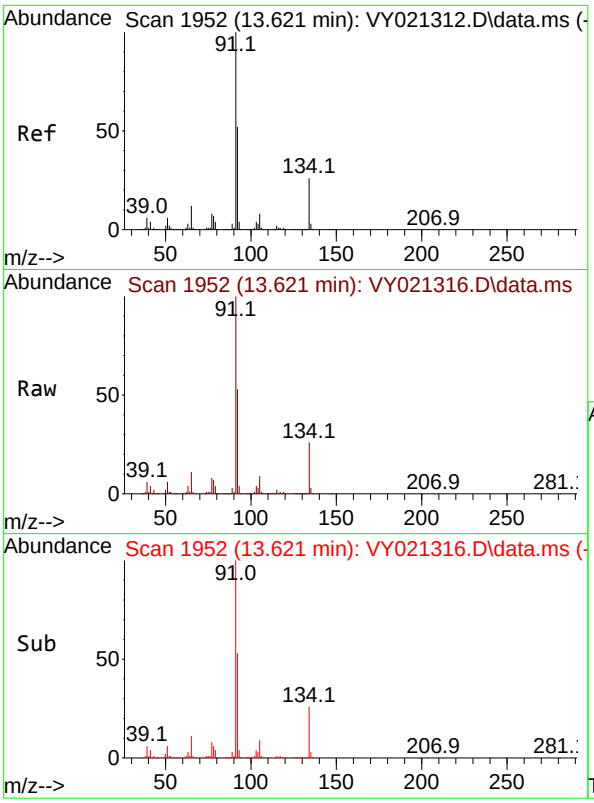


#88
1,4-Dichlorobenzene
Concen: 95.343 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 425301

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.7	32.0	96.2

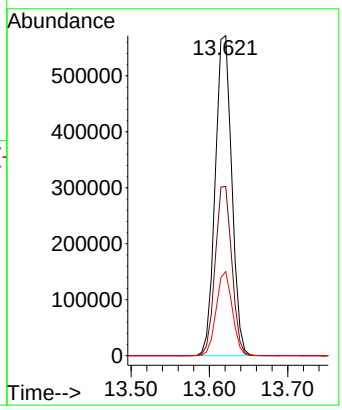




#89
n-Butylbenzene
Concen: 100.683 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 84023

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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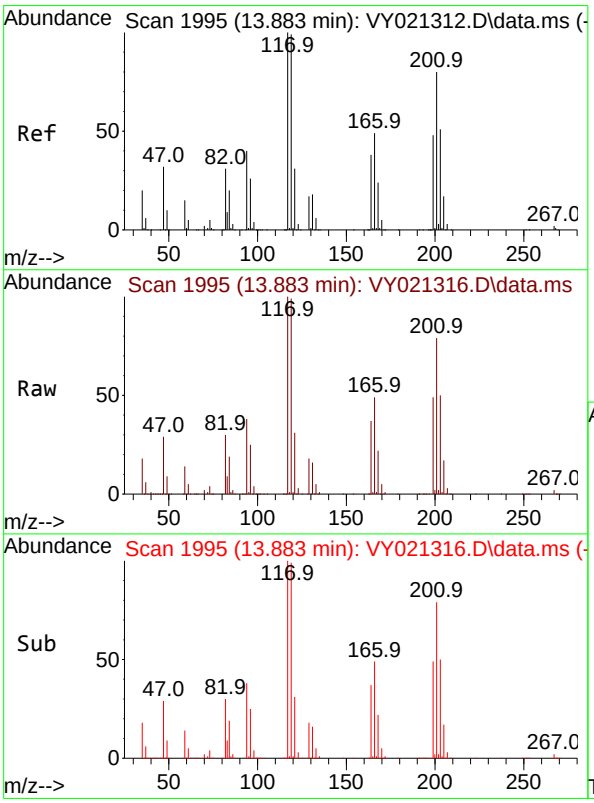
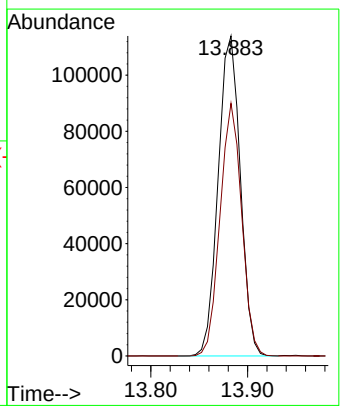
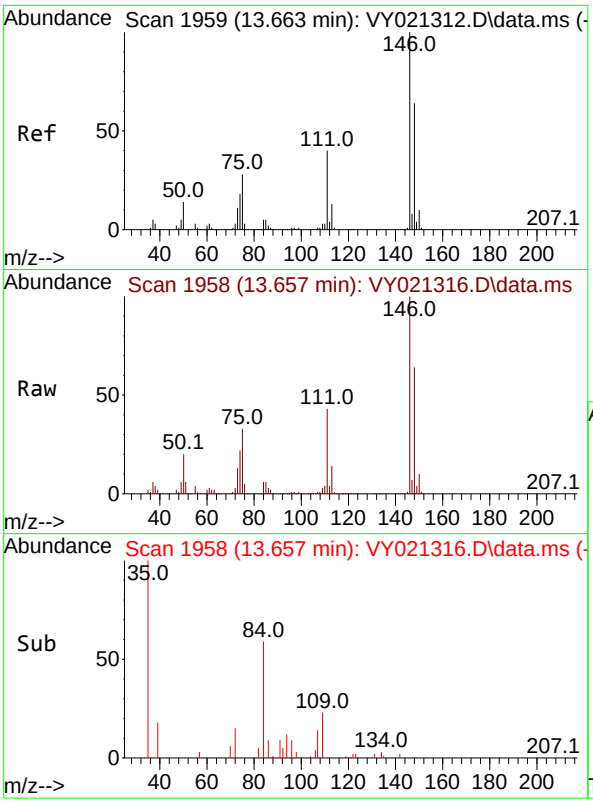


#90
Hexachloroethane
Concen: 97.720 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 181015

Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.4	115.2

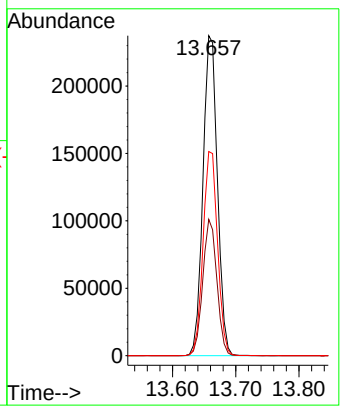




#91
1,2-Dichlorobenzene
Concen: 95.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 37745

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.1	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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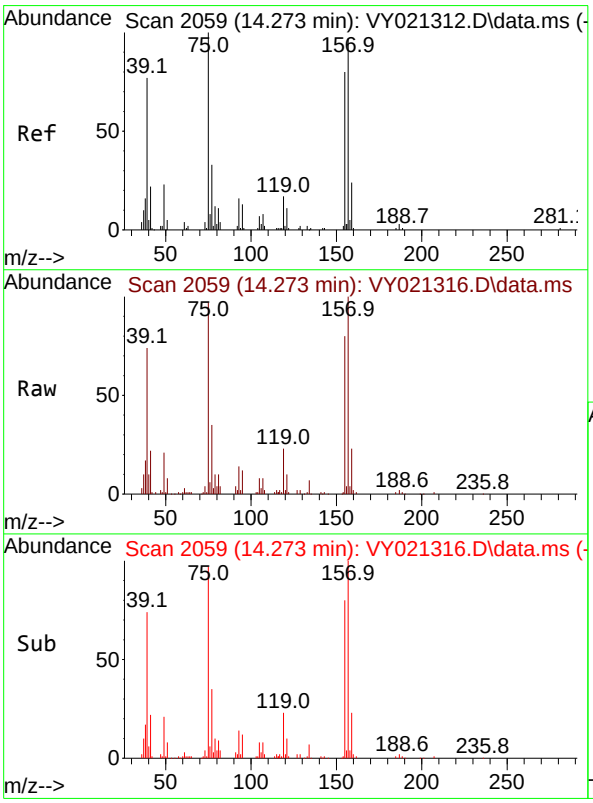
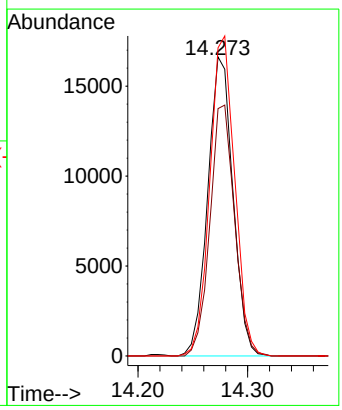
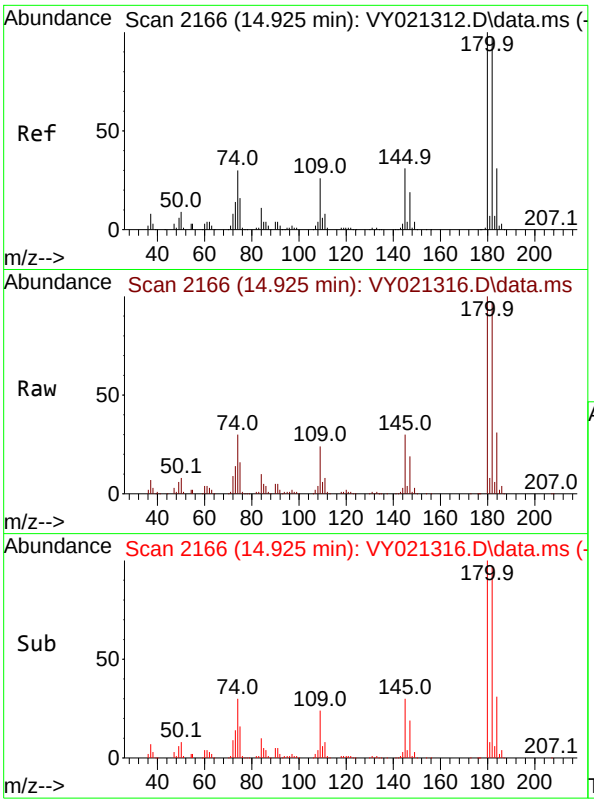


#92
1,2-Dibromo-3-Chloropropane
Concen: 96.867 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 26541

Ion	Ratio	Lower	Upper
75	100		
155	82.1	41.9	125.6
157	105.5	52.5	157.6

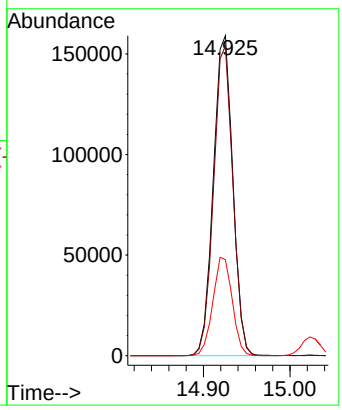




#93
1,2,4-Trichlorobenzene
Concen: 102.770 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 24814

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.6	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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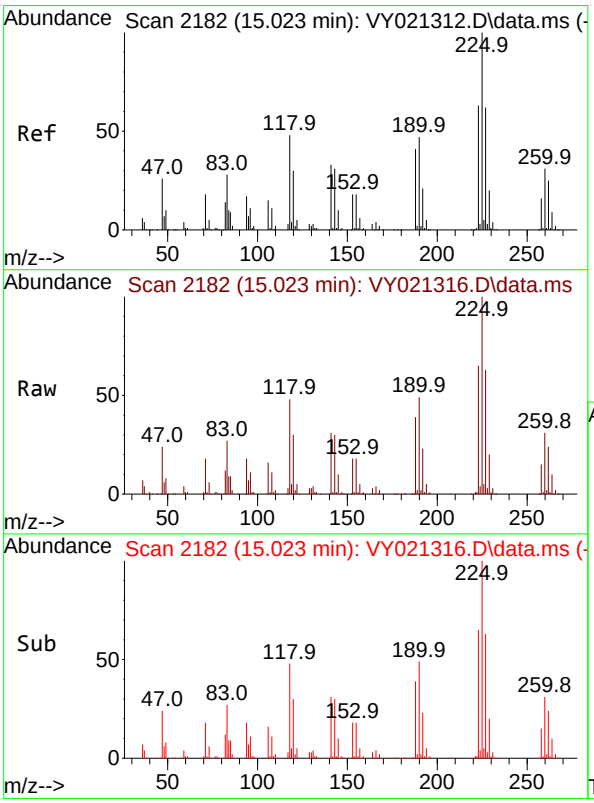
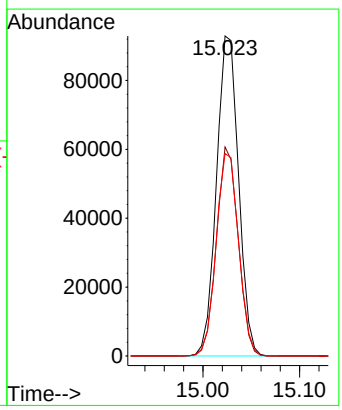
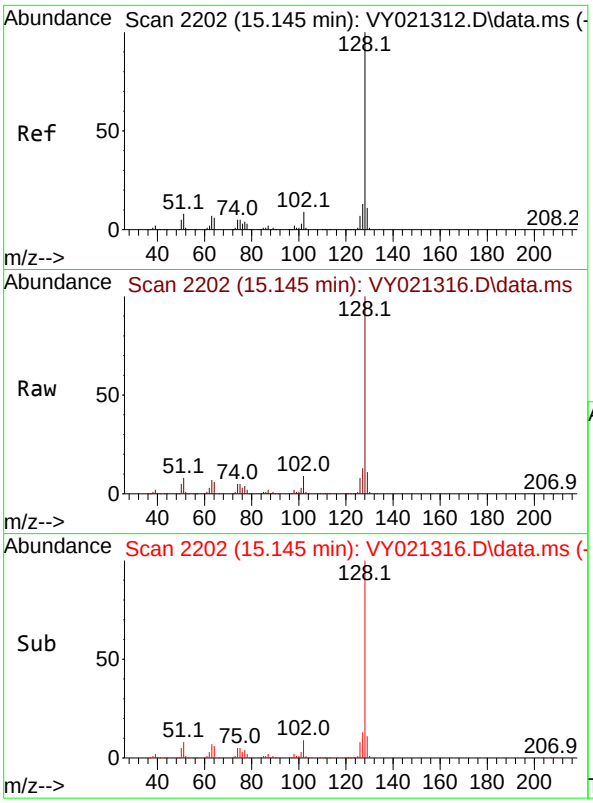


#94
Hexachlorobutadiene
Concen: 96.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:225 Resp: 147103

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.8	95.4
227	64.4	31.9	95.7

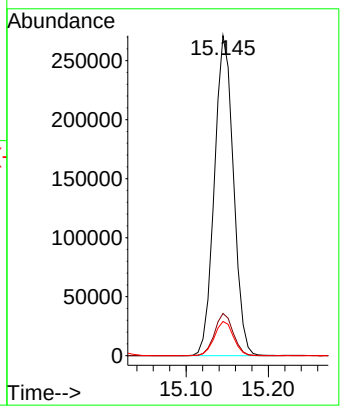




#95
Naphthalene
Concen: 109.220 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:128 Resp: 43681

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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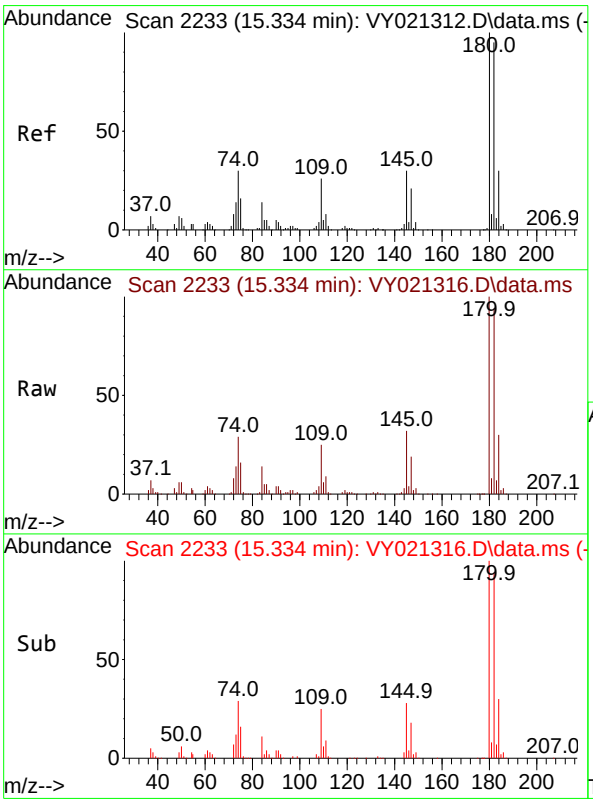
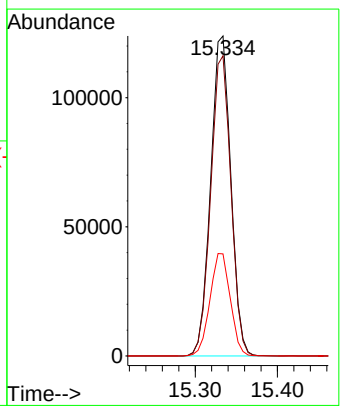


#96
1,2,3-Trichlorobenzene
Concen: 103.581 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 211313

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.9
145	32.3	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	183832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	257123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98960	47.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.900%			
35) Dibromofluoromethane	7.634	113	93944	49.037	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.080%			
50) Toluene-d8	10.109	98	360528	48.694	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.408	95	120972	48.549	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	93894	53.871	ug/l	98
3) Chloromethane	2.068	50	120479	53.523	ug/l	100
4) Vinyl Chloride	2.202	62	121922	55.184	ug/l	98
5) Bromomethane	2.598	94	77054	52.483	ug/l	100
6) Chloroethane	2.732	64	75086	54.804	ug/l	99
7) Trichlorofluoromethane	3.062	101	178123	53.384	ug/l	94
8) Diethyl Ether	3.458	74	54929	54.849	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	104678	54.188	ug/l	98
10) Methyl Iodide	4.007	142	124707	61.361	ug/l	100
11) Tert butyl alcohol	4.848	59	35572	221.762	ug/l	100
12) 1,1-Dichloroethene	3.793	96	100075	54.104	ug/l	98
13) Acrolein	3.653	56	6337	51.554	ug/l	95
14) Allyl chloride	4.385	41	181554	55.361	ug/l	99
15) Acrylonitrile	5.055	53	118343	267.274	ug/l	99
16) Acetone	3.866	43	90886	227.197	ug/l	99
17) Carbon Disulfide	4.104	76	335241	54.581	ug/l	100
18) Methyl Acetate	4.385	43	51200	52.372	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	265419	54.311	ug/l	97
20) Methylene Chloride	4.616	84	110456	51.062	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	112082	55.044	ug/l	99
22) Diisopropyl ether	6.018	45	377281	55.595	ug/l	99
23) Vinyl Acetate	5.957	43	1116005	275.197	ug/l	100
24) 1,1-Dichloroethane	5.915	63	210383	55.004	ug/l	99
25) 2-Butanone	6.890	43	152895	253.246	ug/l	97
26) 2,2-Dichloropropane	6.884	77	187045	53.893	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	130921	56.305	ug/l	98
28) Bromochloromethane	7.244	49	80309	47.452	ug/l	99
29) Tetrahydrofuran	7.262	42	102673	260.172	ug/l	99
30) Chloroform	7.421	83	213255	55.023	ug/l	98
31) Cyclohexane	7.701	56	191850	52.180	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	194325	55.084	ug/l	98
36) 1,1-Dichloropropene	7.835	75	157102	54.593	ug/l	100
37) Ethyl Acetate	6.982	43	72810	50.864	ug/l	99
38) Carbon Tetrachloride	7.817	117	175208	54.157	ug/l	99
39) Methylcyclohexane	9.109	83	197993	54.397	ug/l	99
40) Benzene	8.079	78	464323	54.583	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	39412	49.244	ug/l		96
42) 1,2-Dichloroethane	8.158	62	129718	53.746	ug/l		100
43) Isopropyl Acetate	8.195	43	145128	52.380	ug/l	#	87
44) Trichloroethene	8.865	130	116988	54.930	ug/l		100
45) 1,2-Dichloropropane	9.140	63	111498	54.464	ug/l		99
46) Dibromomethane	9.231	93	61031	54.539	ug/l		99
47) Bromodichloromethane	9.420	83	162580	54.489	ug/l		98
48) Methyl methacrylate	9.219	41	71360	55.076	ug/l		99
49) 1,4-Dioxane	9.225	88	13103	1053.076	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	372486	262.628	ug/l		100
52) Toluene	10.170	92	294219	55.674	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	152263	55.699	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	178951	55.451	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	77645	53.263	ug/l		98
56) Ethyl methacrylate	10.438	69	112155	55.679	ug/l		99
57) 1,3-Dichloropropane	10.719	76	139257	54.438	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	221395	228.990	ug/l		100
59) 2-Hexanone	10.761	43	246032	264.133	ug/l		99
60) Dibromochloromethane	10.914	129	107866	54.329	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74447	53.942	ug/l		98
64) Tetrachloroethene	10.646	164	102887	52.940	ug/l		95
65) Chlorobenzene	11.444	112	314040	54.410	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	110179	54.517	ug/l		99
67) Ethyl Benzene	11.517	91	572425	55.992	ug/l		99
68) m/p-Xylenes	11.627	106	427892	111.274	ug/l		99
69) o-Xylene	11.956	106	202123	56.108	ug/l		99
70) Styrene	11.969	104	337489	56.307	ug/l		99
71) Bromoform	12.133	173	61959	53.590	ug/l	#	100
73) Isopropylbenzene	12.255	105	540978	56.974	ug/l		99
74) N-amyl acetate	12.072	43	133968	55.509	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	89240	53.254	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	56345m	44.570	ug/l		
77) Bromobenzene	12.536	156	122121	55.296	ug/l		98
78) n-propylbenzene	12.597	91	654255	56.783	ug/l		100
79) 2-Chlorotoluene	12.682	91	369065	55.813	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	440379	56.549	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	30268	53.216	ug/l		96
82) 4-Chlorotoluene	12.779	91	375340	54.757	ug/l		100
83) tert-Butylbenzene	12.999	119	393228	55.900	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	438538	56.621	ug/l		100
85) sec-Butylbenzene	13.176	105	571874	55.655	ug/l		99
86) p-Isopropyltoluene	13.292	119	484140	56.427	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	239404	54.800	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	233477	54.098	ug/l		99
89) n-Butylbenzene	13.621	91	459065	56.856	ug/l		100
90) Hexachloroethane	13.883	117	98634	55.035	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	208776	54.545	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13821	52.137	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	132464	56.703	ug/l		99
94) Hexachlorobutadiene	15.029	225	78745	53.541	ug/l		99
95) Naphthalene	15.151	128	222839	57.589	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	112466	56.980	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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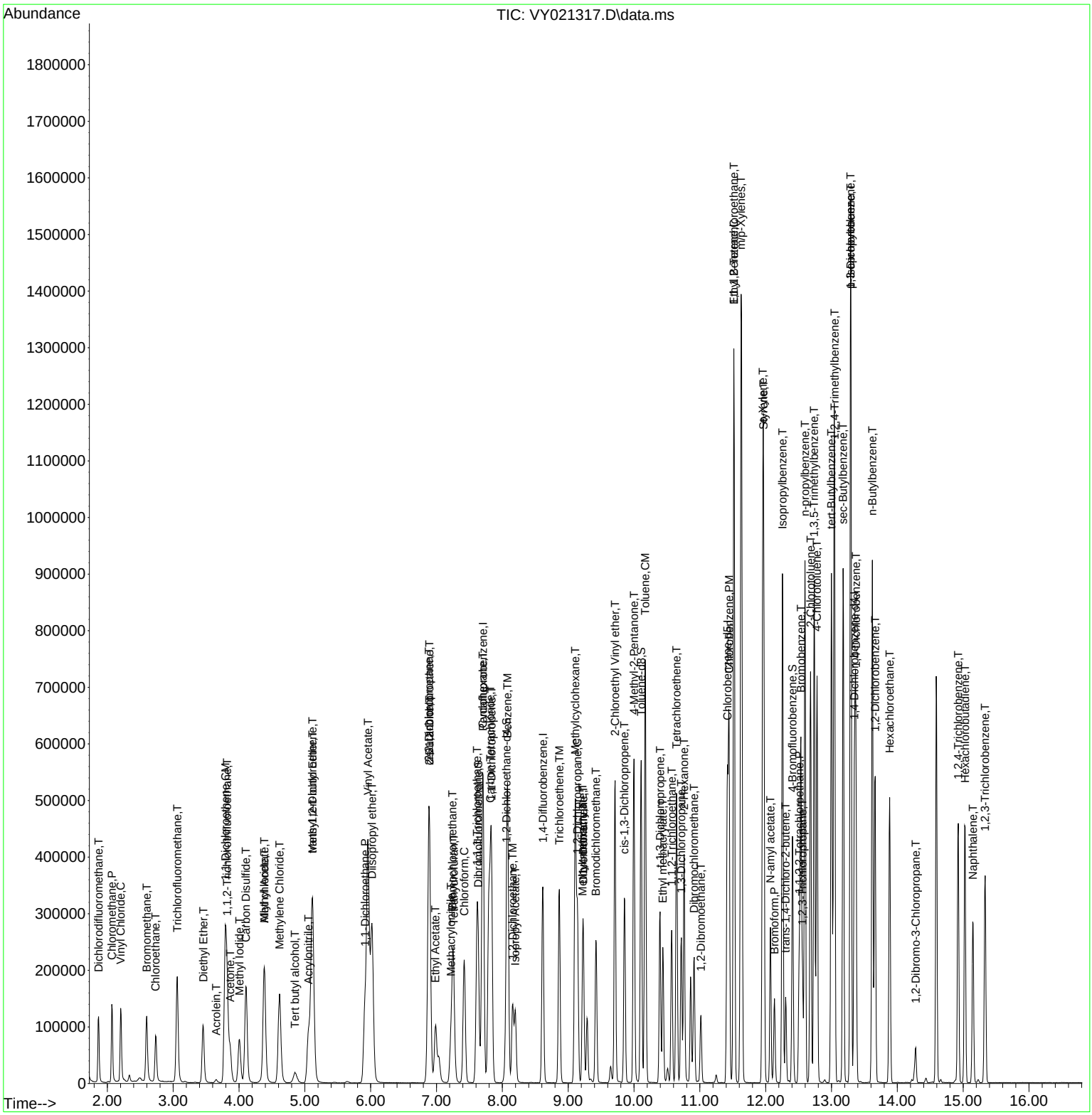

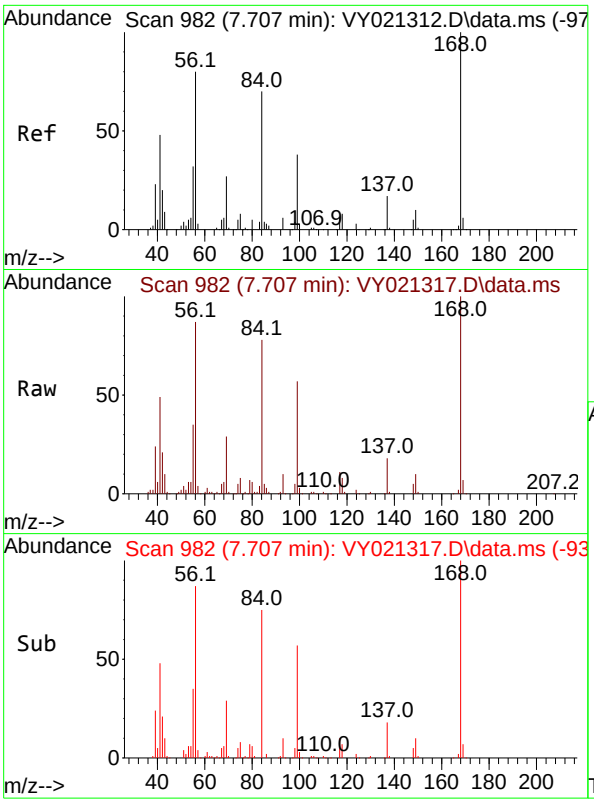

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:168 Resp: 18383

Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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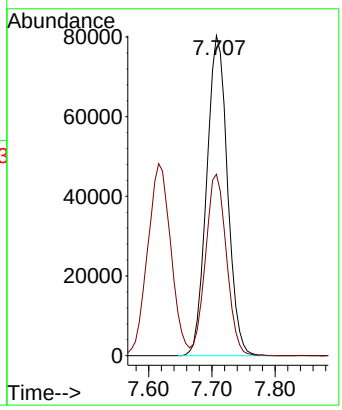
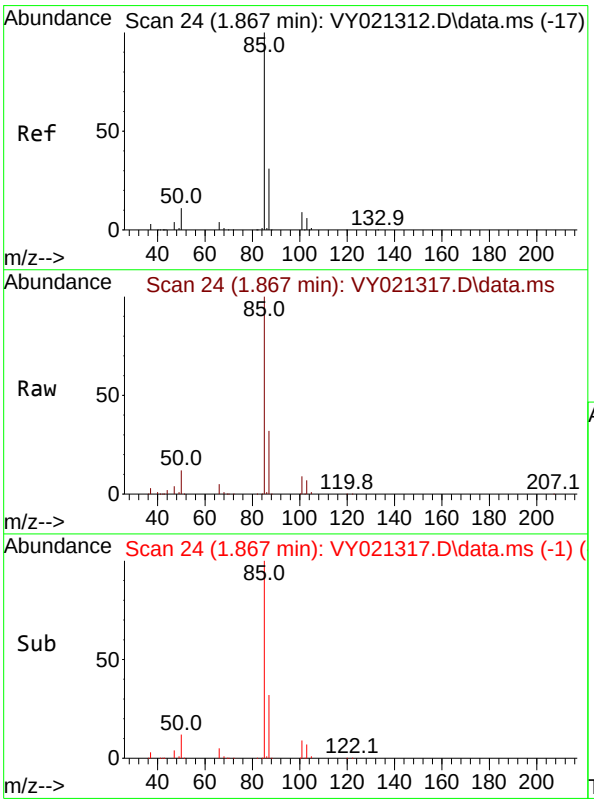
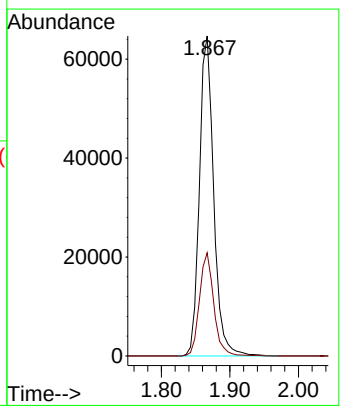


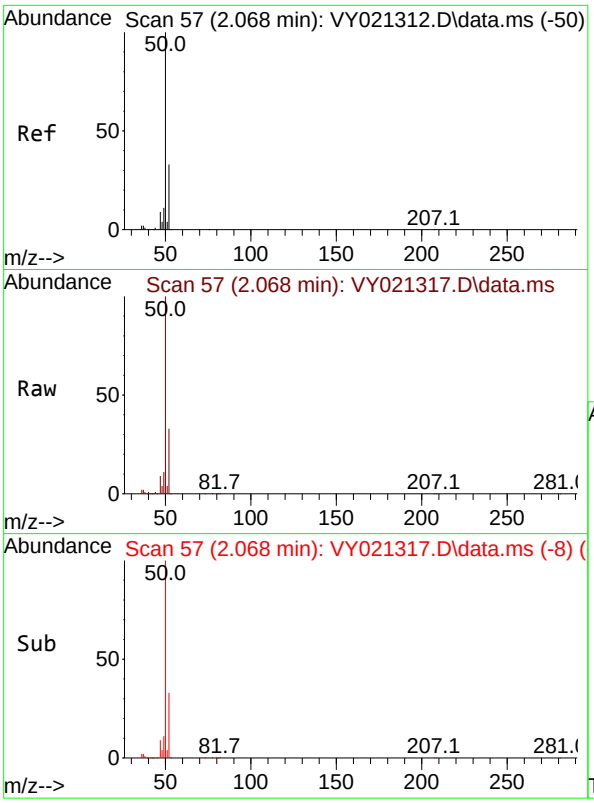


#2
Dichlorodifluoromethane
Concen: 53.871 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 85 Resp: 93894

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4

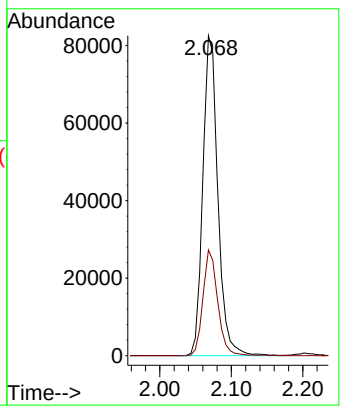




#3
Chloromethane
Concen: 53.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 50 Resp: 12047

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

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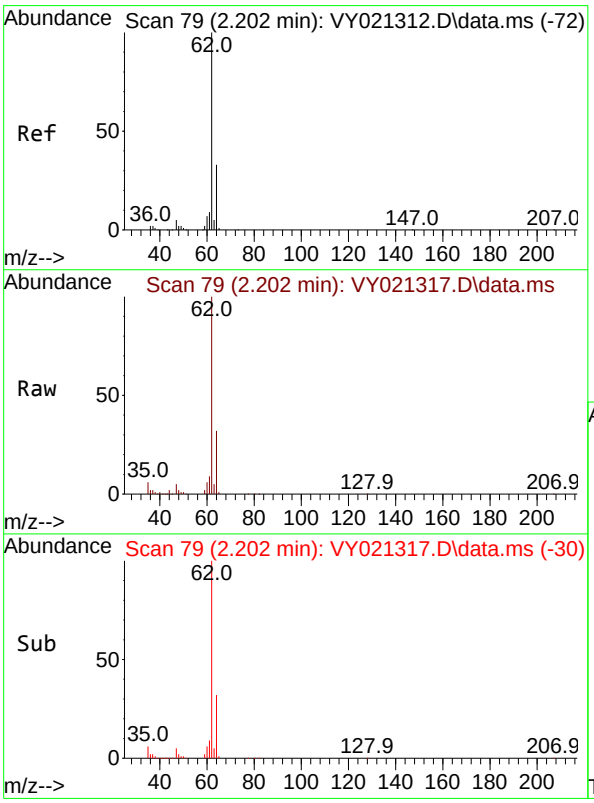
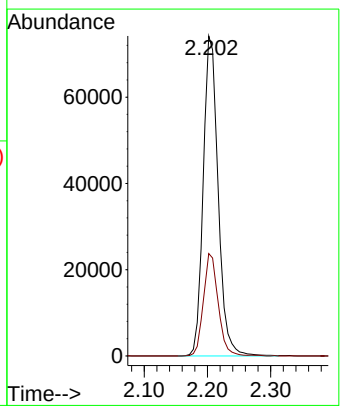
Supervised By :Mahesh Dadoda 02/26/2025

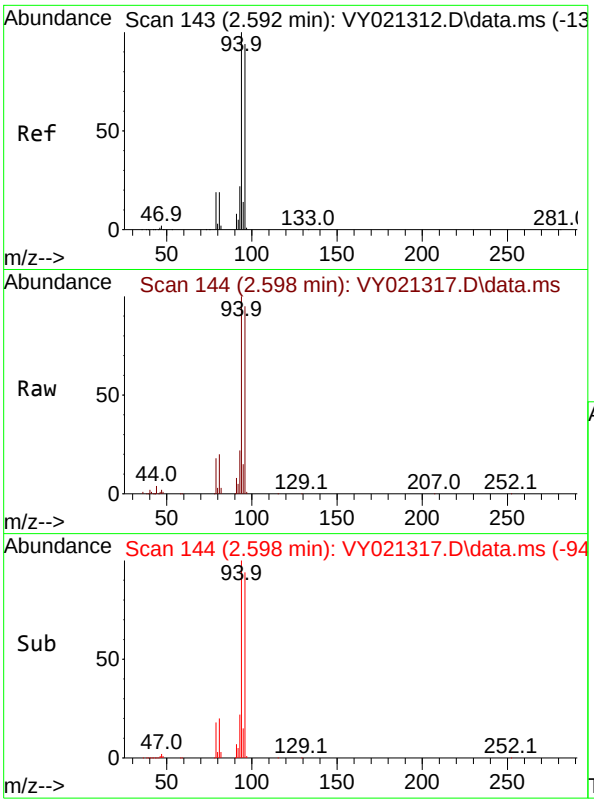


#4
Vinyl Chloride
Concen: 55.184 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 121922

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.3	39.5





#5
Bromomethane
Concen: 52.483 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

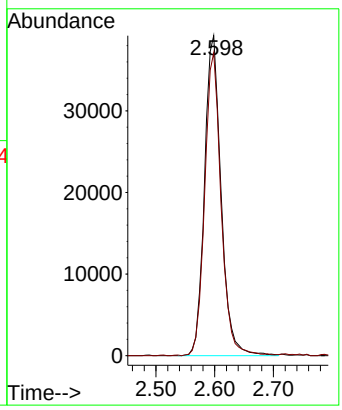
Tgt Ion: 94 Resp: 7705

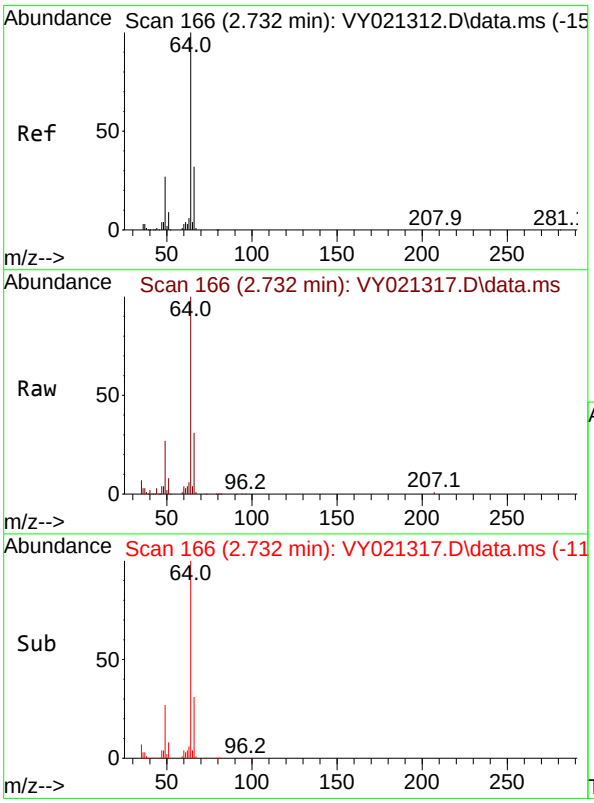
Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

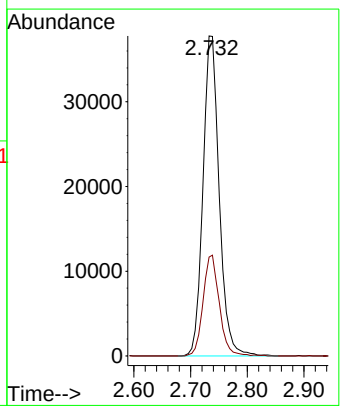


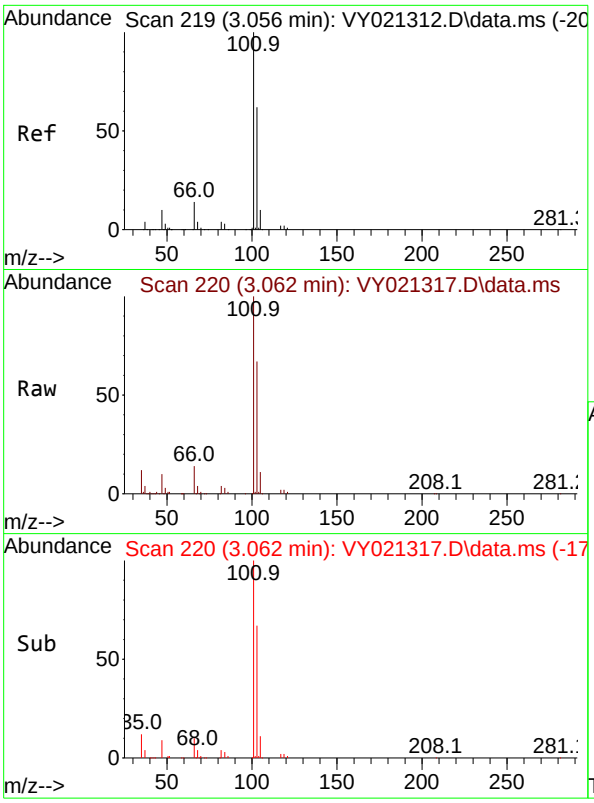


#6
Chloroethane
Concen: 54.804 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 64 Resp: 75086

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.4	38.0

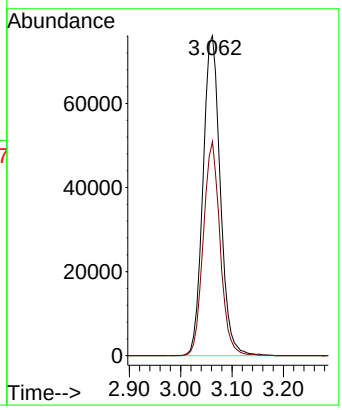




#7
Trichlorofluoromethane
Concen: 53.384 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:101 Resp: 17812

Ion	Ratio	Lower	Upper
101	100		
103	66.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

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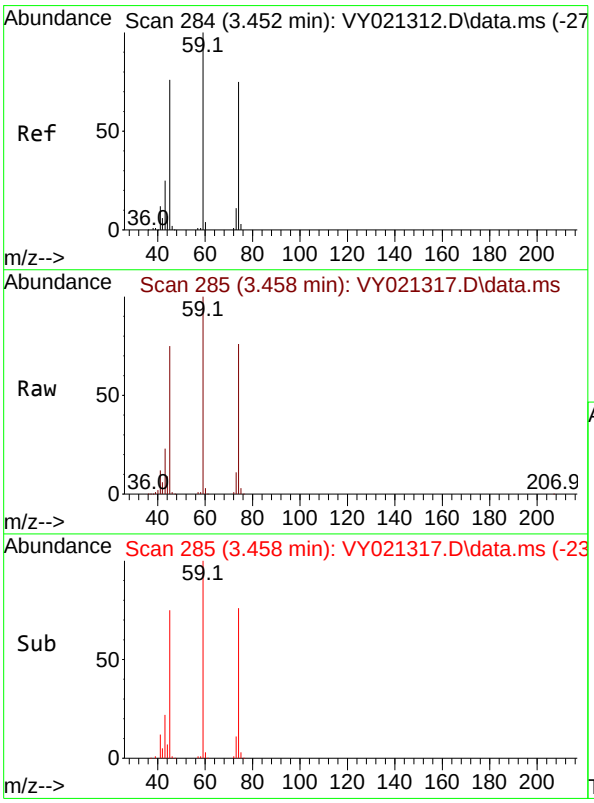
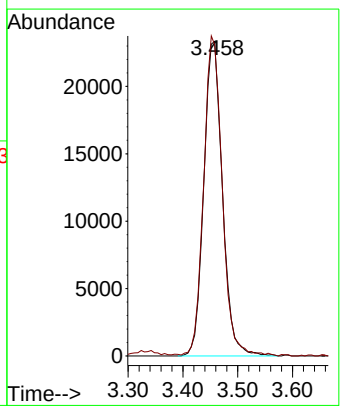
Supervised By :Mahesh Dadoda 02/26/2025

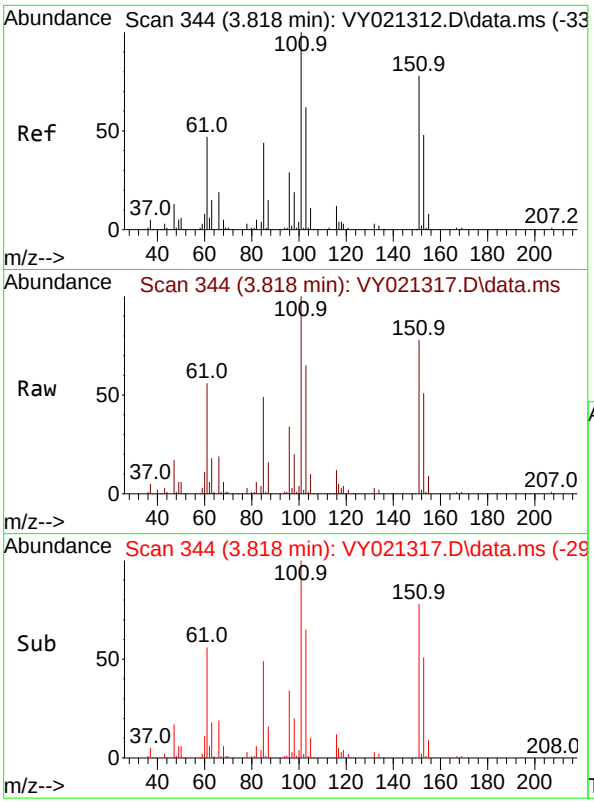


#8
Diethyl Ether
Concen: 54.849 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 74 Resp: 54929

Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.3	150.9

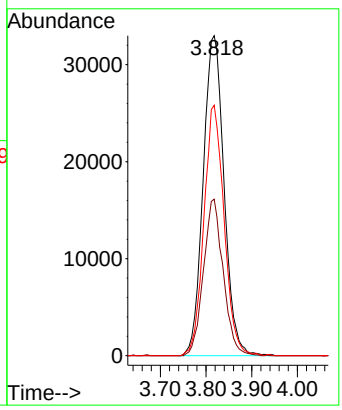




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.188 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:101 Resp: 10467

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	75.8	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

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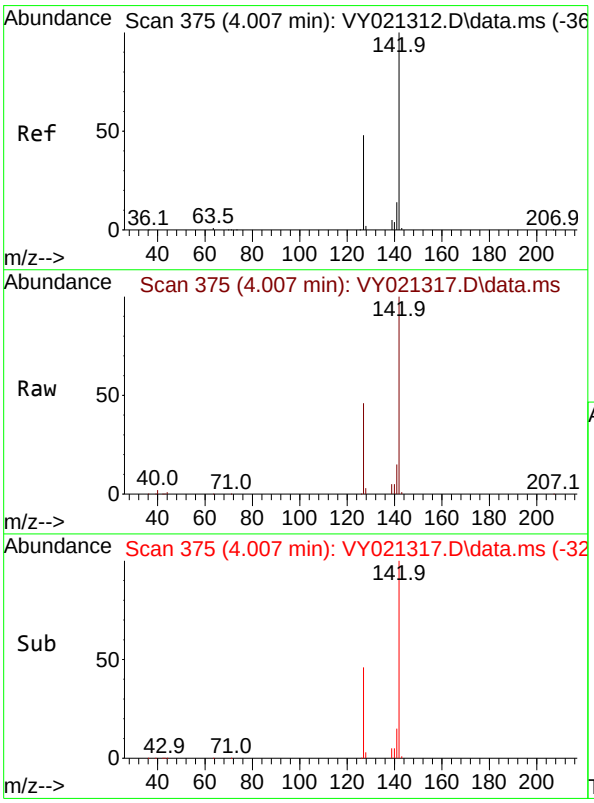
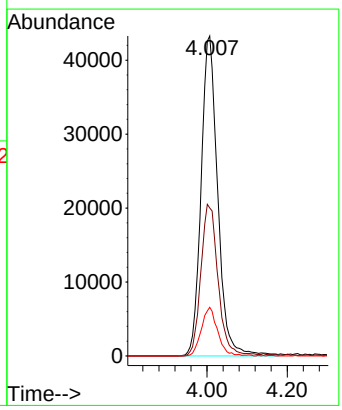
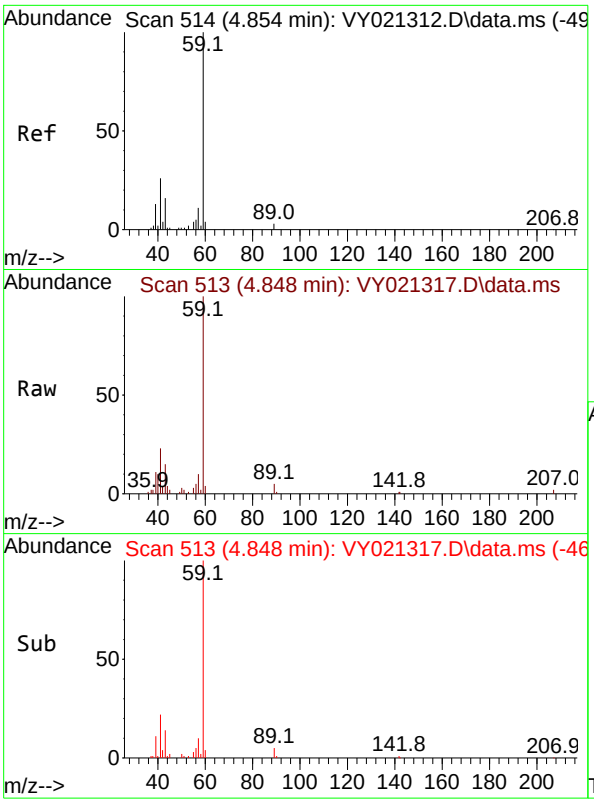


#10
Methyl Iodide
Concen: 61.361 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:142 Resp: 124707

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.8	11.4	17.2

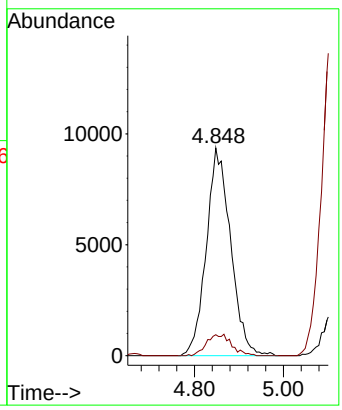




#11
Tert butyl alcohol
Concen: 221.762 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 59 Resp: 3557

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
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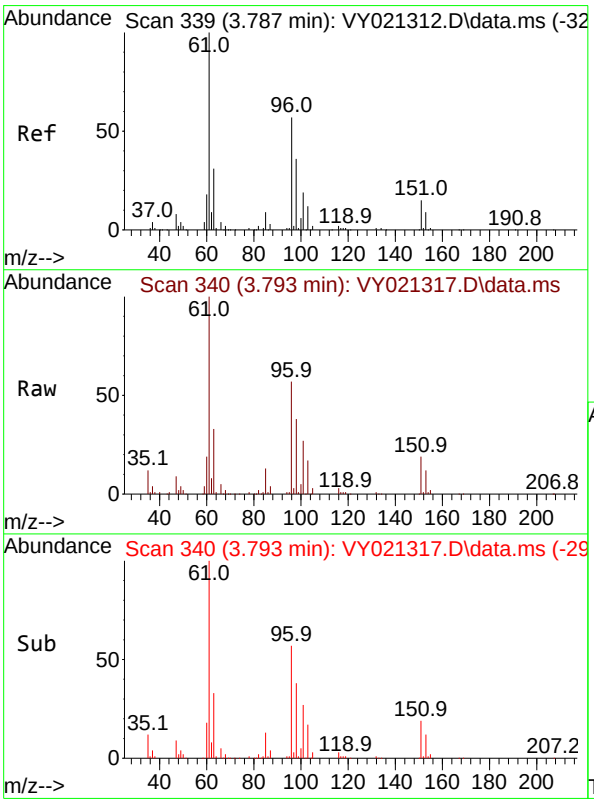
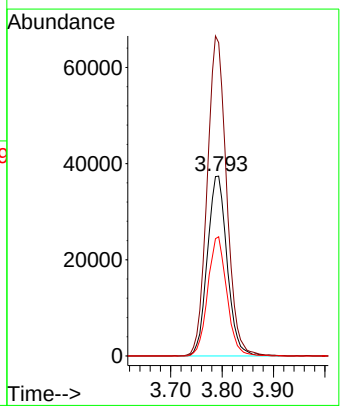
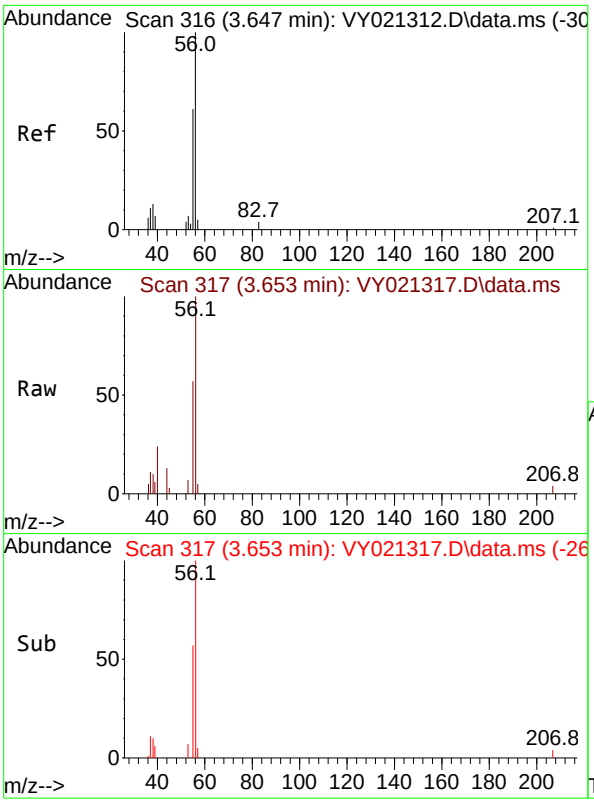


#12
1,1-Dichloroethene
Concen: 54.104 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 100075

Ion	Ratio	Lower	Upper
96	100		
61	174.2	139.7	209.5
98	66.3	49.7	74.5

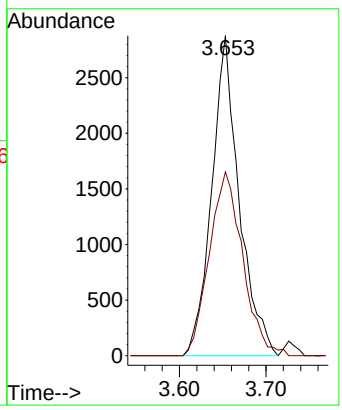




#13
Acrolein
Concen: 51.554 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 633

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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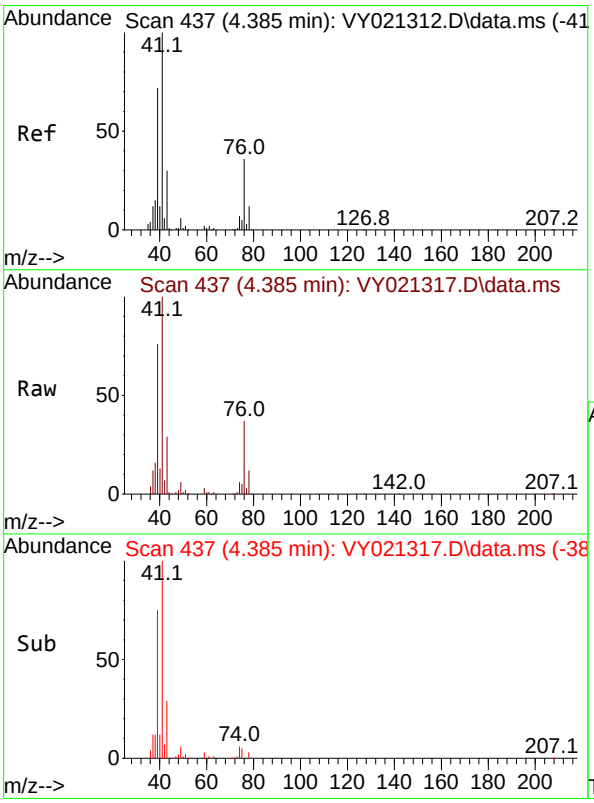
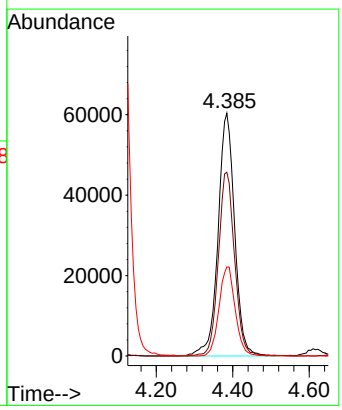
Supervised By :Mahesh Dadoda 02/26/2025

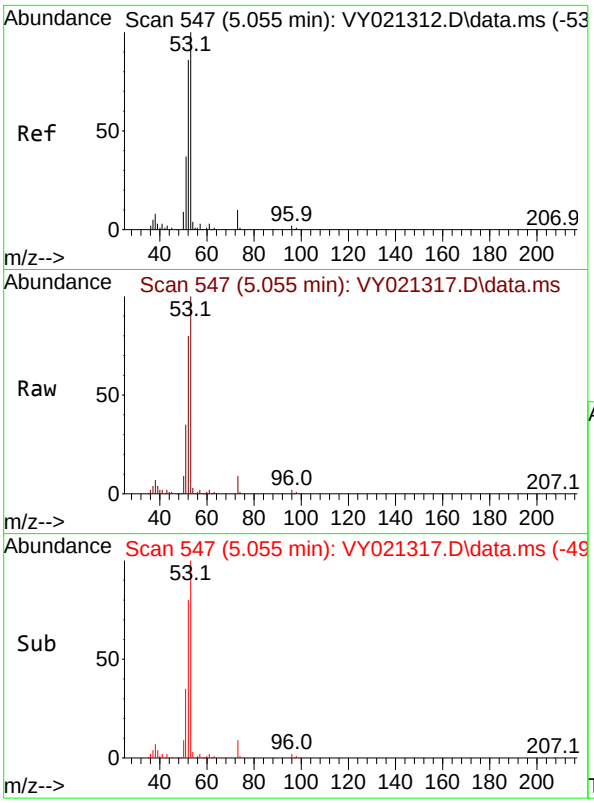


#14
Allyl chloride
Concen: 55.361 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 181554

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	35.8	29.0	43.6





#15
Acrylonitrile
Concen: 267.274 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 53 Resp: 11834

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.5	98.3
51	37.1	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
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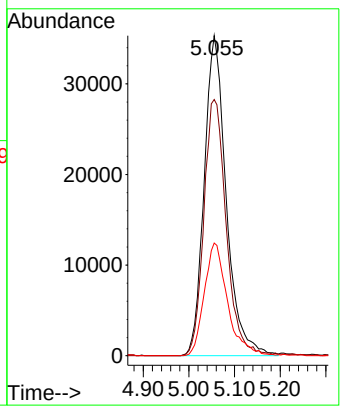
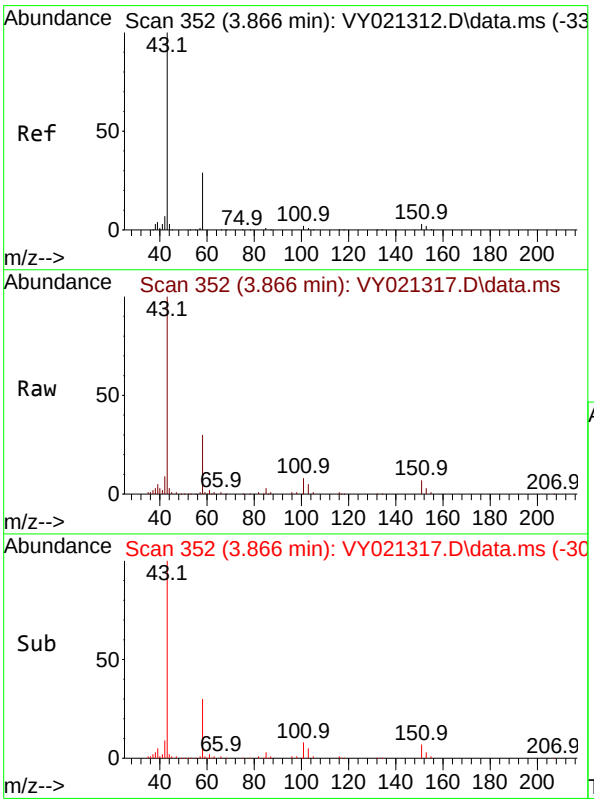
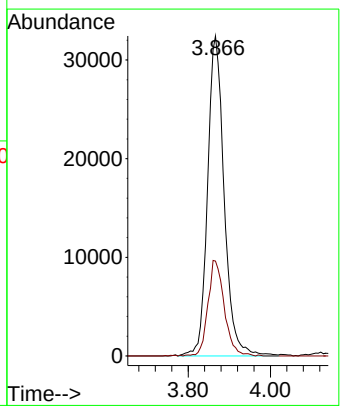


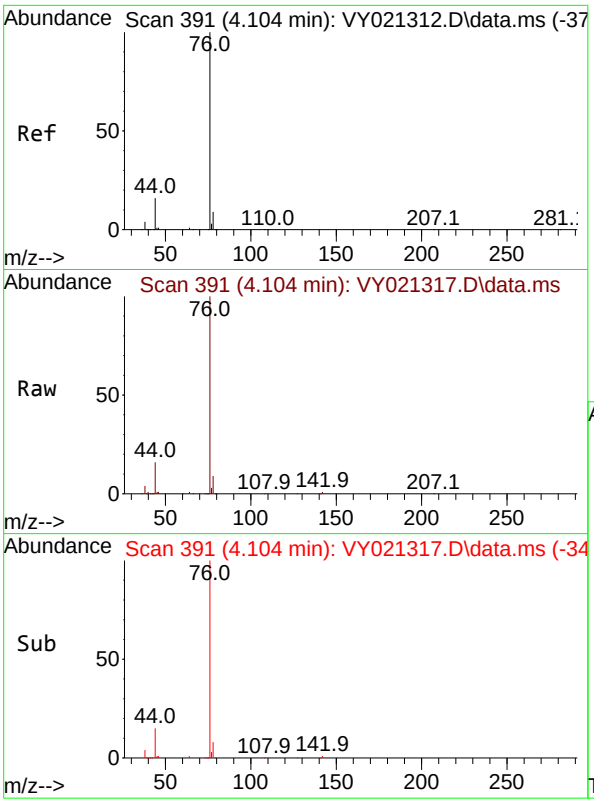


#16
Acetone
Concen: 227.197 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 90886

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.5	35.3

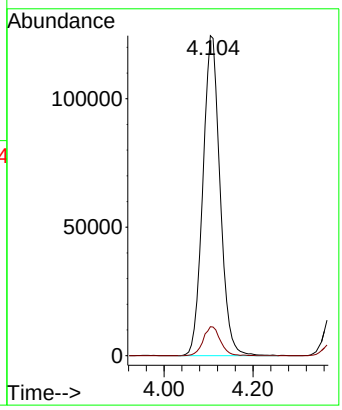




#17
Carbon Disulfide
Concen: 54.581 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 33524

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
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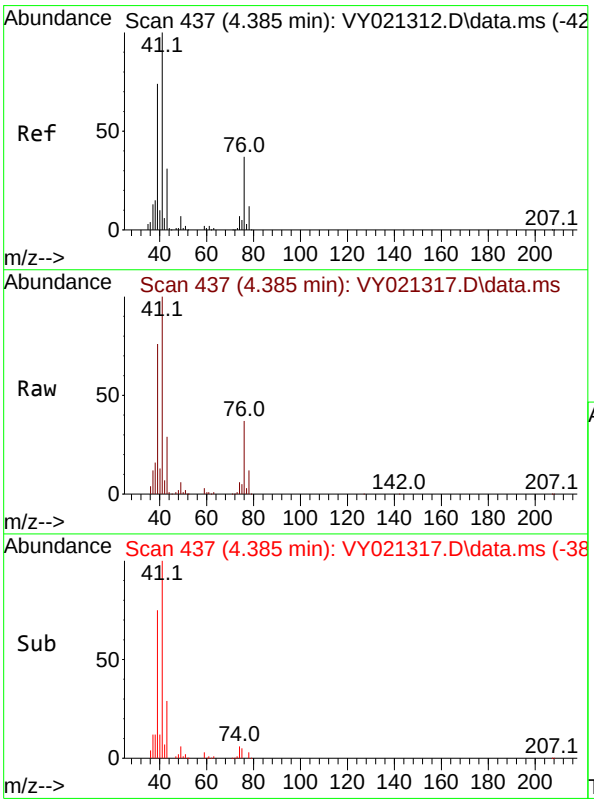
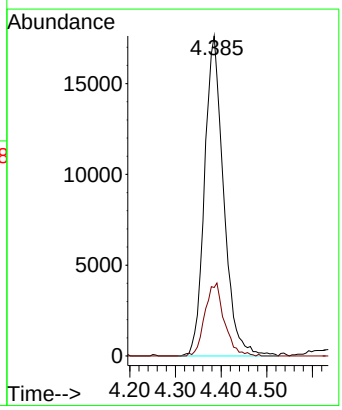
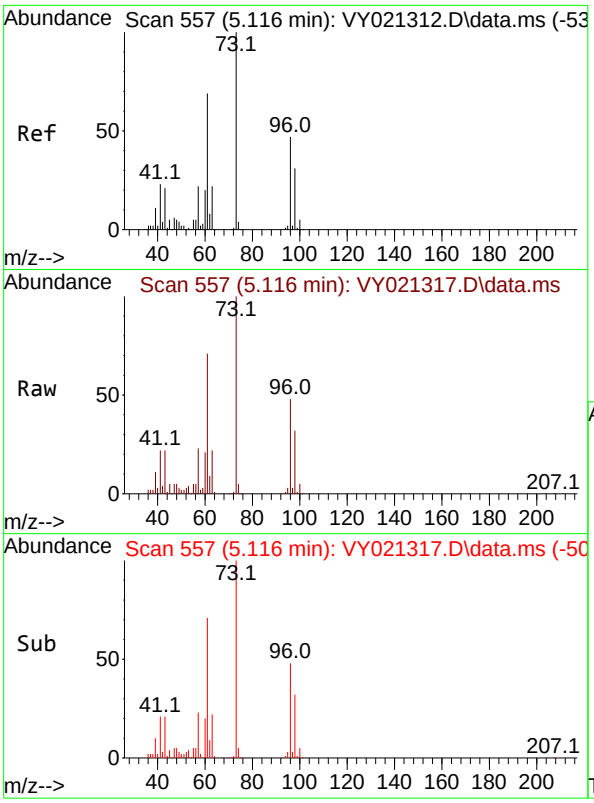


#18
Methyl Acetate
Concen: 52.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 51200

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5

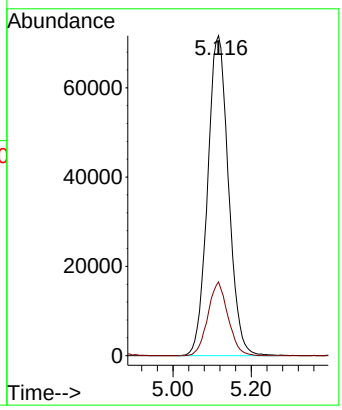




#19
Methyl tert-butyl Ether
Concen: 54.311 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 73 Resp: 26541

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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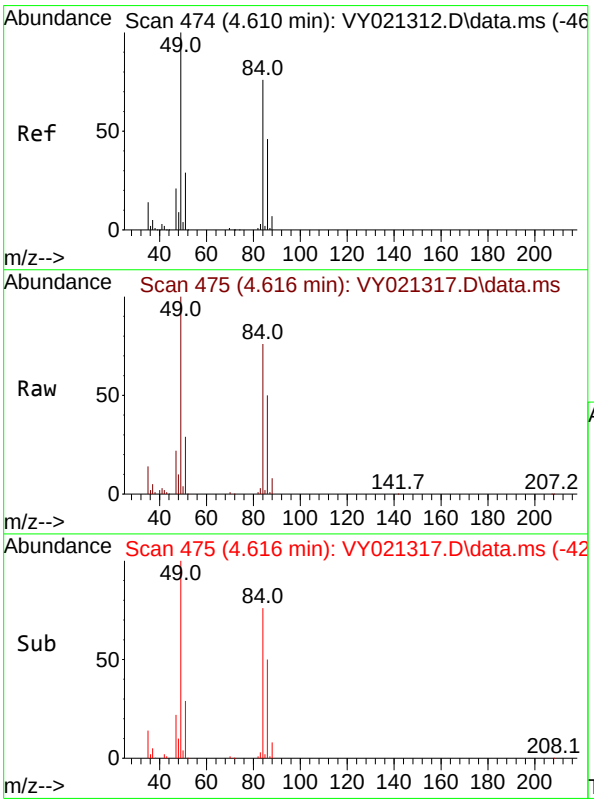
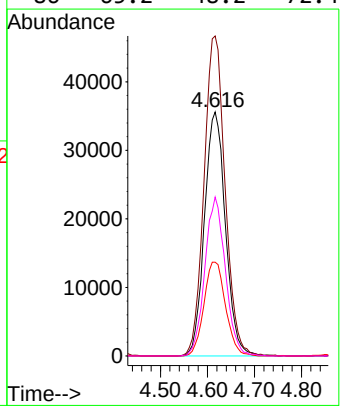
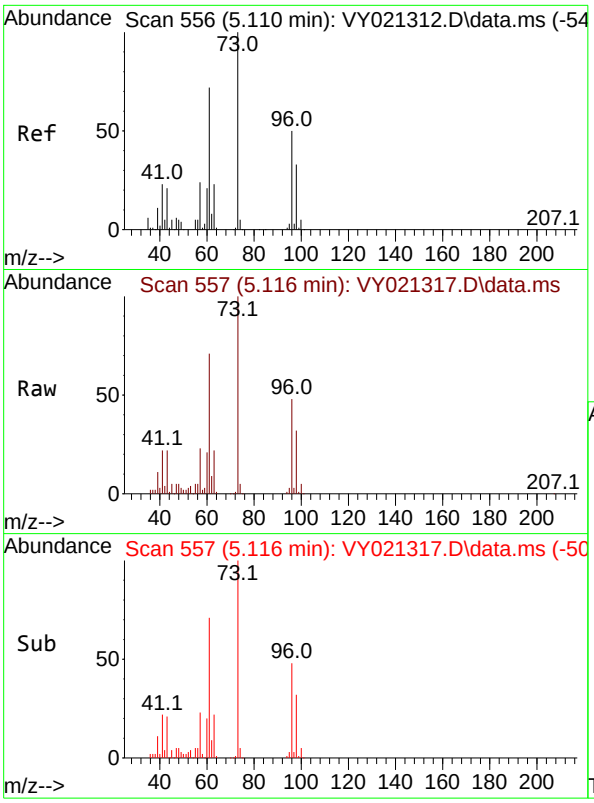


#20
Methylene Chloride
Concen: 51.062 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 84 Resp: 110456

Ion	Ratio	Lower	Upper
84	100		
49	131.2	105.1	157.7
51	38.4	31.0	46.4
86	65.2	48.2	72.4

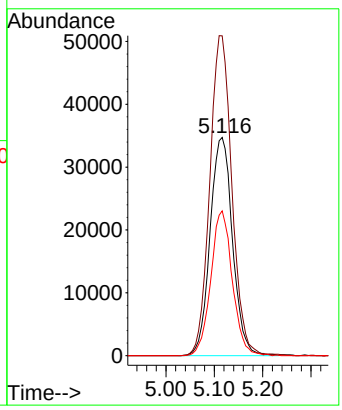




#21
trans-1,2-Dichloroethene
Concen: 55.044 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 11208

Ion	Ratio	Lower	Upper
96	100		
61	146.6	116.3	174.5
98	66.4	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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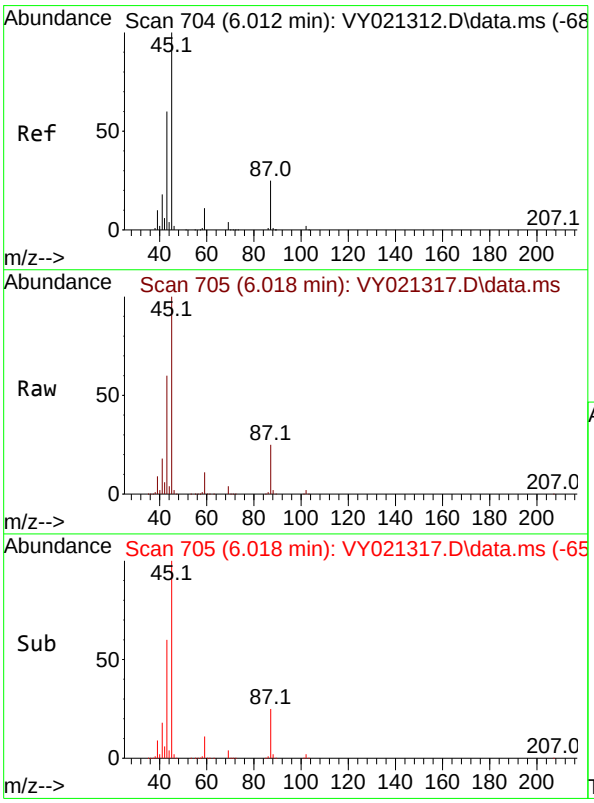
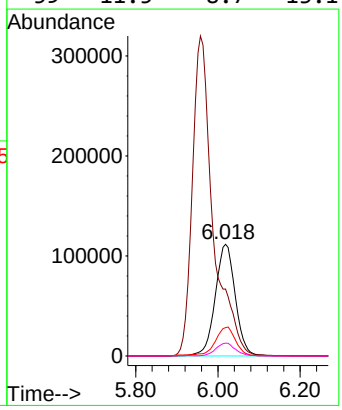
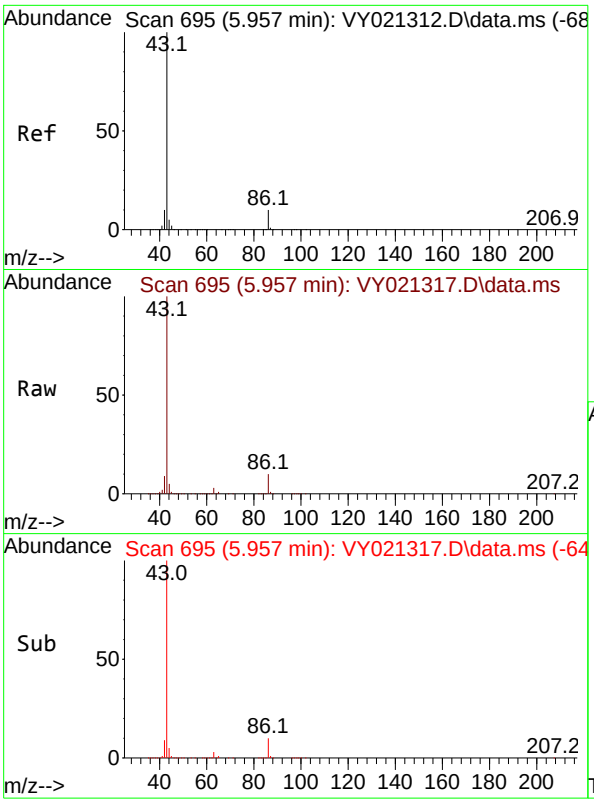


#22
Diisopropyl ether
Concen: 55.595 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 45 Resp: 377281

Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.2	72.4
87	25.4	20.3	30.5
59	11.5	8.7	13.1

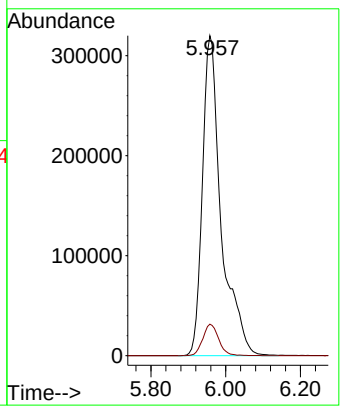




#23
Vinyl Acetate
Concen: 275.197 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 111600

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
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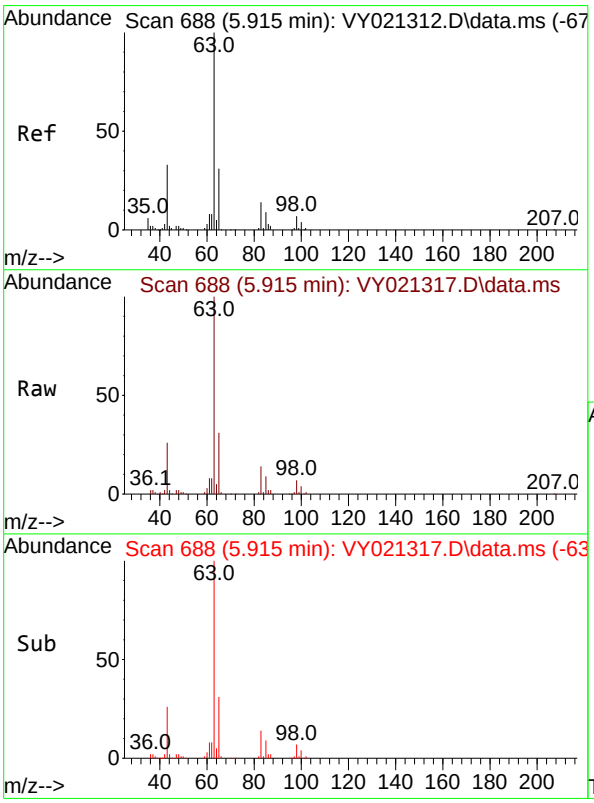
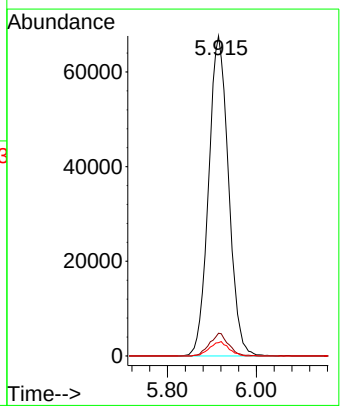
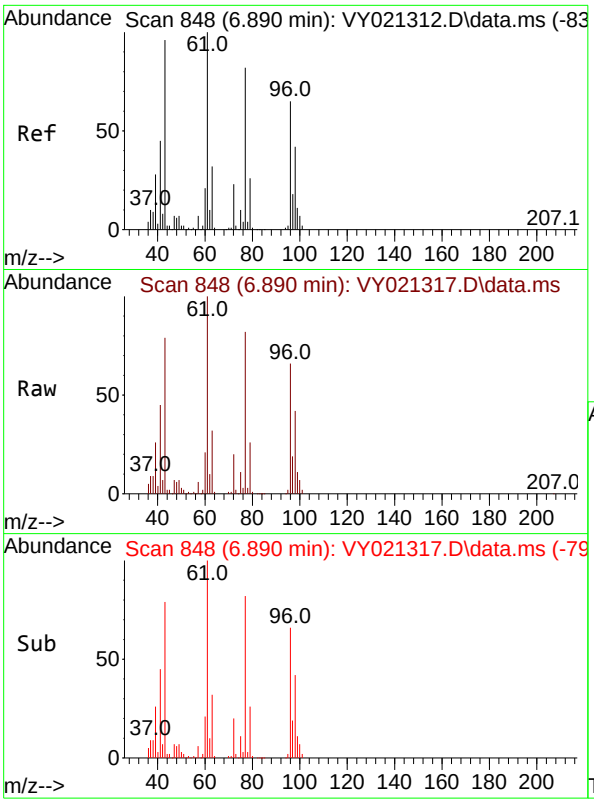


#24
1,1-Dichloroethane
Concen: 55.004 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 210383

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.2	2.1	6.5

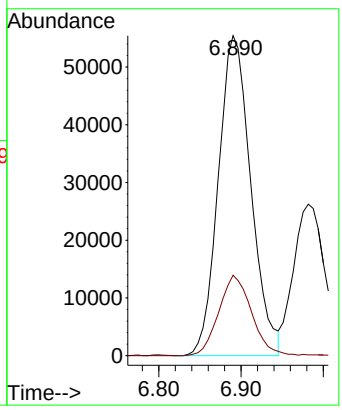




#25
2-Butanone
Concen: 253.246 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 15289

Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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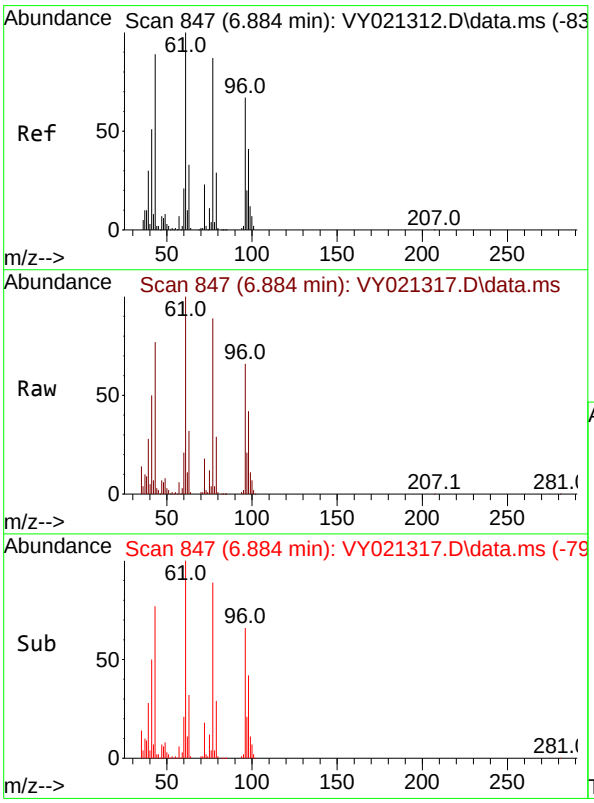
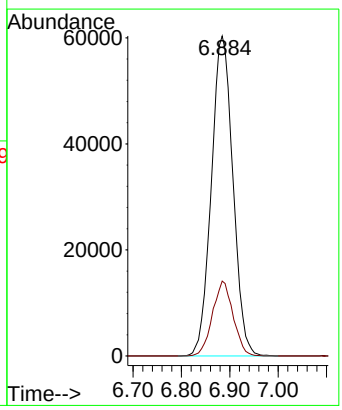
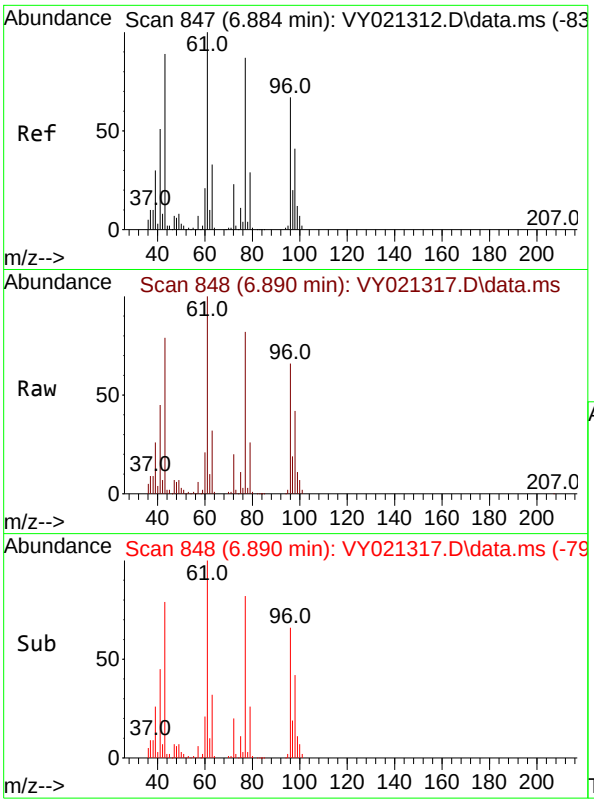


#26
2,2-Dichloropropane
Concen: 53.893 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 77 Resp: 187045

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7

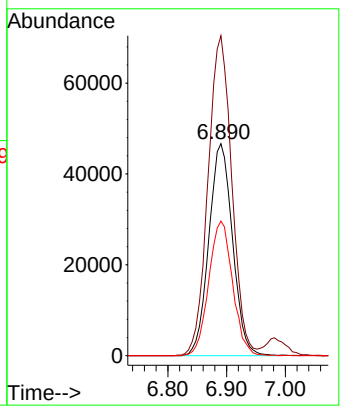




#27
cis-1,2-Dichloroethene
Concen: 56.305 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 13092

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	308.0
98	63.7	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
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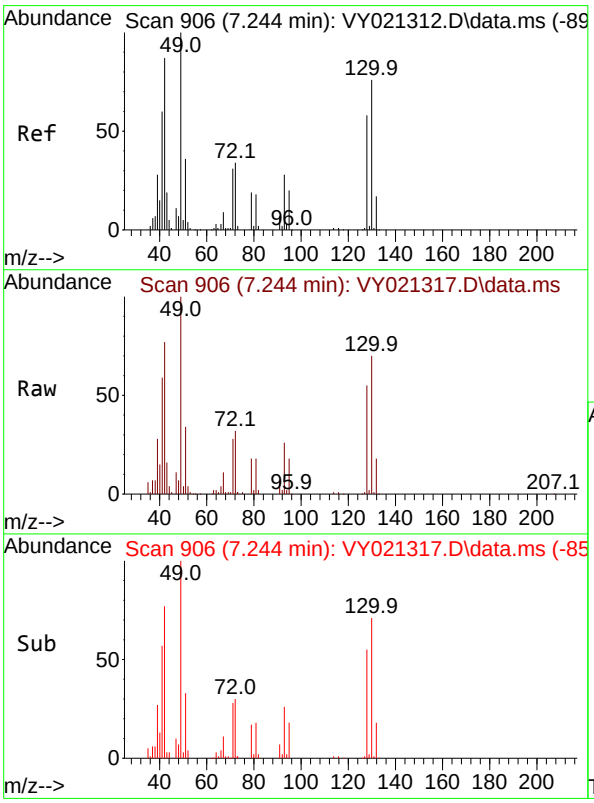
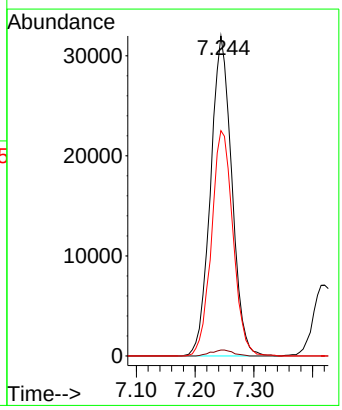
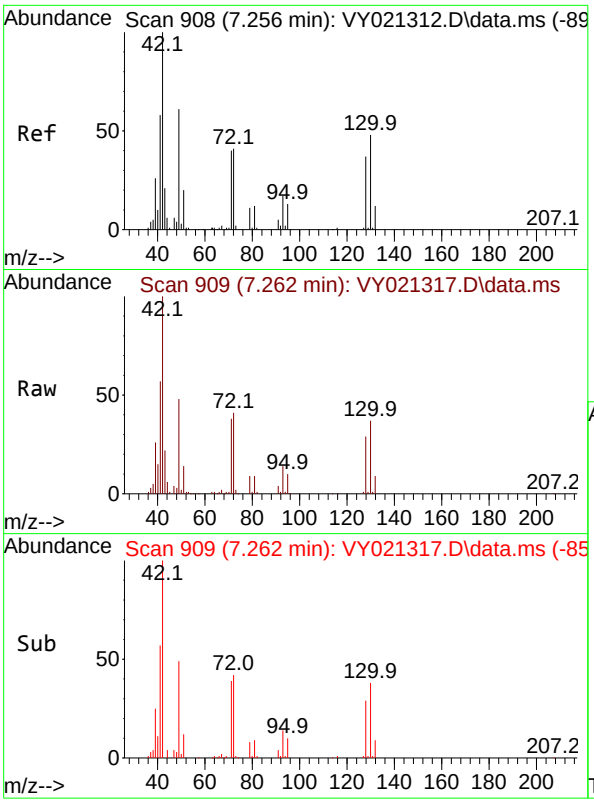


#28
Bromochloromethane
Concen: 47.452 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 49 Resp: 80309

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.5	57.8	86.6

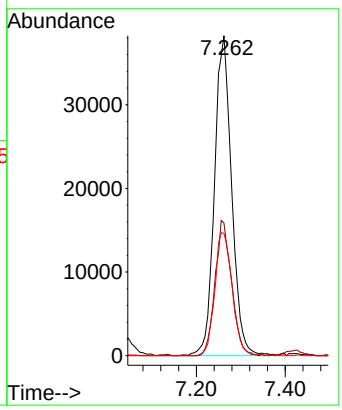




#29
Tetrahydrofuran
Concen: 260.172 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 42 Resp: 10267

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	39.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
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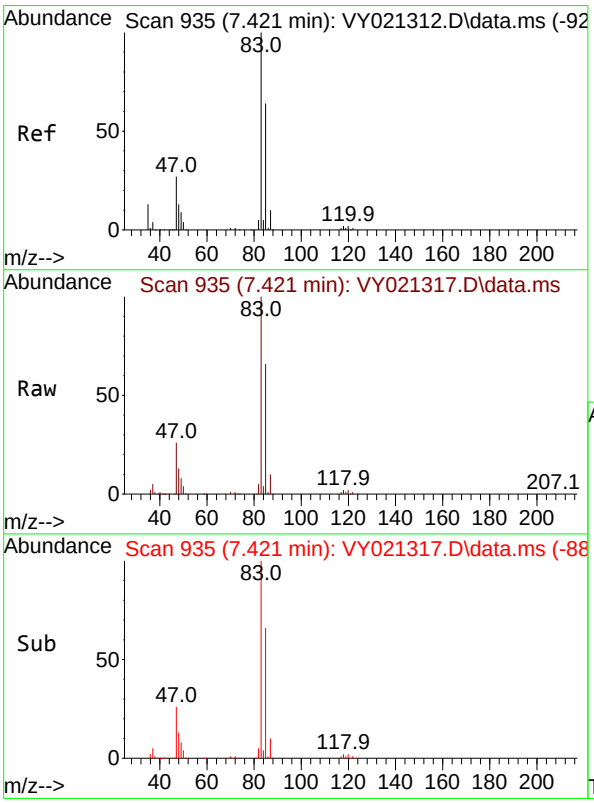
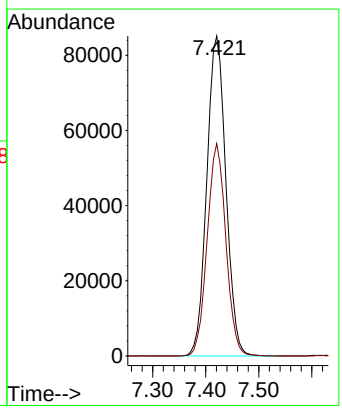
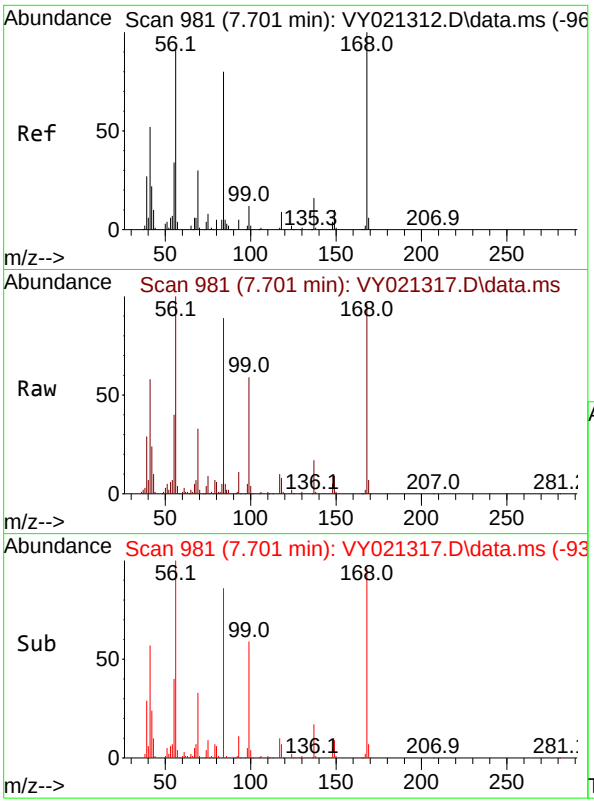


#30
Chloroform
Concen: 55.023 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 213255

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4

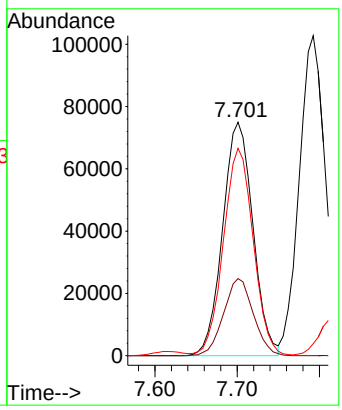




#31
Cyclohexane
Concen: 52.180 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 19185

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	87.3	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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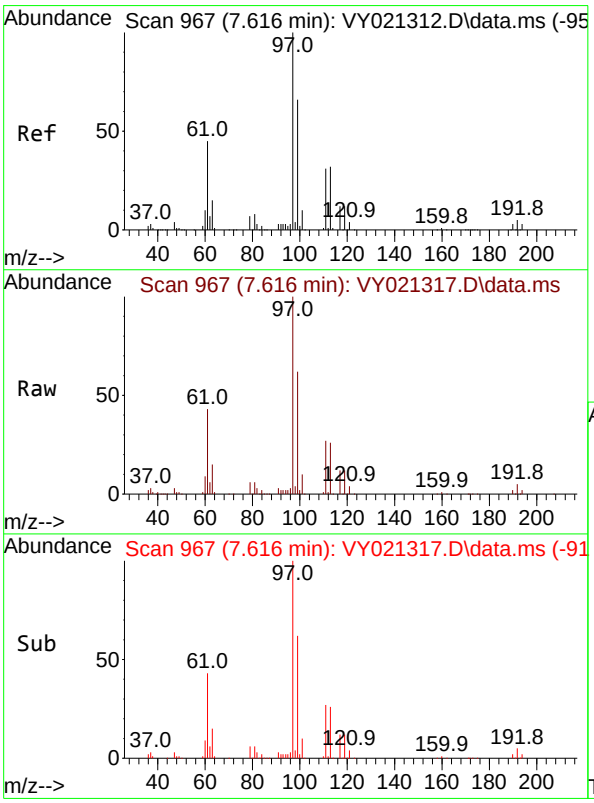
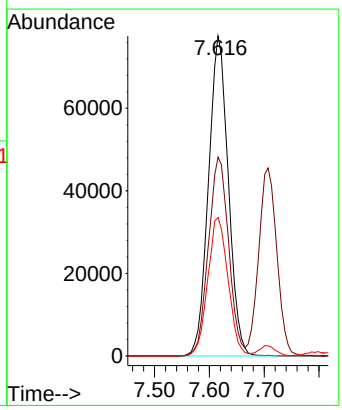
Supervised By :Mahesh Dadoda 02/26/2025

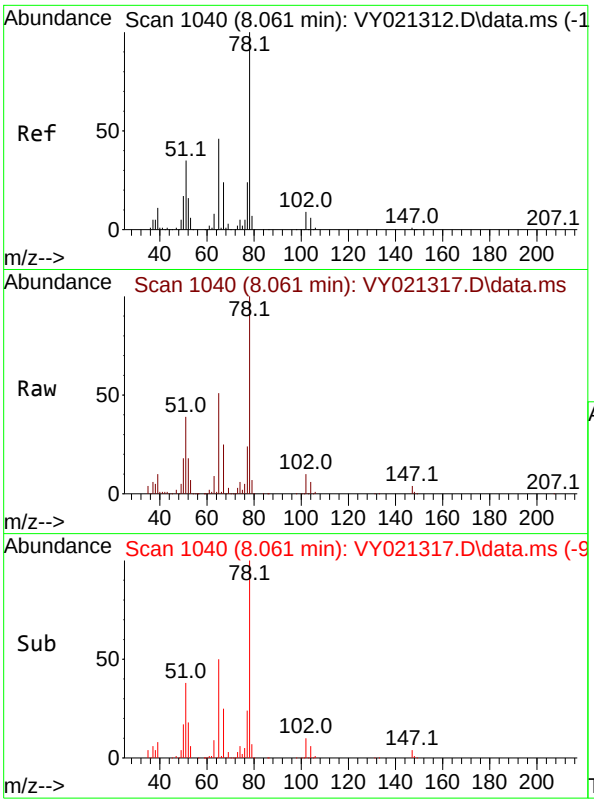


#32
1,1,1-Trichloroethane
Concen: 55.084 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 194325

Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	44.3	36.2	54.2

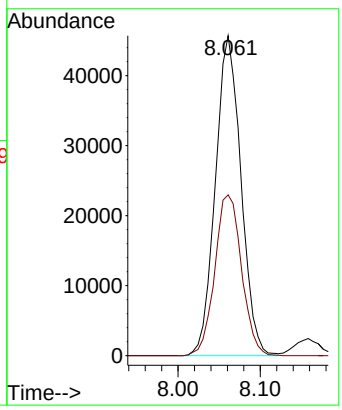




#33
1,2-Dichloroethane-d4
Concen: 47.453 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 65 Resp: 9896(

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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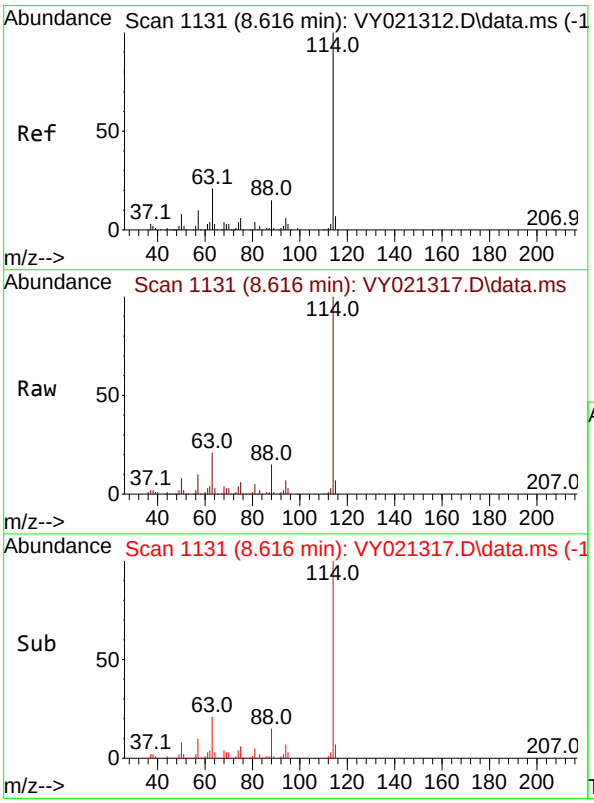
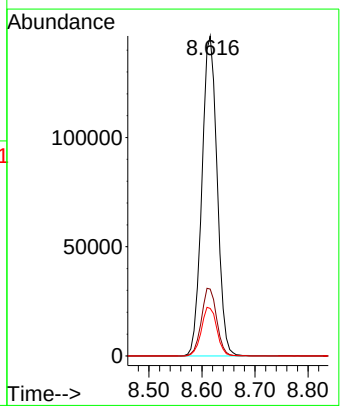
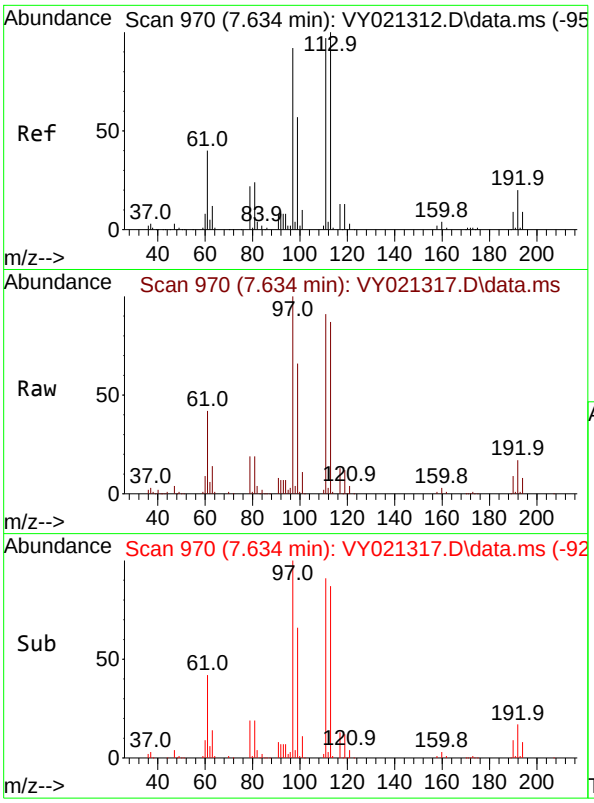


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:114 Resp: 292214

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.2
88	14.9	0.0	29.8

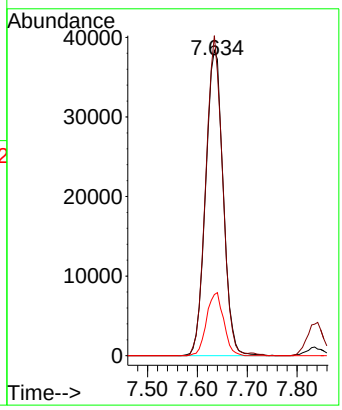




#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:113 Resp: 9394

Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.0	121.6
192	20.1	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
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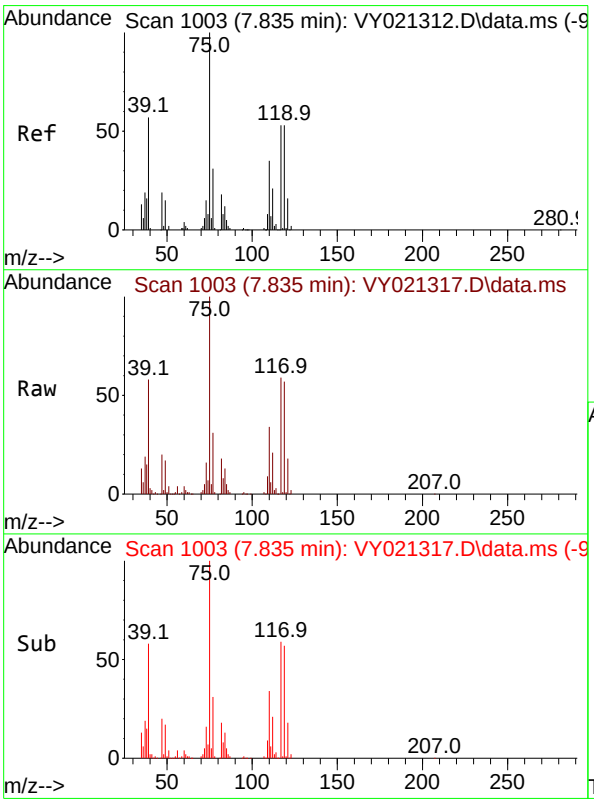
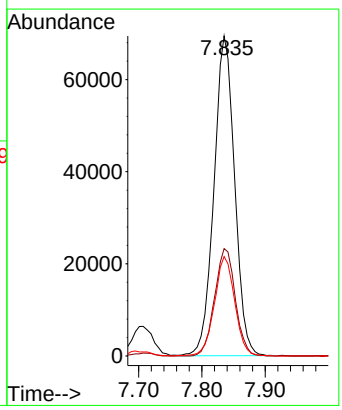
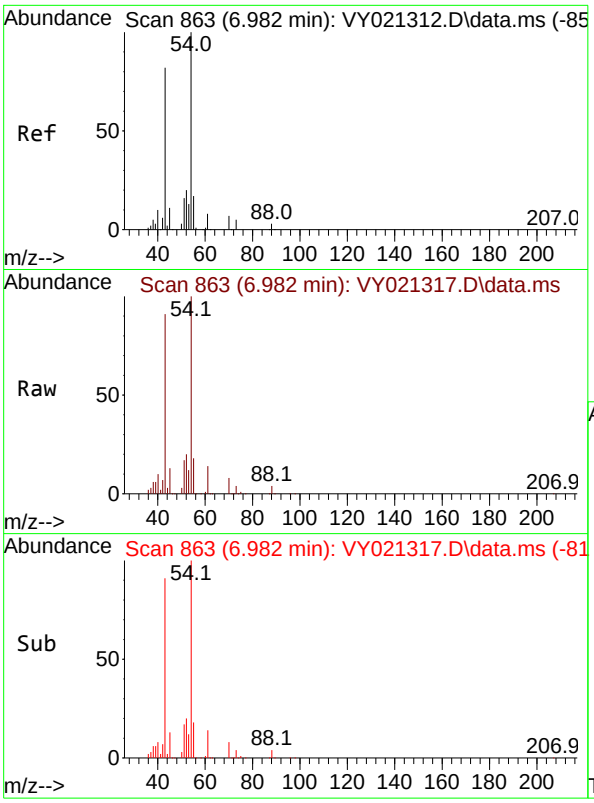


#36
1,1-Dichloropropene
Concen: 54.593 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 157102

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	30.7	24.6	36.8





#37
Ethyl Acetate
Concen: 50.864 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 7281

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.4	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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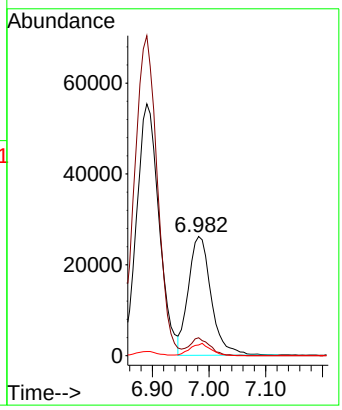
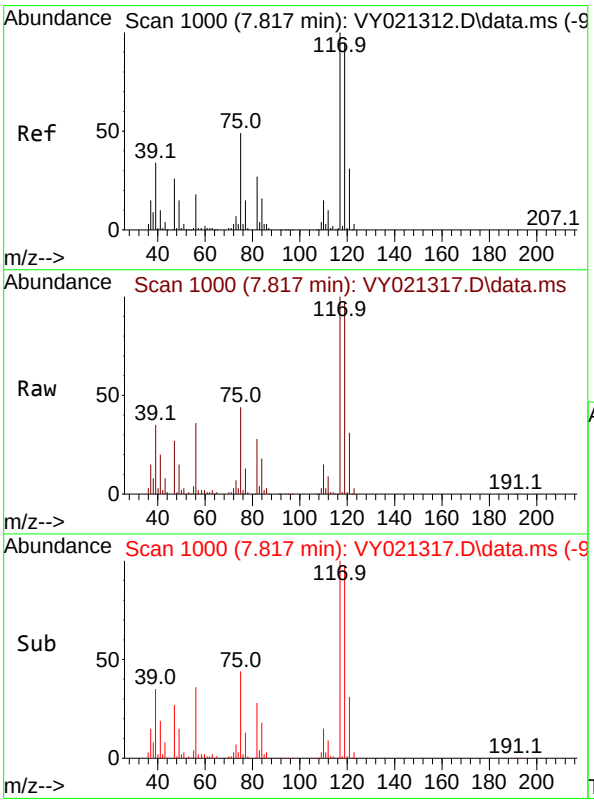
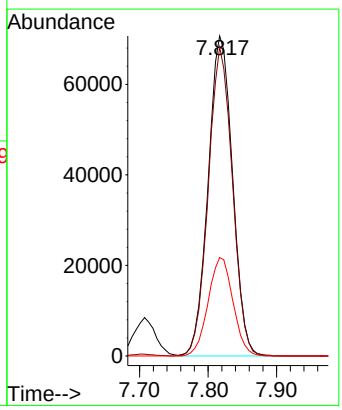


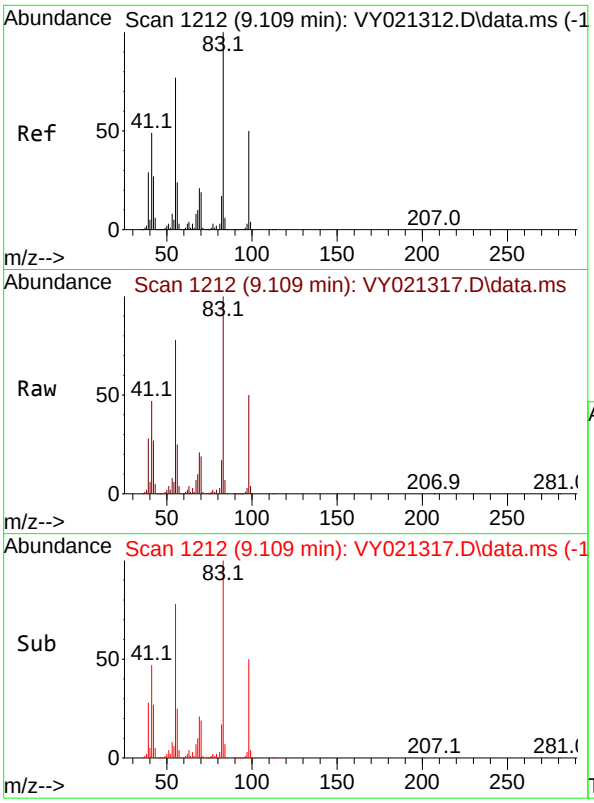


#38
Carbon Tetrachloride
Concen: 54.157 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 175208

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.0	114.0
121	30.8	24.9	37.3





#39
Methylcyclohexane
Concen: 54.397 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 19799

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.7	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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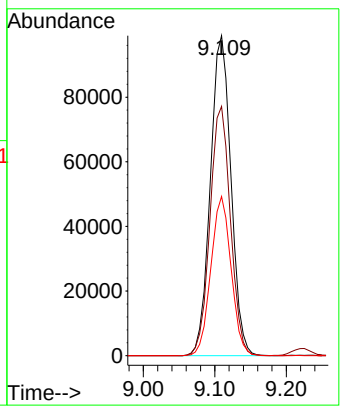
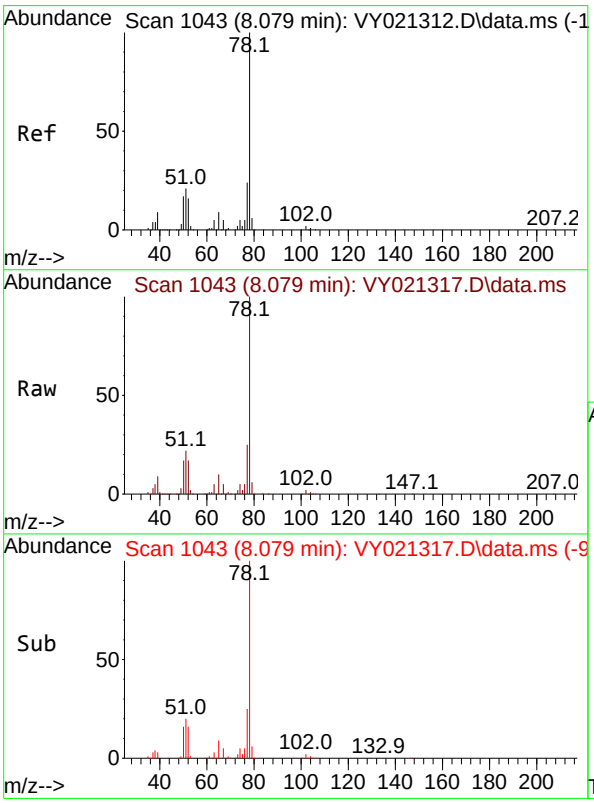
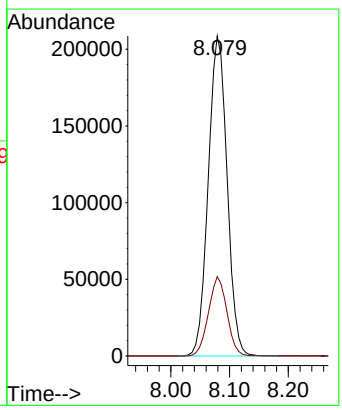


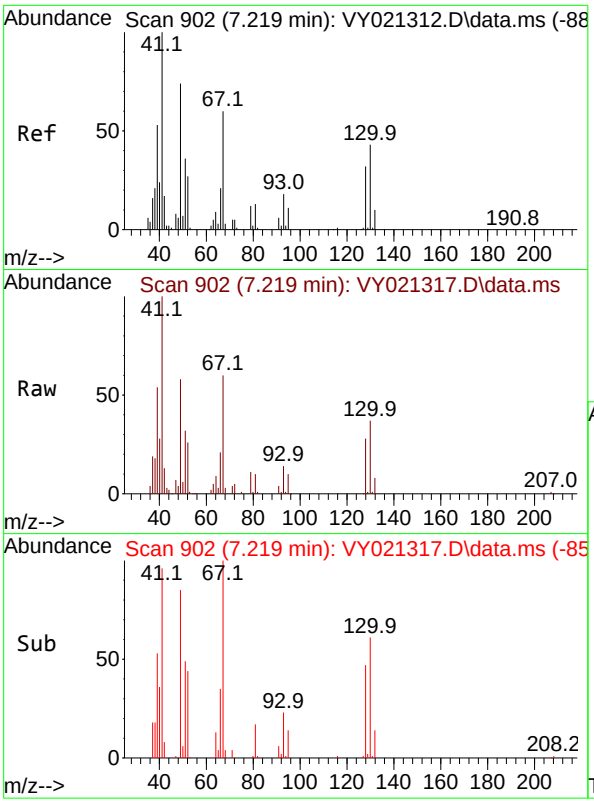


#40
Benzene
Concen: 54.583 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 78 Resp: 464323

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8

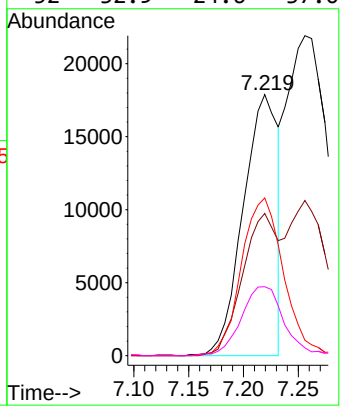




#41
Methacrylonitrile
Concen: 49.244 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 3941

Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.3	63.5
67	73.3	54.8	82.2
52	32.9	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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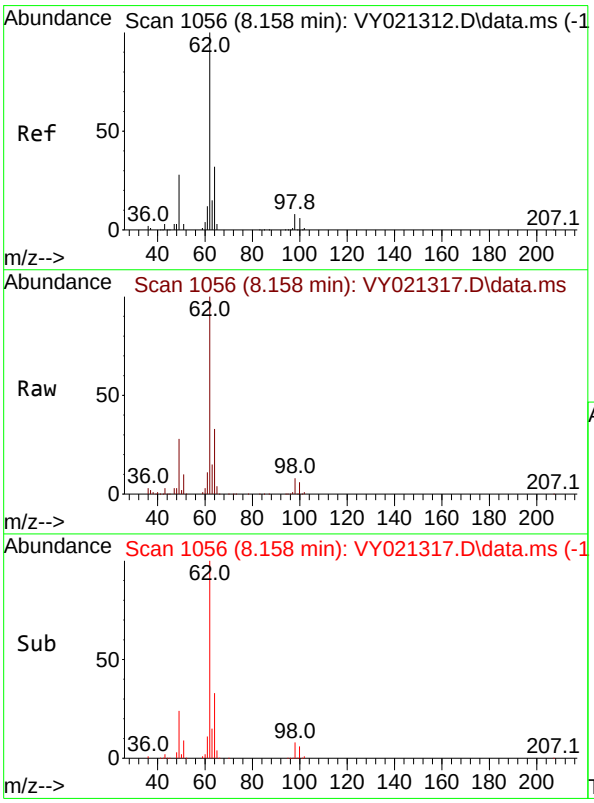
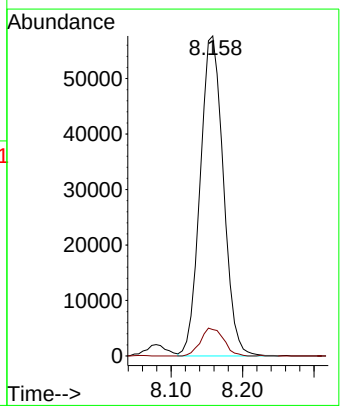
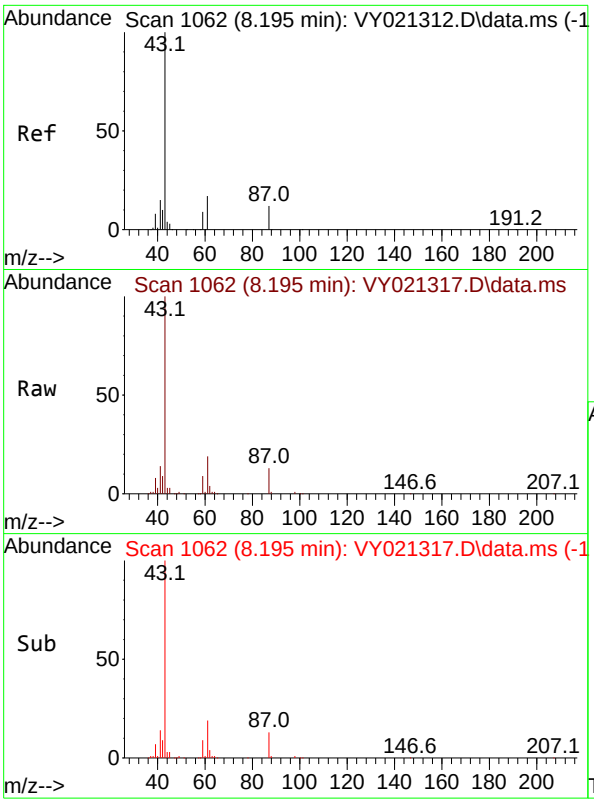


#42
1,2-Dichloroethane
Concen: 53.746 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 129718

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6

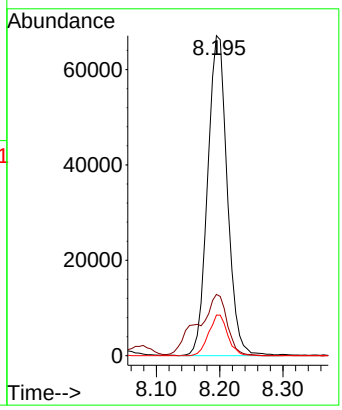




#43
Isopropyl Acetate
Concen: 52.380 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 14512

Ion	Ratio	Lower	Upper
43	100		
61	28.5	15.0	22.6
87	12.3	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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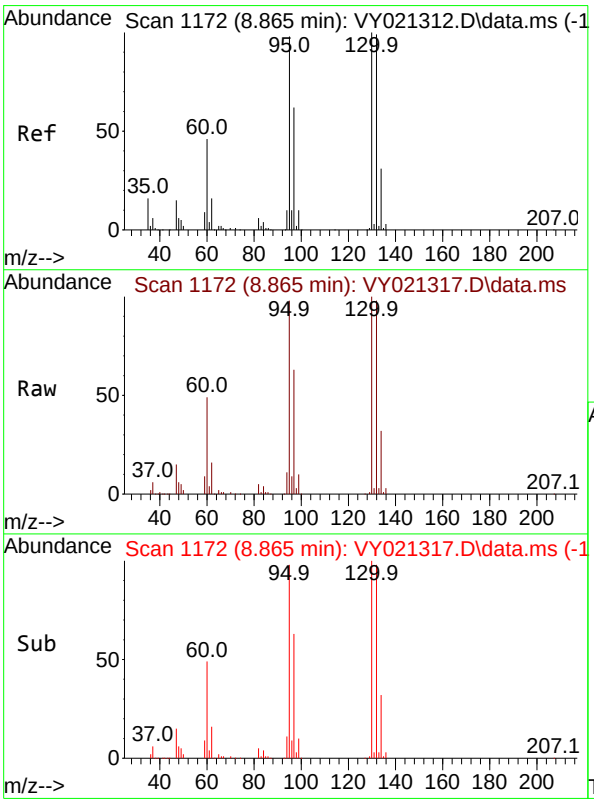
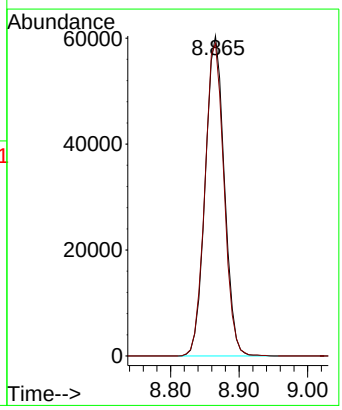
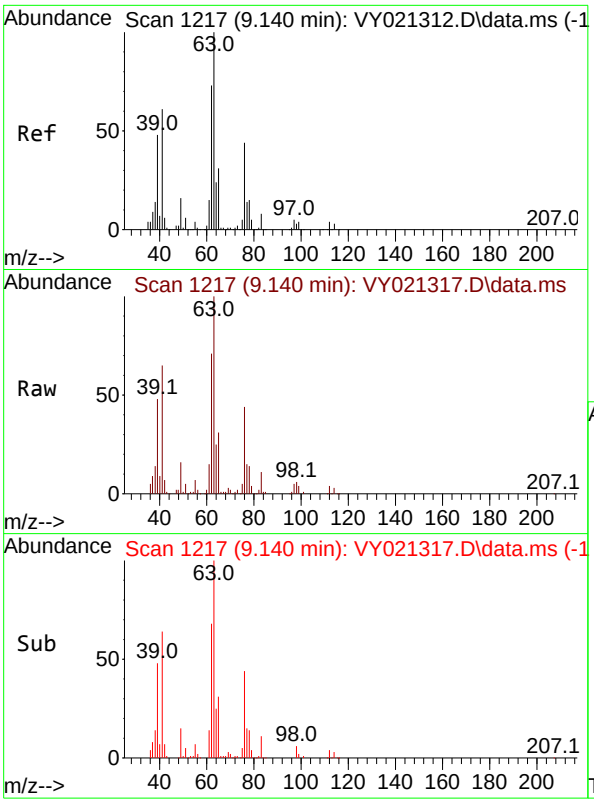


#44
Trichloroethene
Concen: 54.930 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:130 Resp: 116988

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	196.0

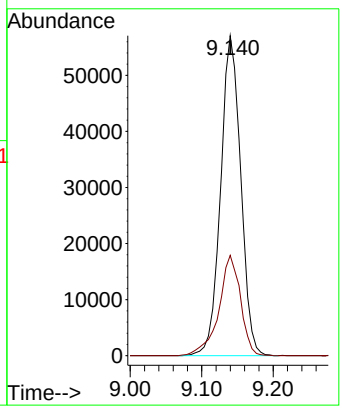




#45
1,2-Dichloropropane
Concen: 54.464 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 11149

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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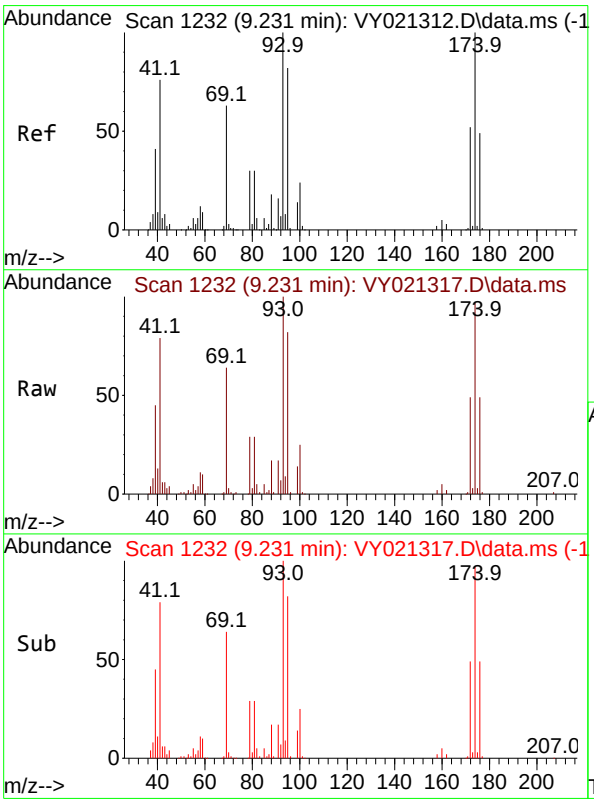
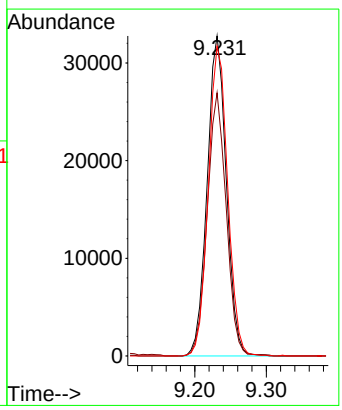
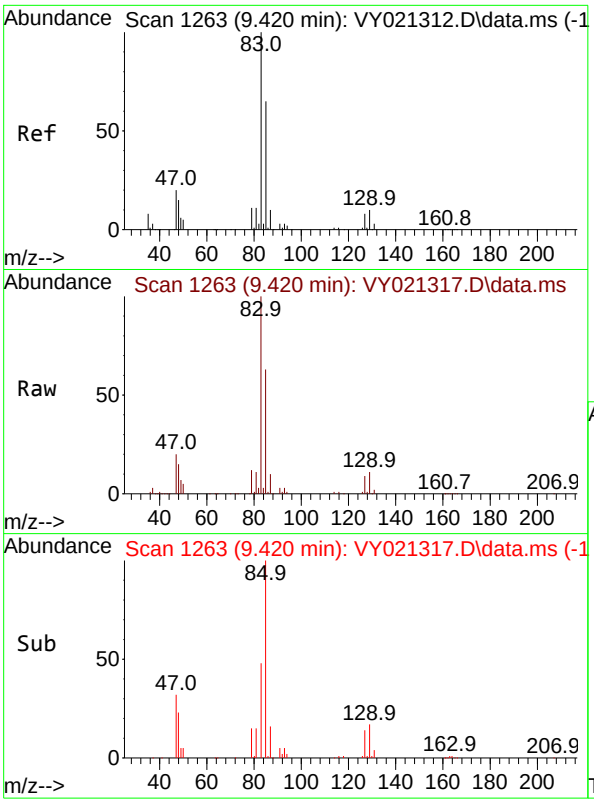


#46
Dibromomethane
Concen: 54.539 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 93 Resp: 61031

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.4	99.6
174	98.0	78.2	117.2

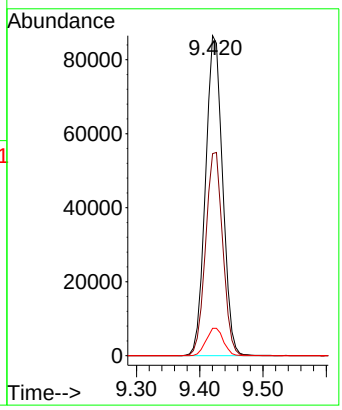




#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 16258

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8
127	8.5	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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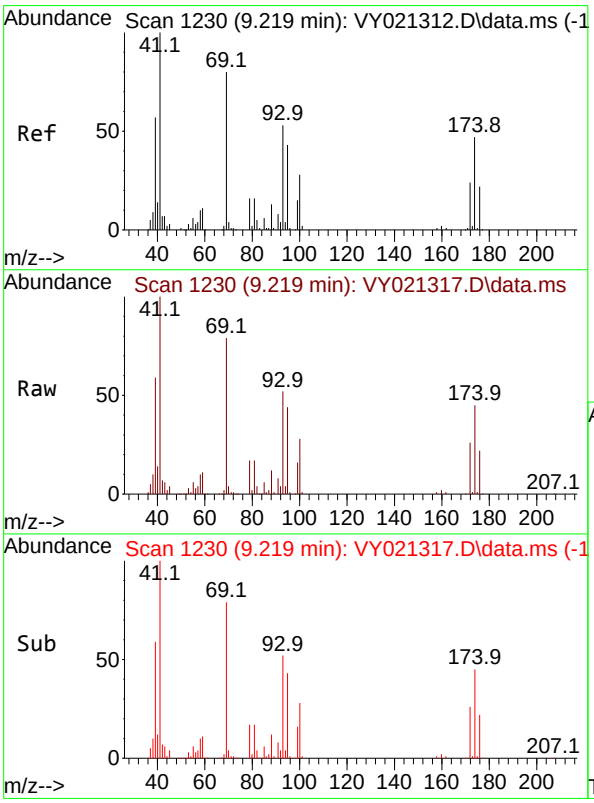
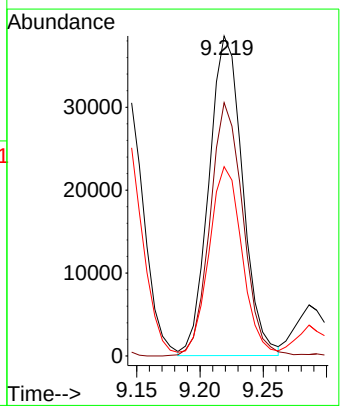
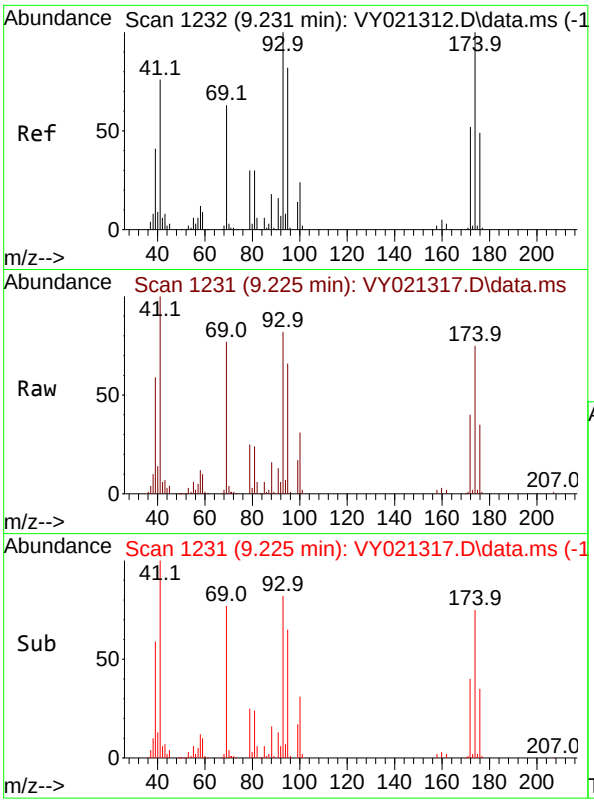


#48
Methyl methacrylate
Concen: 55.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 71360

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	56.2	45.0	67.6

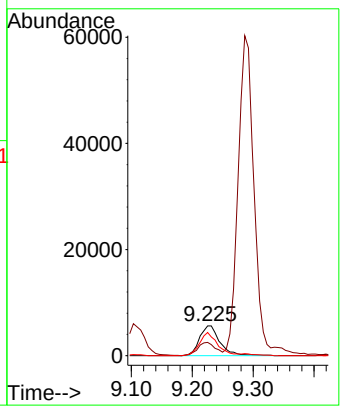




#49
1,4-Dioxane
Concen: 1053.076 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 88 Resp: 1310

Ion	Ratio	Lower	Upper
88	100		
43	39.5	34.8	52.2
58	69.6	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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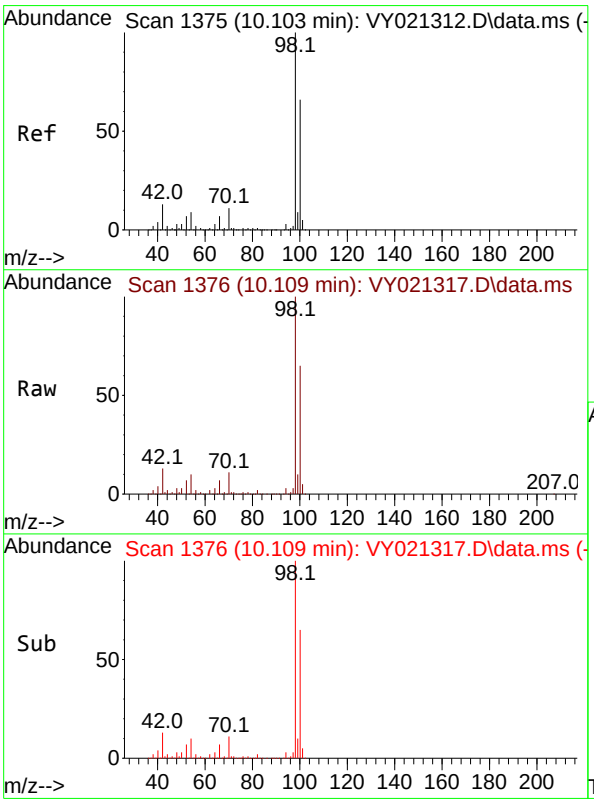
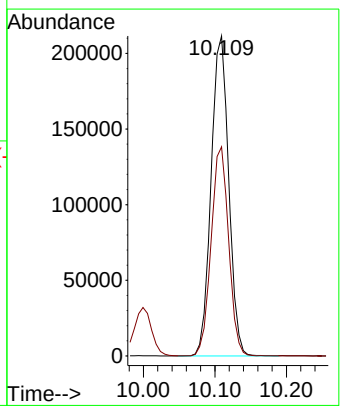
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

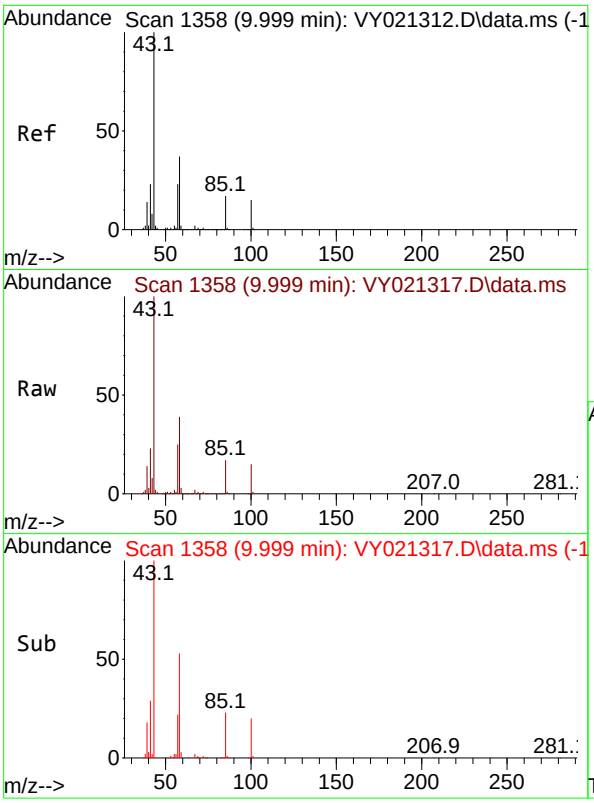


#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 98 Resp: 360528

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

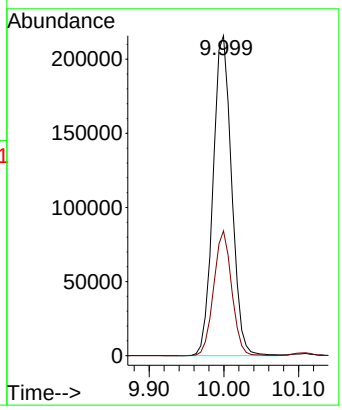




#51
4-Methyl-2-Pentanone
Concen: 262.628 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 37248

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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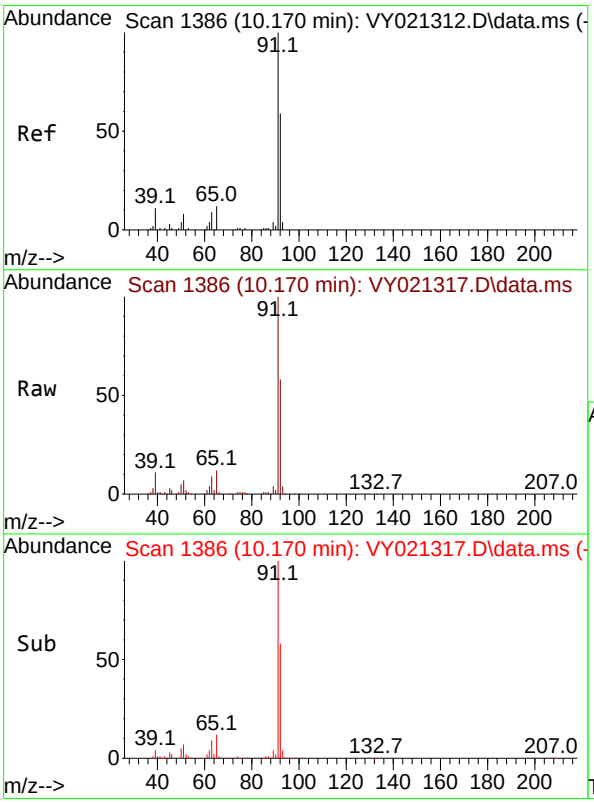
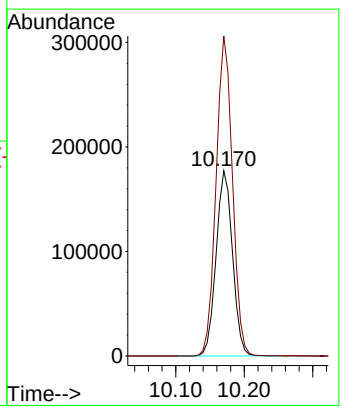
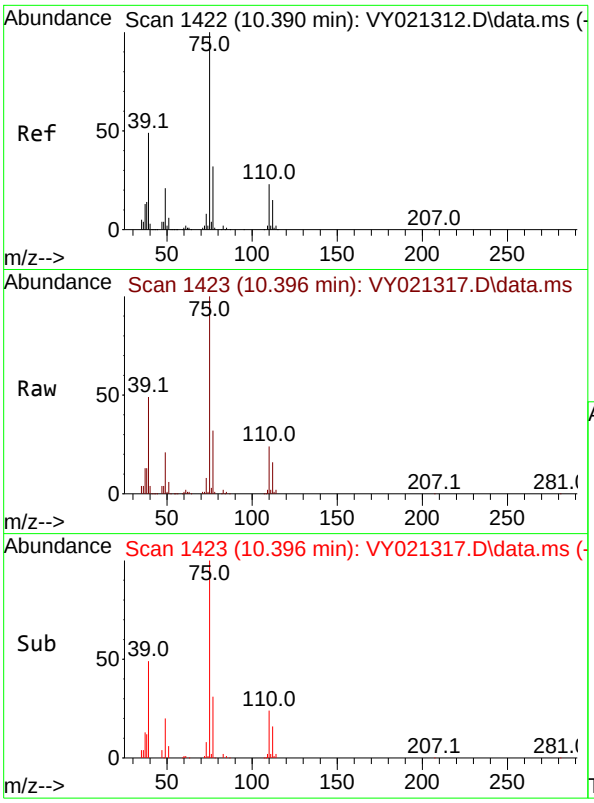


#52
Toluene
Concen: 55.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 92 Resp: 294219

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8

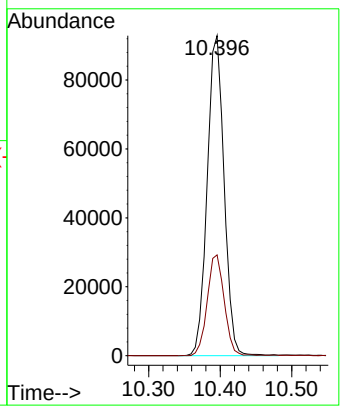




#53
t-1,3-Dichloropropene
Concen: 55.699 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 15226

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9



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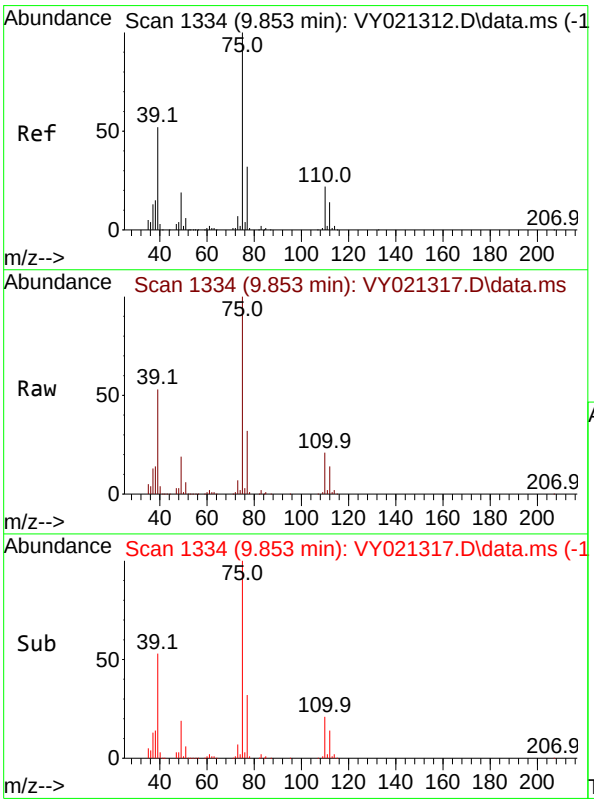
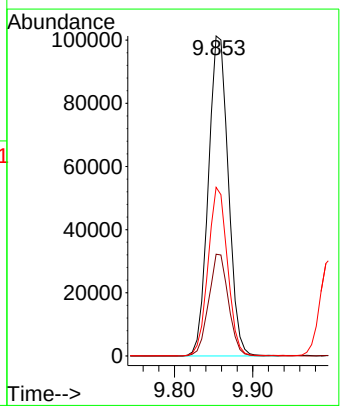
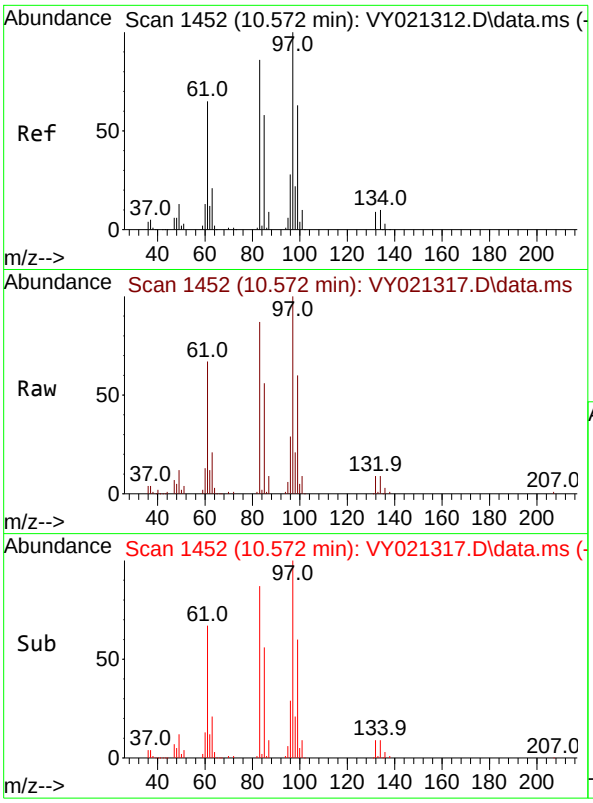


#54
cis-1,3-Dichloropropene
Concen: 55.451 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 178951

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.6	41.8	62.6

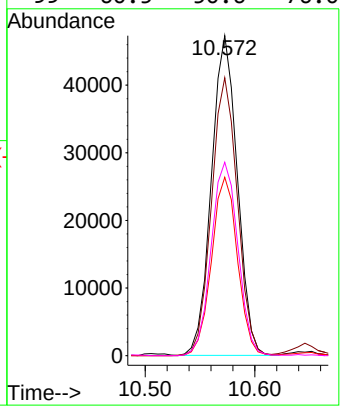




#55
1,1,2-Trichloroethane
Concen: 53.263 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 7764

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	55.7	46.3	69.5
99	60.5	50.6	76.0



Instrument :
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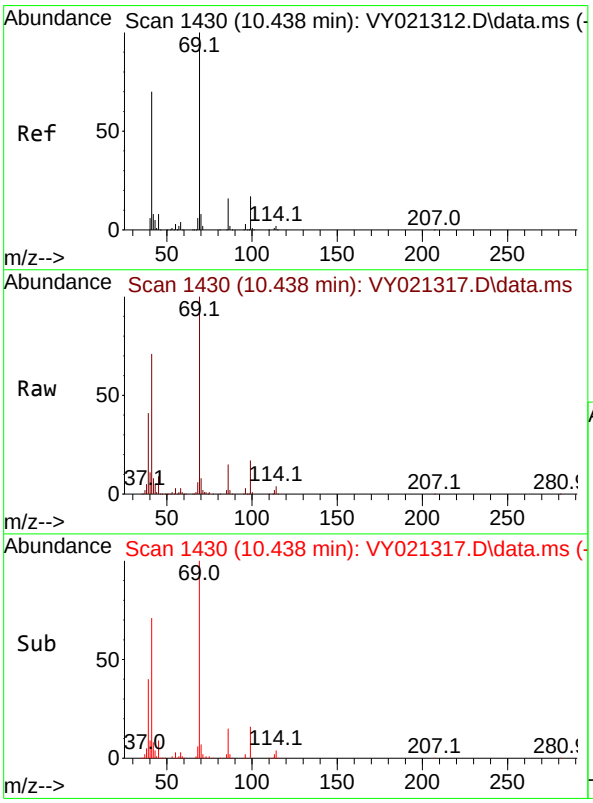
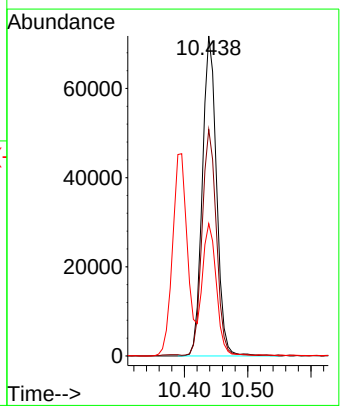
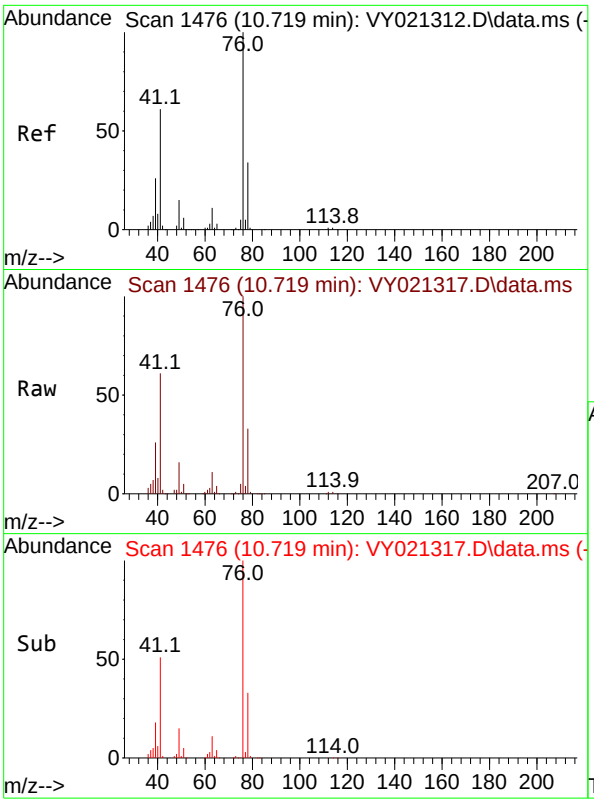


#56
Ethyl methacrylate
Concen: 55.679 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 69 Resp: 112155

Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.4
39	39.6	32.7	49.1

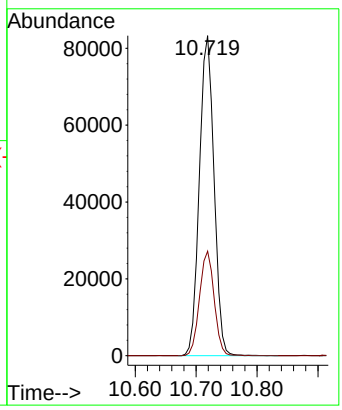




#57
1,3-Dichloropropane
Concen: 54.438 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 13925

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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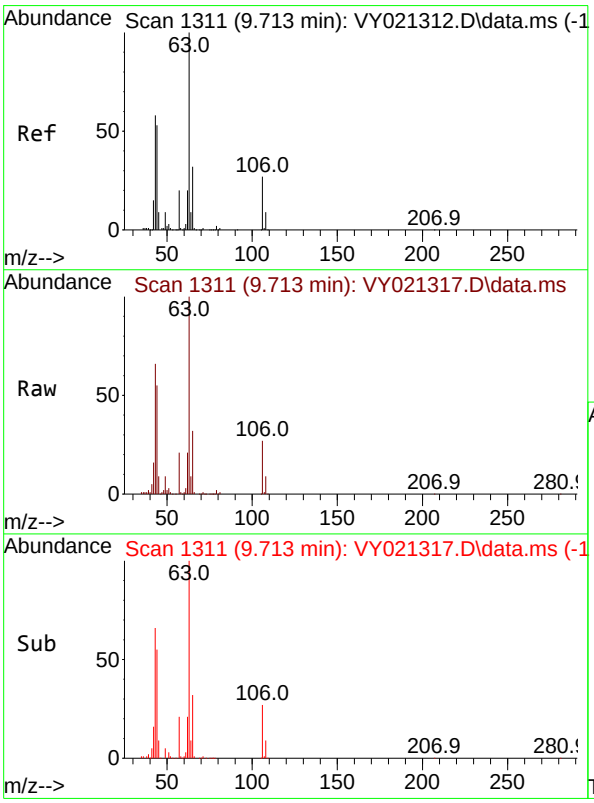
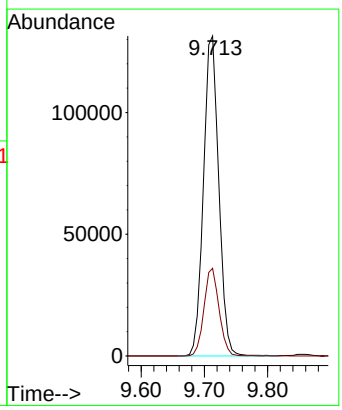
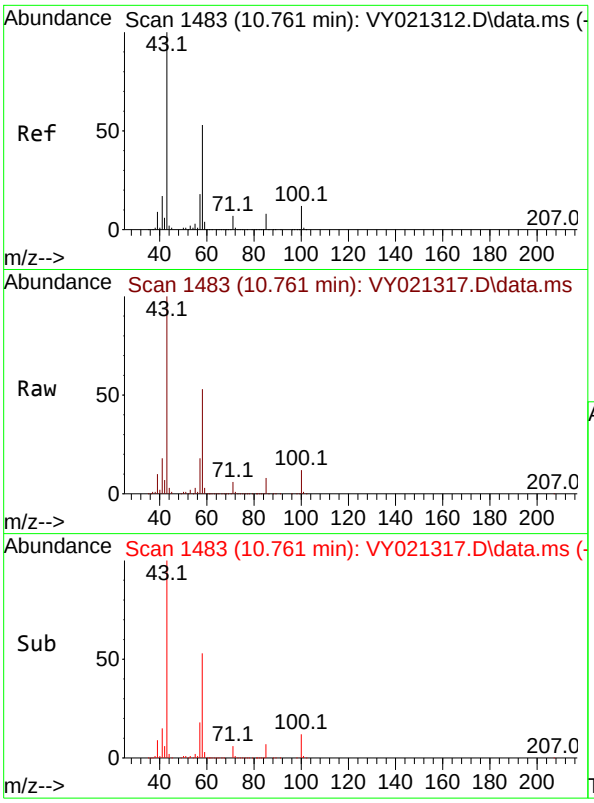


#58
2-Chloroethyl Vinyl ether
Concen: 228.990 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 221395

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5

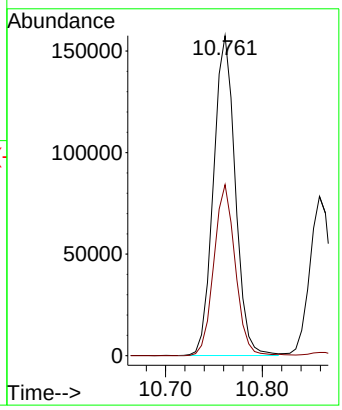




#59
2-Hexanone
Concen: 264.133 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 24603

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6



Instrument :
MSVOA_Y
ClientSampleId :
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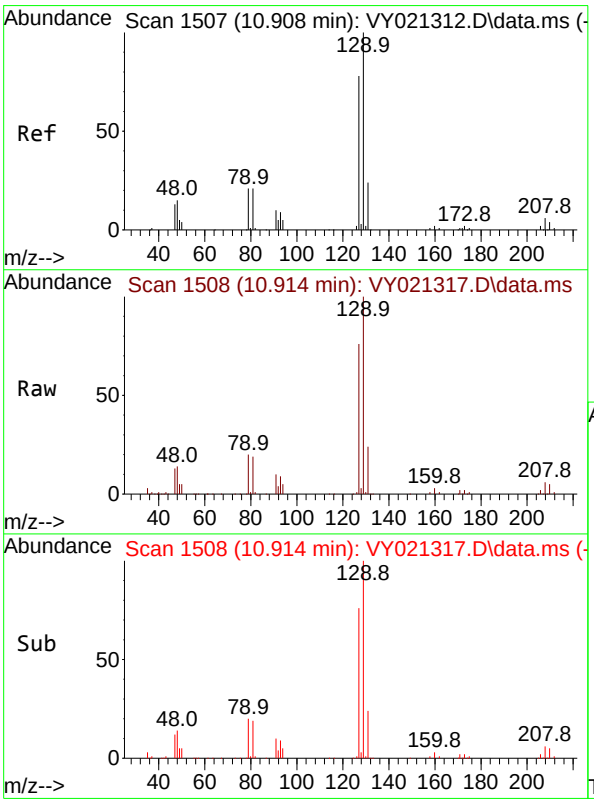
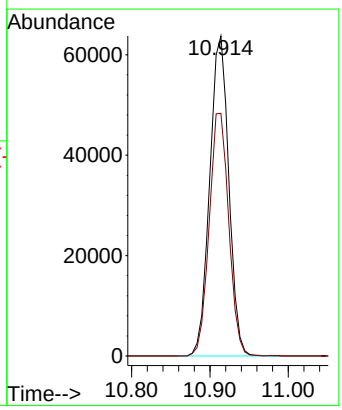
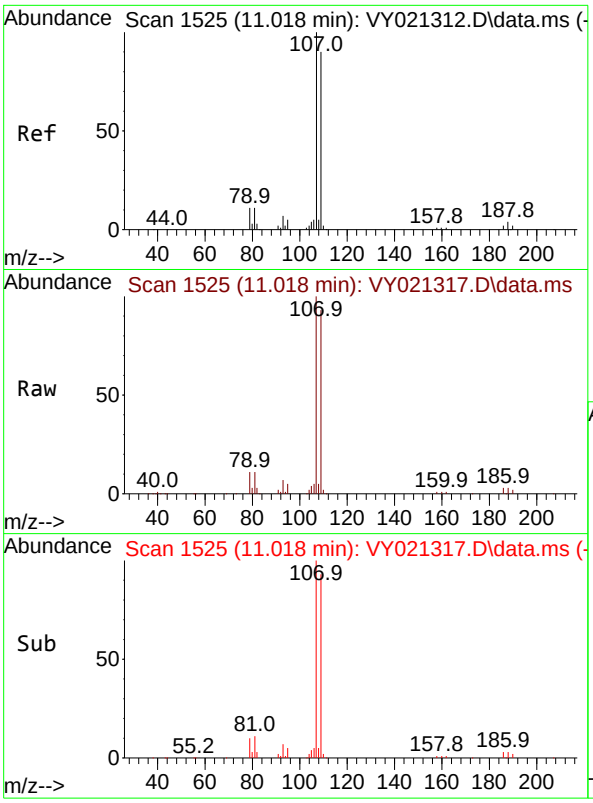


#60
Dibromochloromethane
Concen: 54.329 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:129 Resp: 107866

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

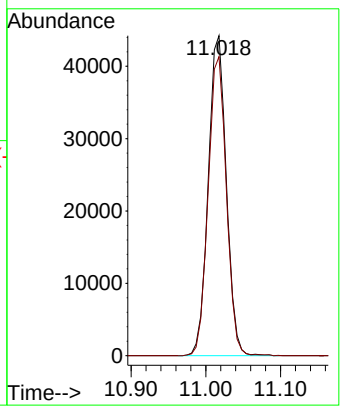




#61
1,2-Dibromoethane
Concen: 53.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:107 Resp: 7444

Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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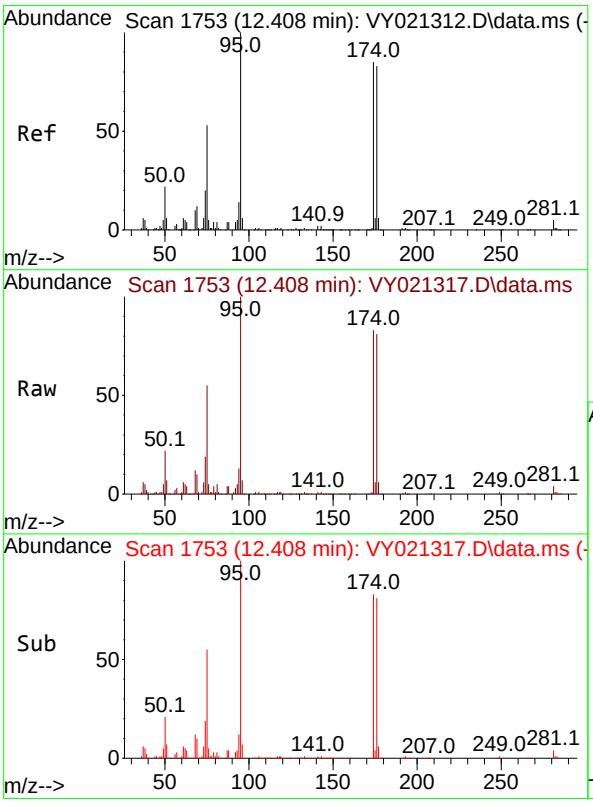
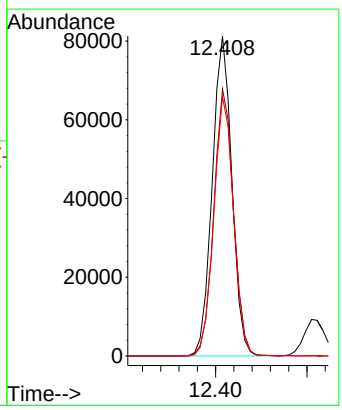
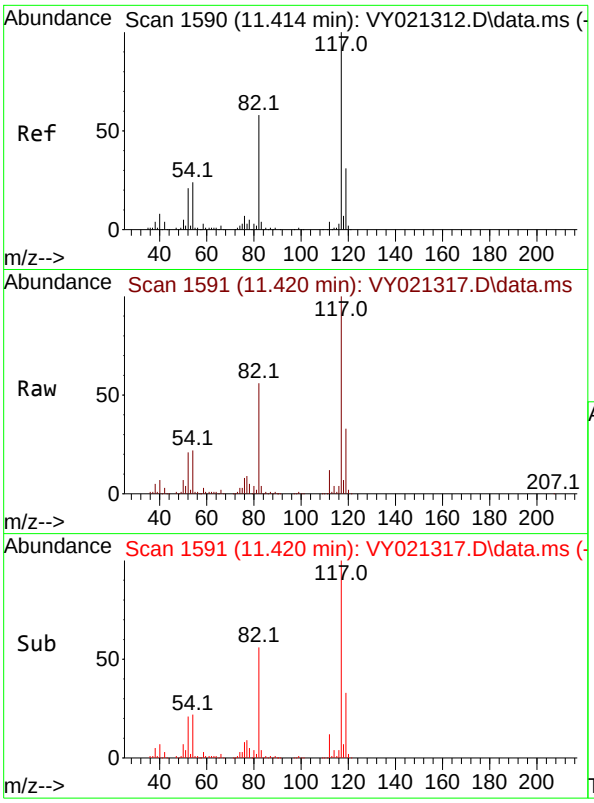


#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 95 Resp: 120972

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	168.0
176	81.4	0.0	162.6

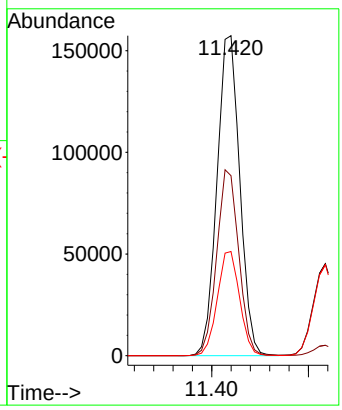




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 25712

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	32.5	24.9	37.3



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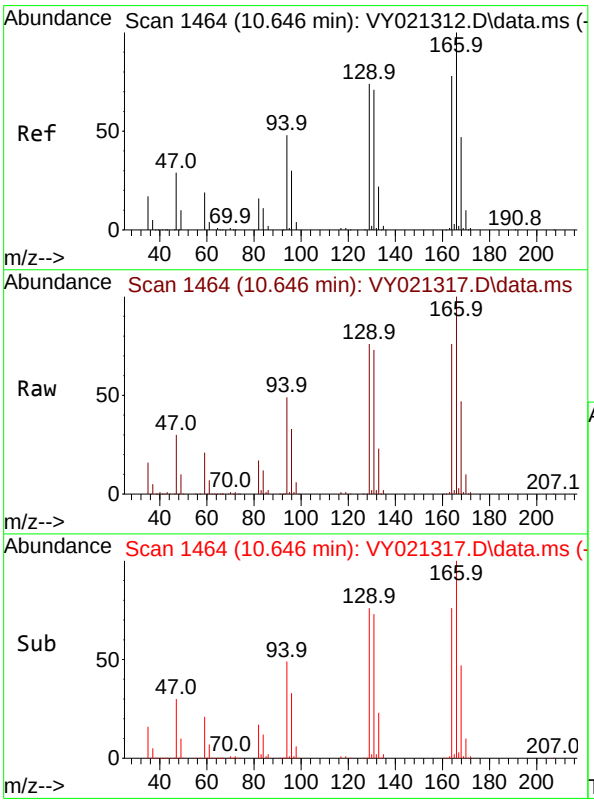
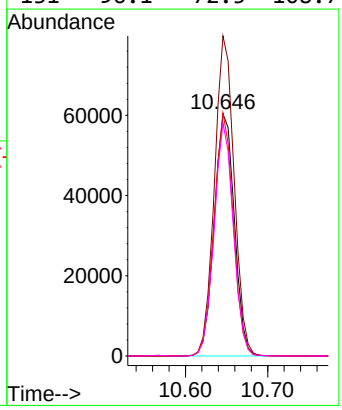
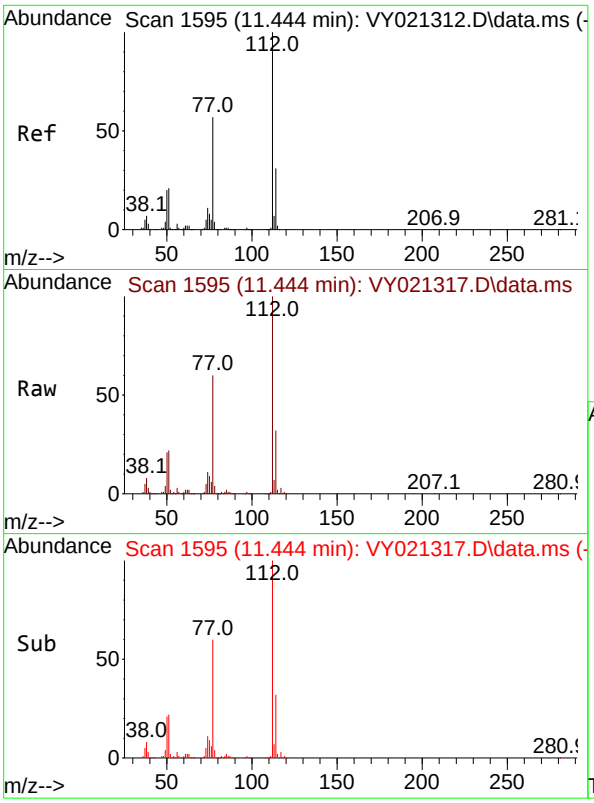


#64
Tetrachloroethene
Concen: 52.940 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:164 Resp: 102887

Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.9	152.9
129	100.4	75.5	113.3
131	96.1	72.5	108.7

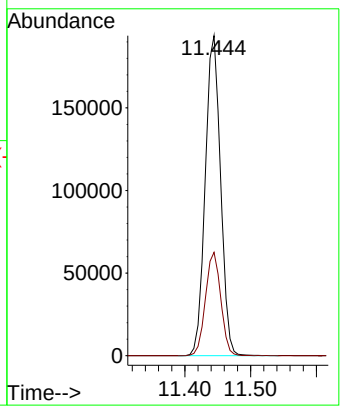




#65
Chlorobenzene
Concen: 54.410 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:112 Resp: 31404

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6



Instrument :
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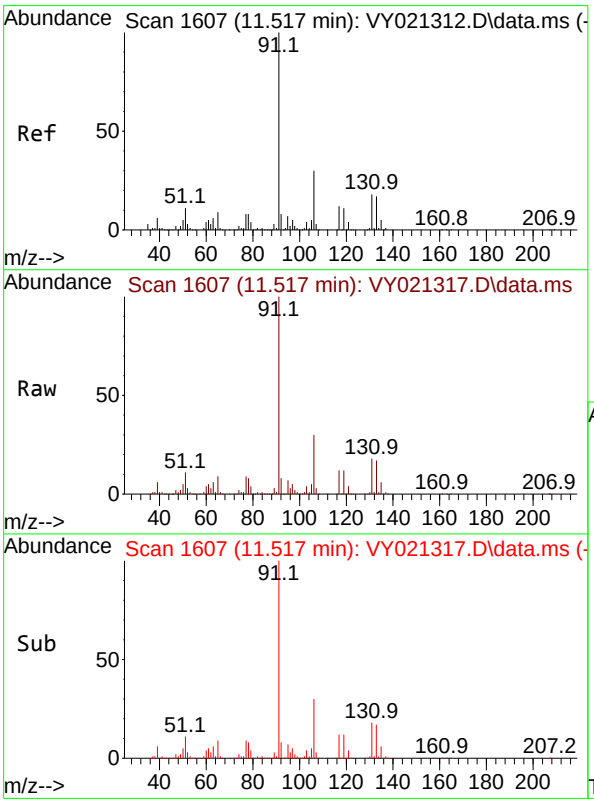
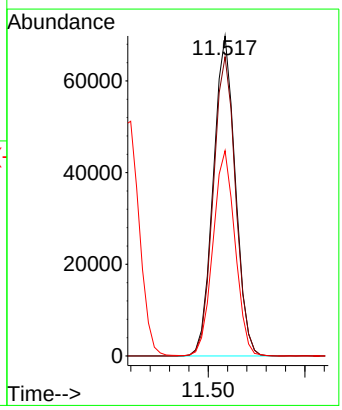
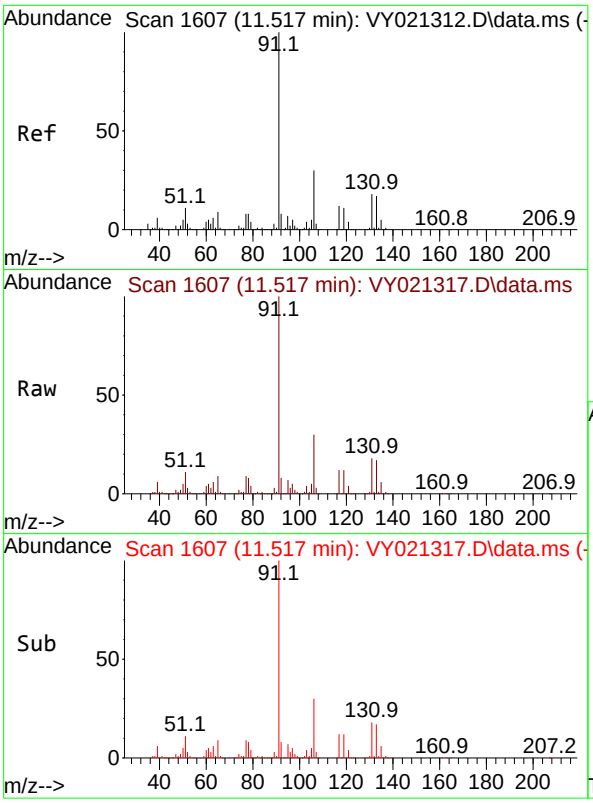


#66
1,1,1,2-Tetrachloroethane
Concen: 54.517 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:131 Resp: 110179

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.6
119	64.3	31.7	95.1

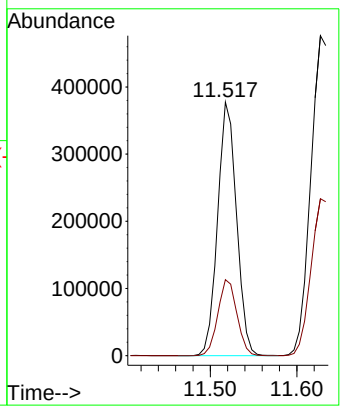




#67
Ethyl Benzene
Concen: 55.992 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 57242

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6



Instrument :
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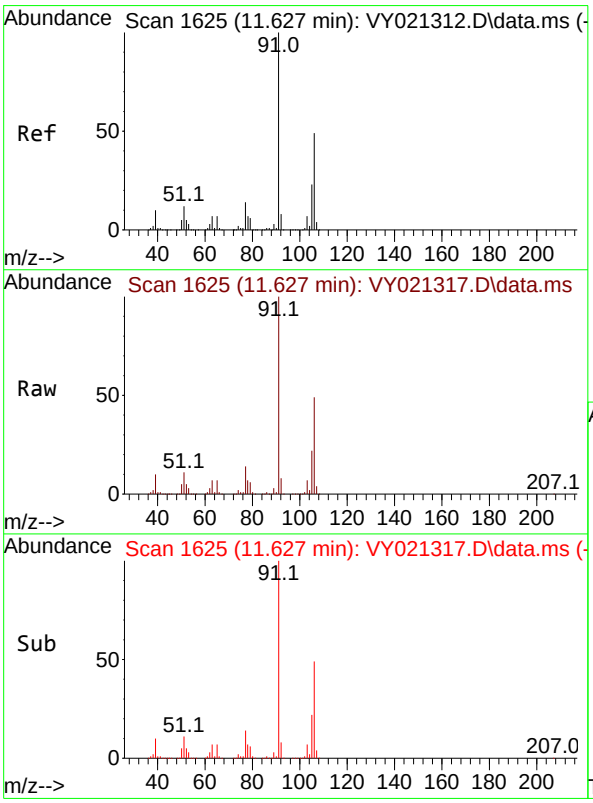
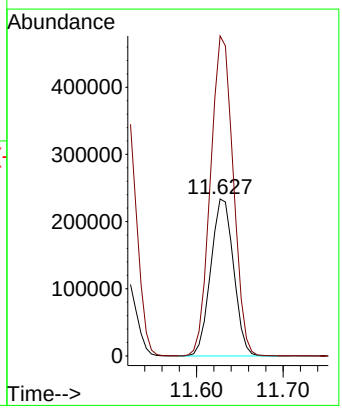
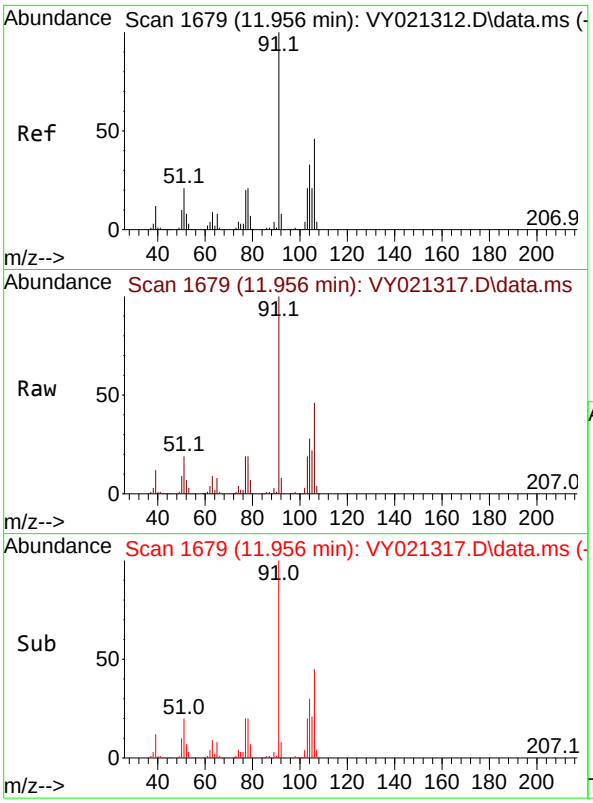


#68
m/p-Xylenes
Concen: 111.274 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 427892

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.9	245.9





#69
o-Xylene
Concen: 56.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 20212

Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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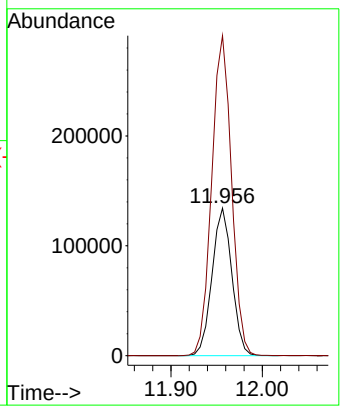
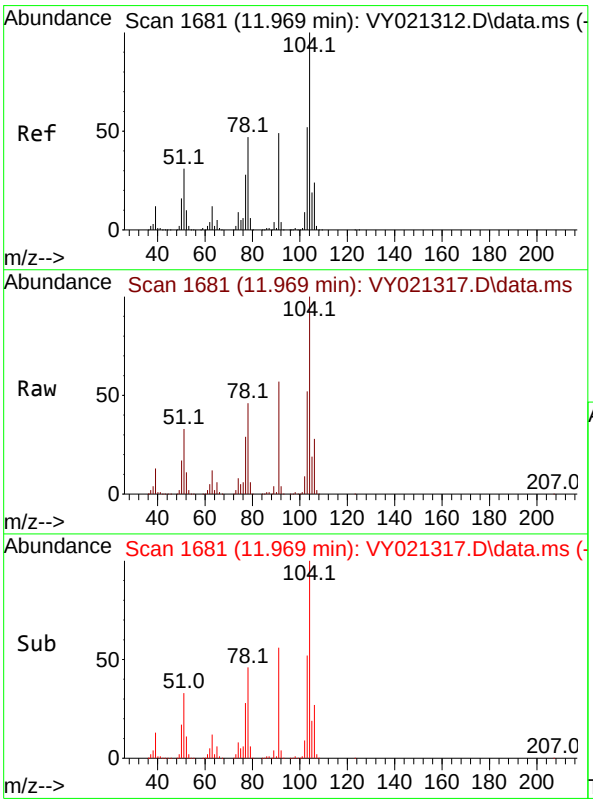
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

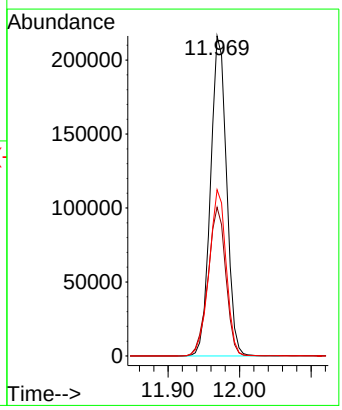


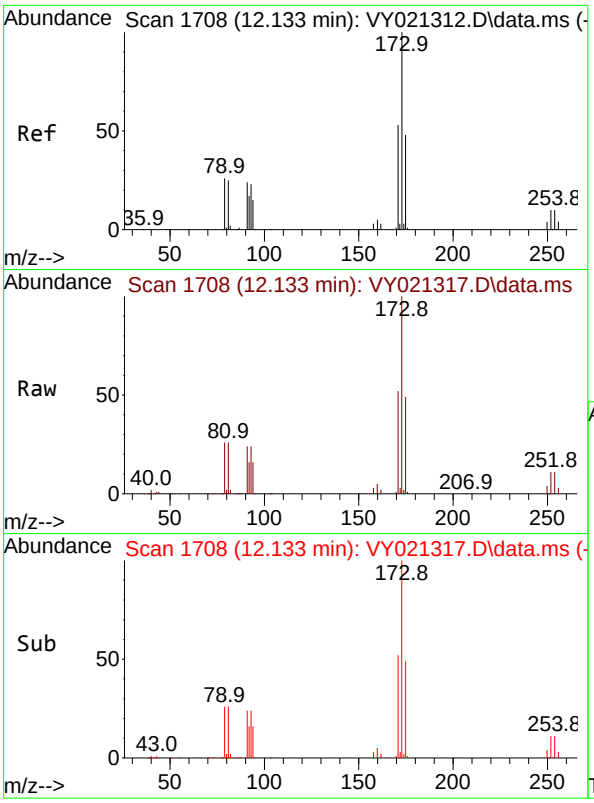


#70
Styrene
Concen: 56.307 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:104 Resp: 337489

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.3	61.9
103	55.3	43.9	65.9

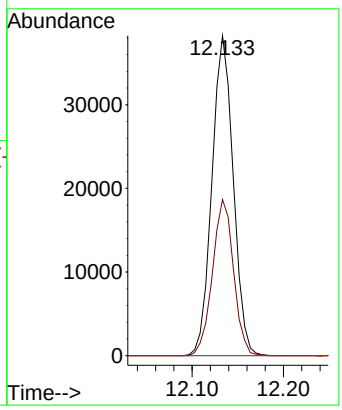




#71
Bromoform
Concen: 53.590 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:173 Resp: 6195

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.1	0.1#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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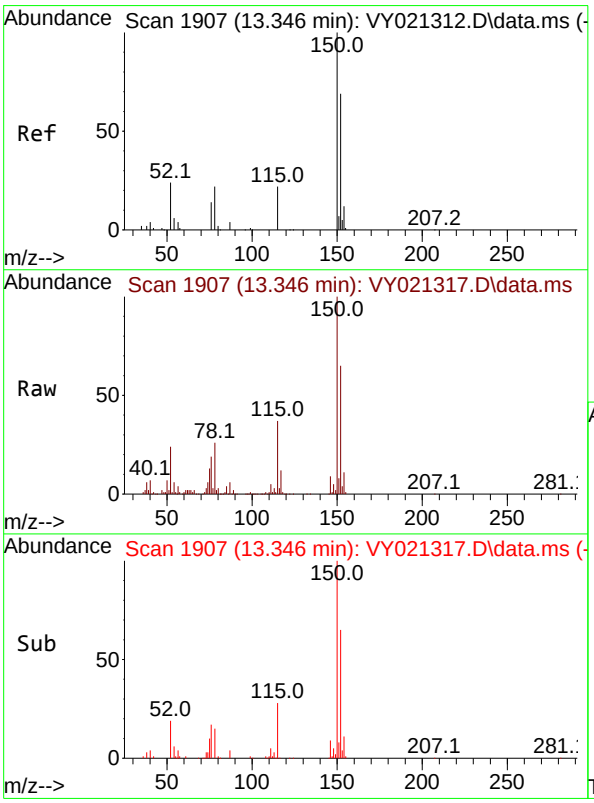
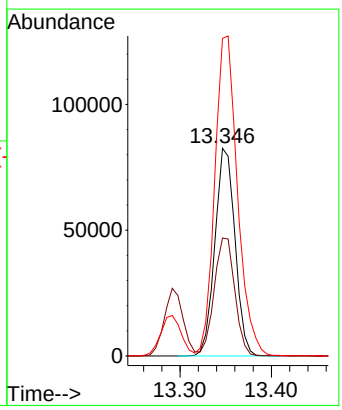
Supervised By :Mahesh Dadoda 02/26/2025

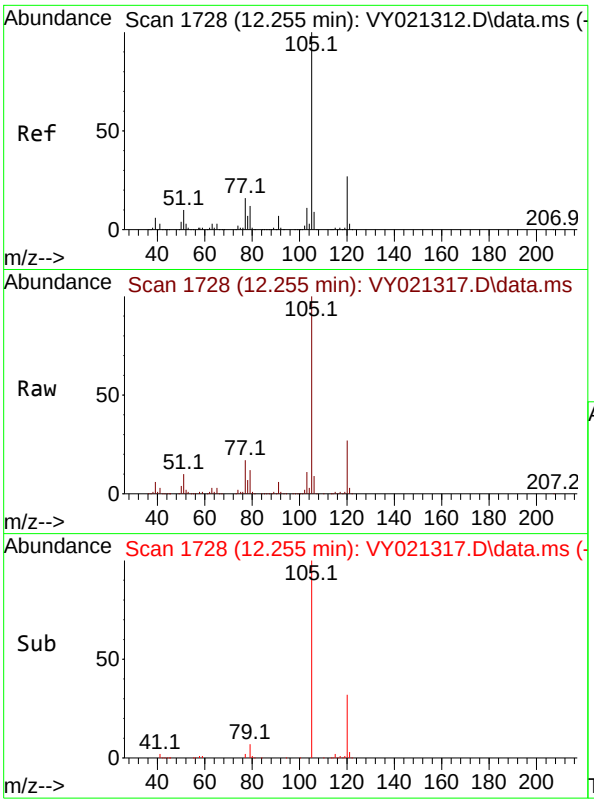


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:152 Resp: 126299

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	88.0
150	174.2	0.0	347.4

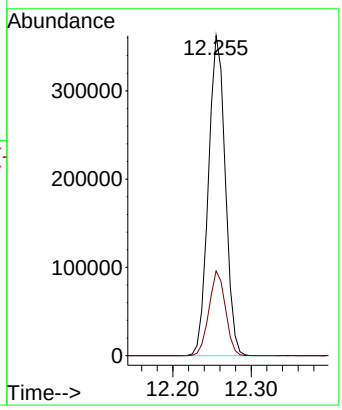




#73
Isopropylbenzene
Concen: 56.974 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 54097

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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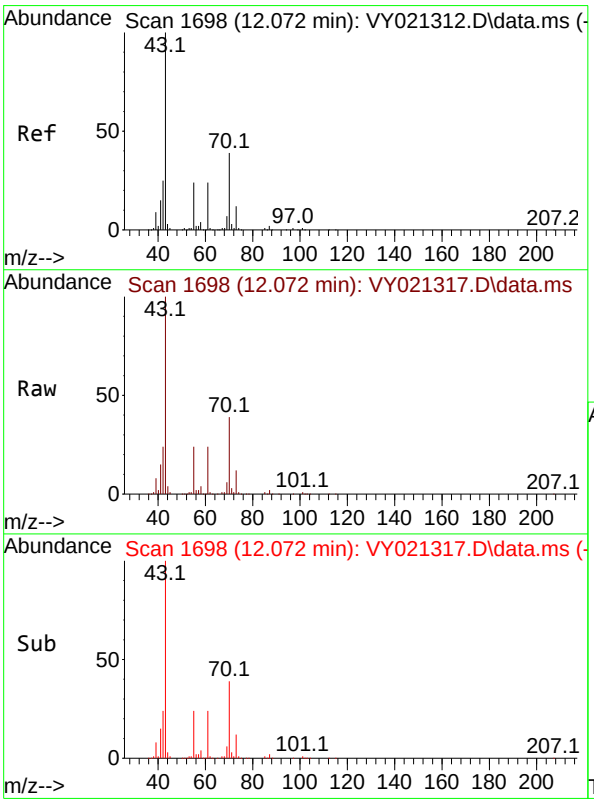
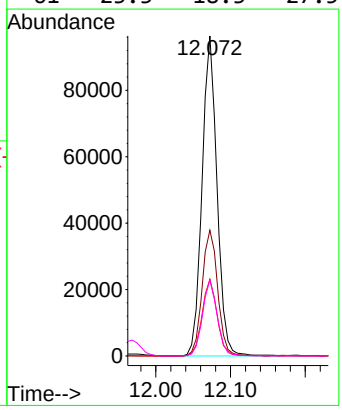
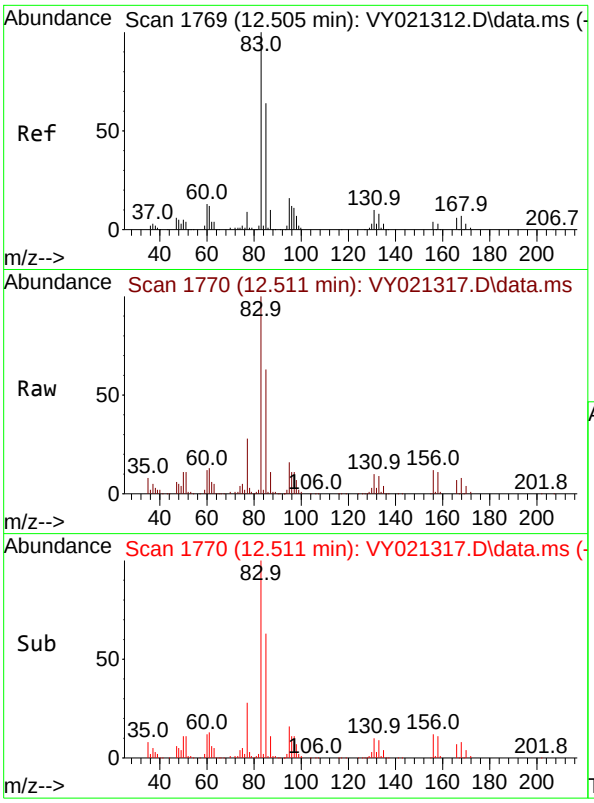


#74
N-amyl acetate
Concen: 55.509 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 133968

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	24.2	19.6	29.4
61	23.3	18.3	27.5

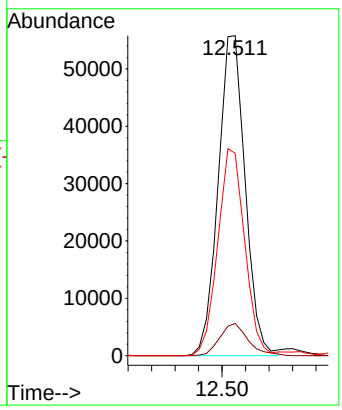




#75
1,1,2,2-Tetrachloroethane
Concen: 53.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 8924

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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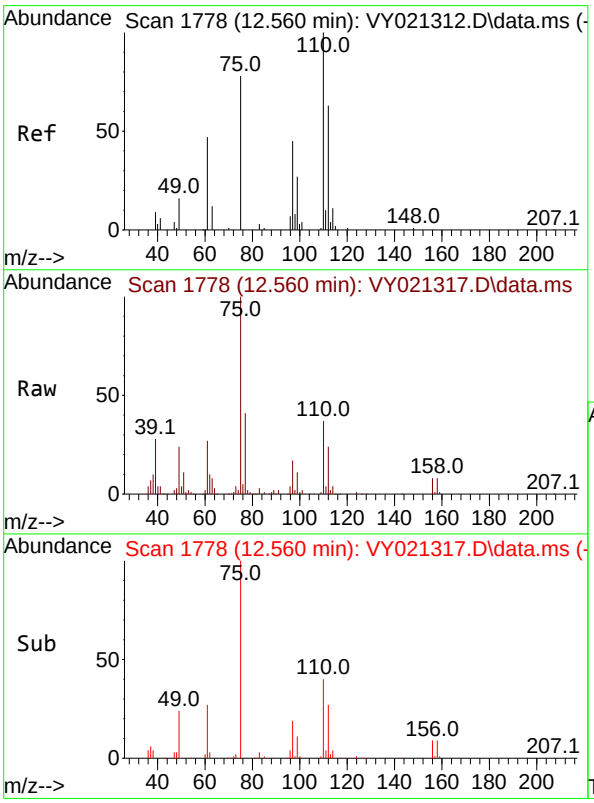
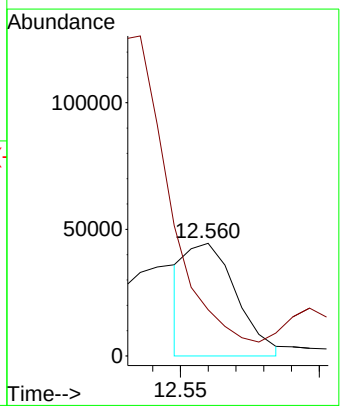
Supervised By :Mahesh Dadoda 02/26/2025

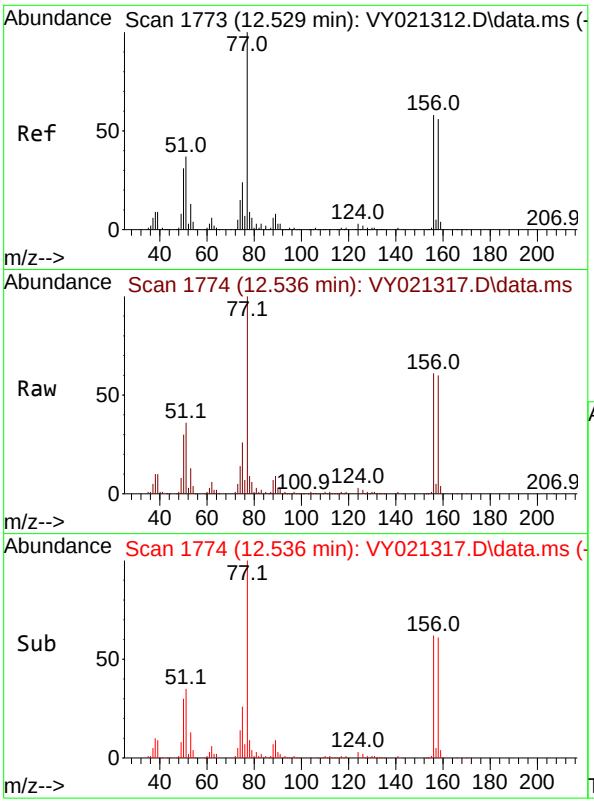


#76
1,2,3-Trichloropropane
Concen: 44.570 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 56345

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

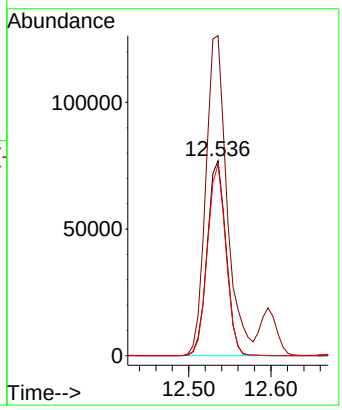




#77
Bromobenzene
Concen: 55.296 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:156 Resp: 12212

Ion	Ratio	Lower	Upper
156	100		
77	185.0	94.0	282.1
158	96.6	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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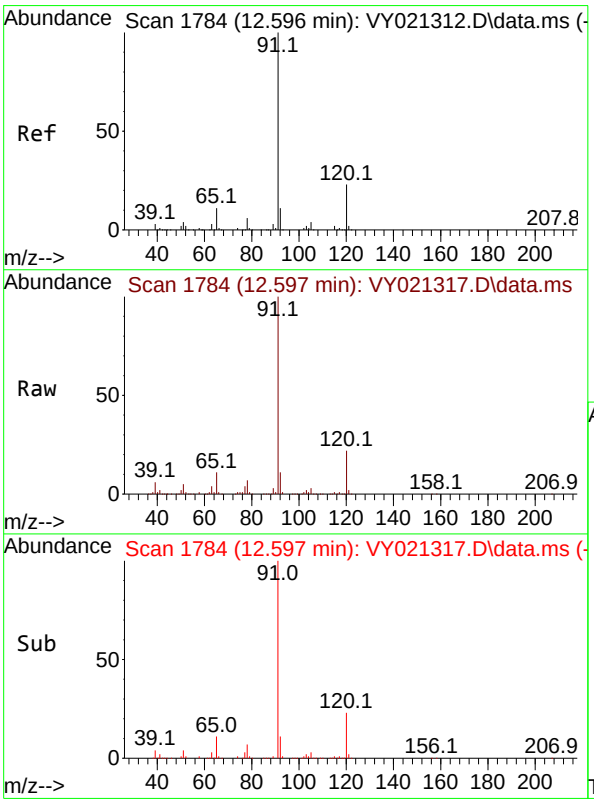
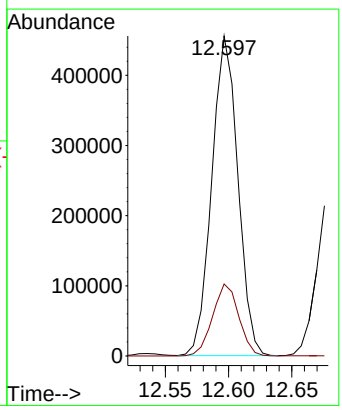
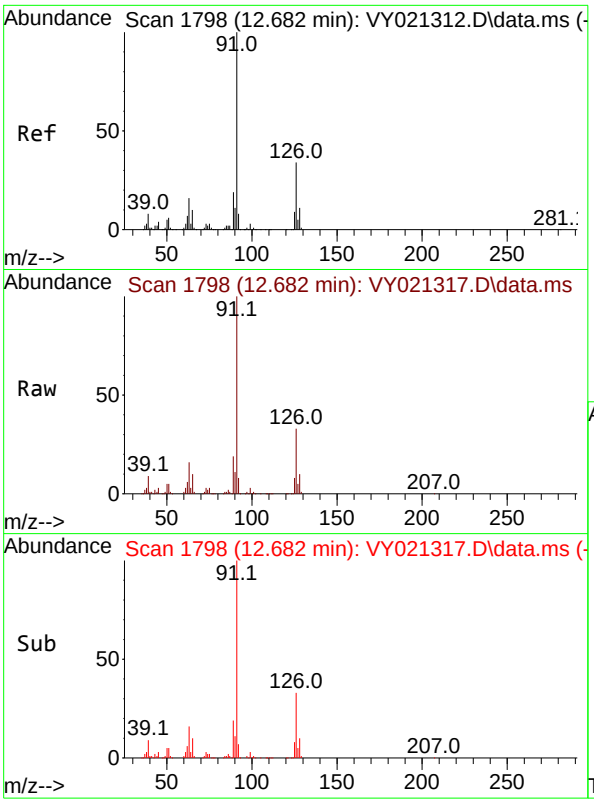


#78
n-propylbenzene
Concen: 56.783 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 654255

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79
2-Chlorotoluene
Concen: 55.813 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 36906

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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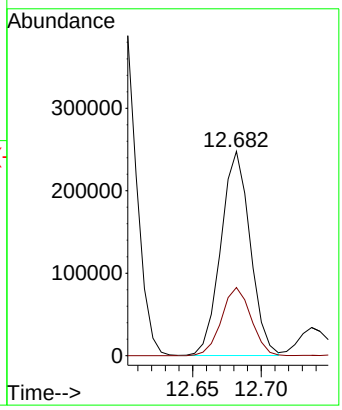
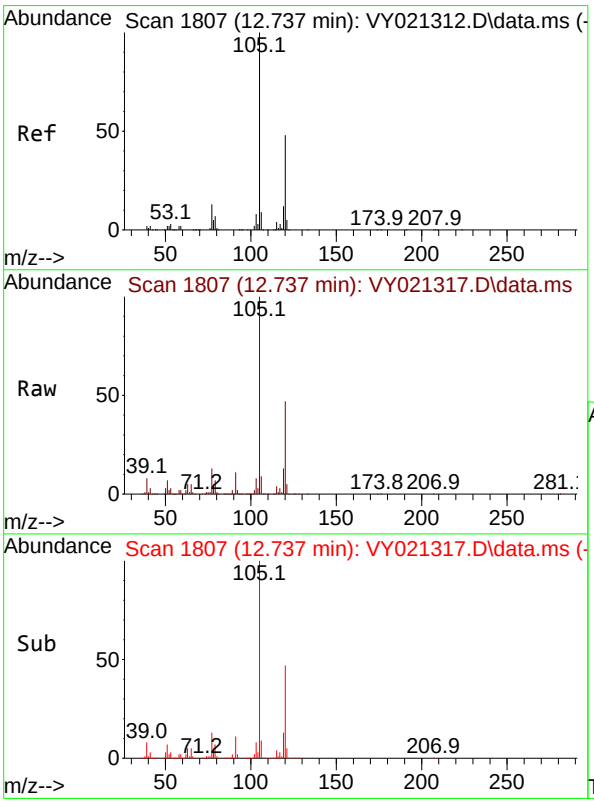
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

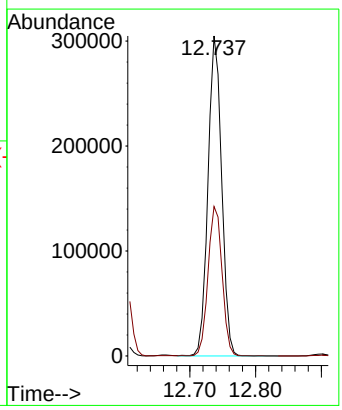


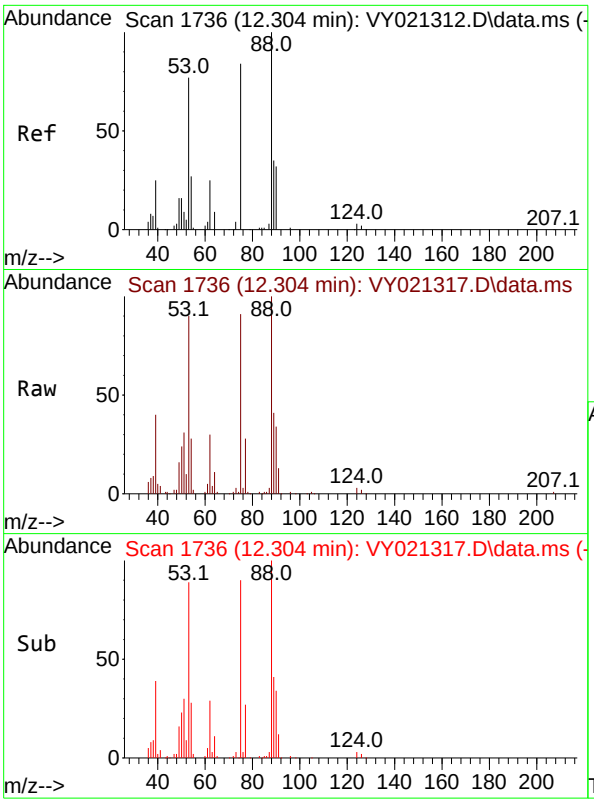


#80
1,3,5-Trimethylbenzene
Concen: 56.549 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 440379

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0

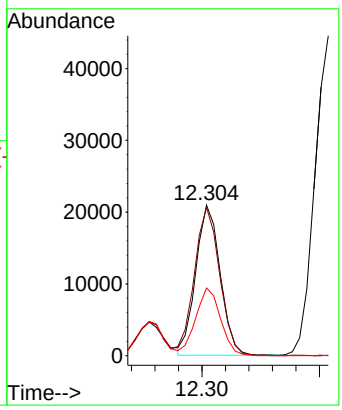




#81
trans-1,4-Dichloro-2-butene
Concen: 53.216 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 3026

Ion	Ratio	Lower	Upper
75	100		
53	103.4	79.1	118.7
89	45.8	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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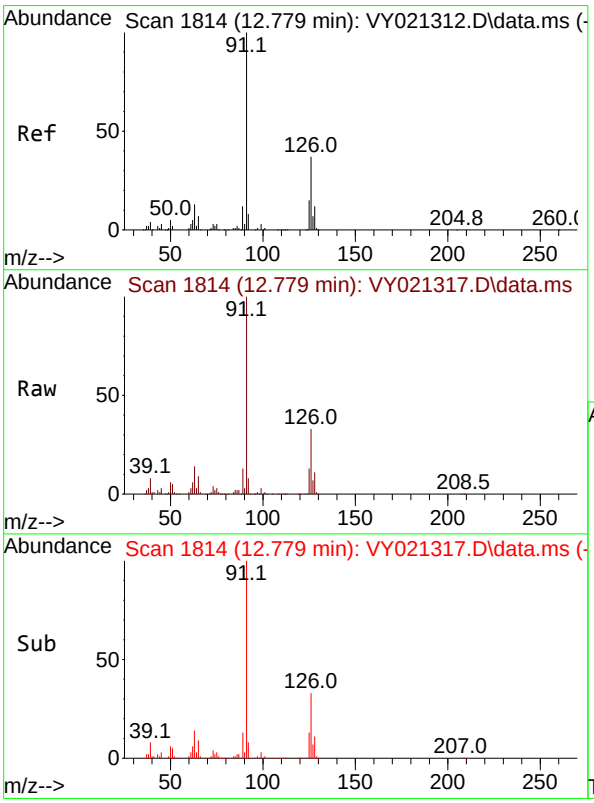
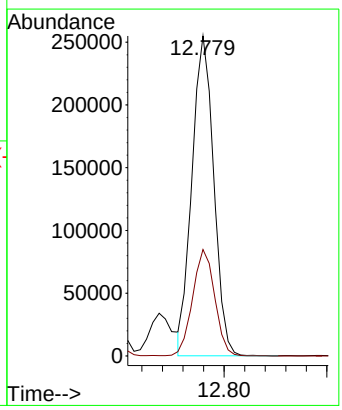
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

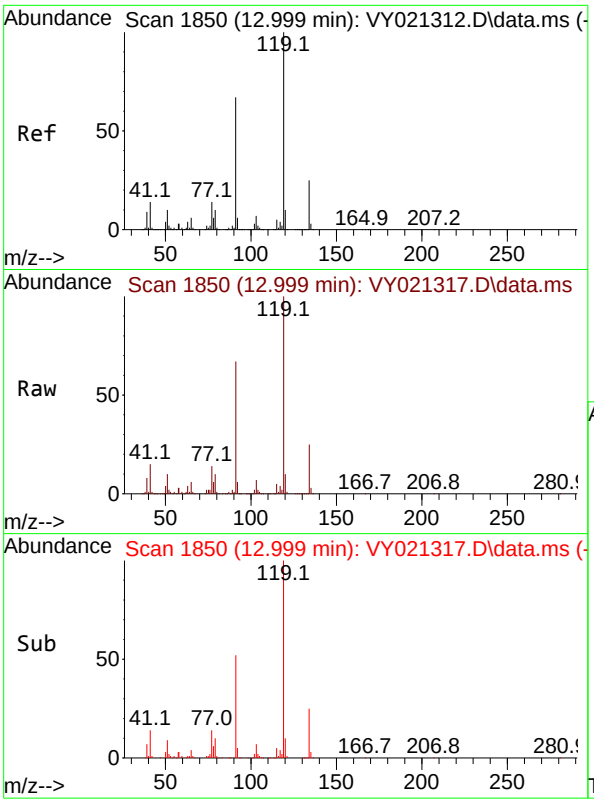


#82
4-Chlorotoluene
Concen: 54.757 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 375340

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4

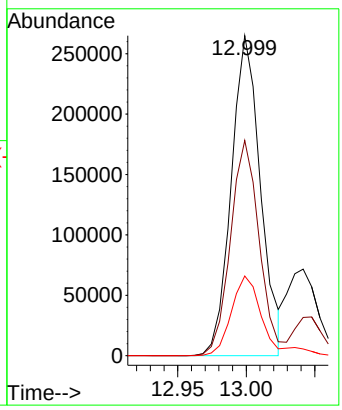




#83
tert-Butylbenzene
Concen: 55.900 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 39322

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.8	13.3	39.9



Instrument :
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ClientSampleId :
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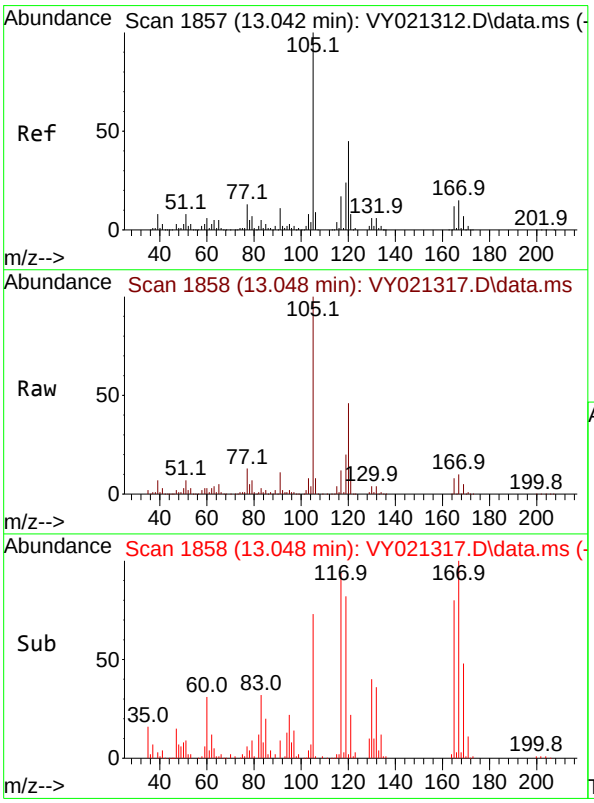
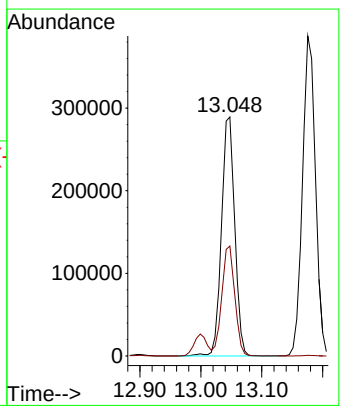
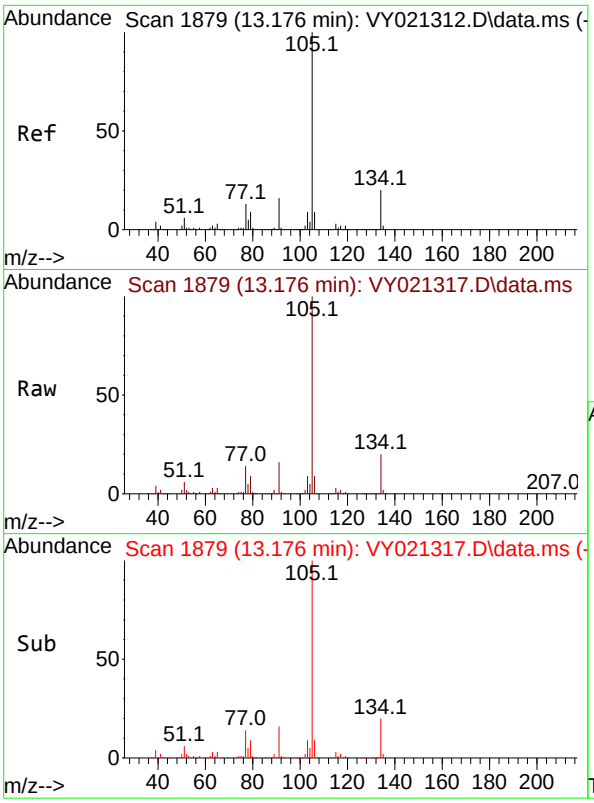


#84
1,2,4-Trimethylbenzene
Concen: 56.621 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 438538

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3

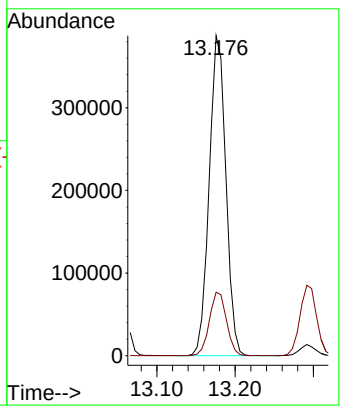




#85
sec-Butylbenzene
Concen: 55.655 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 57187

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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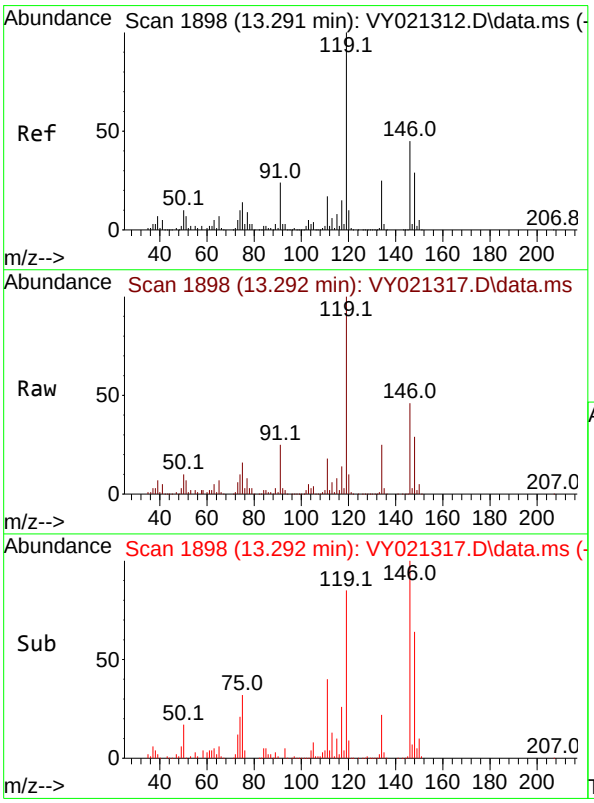
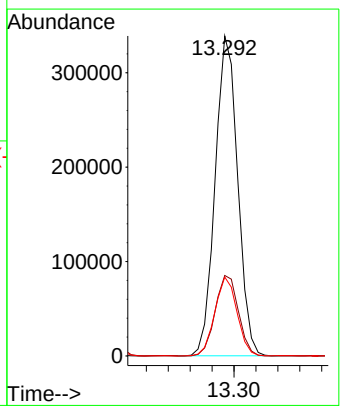
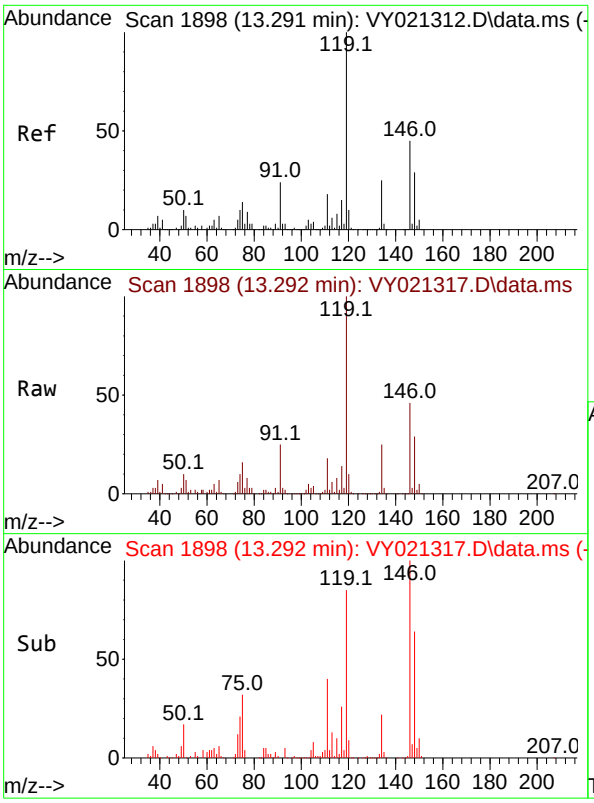


#86
p-Isopropyltoluene
Concen: 56.427 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 484140

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.2	12.0	36.1

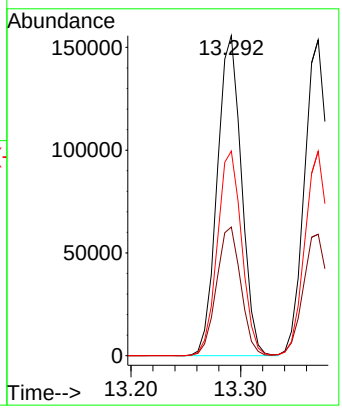




#87
1,3-Dichlorobenzene
Concen: 54.800 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 23940

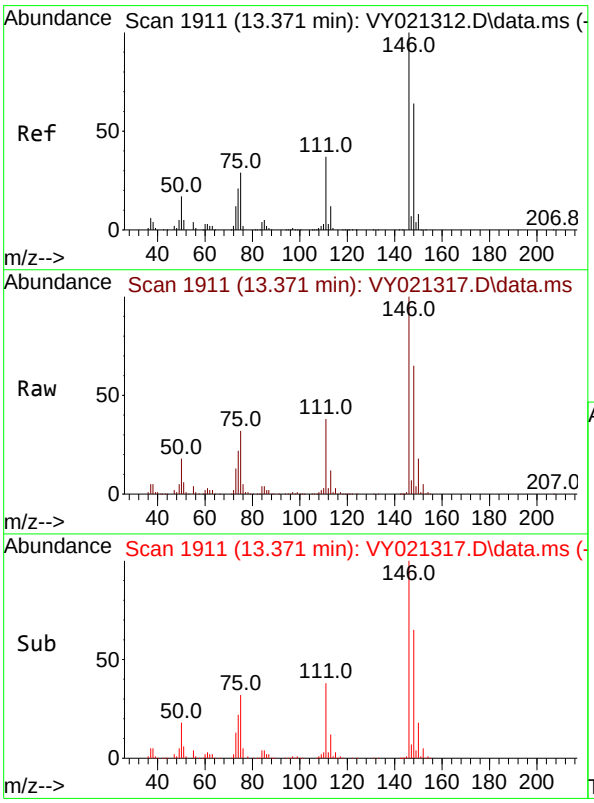
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

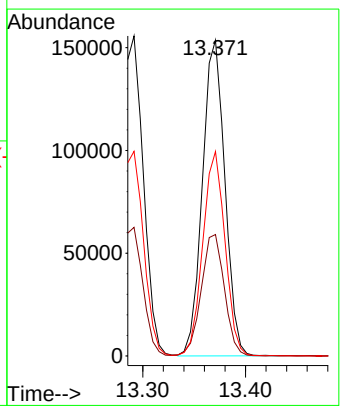
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

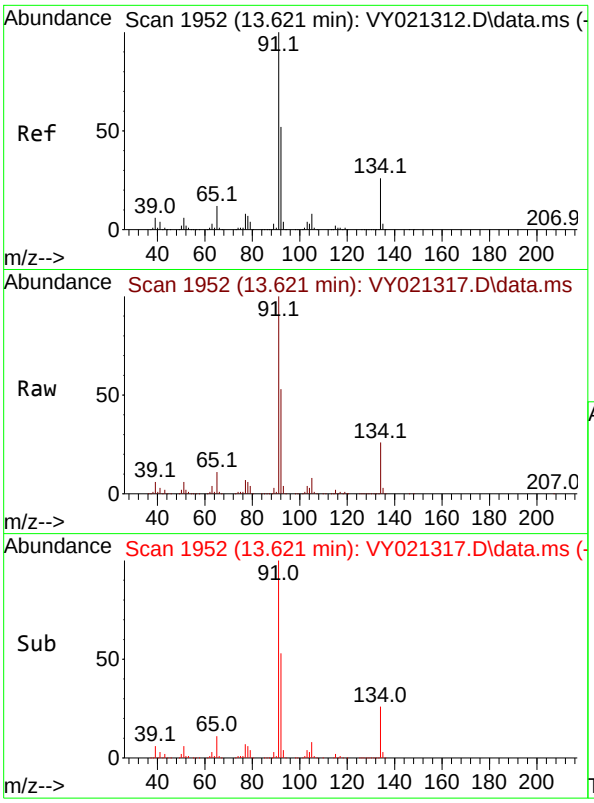


#88
1,4-Dichlorobenzene
Concen: 54.098 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 233477

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.2	32.0	96.2





#89
n-Butylbenzene
Concen: 56.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

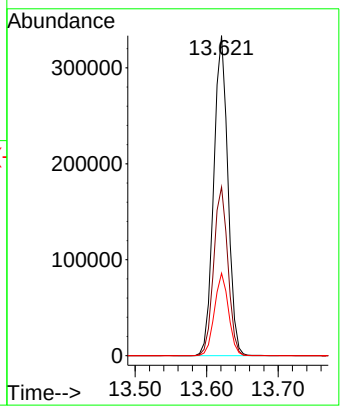
Tgt Ion: 91 Resp: 45906

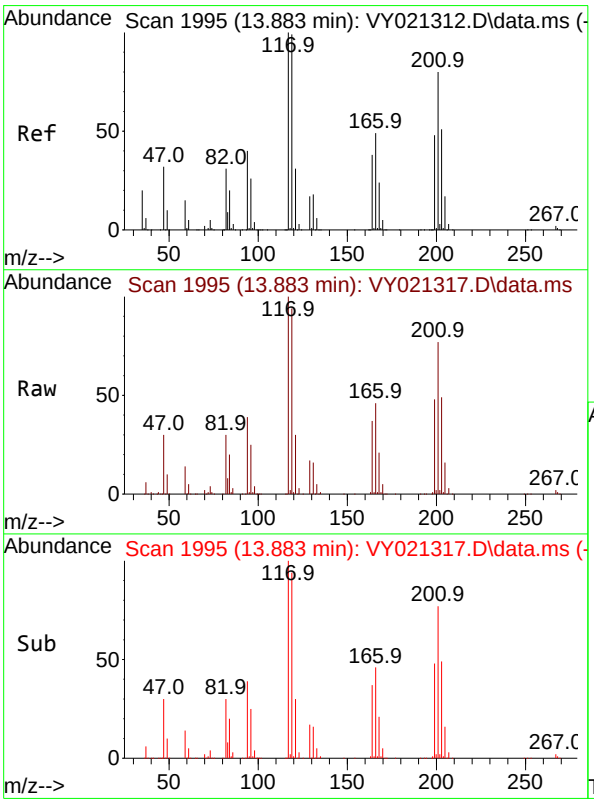
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.7	38.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

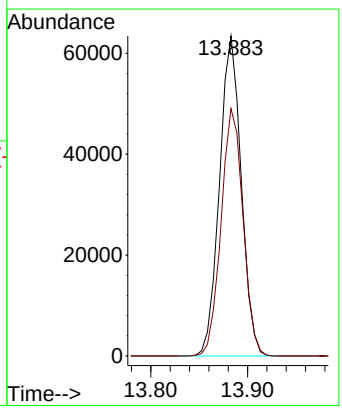


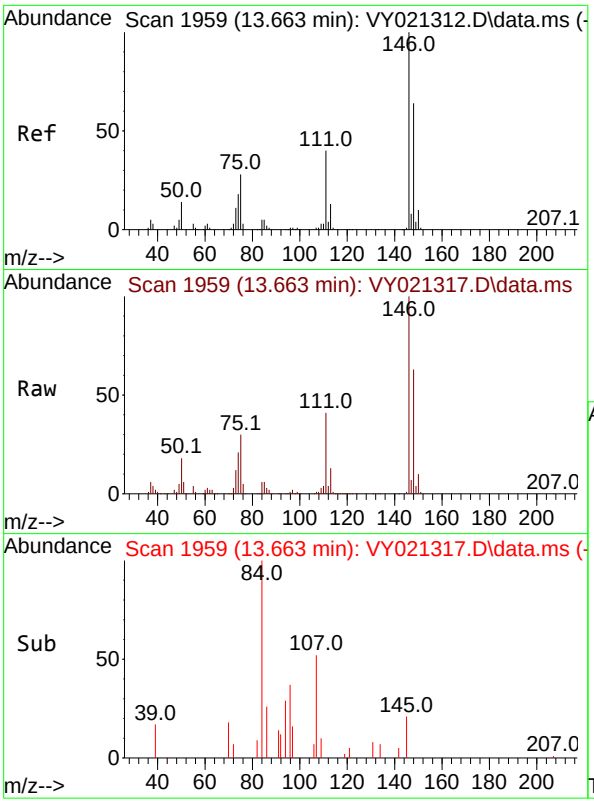


#90
Hexachloroethane
Concen: 55.035 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 98634

Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.4	115.2

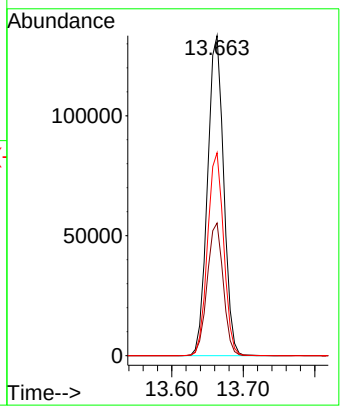




#91
1,2-Dichlorobenzene
Concen: 54.545 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 20877

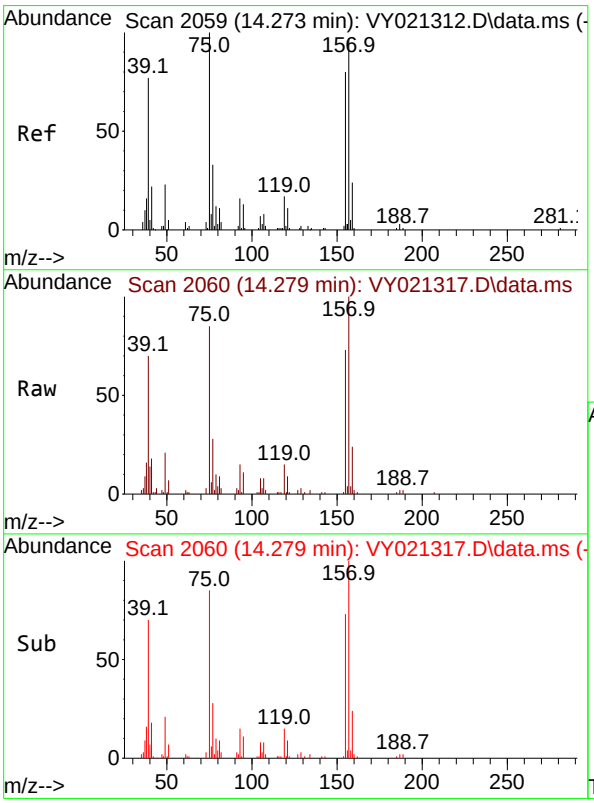
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.4	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

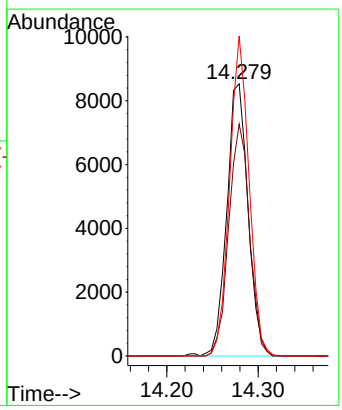
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

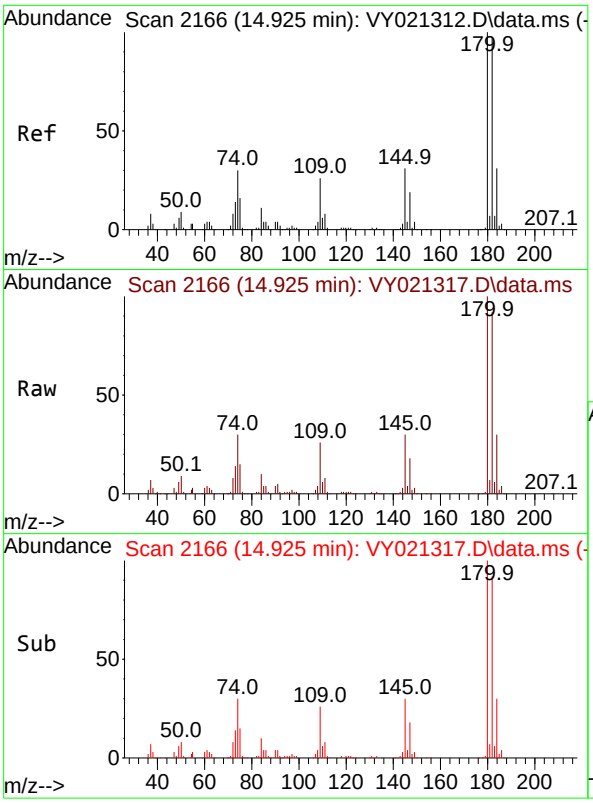


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 13821

Ion	Ratio	Lower	Upper
75	100		
155	83.0	41.9	125.6
157	107.2	52.5	157.6

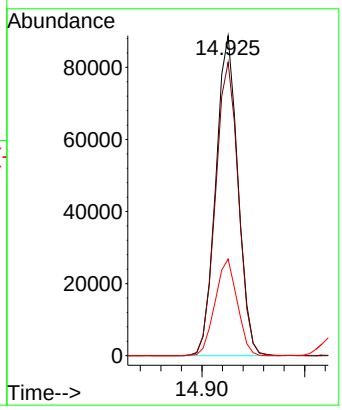




#93
1,2,4-Trichlorobenzene
Concen: 56.703 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 13246

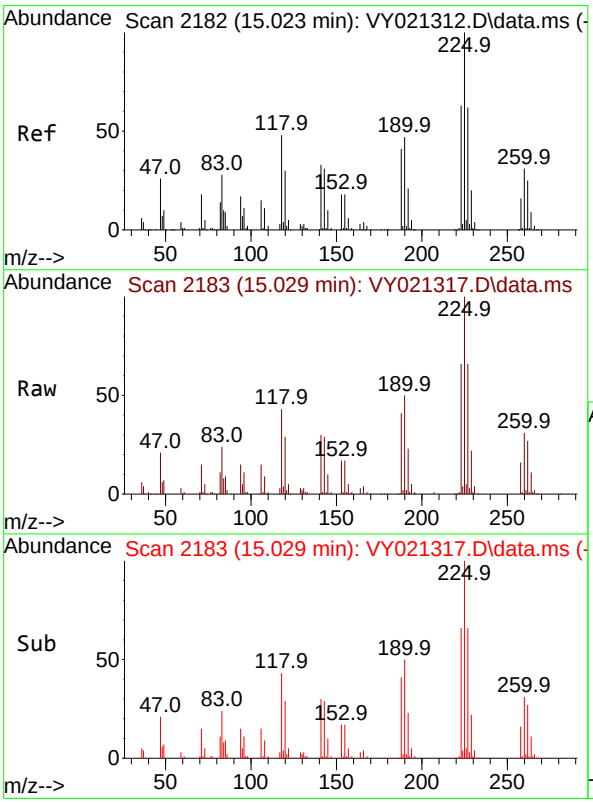
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.3	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

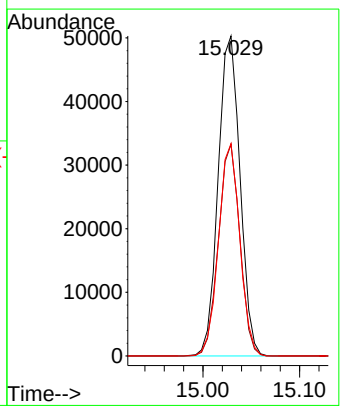
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

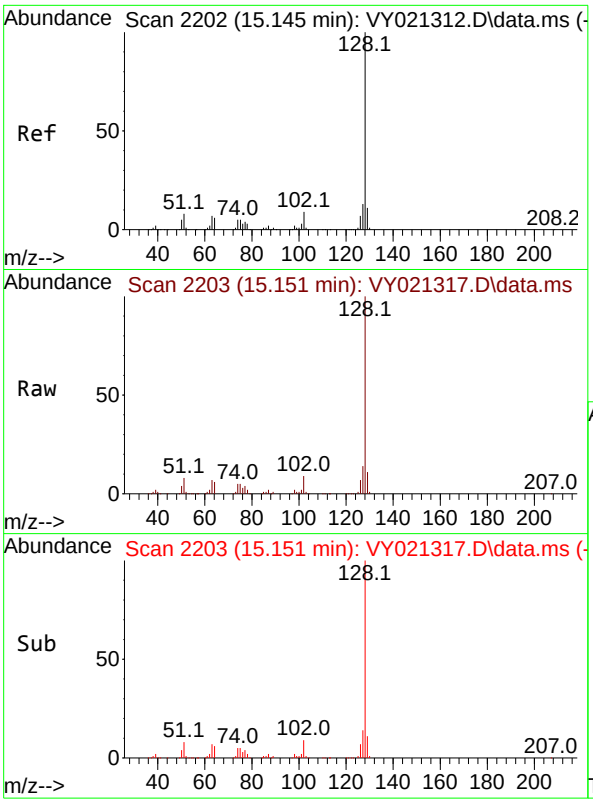


#94
Hexachlorobutadiene
Concen: 53.541 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:225 Resp: 78745

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.4
227	64.6	31.9	95.7

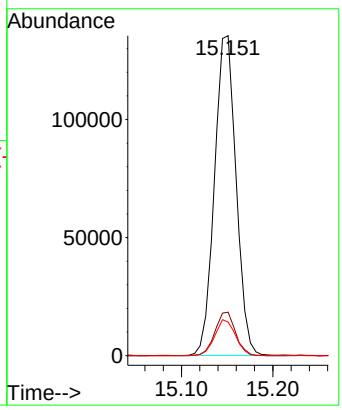




#95
Naphthalene
Concen: 57.589 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:128 Resp: 22283

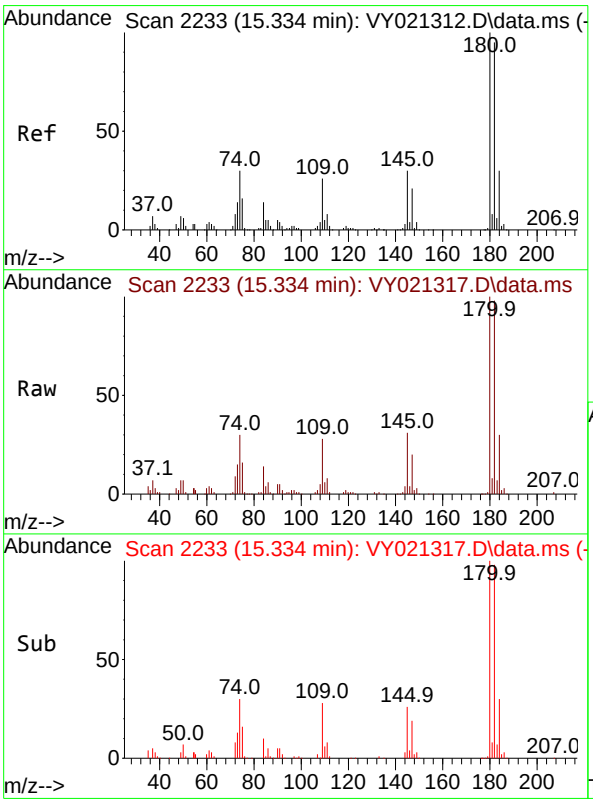
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
APPROVED

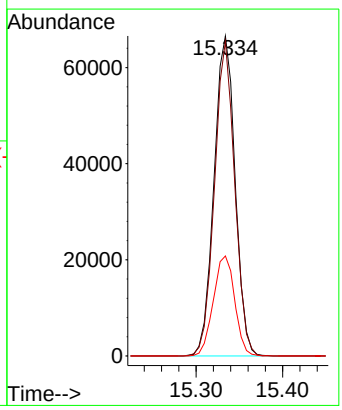
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 56.980 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 112466

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.9
145	31.7	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.474	0.511	-7.8	109	0.00
3	P	Chloromethane	0.612	0.655	-7.0	114	0.00
4	C	Vinyl Chloride	0.601	0.663	-10.3#	111	0.00
5	T	Bromomethane	0.399	0.419	-5.0	114	0.00
6	T	Chloroethane	0.373	0.408	-9.4	110	0.00
7	T	Trichlorofluoromethane	0.908	0.969	-6.7	108	0.00
8	T	Diethyl Ether	0.272	0.299	-9.9	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.569	-8.4	111	0.00
10	T	Methyl Iodide	0.553	0.678	-22.6	112	0.00
11	T	Tert butyl alcohol	0.044	0.039	11.4	101	0.00
12	CM	1,1-Dichloroethene	0.503	0.544	-8.2#	111	0.00
13	T	Acrolein	0.033	0.007	78.8#	108	0.00
14	T	Allyl chloride	0.892	0.988	-10.8	112	0.00
15	T	Acrylonitrile	0.120	0.129	-7.5	106	0.00
16	T	Acetone	0.109	0.099	9.2	81	0.00
17	T	Carbon Disulfide	1.671	1.824	-9.2	110	0.00
18	T	Methyl Acetate	0.266	0.279	-4.9	106	0.00
19	T	Methyl tert-butyl Ether	1.329	1.444	-8.7	107	0.00
20	T	Methylene Chloride	0.588	0.601	-2.2	108	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.610	-10.1	111	0.00
22	T	Diisopropyl ether	1.846	2.052	-11.2	110	0.00
23	T	Vinyl Acetate	1.103	1.214	-10.1	107	0.00
24	P	1,1-Dichloroethane	1.040	1.144	-10.0	111	0.00
25	T	2-Butanone	0.164	0.166	-1.2	95	0.00
26	T	2,2-Dichloropropane	0.944	1.017	-7.7	110	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.712	-12.7	112	0.00
28	T	Bromochloromethane	0.460	0.437	5.0	101	0.00
29	T	Tetrahydrofuran	0.107	0.112	-4.7	102	0.00
30	C	Chloroform	1.054	1.160	-10.1#	111	0.00
31	T	Cyclohexane	1.000	1.044	-4.4	111	0.00
32	T	1,1,1-Trichloroethane	0.960	1.057	-10.1	112	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.538	5.1	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35	S	Dibromofluoromethane	0.328	0.321	2.1	106	0.00
36	T	1,1-Dichloropropene	0.492	0.538	-9.3	112	0.00
37	T	Ethyl Acetate	0.245	0.249	-1.6	104	0.00
38	T	Carbon Tetrachloride	0.554	0.600	-8.3	111	0.00
39	T	Methylcyclohexane	0.623	0.678	-8.8	110	0.00
40	TM	Benzene	1.456	1.589	-9.1	111	0.00
41	T	Methacrylonitrile	0.137	0.135	1.5	99	0.00
42	TM	1,2-Dichloroethane	0.413	0.444	-7.5	110	0.00
43	T	Isopropyl Acetate	0.474	0.497	-4.9	104	0.00
44	TM	Trichloroethene	0.364	0.400	-9.9	112	0.00
45	C	1,2-Dichloropropane	0.350	0.382	-9.1#	110	0.00
46	T	Dibromomethane	0.191	0.209	-9.4	110	0.00
47	T	Bromodichloromethane	0.511	0.556	-8.8	110	0.00
48	T	Methyl methacrylate	0.222	0.244	-9.9	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	107	0.00
50	S	Toluene-d8	1.267	1.234	2.6	106	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.255	-4.9	102	0.00
52	CM	Toluene	0.904	1.007	-11.4#	112	0.00
53	T	t-1,3-Dichloropropene	0.468	0.521	-11.3	108	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.612	-10.9	111	0.00
55	T	1,1,2-Trichloroethane	0.249	0.266	-6.8	107	0.00
56	T	Ethyl methacrylate	0.345	0.384	-11.3	105	0.00
57	T	1,3-Dichloropropane	0.438	0.477	-8.9	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.152	7.9	85	0.00
59	T	2-Hexanone	0.159	0.168	-5.7	99	0.00
60	T	Dibromochloromethane	0.340	0.369	-8.5	108	0.00
61	T	1,2-Dibromoethane	0.236	0.255	-8.1	108	0.00
62	S	4-Bromofluorobenzene	0.426	0.414	2.8	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.378	0.400	-5.8	110	0.00
65	PM	Chlorobenzene	1.122	1.221	-8.8	111	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.429	-9.2	111	0.00
67	C	Ethyl Benzene	1.988	2.226	-12.0#	112	0.00
68	T	m/p-Xylenes	0.748	0.832	-11.2	111	0.00
69	T	o-Xylene	0.701	0.786	-12.1	111	0.00
70	T	Styrene	1.166	1.313	-12.6	110	0.00
71	P	Bromoform	0.225	0.241	-7.1	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.759	4.283	-13.9	112	0.00
74	T	N-amyl acetate	0.955	1.061	-11.1	104	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.707	-6.6	105	0.00
76	T	1,2,3-Trichloropropane	0.500	0.446	10.8	88	0.00
77	T	Bromobenzene	0.874	0.967	-10.6	110	0.00
78	T	n-propylbenzene	4.561	5.180	-13.6	111	0.00
79	T	2-Chlorotoluene	2.618	2.922	-11.6	112	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.487	-13.1	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.240	-6.7	102	0.00
82	T	4-Chlorotoluene	2.714	2.972	-9.5	110	0.00
83	T	tert-Butylbenzene	2.785	3.113	-11.8	112	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.472	-13.2	111	0.00
85	T	sec-Butylbenzene	4.068	4.528	-11.3	110	0.00
86	T	p-Isopropyltoluene	3.397	3.833	-12.8	111	0.00
87	T	1,3-Dichlorobenzene	1.730	1.896	-9.6	110	0.00
88	T	1,4-Dichlorobenzene	1.709	1.849	-8.2	110	0.00
89	T	n-Butylbenzene	3.196	3.635	-13.7	110	0.00
90	T	Hexachloroethane	0.710	0.781	-10.0	112	0.00
91	T	1,2-Dichlorobenzene	1.515	1.653	-9.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.109	-3.8	100	0.00
93	T	1,2,4-Trichlorobenzene	0.925	1.049	-13.4	112	0.00
94	T	Hexachlorobutadiene	0.582	0.623	-7.0	109	0.00
95	T	Naphthalene	1.532	1.764	-15.1	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.781	0.890	-14.0	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	53.871	-7.7	109	0.00
3	P	Chloromethane	50.000	53.523	-7.0	114	0.00
4	C	Vinyl Chloride	50.000	55.184	-10.4#	111	0.00
5	T	Bromomethane	50.000	52.483	-5.0	114	0.00
6	T	Chloroethane	50.000	54.804	-9.6	110	0.00
7	T	Trichlorofluoromethane	50.000	53.384	-6.8	108	0.00
8	T	Diethyl Ether	50.000	54.849	-9.7	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.188	-8.4	111	0.00
10	T	Methyl Iodide	50.000	61.361	-22.7	112	0.00
11	T	Tert butyl alcohol	250.000	221.762	11.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	54.104	-8.2#	111	0.00
13	T	Acrolein	250.000	51.554	79.4#	108	0.00
14	T	Allyl chloride	50.000	55.361	-10.7	112	0.00
15	T	Acrylonitrile	250.000	267.274	-6.9	106	0.00
16	T	Acetone	250.000	227.197	9.1	81	0.00
17	T	Carbon Disulfide	50.000	54.581	-9.2	110	0.00
18	T	Methyl Acetate	50.000	52.372	-4.7	106	0.00
19	T	Methyl tert-butyl Ether	50.000	54.311	-8.6	107	0.00
20	T	Methylene Chloride	50.000	51.062	-2.1	108	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.044	-10.1	111	0.00
22	T	Diisopropyl ether	50.000	55.595	-11.2	110	0.00
23	T	Vinyl Acetate	250.000	275.197	-10.1	107	0.00
24	P	1,1-Dichloroethane	50.000	55.004	-10.0	111	0.00
25	T	2-Butanone	250.000	253.246	-1.3	95	0.00
26	T	2,2-Dichloropropane	50.000	53.893	-7.8	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.305	-12.6	112	0.00
28	T	Bromochloromethane	50.000	47.452	5.1	101	0.00
29	T	Tetrahydrofuran	250.000	260.172	-4.1	102	0.00
30	C	Chloroform	50.000	55.023	-10.0#	111	0.00
31	T	Cyclohexane	50.000	52.180	-4.4	111	0.00
32	T	1,1,1-Trichloroethane	50.000	55.084	-10.2	112	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.453	5.1	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35	S	Dibromofluoromethane	50.000	49.037	1.9	106	0.00
36	T	1,1-Dichloropropene	50.000	54.593	-9.2	112	0.00
37	T	Ethyl Acetate	50.000	50.864	-1.7	104	0.00
38	T	Carbon Tetrachloride	50.000	54.157	-8.3	111	0.00
39	T	Methylcyclohexane	50.000	54.397	-8.8	110	0.00
40	TM	Benzene	50.000	54.583	-9.2	111	0.00
41	T	Methacrylonitrile	50.000	49.244	1.5	99	0.00
42	TM	1,2-Dichloroethane	50.000	53.746	-7.5	110	0.00
43	T	Isopropyl Acetate	50.000	52.380	-4.8	104	0.00
44	TM	Trichloroethene	50.000	54.930	-9.9	112	0.00
45	C	1,2-Dichloropropane	50.000	54.464	-8.9#	110	0.00
46	T	Dibromomethane	50.000	54.539	-9.1	110	0.00
47	T	Bromodichloromethane	50.000	54.489	-9.0	110	0.00
48	T	Methyl methacrylate	50.000	55.076	-10.2	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1053.076	-5.3	107	0.00
50	S	Toluene-d8	50.000	48.694	2.6	106	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.628	-5.1	102	0.00
52	CM	Toluene	50.000	55.674	-11.3#	112	0.00
53	T	t-1,3-Dichloropropene	50.000	55.699	-11.4	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.451	-10.9	111	0.00
55	T	1,1,2-Trichloroethane	50.000	53.263	-6.5	107	0.00
56	T	Ethyl methacrylate	50.000	55.679	-11.4	105	0.00
57	T	1,3-Dichloropropane	50.000	54.438	-8.9	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	228.990	8.4	85	0.00
59	T	2-Hexanone	250.000	264.133	-5.7	99	0.00
60	T	Dibromochloromethane	50.000	54.329	-8.7	108	0.00
61	T	1,2-Dibromoethane	50.000	53.942	-7.9	108	0.00
62	S	4-Bromofluorobenzene	50.000	48.549	2.9	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	52.940	-5.9	110	0.00
65	PM	Chlorobenzene	50.000	54.410	-8.8	111	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.517	-9.0	111	0.00
67	C	Ethyl Benzene	50.000	55.992	-12.0#	112	0.00
68	T	m/p-Xylenes	100.000	111.274	-11.3	111	0.00
69	T	o-Xylene	50.000	56.108	-12.2	111	0.00
70	T	Styrene	50.000	56.307	-12.6	110	0.00
71	P	Bromoform	50.000	53.590	-7.2	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	56.974	-13.9	112	0.00
74	T	N-amyl acetate	50.000	55.509	-11.0	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.254	-6.5	105	0.00
76	T	1,2,3-Trichloropropane	50.000	44.570	10.9	88	0.00
77	T	Bromobenzene	50.000	55.296	-10.6	110	0.00
78	T	n-propylbenzene	50.000	56.783	-13.6	111	0.00
79	T	2-Chlorotoluene	50.000	55.813	-11.6	112	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.549	-13.1	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.216	-6.4	102	0.00
82	T	4-Chlorotoluene	50.000	54.757	-9.5	110	0.00
83	T	tert-Butylbenzene	50.000	55.900	-11.8	112	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.621	-13.2	111	0.00
85	T	sec-Butylbenzene	50.000	55.655	-11.3	110	0.00
86	T	p-Isopropyltoluene	50.000	56.427	-12.9	111	0.00
87	T	1,3-Dichlorobenzene	50.000	54.800	-9.6	110	0.00
88	T	1,4-Dichlorobenzene	50.000	54.098	-8.2	110	0.00
89	T	n-Butylbenzene	50.000	56.856	-13.7	110	0.00
90	T	Hexachloroethane	50.000	55.035	-10.1	112	0.00
91	T	1,2-Dichlorobenzene	50.000	54.545	-9.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.137	-4.3	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.703	-13.4	112	0.00
94	T	Hexachlorobutadiene	50.000	53.541	-7.1	109	0.00
95	T	Naphthalene	50.000	57.589	-15.2	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	56.980	-14.0	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_N Calibration Date/Time: 02/19/2025 10:51

Lab File ID: VN085782.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.682	0.646	0.1	-5.28	20
Vinyl Chloride	0.723	0.697		-3.6	20
Bromomethane	0.462	0.446		-3.46	20
Chloroethane	0.479	0.437		-8.77	20
Trichlorofluoromethane	1.046	1.027		-1.82	20
1,1,2-Trichlorotrifluoroethane	0.605	0.611		0.99	20
1,1-Dichloroethene	0.548	0.559		2.01	20
Acetone	0.205	0.226		10.24	20
Carbon Disulfide	1.625	1.544		-4.99	20
Methyl tert-butyl Ether	1.629	1.743		7	20
Methylene Chloride	0.660	0.628		-4.85	20
trans-1,2-Dichloroethene	0.590	0.594		0.68	20
1,1-Dichloroethane	1.106	1.094	0.1	-1.09	20
2-Butanone	0.302	0.308		1.99	20
Carbon Tetrachloride	0.550	0.568		3.27	20
cis-1,2-Dichloroethene	0.685	0.703		2.63	20
Chloroform	1.156	1.135		-1.82	20
1,1,1-Trichloroethane	1.028	1.025		-0.29	20
Methylcyclohexane	0.455	0.542		19.12	20
Benzene	1.484	1.556		4.85	20
1,2-Dichloroethane	0.483	0.496		2.69	20
Trichloroethene	0.364	0.377		3.57	20
1,2-Dichloropropane	0.358	0.379		5.87	20
Bromodichloromethane	0.541	0.561		3.7	20
4-Methyl-2-Pentanone	0.367	0.383		4.36	20
Toluene	0.870	0.975		12.07	20
t-1,3-Dichloropropene	0.500	0.556		11.2	20
cis-1,3-Dichloropropene	0.548	0.612		11.68	20
1,1,2-Trichloroethane	0.346	0.356		2.89	20
2-Hexanone	0.253	0.281		11.07	20
Dibromochloromethane	0.403	0.435		7.94	20
Tetrachloroethene	0.387	0.415		7.24	20
Chlorobenzene	1.145	1.191	0.3	4.02	20
Ethyl Benzene	1.794	2.061		14.88	20
m/p-Xylenes	0.682	0.811		18.92	20
o-Xylene	0.648	0.758		16.98	20
Styrene	1.059	1.287		21.53	20
Bromoform	0.306	0.323	0.1	5.56	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_N Calibration Date/Time: 02/19/2025 10:51

Lab File ID: VN085782.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.425	3.921		14.48	20
1,1,2,2-Tetrachloroethane	1.179	1.058	0.3	-10.26	20
1,3-Dichlorobenzene	1.734	1.791		3.29	20
1,4-Dichlorobenzene	1.777	1.777		0	20
1,2-Dichlorobenzene	1.667	1.704		2.22	20
1,2-Dichloroethane-d4	0.648	0.646		-0.31	20
Dibromofluoromethane	0.327	0.346		5.81	20
Toluene-d8	1.190	1.302		9.41	20
4-Bromofluorobenzene	0.392	0.446		13.78	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	338951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	542050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	475442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	234508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	218995	49.835	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.680%			
35) Dibromofluoromethane	8.159	113	187631	52.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	10.559	98	705762	54.690	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.380%			
62) 4-Bromofluorobenzene	12.841	95	241495	56.798	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	233633	50.675	ug/l	99
3) Chloromethane	2.360	50	219128	47.365	ug/l	98
4) Vinyl Chloride	2.518	62	236409	48.263	ug/l	100
5) Bromomethane	2.959	94	151185	48.269	ug/l	91
6) Chloroethane	3.124	64	148043	45.628	ug/l	99
7) Trichlorofluoromethane	3.501	101	347969	49.065	ug/l	99
8) Diethyl Ether	3.959	74	115104	50.161	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	207085	50.515	ug/l	99
10) Methyl Iodide	4.589	142	255381	50.538	ug/l	99
11) Tert butyl alcohol	5.500	59	121703	225.177	ug/l	100
12) 1,1-Dichloroethene	4.342	96	189384	50.950	ug/l	98
13) Acrolein	4.171	56	164497	205.238	ug/l	97
14) Allyl chloride	5.018	41	247476	50.710	ug/l	98
15) Acrylonitrile	5.706	53	418409	238.131	ug/l	99
16) Acetone	4.412	43	382246	274.906	ug/l	99
17) Carbon Disulfide	4.712	76	523425	47.514	ug/l	99
18) Methyl Acetate	5.012	43	214186	44.785	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	590636	53.473	ug/l	95
20) Methylene Chloride	5.271	84	212867	47.605	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	201430	50.327	ug/l	95
22) Diisopropyl ether	6.665	45	590936	53.588	ug/l	98
23) Vinyl Acetate	6.595	43	1973940	261.433	ug/l	99
24) 1,1-Dichloroethane	6.559	63	370904	49.478	ug/l	99
25) 2-Butanone	7.471	43	522422	255.385	ug/l	97
26) 2,2-Dichloropropane	7.483	77	336386	50.464	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	238225	51.333	ug/l	100
28) Bromochloromethane	7.806	49	179247	58.177	ug/l	98
29) Tetrahydrofuran	7.830	42	329843	249.701	ug/l	100
30) Chloroform	7.959	83	384871	49.129	ug/l	99
31) Cyclohexane	8.253	56	302945	48.266	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	347439	49.863	ug/l	99
36) 1,1-Dichloropropene	8.365	75	270378	53.862	ug/l	99
37) Ethyl Acetate	7.553	43	204009	49.384	ug/l	100
38) Carbon Tetrachloride	8.353	117	308070	51.650	ug/l	98
39) Methylcyclohexane	9.594	83	293698	59.556	ug/l	99
40) Benzene	8.600	78	843620	52.435	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	115379	52.247	ug/l		96
42) 1,2-Dichloroethane	8.665	62	269061	51.342	ug/l		100
43) Isopropyl Acetate	8.683	43	358728	49.475	ug/l		98
44) Trichloroethene	9.347	130	204423	51.748	ug/l		100
45) 1,2-Dichloropropane	9.612	63	205345	52.875	ug/l		98
46) Dibromomethane	9.700	93	139963	51.094	ug/l		100
47) Bromodichloromethane	9.883	83	303915	51.856	ug/l		98
48) Methyl methacrylate	9.671	41	168275	54.849	ug/l		100
49) 1,4-Dioxane	9.688	88	62004	1062.788	ug/l		96
51) 4-Methyl-2-Pentanone	10.435	43	1038482	260.736	ug/l		100
52) Toluene	10.624	92	528579	56.046	ug/l		100
53) t-1,3-Dichloropropene	10.830	75	301562	55.646	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	331906	55.852	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	192948	51.456	ug/l		98
56) Ethyl methacrylate	10.865	69	283390	52.271	ug/l		96
57) 1,3-Dichloropropane	11.159	76	326423	52.148	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	578323	268.736	ug/l		99
59) 2-Hexanone	11.188	43	762537	278.298	ug/l		99
60) Dibromochloromethane	11.353	129	235675	53.975	ug/l		99
61) 1,2-Dibromoethane	11.465	107	186097	52.526	ug/l		99
64) Tetrachloroethene	11.100	164	197369	53.585	ug/l		95
65) Chlorobenzene	11.888	112	566074	51.973	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.953	131	203016	51.858	ug/l		99
67) Ethyl Benzene	11.959	91	979695	57.422	ug/l		99
68) m/p-Xylenes	12.065	106	771390	119.029	ug/l		99
69) o-Xylene	12.394	106	360455	58.531	ug/l		100
70) Styrene	12.406	104	611865	53.048	ug/l		98
71) Bromoform	12.571	173	153417	52.740	ug/l	#	98
73) Isopropylbenzene	12.688	105	919415	57.227	ug/l		100
74) N-amyl acetate	12.488	43	297533	52.516	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.929	83	248121	44.880	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	220059m	42.244	ug/l		
77) Bromobenzene	12.976	156	223481	51.487	ug/l		98
78) n-propylbenzene	13.029	91	1081269	58.766	ug/l		100
79) 2-Chlorotoluene	13.118	91	664931	54.088	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	780468	59.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	93397	52.313	ug/l		95
82) 4-Chlorotoluene	13.218	91	675694	55.443	ug/l		100
83) tert-Butylbenzene	13.435	119	658173	59.805	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	778821	60.149	ug/l		100
85) sec-Butylbenzene	13.612	105	922480	59.326	ug/l		100
86) p-Isopropyltoluene	13.723	119	777520	54.162	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	419991	51.645	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	416682	49.992	ug/l		99
89) n-Butylbenzene	14.053	91	658902	59.684	ug/l		99
90) Hexachloroethane	14.329	117	145854	49.529	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	399598	51.099	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	43877	43.220	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	196605	52.761	ug/l		99
94) Hexachlorobutadiene	15.494	225	105741	46.692	ug/l		99
95) Naphthalene	15.635	128	532789	52.080	ug/l		99
96) 1,2,3-Trichlorobenzene	15.829	180	187463	50.111	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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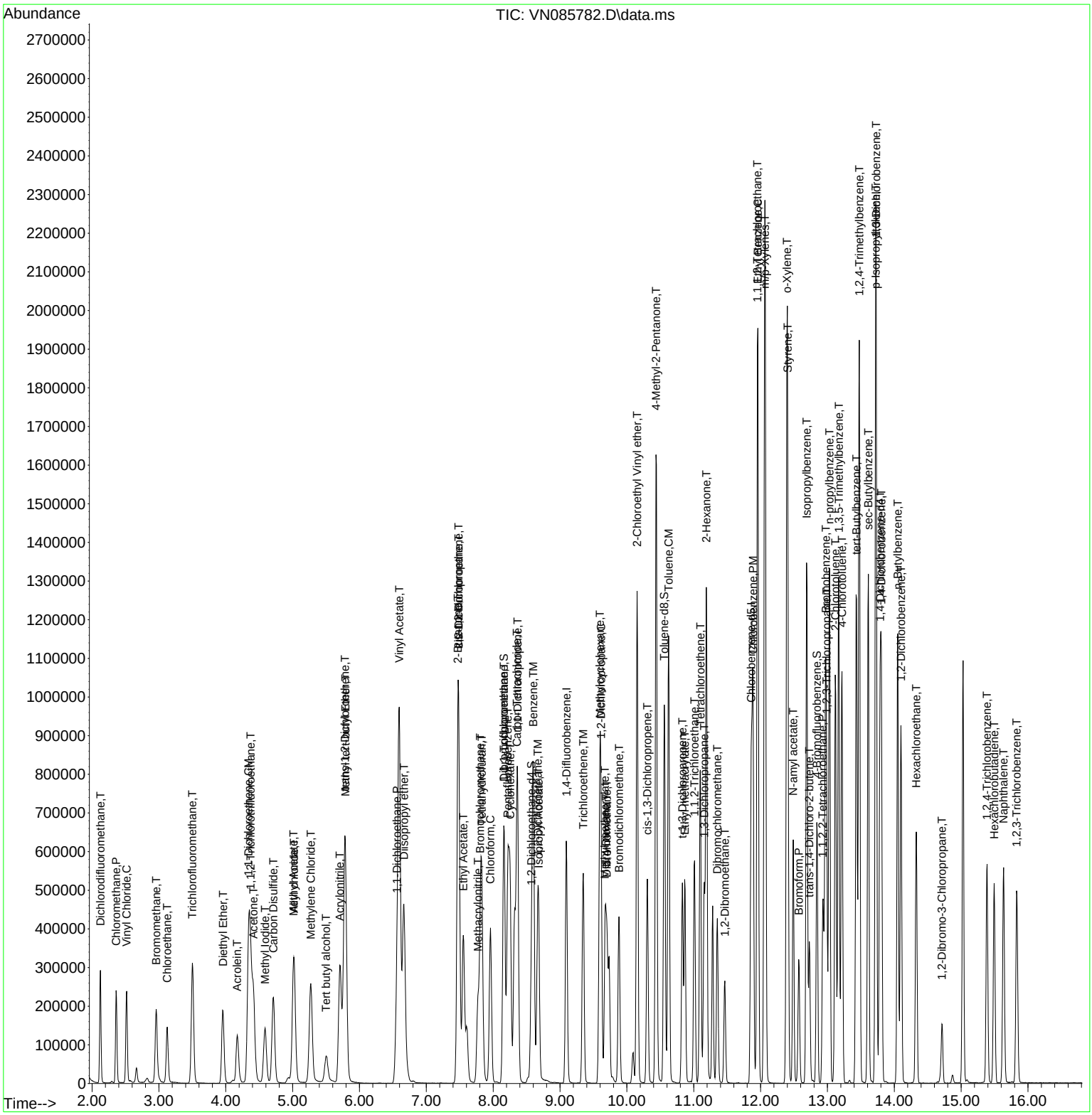

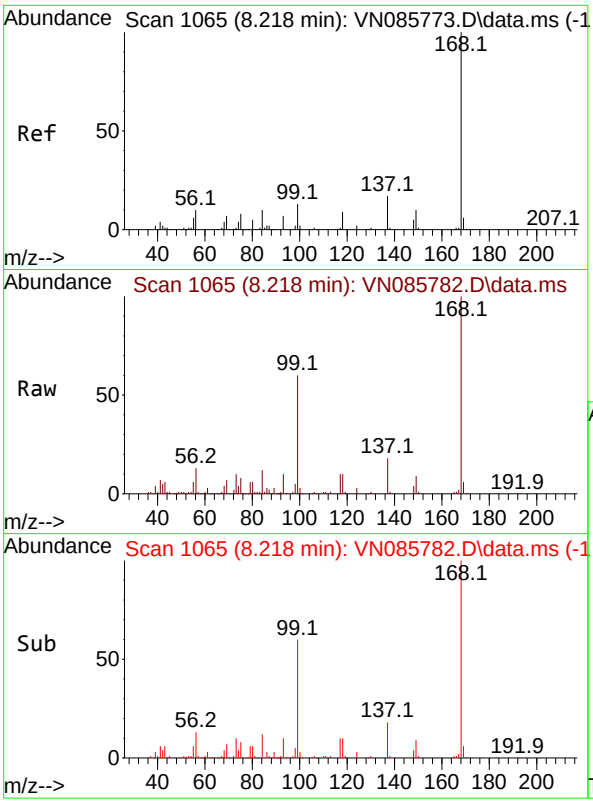

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:168 Resp: 33895

Ion	Ratio	Lower	Upper
168	100		
99	59.1	47.9	71.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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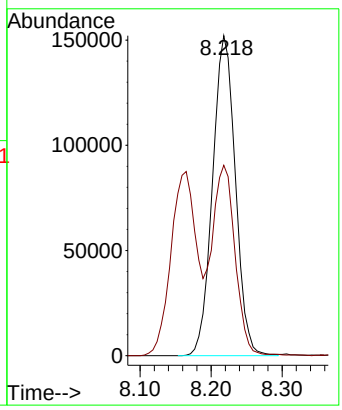
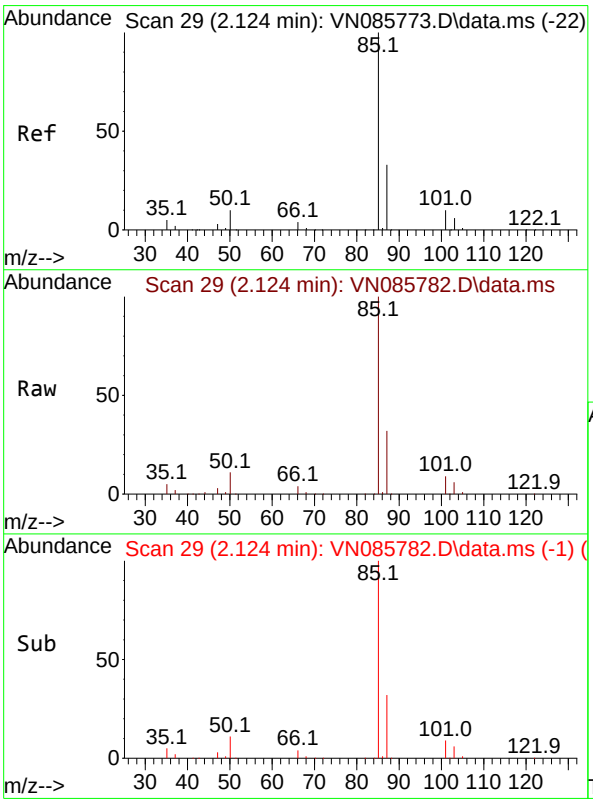
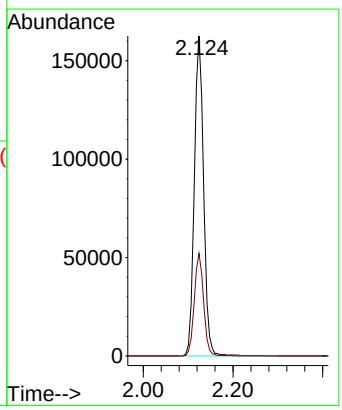


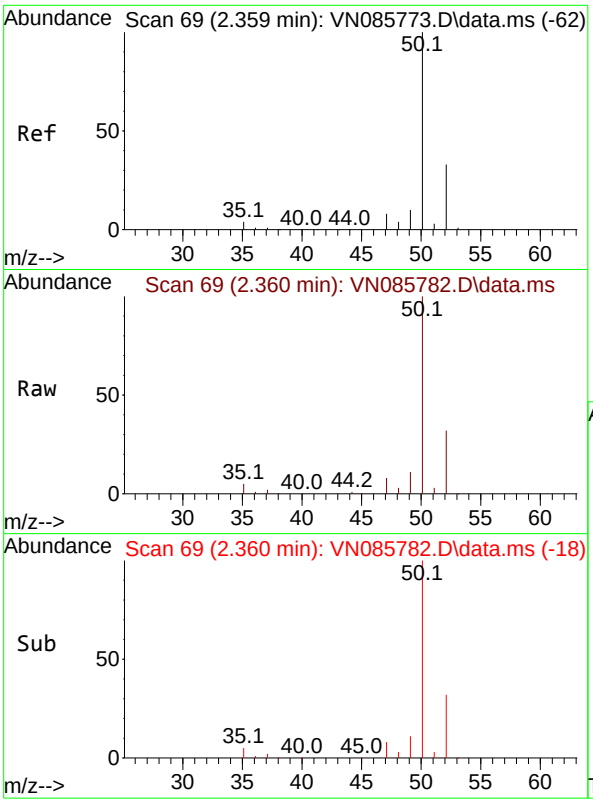


#2
Dichlorodifluoromethane
Concen: 50.675 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 85 Resp: 233633

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.4	49.2

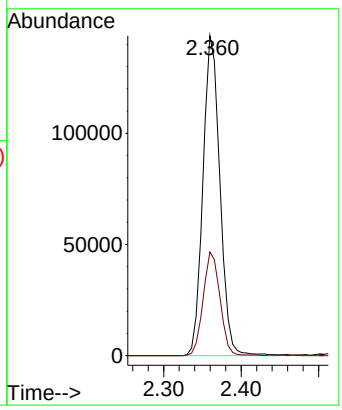




#3
Chloromethane
Concen: 47.365 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 50 Resp: 21912

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.7	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 02/20/2025
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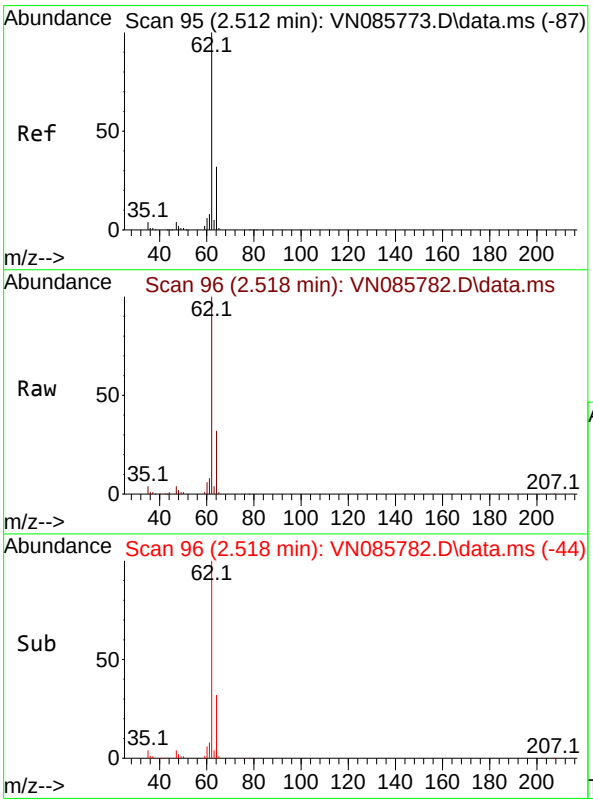
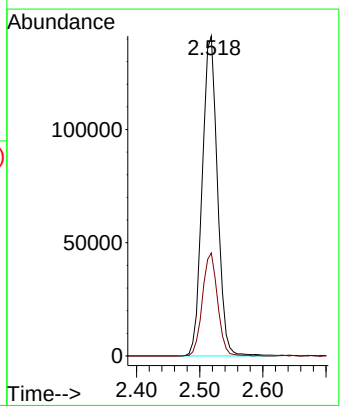
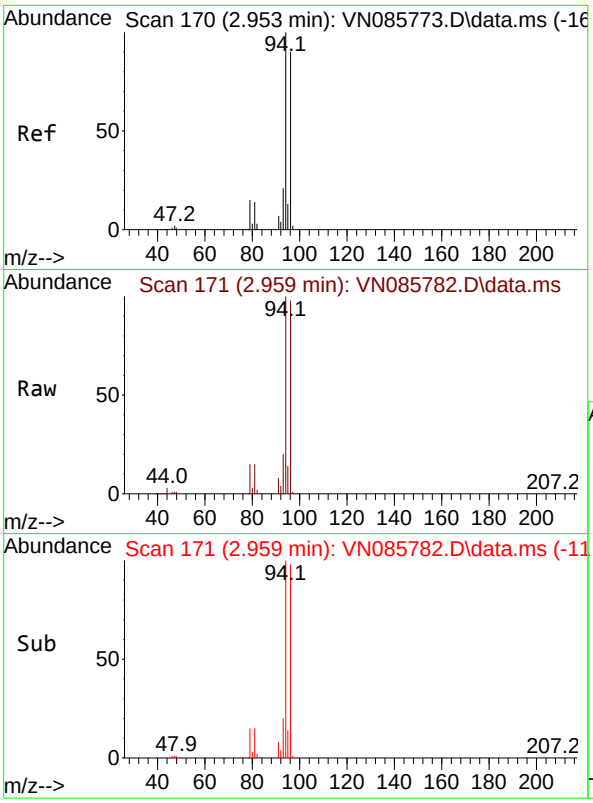


#4
Vinyl Chloride
Concen: 48.263 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 62 Resp: 236409

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.9	38.9

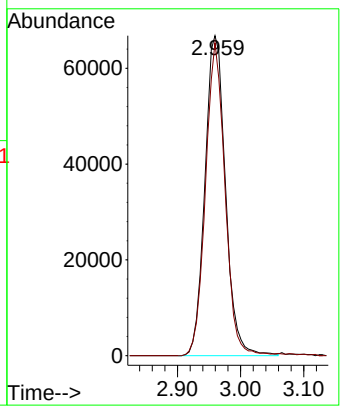




#5
Bromomethane
Concen: 48.269 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 94 Resp: 15118

Ion	Ratio	Lower	Upper
94	100		
96	97.8	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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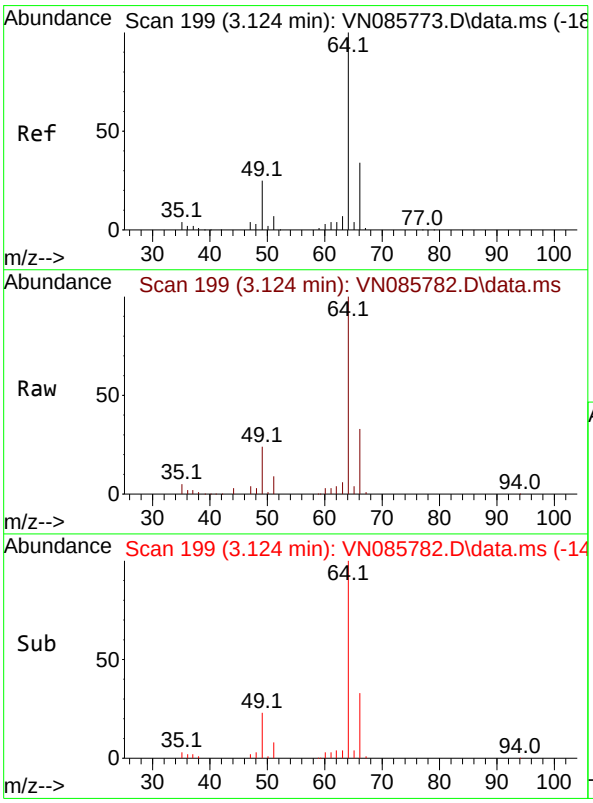
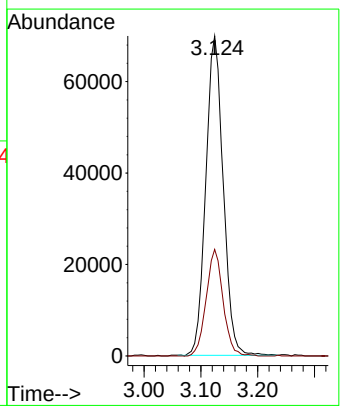
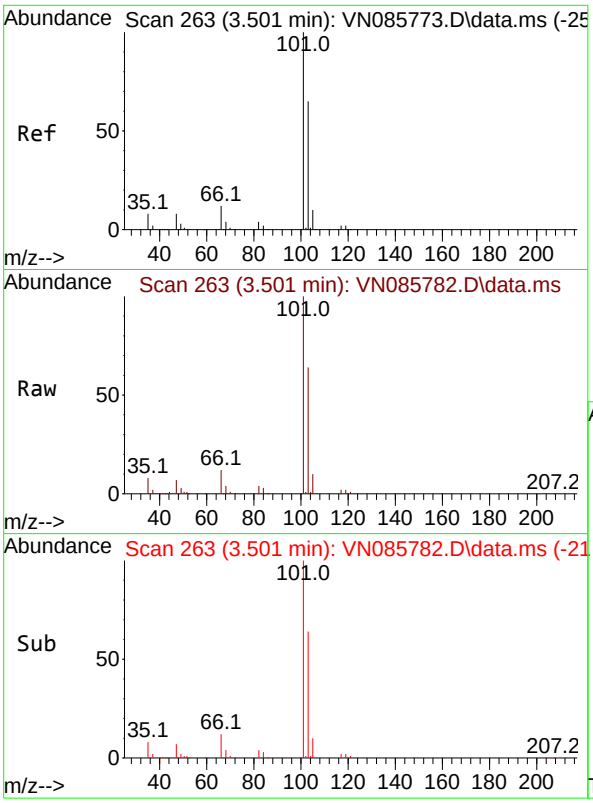


#6
Chloroethane
Concen: 45.628 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 64 Resp: 148043

Ion	Ratio	Lower	Upper
64	100		
66	33.4	27.0	40.6

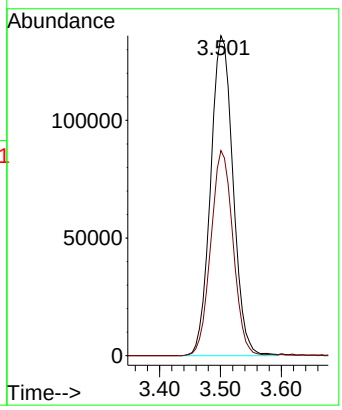




#7
Trichlorofluoromethane
Concen: 49.065 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:101 Resp: 34796

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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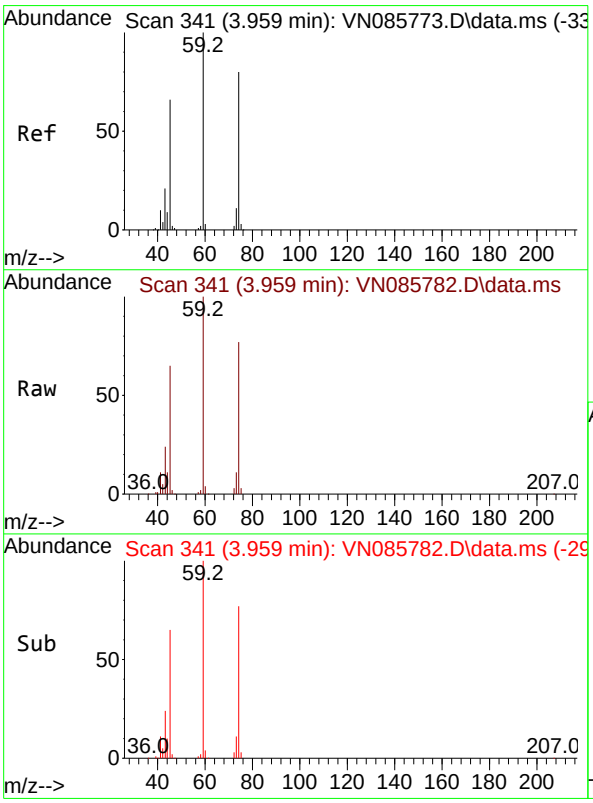
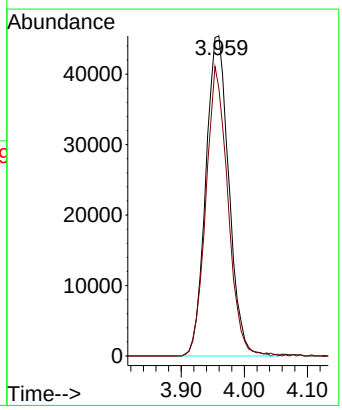
Supervised By :Mahesh Dadoda 02/20/2025

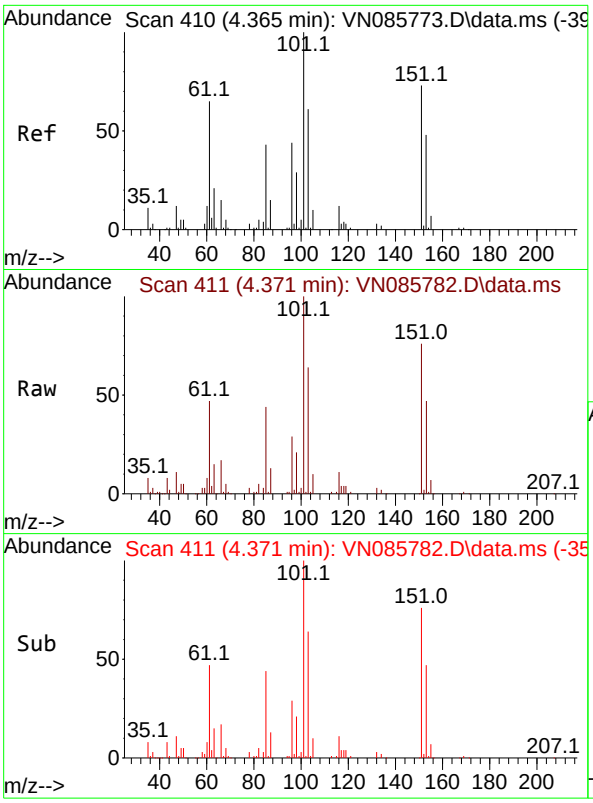


#8
Diethyl Ether
Concen: 50.161 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 74 Resp: 115104

Ion	Ratio	Lower	Upper
74	100		
45	86.4	42.5	127.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.515 ug/l
RT: 4.371 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 20708

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.7	53.5
151	75.7	61.4	92.2

Manual Integrations
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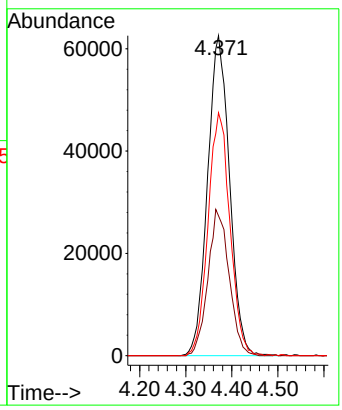
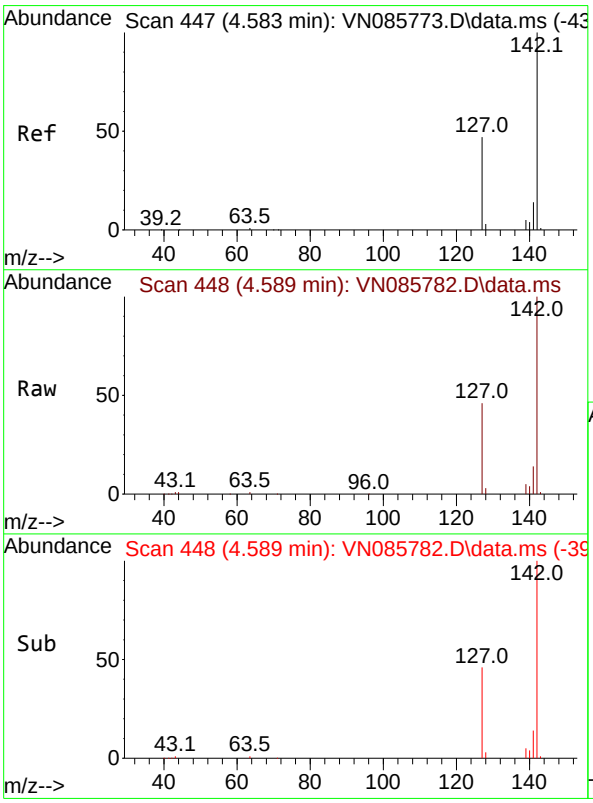
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

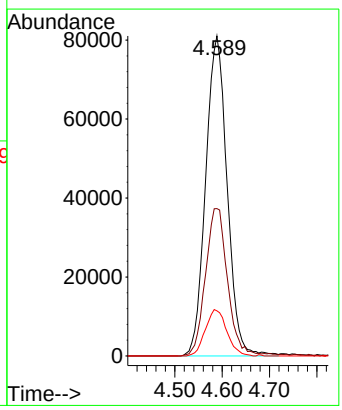


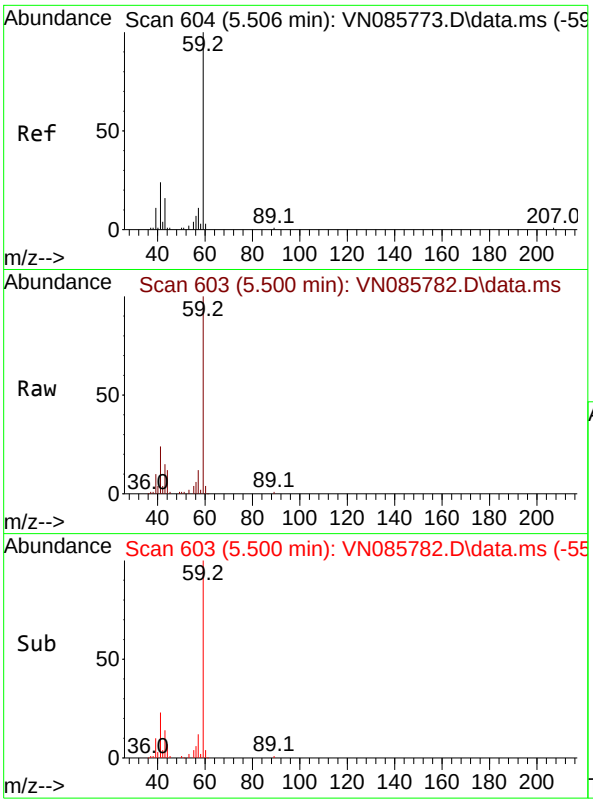


#10
Methyl Iodide
Concen: 50.538 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:142 Resp: 255381

Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.6	56.4
141	14.1	11.4	17.2

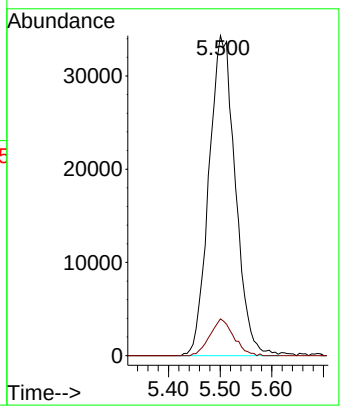




#11
Tert butyl alcohol
Concen: 225.177 ug/l
RT: 5.500 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 59 Resp: 12170

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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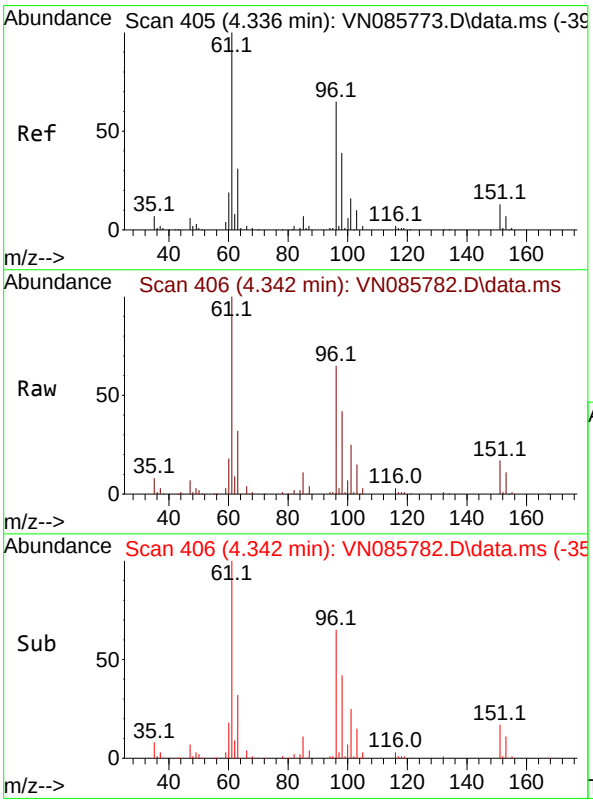
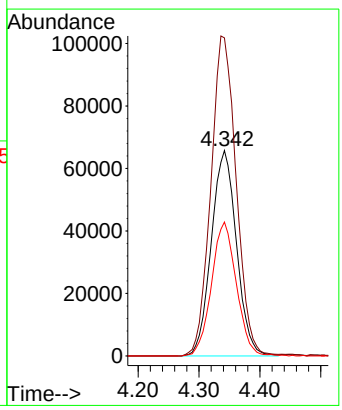
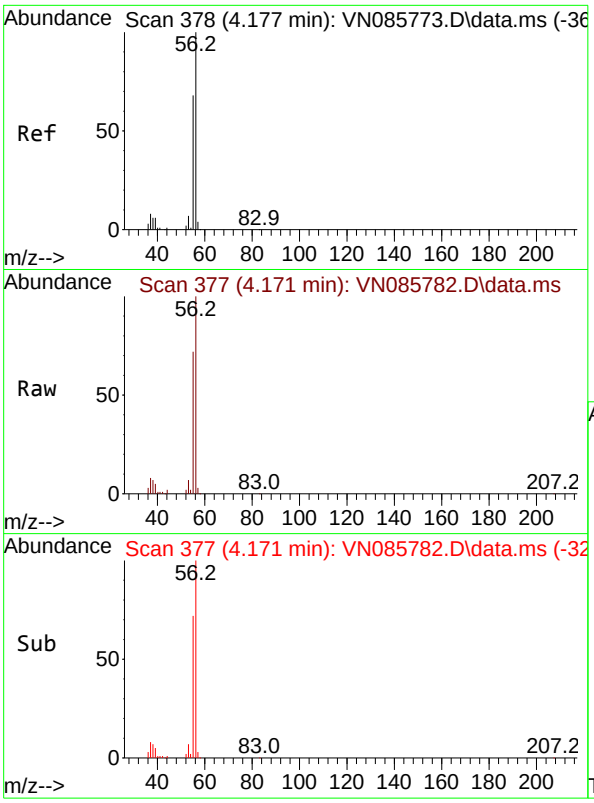


#12
1,1-Dichloroethene
Concen: 50.950 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 96 Resp: 189384

Ion	Ratio	Lower	Upper
96	100		
61	154.8	123.3	184.9
98	65.1	48.6	72.8

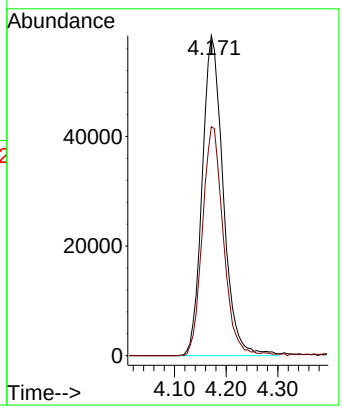




#13
Acrolein
Concen: 205.238 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 56 Resp: 16449

Ion	Ratio	Lower	Upper
56	100		
55	71.2	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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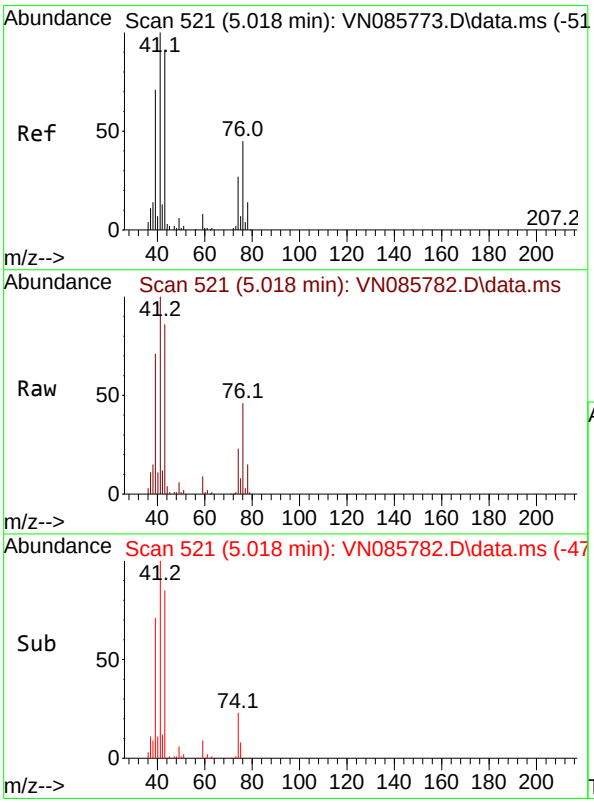
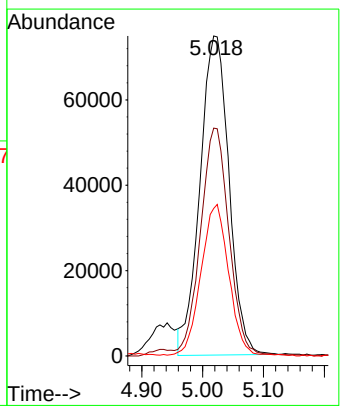
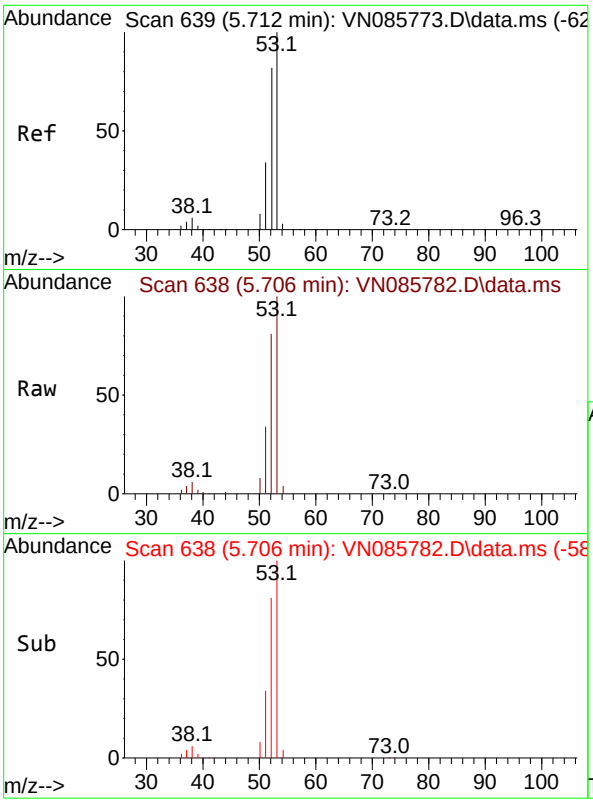


#14
Allyl chloride
Concen: 50.710 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 41 Resp: 247476

Ion	Ratio	Lower	Upper
41	100		
39	69.8	57.4	86.2
76	44.8	36.2	54.2

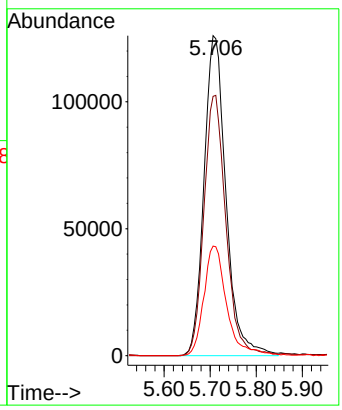




#15
Acrylonitrile
Concen: 238.131 ug/l
RT: 5.706 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 53 Resp: 41840

Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.6
51	35.7	28.6	42.8



Instrument :
MSVOA_N
ClientSampleId :
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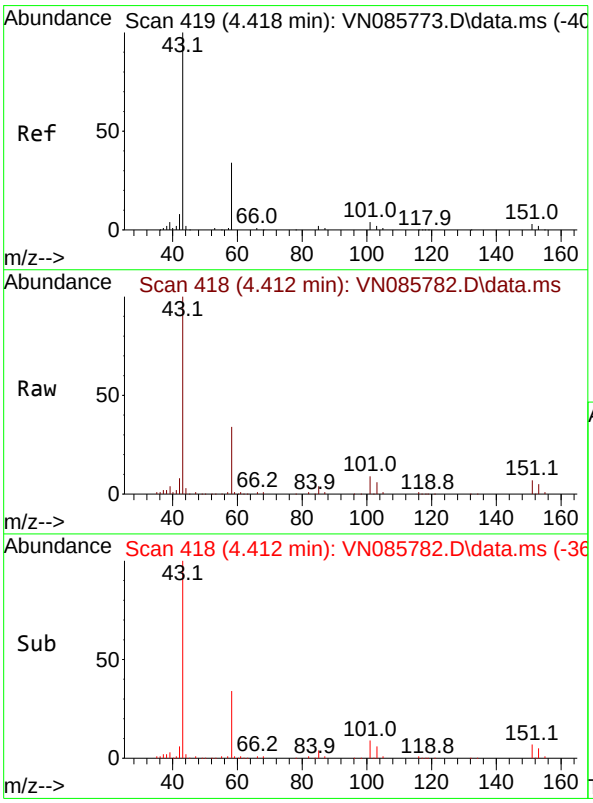
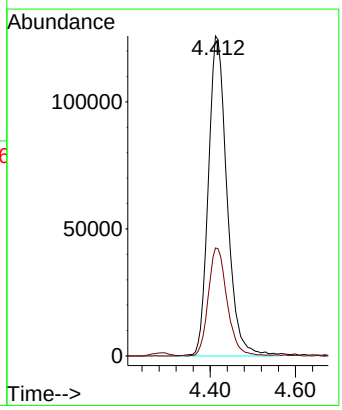
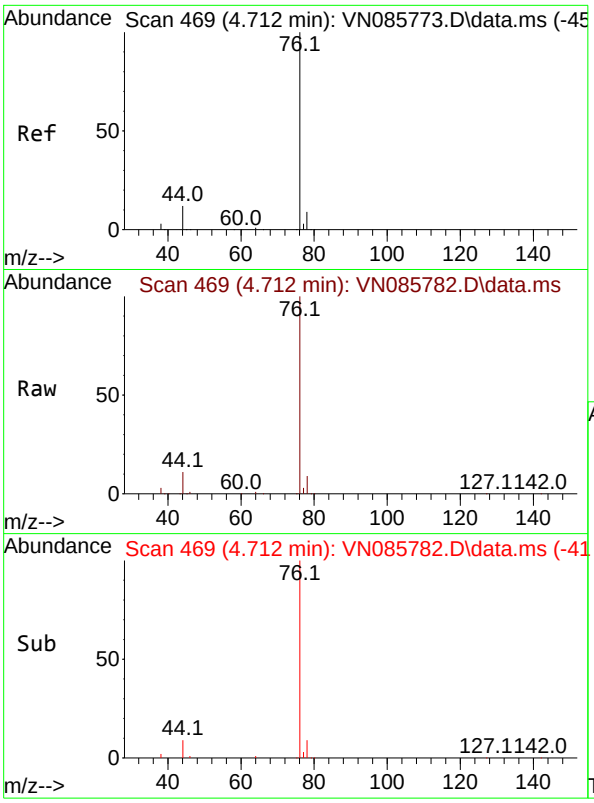


#16
Acetone
Concen: 274.906 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 382246

Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.5	41.3

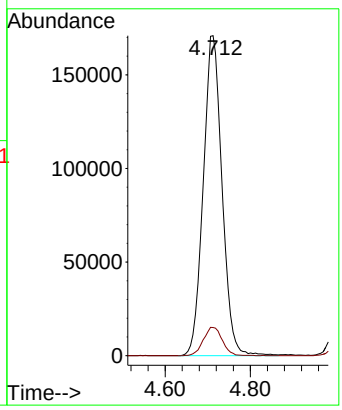




#17
Carbon Disulfide
Concen: 47.514 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 76 Resp: 52342

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0



Instrument :
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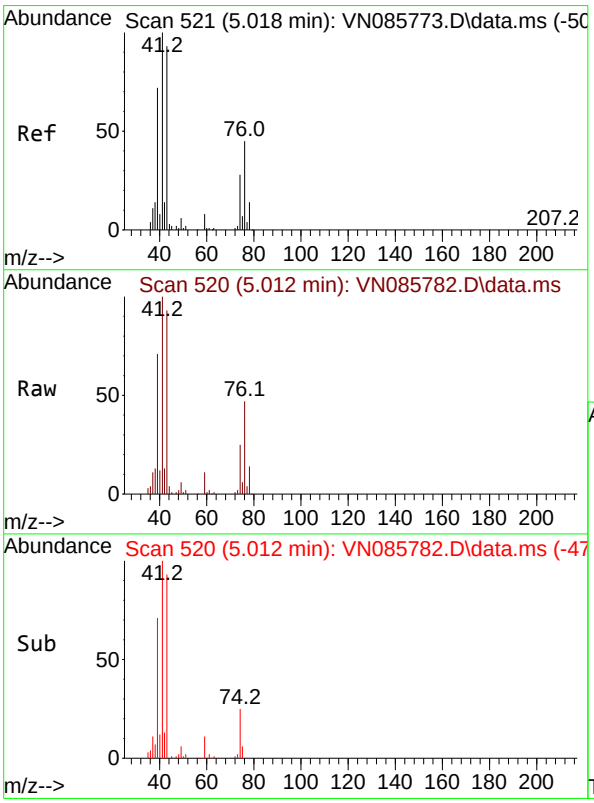
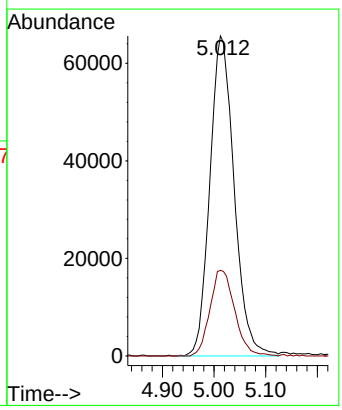
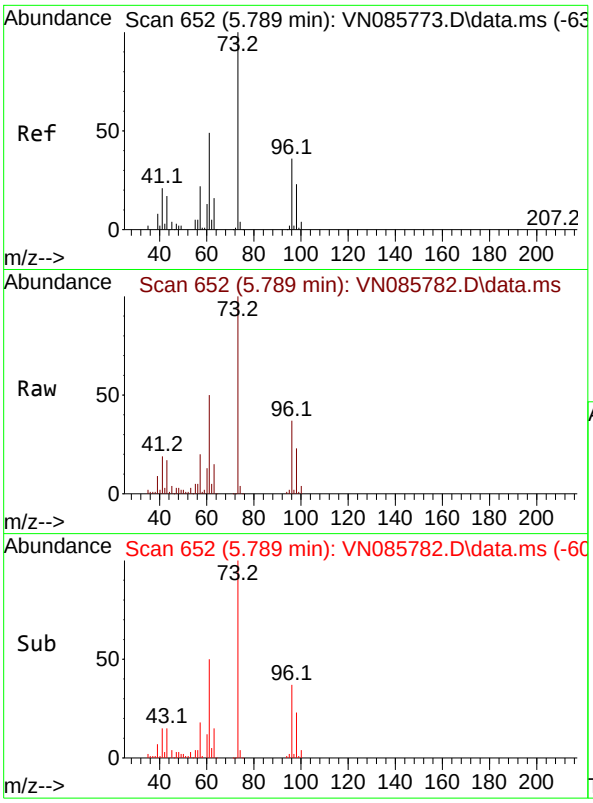


#18
Methyl Acetate
Concen: 44.785 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 214186

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4





#19
Methyl tert-butyl Ether
Concen: 53.473 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 73 Resp: 59063

Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.6	26.4

Instrument :
MSVOA_N
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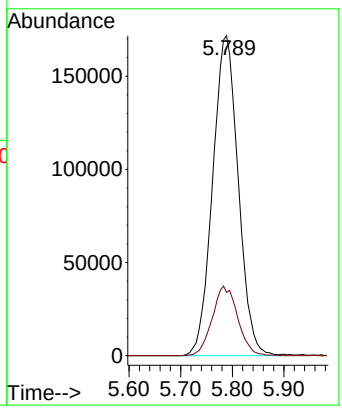
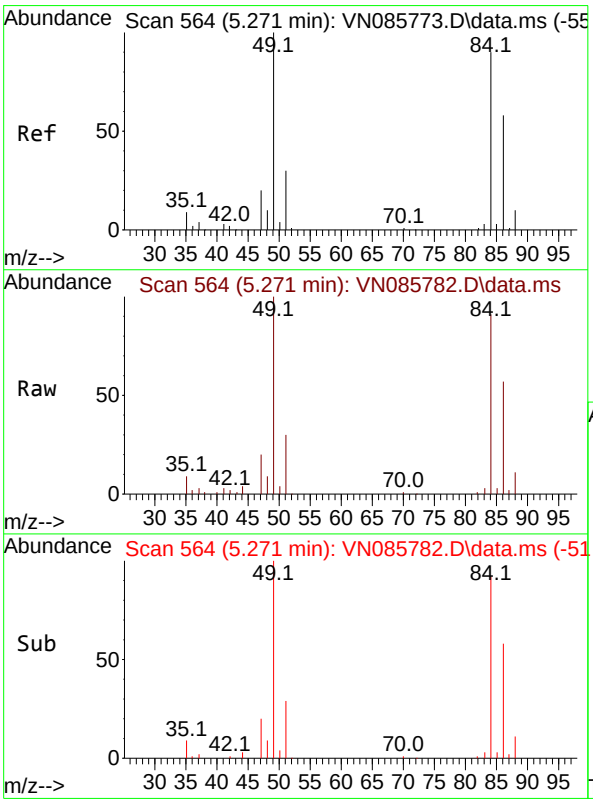
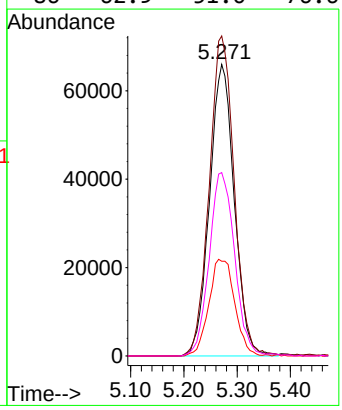


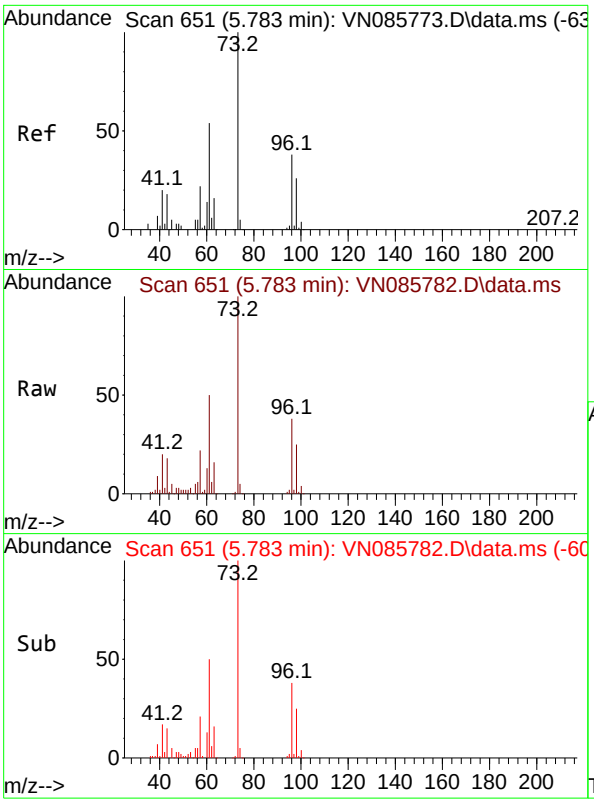


#20
Methylene Chloride
Concen: 47.605 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 84 Resp: 212867

Ion	Ratio	Lower	Upper
84	100		
49	109.7	88.4	132.6
51	32.5	26.6	40.0
86	62.9	51.0	76.6

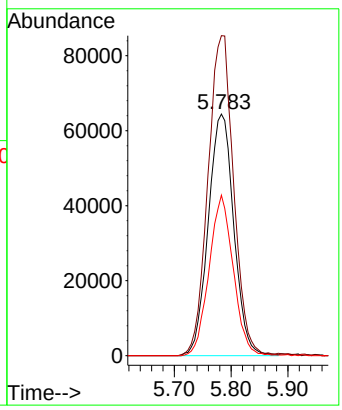




#21
trans-1,2-Dichloroethene
Concen: 50.327 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 96 Resp: 20143

Ion	Ratio	Lower	Upper
96	100		
61	132.4	112.6	168.8
98	66.4	53.3	79.9



Instrument :
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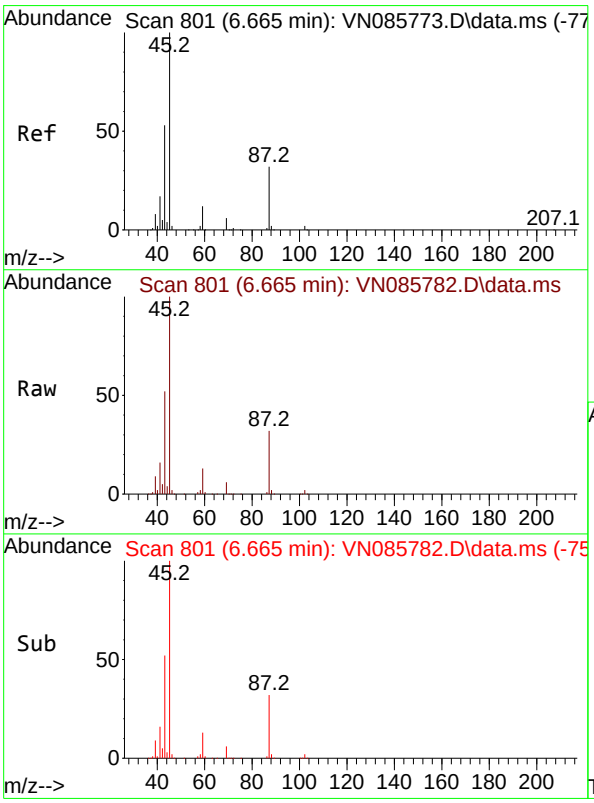
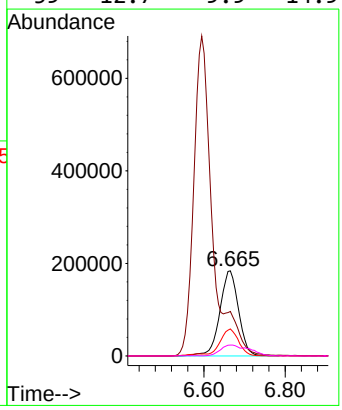
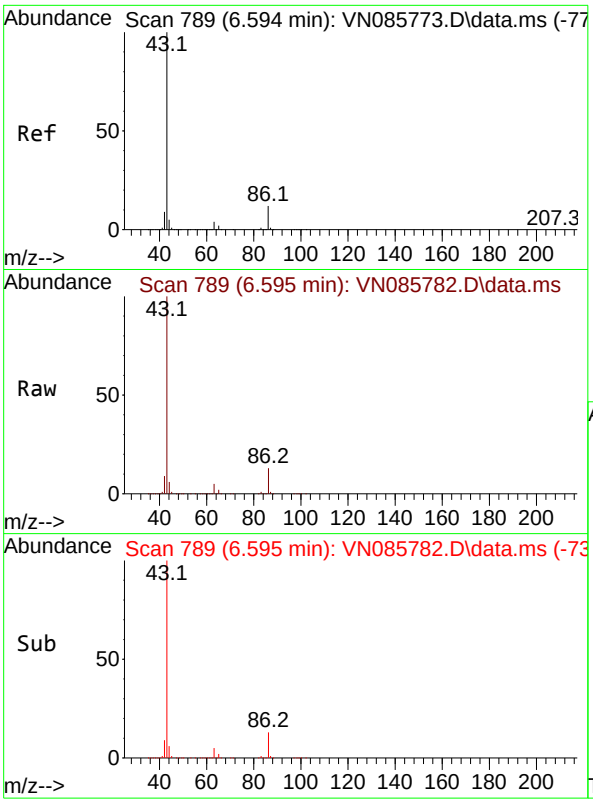


#22
Diisopropyl ether
Concen: 53.588 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 45 Resp: 590936

Ion	Ratio	Lower	Upper
45	100		
43	51.4	42.6	64.0
87	31.7	25.8	38.8
59	12.7	9.9	14.9

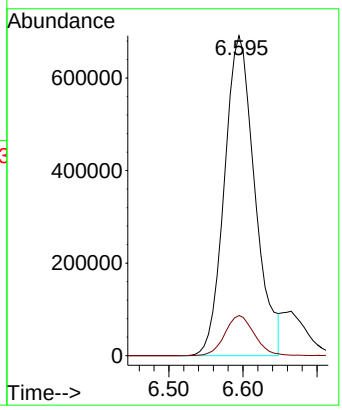




#23
Vinyl Acetate
Concen: 261.433 ug/l
RT: 6.595 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 197394

Ion	Ratio	Lower	Upper
43	100		
86	12.6	9.8	14.8



Instrument :
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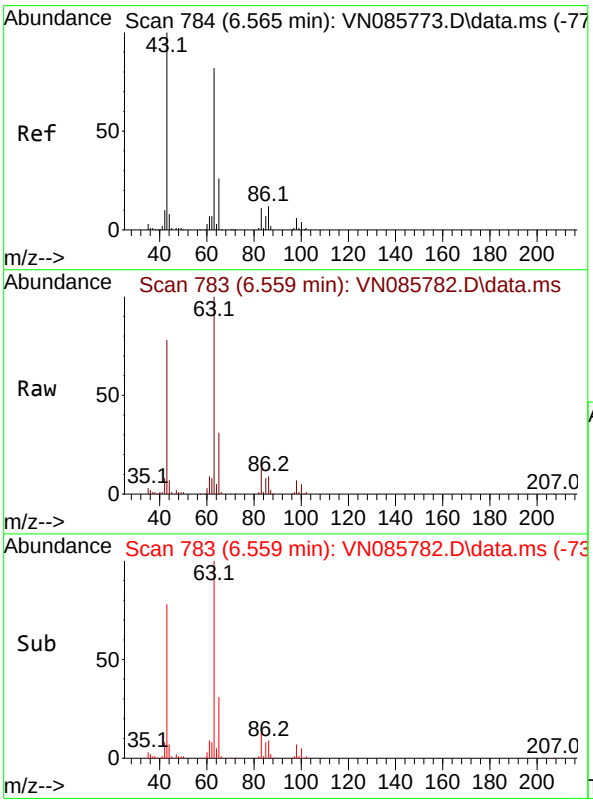
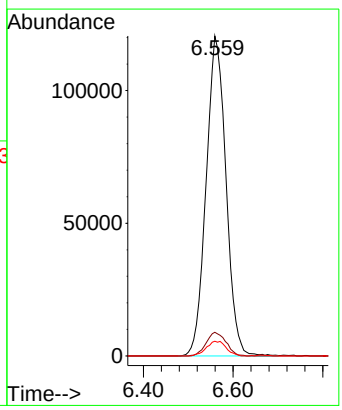
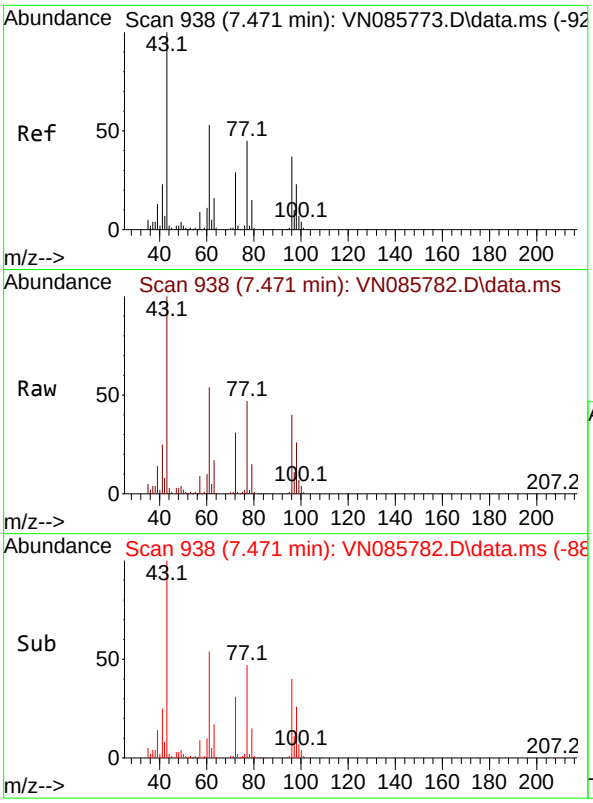


#24
1,1-Dichloroethane
Concen: 49.478 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 63 Resp: 370904

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.6	2.4	7.2





#25
2-Butanone
Concen: 255.385 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 52242

Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.6	35.4

Instrument :
MSVOA_N
ClientSampleId :
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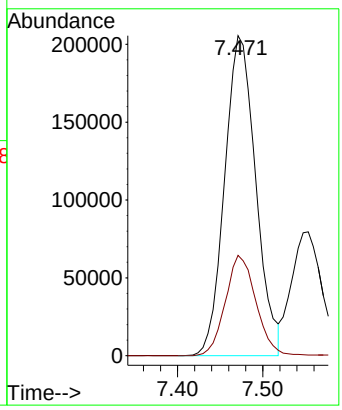
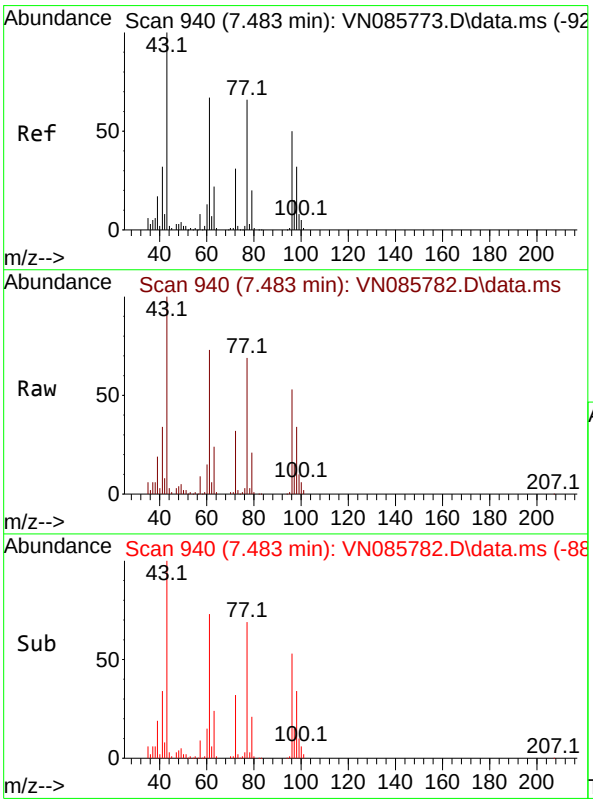
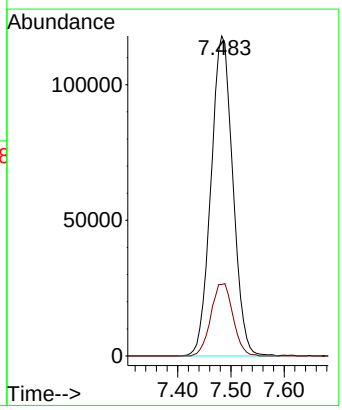


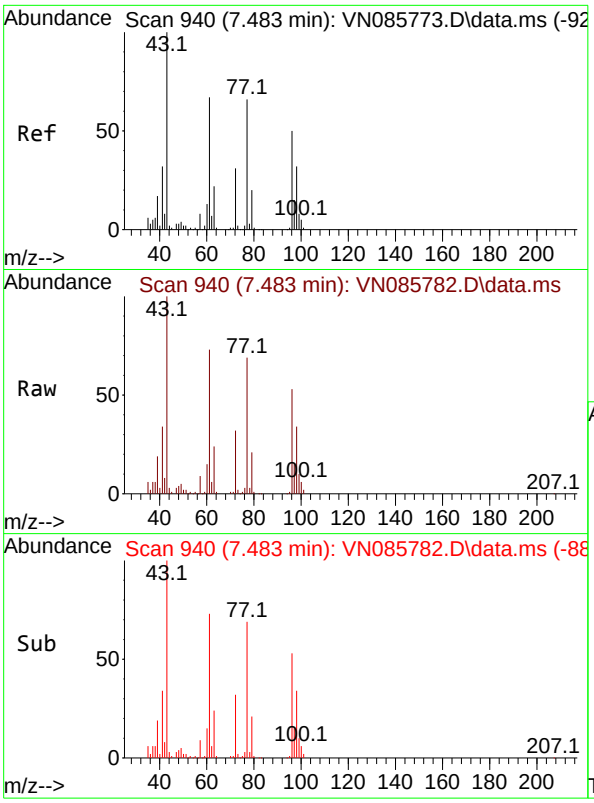


#26
2,2-Dichloropropane
Concen: 50.464 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 77 Resp: 336386

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 51.333 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 96 Resp: 23822

Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	280.6
98	64.4	0.0	128.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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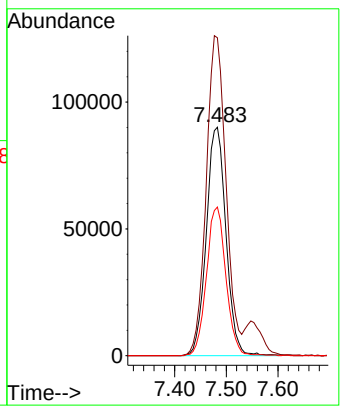
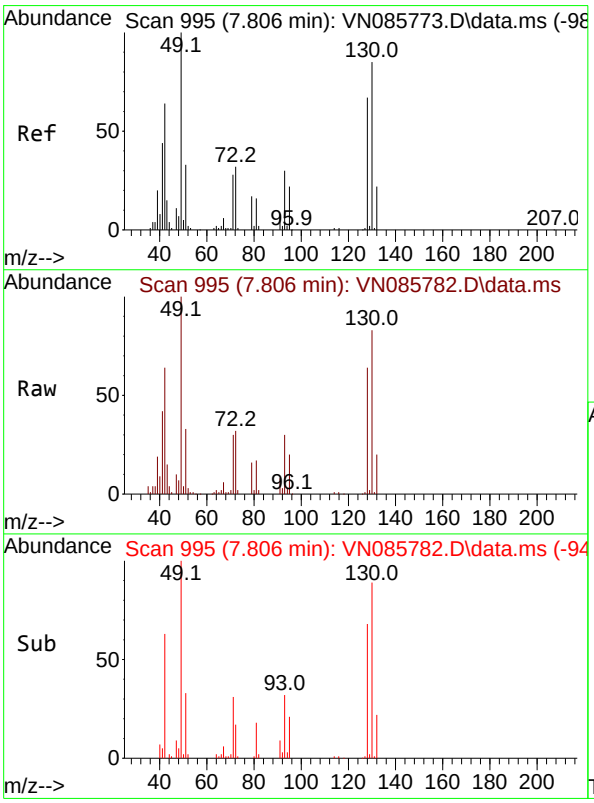
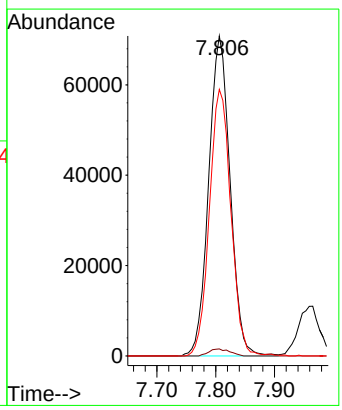


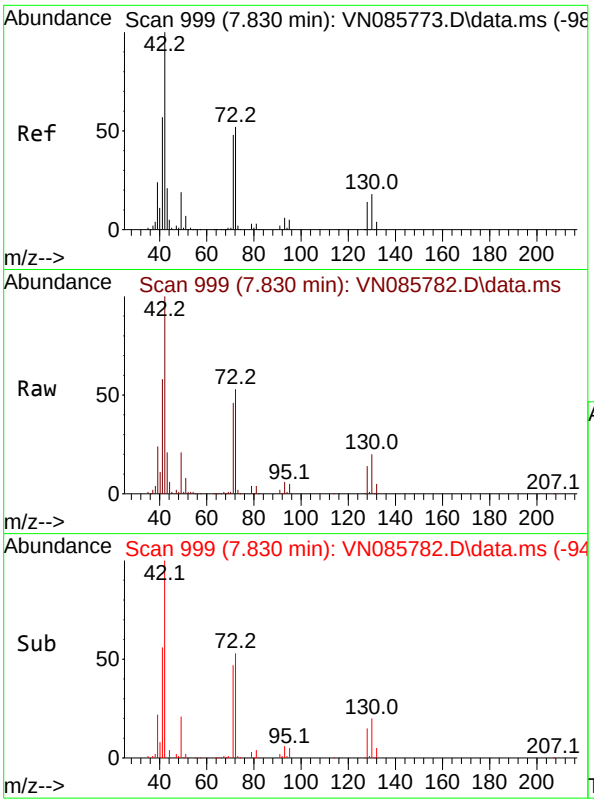


#28
Bromochloromethane
Concen: 58.177 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 49 Resp: 179247

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	83.3	68.0	102.0

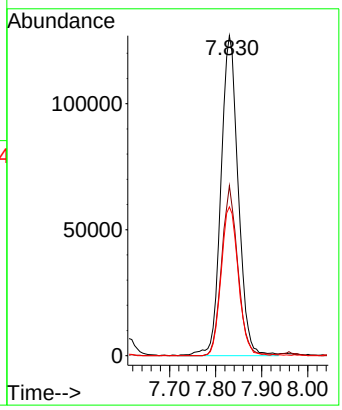




#29
Tetrahydrofuran
Concen: 249.701 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 42 Resp: 32984

Ion	Ratio	Lower	Upper
42	100		
72	49.8	40.0	60.0
71	46.4	37.0	55.4



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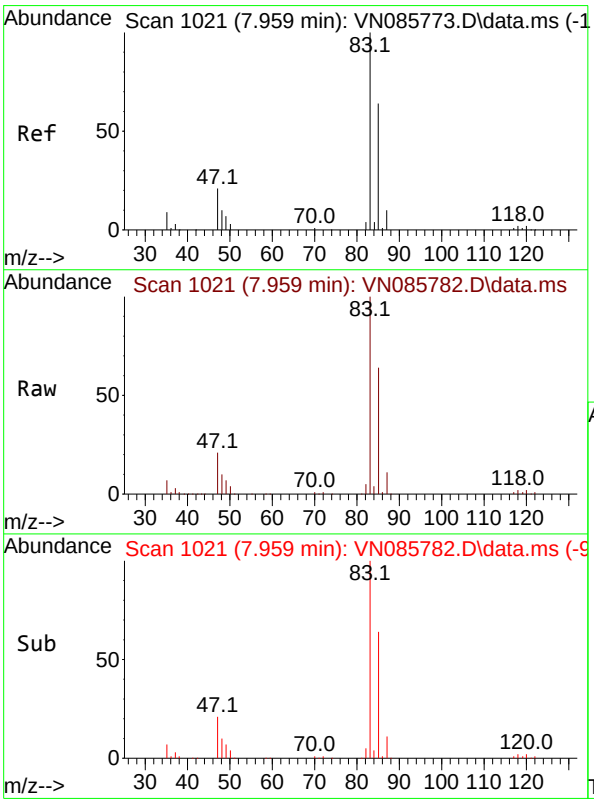
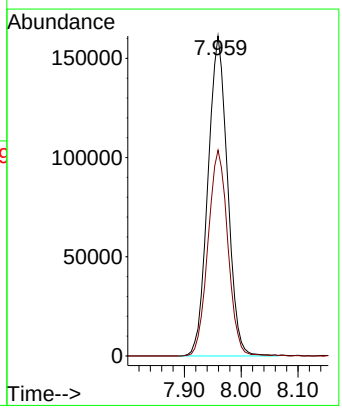
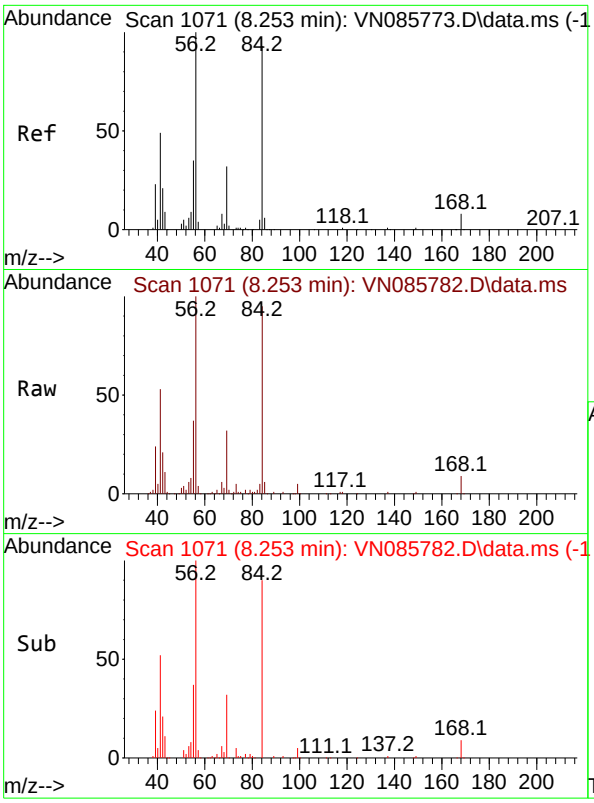


#30
Chloroform
Concen: 49.129 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 83 Resp: 384871

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3

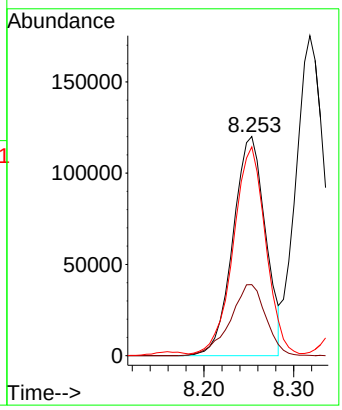




#31
Cyclohexane
Concen: 48.266 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 56 Resp: 30294

Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.6
84	93.6	74.5	111.7



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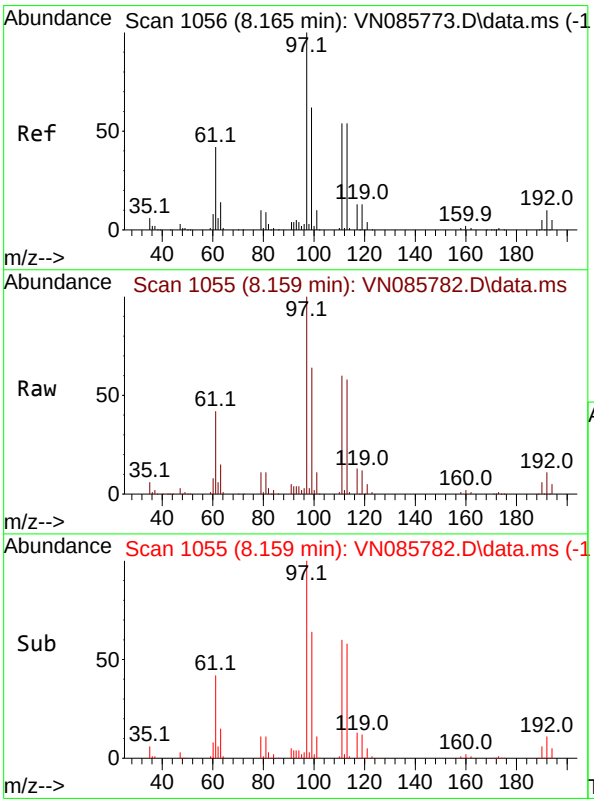
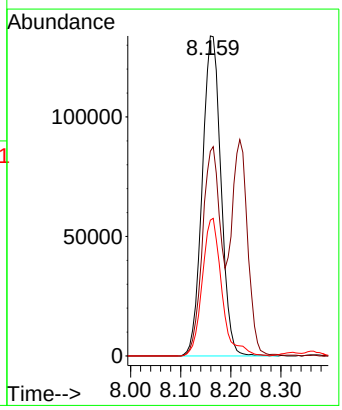
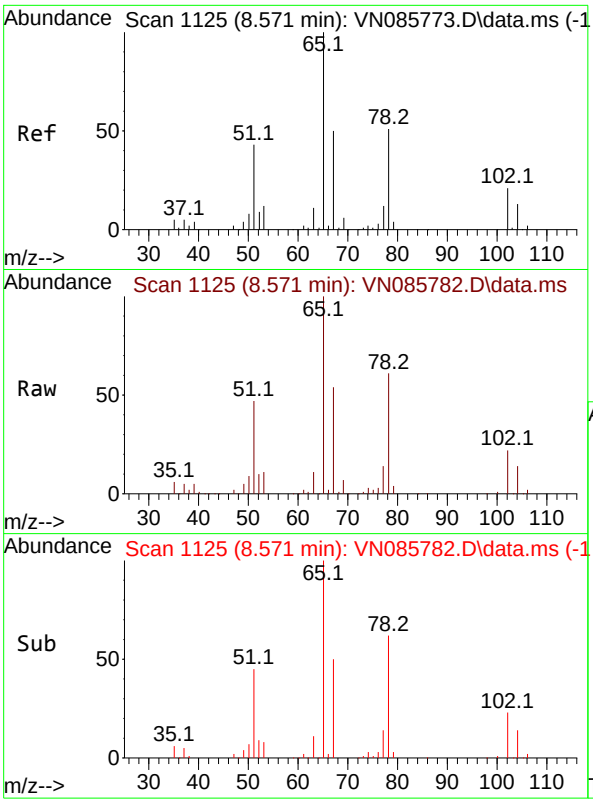


#32
1,1,1-Trichloroethane
Concen: 49.863 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 97 Resp: 347439

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.4	75.6
61	44.9	35.5	53.3

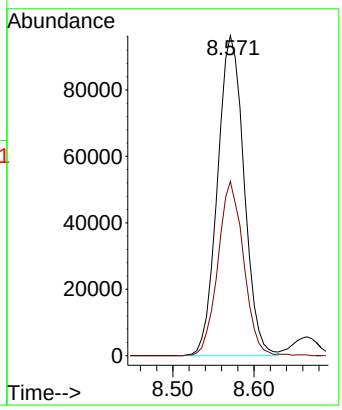




#33
1,2-Dichloroethane-d4
Concen: 49.835 ug/l
RT: 8.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 65 Resp: 21899

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.2



Instrument :
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ClientSampleId :
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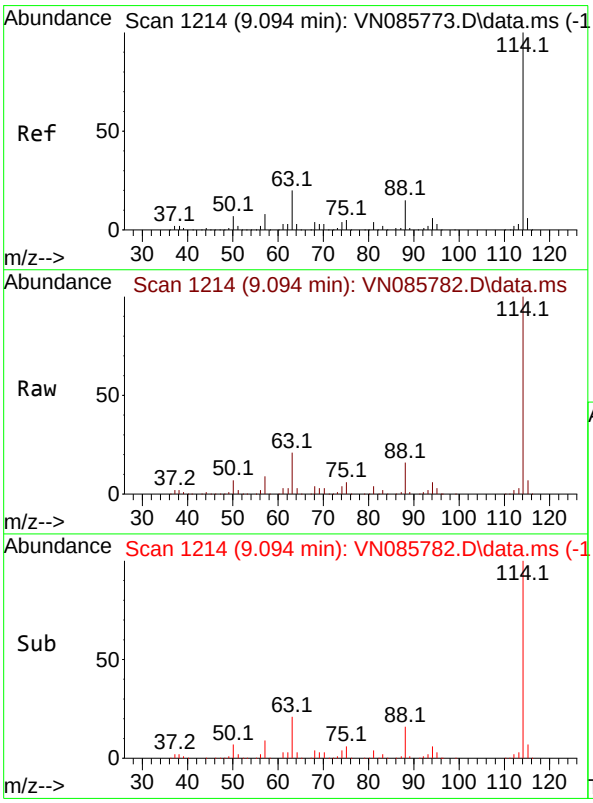
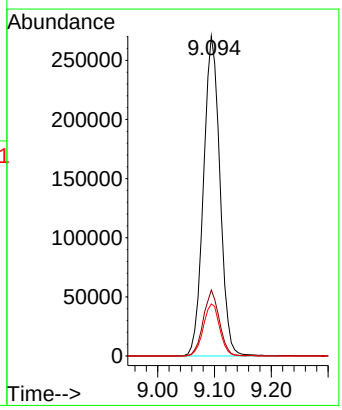
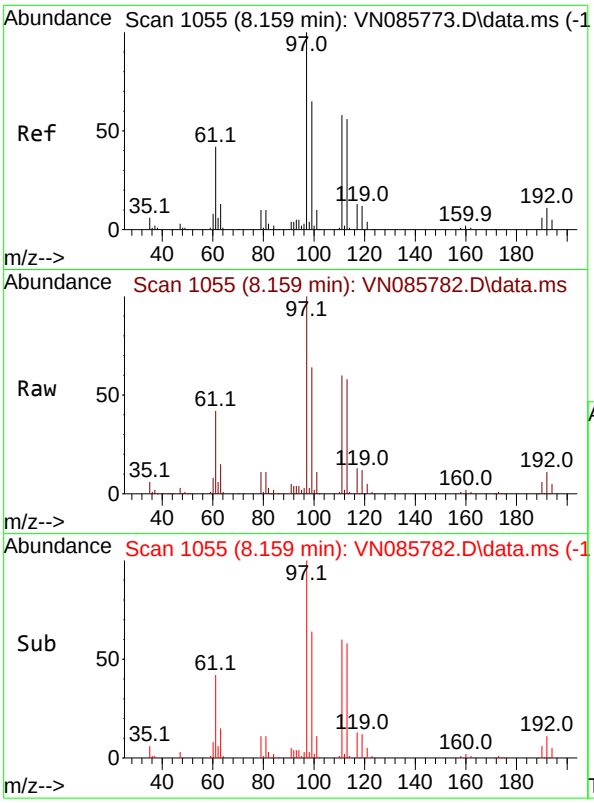


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:114 Resp: 542050

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.2
88	16.3	0.0	30.0

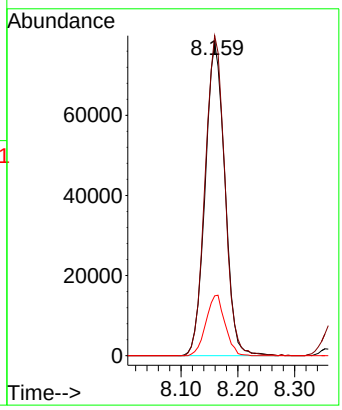




#35
Dibromofluoromethane
Concen: 52.900 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:113 Resp: 18763

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	18.7	14.7	22.1



Instrument :
MSVOA_N
ClientSampleId :
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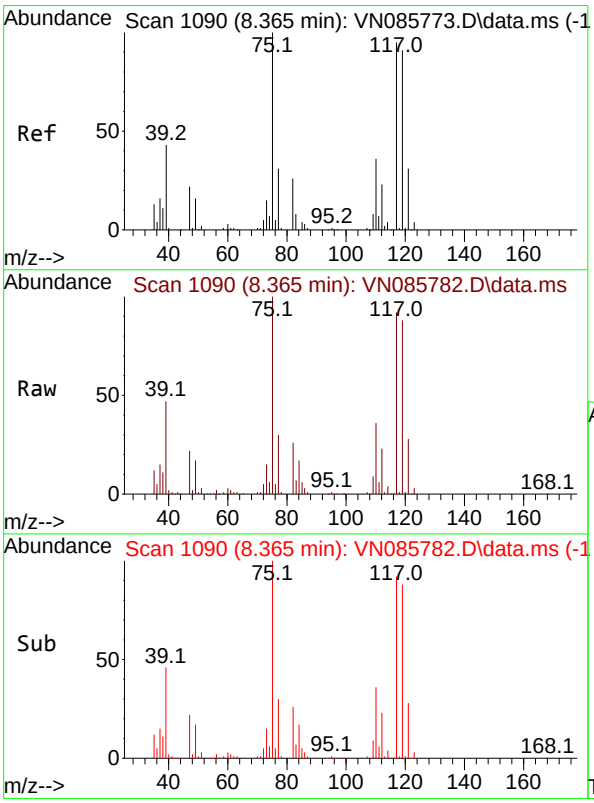
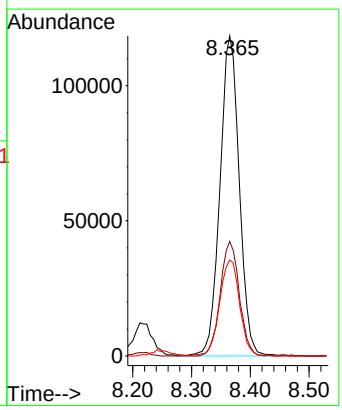
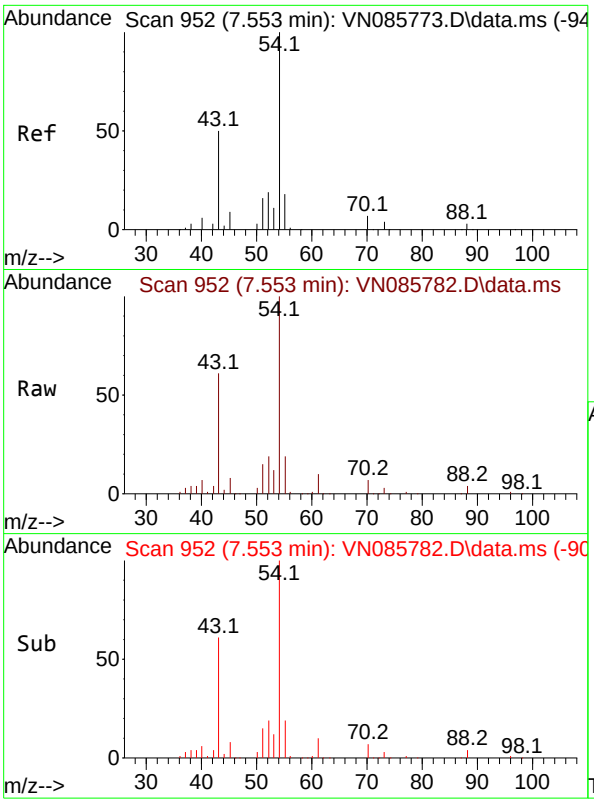


#36
1,1-Dichloropropene
Concen: 53.862 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 270378

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.3	52.0
77	31.2	24.6	37.0

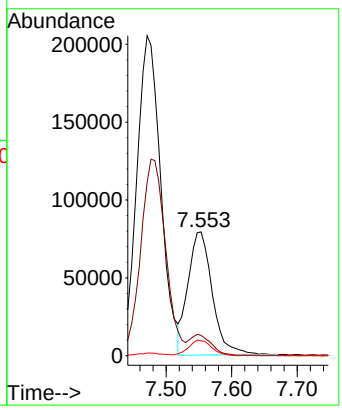




#37
Ethyl Acetate
Concen: 49.384 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 20400

Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	11.9	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
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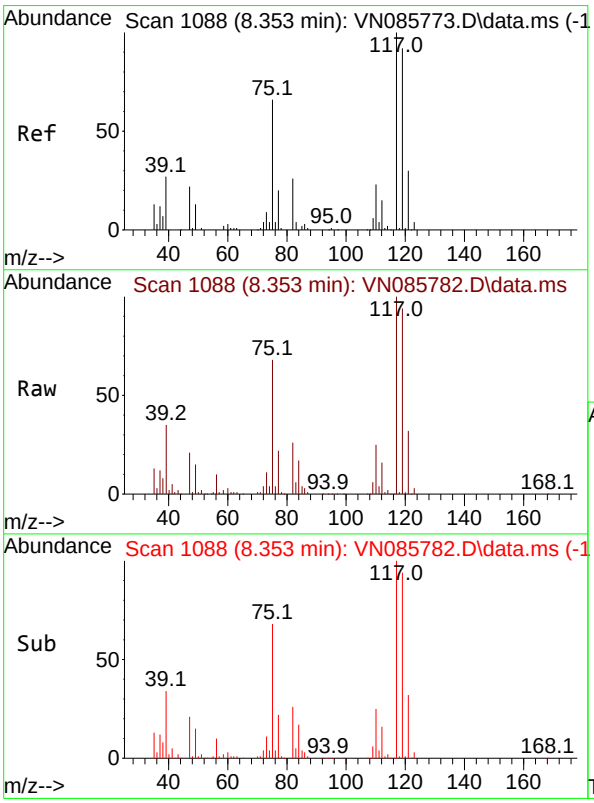
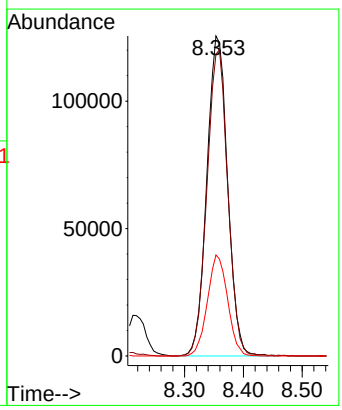
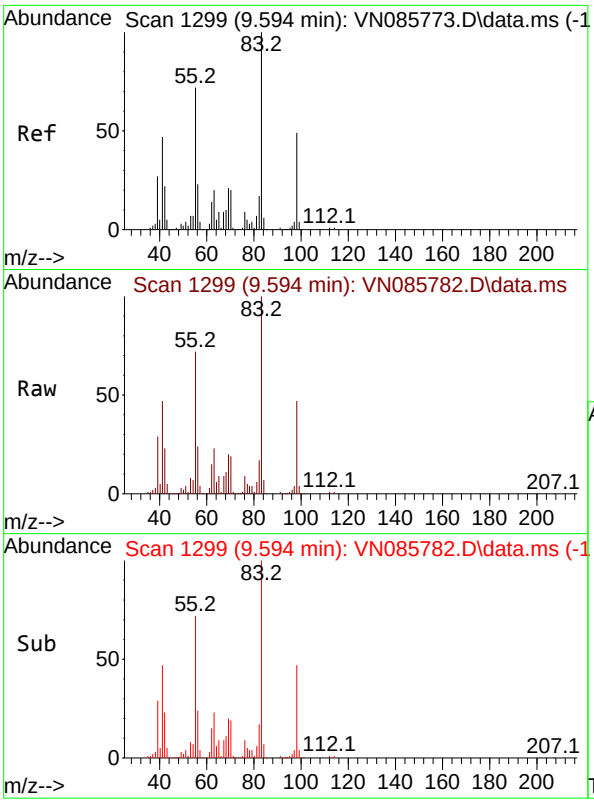


#38
Carbon Tetrachloride
Concen: 51.650 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:117 Resp: 308070

Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.8	110.6
121	31.5	24.3	36.5





#39
Methylcyclohexane
Concen: 59.556 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 83 Resp: 29369

Ion	Ratio	Lower	Upper
83	100		
55	71.7	57.5	86.3
98	47.5	39.2	58.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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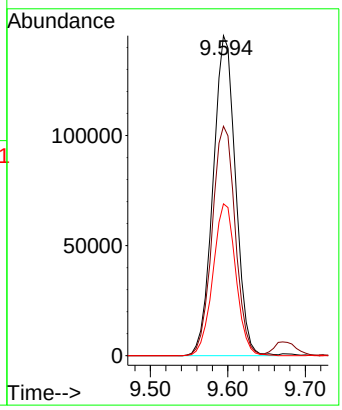
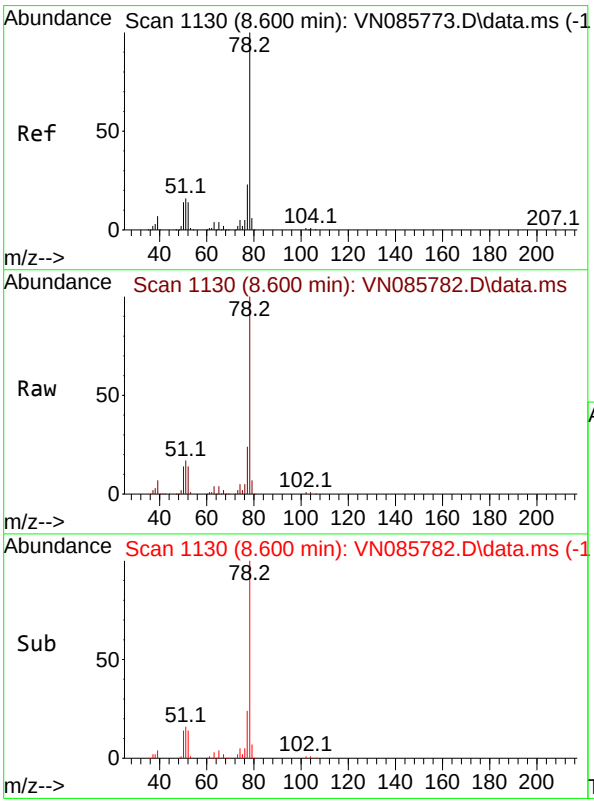
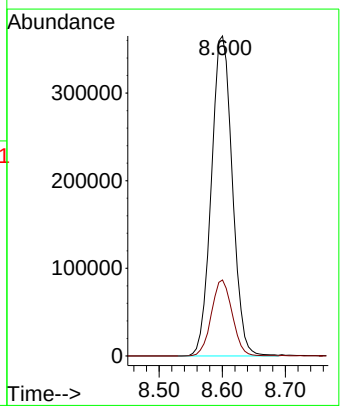


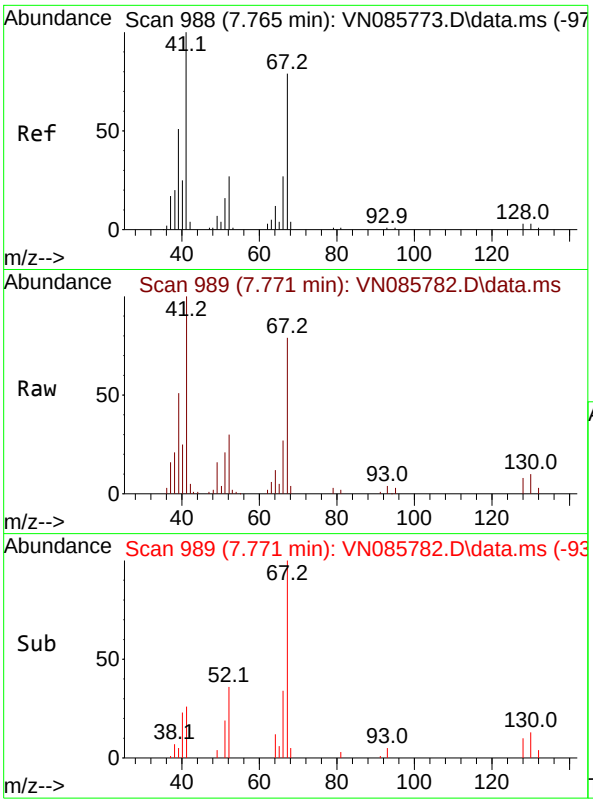


#40
Benzene
Concen: 52.435 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 78 Resp: 843620

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5

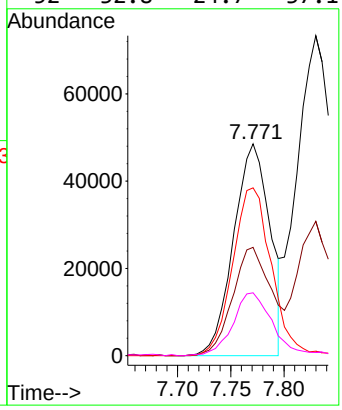




#41
Methacrylonitrile
Concen: 52.247 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 41 Resp: 11537

Ion	Ratio	Lower	Upper
41	100		
39	55.5	42.0	63.0
67	84.7	64.2	96.4
52	32.8	24.7	37.1



Instrument :
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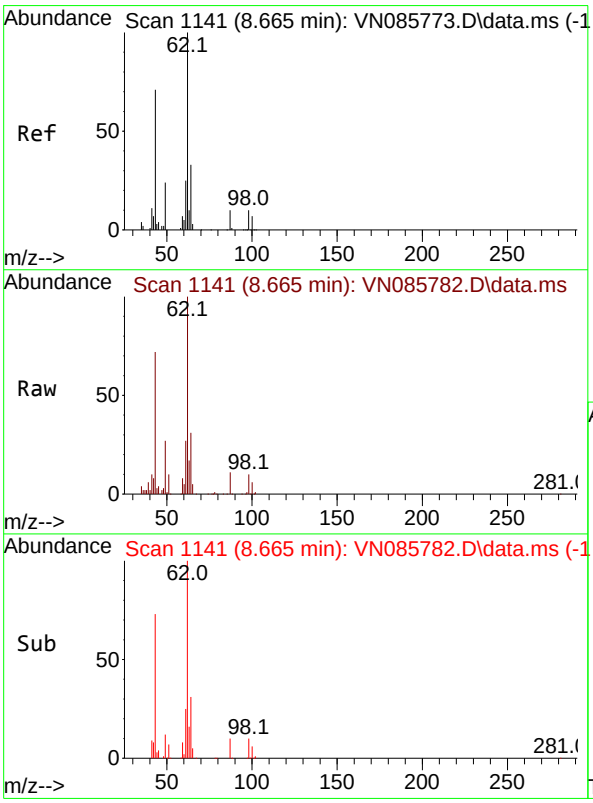
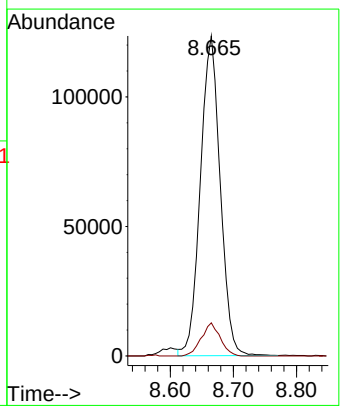
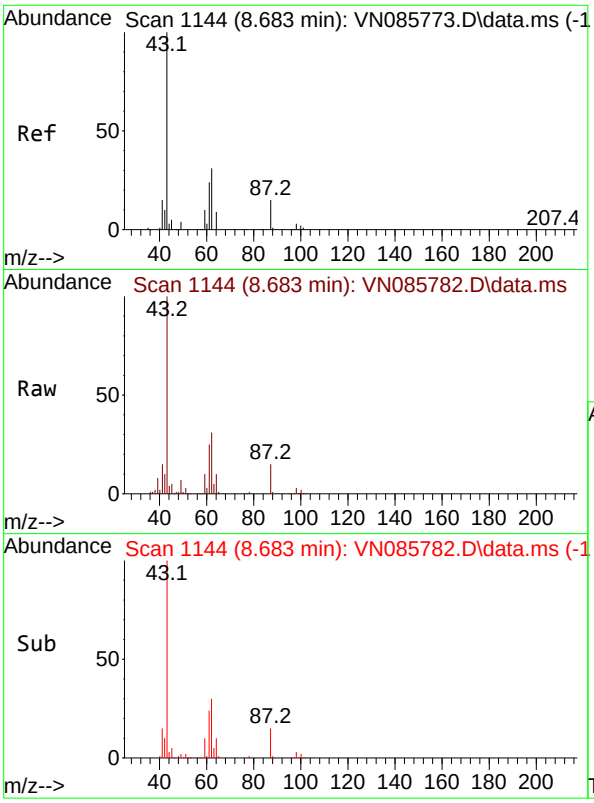


#42
1,2-Dichloroethane
Concen: 51.342 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 62 Resp: 269061

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6

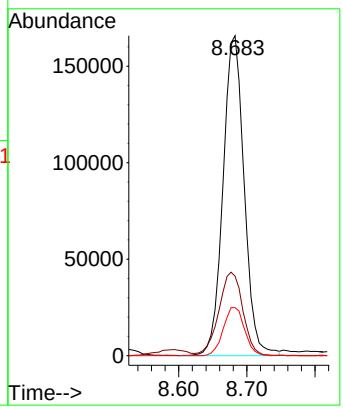




#43
Isopropyl Acetate
Concen: 49.475 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 35872

Ion	Ratio	Lower	Upper
43	100		
61	29.7	22.6	34.0
87	15.1	11.8	17.8



Instrument :
MSVOA_N
ClientSampleId :
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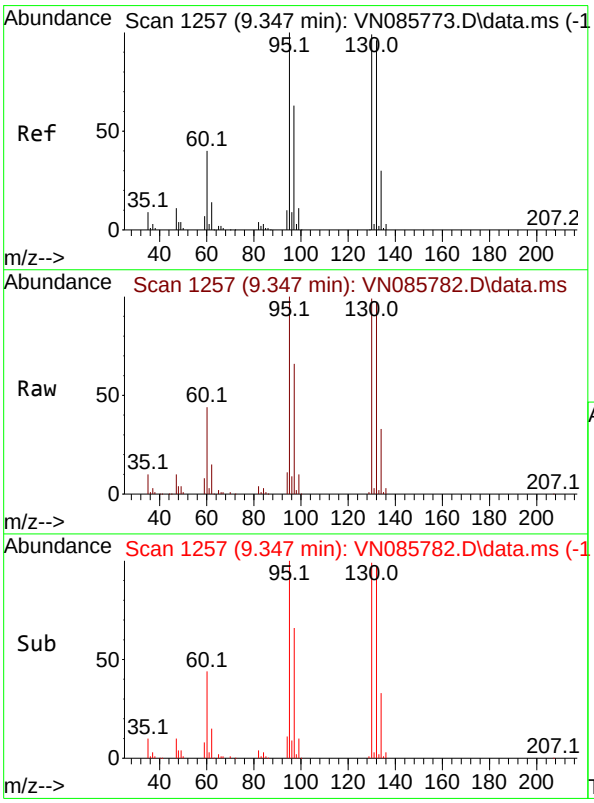
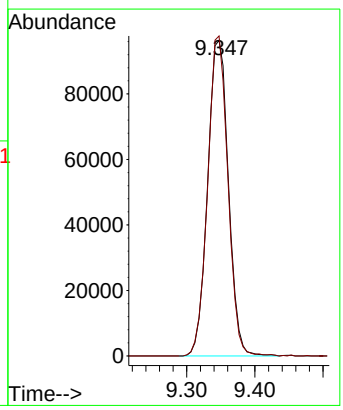
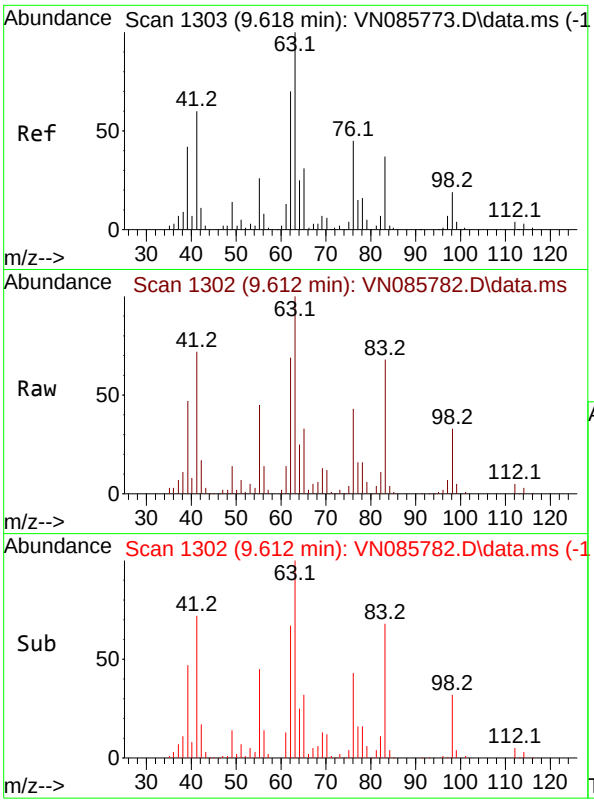


#44
Trichloroethene
Concen: 51.748 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:130 Resp: 204423

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	202.6

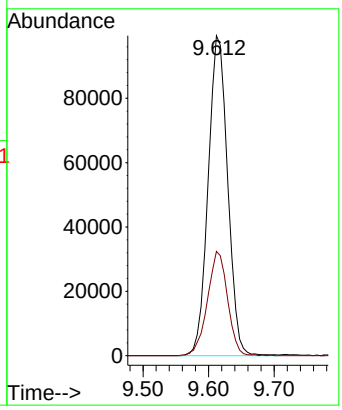




#45
1,2-Dichloropropane
Concen: 52.875 ug/l
RT: 9.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 63 Resp: 20534

Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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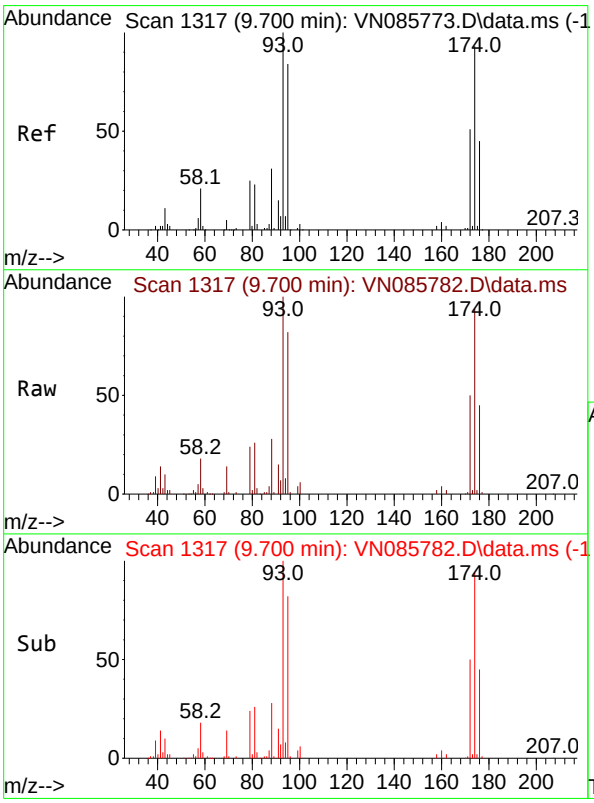
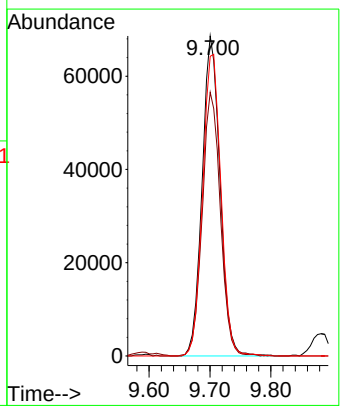
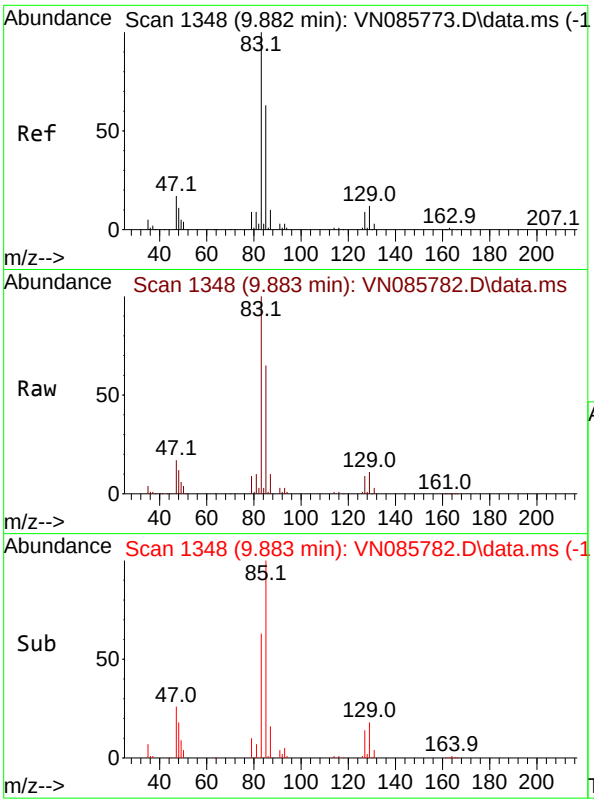


#46
Dibromomethane
Concen: 51.094 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 93 Resp: 139963

Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.7	100.1
174	96.7	77.2	115.8

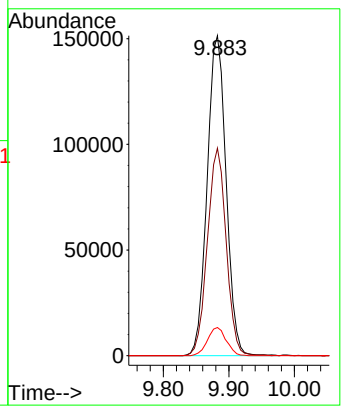




#47
Bromodichloromethane
Concen: 51.856 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 83 Resp: 30391

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.8	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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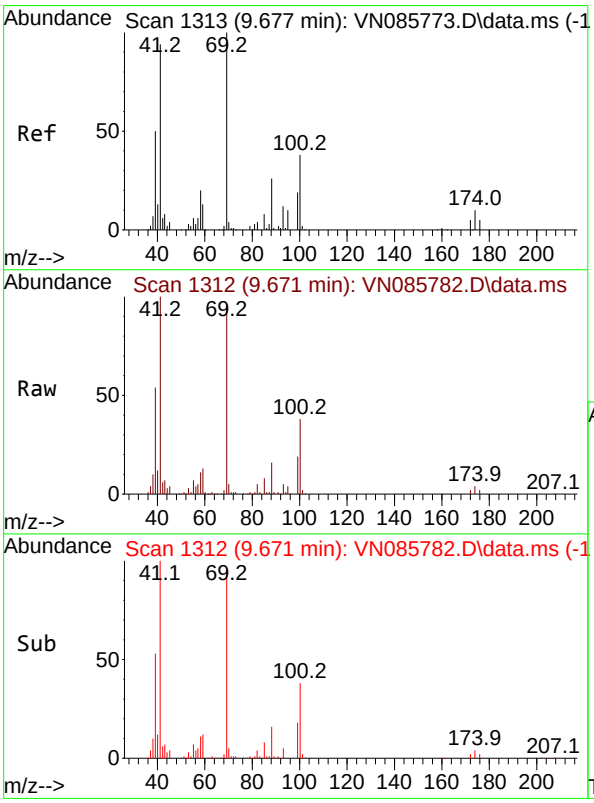
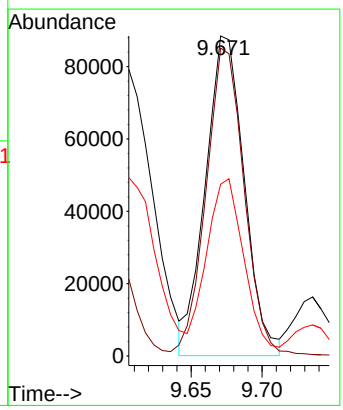
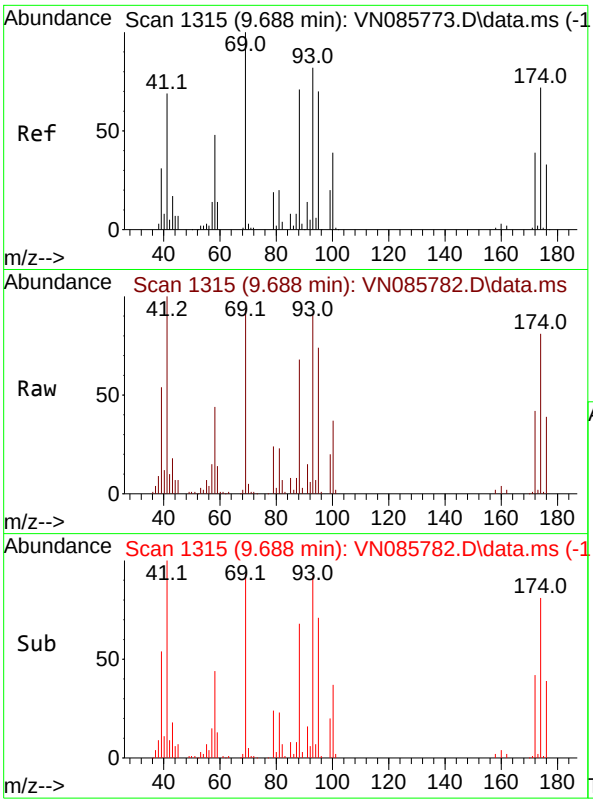


#48
Methyl methacrylate
Concen: 54.849 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 41 Resp: 168275

Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.0	114.0
39	53.6	42.3	63.5

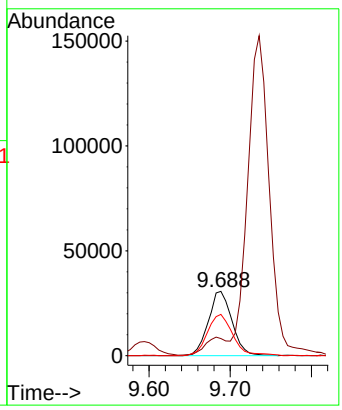




#49
1,4-Dioxane
Concen: 1062.788 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 88 Resp: 6200

Ion	Ratio	Lower	Upper
88	100		
43	27.8	18.6	27.8
58	69.0	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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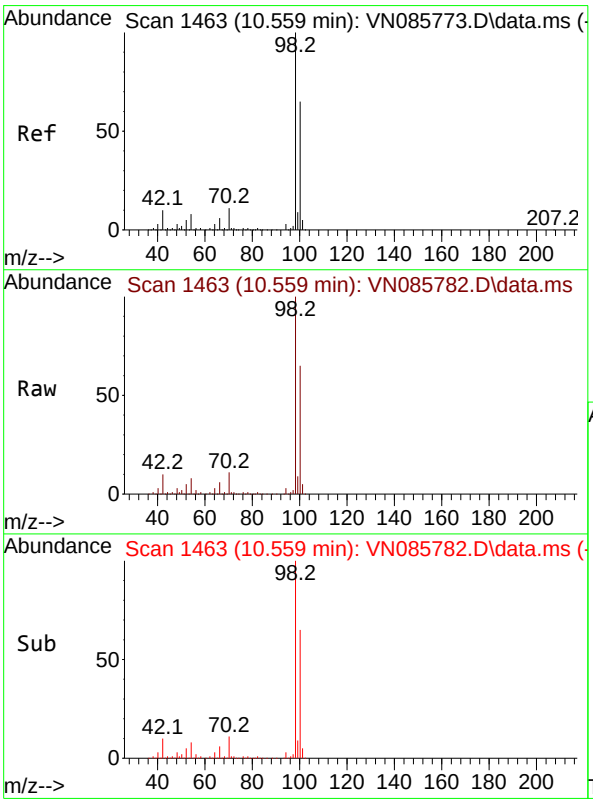
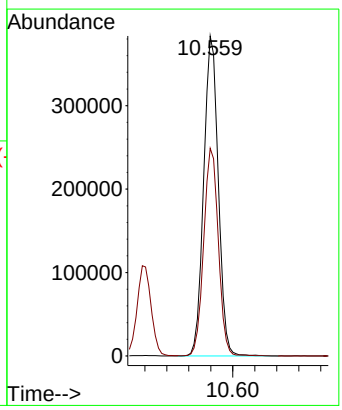
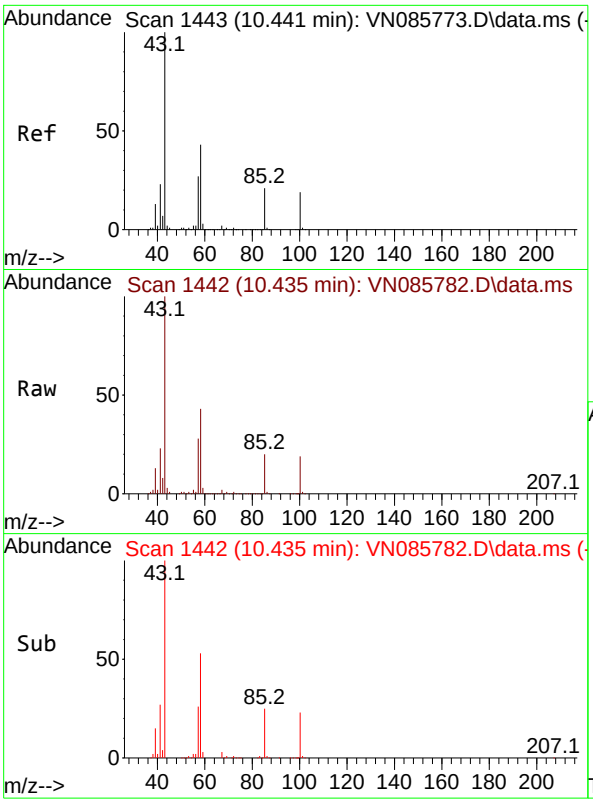


#50
Toluene-d8
Concen: 54.690 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 98 Resp: 705762

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 260.736 ug/l
RT: 10.435 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 103848

Ion	Ratio	Lower	Upper
43	100		
58	43.4	34.6	52.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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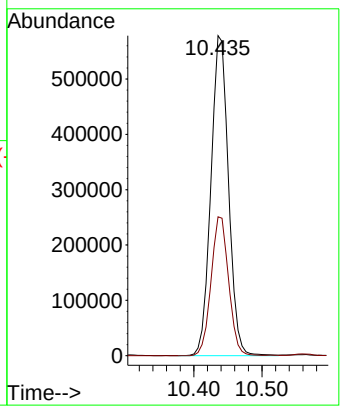
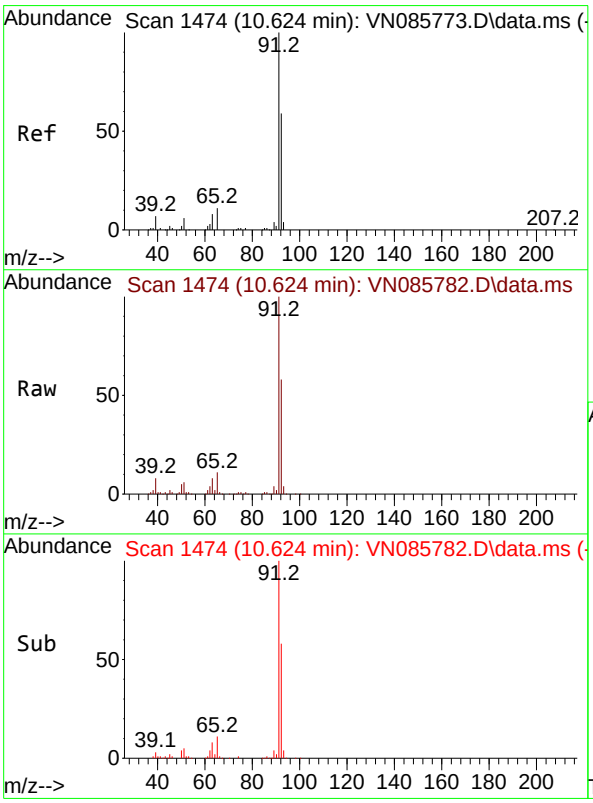
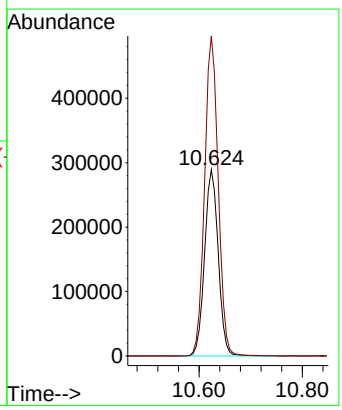


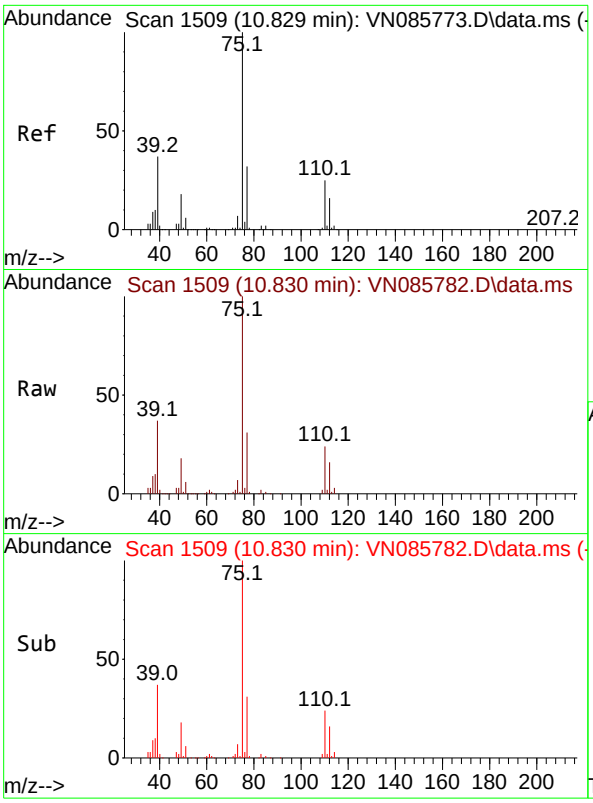


#52
Toluene
Concen: 56.046 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 92 Resp: 528579

Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.9	205.3

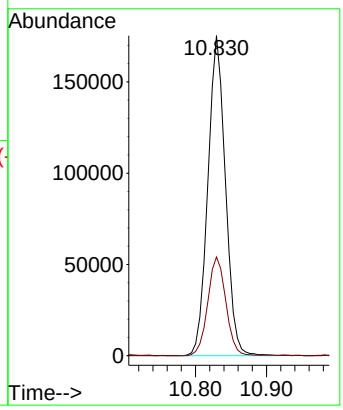




#53
t-1,3-Dichloropropene
Concen: 55.646 ug/l
RT: 10.830 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 30156

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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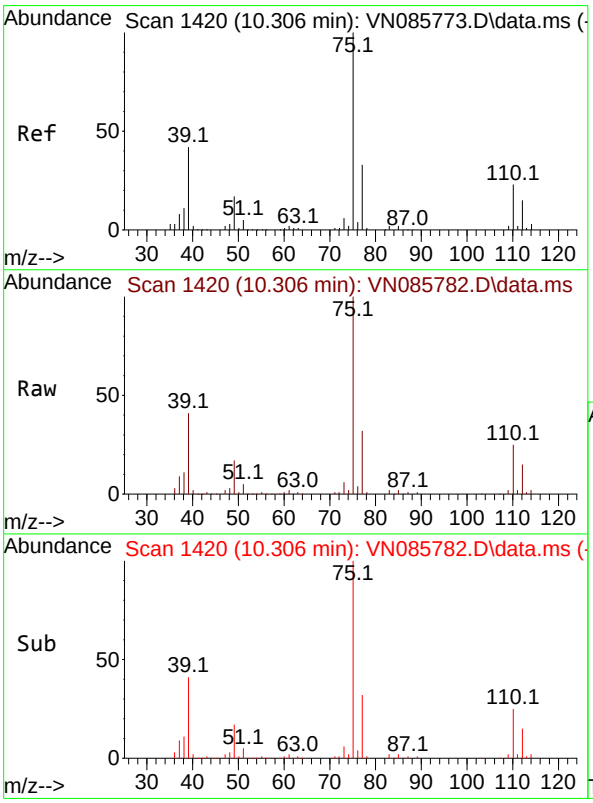
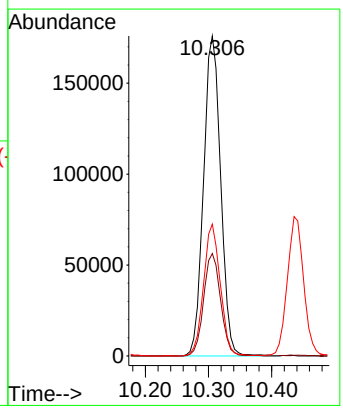
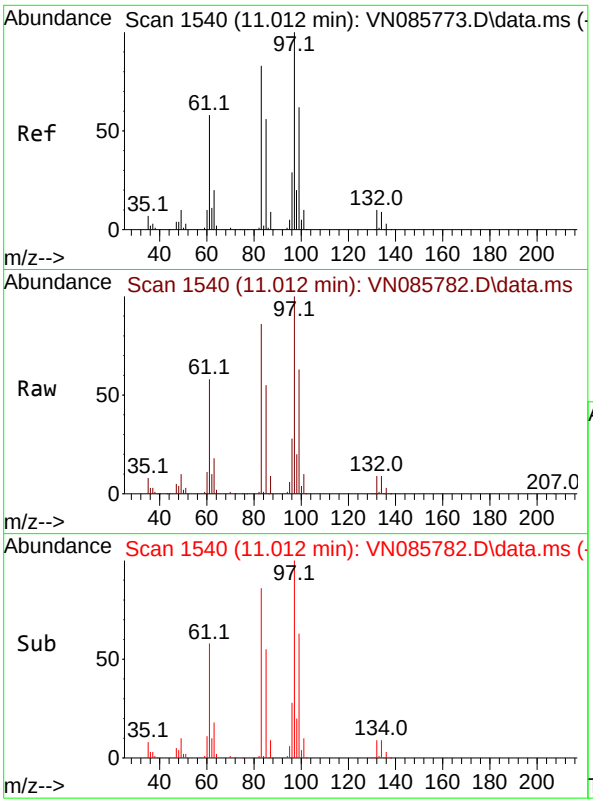


#54
cis-1,3-Dichloropropene
Concen: 55.852 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 331906

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.1	39.1
39	41.2	33.4	50.0

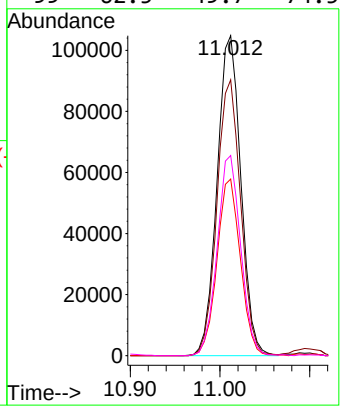




#55
1,1,2-Trichloroethane
Concen: 51.456 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 97 Resp: 19294

Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.1	99.1
85	55.2	44.7	67.1
99	62.5	49.7	74.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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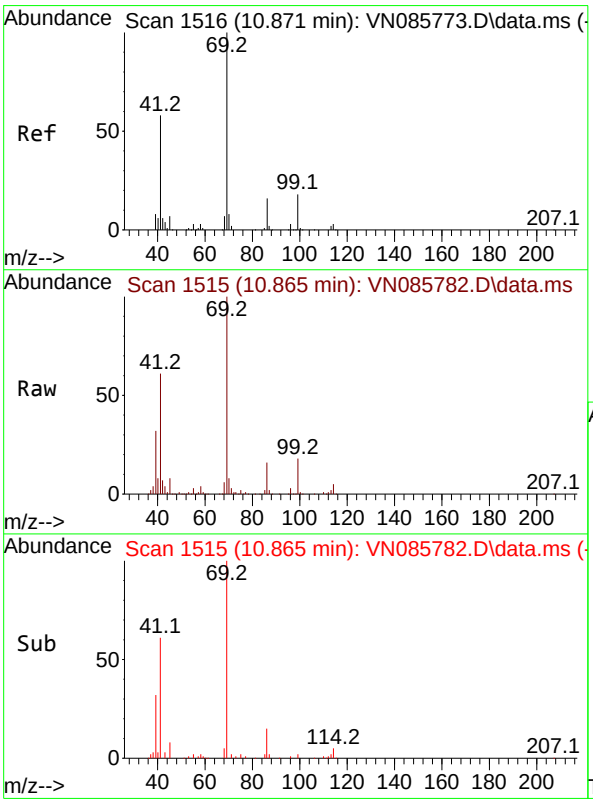
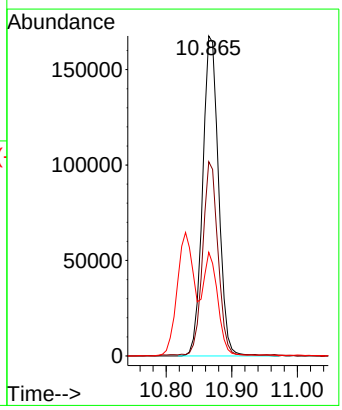
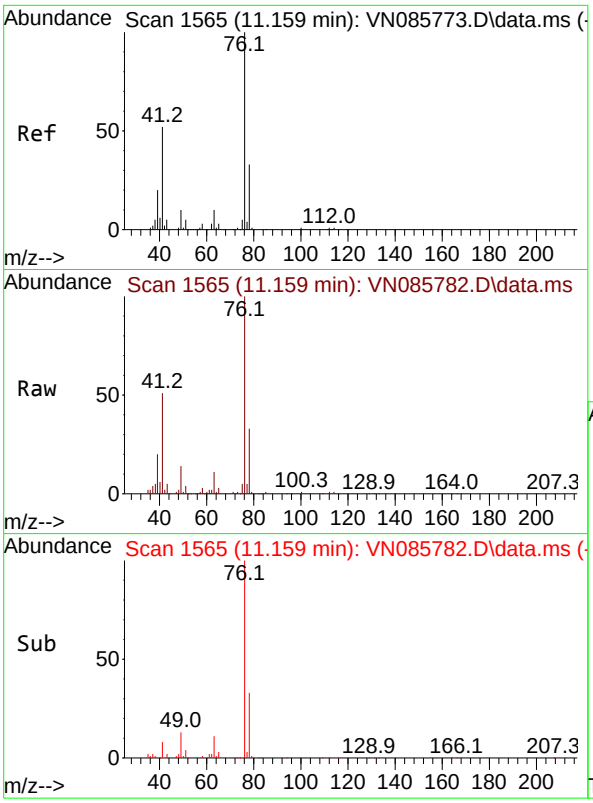


#56
Ethyl methacrylate
Concen: 52.271 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 69 Resp: 283390

Ion	Ratio	Lower	Upper
69	100		
41	59.5	46.0	69.0
39	30.3	22.0	33.0

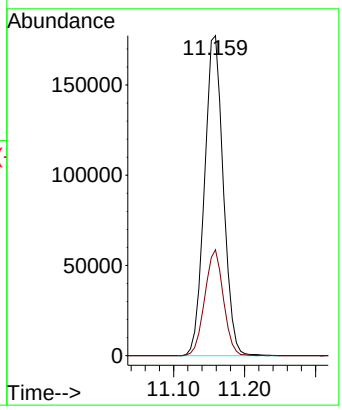




#57
1,3-Dichloropropane
Concen: 52.148 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 76 Resp: 32642

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9



Instrument :
MSVOA_N
ClientSampleId :
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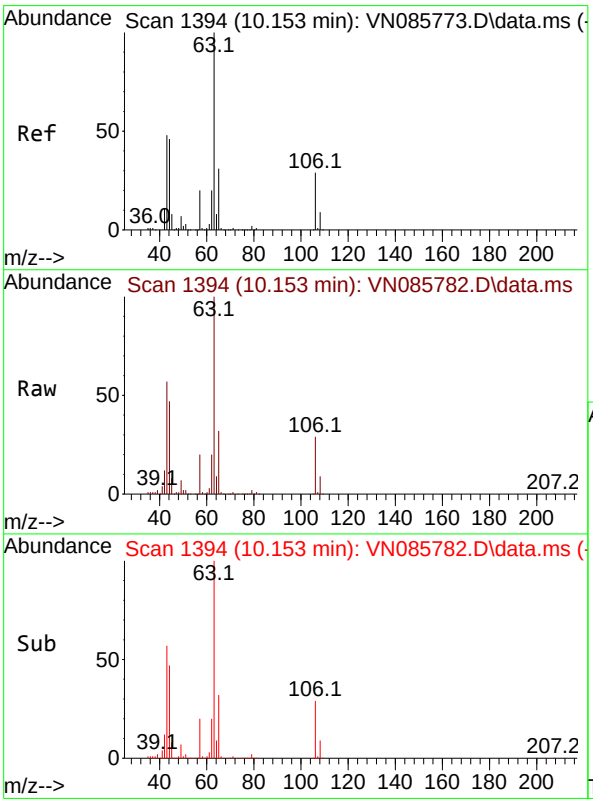
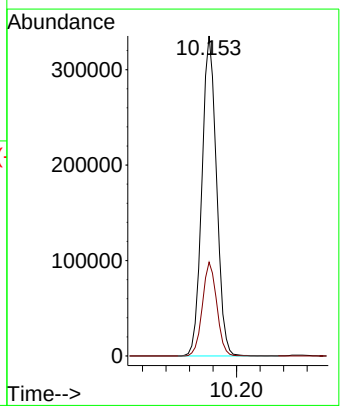
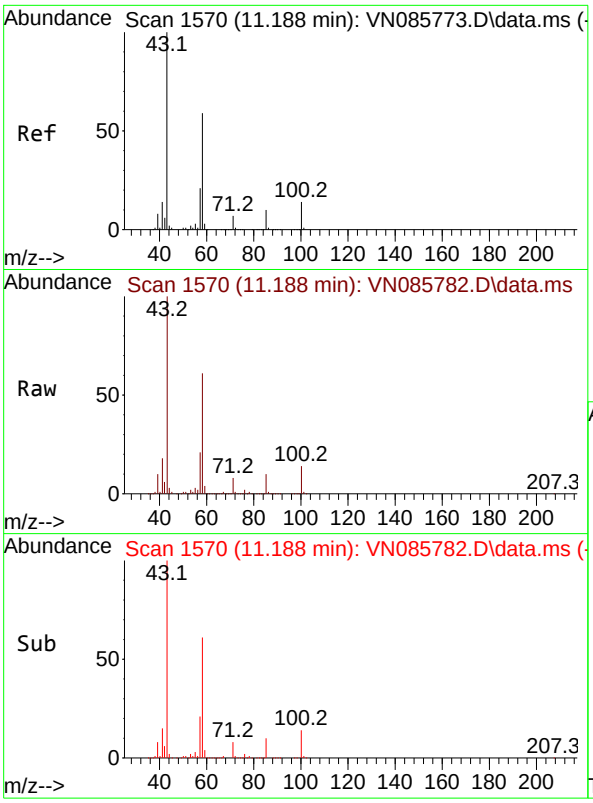


#58
2-Chloroethyl Vinyl ether
Concen: 268.736 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 63 Resp: 578323

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.7	34.1





#59
2-Hexanone
Concen: 278.298 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 76253

Ion	Ratio	Lower	Upper
43	100		
58	60.3	29.8	89.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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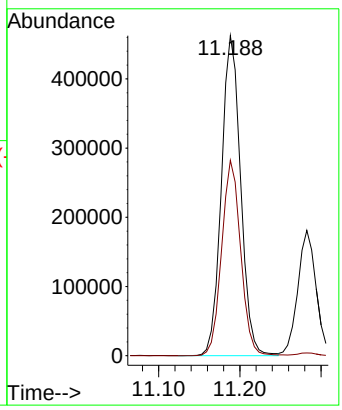
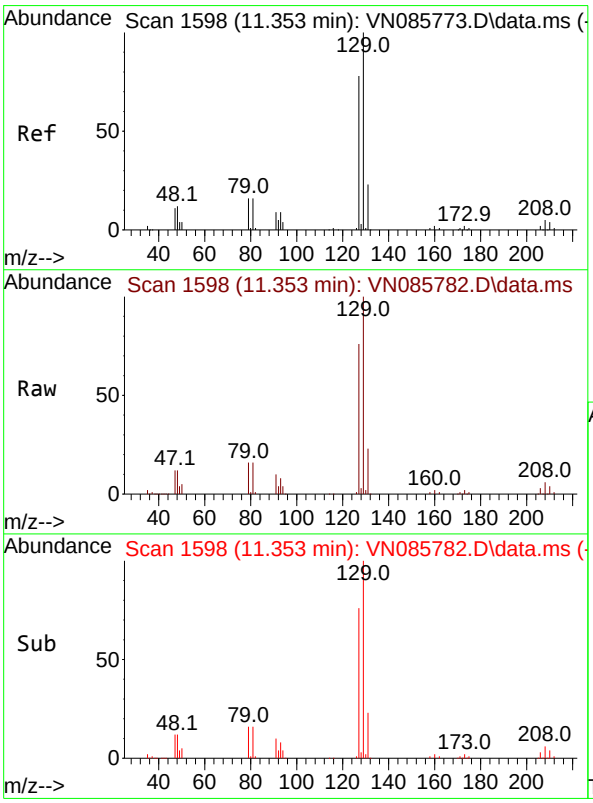
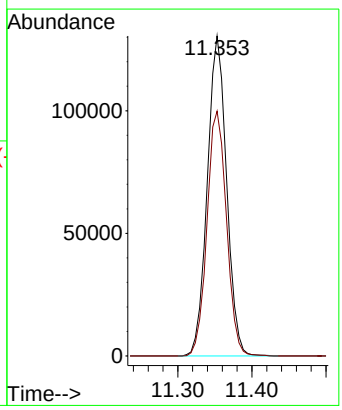


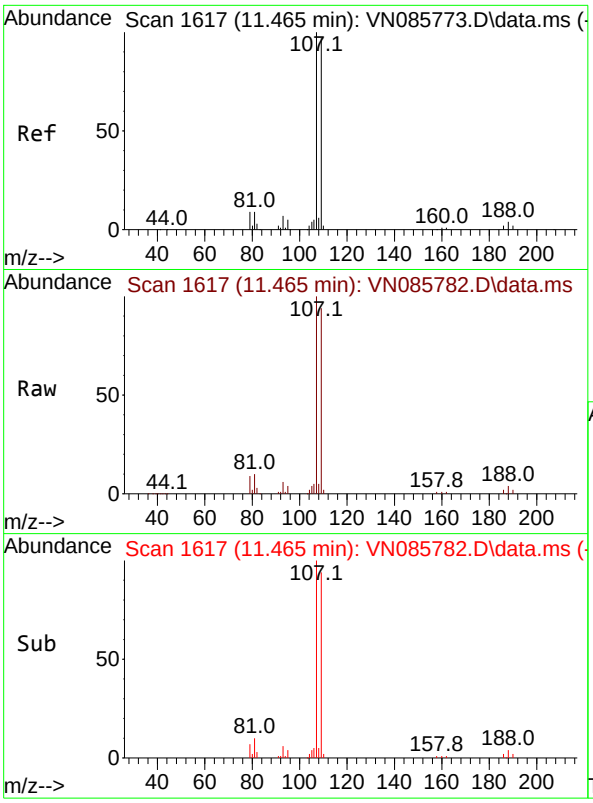


#60
Dibromochloromethane
Concen: 53.975 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:129 Resp: 235675

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.5





#61
1,2-Dibromoethane
Concen: 52.526 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:107 Resp: 18609

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.0	114.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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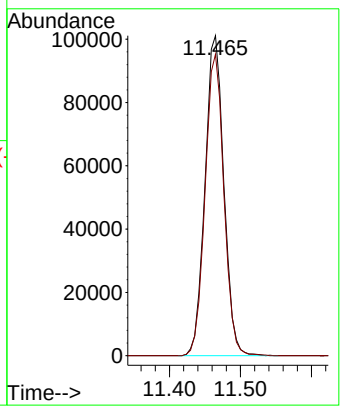
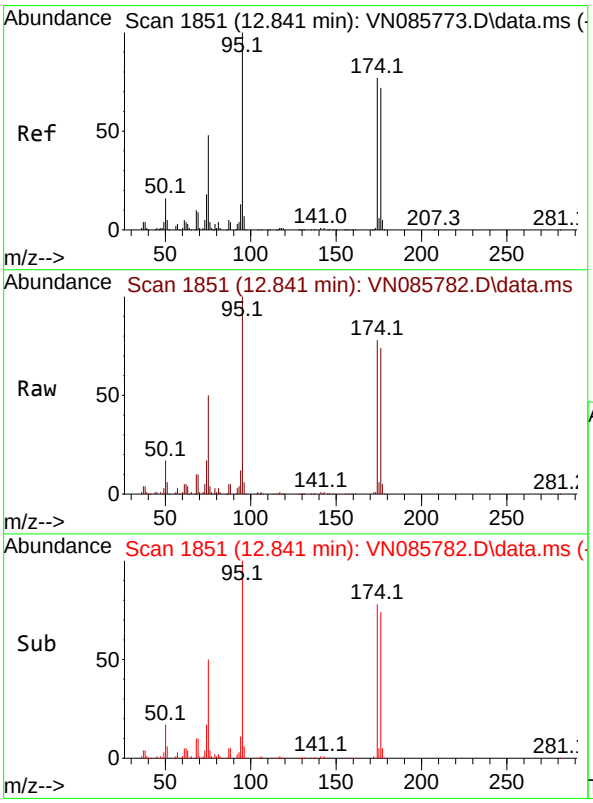
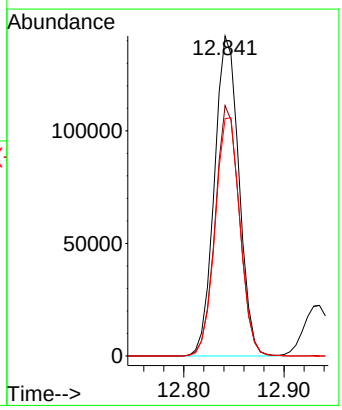


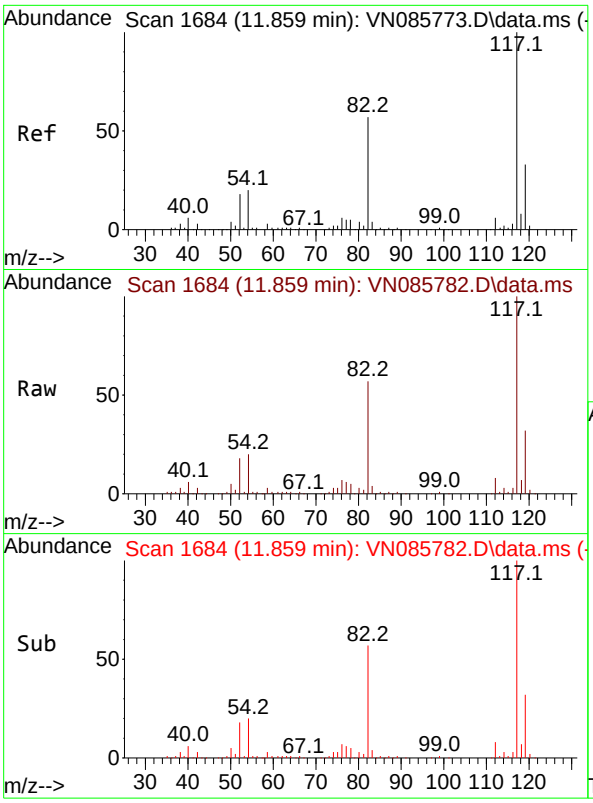


#62
4-Bromofluorobenzene
Concen: 56.798 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 95 Resp: 241495

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	152.4
176	75.3	0.0	146.6

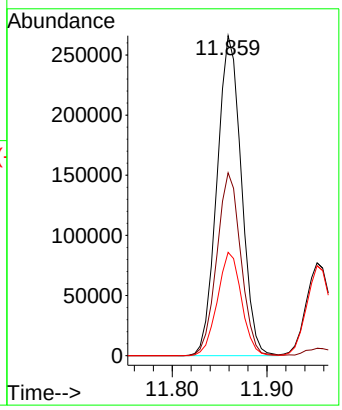




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:117 Resp: 47544

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	32.3	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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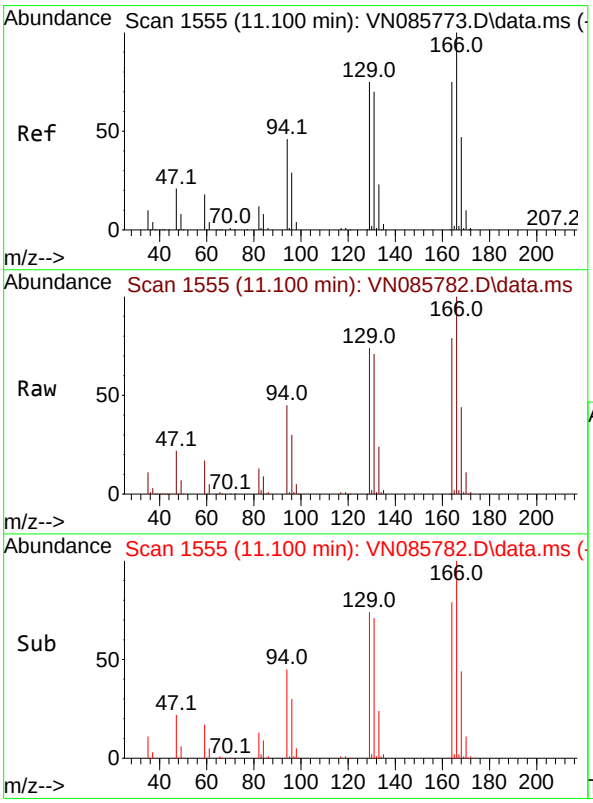
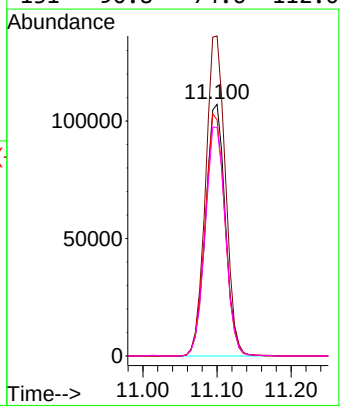
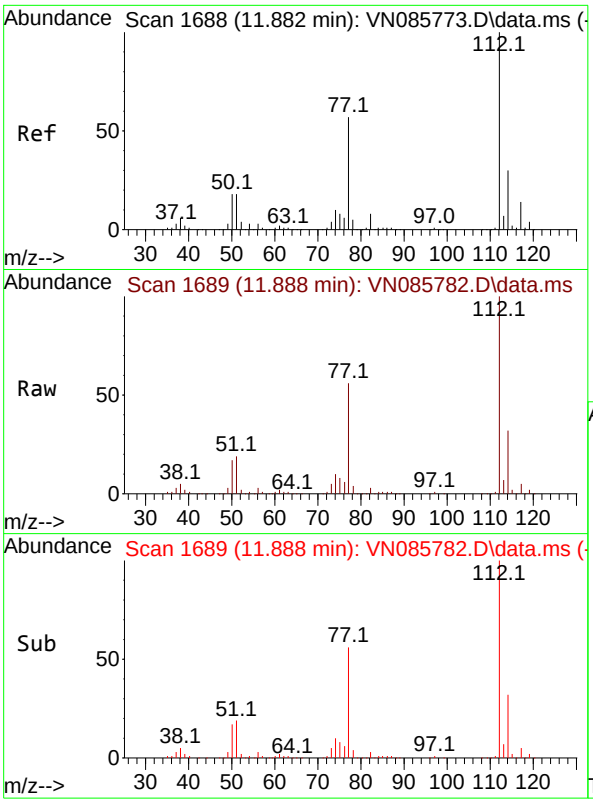


#64
Tetrachloroethene
Concen: 53.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:164 Resp: 197369

Ion	Ratio	Lower	Upper
164	100		
166	127.2	107.2	160.8
129	93.9	80.7	121.1
131	90.8	74.6	112.0

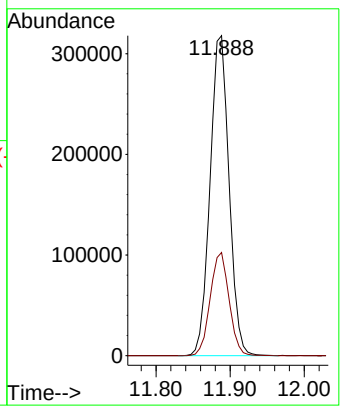




#65
Chlorobenzene
Concen: 51.973 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:112 Resp: 56607

Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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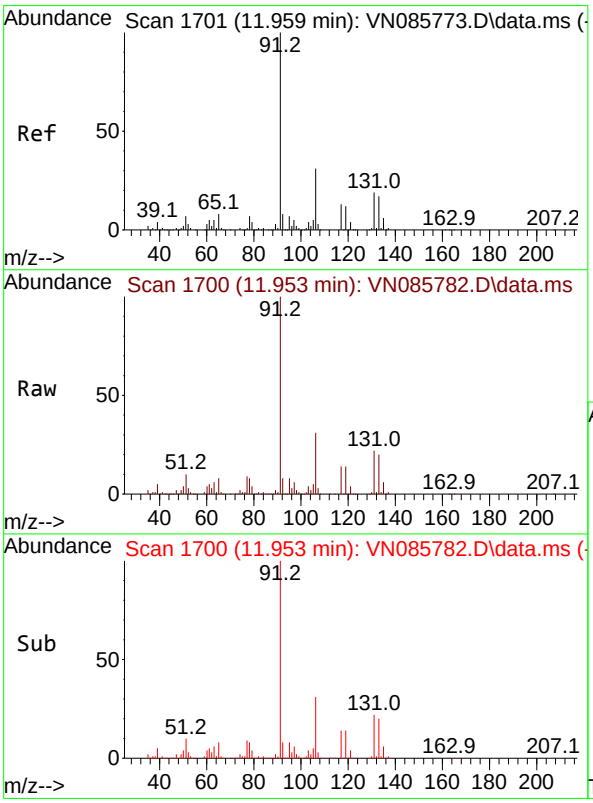
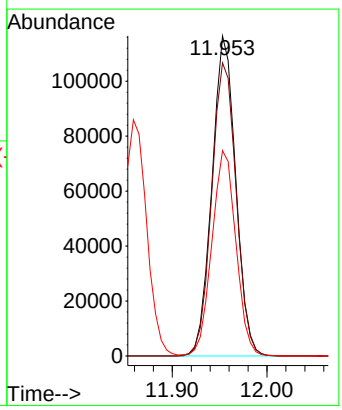
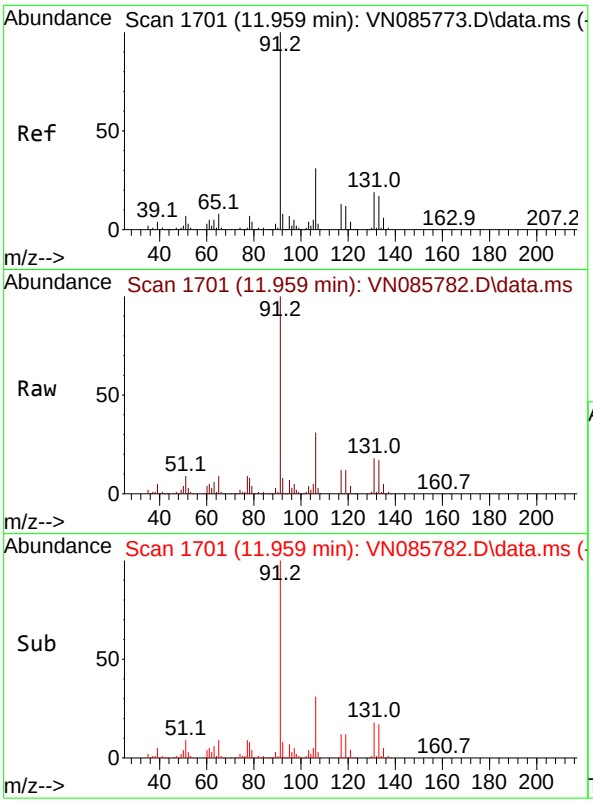


#66
1,1,1,2-Tetrachloroethane
Concen: 51.858 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:131 Resp: 203016

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.7	143.1
119	65.0	33.3	99.8





#67
Ethyl Benzene
Concen: 57.422 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 91 Resp: 97969

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.7	37.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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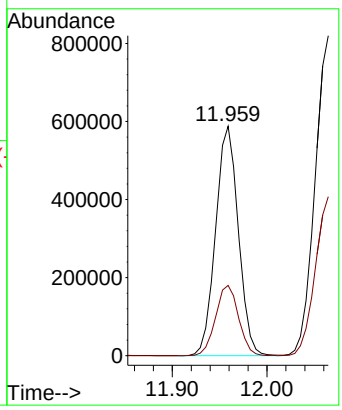
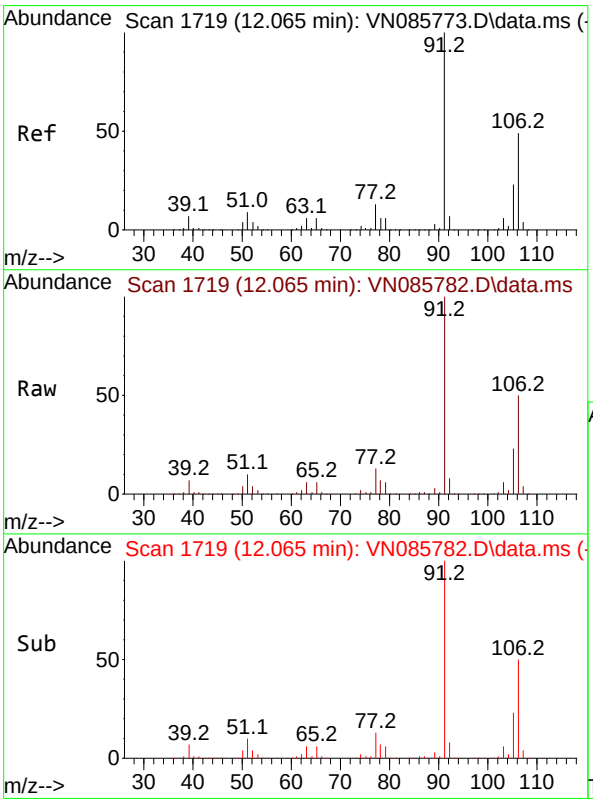
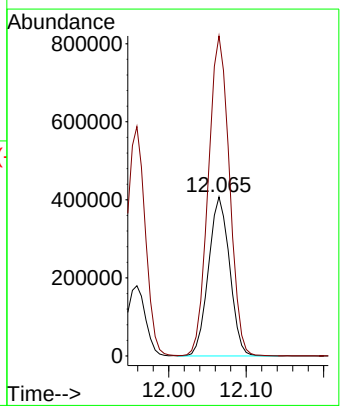


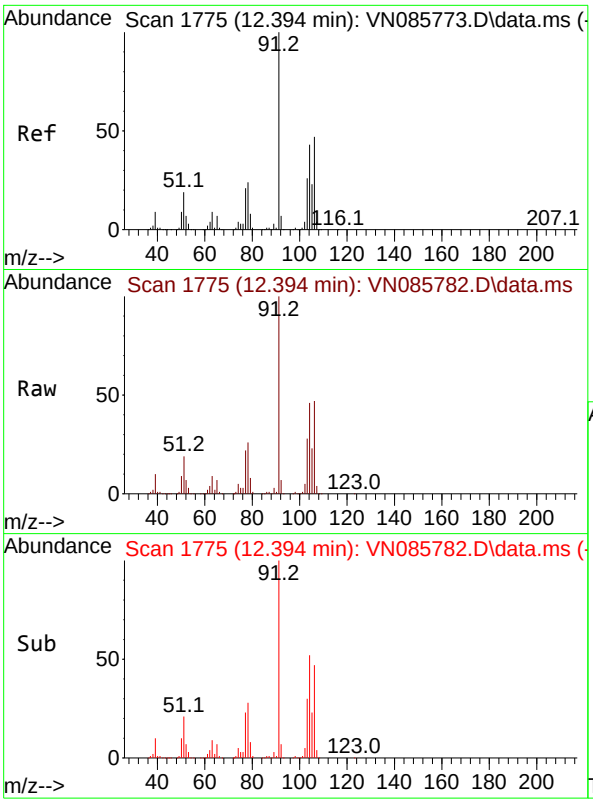


#68
m/p-Xylenes
Concen: 119.029 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:106 Resp: 771390

Ion	Ratio	Lower	Upper
106	100		
91	201.8	163.3	244.9





#69
o-Xylene
Concen: 58.531 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:106 Resp: 36045

Ion	Ratio	Lower	Upper
106	100		
91	214.5	107.1	321.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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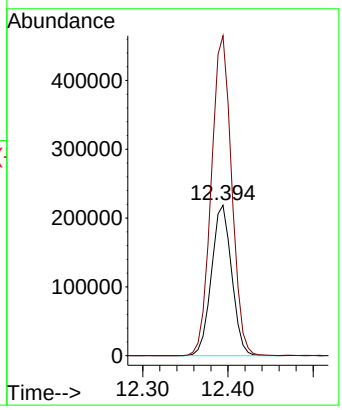
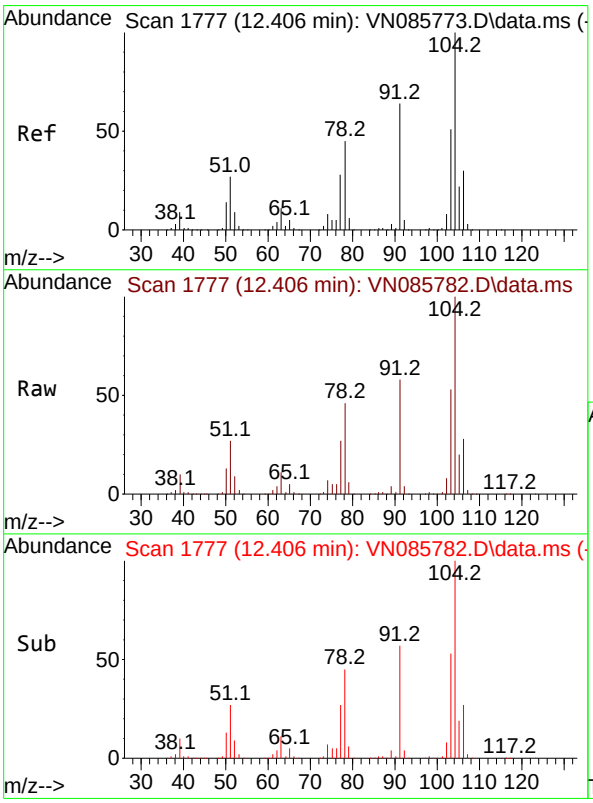
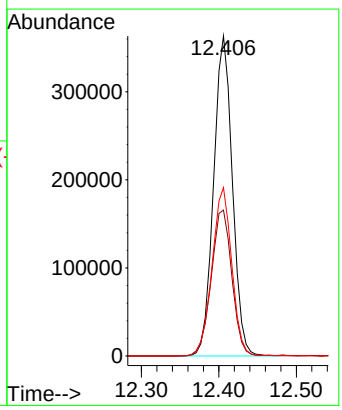


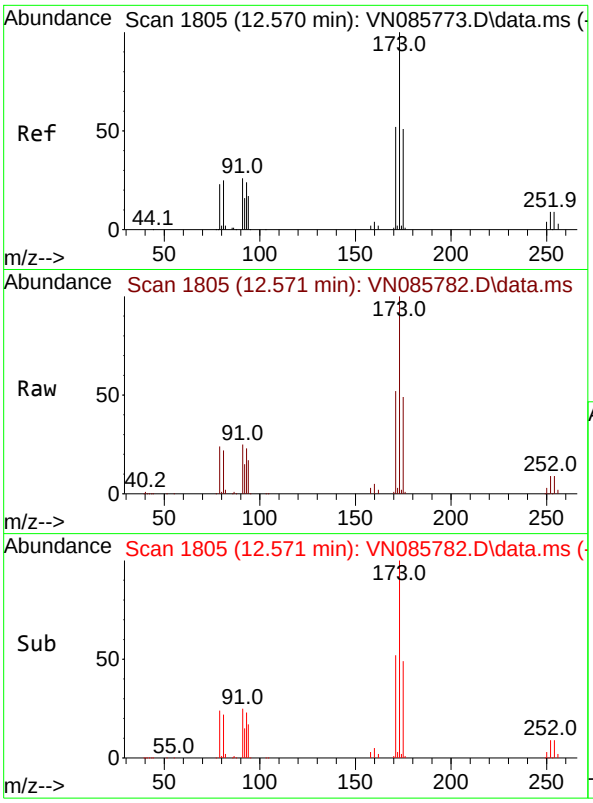


#70
Styrene
Concen: 53.048 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:104 Resp: 611865

Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.0	58.6
103	55.2	43.3	64.9

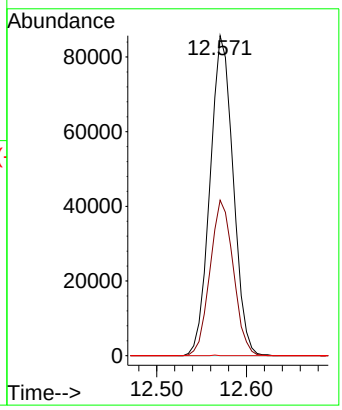




#71
Bromoform
Concen: 52.740 ug/l
RT: 12.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:173 Resp: 15341

Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.1	75.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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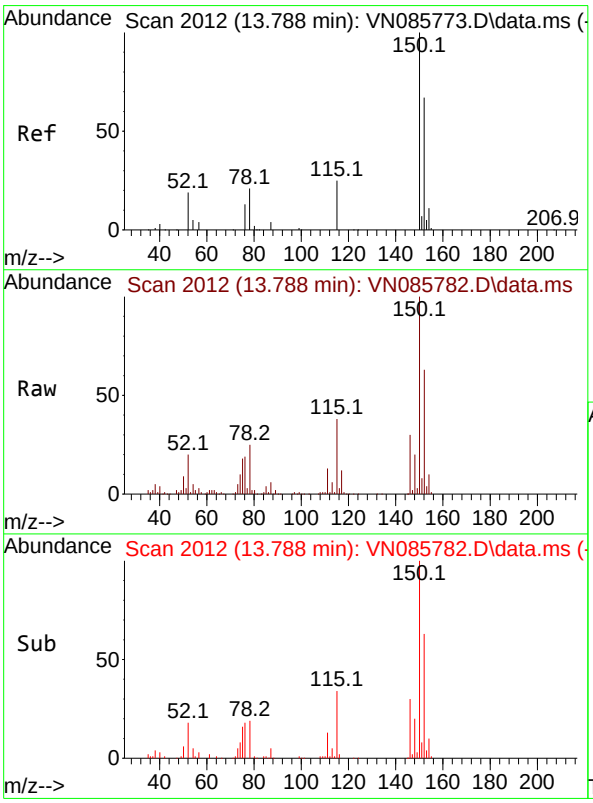
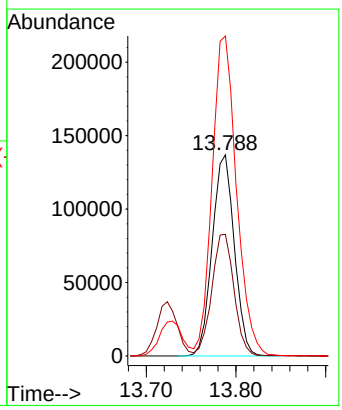
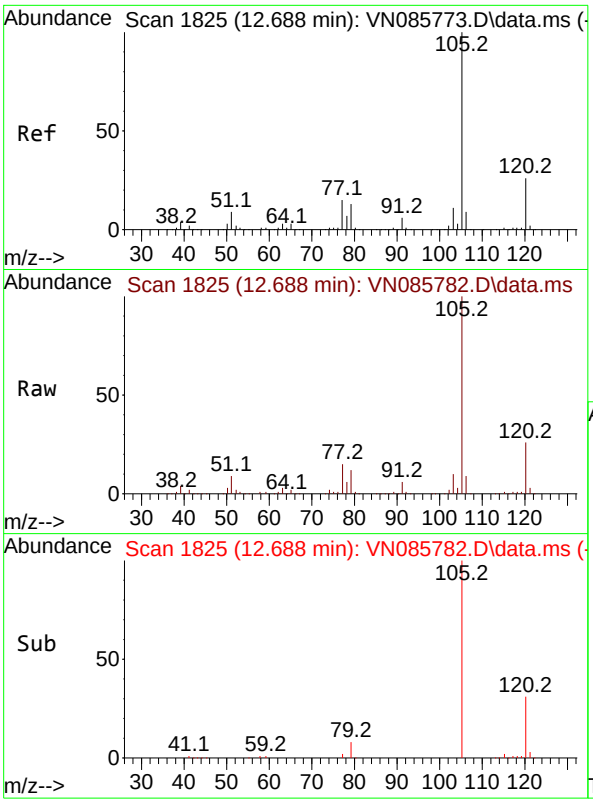


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:152 Resp: 234508

Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.4	91.3
150	175.5	0.0	345.4





#73
Isopropylbenzene
Concen: 57.227 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:105 Resp: 91941

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

Instrument :
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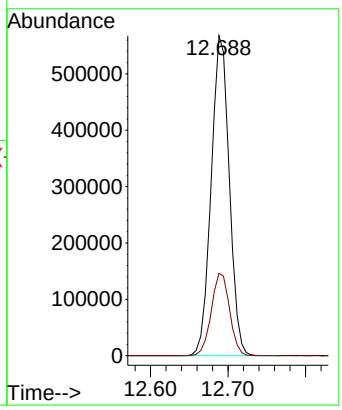
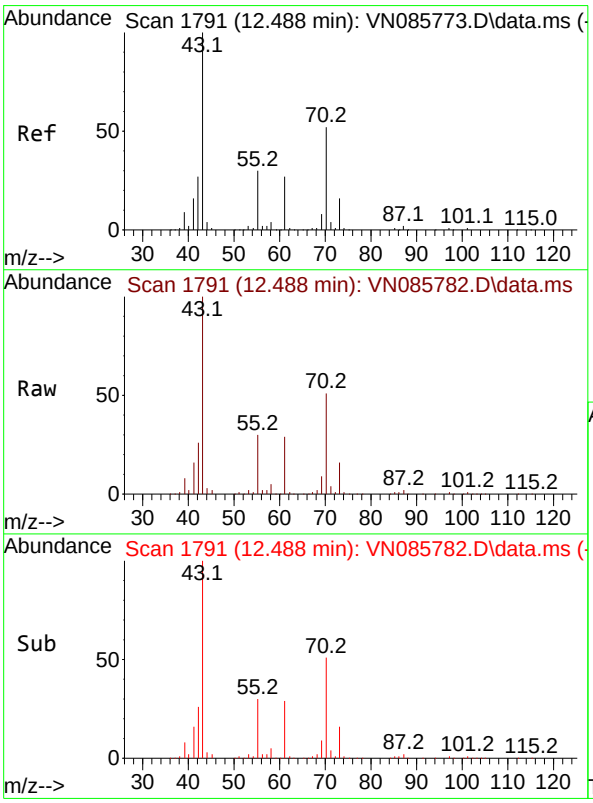
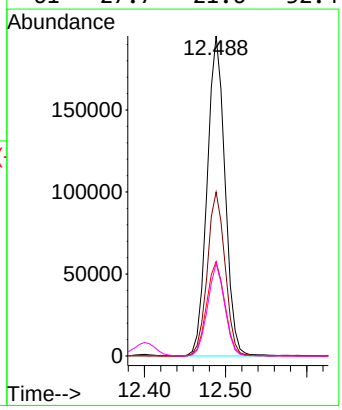


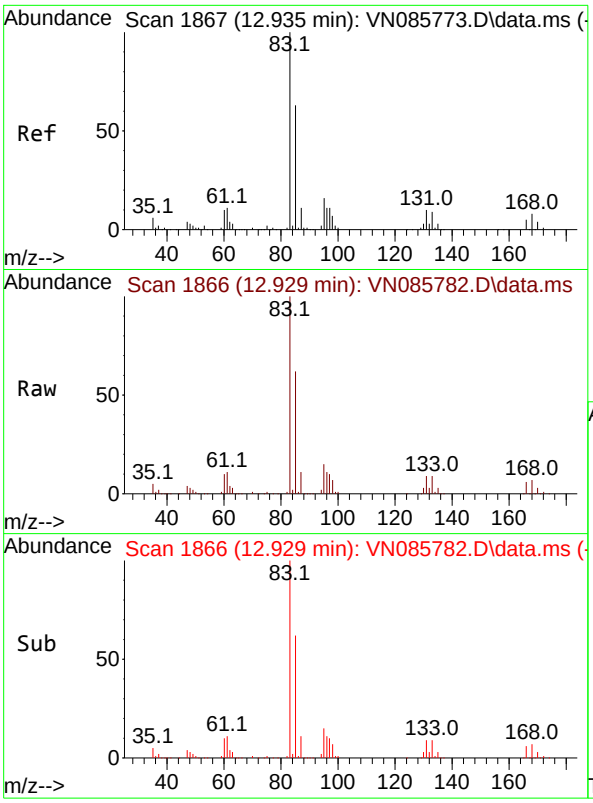


#74
N-amyl acetate
Concen: 52.516 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 297533

Ion	Ratio	Lower	Upper
43	100		
70	50.7	41.0	61.4
55	30.2	24.6	36.8
61	27.7	21.6	32.4





#75
1,1,2,2-Tetrachloroethane
Concen: 44.880 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 83 Resp: 24812

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	63.5	32.2	96.6

Instrument :
MSVOA_N
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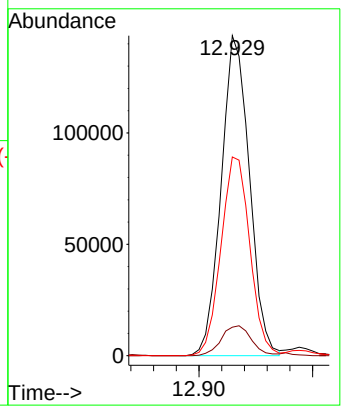
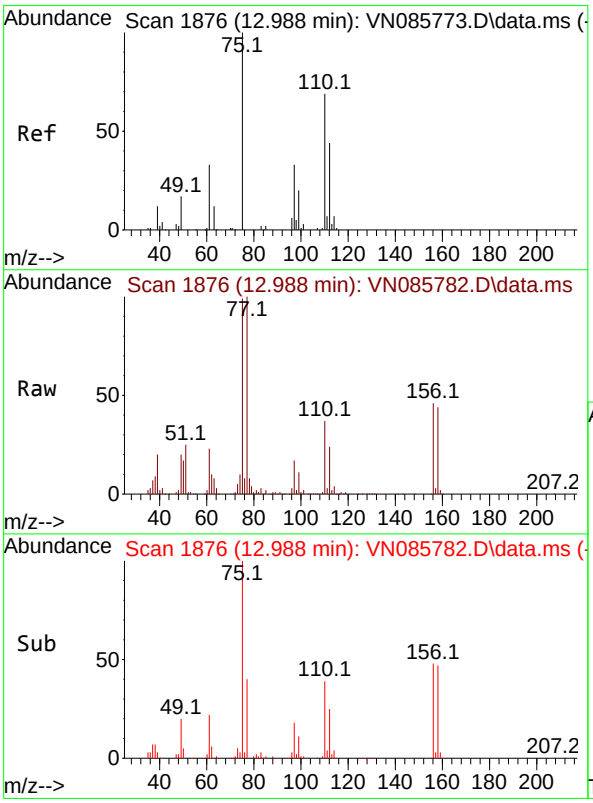
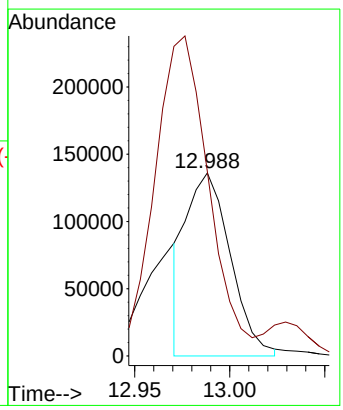


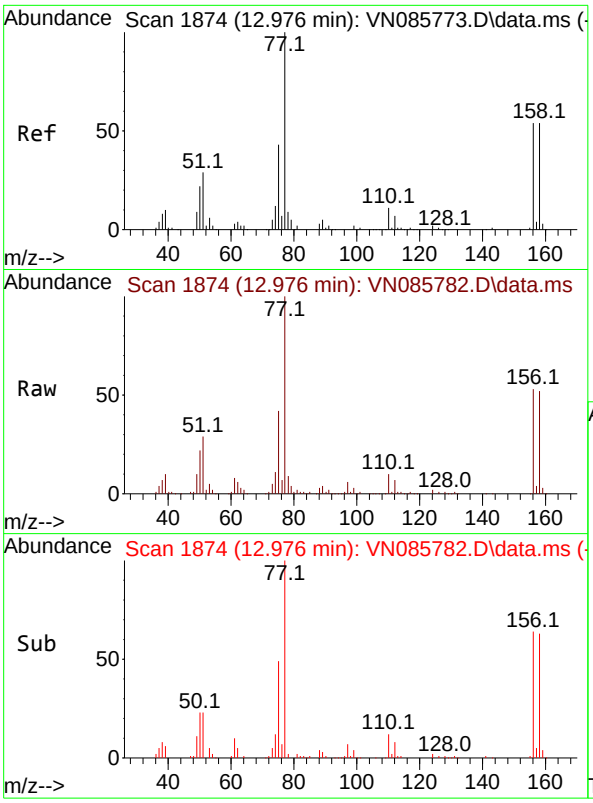


#76
1,2,3-Trichloropropane
Concen: 42.244 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 220059

Ion	Ratio	Lower	Upper
75	100		
77	214.2	100.0	300.0

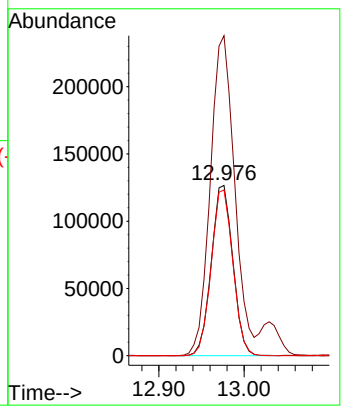




#77
Bromobenzene
Concen: 51.487 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:156 Resp: 22348

Ion	Ratio	Lower	Upper
156	100		
77	210.9	104.1	312.3
158	97.5	48.1	144.4



Instrument :
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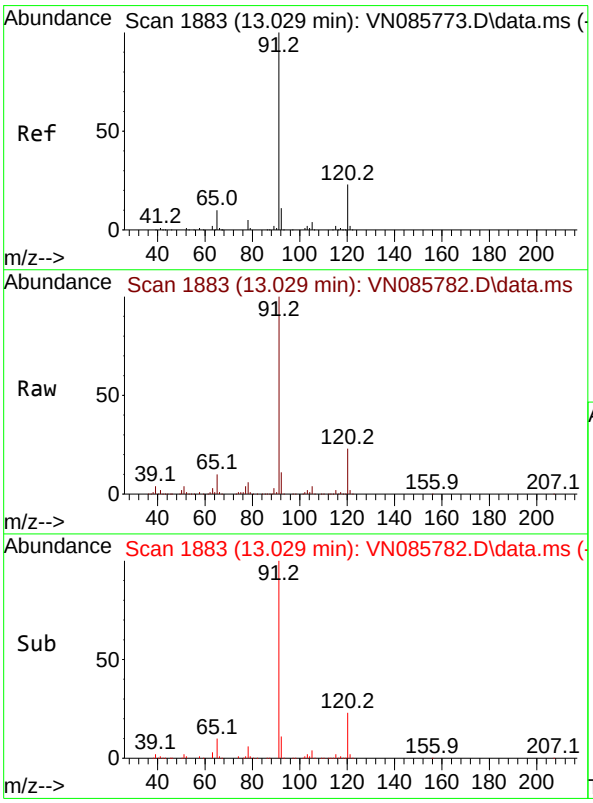
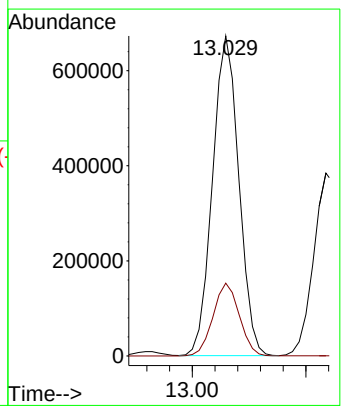
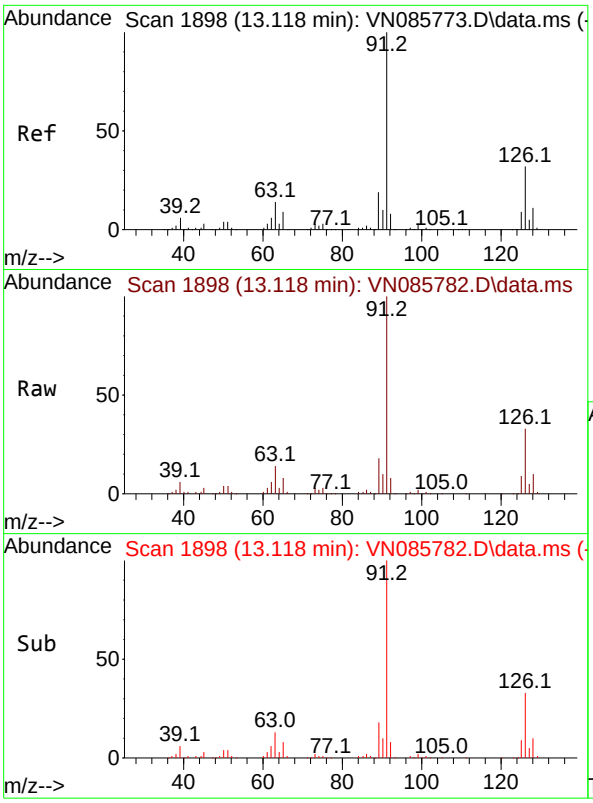


#78
n-propylbenzene
Concen: 58.766 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 91 Resp: 1081269

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8





#79
2-Chlorotoluene
Concen: 54.088 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 91 Resp: 66493

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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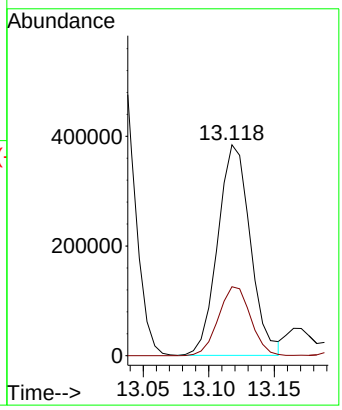
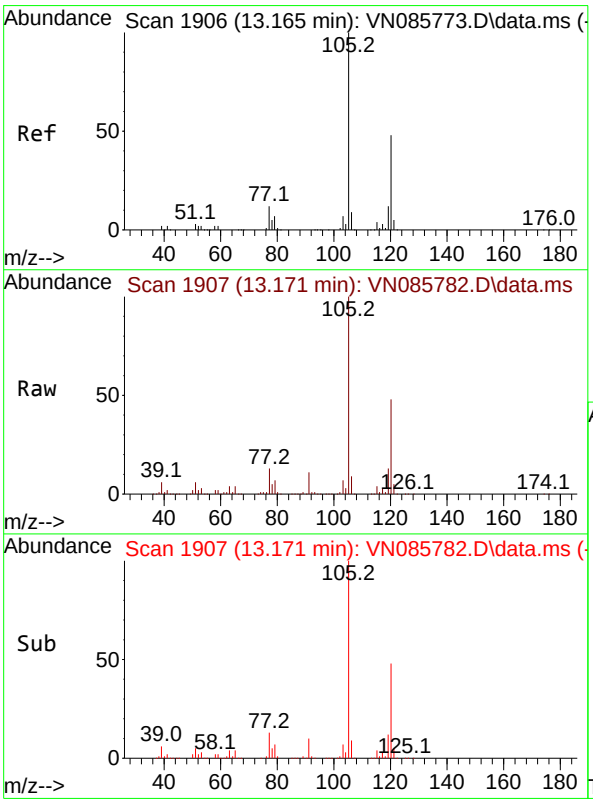
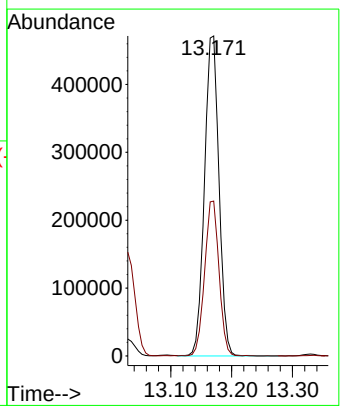


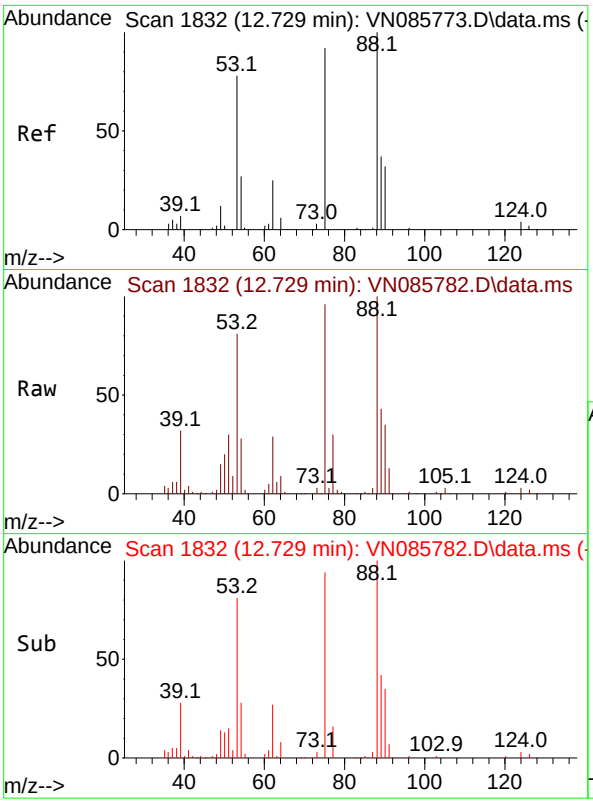


#80
1,3,5-Trimethylbenzene
Concen: 59.635 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:105 Resp: 780468

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	72.9

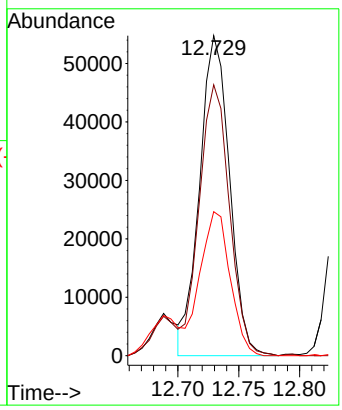




#81
trans-1,4-Dichloro-2-butene
Concen: 52.313 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 9339

Ion	Ratio	Lower	Upper
75	100		
53	86.2	74.2	111.4
89	44.8	34.9	52.3



Instrument :
MSVOA_N
ClientSampleId :
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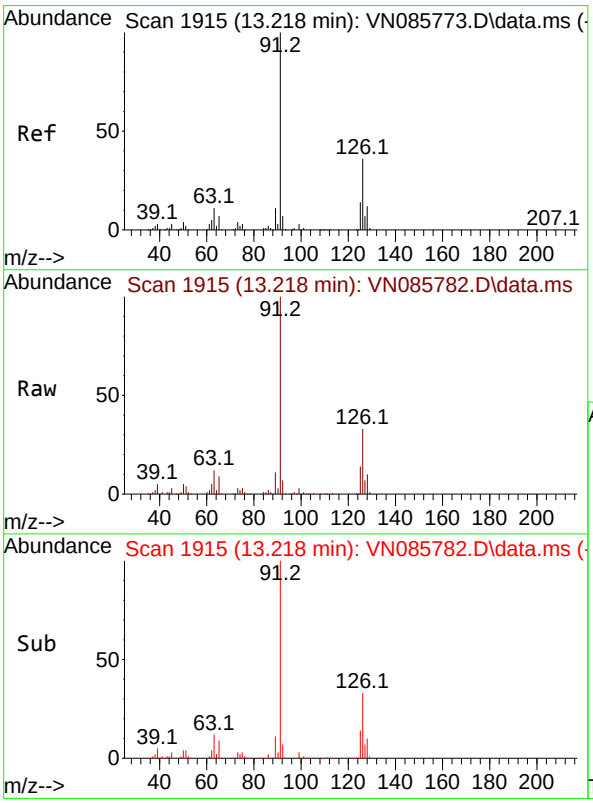
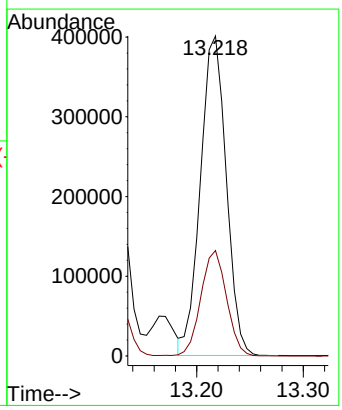
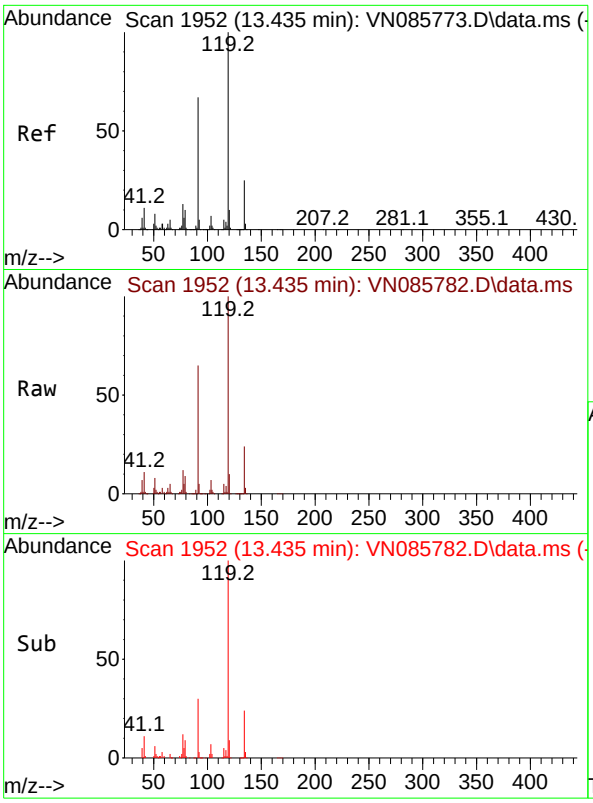


#82
4-Chlorotoluene
Concen: 55.443 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 91 Resp: 675694

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

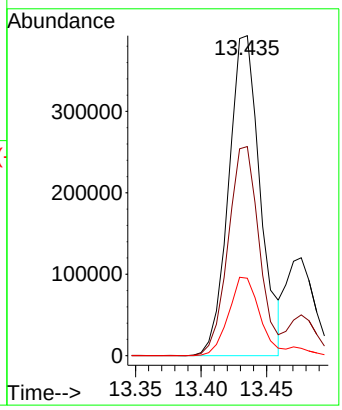




#83
tert-Butylbenzene
Concen: 59.805 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:119 Resp: 65817

Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.5	97.5
134	24.4	13.3	39.9



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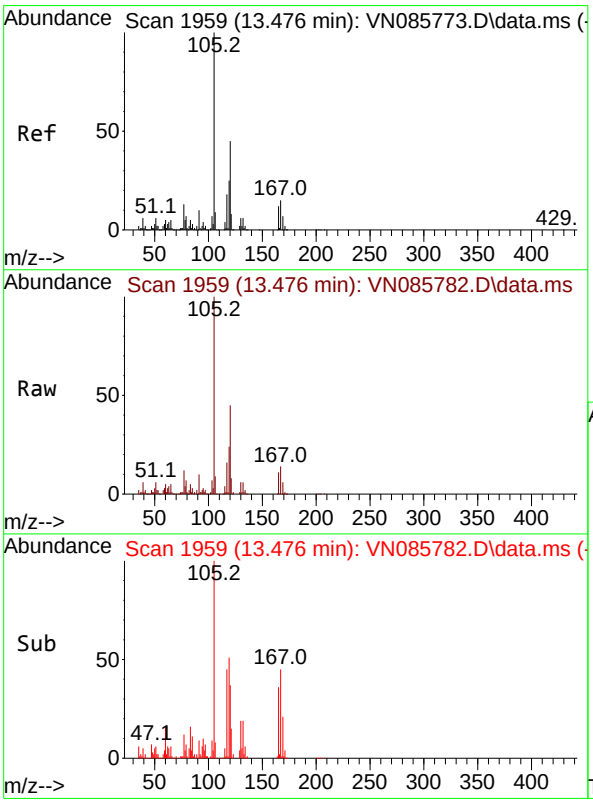
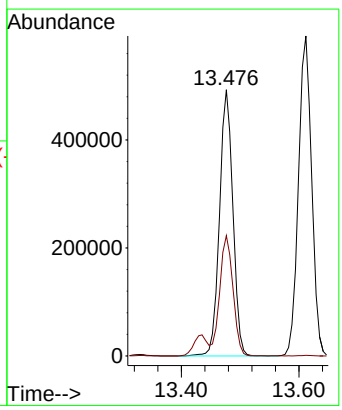
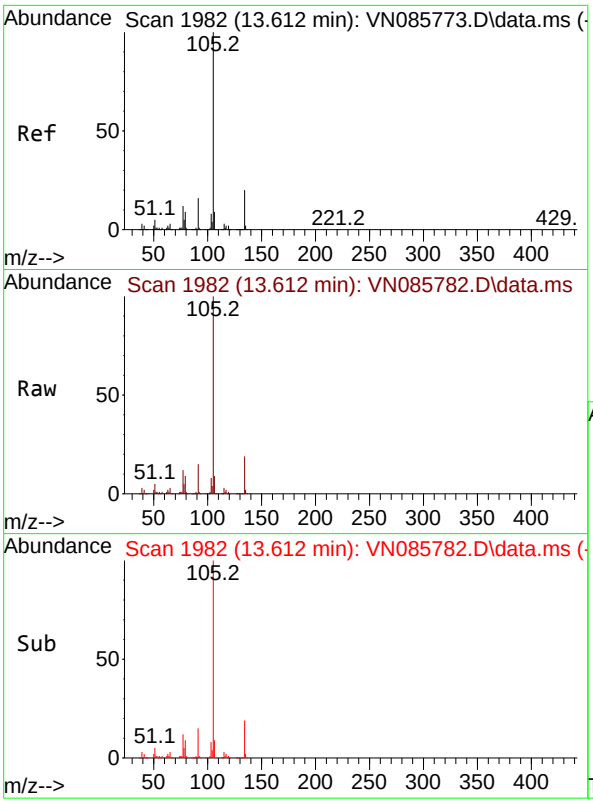


#84
1,2,4-Trimethylbenzene
Concen: 60.149 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:105 Resp: 778821

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3

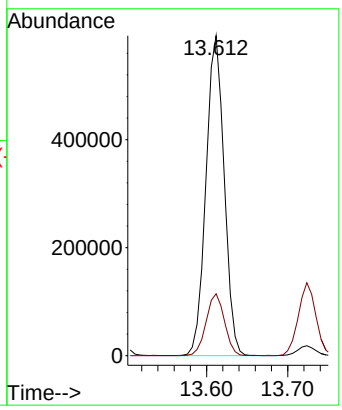




#85
sec-Butylbenzene
Concen: 59.326 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:105 Resp: 92248

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
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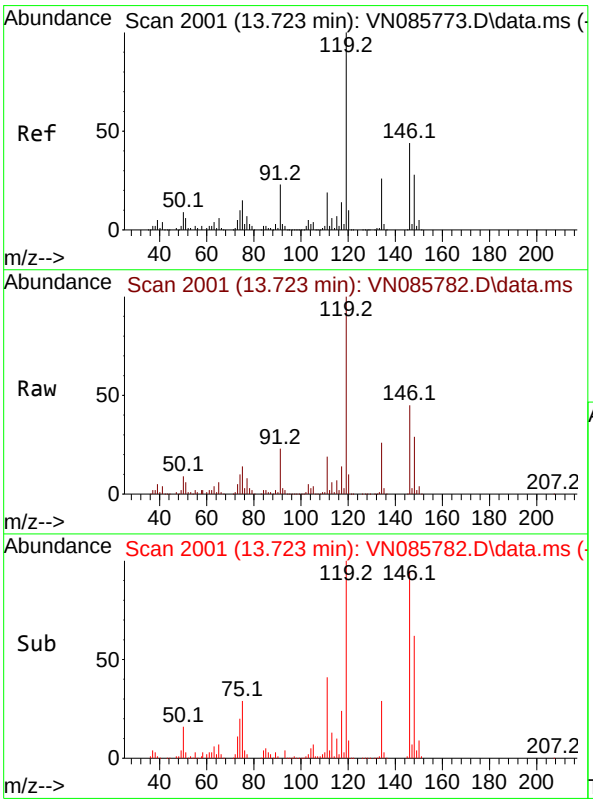
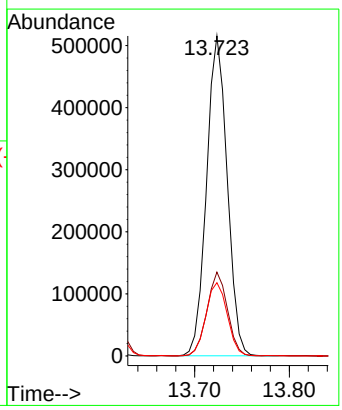
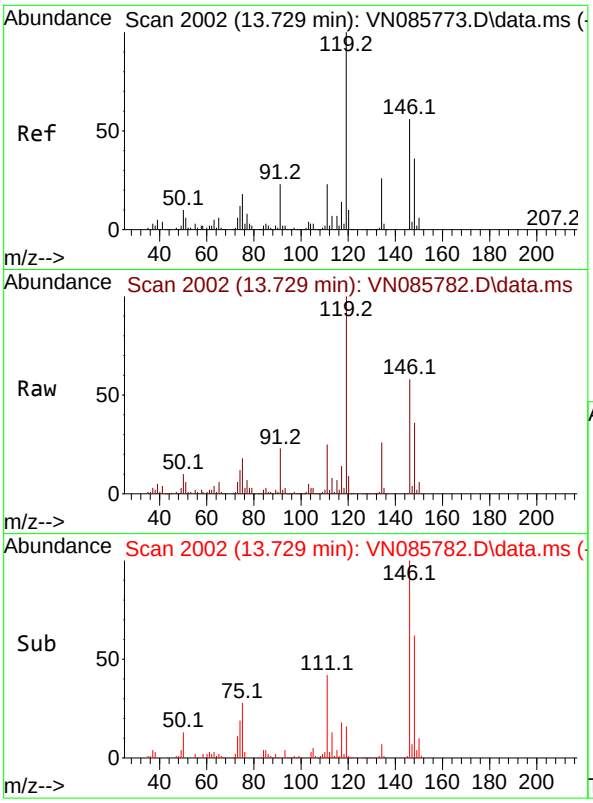


#86
p-Isopropyltoluene
Concen: 54.162 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:119 Resp: 777520

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.6	11.7	35.1

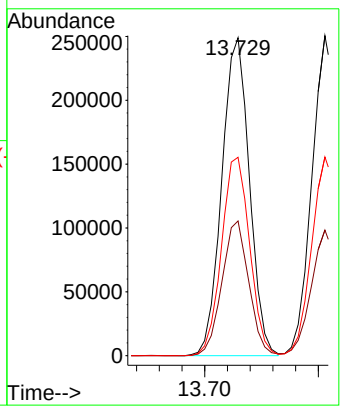




#87
1,3-Dichlorobenzene
Concen: 51.645 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:146 Resp: 41999

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	63.7	32.1	96.5



Instrument :
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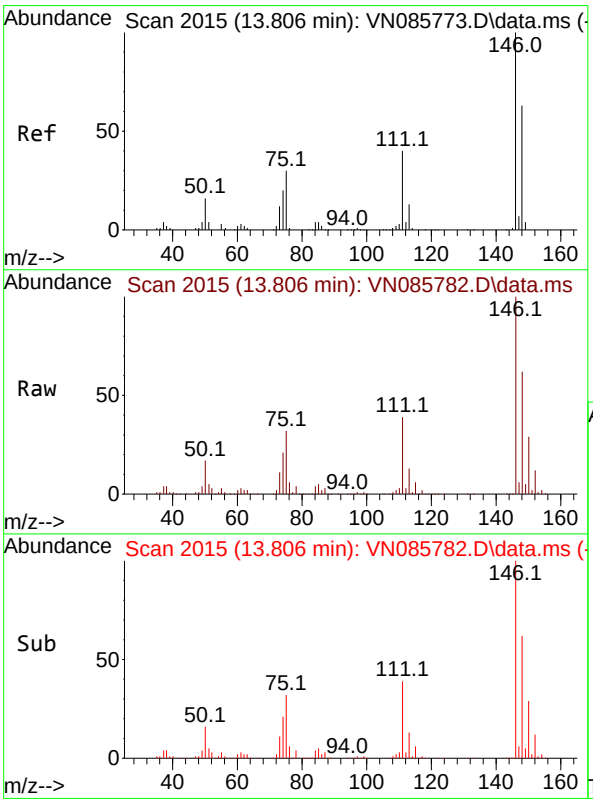
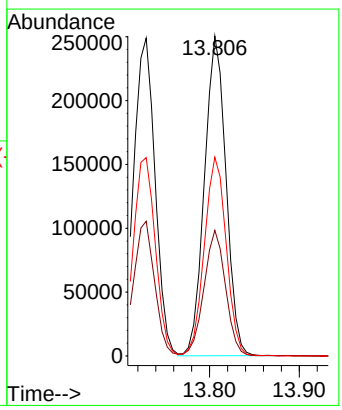
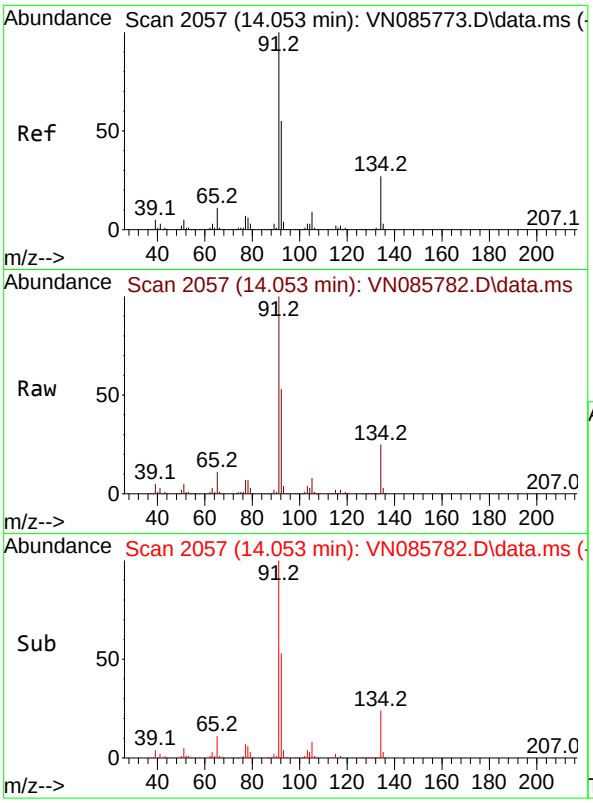


#88
1,4-Dichlorobenzene
Concen: 49.992 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:146 Resp: 416682

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.4	61.3
148	63.5	31.8	95.4

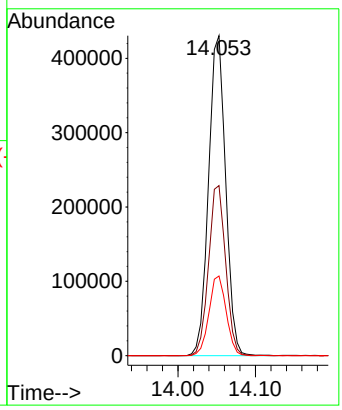




#89
n-Butylbenzene
Concen: 59.684 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 91 Resp: 65890

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.1	81.3
134	25.1	12.7	38.1



Instrument :
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ClientSampleId :
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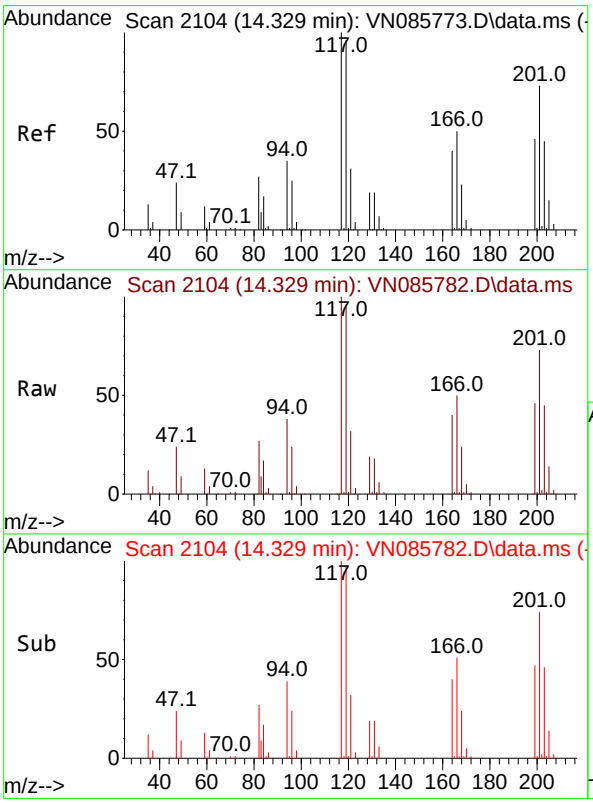
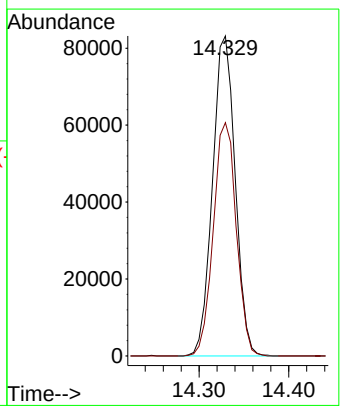
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

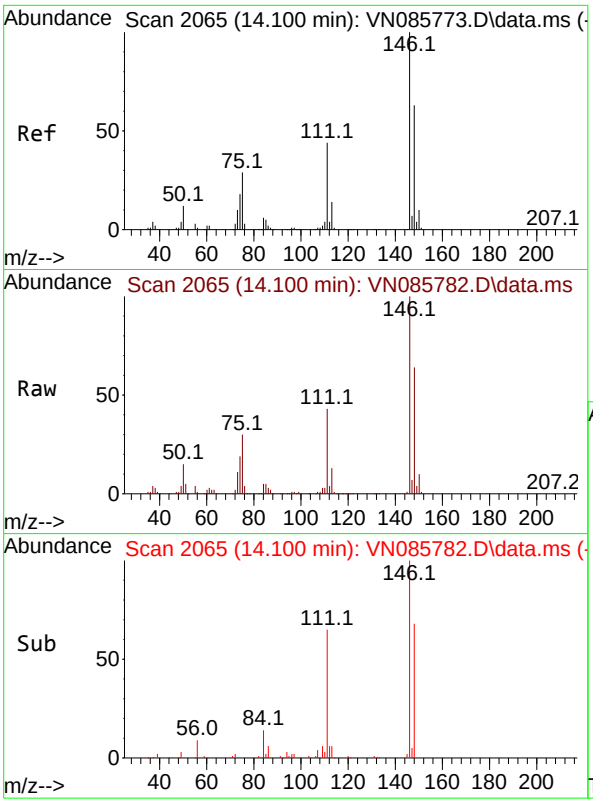


#90
Hexachloroethane
Concen: 49.529 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:117 Resp: 145854

Ion	Ratio	Lower	Upper
117	100		
201	73.9	35.6	106.9

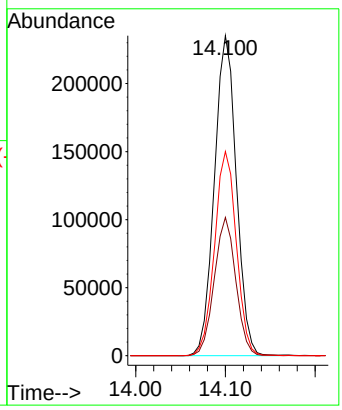




#91
1,2-Dichlorobenzene
Concen: 51.099 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:146 Resp: 39959

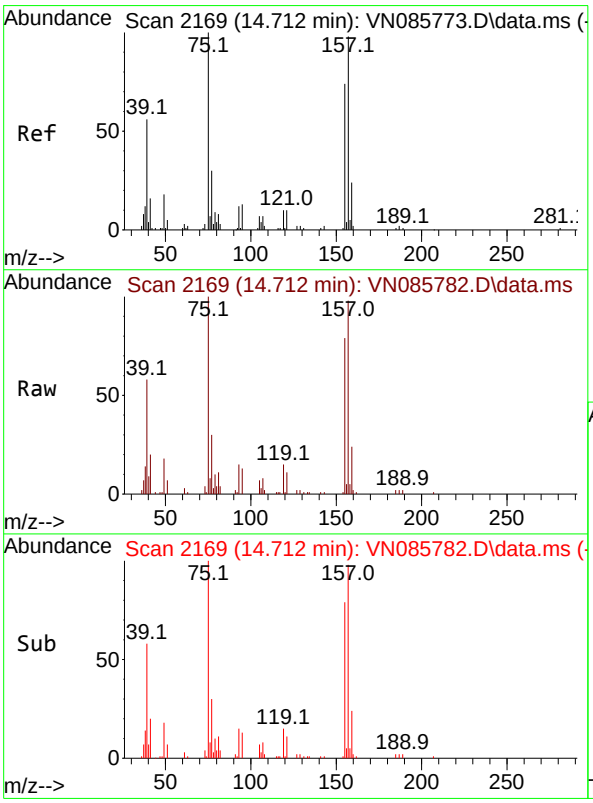
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	63.4	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

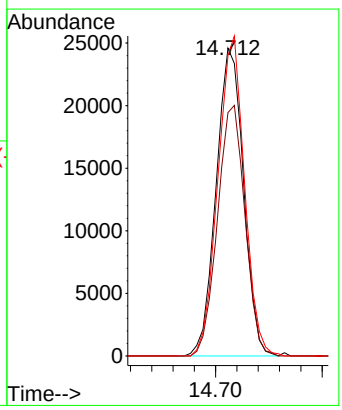
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

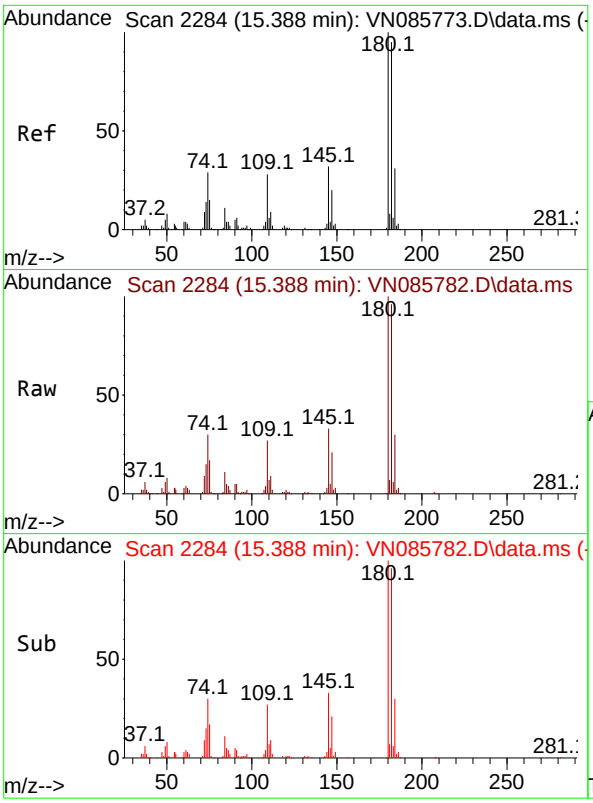


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.220 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 43877

Ion	Ratio	Lower	Upper
75	100		
155	81.5	39.9	119.6
157	100.6	49.9	149.7

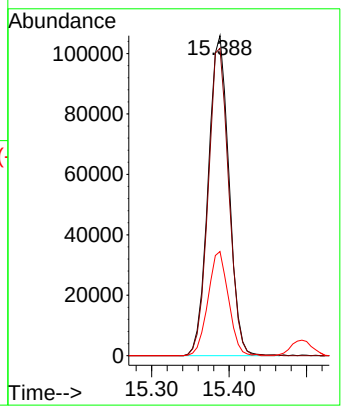




#93
1,2,4-Trichlorobenzene
Concen: 52.761 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:180 Resp: 19660

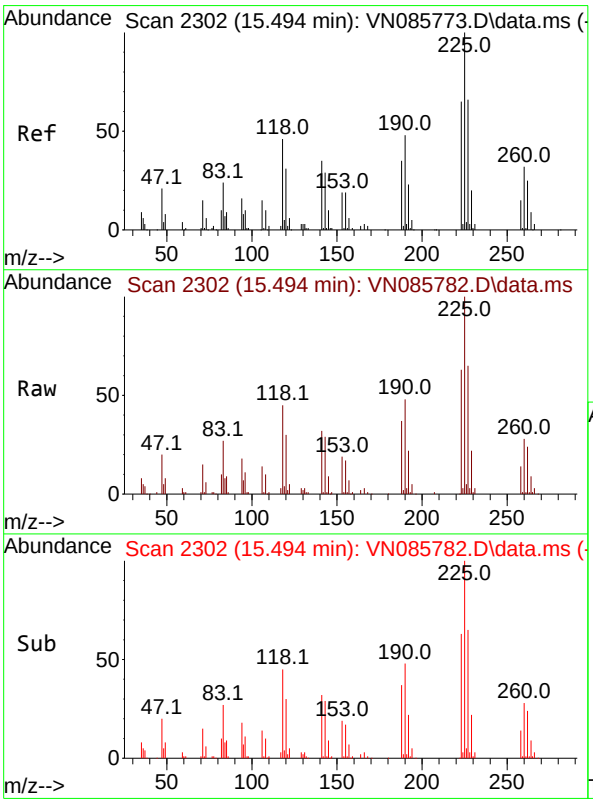
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	32.2	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

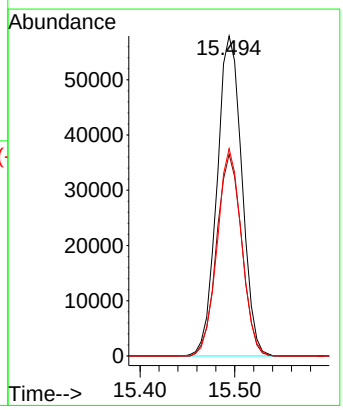
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

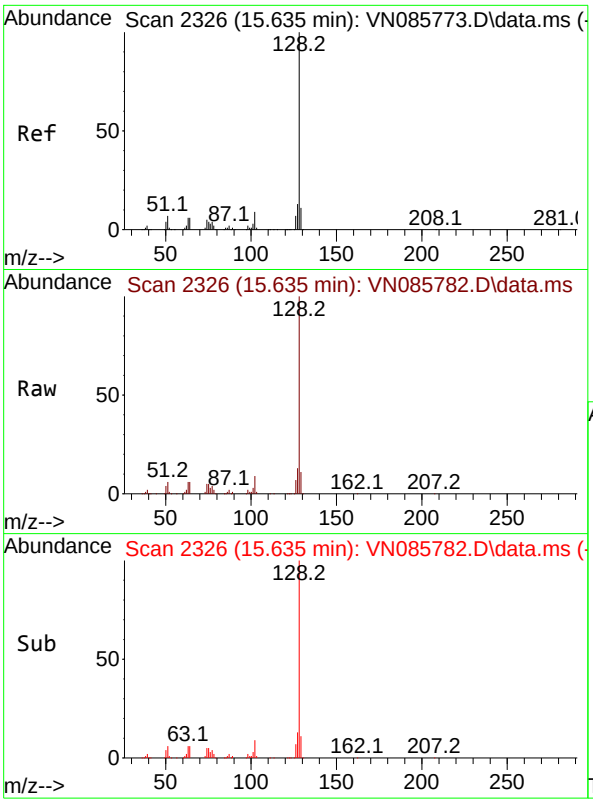


#94
Hexachlorobutadiene
Concen: 46.692 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:225 Resp: 105741

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	63.5	32.2	96.6

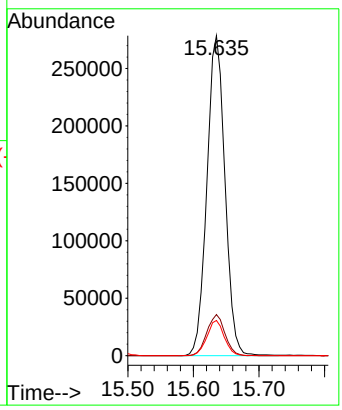




#95
Naphthalene
Concen: 52.080 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:128 Resp: 53278

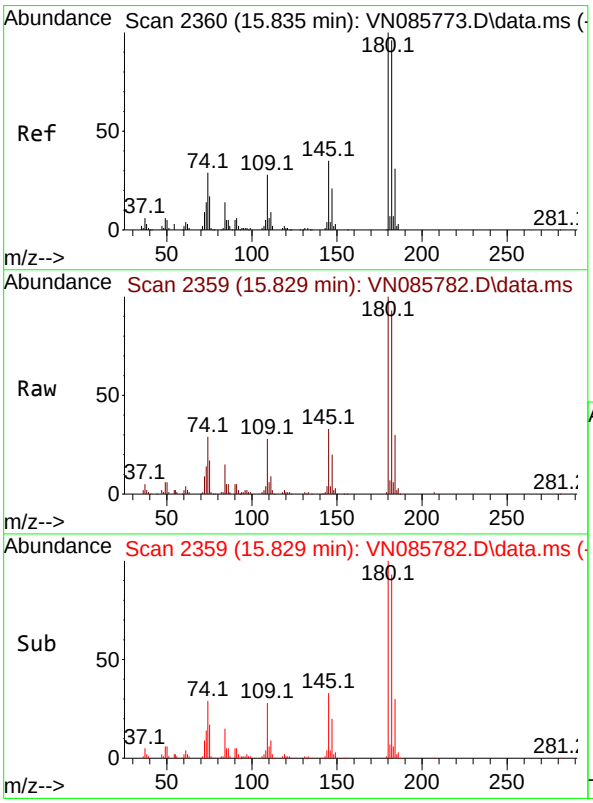
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

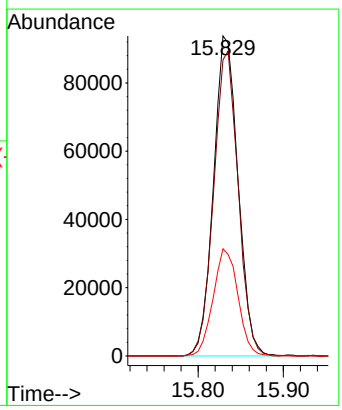
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.111 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:180 Resp: 187463

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	33.8	16.9	50.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.680	0.689	-1.3	108	0.00
3	P	Chloromethane	0.682	0.646	5.3	109	0.00
4	C	Vinyl Chloride	0.723	0.697	3.6#	108	0.00
5	T	Bromomethane	0.462	0.446	3.5	111	0.00
6	T	Chloroethane	0.479	0.437	8.8	110	0.00
7	T	Trichlorofluoromethane	1.046	1.027	1.8	113	0.00
8	T	Diethyl Ether	0.339	0.340	-0.3	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.611	-1.0	114	0.00
10	T	Methyl Iodide	0.745	0.753	-1.1	110	0.00
11	T	Tert butyl alcohol	0.080	0.072	10.0	96	0.00
12	CM	1,1-Dichloroethene	0.548	0.559	-2.0#	111	0.00
13	T	Acrolein	0.118	0.097	17.8	81	0.00
14	T	Allyl chloride	0.720	0.730	-1.4	111	0.00
15	T	Acrylonitrile	0.259	0.247	4.6	106	0.00
16	T	Acetone	0.205	0.226	-10.2	129	0.00
17	T	Carbon Disulfide	1.625	1.544	5.0	110	0.00
18	T	Methyl Acetate	0.705	0.632	10.4	107	0.00
19	T	Methyl tert-butyl Ether	1.629	1.743	-7.0	110	0.00
20	T	Methylene Chloride	0.660	0.628	4.8	111	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.594	-0.7	114	0.00
22	T	Diisopropyl ether	1.627	1.743	-7.1	112	0.00
23	T	Vinyl Acetate	1.114	1.165	-4.6	110	0.00
24	P	1,1-Dichloroethane	1.106	1.094	1.1	111	0.00
25	T	2-Butanone	0.302	0.308	-2.0	110	0.00
26	T	2,2-Dichloropropane	0.983	0.992	-0.9	110	0.00
27	T	cis-1,2-Dichloroethene	0.685	0.703	-2.6	112	0.00
28	T	Bromochloromethane	0.454	0.529	-16.5	125	0.00
29	T	Tetrahydrofuran	0.195	0.195	0.0	105	0.00
30	C	Chloroform	1.156	1.135	1.8#	112	0.00
31	T	Cyclohexane	0.926	0.894	3.5	109	0.00
32	T	1,1,1-Trichloroethane	1.028	1.025	0.3	111	0.00
33	S	1,2-Dichloroethane-d4	0.648	0.646	0.3	111	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.327	0.346	-5.8	112	0.00
36	T	1,1-Dichloropropene	0.463	0.499	-7.8	112	0.00
37	T	Ethyl Acetate	0.381	0.376	1.3	103	0.00
38	T	Carbon Tetrachloride	0.550	0.568	-3.3	111	0.00
39	T	Methylcyclohexane	0.455	0.542	-19.1	113	0.00
40	TM	Benzene	1.484	1.556	-4.9	111	0.00
41	T	Methacrylonitrile	0.204	0.213	-4.4	102	0.00
42	TM	1,2-Dichloroethane	0.483	0.496	-2.7	112	0.00
43	T	Isopropyl Acetate	0.807	0.662	18.0	107	0.00
44	TM	Trichloroethene	0.364	0.377	-3.6	114	0.00
45	C	1,2-Dichloropropane	0.358	0.379	-5.9#	112	0.00
46	T	Dibromomethane	0.253	0.258	-2.0	109	0.00
47	T	Bromodichloromethane	0.541	0.561	-3.7	111	0.00
48	T	Methyl methacrylate	0.283	0.310	-9.5	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.006	-20.0	102	0.00
50	S	Toluene-d8	1.190	1.302	-9.4	112	0.00
51	T	4-Methyl-2-Pentanone	0.367	0.383	-4.4	104	0.00
52	CM	Toluene	0.870	0.975	-12.1#	111	0.00
53	T	t-1,3-Dichloropropene	0.500	0.556	-11.2	110	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.612	-11.7	111	0.00
55	T	1,1,2-Trichloroethane	0.346	0.356	-2.9	111	0.00
56	T	Ethyl methacrylate	0.434	0.523	-20.5	108	0.00
57	T	1,3-Dichloropropane	0.577	0.602	-4.3	110	0.00
58	T	2-Chloroethyl Vinyl ether	0.195	0.213	-9.2	126	0.00
59	T	2-Hexanone	0.253	0.281	-11.1	106	0.00
60	T	Dibromochloromethane	0.403	0.435	-7.9	111	0.00
61	T	1,2-Dibromoethane	0.327	0.343	-4.9	110	0.00
62	S	4-Bromofluorobenzene	0.392	0.446	-13.8	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.387	0.415	-7.2	118	0.00
65	PM	Chlorobenzene	1.145	1.191	-4.0	110	0.00
66	T	1,1,1,2-Tetrachloroethane	0.412	0.427	-3.6	111	0.00
67	C	Ethyl Benzene	1.794	2.061	-14.9#	111	0.00
68	T	m/p-Xylenes	0.682	0.811	-18.9	113	0.00
69	T	o-Xylene	0.648	0.758	-17.0	111	0.00
70	T	Styrene	1.059	1.287	-21.5	110	0.00
71	P	Bromoform	0.306	0.323	-5.6	110	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.425	3.921	-14.5	112	0.00
74	T	N-amyl acetate	1.208	1.269	-5.0	105	0.00
75	P	1,1,2,2-Tetrachloroethane	1.179	1.058	10.3	104	0.00
76	T	1,2,3-Trichloropropane	1.111	0.938	15.6	102	0.00
77	T	Bromobenzene	0.925	0.953	-3.0	109	0.00
78	T	n-propylbenzene	3.923	4.611	-17.5	112	0.00
79	T	2-Chlorotoluene	2.621	2.835	-8.2	112	0.00
80	T	1,3,5-Trimethylbenzene	2.790	3.328	-19.3	112	0.00
81	T	trans-1,4-Dichloro-2-butene	0.381	0.398	-4.5	103	0.00
82	T	4-Chlorotoluene	2.598	2.881	-10.9	112	0.00
83	T	tert-Butylbenzene	2.346	2.807	-19.7	112	0.00
84	T	1,2,4-Trimethylbenzene	2.761	3.321	-20.3	111	0.00
85	T	sec-Butylbenzene	3.315	3.934	-18.7	111	0.00
86	T	p-Isopropyltoluene	2.665	3.316	-24.4	112	0.00
87	T	1,3-Dichlorobenzene	1.734	1.791	-3.3	113	0.00
88	T	1,4-Dichlorobenzene	1.777	1.777	0.0	111	0.00
89	T	n-Butylbenzene	2.354	2.810	-19.4	114	0.00
90	T	Hexachloroethane	0.628	0.622	1.0	109	0.00
91	T	1,2-Dichlorobenzene	1.667	1.704	-2.2	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.187	13.4	100	0.00
93	T	1,2,4-Trichlorobenzene	0.794	0.838	-5.5	108	0.00
94	T	Hexachlorobutadiene	0.483	0.451	6.6	110	0.00
95	T	Naphthalene	2.181	2.272	-4.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.798	0.799	-0.1	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	50.675	-1.3	108	0.00
3	P	Chloromethane	50.000	47.365	5.3	109	0.00
4	C	Vinyl Chloride	50.000	48.263	3.5#	108	0.00
5	T	Bromomethane	50.000	48.269	3.5	111	0.00
6	T	Chloroethane	50.000	45.628	8.7	110	0.00
7	T	Trichlorofluoromethane	50.000	49.065	1.9	113	0.00
8	T	Diethyl Ether	50.000	50.161	-0.3	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.515	-1.0	114	0.00
10	T	Methyl Iodide	50.000	50.538	-1.1	110	0.00
11	T	Tert butyl alcohol	250.000	225.177	9.9	96	0.00
12	CM	1,1-Dichloroethene	50.000	50.950	-1.9#	111	0.00
13	T	Acrolein	250.000	205.238	17.9	81	0.00
14	T	Allyl chloride	50.000	50.710	-1.4	111	0.00
15	T	Acrylonitrile	250.000	238.131	4.7	106	0.00
16	T	Acetone	250.000	274.906	-10.0	129	0.00
17	T	Carbon Disulfide	50.000	47.514	5.0	110	0.00
18	T	Methyl Acetate	50.000	44.785	10.4	107	0.00
19	T	Methyl tert-butyl Ether	50.000	53.473	-6.9	110	0.00
20	T	Methylene Chloride	50.000	47.605	4.8	111	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.327	-0.7	114	0.00
22	T	Diisopropyl ether	50.000	53.588	-7.2	112	0.00
23	T	Vinyl Acetate	250.000	261.433	-4.6	110	0.00
24	P	1,1-Dichloroethane	50.000	49.478	1.0	111	0.00
25	T	2-Butanone	250.000	255.385	-2.2	110	0.00
26	T	2,2-Dichloropropane	50.000	50.464	-0.9	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.333	-2.7	112	0.00
28	T	Bromochloromethane	50.000	58.177	-16.4	125	0.00
29	T	Tetrahydrofuran	250.000	249.701	0.1	105	0.00
30	C	Chloroform	50.000	49.129	1.7#	112	0.00
31	T	Cyclohexane	50.000	48.266	3.5	109	0.00
32	T	1,1,1-Trichloroethane	50.000	49.863	0.3	111	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.835	0.3	111	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	52.900	-5.8	112	0.00
36	T	1,1-Dichloropropene	50.000	53.862	-7.7	112	0.00
37	T	Ethyl Acetate	50.000	49.384	1.2	103	0.00
38	T	Carbon Tetrachloride	50.000	51.650	-3.3	111	0.00
39	T	Methylcyclohexane	50.000	59.556	-19.1	113	0.00
40	TM	Benzene	50.000	52.435	-4.9	111	0.00
41	T	Methacrylonitrile	50.000	52.247	-4.5	102	0.00
42	TM	1,2-Dichloroethane	50.000	51.342	-2.7	112	0.00
43	T	Isopropyl Acetate	50.000	49.475	1.0	107	0.00
44	TM	Trichloroethene	50.000	51.748	-3.5	114	0.00
45	C	1,2-Dichloropropane	50.000	52.875	-5.8#	112	0.00
46	T	Dibromomethane	50.000	51.094	-2.2	109	0.00
47	T	Bromodichloromethane	50.000	51.856	-3.7	111	0.00
48	T	Methyl methacrylate	50.000	54.849	-9.7	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1062.788	-6.3	102	0.00
50	S	Toluene-d8	50.000	54.690	-9.4	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	260.736	-4.3	104	0.00
52	CM	Toluene	50.000	56.046	-12.1#	111	0.00
53	T	t-1,3-Dichloropropene	50.000	55.646	-11.3	110	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.852	-11.7	111	0.00
55	T	1,1,2-Trichloroethane	50.000	51.456	-2.9	111	0.00
56	T	Ethyl methacrylate	50.000	52.271	-4.5	108	0.00
57	T	1,3-Dichloropropane	50.000	52.148	-4.3	110	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.736	-7.5	126	0.00
59	T	2-Hexanone	250.000	278.298	-11.3	106	0.00
60	T	Dibromochloromethane	50.000	53.975	-8.0	111	0.00
61	T	1,2-Dibromoethane	50.000	52.526	-5.1	110	0.00
62	S	4-Bromofluorobenzene	50.000	56.798	-13.6	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	53.585	-7.2	118	0.00
65	PM	Chlorobenzene	50.000	51.973	-3.9	110	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.858	-3.7	111	0.00
67	C	Ethyl Benzene	50.000	57.422	-14.8#	111	0.00
68	T	m/p-Xylenes	100.000	119.029	-19.0	113	0.00
69	T	o-Xylene	50.000	58.531	-17.1	111	0.00
70	T	Styrene	50.000	53.048	-6.1	110	0.00
71	P	Bromoform	50.000	52.740	-5.5	110	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	57.227	-14.5	112	0.00
74	T	N-amyl acetate	50.000	52.516	-5.0	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.880	10.2	104	0.00
76	T	1,2,3-Trichloropropane	50.000	42.244	15.5	102	0.00
77	T	Bromobenzene	50.000	51.487	-3.0	109	0.00
78	T	n-propylbenzene	50.000	58.766	-17.5	112	0.00
79	T	2-Chlorotoluene	50.000	54.088	-8.2	112	0.00
80	T	1,3,5-Trimethylbenzene	50.000	59.635	-19.3	112	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.313	-4.6	103	0.00
82	T	4-Chlorotoluene	50.000	55.443	-10.9	112	0.00
83	T	tert-Butylbenzene	50.000	59.805	-19.6	112	0.00
84	T	1,2,4-Trimethylbenzene	50.000	60.149	-20.3	111	0.00
85	T	sec-Butylbenzene	50.000	59.326	-18.7	111	0.00
86	T	p-Isopropyltoluene	50.000	54.162	-8.3	112	0.00
87	T	1,3-Dichlorobenzene	50.000	51.645	-3.3	113	0.00
88	T	1,4-Dichlorobenzene	50.000	49.992	0.0	111	0.00
89	T	n-Butylbenzene	50.000	59.684	-19.4	114	0.00
90	T	Hexachloroethane	50.000	49.529	0.9	109	0.00
91	T	1,2-Dichlorobenzene	50.000	51.099	-2.2	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.220	13.6	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.761	-5.5	108	0.00
94	T	Hexachlorobutadiene	50.000	46.692	6.6	110	0.00
95	T	Naphthalene	50.000	52.080	-4.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.111	-0.2	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_N Calibration Date/Time: 02/19/2025 15:58

Lab File ID: VN085792.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.682	0.587	0.1	-13.93	50
Vinyl Chloride	0.723	0.619		-14.39	50
Bromomethane	0.462	0.383		-17.1	50
Chloroethane	0.479	0.387		-19.21	50
Trichlorofluoromethane	1.046	0.878		-16.06	50
1,1,2-Trichlorotrifluoroethane	0.605	0.528		-12.73	50
1,1-Dichloroethene	0.548	0.485		-11.5	50
Acetone	0.205	0.209		1.95	50
Carbon Disulfide	1.625	1.344		-17.29	50
Methyl tert-butyl Ether	1.629	1.563		-4.05	50
Methylene Chloride	0.660	0.553		-16.21	50
trans-1,2-Dichloroethene	0.590	0.517		-12.37	50
1,1-Dichloroethane	1.106	0.983	0.1	-11.12	50
2-Butanone	0.302	0.305		0.99	50
Carbon Tetrachloride	0.550	0.492		-10.55	50
cis-1,2-Dichloroethene	0.685	0.618		-9.78	50
Chloroform	1.156	1.018		-11.94	50
1,1,1-Trichloroethane	1.028	0.904		-12.06	50
Methylcyclohexane	0.455	0.466		2.42	50
Benzene	1.484	1.377		-7.21	50
1,2-Dichloroethane	0.483	0.446		-7.66	50
Trichloroethene	0.364	0.323		-11.26	50
1,2-Dichloropropane	0.358	0.334		-6.7	50
Bromodichloromethane	0.541	0.500		-7.58	50
4-Methyl-2-Pentanone	0.367	0.380		3.54	50
Toluene	0.870	0.868		-0.23	50
t-1,3-Dichloropropene	0.500	0.505		1	50
cis-1,3-Dichloropropene	0.548	0.542		-1.1	50
1,1,2-Trichloroethane	0.346	0.323		-6.65	50
2-Hexanone	0.253	0.280		10.67	50
Dibromochloromethane	0.403	0.389		-3.47	50
Tetrachloroethene	0.387	0.337		-12.92	50
Chlorobenzene	1.145	1.033	0.3	-9.78	50
Ethyl Benzene	1.794	1.793		-0.06	50
m/p-Xylenes	0.682	0.704		3.23	50
o-Xylene	0.648	0.665		2.62	50
Styrene	1.059	1.140		7.65	50
Bromoform	0.306	0.290	0.1	-5.23	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_N Calibration Date/Time: 02/19/2025 15:58

Lab File ID: VN085792.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.425	3.305		-3.5	50
1,1,2,2-Tetrachloroethane	1.179	0.989	0.3	-16.11	50
1,3-Dichlorobenzene	1.734	1.516		-12.57	50
1,4-Dichlorobenzene	1.777	1.504		-15.36	50
1,2-Dichlorobenzene	1.667	1.463		-12.24	50
1,2-Dichloroethane-d4	0.648	0.661		2.01	50
Dibromofluoromethane	0.327	0.345		5.51	50
Toluene-d8	1.190	1.326		11.43	50
4-Bromofluorobenzene	0.392	0.465		18.62	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	314689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	508489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	458383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	232482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	208161	51.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.040%			
35) Dibromofluoromethane	8.159	113	175528	52.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	10.559	98	674218	55.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.380%			
62) 4-Bromofluorobenzene	12.847	95	236610	59.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	186478	43.565	ug/l	100
3) Chloromethane	2.359	50	184635	42.986	ug/l	95
4) Vinyl Chloride	2.512	62	194748	42.823	ug/l	99
5) Bromomethane	2.953	94	120501	41.439	ug/l	96
6) Chloroethane	3.118	64	121708	40.403	ug/l	97
7) Trichlorofluoromethane	3.500	101	276286	41.961	ug/l	100
8) Diethyl Ether	3.959	74	96989	45.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	166083	43.637	ug/l	100
10) Methyl Iodide	4.589	142	212171	45.224	ug/l	100
11) Tert butyl alcohol	5.512	59	114382	227.948	ug/l	100
12) 1,1-Dichloroethene	4.342	96	152662	44.237	ug/l	96
13) Acrolein	4.177	56	183499	246.597	ug/l	99
14) Allyl chloride	5.024	41	206663	45.612	ug/l	96
15) Acrylonitrile	5.712	53	379650	232.731	ug/l	99
16) Acetone	4.418	43	328698	254.620	ug/l	100
17) Carbon Disulfide	4.712	76	422830	41.341	ug/l	98
18) Methyl Acetate	5.018	43	195346	43.995	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	491948	47.972	ug/l	97
20) Methylene Chloride	5.271	84	173911	41.891	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	162686	43.781	ug/l	96
22) Diisopropyl ether	6.665	45	497270	48.571	ug/l	99
23) Vinyl Acetate	6.594	43	1693494	241.583	ug/l	99
24) 1,1-Dichloroethane	6.565	63	309410	44.457	ug/l	98
25) 2-Butanone	7.477	43	480353	252.924	ug/l	99
26) 2,2-Dichloropropane	7.488	77	276166	44.624	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	194480	45.138	ug/l	99
28) Bromochloromethane	7.812	49	160850	56.231	ug/l	97
29) Tetrahydrofuran	7.835	42	306901	250.245	ug/l	99
30) Chloroform	7.959	83	320212	44.027	ug/l	96
31) Cyclohexane	8.253	56	242308	41.582	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	284356	43.956	ug/l	99
36) 1,1-Dichloropropene	8.371	75	222094	47.163	ug/l	99
37) Ethyl Acetate	7.553	43	187271	48.325	ug/l	99
38) Carbon Tetrachloride	8.359	117	250101	44.699	ug/l	96
39) Methylcyclohexane	9.594	83	236828	51.193	ug/l	100
40) Benzene	8.600	78	700374	46.405	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	104465	50.427 ug/l		97
42) 1,2-Dichloroethane	8.665	62	226801	46.134 ug/l		99
43) Isopropyl Acetate	8.682	43	325471	47.833 ug/l		99
44) Trichloroethene	9.347	130	164443	44.375 ug/l		100
45) 1,2-Dichloropropane	9.618	63	170014	46.667 ug/l		100
46) Dibromomethane	9.706	93	118154	45.979 ug/l		99
47) Bromodichloromethane	9.882	83	254115	46.221 ug/l		98
48) Methyl methacrylate	9.677	41	147289	51.177 ug/l		97
49) 1,4-Dioxane	9.688	88	56363	1029.861 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	966366	258.644 ug/l		100
52) Toluene	10.624	92	441319	49.882 ug/l		100
53) t-1,3-Dichloropropene	10.829	75	256600	50.474 ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	275582	49.435 ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	164418	46.742 ug/l		98
56) Ethyl methacrylate	10.871	69	248737	49.269 ug/l		99
57) 1,3-Dichloropropane	11.159	76	280770	47.815 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	655472	308.192 ug/l		100
59) 2-Hexanone	11.188	43	710628	276.471 ug/l		99
60) Dibromochloromethane	11.353	129	197780	48.286 ug/l		99
61) 1,2-Dibromoethane	11.465	107	160097	48.170 ug/l		100
64) Tetrachloroethene	11.100	164	154650	43.550 ug/l		94
65) Chlorobenzene	11.888	112	473346	45.077 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	169690	44.959 ug/l		99
67) Ethyl Benzene	11.959	91	821966	49.970 ug/l		98
68) m/p-Xylenes	12.065	106	645674	103.338 ug/l		99
69) o-Xylene	12.394	106	304825	51.340 ug/l		100
70) Styrene	12.406	104	522609	47.549 ug/l		100
71) Bromoform	12.576	173	133117	47.464 ug/l	#	97
73) Isopropylbenzene	12.694	105	768379	48.243 ug/l		100
74) N-amyl acetate	12.488	43	270762	48.207 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	229993	41.964 ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	236151m	45.728 ug/l		
77) Bromobenzene	12.976	156	190912	44.367 ug/l		98
78) n-propylbenzene	13.035	91	908575	49.811 ug/l		99
79) 2-Chlorotoluene	13.123	91	558615	45.836 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	648399	49.976 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	82899m	46.838 ug/l		
82) 4-Chlorotoluene	13.217	91	567337	46.957 ug/l		100
83) tert-Butylbenzene	13.435	119	539365	49.436 ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	658361	51.289 ug/l		99
85) sec-Butylbenzene	13.612	105	769769	49.936 ug/l		100
86) p-Isopropyltoluene	13.723	119	646548	46.109 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	352513	43.726 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	349584	42.308 ug/l		100
89) n-Butylbenzene	14.053	91	542751	49.591 ug/l		99
90) Hexachloroethane	14.329	117	123948	42.457 ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	340178	43.880 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40657	40.398 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	168128	45.512 ug/l		99
94) Hexachlorobutadiene	15.494	225	87539	38.992 ug/l		99
95) Naphthalene	15.635	128	466312	45.979 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	158346	42.697 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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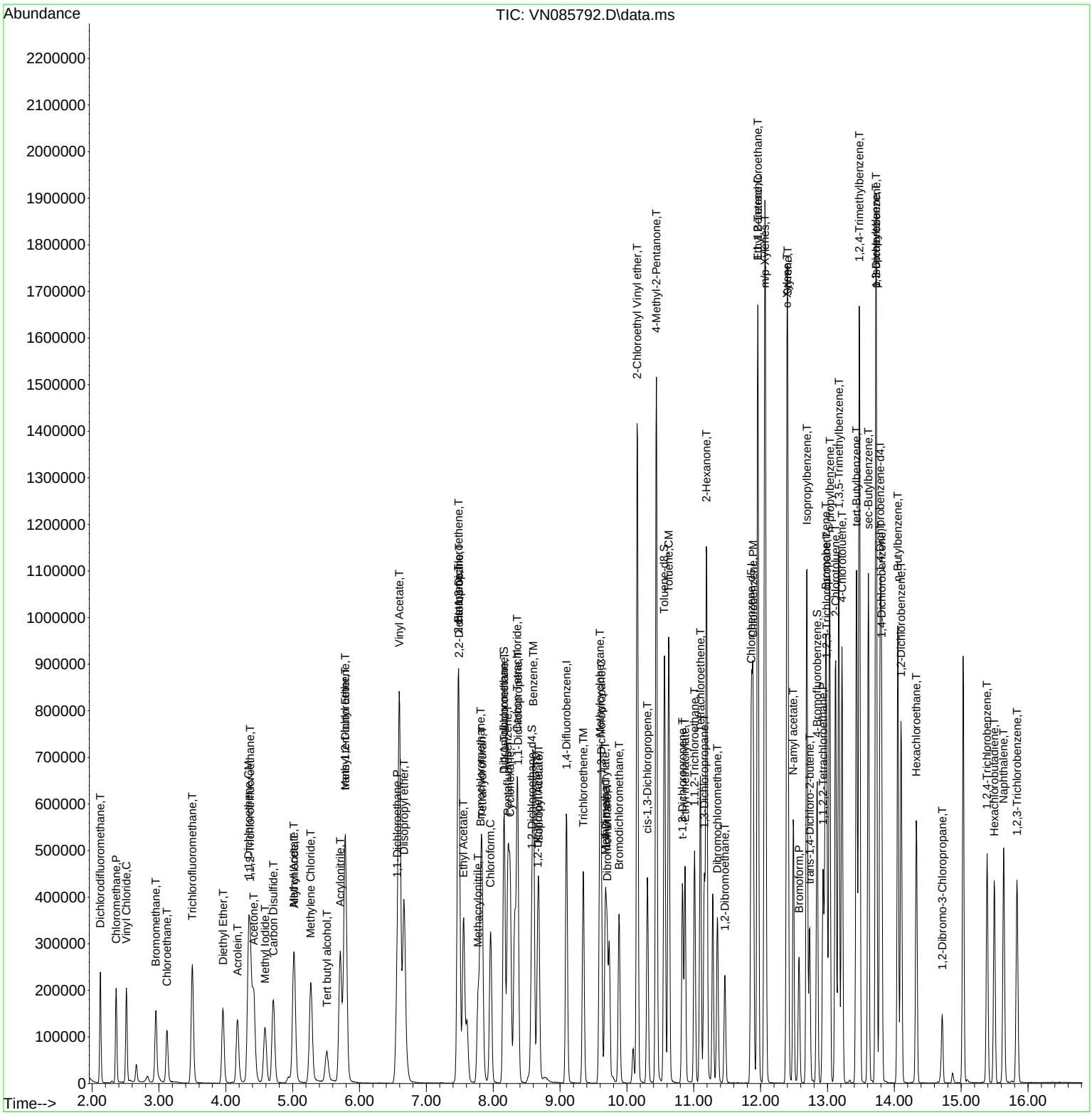
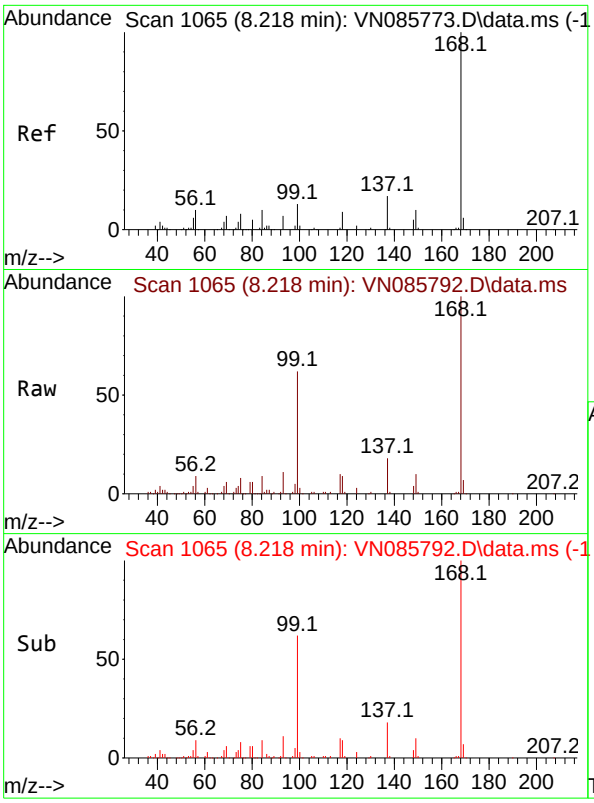
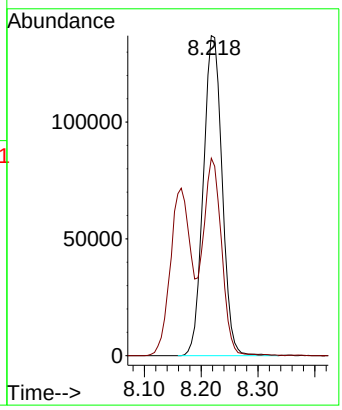




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:168 Resp: 31468

Ion	Ratio	Lower	Upper
168	100		
99	61.6	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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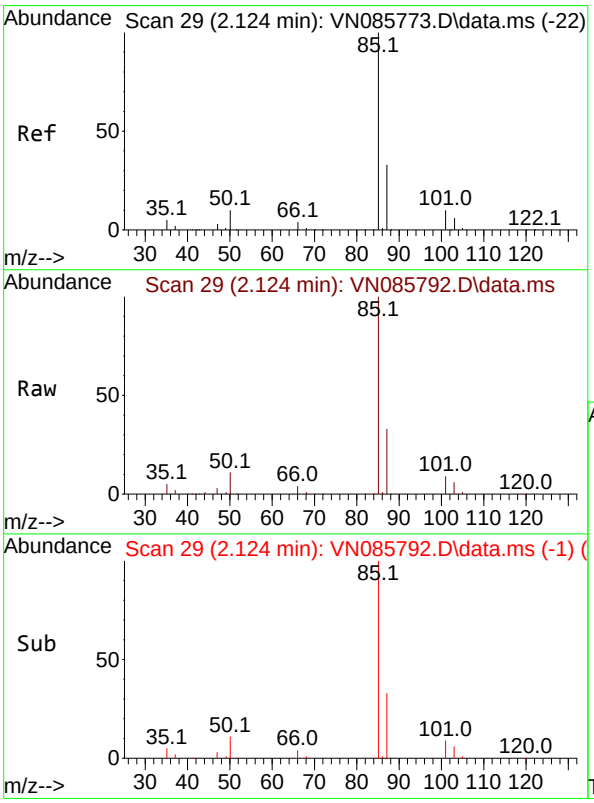
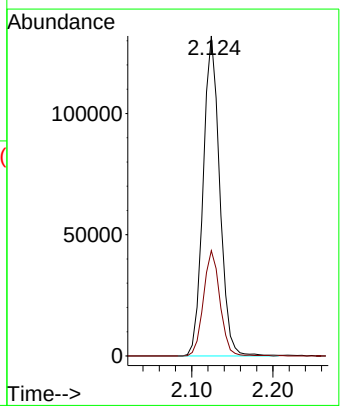
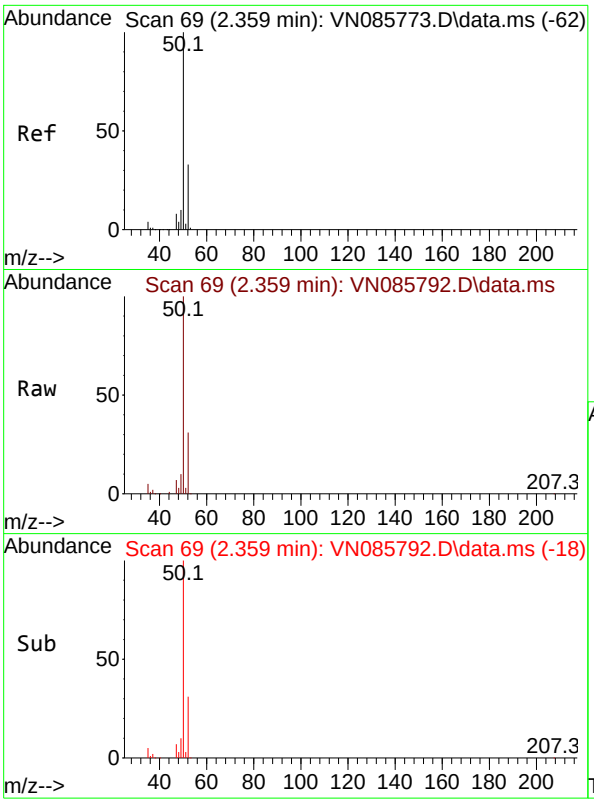


#2
Dichlorodifluoromethane
Concen: 43.565 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 85 Resp: 186478

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.4	49.2

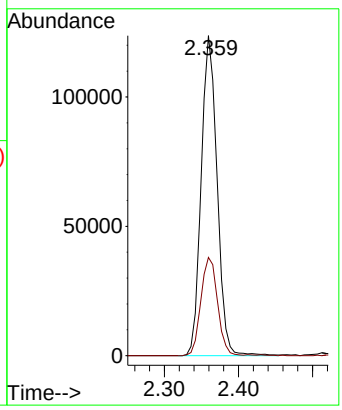




#3
Chloromethane
Concen: 42.986 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 50 Resp: 18463

Ion	Ratio	Lower	Upper
50	100		
52	30.7	26.7	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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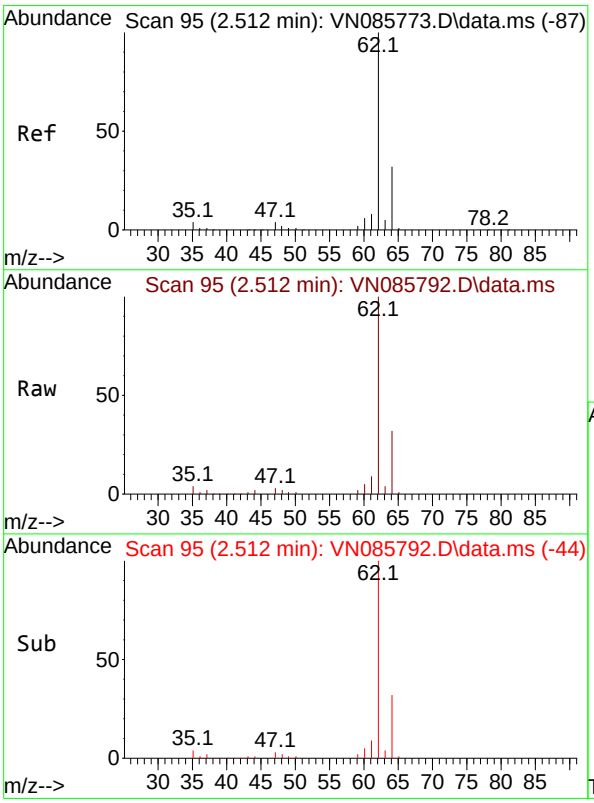
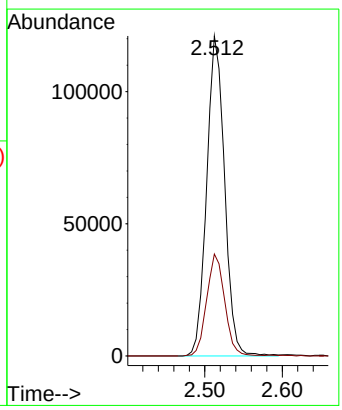
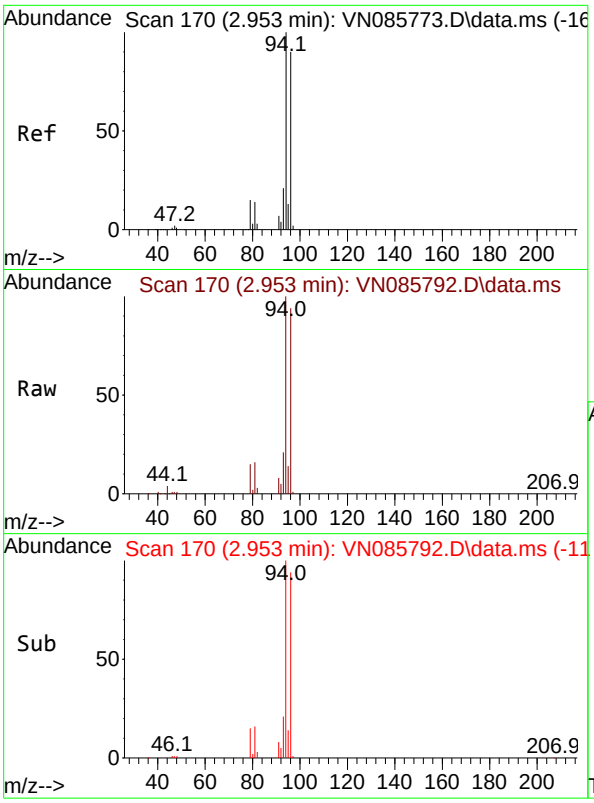


#4
Vinyl Chloride
Concen: 42.823 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 62 Resp: 194748

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.9	38.9

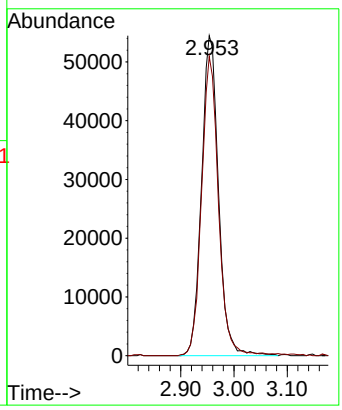




#5
Bromomethane
Concen: 41.439 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 94 Resp: 12050

Ion	Ratio	Lower	Upper
94	100		
96	93.5	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 02/20/2025
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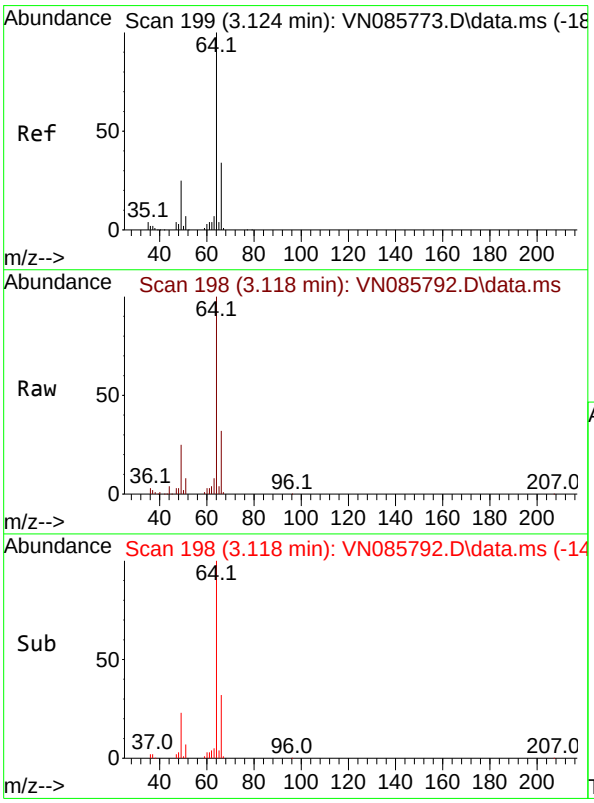
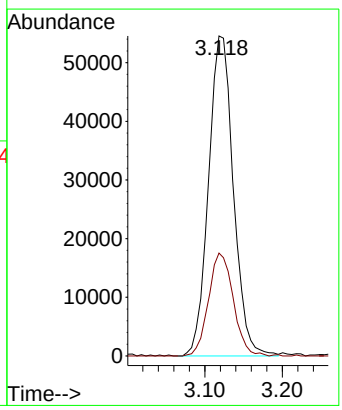
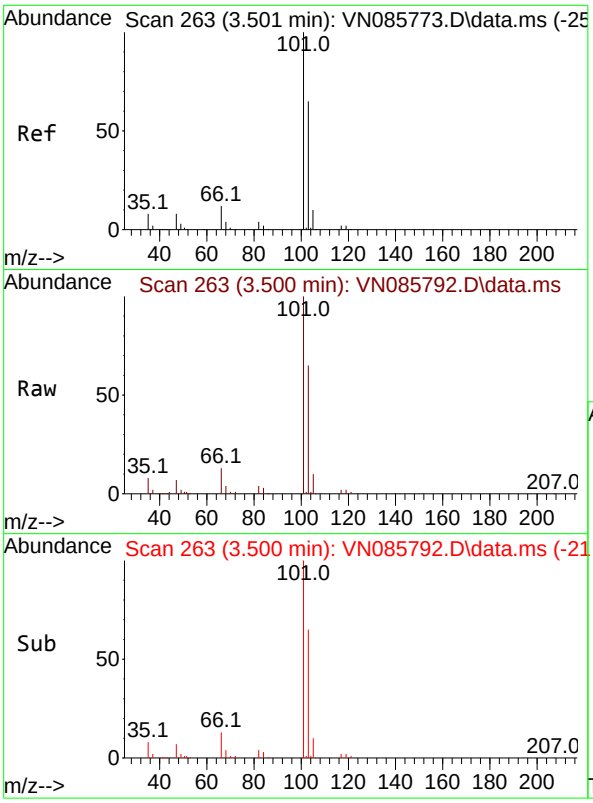


#6
Chloroethane
Concen: 40.403 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 64 Resp: 121708

Ion	Ratio	Lower	Upper
64	100		
66	32.2	27.0	40.6

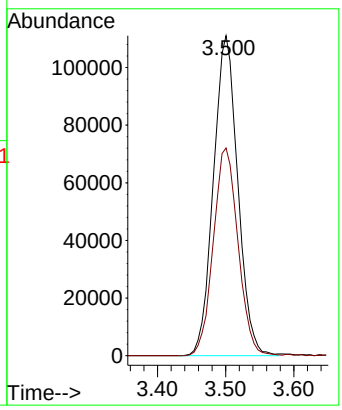




#7
Trichlorofluoromethane
Concen: 41.961 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:101 Resp: 27628

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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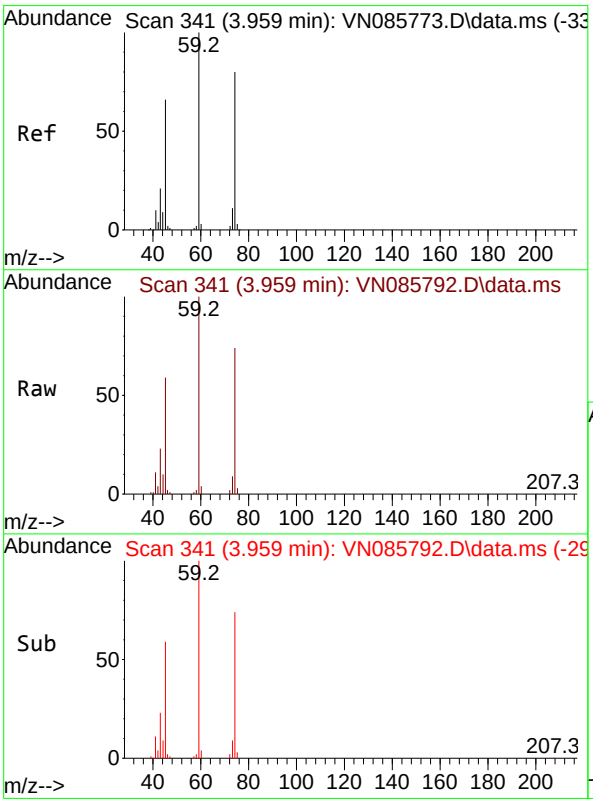
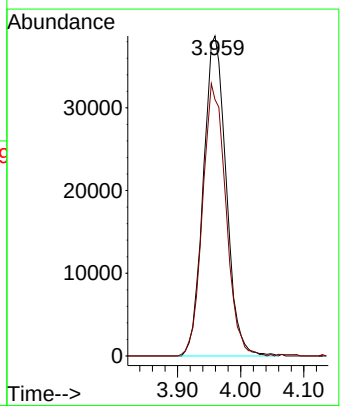
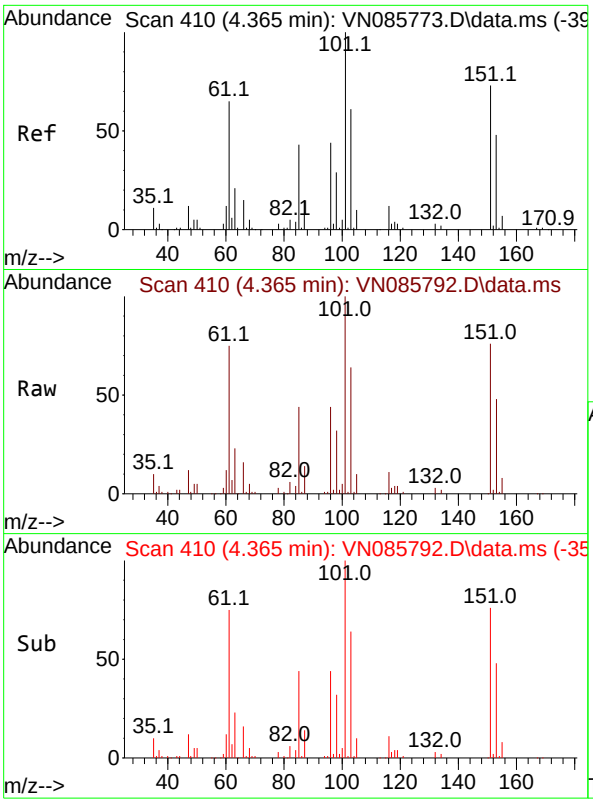


#8
Diethyl Ether
Concen: 45.525 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 74 Resp: 96989

Ion	Ratio	Lower	Upper
74	100		
45	86.6	42.5	127.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.637 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:101 Resp: 16608

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	76.6	61.4	92.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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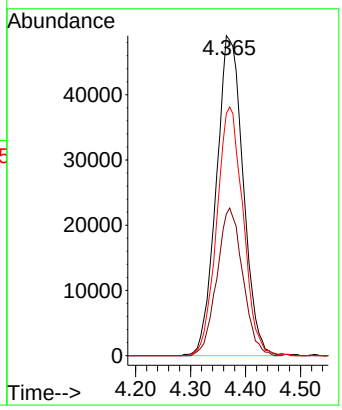
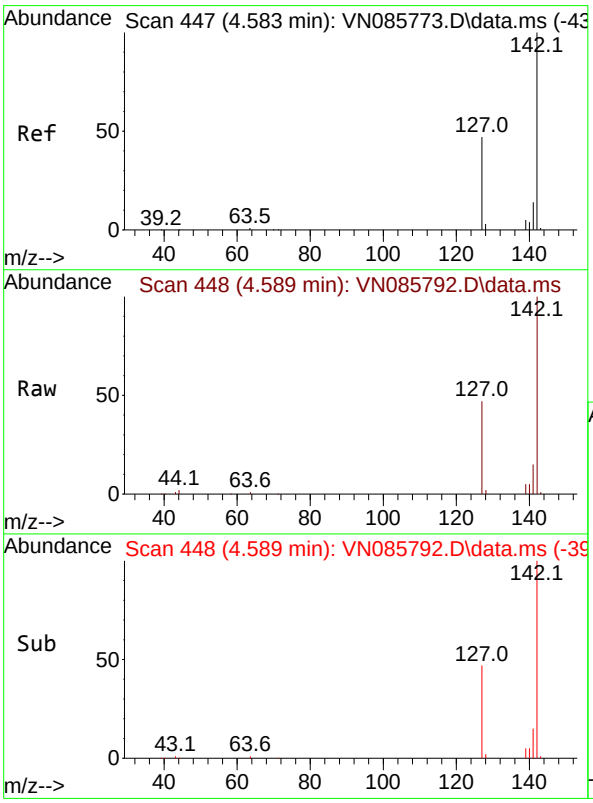
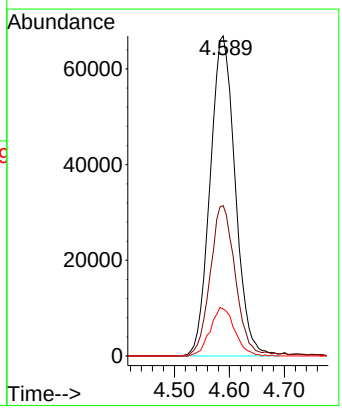


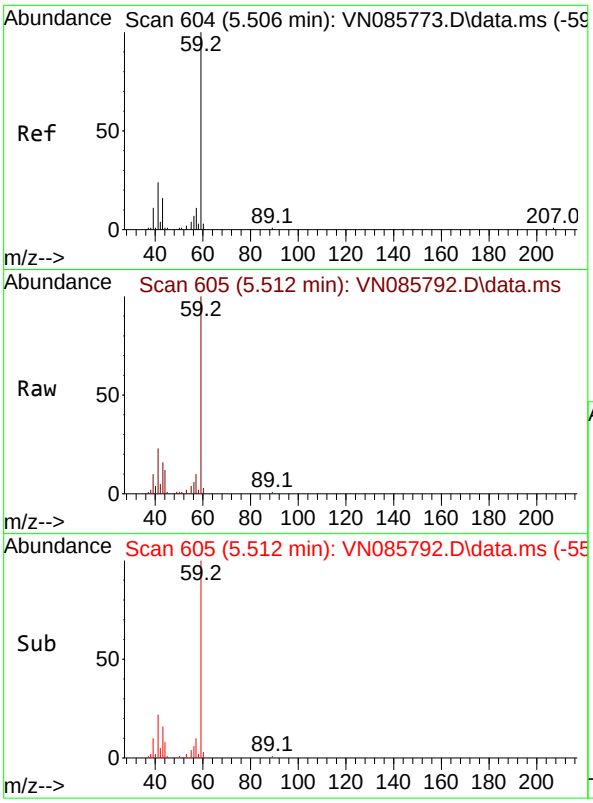


#10
Methyl Iodide
Concen: 45.224 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:142 Resp: 212171

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.6	56.4
141	14.7	11.4	17.2

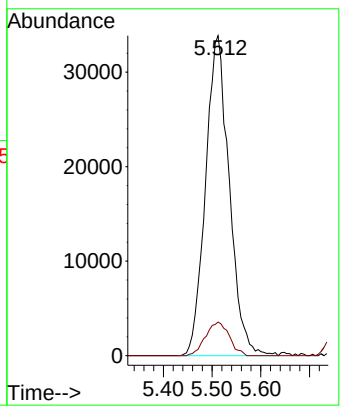




#11
Tert butyl alcohol
Concen: 227.948 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 59 Resp: 11438

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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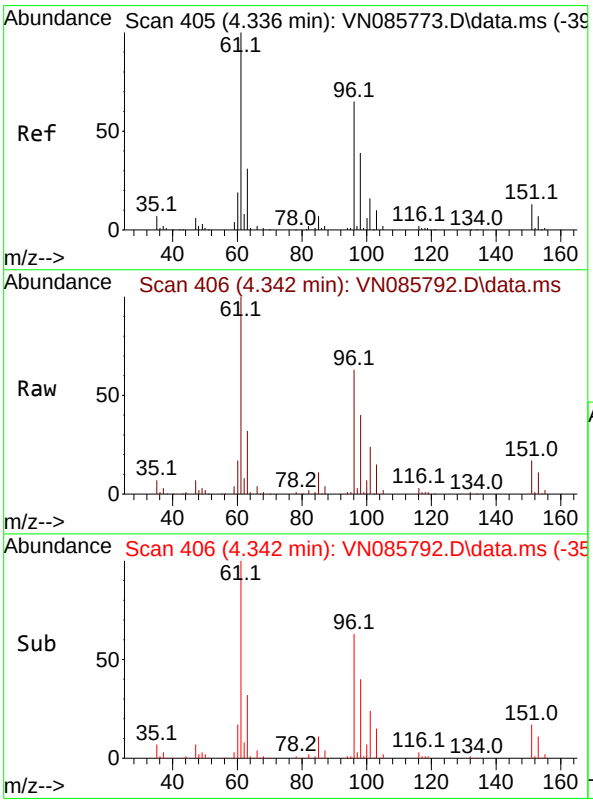
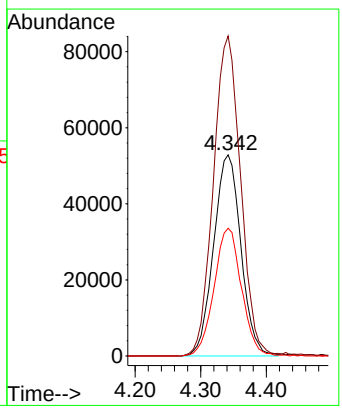
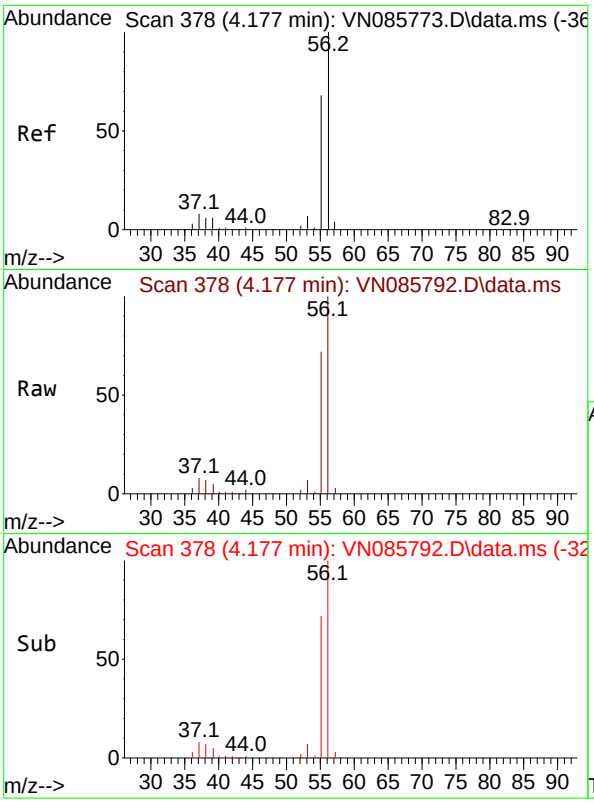


#12
1,1-Dichloroethene
Concen: 44.237 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 96 Resp: 152662

Ion	Ratio	Lower	Upper
96	100		
61	159.1	123.3	184.9
98	63.5	48.6	72.8

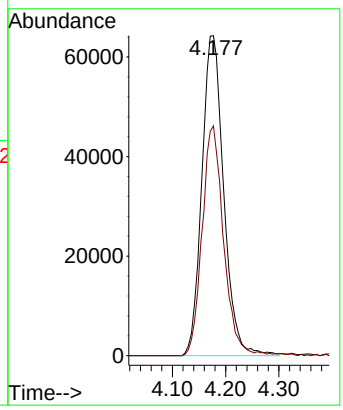




#13
Acrolein
Concen: 246.597 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 56 Resp: 18349

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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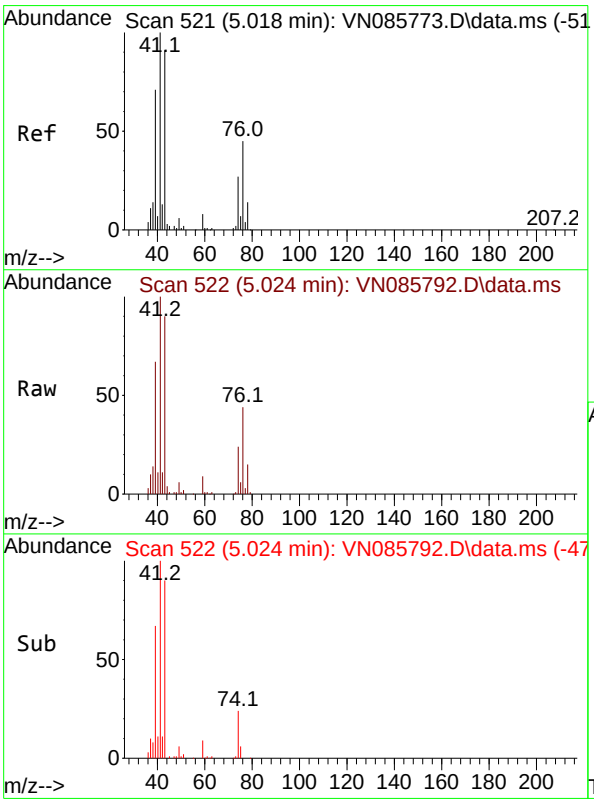
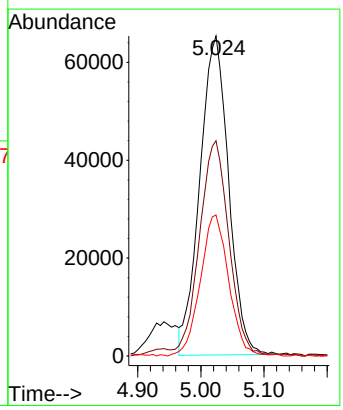
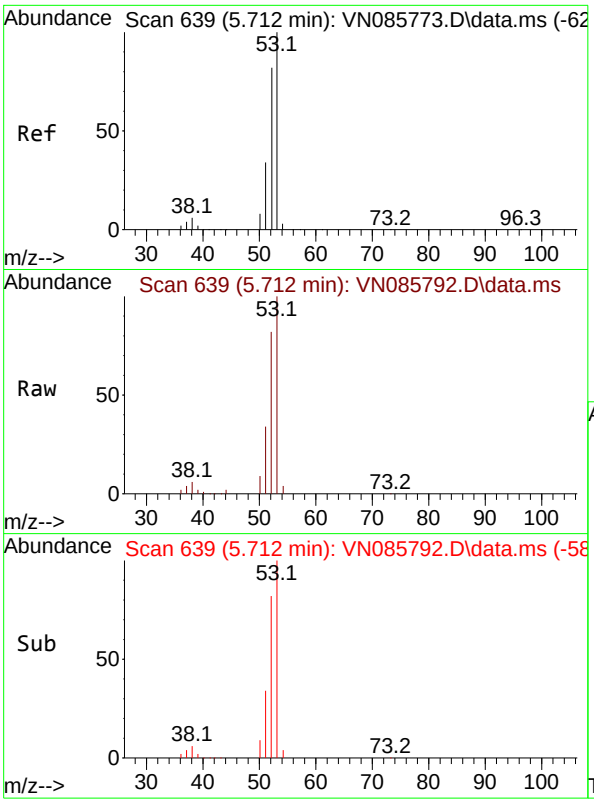


#14
Allyl chloride
Concen: 45.612 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 41 Resp: 206663

Ion	Ratio	Lower	Upper
41	100		
39	68.1	57.4	86.2
76	43.6	36.2	54.2





#15
Acrylonitrile
Concen: 232.731 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 53 Resp: 37965

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.8	98.6
51	35.4	28.6	42.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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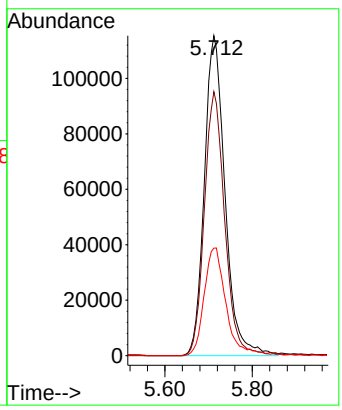
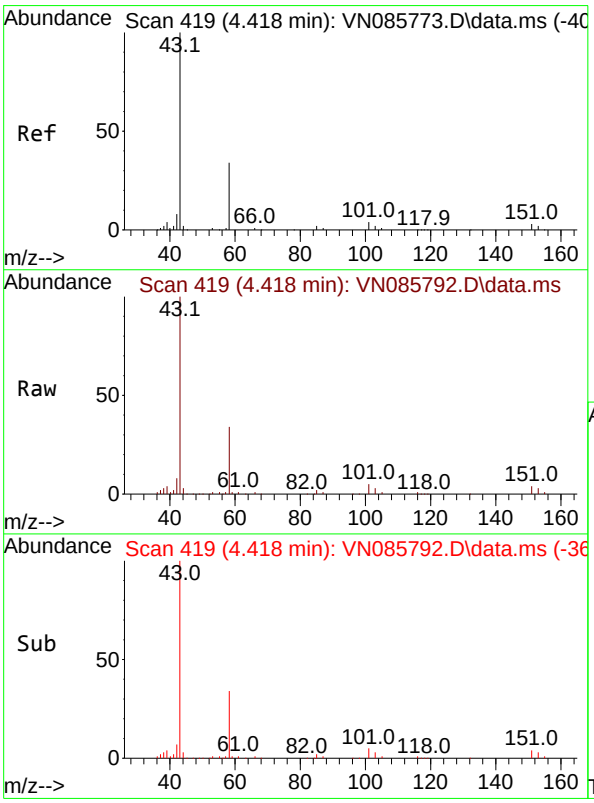
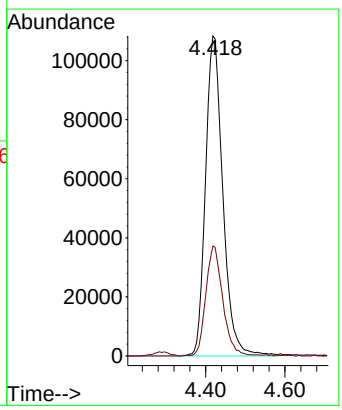


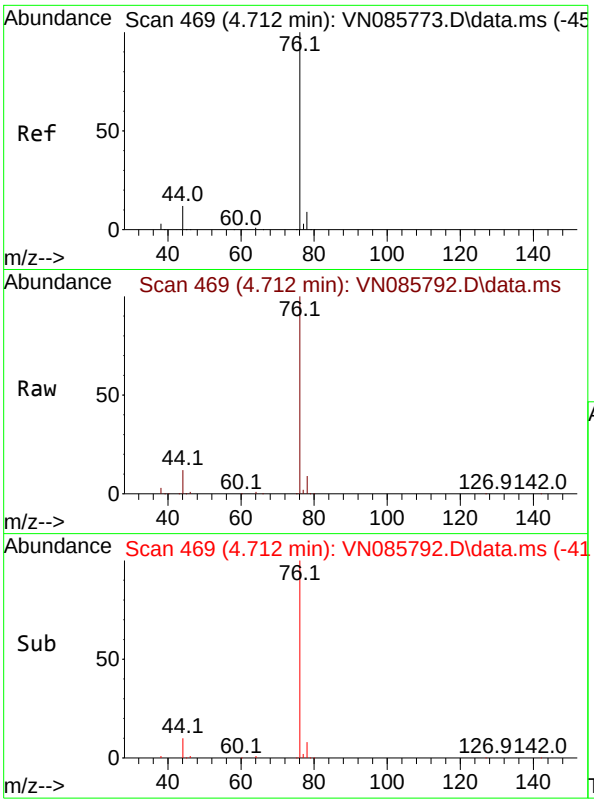


#16
Acetone
Concen: 254.620 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 328698

Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.5	41.3





#17
Carbon Disulfide
Concen: 41.341 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 76 Resp: 42283

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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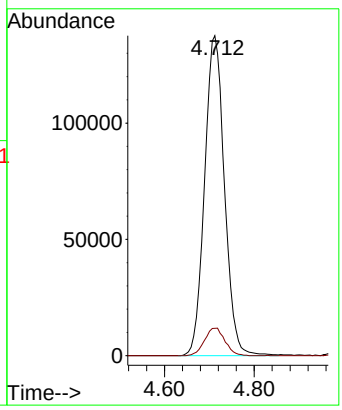
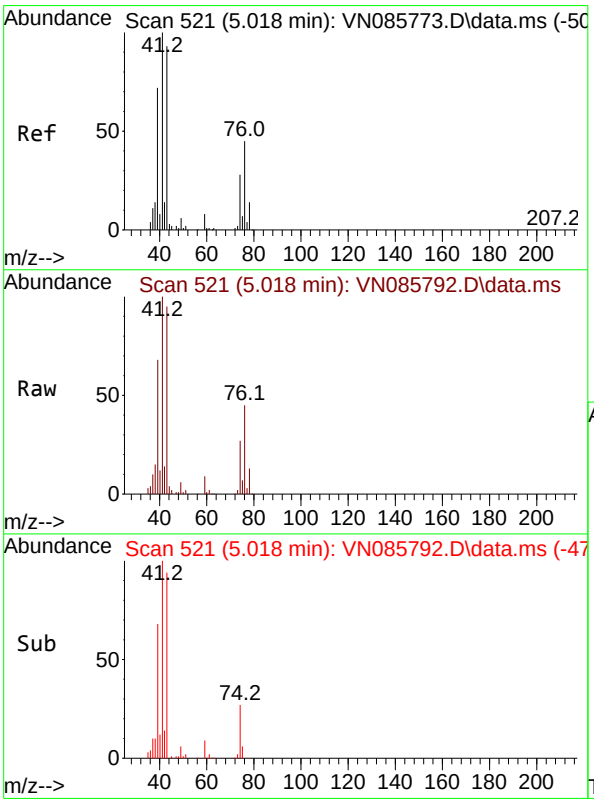
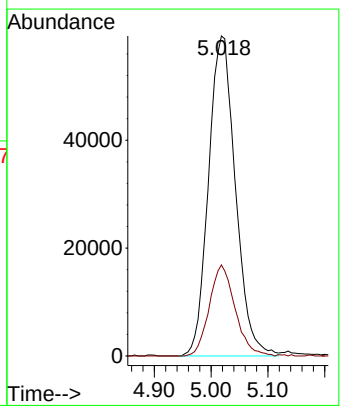


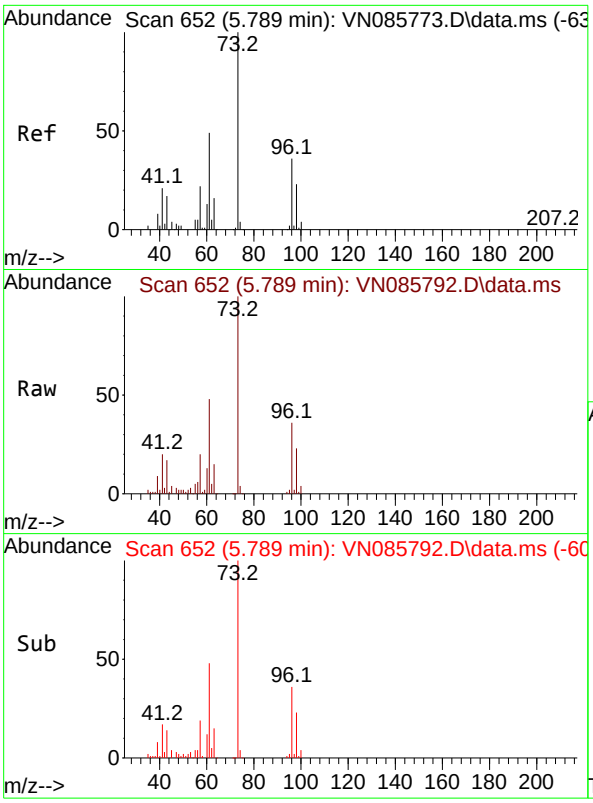


#18
Methyl Acetate
Concen: 43.995 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 195346

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4





#19
Methyl tert-butyl Ether
Concen: 47.972 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 73 Resp: 49194

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.6	26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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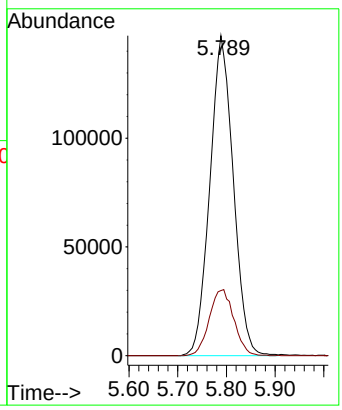
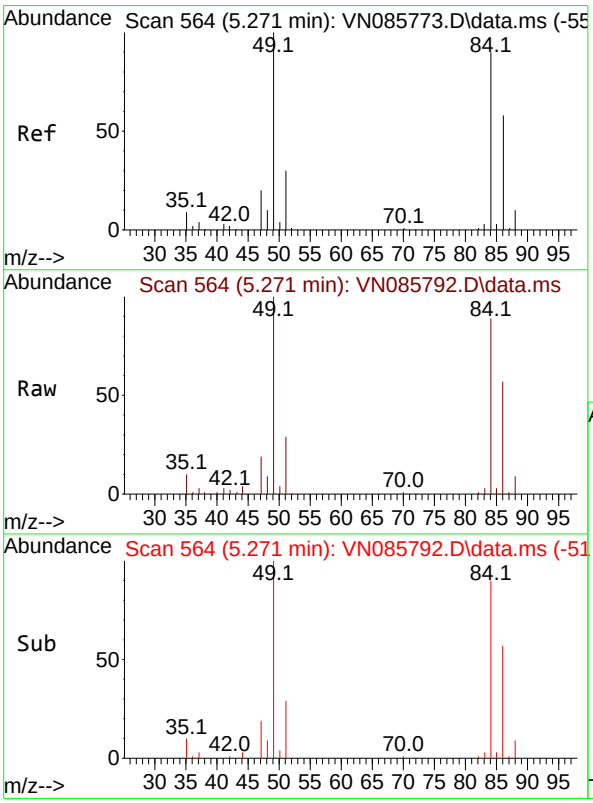
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

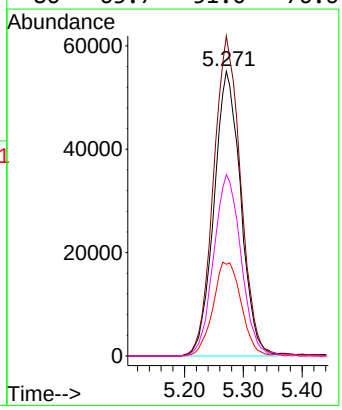


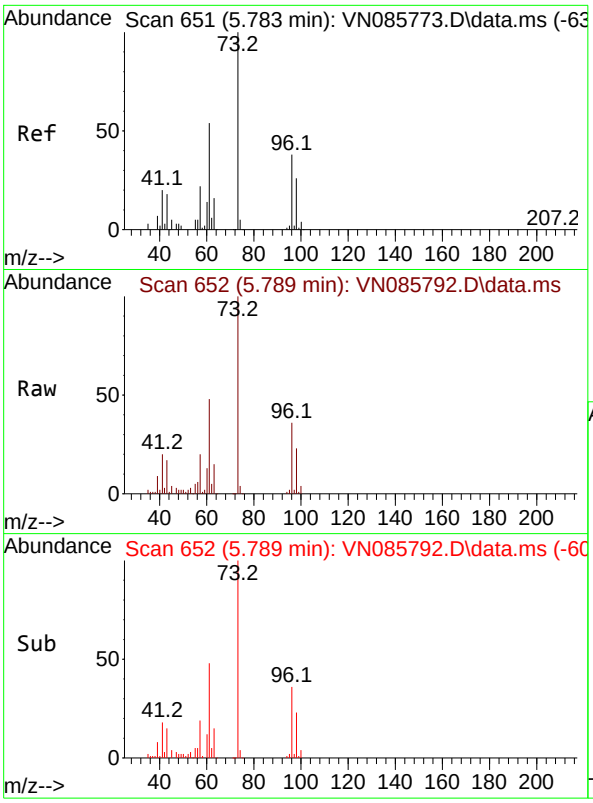


#20
Methylene Chloride
Concen: 41.891 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 84 Resp: 173911

Ion	Ratio	Lower	Upper
84	100		
49	112.4	88.4	132.6
51	32.2	26.6	40.0
86	63.7	51.0	76.6

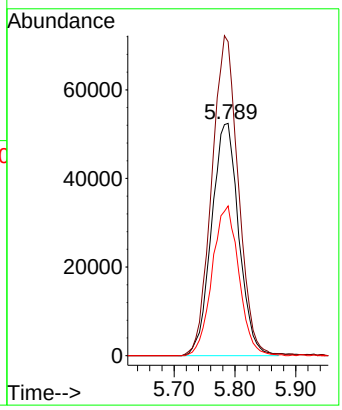




#21
trans-1,2-Dichloroethene
Concen: 43.781 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 96 Resp: 16268

Ion	Ratio	Lower	Upper
96	100		
61	135.1	112.6	168.8
98	64.5	53.3	79.9



Instrument :
MSVOA_N
ClientSampleId :
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Reviewed By :John Carlone 02/20/2025
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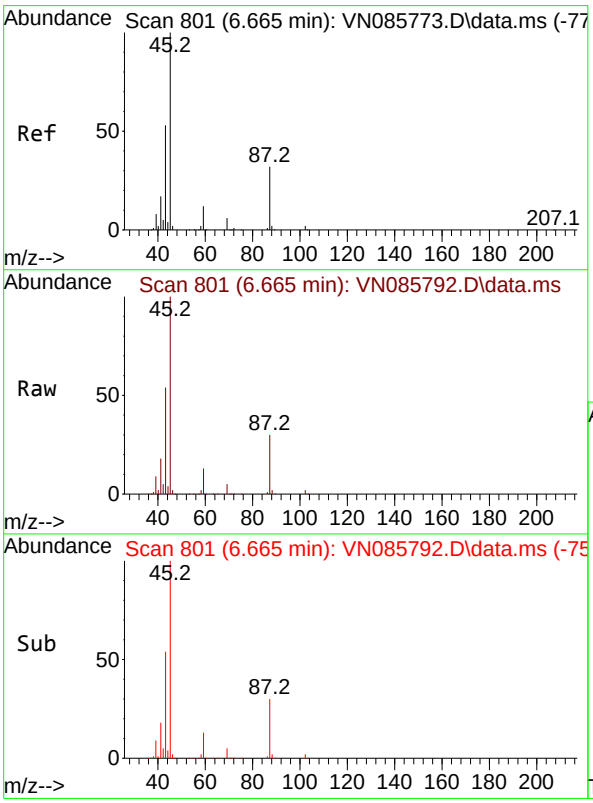
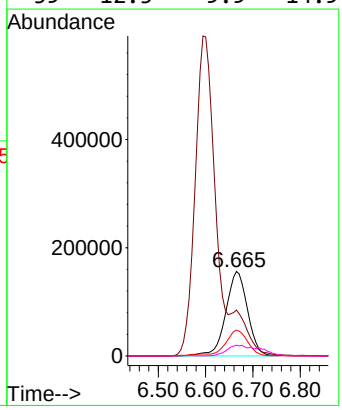
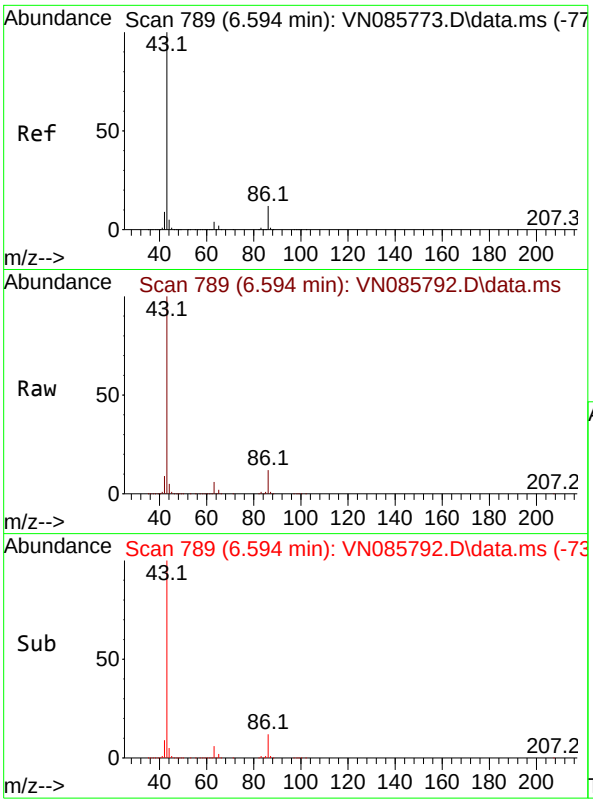


#22
Diisopropyl ether
Concen: 48.571 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 45 Resp: 497270

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.6	64.0
87	30.4	25.8	38.8
59	12.5	9.9	14.9





#23
Vinyl Acetate
Concen: 241.583 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 169349

Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
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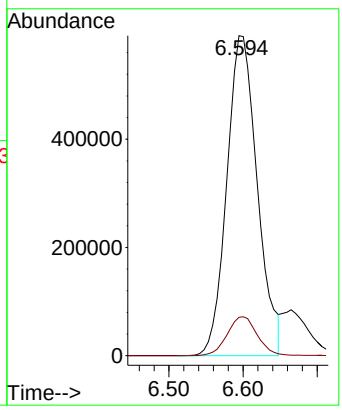
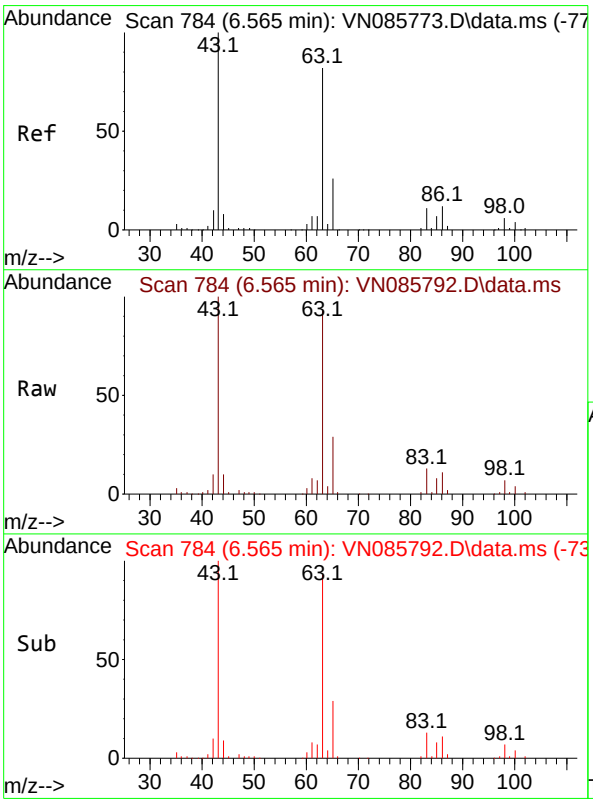
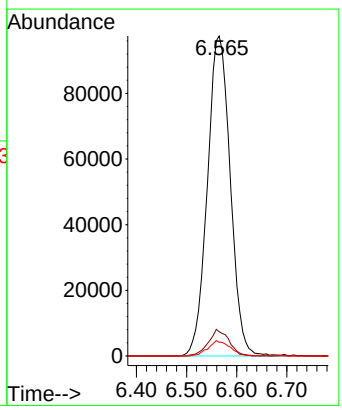


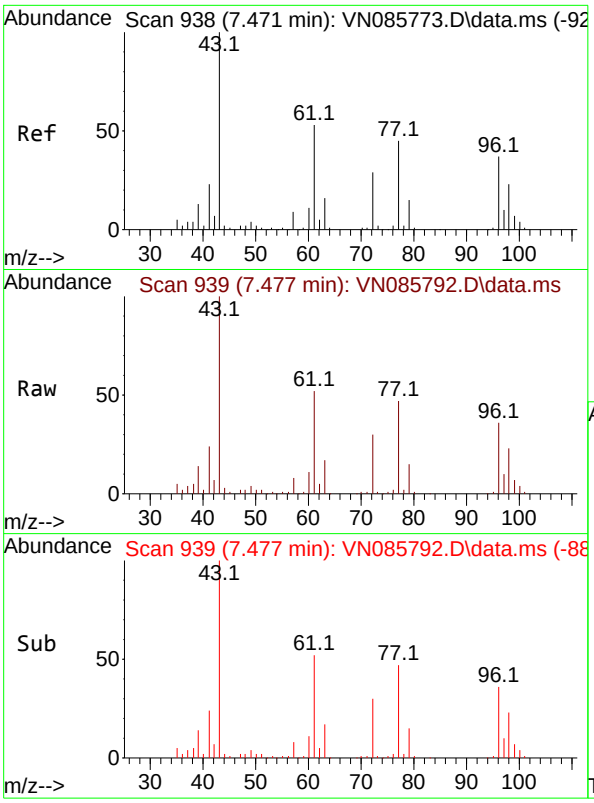


#24
1,1-Dichloroethane
Concen: 44.457 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 63 Resp: 309410

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	4.3	2.4	7.2





#25
2-Butanone
Concen: 252.924 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 48035

Ion	Ratio	Lower	Upper
43	100		
72	29.9	23.6	35.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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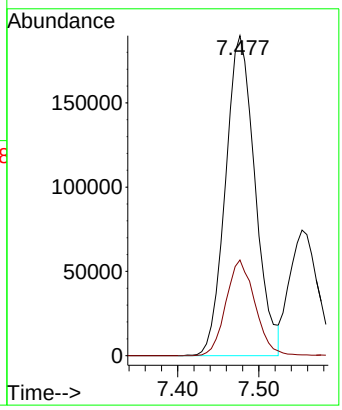
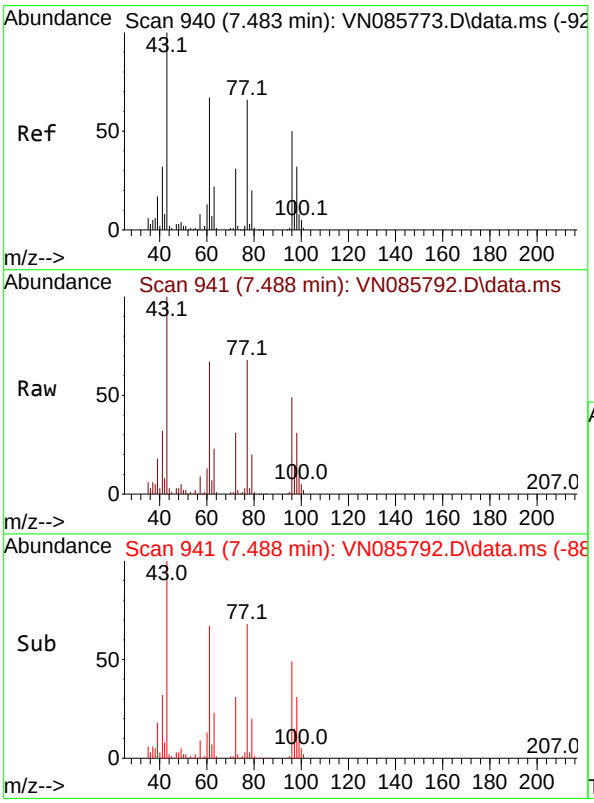
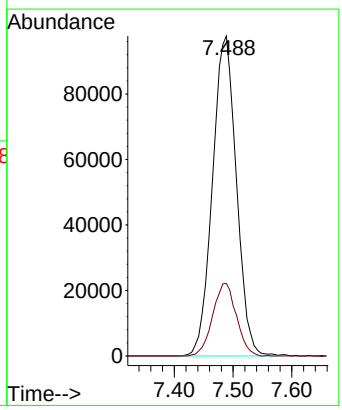


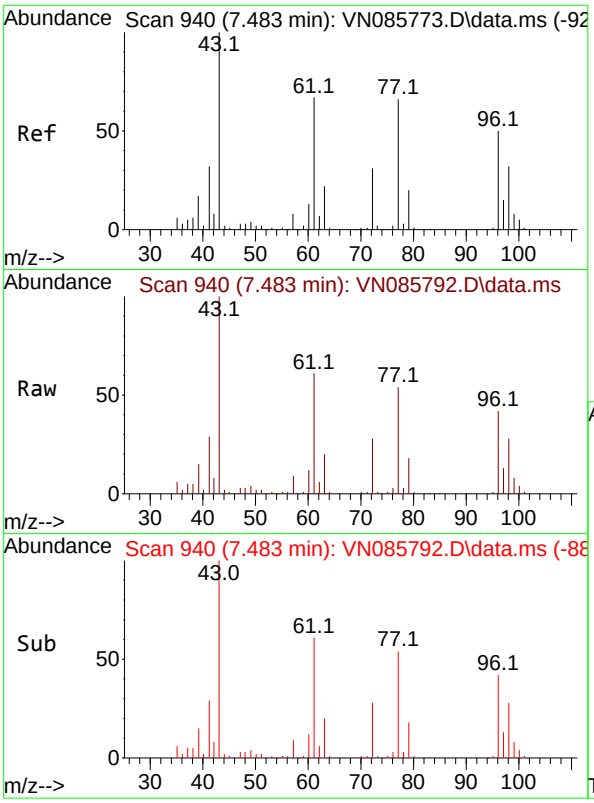


#26
2,2-Dichloropropane
Concen: 44.624 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 77 Resp: 276166

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 45.138 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 96 Resp: 19448

Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	280.6
98	63.7	0.0	128.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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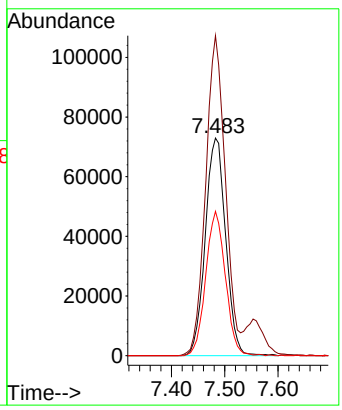
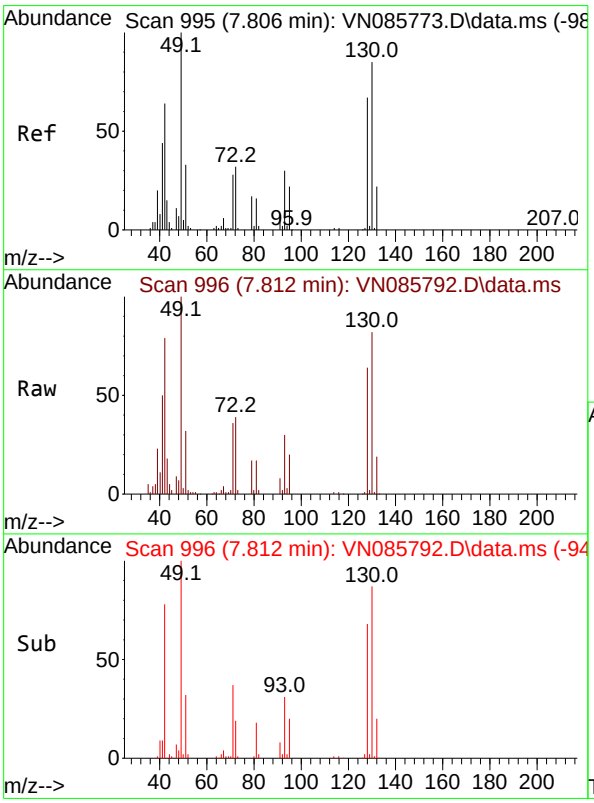
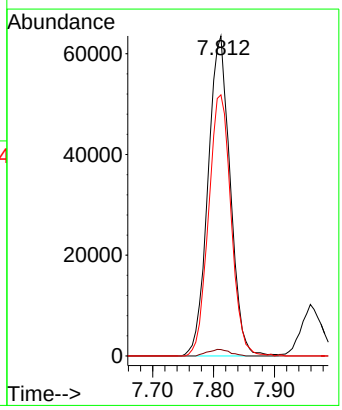


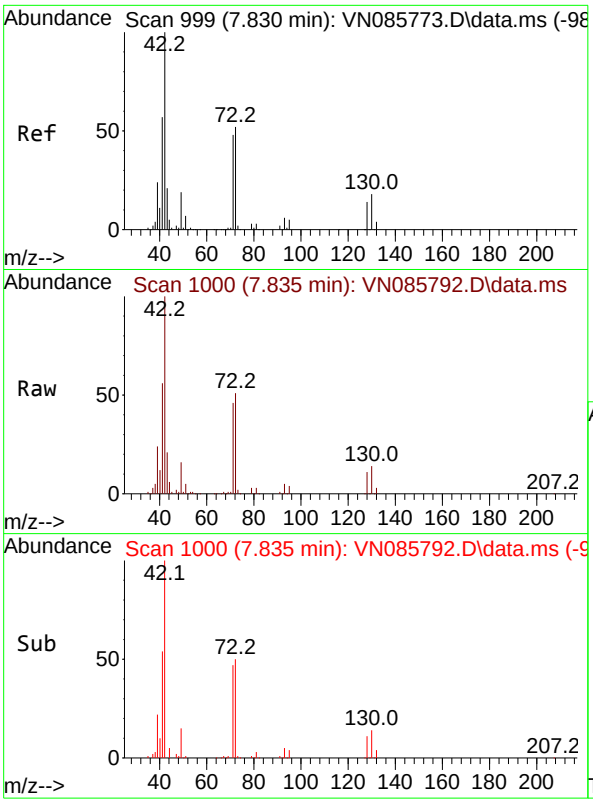


#28
Bromochloromethane
Concen: 56.231 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 49 Resp: 160850

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.6	68.0	102.0

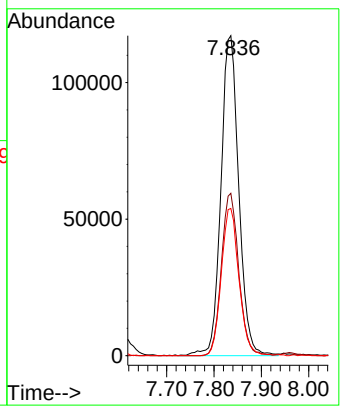




#29
Tetrahydrofuran
Concen: 250.245 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 42 Resp: 30690

Ion	Ratio	Lower	Upper
42	100		
72	49.5	40.0	60.0
71	45.5	37.0	55.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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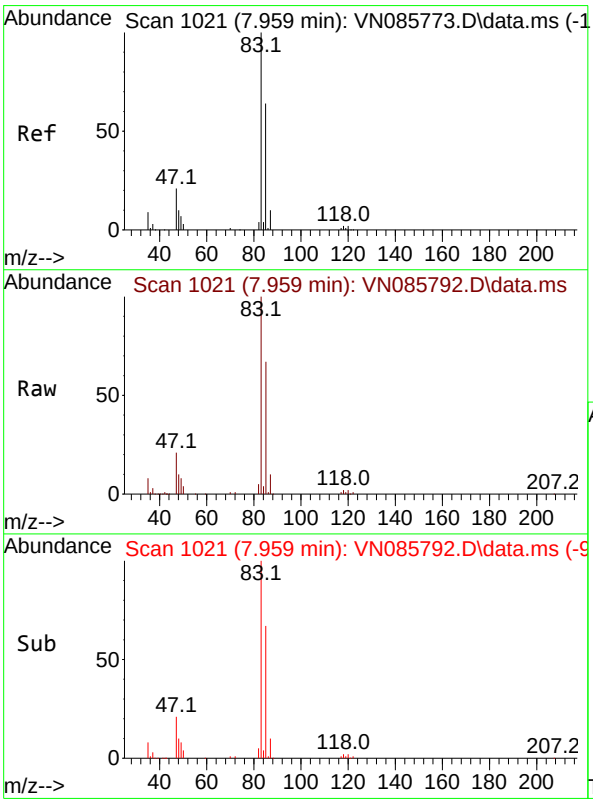
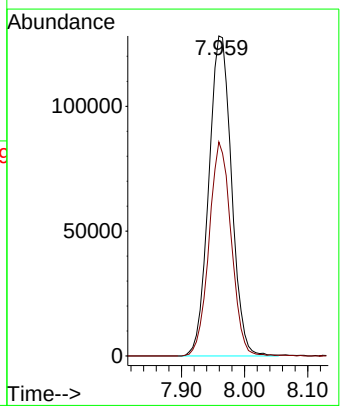
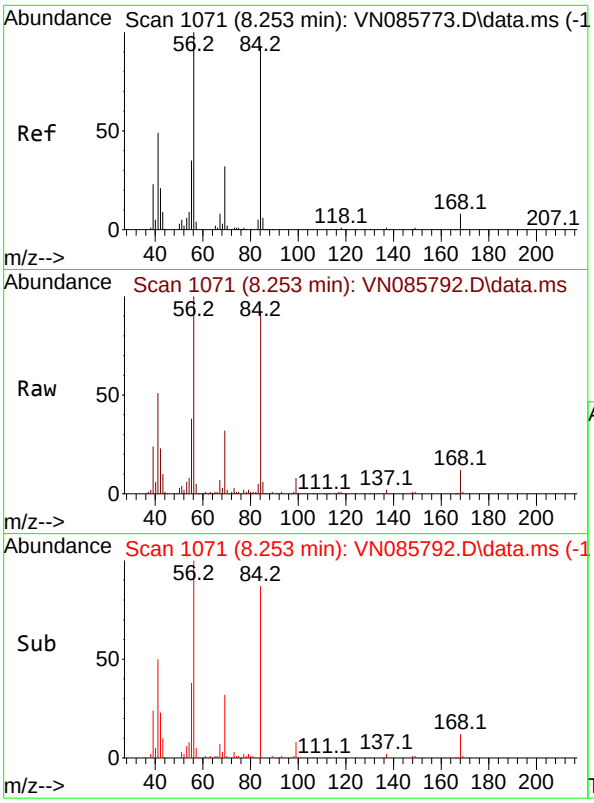


#30
Chloroform
Concen: 44.027 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 83 Resp: 320212

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.9	76.3

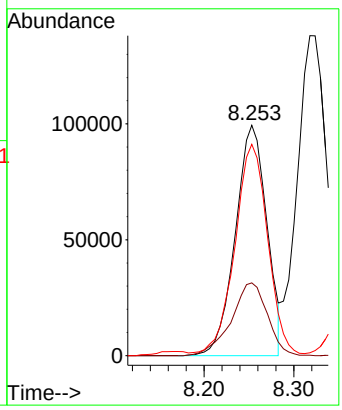




#31
Cyclohexane
Concen: 41.582 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 56 Resp: 24230

Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.8	38.6
84	89.9	74.5	111.7



Instrument :
MSVOA_N
ClientSampleId :
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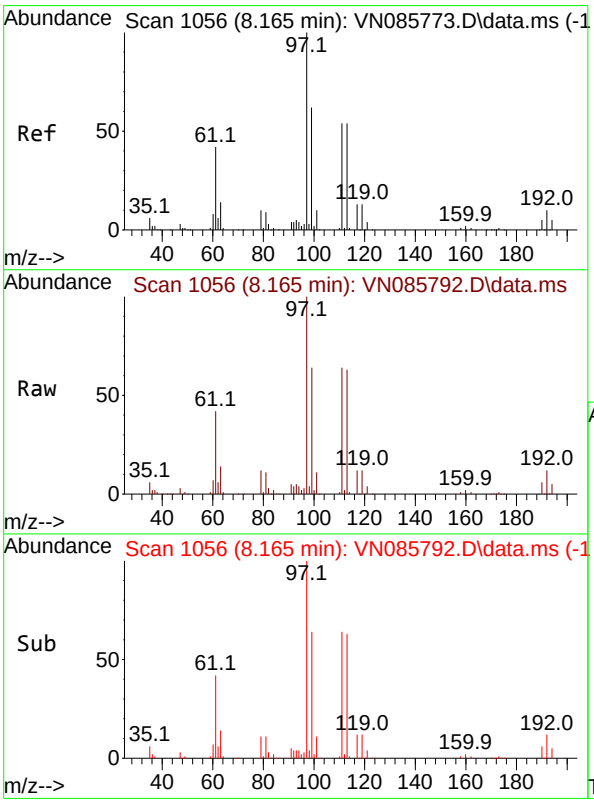
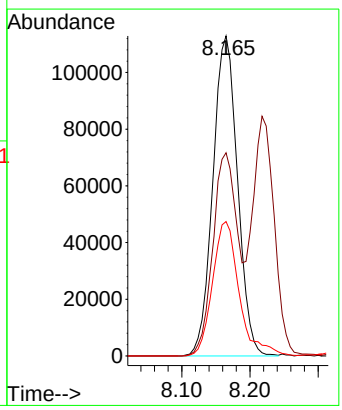
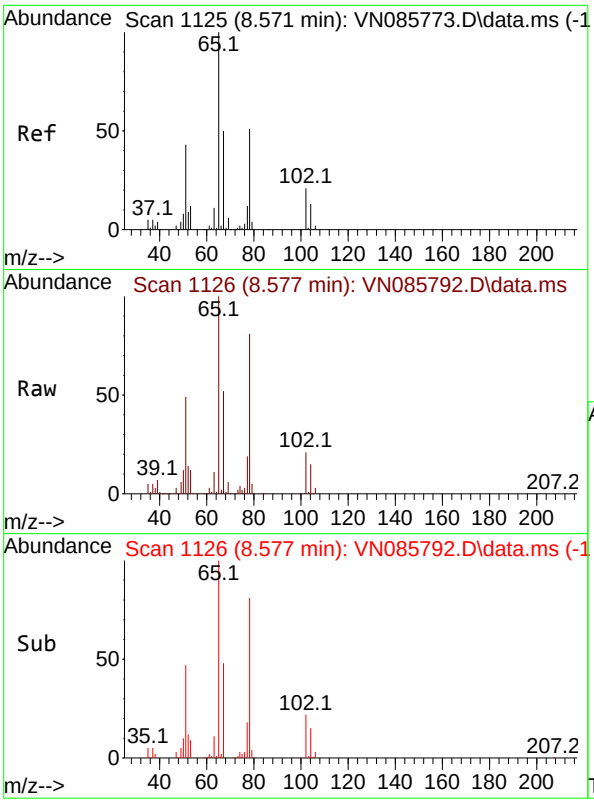


#32
1,1,1-Trichloroethane
Concen: 43.956 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 97 Resp: 284356

Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.4	75.6
61	45.4	35.5	53.3

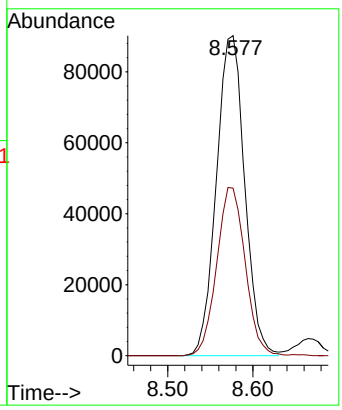




#33
1,2-Dichloroethane-d4
Concen: 51.022 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 65 Resp: 20816

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.2



Instrument :
MSVOA_N
ClientSampleId :
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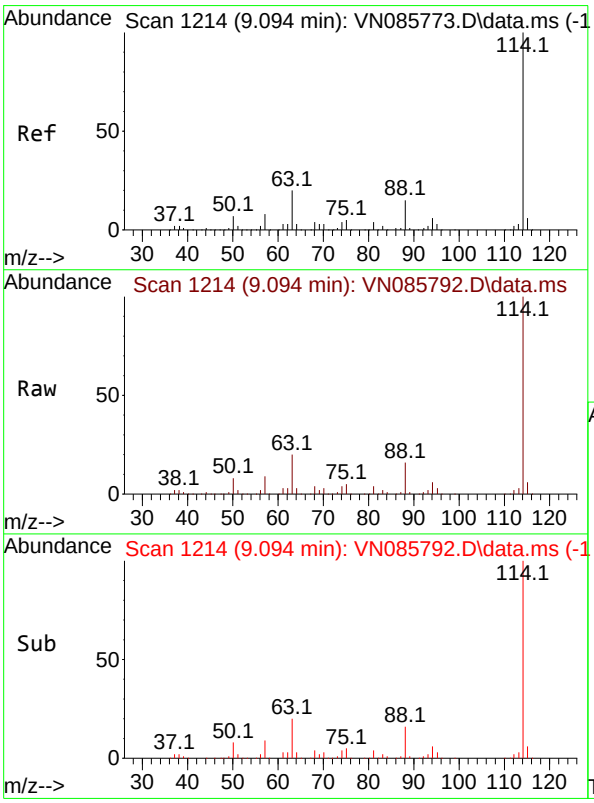
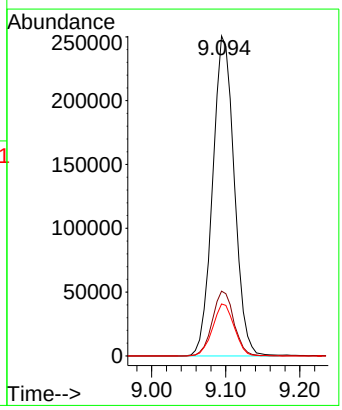
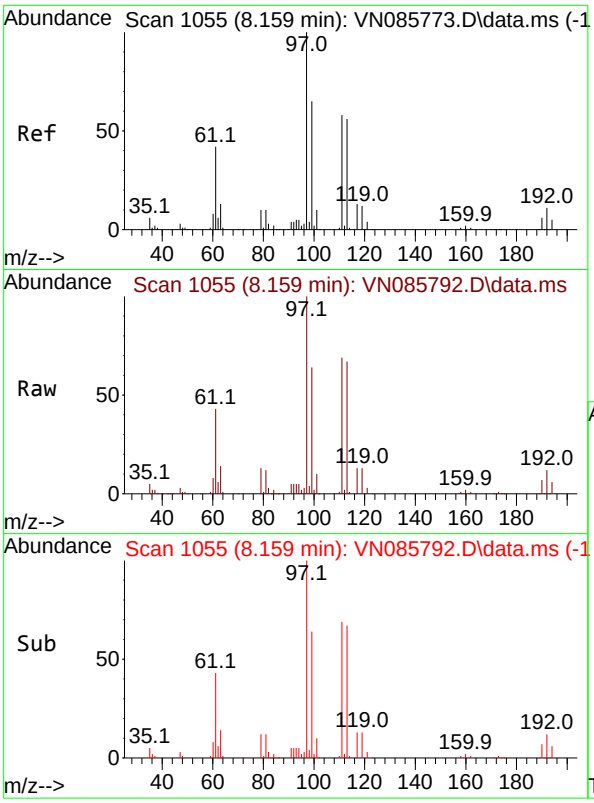


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:114 Resp: 508489

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.2
88	16.3	0.0	30.0

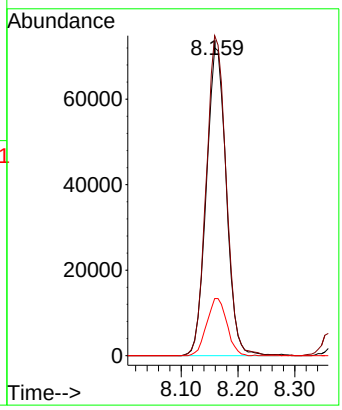




#35
Dibromofluoromethane
Concen: 52.754 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:113 Resp: 17552

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	18.7	14.7	22.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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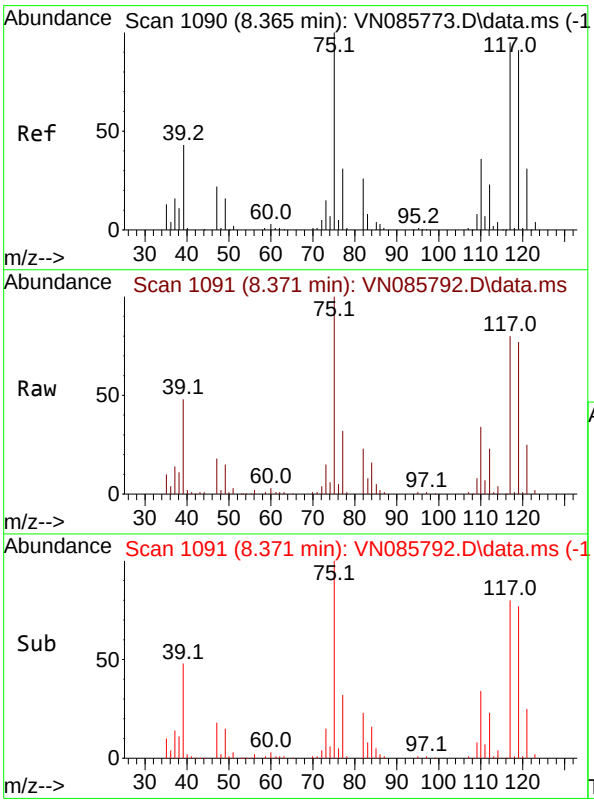
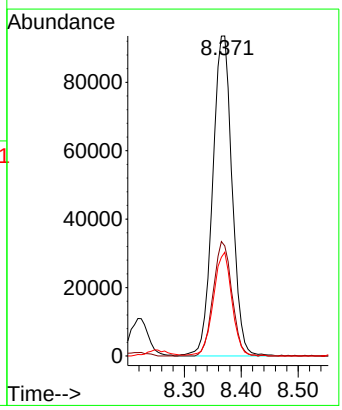
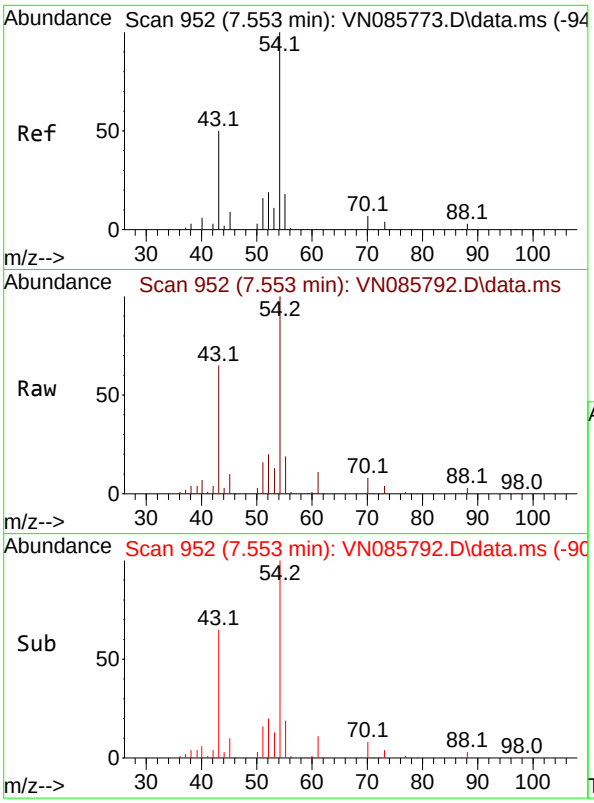


#36
1,1-Dichloropropene
Concen: 47.163 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 222094

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.3	52.0
77	31.0	24.6	37.0





#37
Ethyl Acetate
Concen: 48.325 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 18727

Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	12.1	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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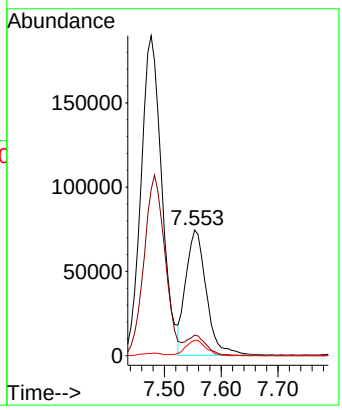
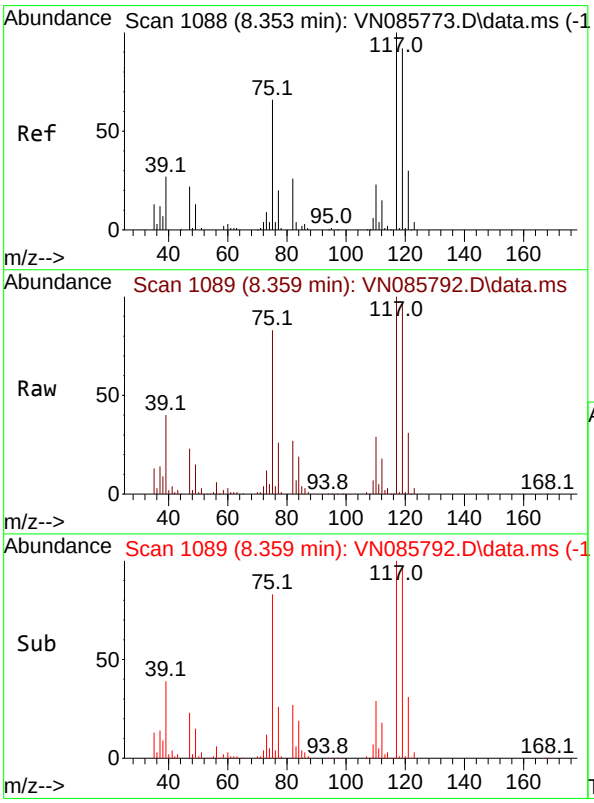
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

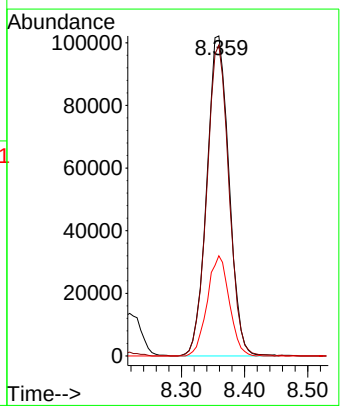


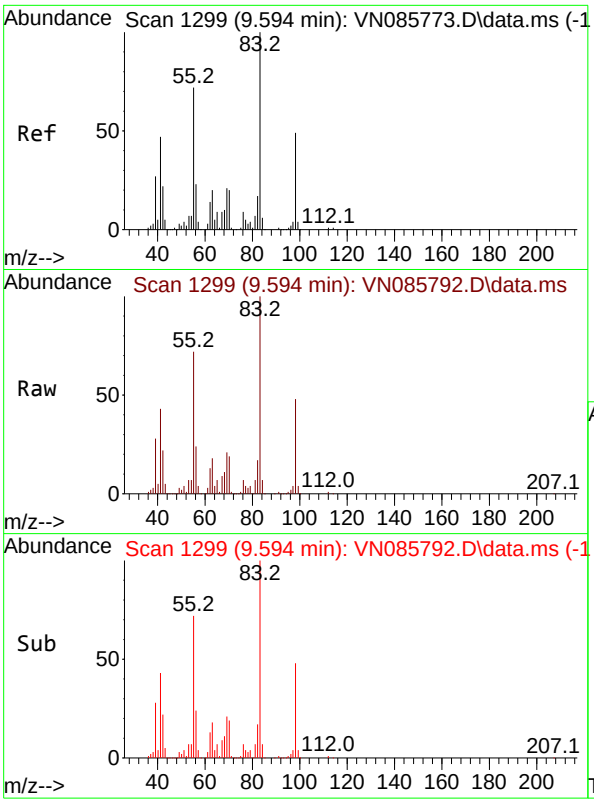


#38
Carbon Tetrachloride
Concen: 44.699 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:117 Resp: 250101

Ion	Ratio	Lower	Upper
117	100		
119	97.2	73.8	110.6
121	31.3	24.3	36.5





#39
Methylcyclohexane
Concen: 51.193 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 83 Resp: 23682

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.5	86.3
98	48.5	39.2	58.8

Instrument :
MSVOA_N
ClientSampleId :
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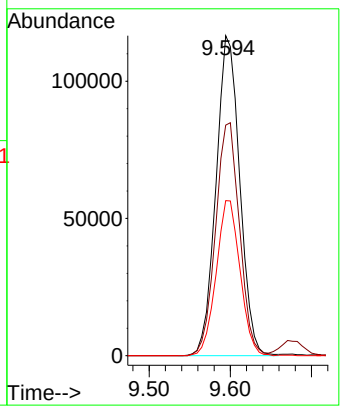
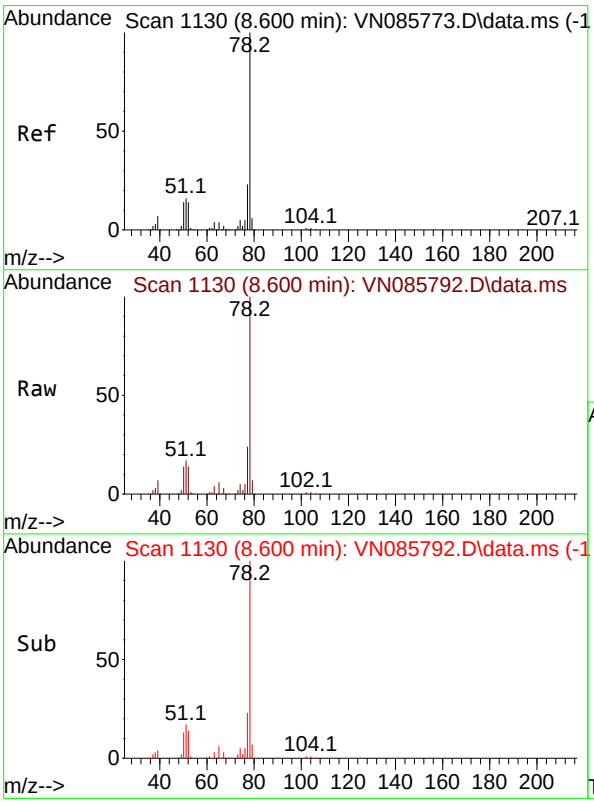
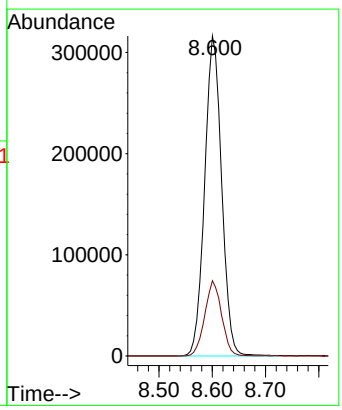


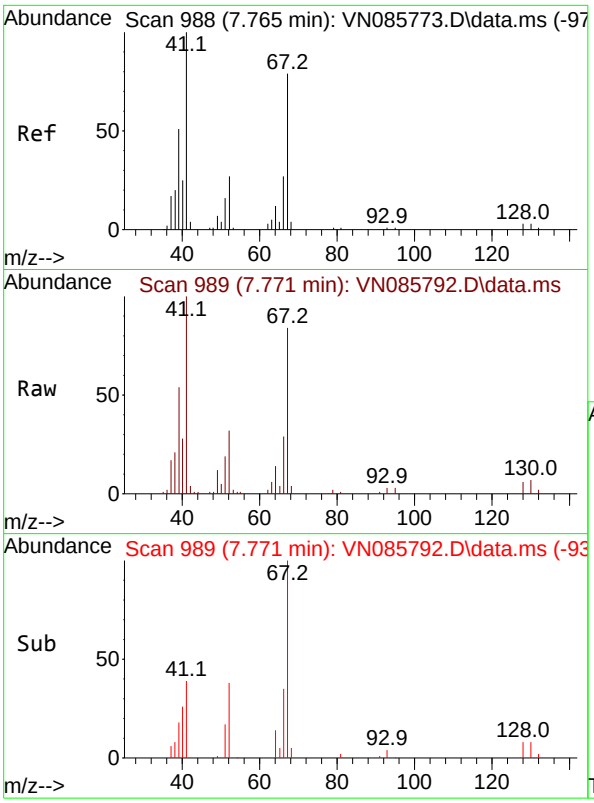


#40
Benzene
Concen: 46.405 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 78 Resp: 700374

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5

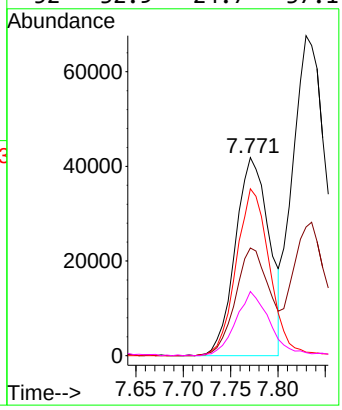




#41
Methacrylonitrile
Concen: 50.427 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 41 Resp: 10446

Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.0	63.0
67	83.3	64.2	96.4
52	32.9	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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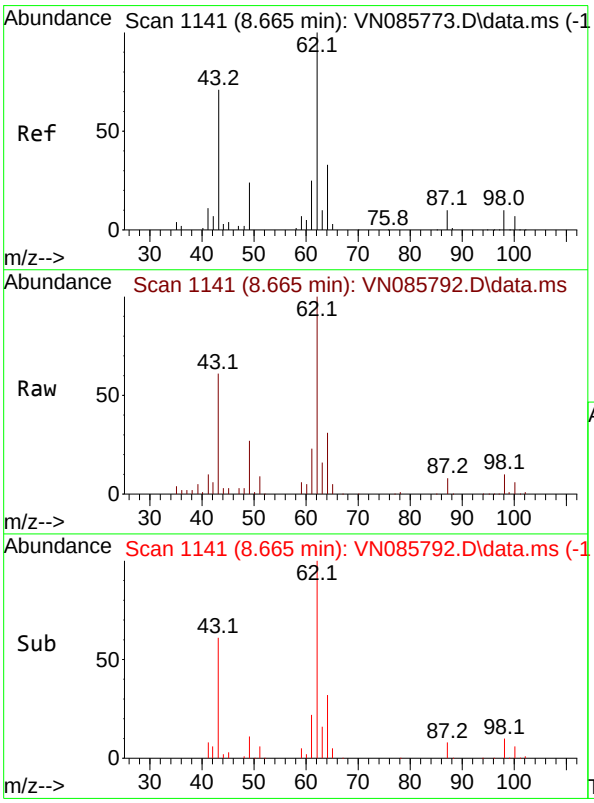
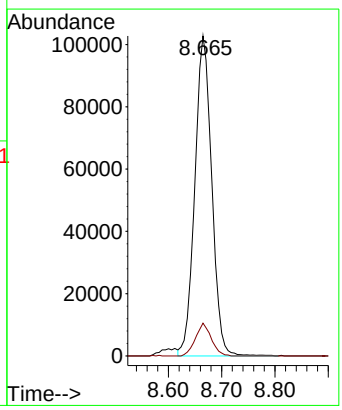
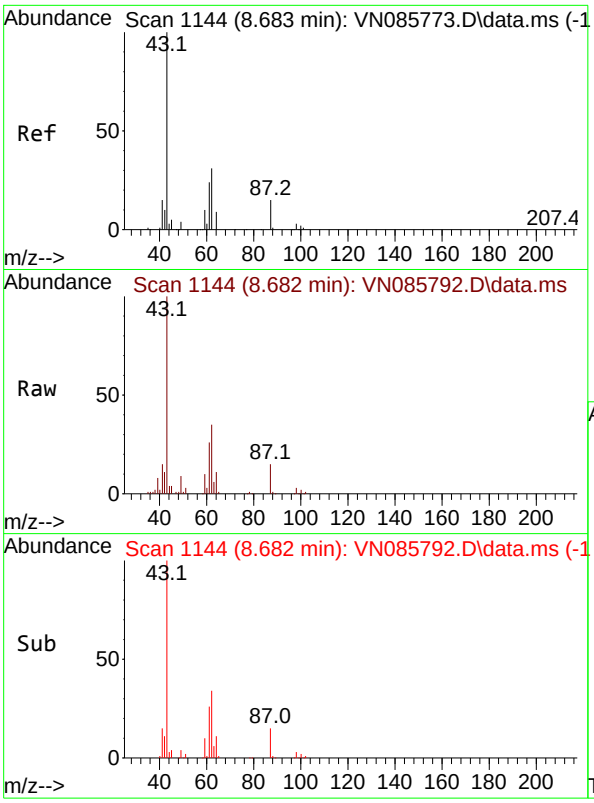


#42
1,2-Dichloroethane
Concen: 46.134 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 62 Resp: 226801

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





#43
Isopropyl Acetate
Concen: 47.833 ug/l
RT: 8.682 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 32547

Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.6	34.0
87	14.4	11.8	17.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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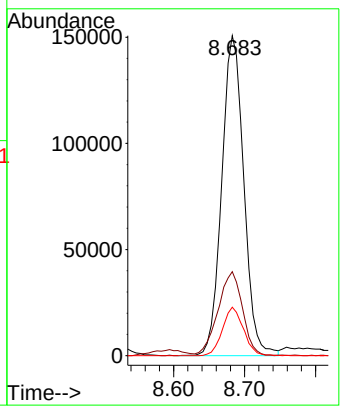
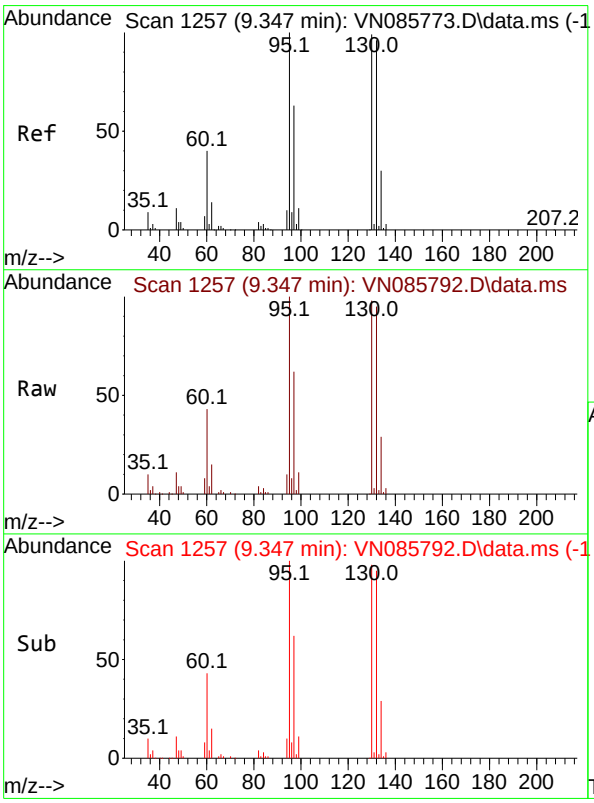
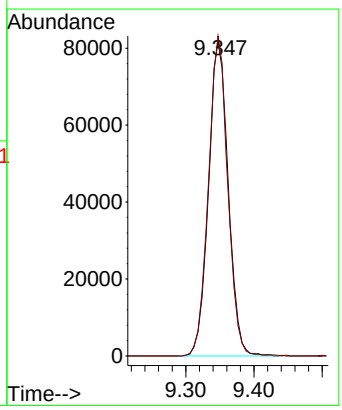


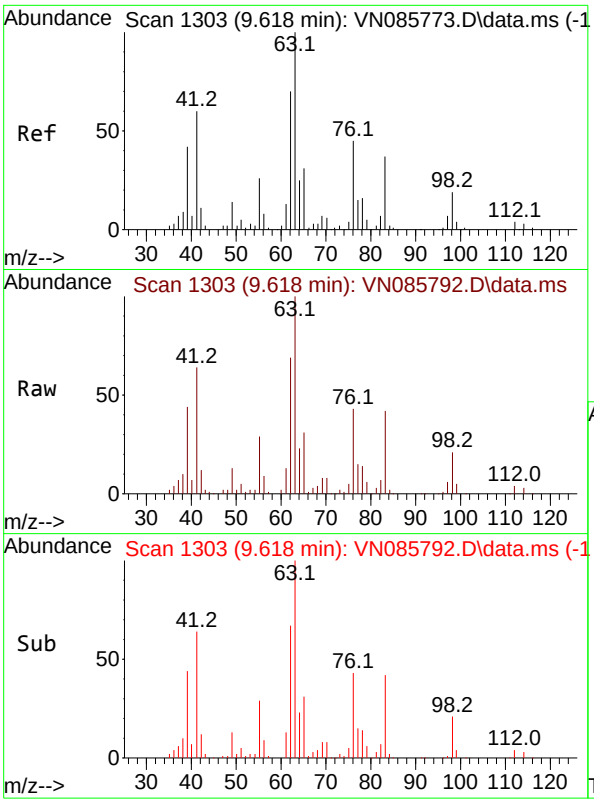


#44
Trichloroethene
Concen: 44.375 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:130 Resp: 164443

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	202.6

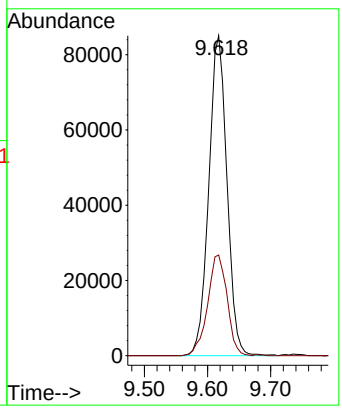




#45
1,2-Dichloropropane
Concen: 46.667 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 63 Resp: 17001

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.1	37.7



Instrument :
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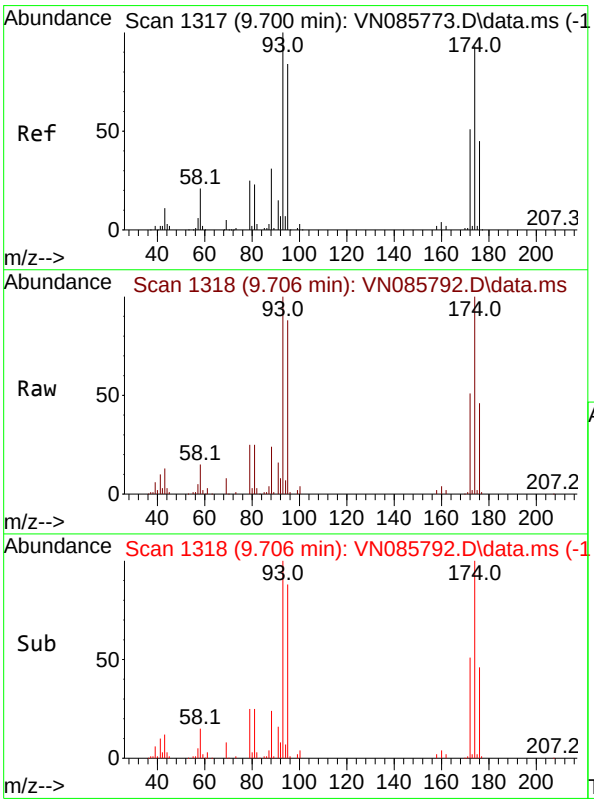
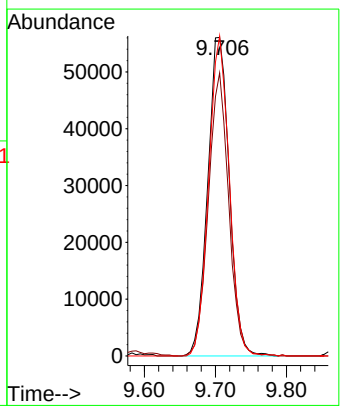
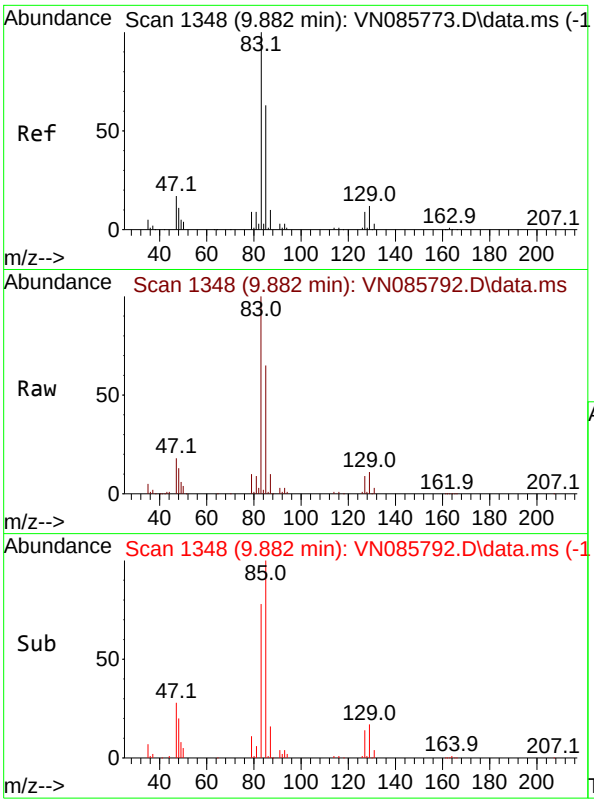


#46
Dibromomethane
Concen: 45.979 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 93 Resp: 118154

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.7	100.1
174	95.8	77.2	115.8

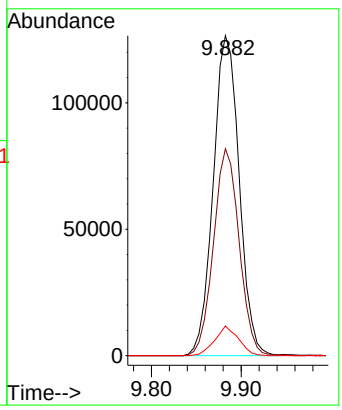




#47
Bromodichloromethane
Concen: 46.221 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 83 Resp: 25411

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.5	75.7
127	9.3	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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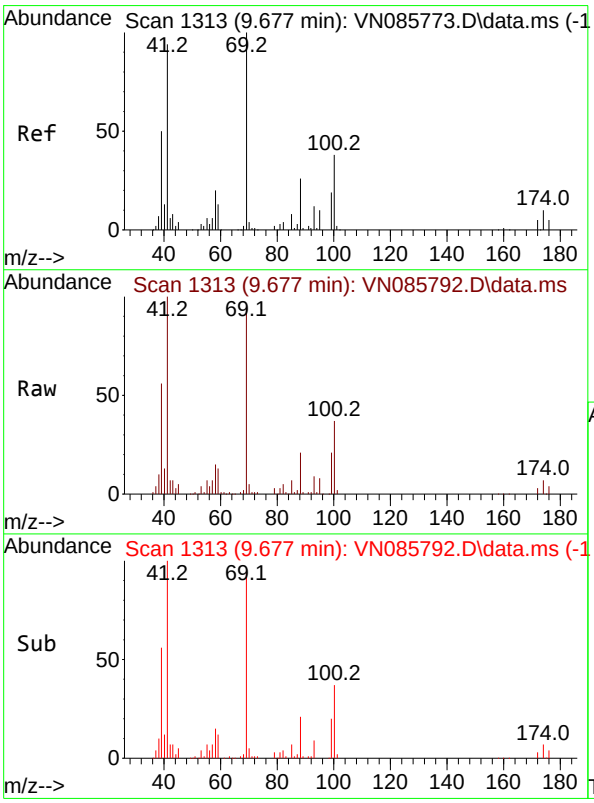
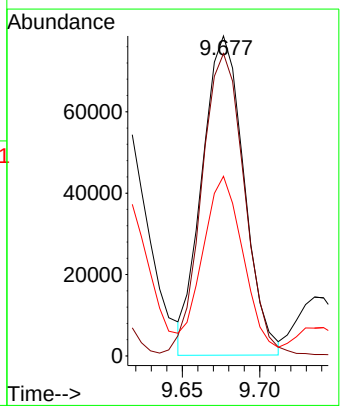
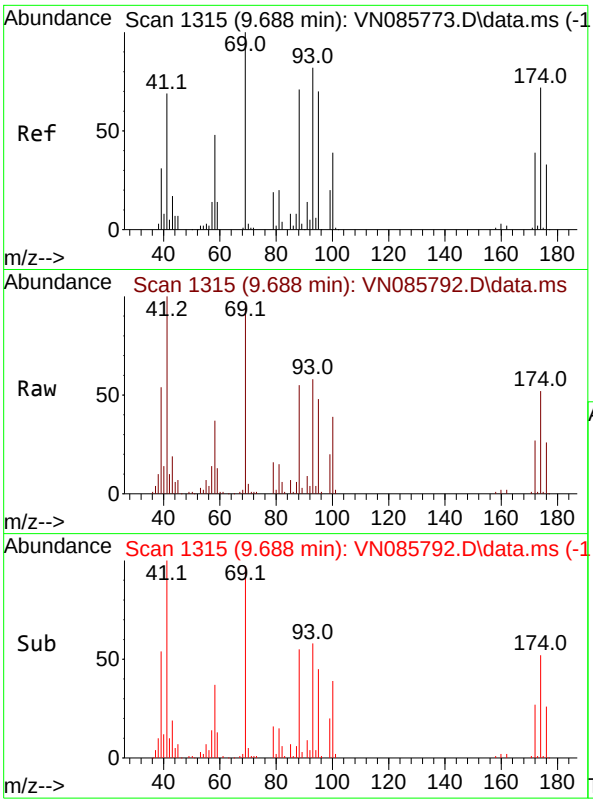


#48
Methyl methacrylate
Concen: 51.177 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 41 Resp: 147289

Ion	Ratio	Lower	Upper
41	100		
69	97.8	76.0	114.0
39	55.4	42.3	63.5

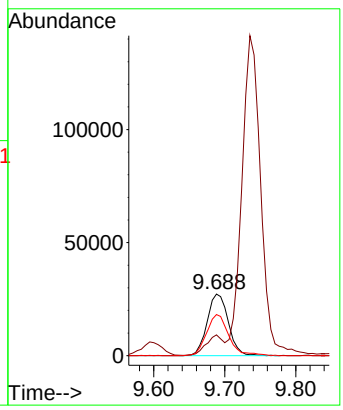




#49
1,4-Dioxane
Concen: 1029.861 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 88 Resp: 5636

Ion	Ratio	Lower	Upper
88	100		
43	26.6	18.6	27.8
58	70.3	56.7	85.1



Instrument :
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ClientSampleId :
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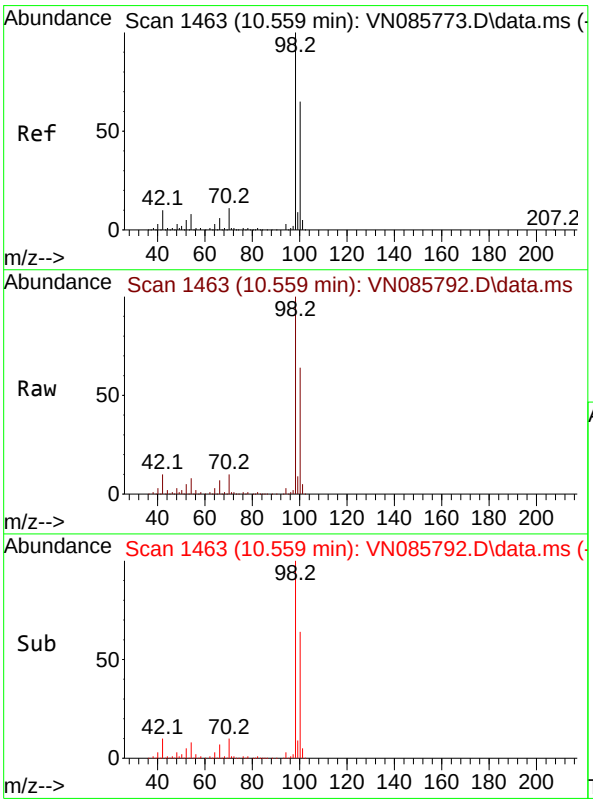
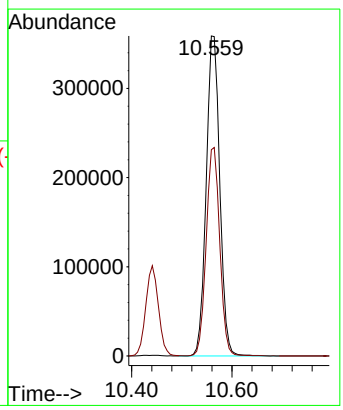
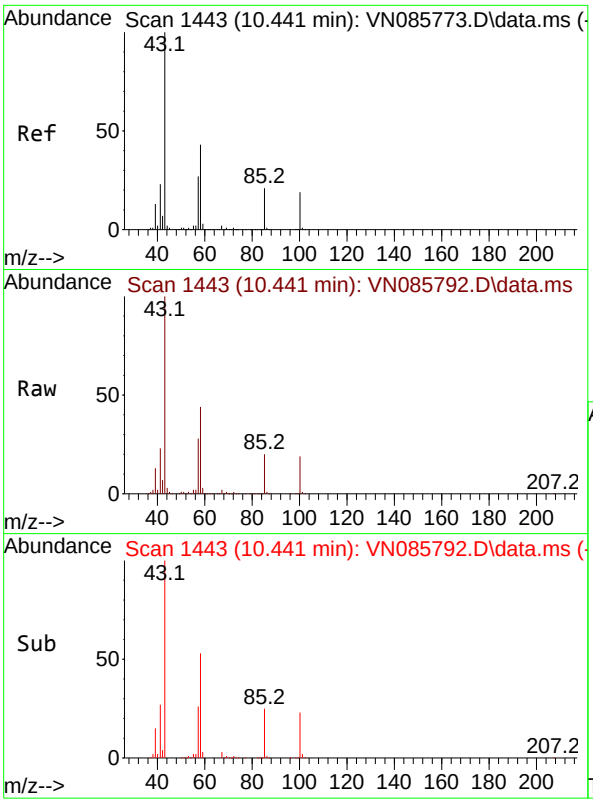


#50
Toluene-d8
Concen: 55.694 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 98 Resp: 674218

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1

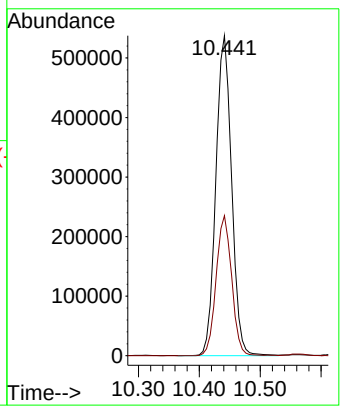




#51
4-Methyl-2-Pentanone
Concen: 258.644 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 96636

Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.6	52.0



Instrument :
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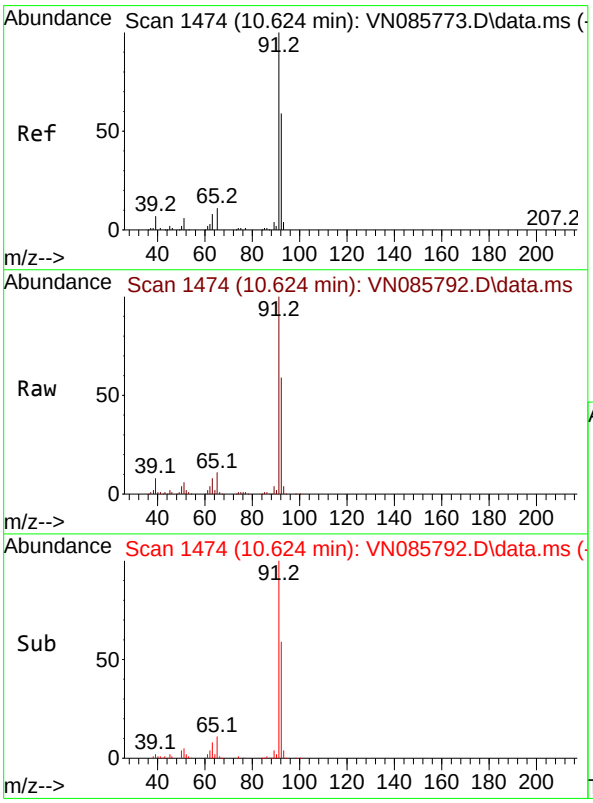
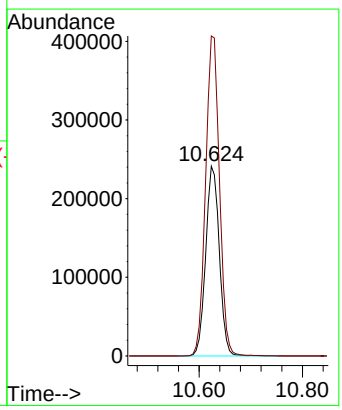
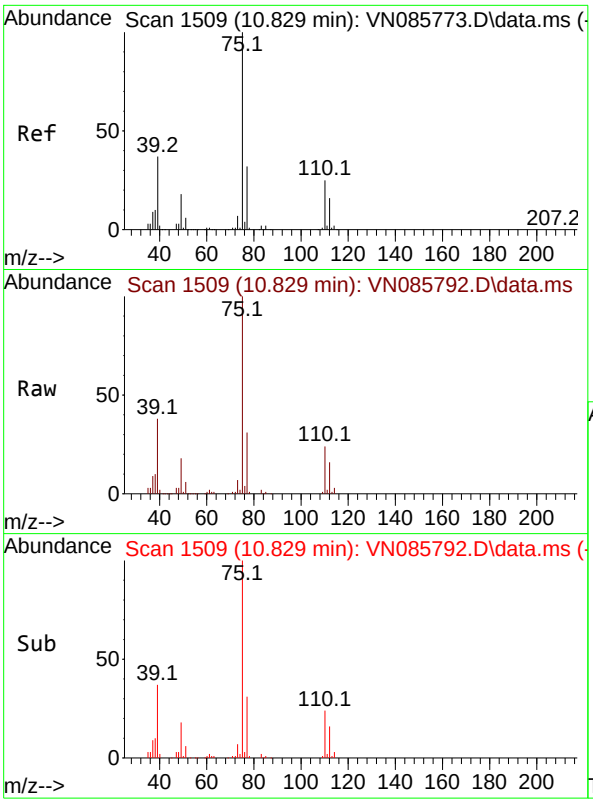


#52
Toluene
Concen: 49.882 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 92 Resp: 441319

Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.9	205.3

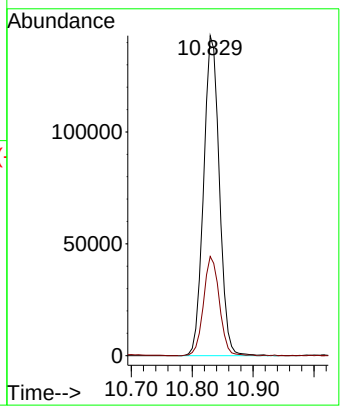




#53
t-1,3-Dichloropropene
Concen: 50.474 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 25660

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0



Instrument :
MSVOA_N
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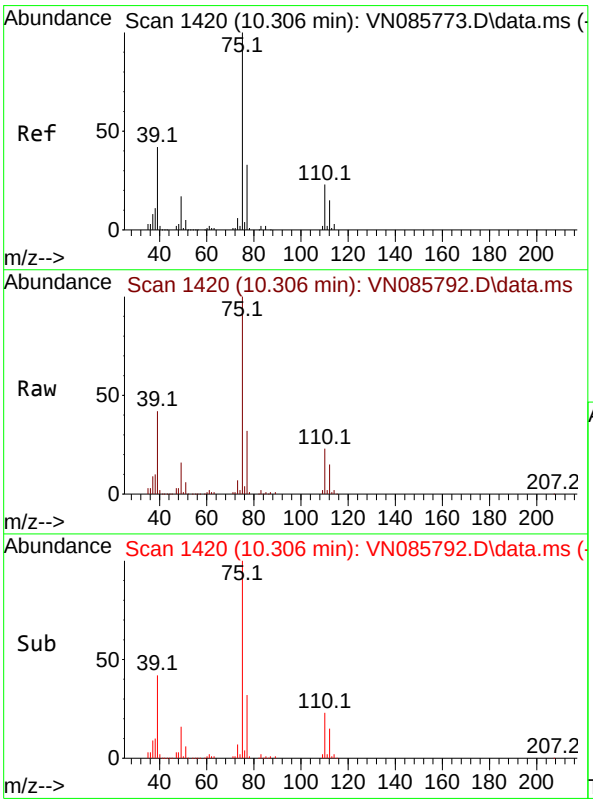
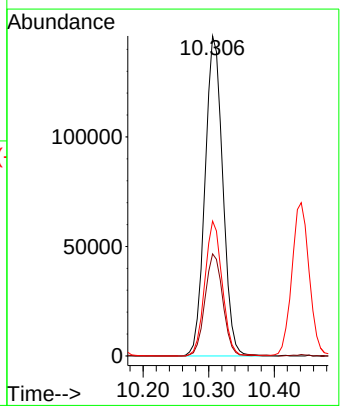
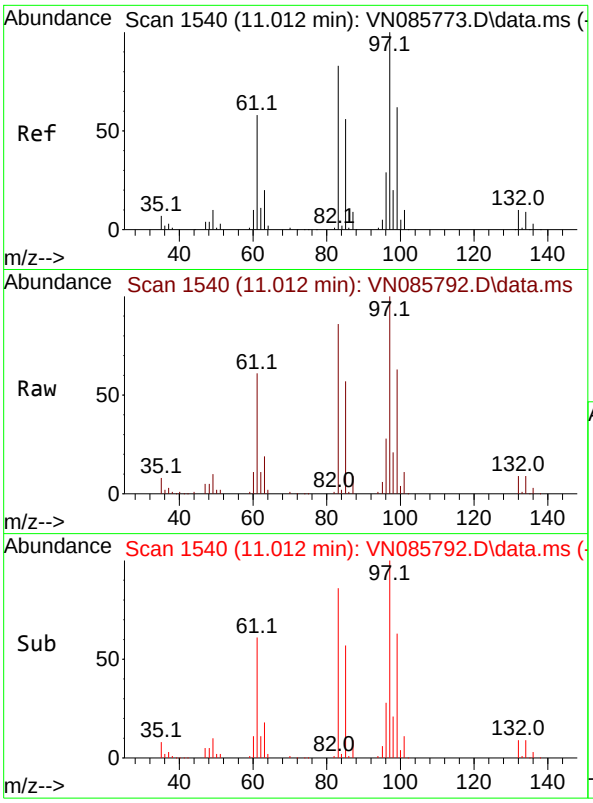


#54
cis-1,3-Dichloropropene
Concen: 49.435 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 275582

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.1	39.1
39	42.2	33.4	50.0

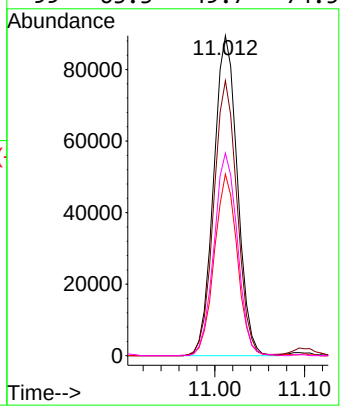




#55
1,1,2-Trichloroethane
Concen: 46.742 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 97 Resp: 16441

Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.1	99.1
85	56.8	44.7	67.1
99	63.3	49.7	74.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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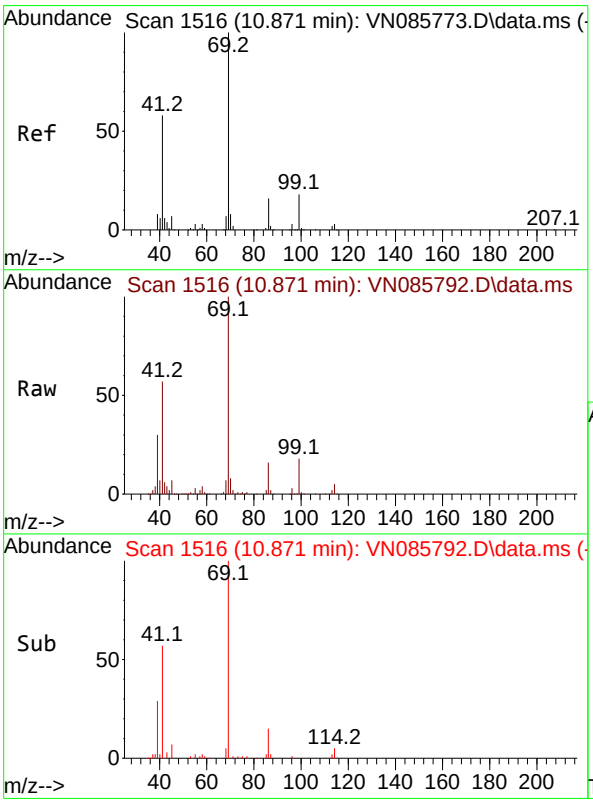
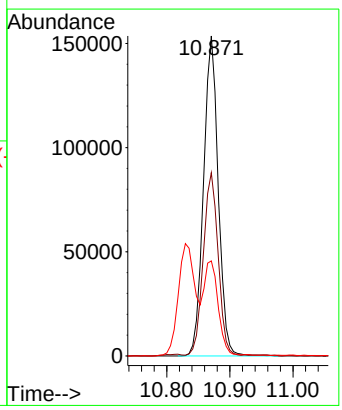
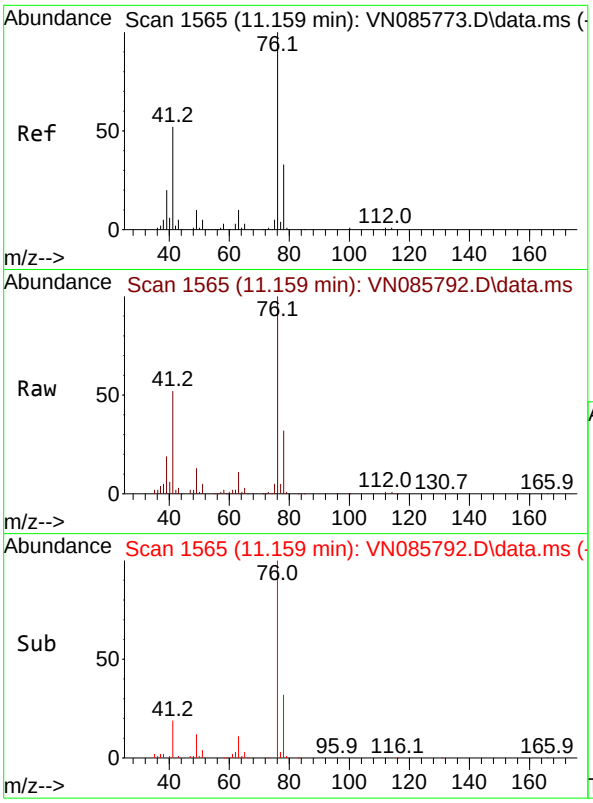


#56
Ethyl methacrylate
Concen: 49.269 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 69 Resp: 248737

Ion	Ratio	Lower	Upper
69	100		
41	57.4	46.0	69.0
39	28.6	22.0	33.0

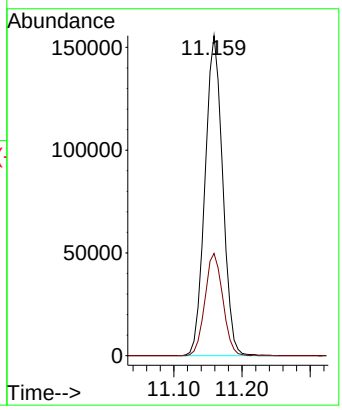




#57
1,3-Dichloropropane
Concen: 47.815 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 76 Resp: 28077

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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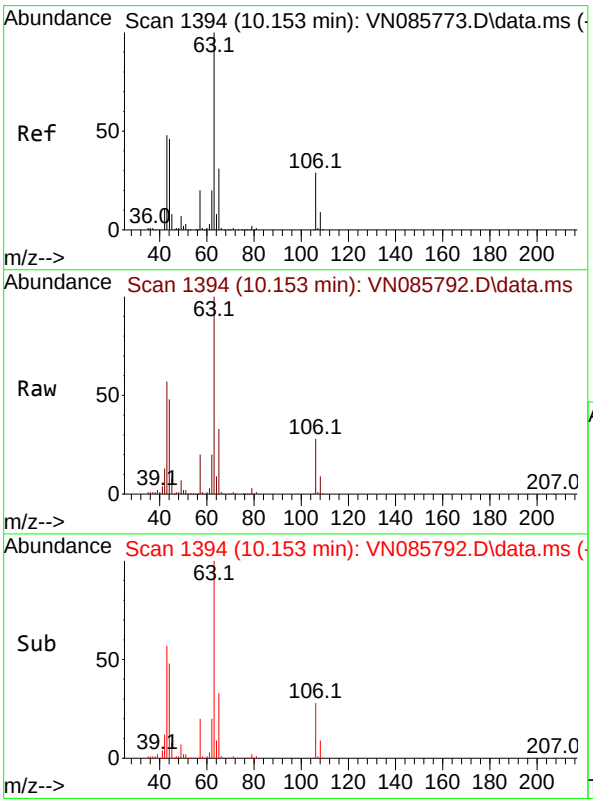
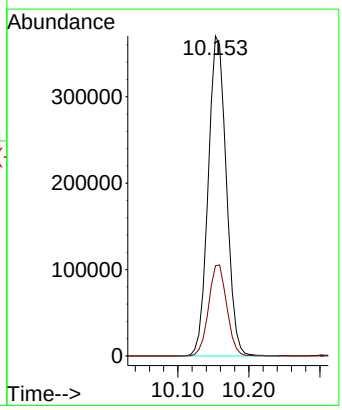
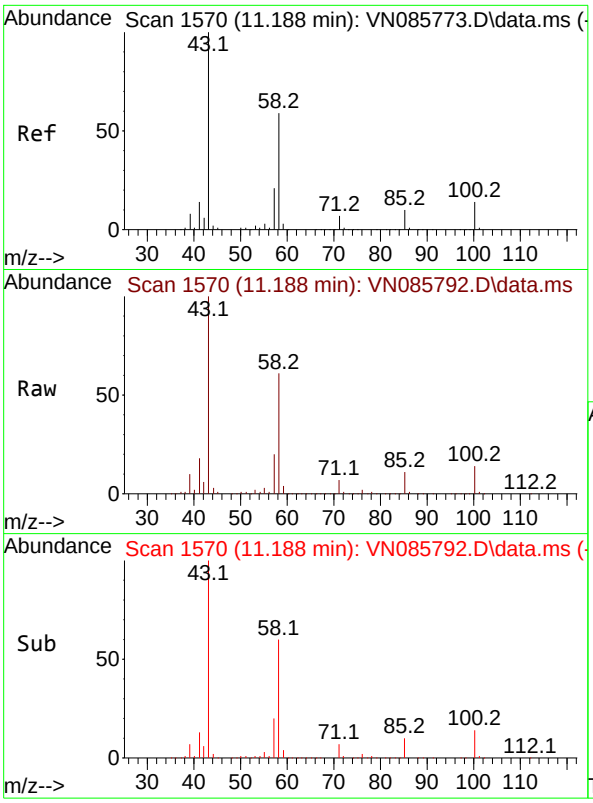


#58
2-Chloroethyl Vinyl ether
Concen: 308.192 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 63 Resp: 655472

Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.7	34.1





#59
2-Hexanone
Concen: 276.471 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 71062

Ion	Ratio	Lower	Upper
43	100		
58	60.2	29.8	89.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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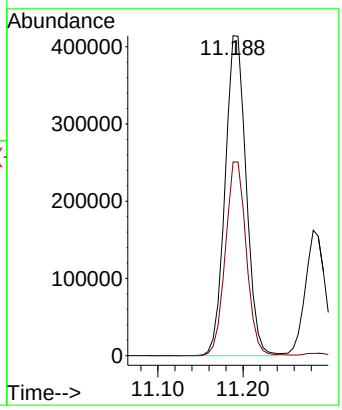
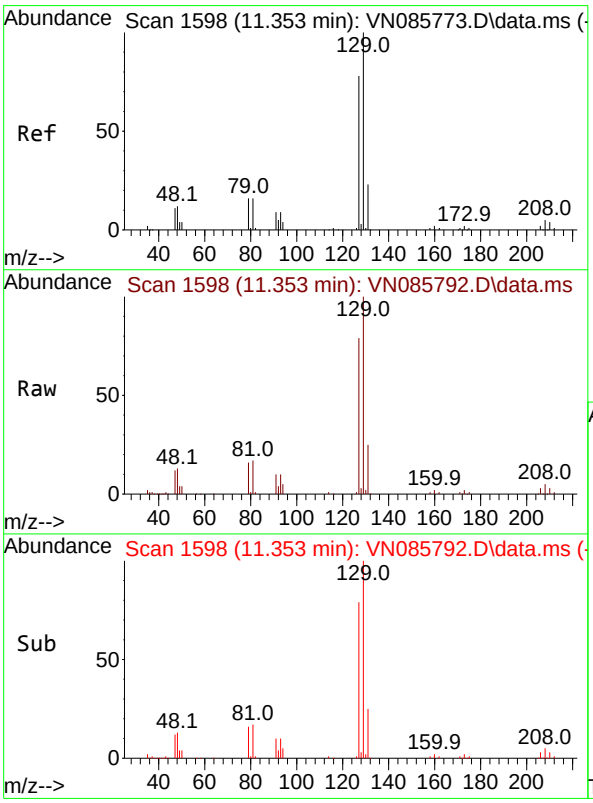
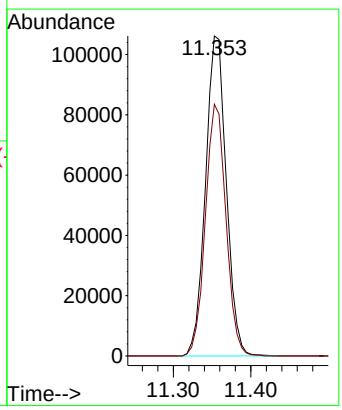


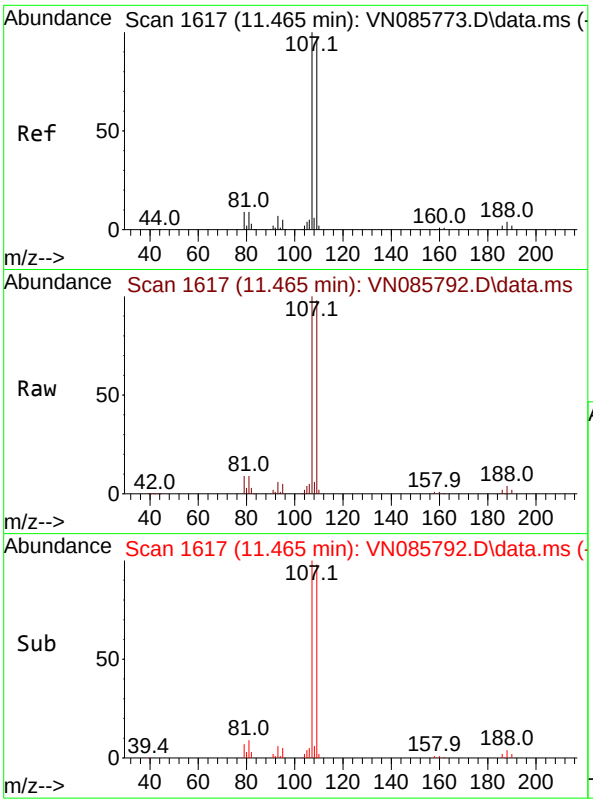


#60
Dibromochloromethane
Concen: 48.286 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:129 Resp: 197780

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.5

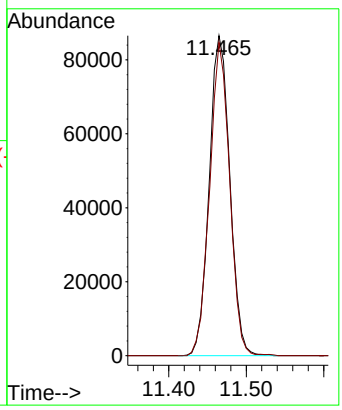




#61
1,2-Dibromoethane
Concen: 48.170 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:107 Resp: 16009

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0



Instrument :
MSVOA_N
ClientSampleId :
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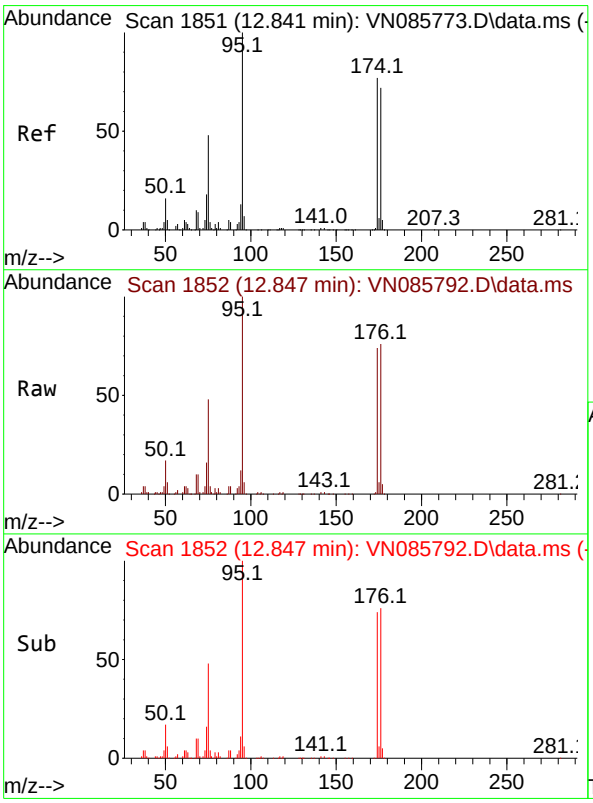
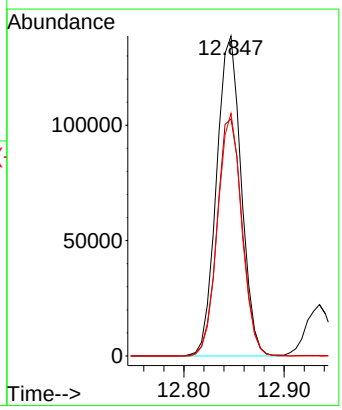
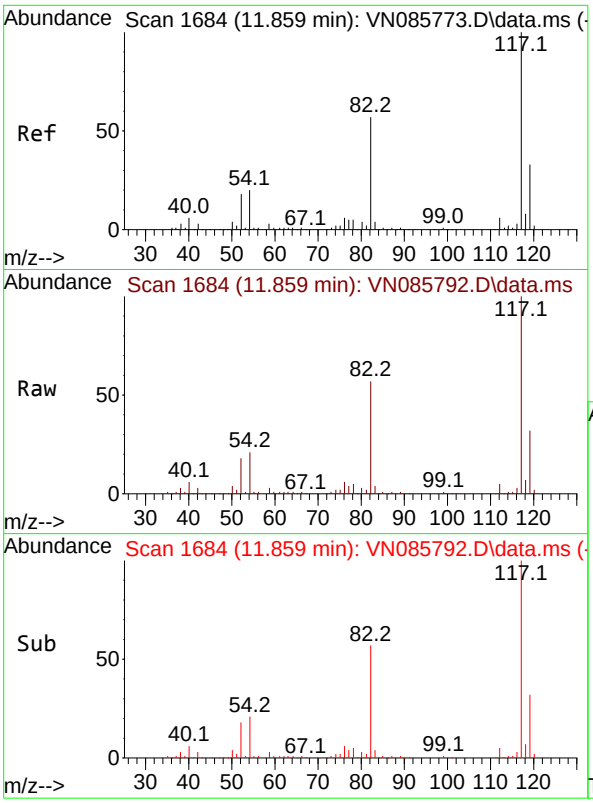


#62
4-Bromofluorobenzene
Concen: 59.322 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 95 Resp: 236610

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	152.4
176	73.9	0.0	146.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:117 Resp: 45838

Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.7	68.5
119	32.2	26.2	39.2

Instrument :
MSVOA_N
ClientSampleId :
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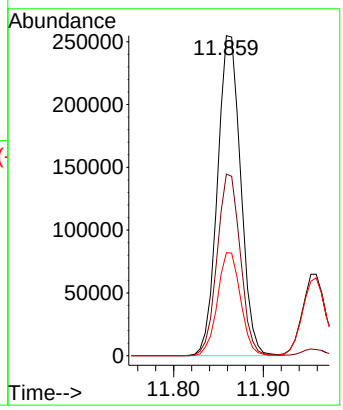
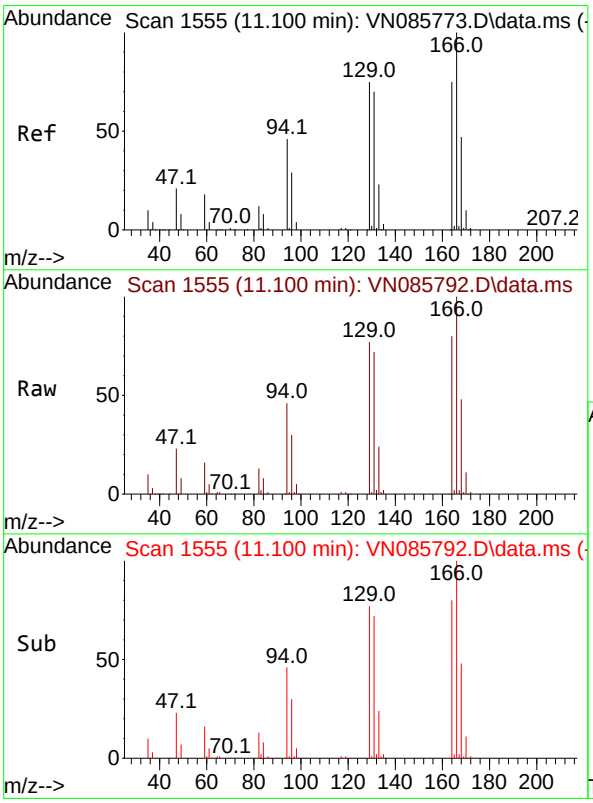
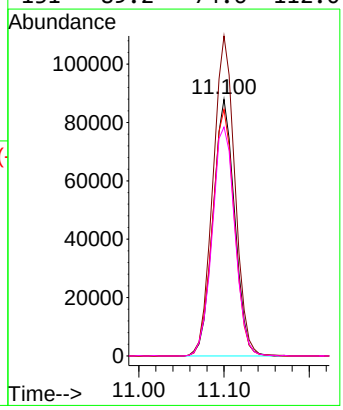


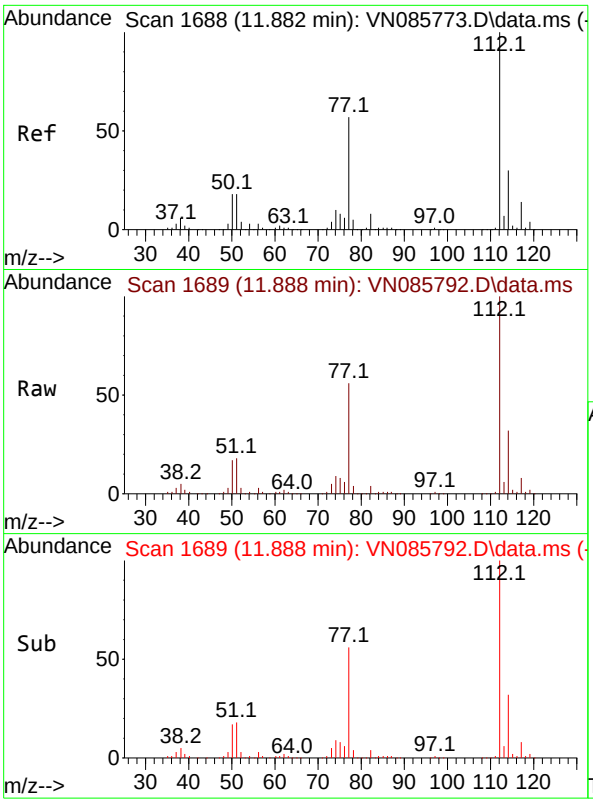


#64
Tetrachloroethene
Concen: 43.550 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:164 Resp: 154650

Ion	Ratio	Lower	Upper
164	100		
166	124.6	107.2	160.8
129	96.1	80.7	121.1
131	89.2	74.6	112.0

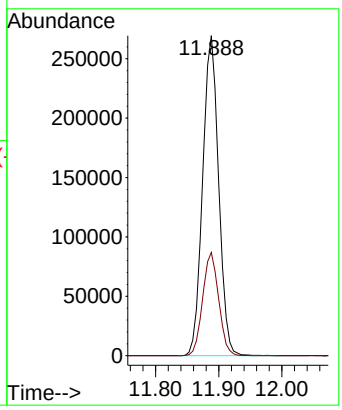




#65
Chlorobenzene
Concen: 45.077 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:112 Resp: 47334

Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
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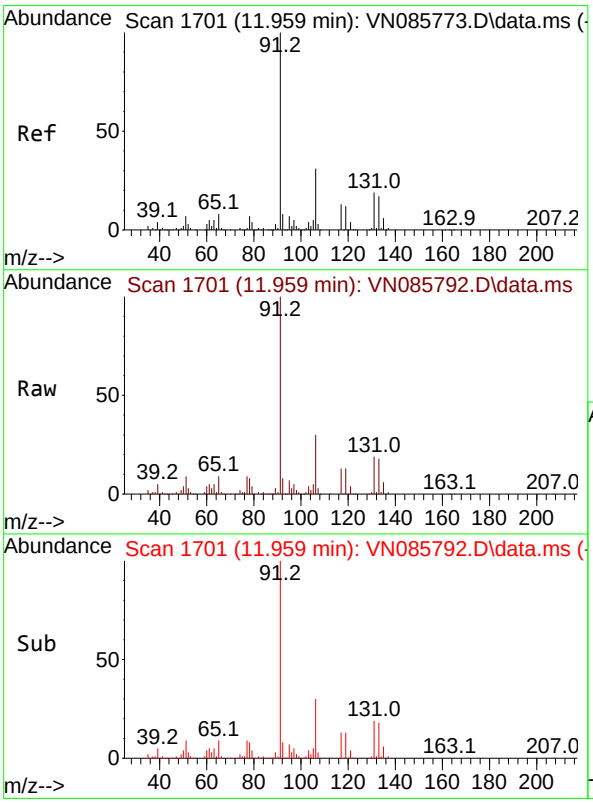
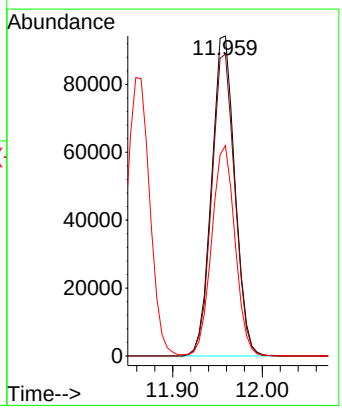
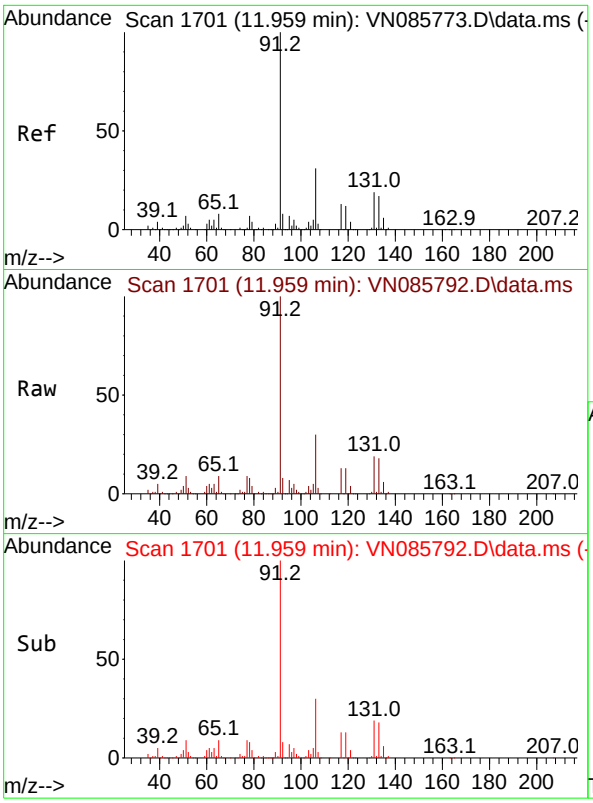


#66
1,1,1,2-Tetrachloroethane
Concen: 44.959 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:131 Resp: 169690

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.7	143.1
119	65.9	33.3	99.8

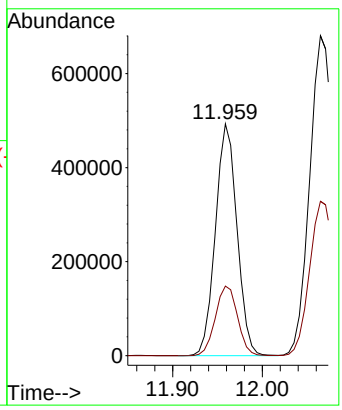




#67
Ethyl Benzene
Concen: 49.970 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 91 Resp: 82196

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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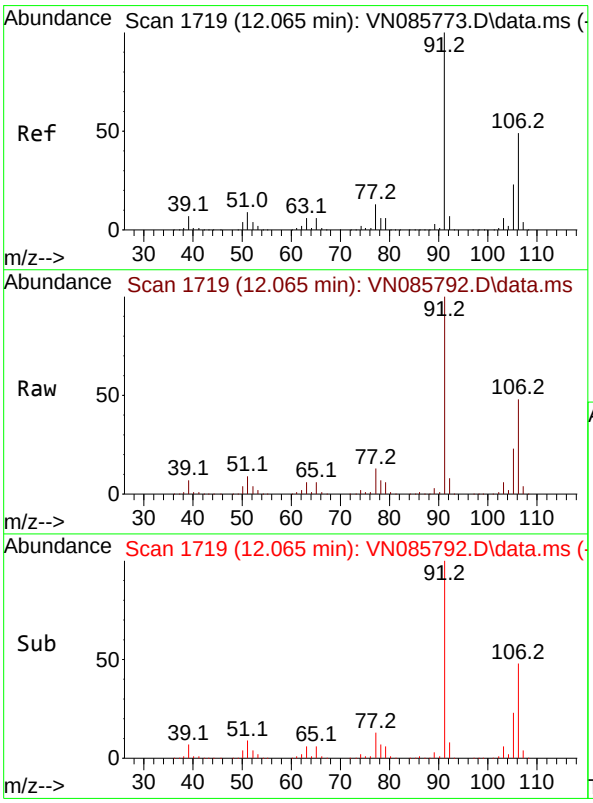
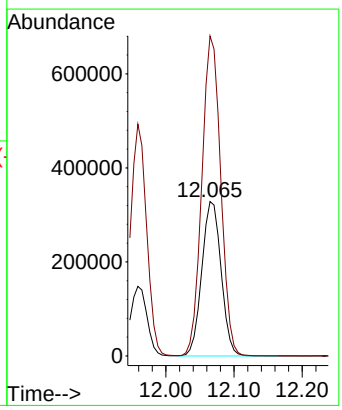
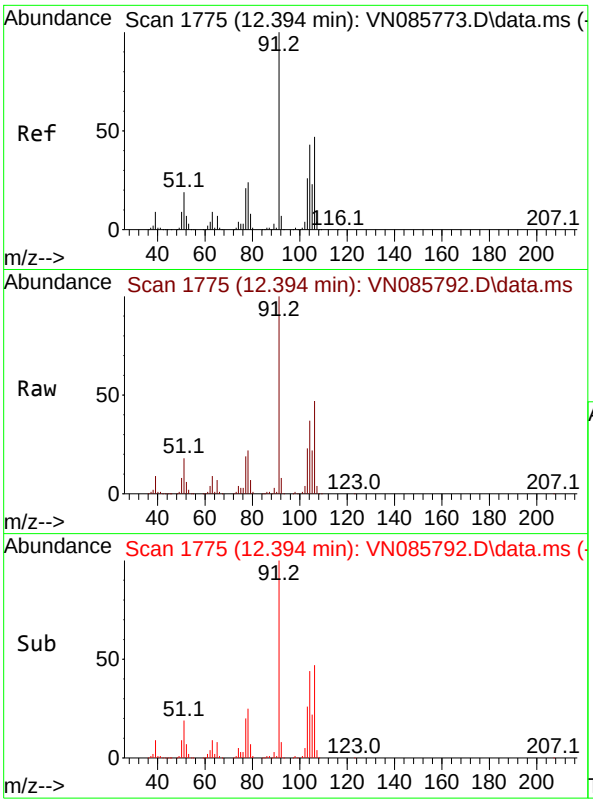


#68
m/p-Xylenes
Concen: 103.338 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:106 Resp: 645674

Ion	Ratio	Lower	Upper
106	100		
91	202.7	163.3	244.9





#69
o-Xylene
Concen: 51.340 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:106 Resp: 30482

Ion	Ratio	Lower	Upper
106	100		
91	214.3	107.1	321.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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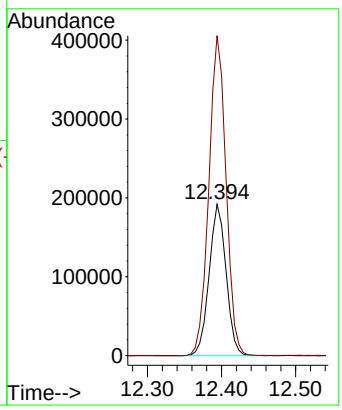
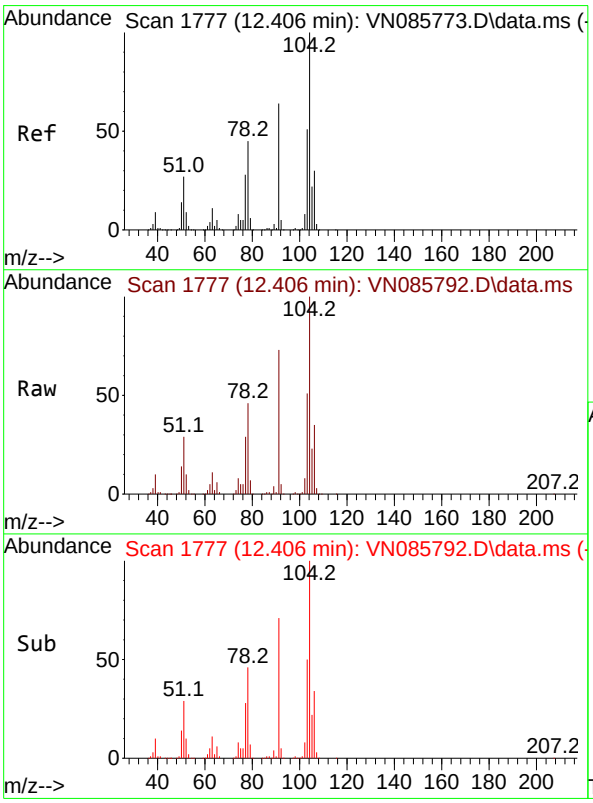
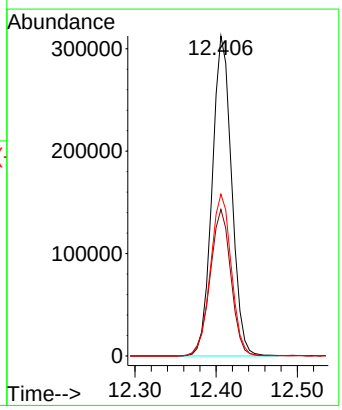


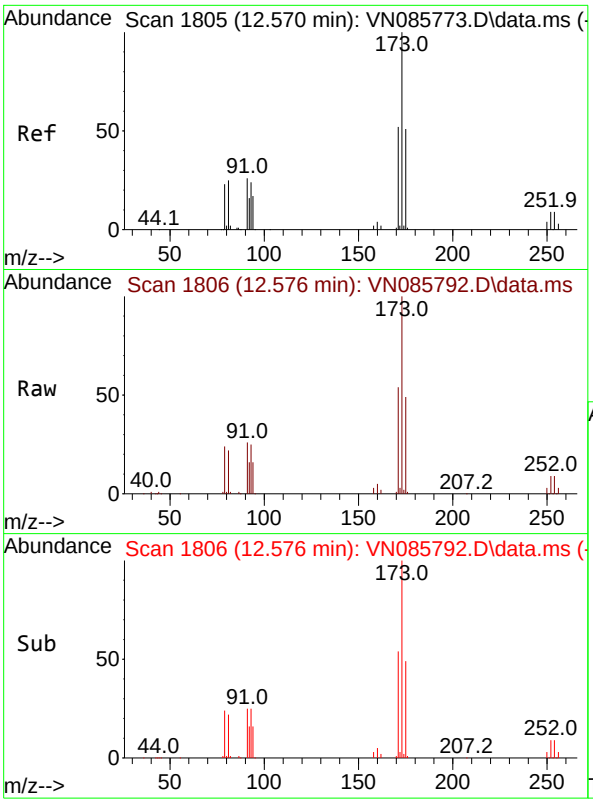


#70
Styrene
Concen: 47.549 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:104 Resp: 522609

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.6
103	54.1	43.3	64.9





#71
Bromoform
Concen: 47.464 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:173 Resp: 13311

Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.1	75.4
254	0.1	0.0	0.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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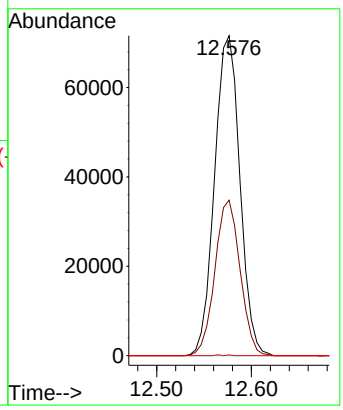
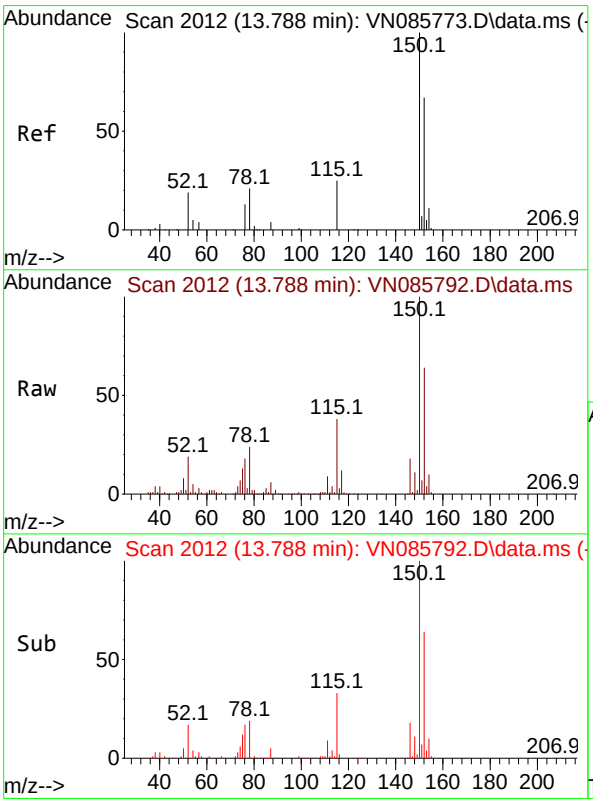
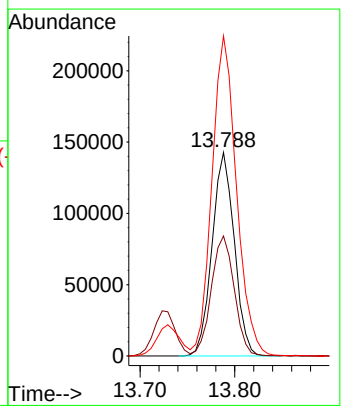


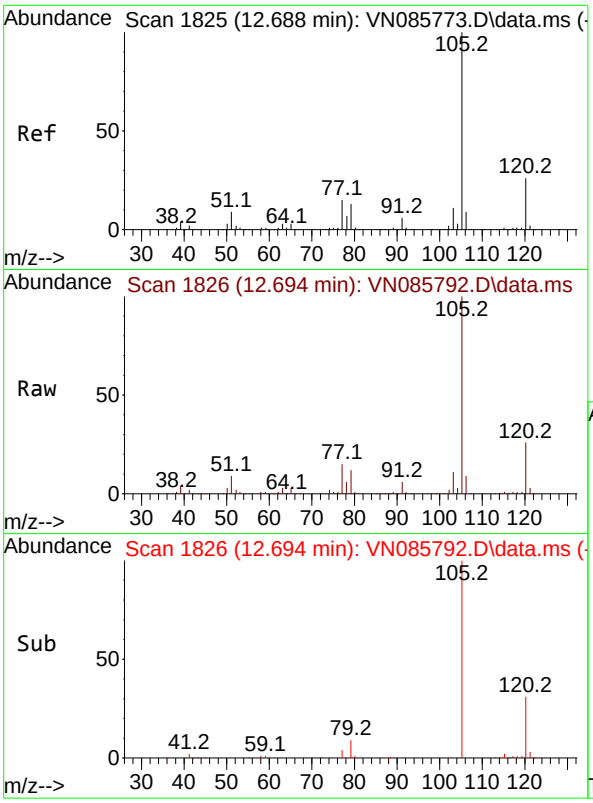


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:152 Resp: 232482

Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.4	91.3
150	173.6	0.0	345.4





#73
Isopropylbenzene
Concen: 48.243 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:105 Resp: 76837

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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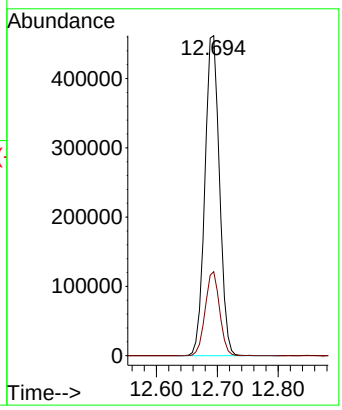
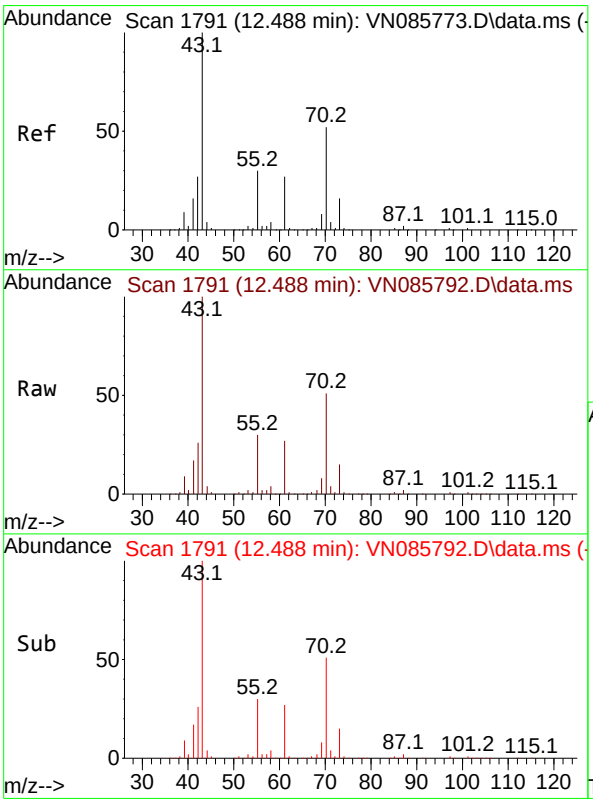
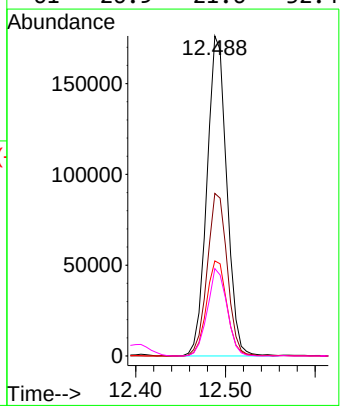


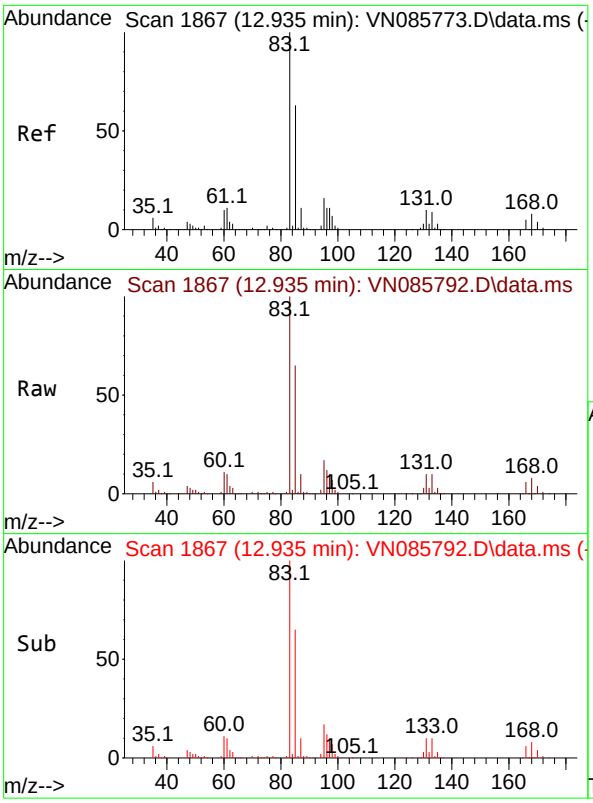


#74
N-amyl acetate
Concen: 48.207 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 270762

Ion	Ratio	Lower	Upper
43	100		
70	51.1	41.0	61.4
55	30.4	24.6	36.8
61	26.9	21.6	32.4

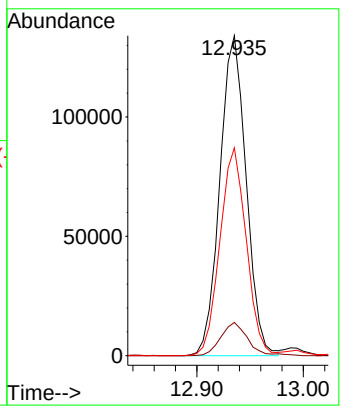




#75
1,1,2,2-Tetrachloroethane
Concen: 41.964 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 83 Resp: 22999

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.0	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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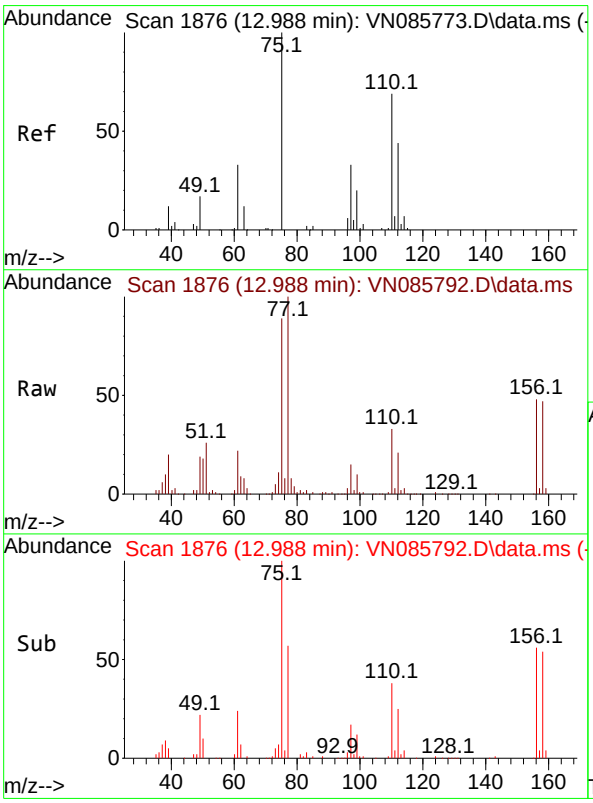
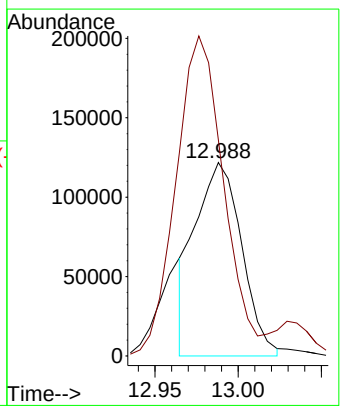
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

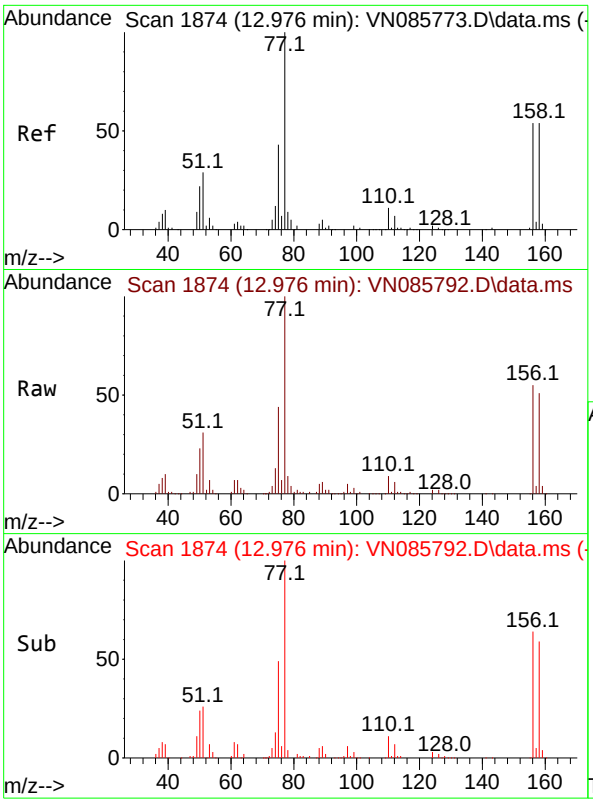


#76
1,2,3-Trichloropropane
Concen: 45.728 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 236151

Ion	Ratio	Lower	Upper
75	100		
77	171.6	100.0	300.0

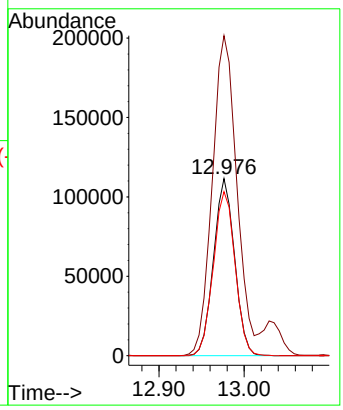




#77
Bromobenzene
Concen: 44.367 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:156 Resp: 19091

Ion	Ratio	Lower	Upper
156	100		
77	212.3	104.1	312.3
158	95.8	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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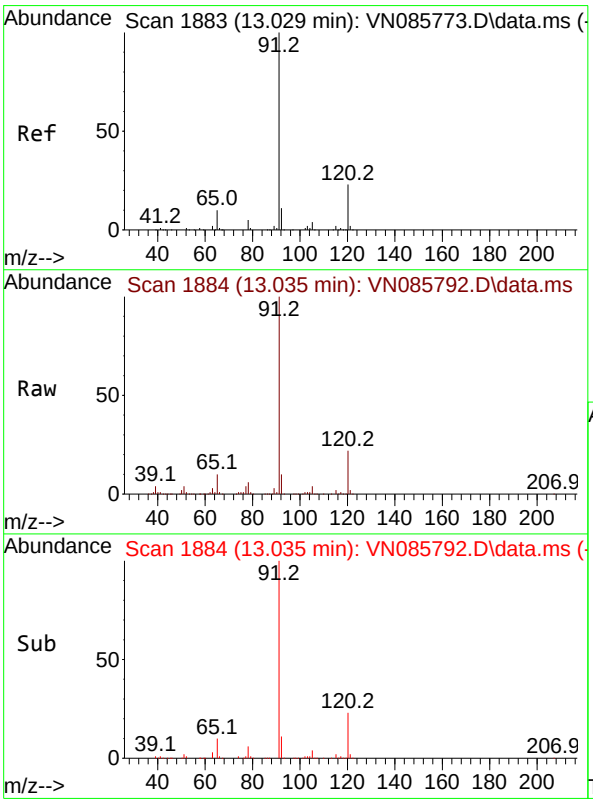
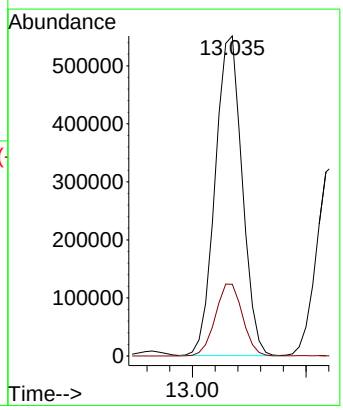
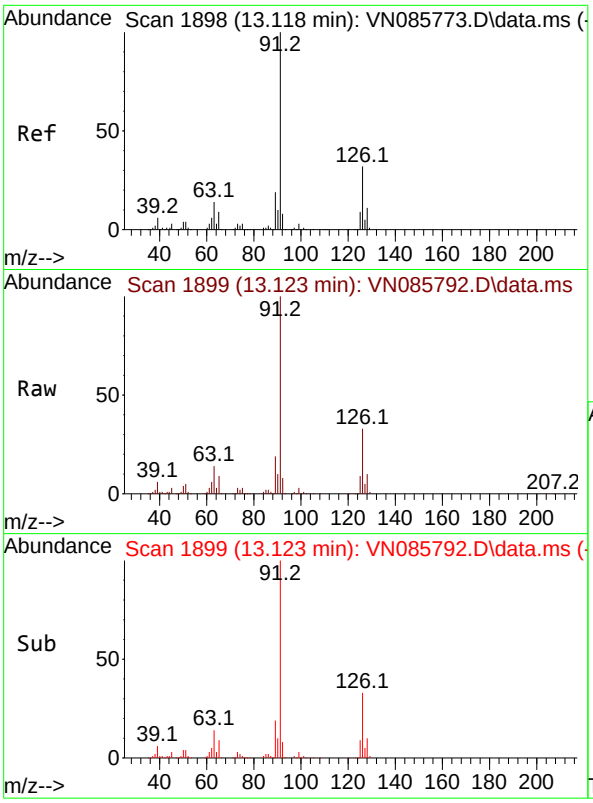


#78
n-propylbenzene
Concen: 49.811 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 91 Resp: 908575

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8

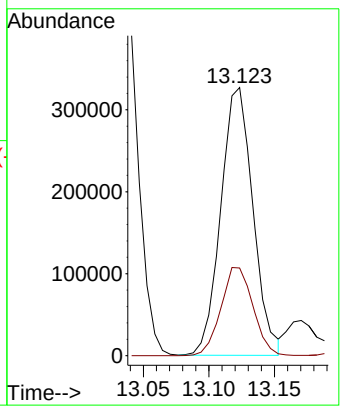




#79
2-Chlorotoluene
Concen: 45.836 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 91 Resp: 55861

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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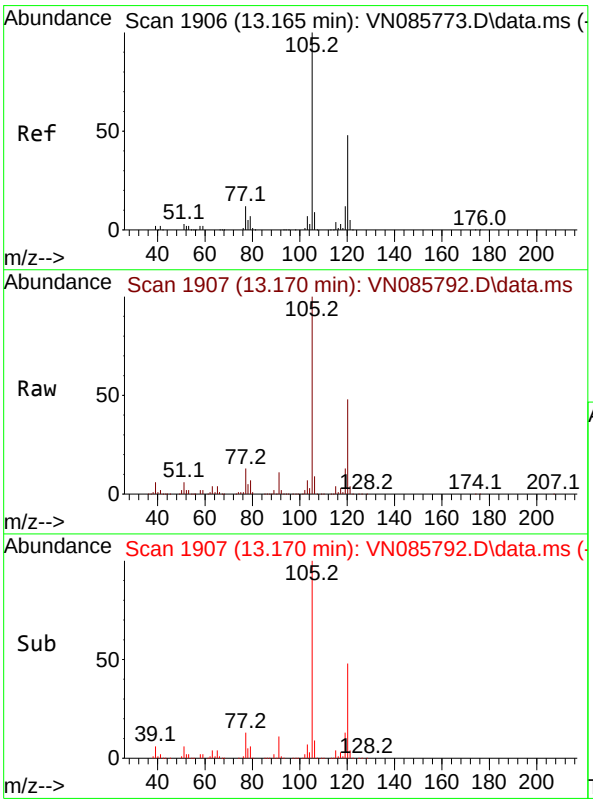
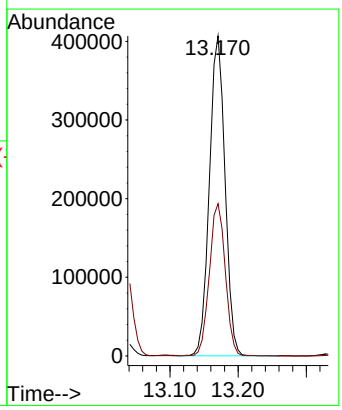
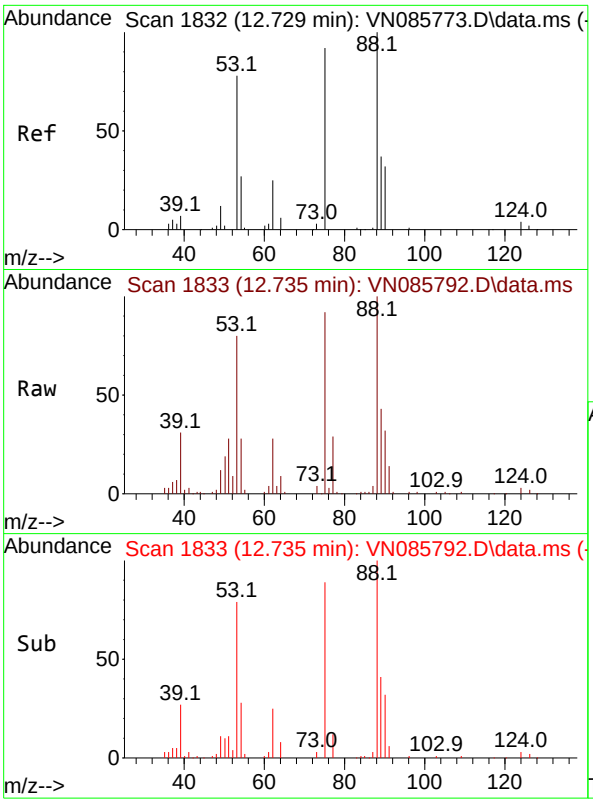


#80
1,3,5-Trimethylbenzene
Concen: 49.976 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:105 Resp: 648399

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 46.838 ug/l m
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 8289

Ion	Ratio	Lower	Upper
75	100		
53	87.9	74.2	111.4
89	46.4	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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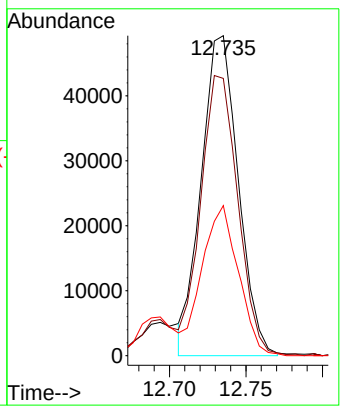
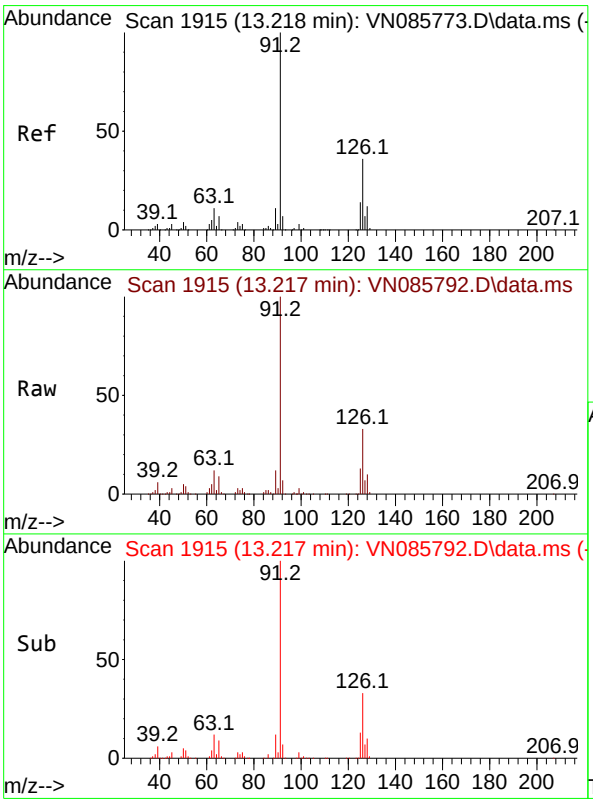
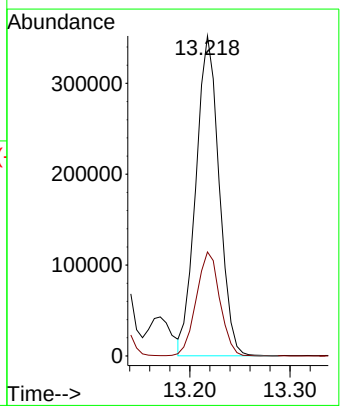


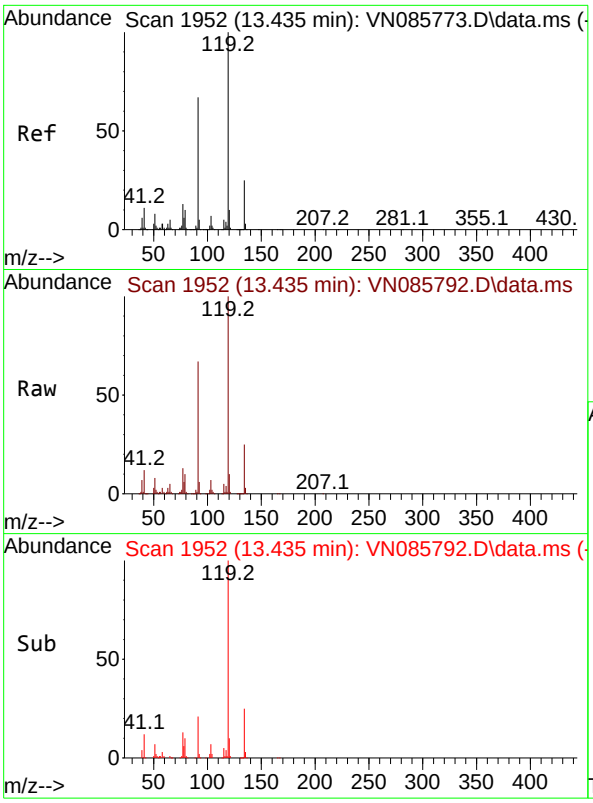


#82
4-Chlorotoluene
Concen: 46.957 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 91 Resp: 567337

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4





#83
tert-Butylbenzene
Concen: 49.436 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:119 Resp: 53936

Ion	Ratio	Lower	Upper
119	100		
91	67.1	32.5	97.5
134	27.0	13.3	39.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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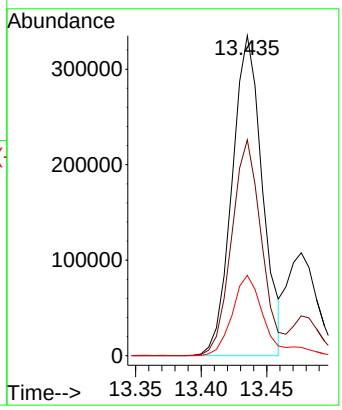
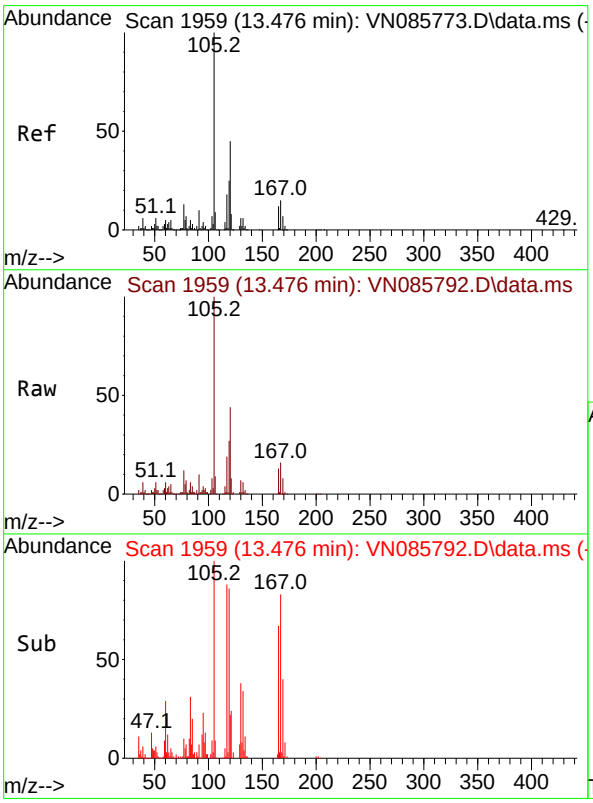
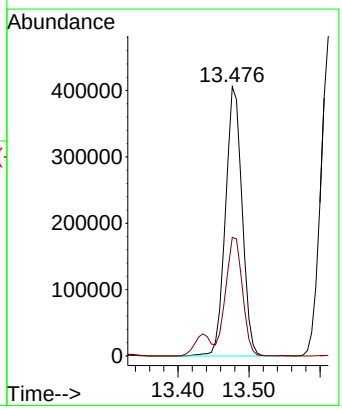


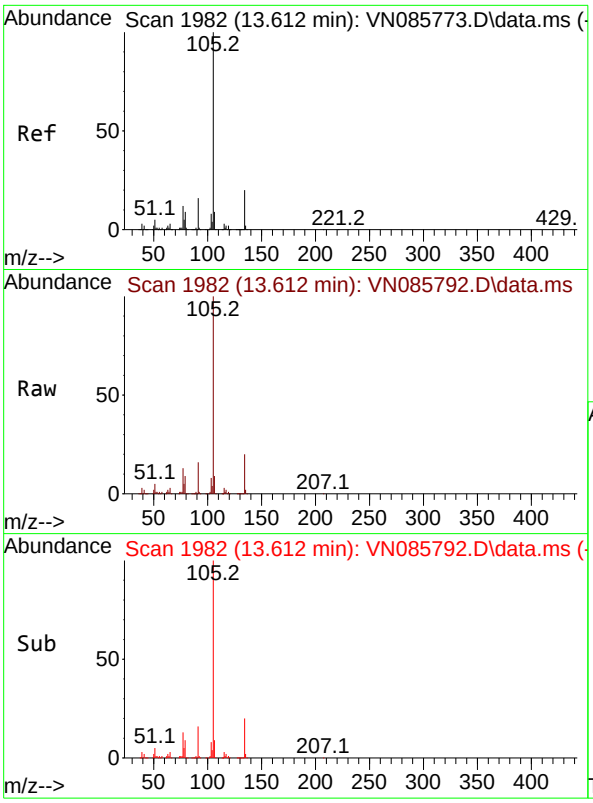


#84
1,2,4-Trimethylbenzene
Concen: 51.289 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:105 Resp: 658361

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3

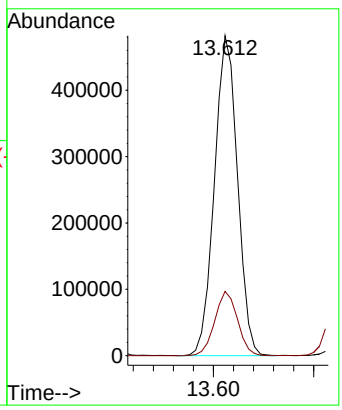




#85
sec-Butylbenzene
Concen: 49.936 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:105 Resp: 76976

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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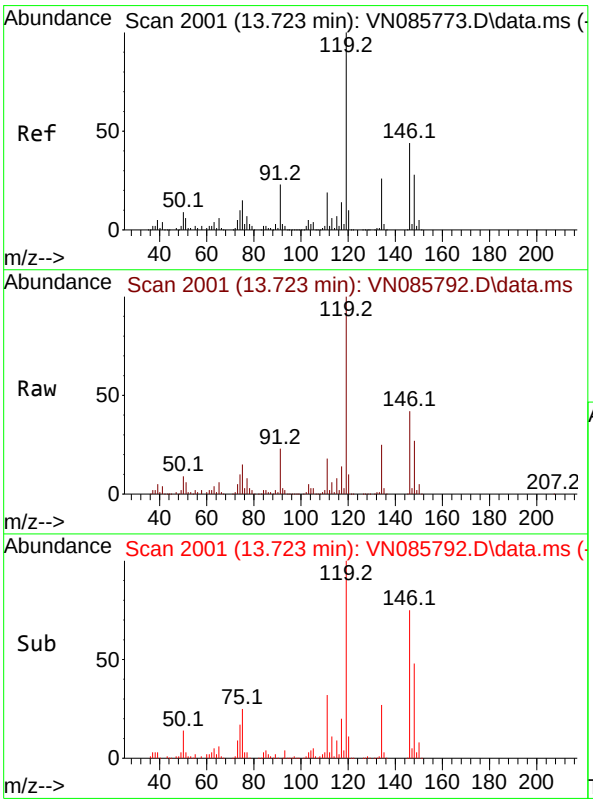
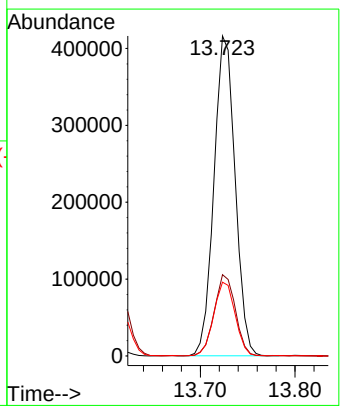
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

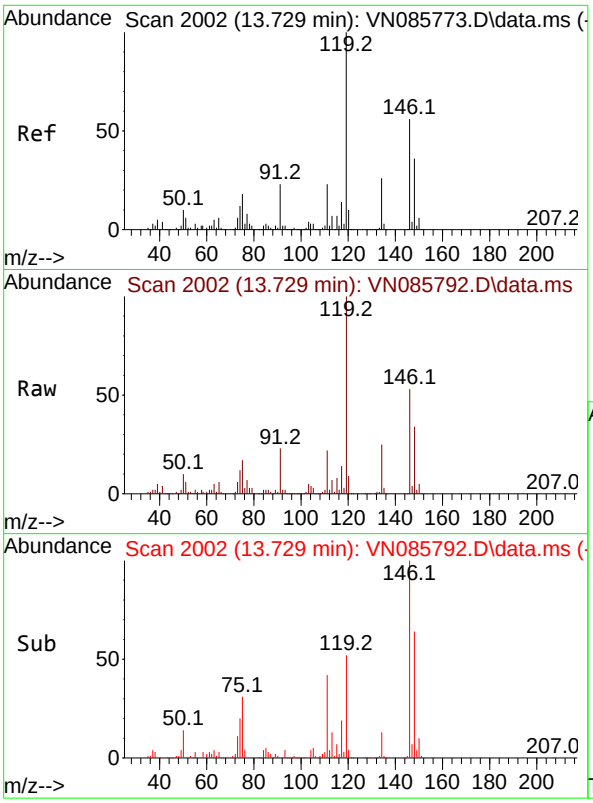


#86
p-Isopropyltoluene
Concen: 46.109 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:119 Resp: 646548

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	23.4	11.7	35.1





#87
1,3-Dichlorobenzene
Concen: 43.726 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:146 Resp: 35251

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.3
148	63.8	32.1	96.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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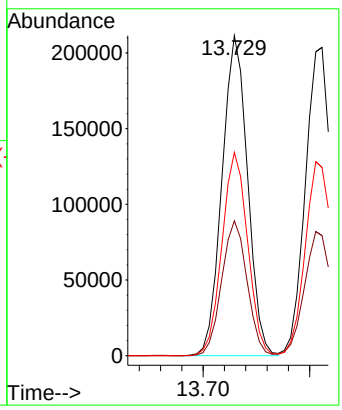
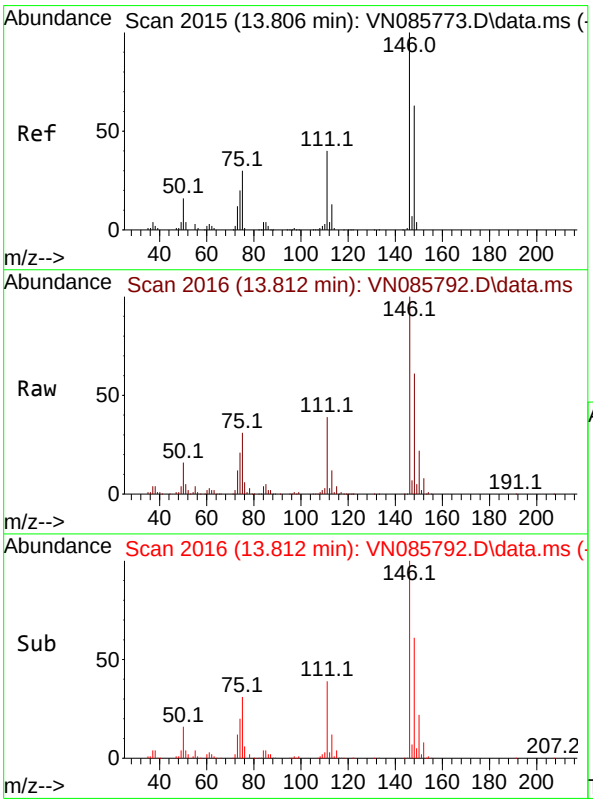
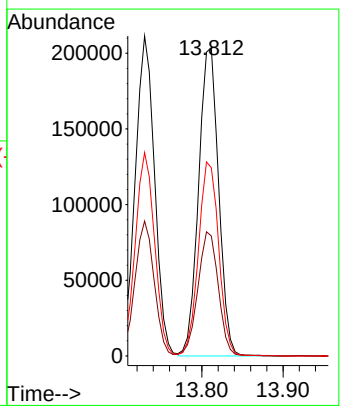


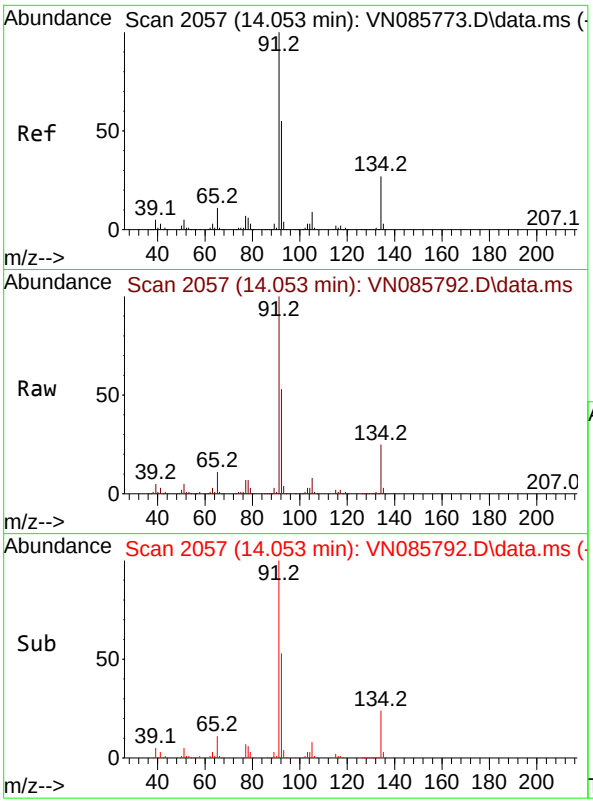


#88
1,4-Dichlorobenzene
Concen: 42.308 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:146 Resp: 349584

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.6	31.8	95.4





#89
n-Butylbenzene
Concen: 49.591 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 91 Resp: 54275

Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.1	81.3
134	24.9	12.7	38.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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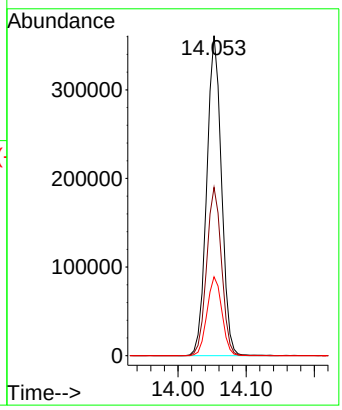
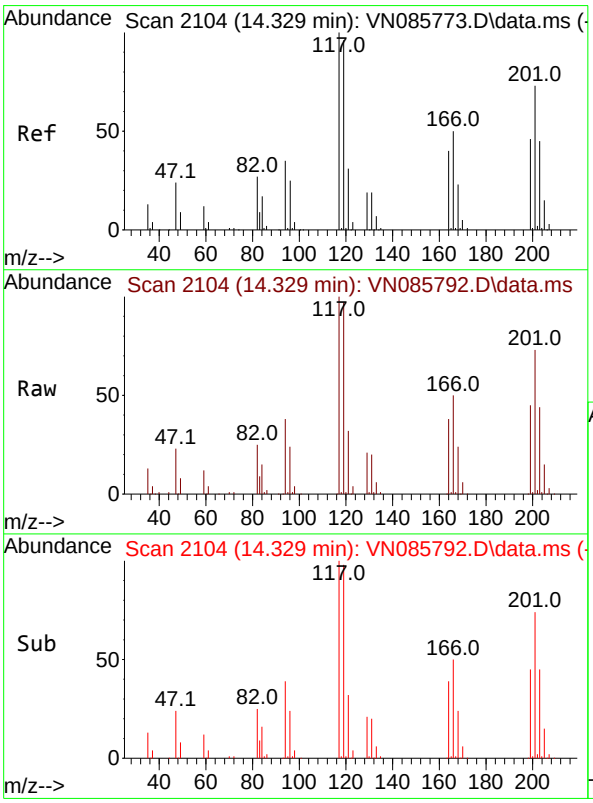
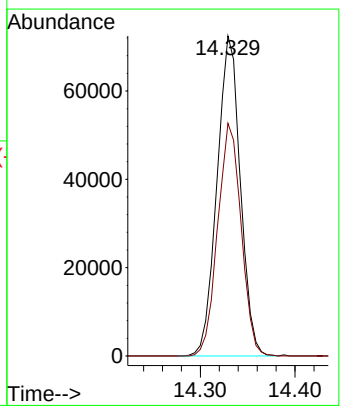


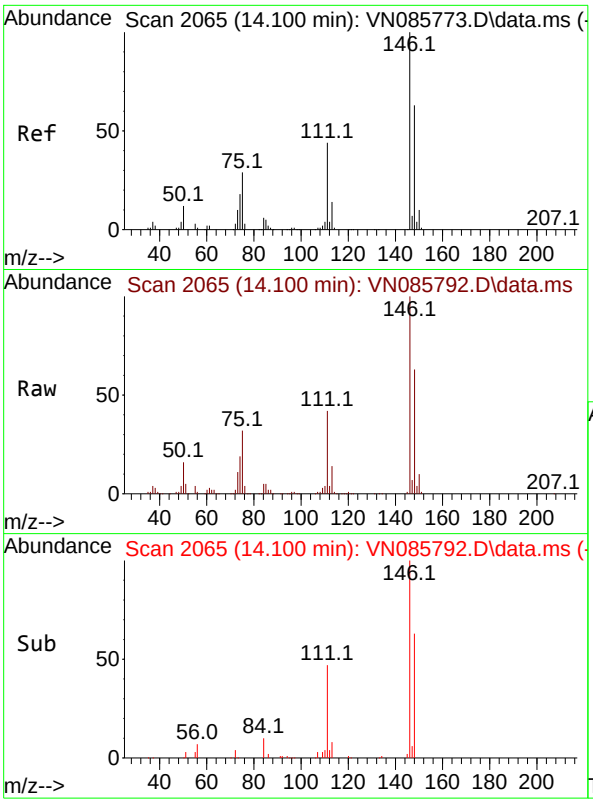


#90
Hexachloroethane
Concen: 42.457 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:117 Resp: 123948

Ion	Ratio	Lower	Upper
117	100		
201	73.1	35.6	106.9

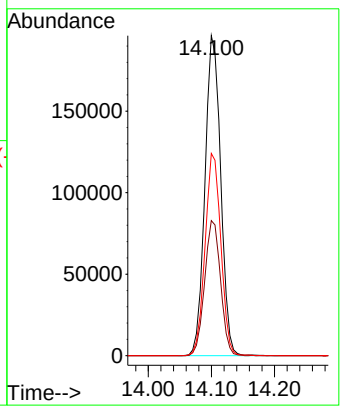




#91
1,2-Dichlorobenzene
Concen: 43.880 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:146 Resp: 34017

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	63.4	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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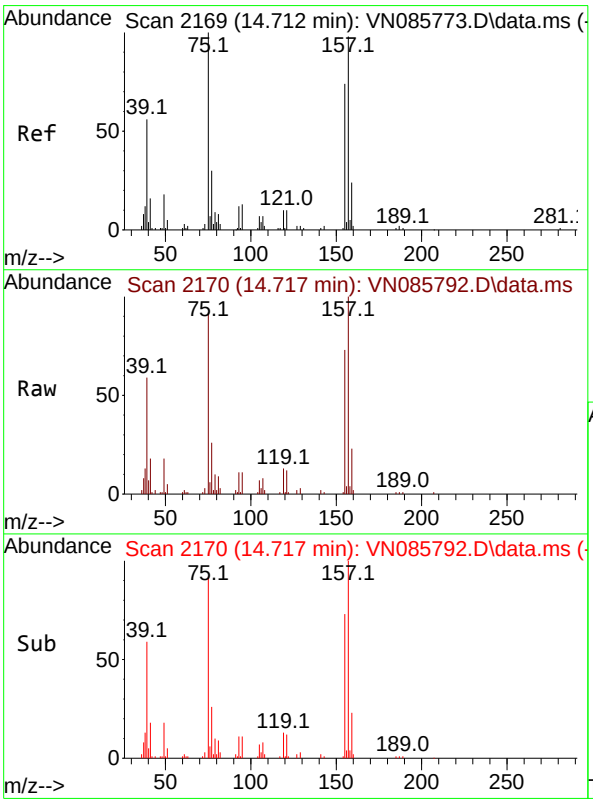
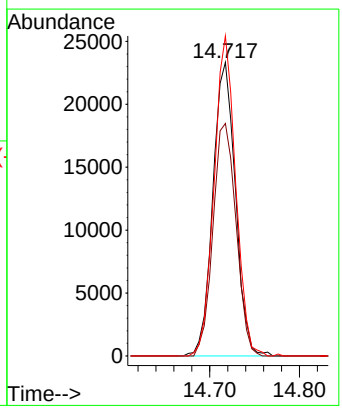
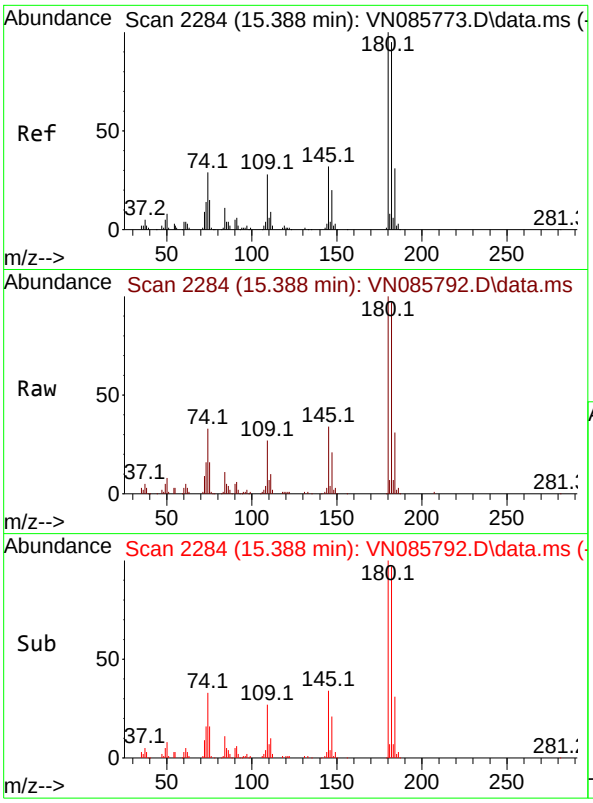


#92
1,2-Dibromo-3-Chloropropane
Concen: 40.398 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 40657

Ion	Ratio	Lower	Upper
75	100		
155	81.1	39.9	119.6
157	104.5	49.9	149.7





#93
1,2,4-Trichlorobenzene
Concen: 45.512 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

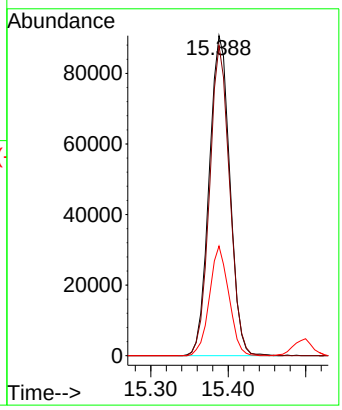
Tgt Ion:180 Resp: 16812

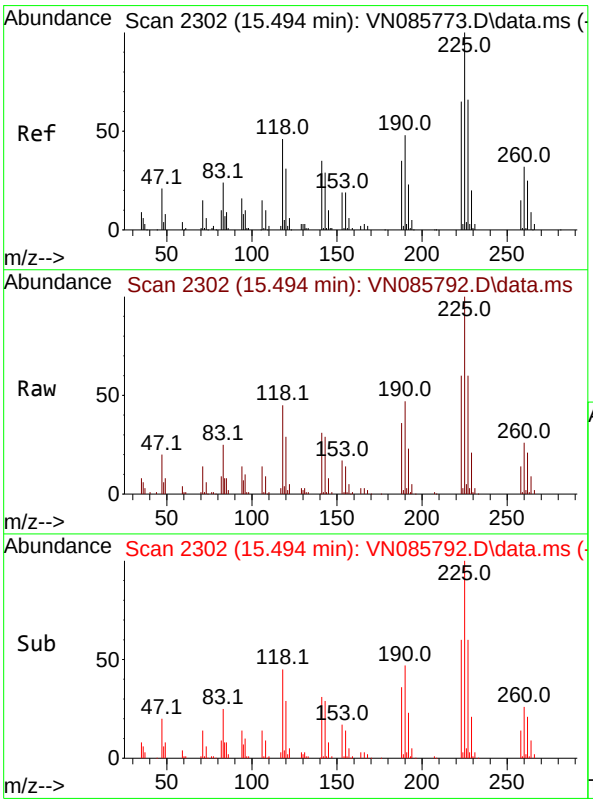
Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	141.9
145	32.1	16.2	48.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

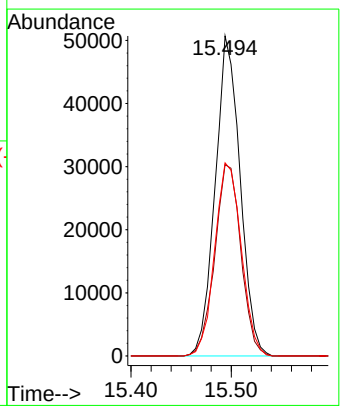


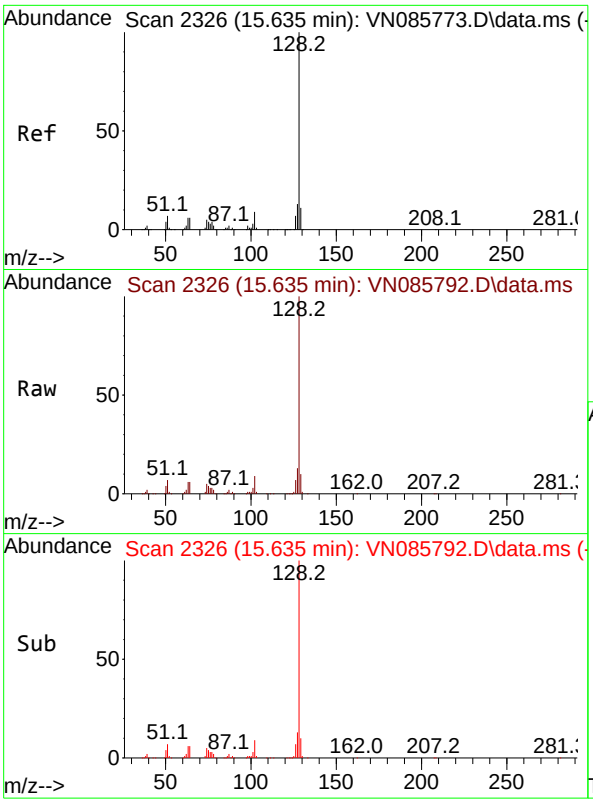


#94
Hexachlorobutadiene
Concen: 38.992 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:225 Resp: 87539

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.5
227	64.1	32.2	96.6

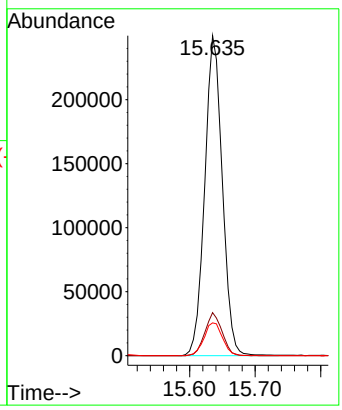




#95
Naphthalene
Concen: 45.979 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:128 Resp: 46631

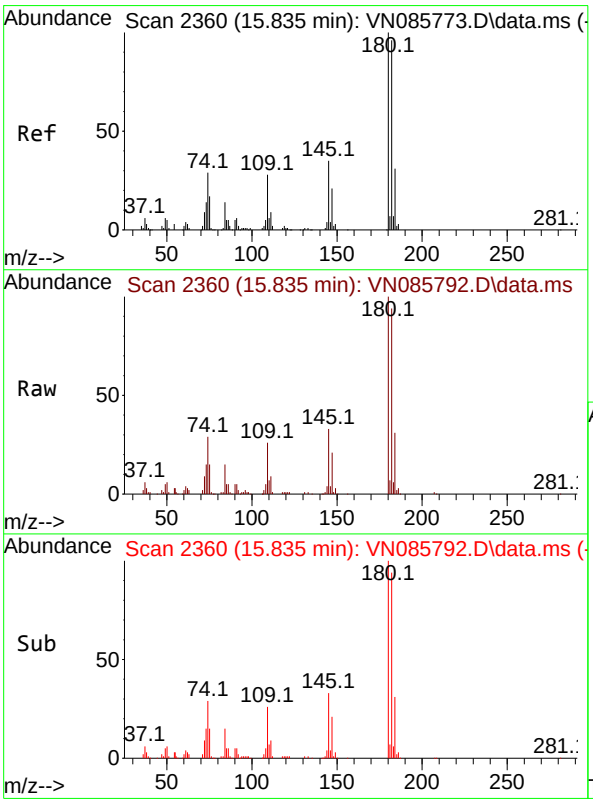
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

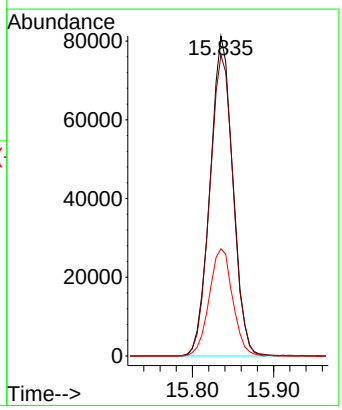
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 42.697 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:180 Resp: 158346

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.3	141.8
145	34.4	16.9	50.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.680	0.593	12.8	86	0.00
3	P	Chloromethane	0.682	0.587	13.9	92	0.00
4	C	Vinyl Chloride	0.723	0.619	14.4#	89	0.00
5	T	Bromomethane	0.462	0.383	17.1	88	0.00
6	T	Chloroethane	0.479	0.387	19.2	91	0.00
7	T	Trichlorofluoromethane	1.046	0.878	16.1	89	0.00
8	T	Diethyl Ether	0.339	0.308	9.1	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.528	12.7	91	0.00
10	T	Methyl Iodide	0.745	0.674	9.5	91	0.00
11	T	Tert butyl alcohol	0.080	0.073	8.8	90	0.00
12	CM	1,1-Dichloroethene	0.548	0.485	11.5#	90	0.00
13	T	Acrolein	0.118	0.117	0.8	90	0.00
14	T	Allyl chloride	0.720	0.657	8.7	93	0.00
15	T	Acrylonitrile	0.259	0.241	6.9	96	0.00
16	T	Acetone	0.205	0.209	-2.0	111	0.00
17	T	Carbon Disulfide	1.625	1.344	17.3	89	0.00
18	T	Methyl Acetate	0.705	0.621	11.9	98	0.00
19	T	Methyl tert-butyl Ether	1.629	1.563	4.1	92	0.00
20	T	Methylene Chloride	0.660	0.553	16.2	91	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.517	12.4	92	0.00
22	T	Diisopropyl ether	1.627	1.580	2.9	94	0.00
23	T	Vinyl Acetate	1.114	1.076	3.4	94	0.00
24	P	1,1-Dichloroethane	1.106	0.983	11.1	93	0.00
25	T	2-Butanone	0.302	0.305	-1.0	101	0.00
26	T	2,2-Dichloropropane	0.983	0.878	10.7	91	0.00
27	T	cis-1,2-Dichloroethene	0.685	0.618	9.8	91	0.00
28	T	Bromochloromethane	0.454	0.511	-12.6	112	0.00
29	T	Tetrahydrofuran	0.195	0.195	0.0	97	0.00
30	C	Chloroform	1.156	1.018	11.9#	93	0.00
31	T	Cyclohexane	0.926	0.770	16.8	87	0.00
32	T	1,1,1-Trichloroethane	1.028	0.904	12.1	91	0.00
33	S	1,2-Dichloroethane-d4	0.648	0.661	-2.0	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.327	0.345	-5.5	105	0.00
36	T	1,1-Dichloropropene	0.463	0.437	5.6	92	0.00
37	T	Ethyl Acetate	0.381	0.368	3.4	95	0.00
38	T	Carbon Tetrachloride	0.550	0.492	10.5	90	0.00
39	T	Methylcyclohexane	0.455	0.466	-2.4	91	0.00
40	TM	Benzene	1.484	1.377	7.2	92	0.00
41	T	Methacrylonitrile	0.204	0.205	-0.5	92	0.00
42	TM	1,2-Dichloroethane	0.483	0.446	7.7	94	0.00
43	T	Isopropyl Acetate	0.807	0.640	20.7	97	0.00
44	TM	Trichloroethene	0.364	0.323	11.3	92	0.00
45	C	1,2-Dichloropropane	0.358	0.334	6.7#	93	0.00
46	T	Dibromomethane	0.253	0.232	8.3	92	0.00
47	T	Bromodichloromethane	0.541	0.500	7.6	93	0.00
48	T	Methyl methacrylate	0.283	0.290	-2.5	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.006	-20.0	93	0.00
50	S	Toluene-d8	1.190	1.326	-11.4	107	0.00
51	T	4-Methyl-2-Pentanone	0.367	0.380	-3.5	97	0.00
52	CM	Toluene	0.870	0.868	0.2#	93	0.00
53	T	t-1,3-Dichloropropene	0.500	0.505	-1.0	93	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.542	1.1	92	0.00
55	T	1,1,2-Trichloroethane	0.346	0.323	6.6	94	0.00
56	T	Ethyl methacrylate	0.434	0.489	-12.7	95	0.00
57	T	1,3-Dichloropropane	0.577	0.552	4.3	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.195	0.258	-32.3#	143	0.00
59	T	2-Hexanone	0.253	0.280	-10.7	99	0.00
60	T	Dibromochloromethane	0.403	0.389	3.5	93	0.00
61	T	1,2-Dibromoethane	0.327	0.315	3.7	94	0.00
62	S	4-Bromofluorobenzene	0.392	0.465	-18.6	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.387	0.337	12.9	93	0.00
65	PM	Chlorobenzene	1.145	1.033	9.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.412	0.370	10.2	93	0.00
67	C	Ethyl Benzene	1.794	1.793	0.1#	94	0.00
68	T	m/p-Xylenes	0.682	0.704	-3.2	94	0.00
69	T	o-Xylene	0.648	0.665	-2.6	94	0.00
70	T	Styrene	1.059	1.140	-7.6	94	0.00
71	P	Bromoform	0.306	0.290	5.2	95	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.425	3.305	3.5	94	0.00
74	T	N-amyl acetate	1.208	1.165	3.6	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.179	0.989	16.1	96	0.00
76	T	1,2,3-Trichloropropane	1.111	1.016	8.6	110	0.00
77	T	Bromobenzene	0.925	0.821	11.2	93	0.00
78	T	n-propylbenzene	3.923	3.908	0.4	94	0.00
79	T	2-Chlorotoluene	2.621	2.403	8.3	94	0.00
80	T	1,3,5-Trimethylbenzene	2.790	2.789	0.0	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.381	0.357	6.3	92	0.00
82	T	4-Chlorotoluene	2.598	2.440	6.1	94	0.00
83	T	tert-Butylbenzene	2.346	2.320	1.1	92	0.00
84	T	1,2,4-Trimethylbenzene	2.761	2.832	-2.6	94	0.00
85	T	sec-Butylbenzene	3.315	3.311	0.1	93	0.00
86	T	p-Isopropyltoluene	2.665	2.781	-4.4	93	0.00
87	T	1,3-Dichlorobenzene	1.734	1.516	12.6	95	0.00
88	T	1,4-Dichlorobenzene	1.777	1.504	15.4	93	0.00
89	T	n-Butylbenzene	2.354	2.335	0.8	94	0.00
90	T	Hexachloroethane	0.628	0.533	15.1	93	0.00
91	T	1,2-Dichlorobenzene	1.667	1.463	12.2	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.175	19.0	93	0.00
93	T	1,2,4-Trichlorobenzene	0.794	0.723	8.9	92	0.00
94	T	Hexachlorobutadiene	0.483	0.377	21.9	91	0.00
95	T	Naphthalene	2.181	2.006	8.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.798	0.681	14.7	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	43.565	12.9	86	0.00
3	P	Chloromethane	50.000	42.986	14.0	92	0.00
4	C	Vinyl Chloride	50.000	42.823	14.4#	89	0.00
5	T	Bromomethane	50.000	41.439	17.1	88	0.00
6	T	Chloroethane	50.000	40.403	19.2	91	0.00
7	T	Trichlorofluoromethane	50.000	41.961	16.1	89	0.00
8	T	Diethyl Ether	50.000	45.525	9.0	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.637	12.7	91	0.00
10	T	Methyl Iodide	50.000	45.224	9.6	91	0.00
11	T	Tert butyl alcohol	250.000	227.948	8.8	90	0.00
12	CM	1,1-Dichloroethene	50.000	44.237	11.5#	90	0.00
13	T	Acrolein	250.000	246.597	1.4	90	0.00
14	T	Allyl chloride	50.000	45.612	8.8	93	0.00
15	T	Acrylonitrile	250.000	232.731	6.9	96	0.00
16	T	Acetone	250.000	254.620	-1.8	111	0.00
17	T	Carbon Disulfide	50.000	41.341	17.3	89	0.00
18	T	Methyl Acetate	50.000	43.995	12.0	98	0.00
19	T	Methyl tert-butyl Ether	50.000	47.972	4.1	92	0.00
20	T	Methylene Chloride	50.000	41.891	16.2	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	43.781	12.4	92	0.00
22	T	Diisopropyl ether	50.000	48.571	2.9	94	0.00
23	T	Vinyl Acetate	250.000	241.583	3.4	94	0.00
24	P	1,1-Dichloroethane	50.000	44.457	11.1	93	0.00
25	T	2-Butanone	250.000	252.924	-1.2	101	0.00
26	T	2,2-Dichloropropane	50.000	44.624	10.8	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.138	9.7	91	0.00
28	T	Bromochloromethane	50.000	56.231	-12.5	112	0.00
29	T	Tetrahydrofuran	250.000	250.245	-0.1	97	0.00
30	C	Chloroform	50.000	44.027	11.9#	93	0.00
31	T	Cyclohexane	50.000	41.582	16.8	87	0.00
32	T	1,1,1-Trichloroethane	50.000	43.956	12.1	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.022	-2.0	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	52.754	-5.5	105	0.00
36	T	1,1-Dichloropropene	50.000	47.163	5.7	92	0.00
37	T	Ethyl Acetate	50.000	48.325	3.3	95	0.00
38	T	Carbon Tetrachloride	50.000	44.699	10.6	90	0.00
39	T	Methylcyclohexane	50.000	51.193	-2.4	91	0.00
40	TM	Benzene	50.000	46.405	7.2	92	0.00
41	T	Methacrylonitrile	50.000	50.427	-0.9	92	0.00
42	TM	1,2-Dichloroethane	50.000	46.134	7.7	94	0.00
43	T	Isopropyl Acetate	50.000	47.833	4.3	97	0.00
44	TM	Trichloroethene	50.000	44.375	11.3	92	0.00
45	C	1,2-Dichloropropane	50.000	46.667	6.7#	93	0.00
46	T	Dibromomethane	50.000	45.979	8.0	92	0.00
47	T	Bromodichloromethane	50.000	46.221	7.6	93	0.00
48	T	Methyl methacrylate	50.000	51.177	-2.4	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1029.861	-3.0	93	0.00
50	S	Toluene-d8	50.000	55.694	-11.4	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.644	-3.5	97	0.00
52	CM	Toluene	50.000	49.882	0.2#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	50.474	-0.9	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.435	1.1	92	0.00
55	T	1,1,2-Trichloroethane	50.000	46.742	6.5	94	0.00
56	T	Ethyl methacrylate	50.000	49.269	1.5	95	0.00
57	T	1,3-Dichloropropane	50.000	47.815	4.4	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	308.192	-23.3	143	0.00
59	T	2-Hexanone	250.000	276.471	-10.6	99	0.00
60	T	Dibromochloromethane	50.000	48.286	3.4	93	0.00
61	T	1,2-Dibromoethane	50.000	48.170	3.7	94	0.00
62	S	4-Bromofluorobenzene	50.000	59.322	-18.6	107	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	43.550	12.9	93	0.00
65	PM	Chlorobenzene	50.000	45.077	9.8	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.959	10.1	93	0.00
67	C	Ethyl Benzene	50.000	49.970	0.1#	94	0.00
68	T	m/p-Xylenes	100.000	103.338	-3.3	94	0.00
69	T	o-Xylene	50.000	51.340	-2.7	94	0.00
70	T	Styrene	50.000	47.549	4.9	94	0.00
71	P	Bromoform	50.000	47.464	5.1	95	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	48.243	3.5	94	0.00
74	T	N-amyl acetate	50.000	48.207	3.6	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	41.964	16.1	96	0.00
76	T	1,2,3-Trichloropropane	50.000	45.728	8.5	110	0.00
77	T	Bromobenzene	50.000	44.367	11.3	93	0.00
78	T	n-propylbenzene	50.000	49.811	0.4	94	0.00
79	T	2-Chlorotoluene	50.000	45.836	8.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.976	0.0	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.838	6.3	92	0.00
82	T	4-Chlorotoluene	50.000	46.957	6.1	94	0.00
83	T	tert-Butylbenzene	50.000	49.436	1.1	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.289	-2.6	94	0.00
85	T	sec-Butylbenzene	50.000	49.936	0.1	93	0.00
86	T	p-Isopropyltoluene	50.000	46.109	7.8	93	0.00
87	T	1,3-Dichlorobenzene	50.000	43.726	12.5	95	0.00
88	T	1,4-Dichlorobenzene	50.000	42.308	15.4	93	0.00
89	T	n-Butylbenzene	50.000	49.591	0.8	94	0.00
90	T	Hexachloroethane	50.000	42.457	15.1	93	0.00
91	T	1,2-Dichlorobenzene	50.000	43.880	12.2	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	40.398	19.2	93	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.512	9.0	92	0.00
94	T	Hexachlorobutadiene	50.000	38.992	22.0	91	0.00
95	T	Naphthalene	50.000	45.979	8.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.697	14.6	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 14:55

Lab File ID: VY021236.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.440	0.431	0.1	-2.05	20
Vinyl Chloride	0.443	0.466		5.19	20
Bromomethane	0.274	0.268		-2.19	20
Chloroethane	0.263	0.286		8.74	20
Trichlorofluoromethane	0.806	0.806		0	20
1,1,2-Trichlorotrifluoroethane	0.506	0.489		-3.36	20
1,1-Dichloroethene	0.477	0.455		-4.61	20
Acetone	0.080	0.083		3.75	20
Carbon Disulfide	1.495	1.273		-14.85	20
Methyl tert-butyl Ether	1.205	1.247		3.48	20
Methylene Chloride	0.497	0.494		-0.6	20
trans-1,2-Dichloroethene	0.525	0.503		-4.19	20
1,1-Dichloroethane	0.970	0.977	0.1	0.72	20
2-Butanone	0.131	0.135		3.05	20
Carbon Tetrachloride	0.555	0.538		-3.06	20
cis-1,2-Dichloroethene	0.604	0.603		-0.17	20
Chloroform	0.997	1.001		0.4	20
1,1,1-Trichloroethane	0.927	0.926		-0.11	20
Methylcyclohexane	0.581	0.580		-0.17	20
Benzene	1.393	1.364		-2.08	20
1,2-Dichloroethane	0.386	0.384		-0.52	20
Trichloroethene	0.360	0.351		-2.5	20
1,2-Dichloropropane	0.331	0.339		2.42	20
Bromodichloromethane	0.491	0.497		1.22	20
4-Methyl-2-Pentanone	0.208	0.218		4.81	20
Toluene	0.875	0.869		-0.69	20
t-1,3-Dichloropropene	0.441	0.461		4.53	20
cis-1,3-Dichloropropene	0.522	0.538		3.07	20
1,1,2-Trichloroethane	0.237	0.237		0	20
2-Hexanone	0.134	0.144		7.46	20
Dibromochloromethane	0.333	0.339		1.8	20
Tetrachloroethene	0.371	0.356		-4.04	20
Chlorobenzene	1.113	1.109	0.3	-0.36	20
Ethyl Benzene	1.969	1.992		1.17	20
m/p-Xylenes	0.737	0.734		-0.41	20
o-Xylene	0.687	0.708		3.06	20
Styrene	1.145	1.182		3.23	20
Bromoform	0.220	0.219	0.1	-0.46	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 14:55

Lab File ID: VY021236.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.906	4.141		6.02	20
1,1,2,2-Tetrachloroethane	0.650	0.643	0.3	-1.08	20
1,3-Dichlorobenzene	1.740	1.736		-0.23	20
1,4-Dichlorobenzene	1.714	1.688		-1.52	20
1,2-Dichlorobenzene	1.510	1.502		-0.53	20
1,2-Dichloroethane-d4	0.512	0.470		-8.2	20
Dibromofluoromethane	0.320	0.299		-6.56	20
Toluene-d8	1.220	1.094		-10.33	20
4-Bromofluorobenzene	0.399	0.376		-5.76	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	200462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	311138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	266562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	126814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	94135	45.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.660%			
35) Dibromofluoromethane	7.646	113	93179	46.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.460%			
50) Toluene-d8	10.115	98	340426	44.845	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.680%			
62) 4-Bromofluorobenzene	12.414	95	117047	47.196	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	77551	43.405	ug/l	98
3) Chloromethane	2.074	50	86476	49.049	ug/l	97
4) Vinyl Chloride	2.214	62	93493	52.685	ug/l	97
5) Bromomethane	2.611	94	53715	48.974	ug/l	97
6) Chloroethane	2.745	64	57311	54.253	ug/l	99
7) Trichlorofluoromethane	3.068	101	161473	49.946	ug/l	97
8) Diethyl Ether	3.464	74	52022	51.545	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	98042	48.319	ug/l	96
10) Methyl Iodide	4.019	142	110553	49.042	ug/l	93
11) Tert butyl alcohol	4.903	59	31554	226.709	ug/l #	89
12) 1,1-Dichloroethene	3.805	96	91137	47.682	ug/l	92
13) Acrolein	3.665	56	38701	180.571	ug/l	99
14) Allyl chloride	4.397	41	164021	50.917	ug/l	95
15) Acrylonitrile	5.080	53	106975	254.538	ug/l	99
16) Acetone	3.891	43	83071	259.354	ug/l	99
17) Carbon Disulfide	4.122	76	255144	42.570	ug/l	99
18) Methyl Acetate	4.403	43	60873	54.139	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	250004	51.750	ug/l	96
20) Methylene Chloride	4.628	84	98938	49.688	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	100860	47.939	ug/l	94
22) Diisopropyl ether	6.031	45	349042	52.568	ug/l	98
23) Vinyl Acetate	5.976	43	959119	259.121	ug/l	99
24) 1,1-Dichloroethane	5.927	63	195868	50.349	ug/l	98
25) 2-Butanone	6.909	43	135277	257.014	ug/l	98
26) 2,2-Dichloropropane	6.902	77	178662	49.635	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	120858	49.906	ug/l	92
28) Bromochloromethane	7.256	49	78475	51.015	ug/l	98
29) Tetrahydrofuran	7.280	42	90325	253.611	ug/l	95
30) Chloroform	7.433	83	200620	50.208	ug/l	99
31) Cyclohexane	7.713	56	162999	46.529	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	185557	49.948	ug/l	100
36) 1,1-Dichloropropene	7.847	75	142250	48.164	ug/l	99
37) Ethyl Acetate	7.000	43	66109	51.024	ug/l	99
38) Carbon Tetrachloride	7.829	117	167388	48.505	ug/l	99
39) Methylcyclohexane	9.122	83	180580	49.986	ug/l	96
40) Benzene	8.091	78	424435	48.970	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	38118	50.853	ug/l		94
42) 1,2-Dichloroethane	8.170	62	119521	49.711	ug/l		97
43) Isopropyl Acetate	8.207	43	135143	52.494	ug/l	#	84
44) Trichloroethene	8.878	130	109079	48.712	ug/l		96
45) 1,2-Dichloropropane	9.152	63	105592	51.328	ug/l		96
46) Dibromomethane	9.237	93	55920	49.095	ug/l		96
47) Bromodichloromethane	9.432	83	154682	50.636	ug/l		97
48) Methyl methacrylate	9.231	41	63766	54.376	ug/l		94
49) 1,4-Dioxane	9.250	88	11020	1039.289	ug/l		92
51) 4-Methyl-2-Pentanone	10.006	43	338455	261.432	ug/l		98
52) Toluene	10.182	92	270409	49.688	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	143554	52.336	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	167429	51.553	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	73589	49.892	ug/l		99
56) Ethyl methacrylate	10.444	69	106288	53.867	ug/l	#	89
57) 1,3-Dichloropropane	10.725	76	132165	51.769	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	290576	309.543	ug/l		99
59) 2-Hexanone	10.768	43	223757	268.437	ug/l		96
60) Dibromochloromethane	10.920	129	105589	50.976	ug/l		85
61) 1,2-Dibromoethane	11.024	107	67805	49.079	ug/l		99
64) Tetrachloroethene	10.658	164	94893	47.954	ug/l		96
65) Chlorobenzene	11.450	112	295517	49.788	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	105626	50.076	ug/l		98
67) Ethyl Benzene	11.530	91	530991	50.579	ug/l		99
68) m/p-Xylenes	11.639	106	391171	99.601	ug/l		96
69) o-Xylene	11.962	106	188775	51.555	ug/l		98
70) Styrene	11.981	104	315025	51.620	ug/l		98
71) Bromoform	12.145	173	58498	49.825	ug/l	#	99
73) Isopropylbenzene	12.261	105	525075	53.006	ug/l		85
74) N-amyl acetate	12.078	43	117988	54.480	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.517	83	81571	49.512	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	55126m	47.921	ug/l		
77) Bromobenzene	12.542	156	112364	49.154	ug/l		96
78) n-propylbenzene	12.603	91	605704	51.330	ug/l		99
79) 2-Chlorotoluene	12.688	91	341745	50.565	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	406625	50.629	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.316	75	119661	212.252	ug/l	#	48
82) 4-Chlorotoluene	12.786	91	373956	54.307	ug/l		95
83) tert-Butylbenzene	13.005	119	371033	50.825	ug/l		95
84) 1,2,4-Trimethylbenzene	13.054	105	405711	51.664	ug/l		100
85) sec-Butylbenzene	13.182	105	547941	52.143	ug/l		99
86) p-Isopropyltoluene	13.298	119	451592	51.734	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	220193	49.887	ug/l		100
88) 1,4-Dichlorobenzene	13.377	146	214096	49.263	ug/l		100
89) n-Butylbenzene	13.627	91	426856	53.602	ug/l		99
90) Hexachloroethane	13.889	117	93847	51.535	ug/l		86
91) 1,2-Dichlorobenzene	13.669	146	190520	49.731	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12977	52.711	ug/l		97
93) 1,2,4-Trichlorobenzene	14.931	180	115371	54.103	ug/l		99
94) Hexachlorobutadiene	15.035	225	73405	51.945	ug/l		100
95) Naphthalene	15.157	128	194341	56.964	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	94833	53.438	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

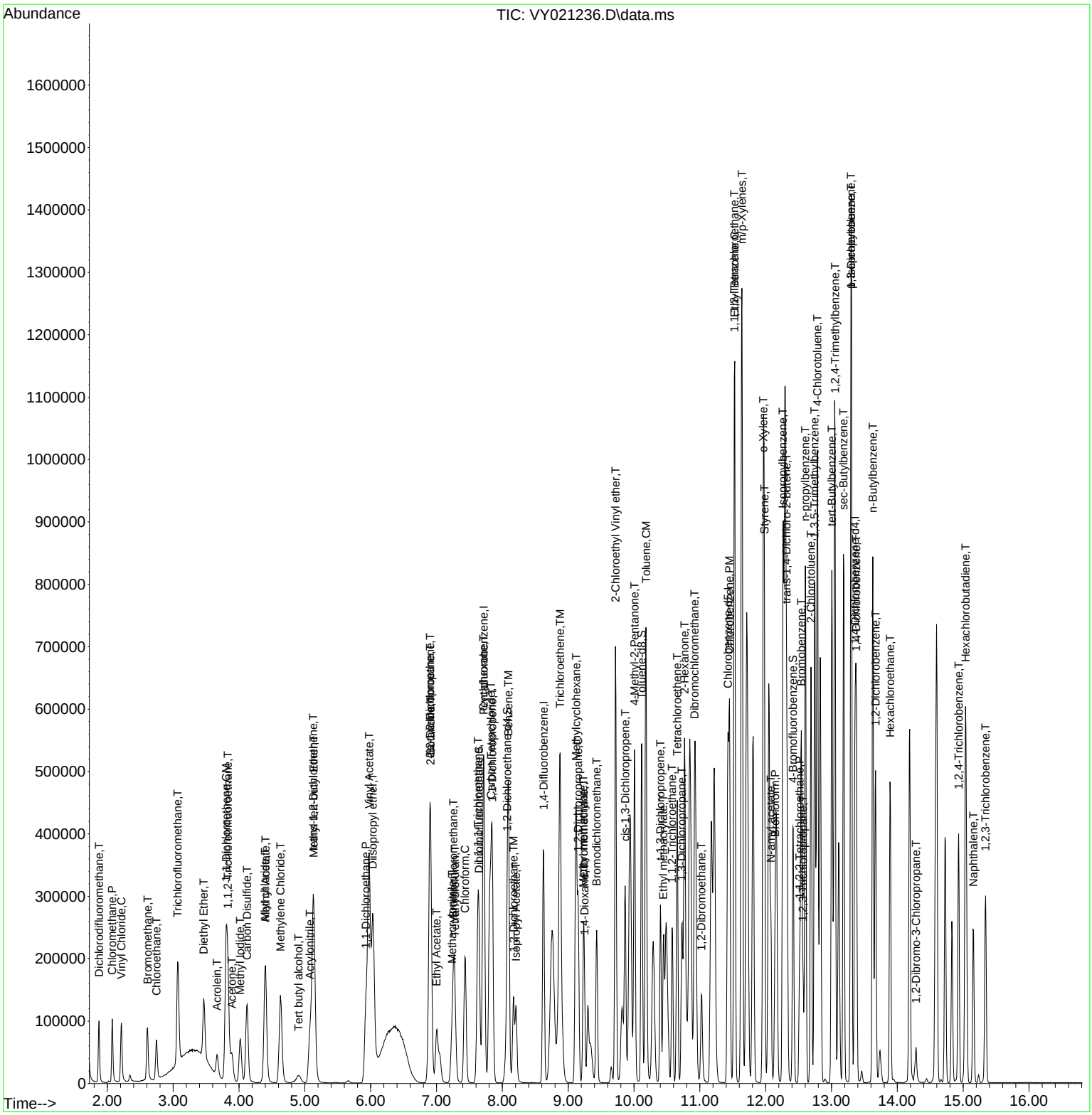
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

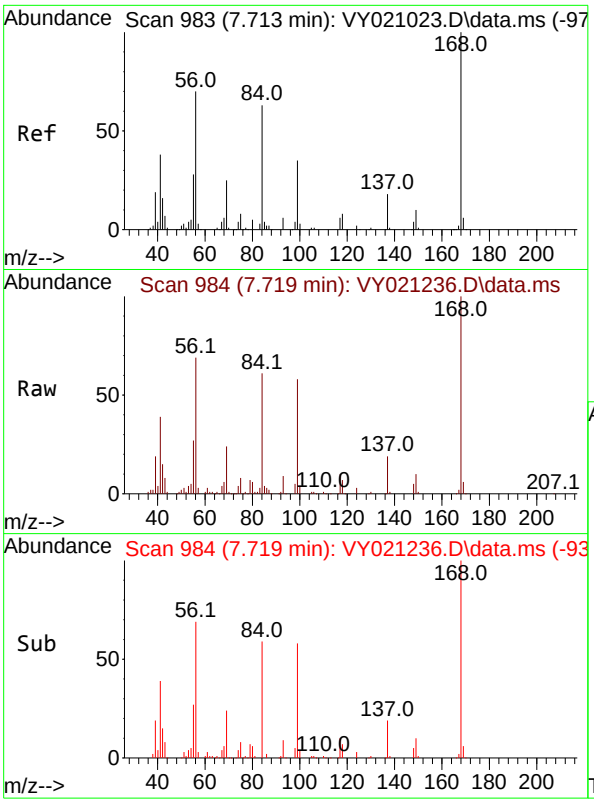
Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

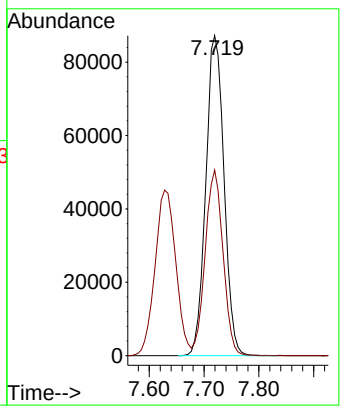




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:168 Resp: 20046

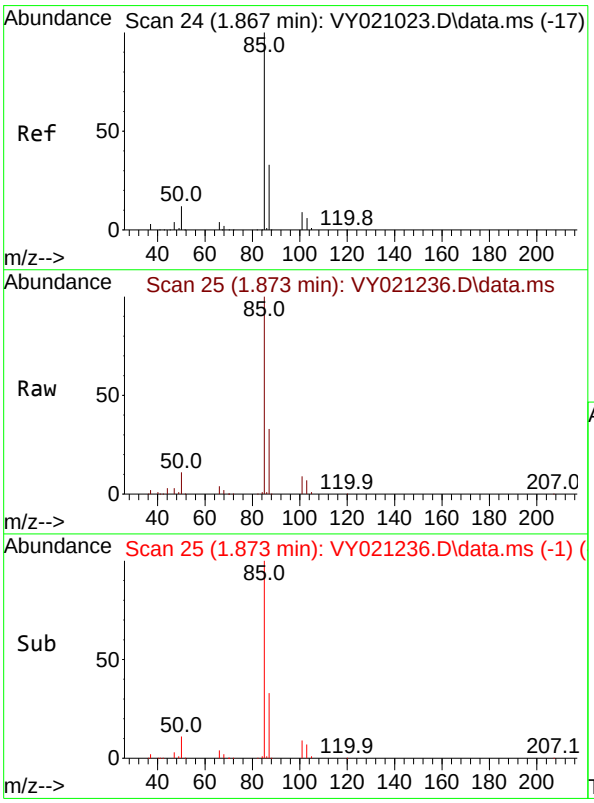
Ion	Ratio	Lower	Upper
168	100		
99	57.9	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

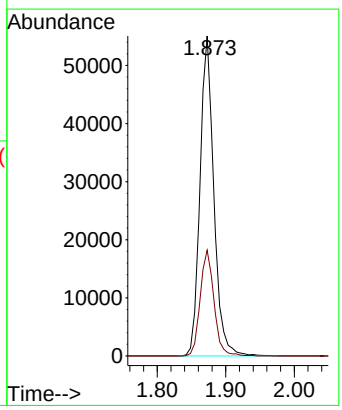
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

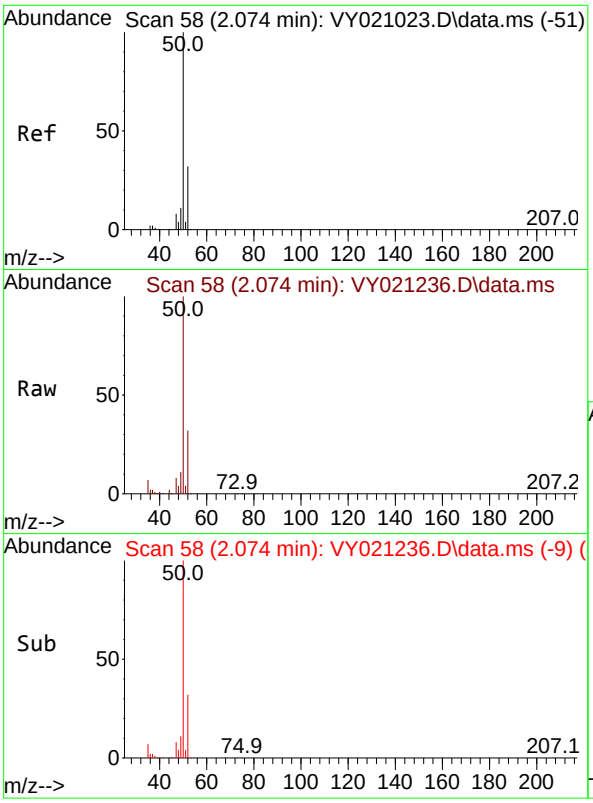


#2
Dichlorodifluoromethane
Concen: 43.405 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 85 Resp: 77551

Ion	Ratio	Lower	Upper
85	100		
87	33.1	17.1	51.3

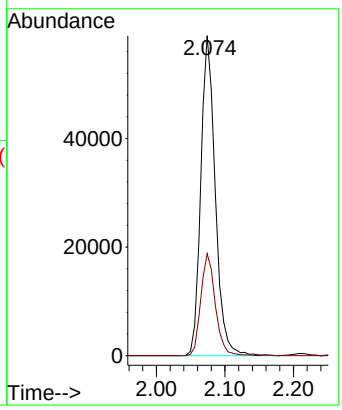




#3
Chloromethane
Concen: 49.049 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 50 Resp: 8647

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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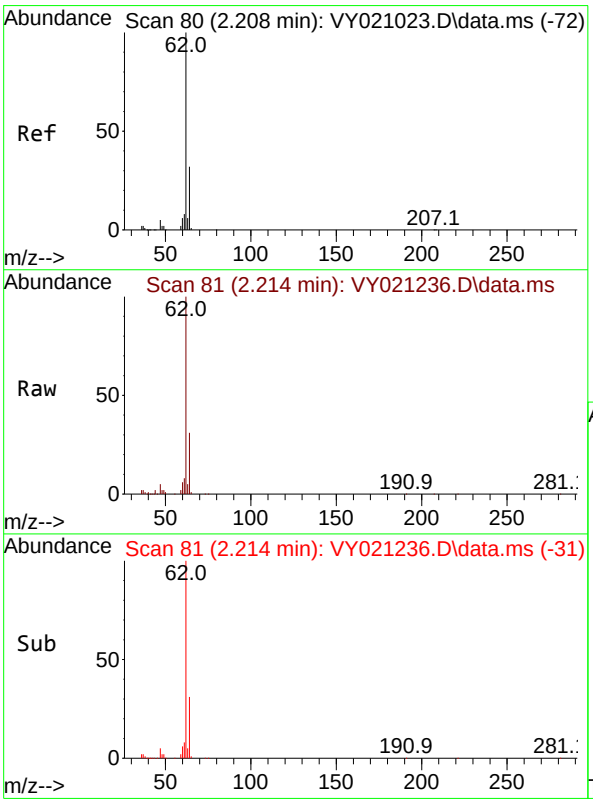
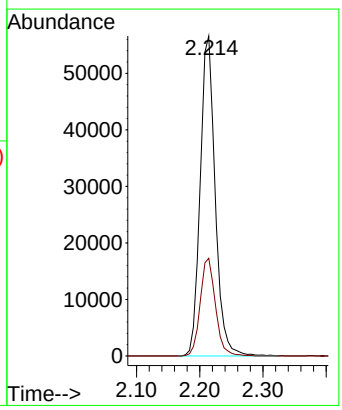
Supervised By :Mahesh Dadoda 02/20/2025

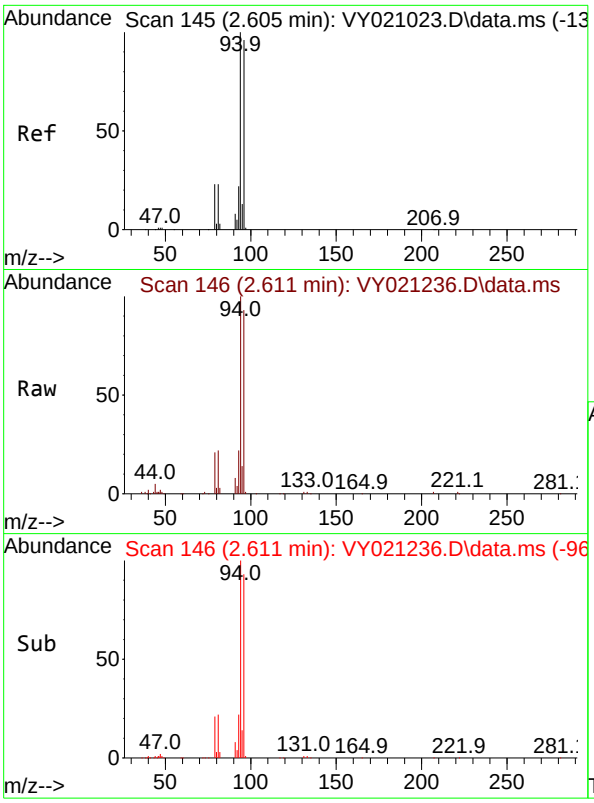


#4
Vinyl Chloride
Concen: 52.685 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 93493

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.7	38.5





#5
Bromomethane
Concen: 48.974 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 94 Resp: 5371

Ion	Ratio	Lower	Upper
94	100		
96	93.2	77.3	115.9

Instrument :
MSVOA_Y
ClientSampleId :
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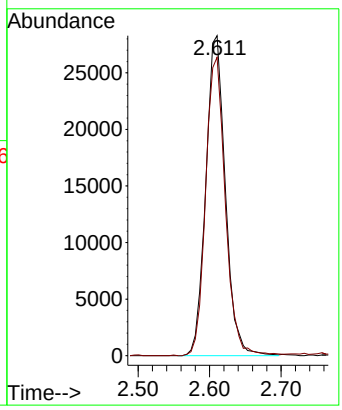
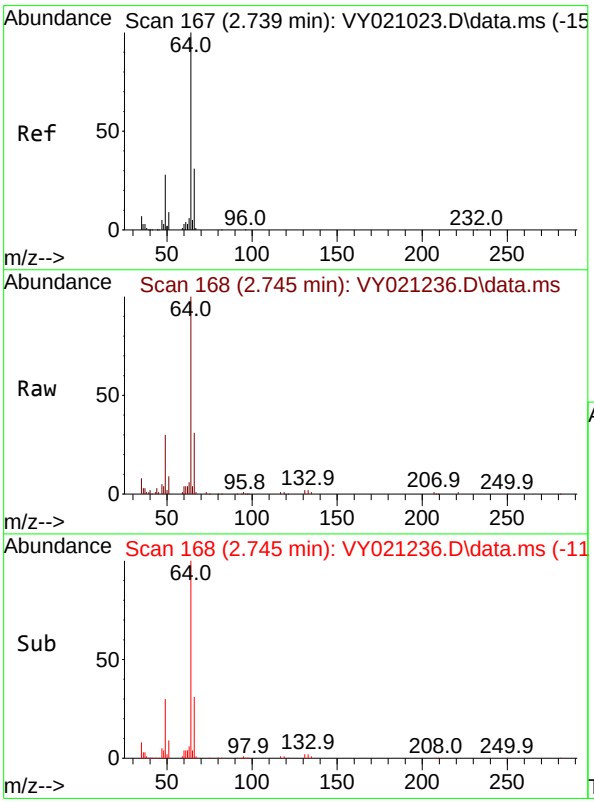
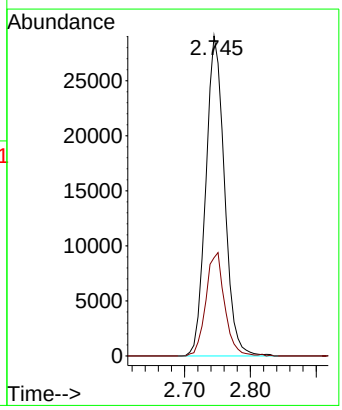


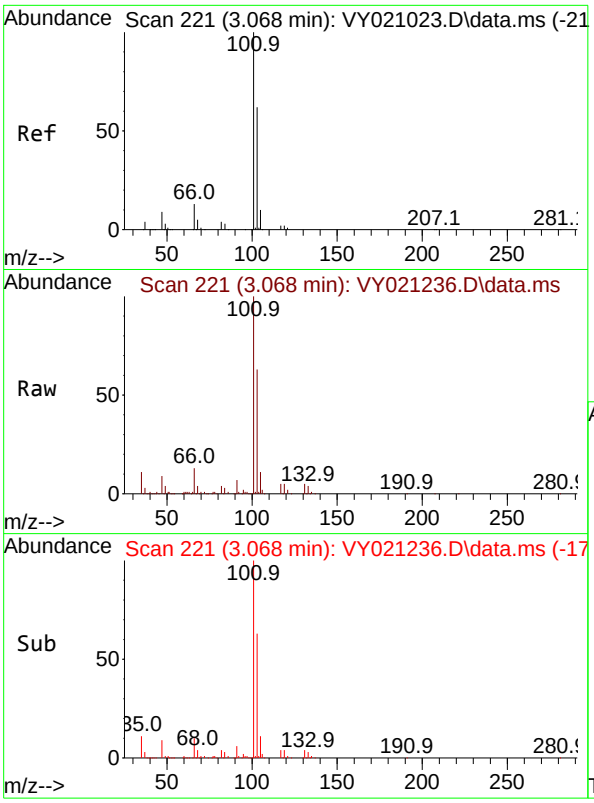


#6
Chloroethane
Concen: 54.253 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 64 Resp: 57311

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.1	37.7





#7
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:101 Resp: 16147

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.9	77.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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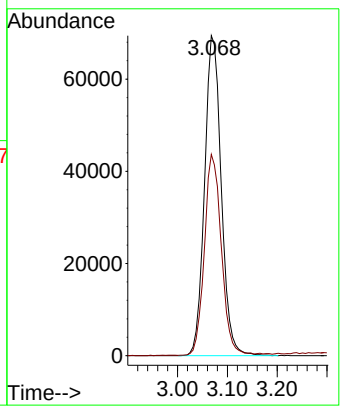
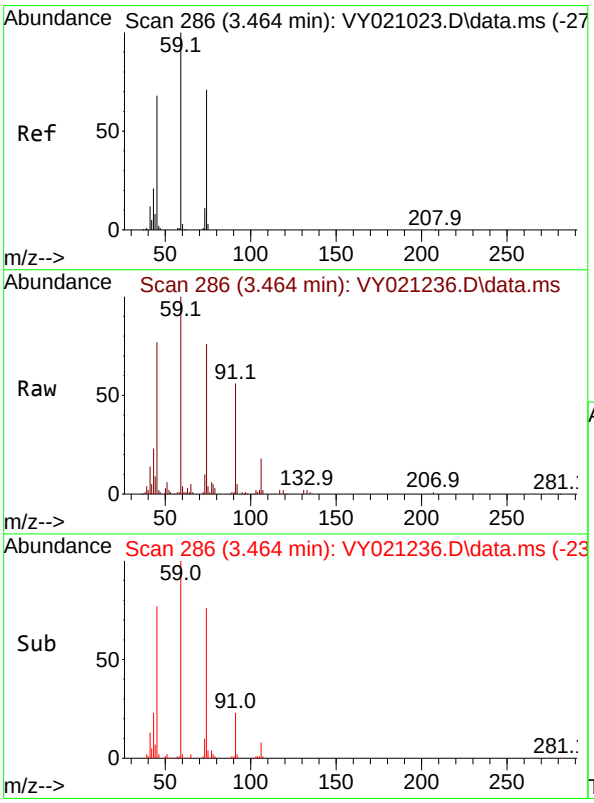
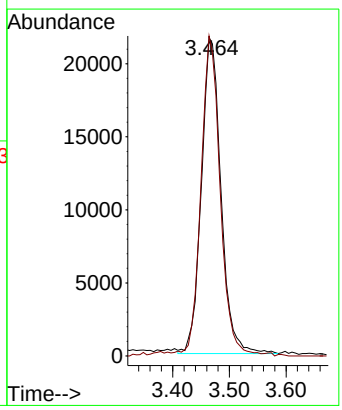


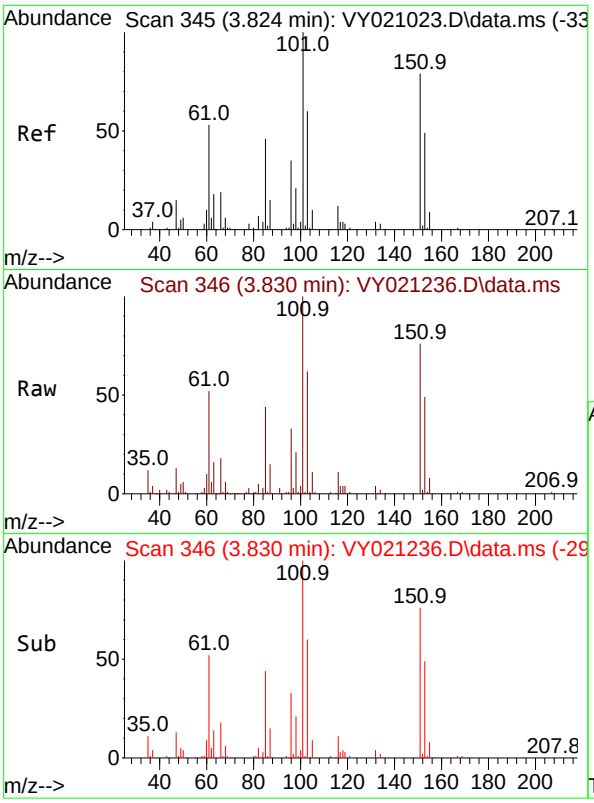


#8
Diethyl Ether
Concen: 51.545 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 74 Resp: 52022

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.319 ug/l
RT: 3.830 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:101 Resp: 9804

Ion	Ratio	Lower	Upper
101	100		
85	46.4	35.8	53.6
151	77.5	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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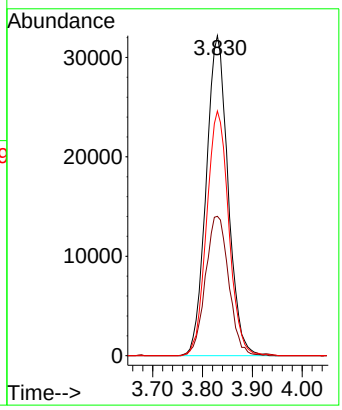
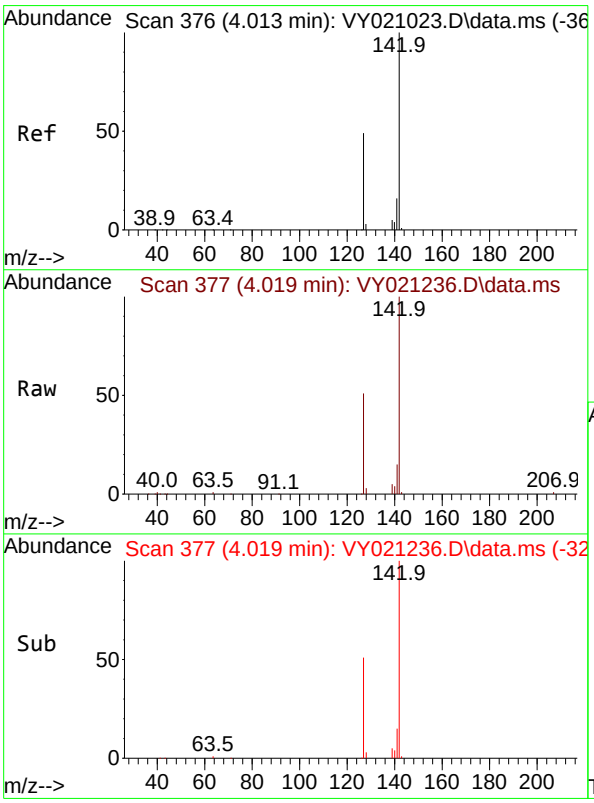
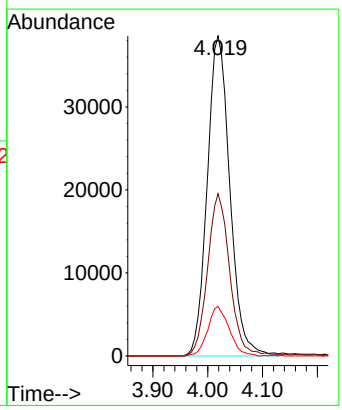


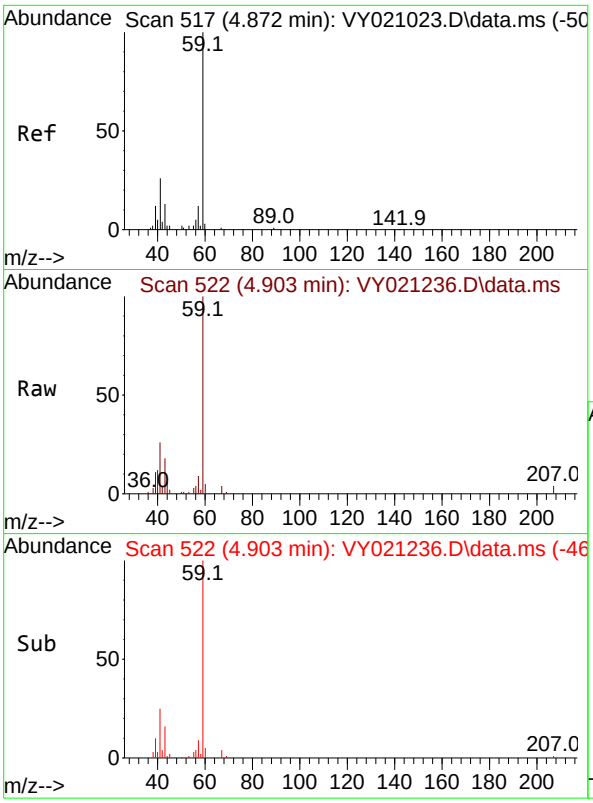


#10
Methyl Iodide
Concen: 49.042 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:142 Resp: 110553

Ion	Ratio	Lower	Upper
142	100		
127	49.6	35.1	52.7
141	14.7	11.8	17.6

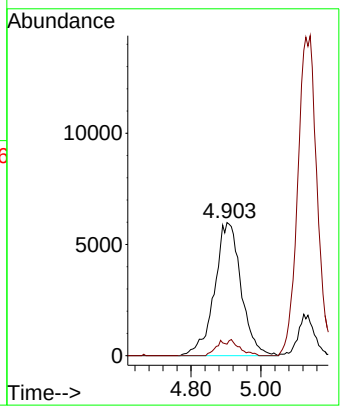




#11
Tert butyl alcohol
Concen: 226.709 ug/l
RT: 4.903 min Scan# 5
Delta R.T. 0.030 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 59 Resp: 3155

Ion	Ratio	Lower	Upper
59	100		
57	5.1	7.4	11.0#



Instrument :
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ClientSampleId :
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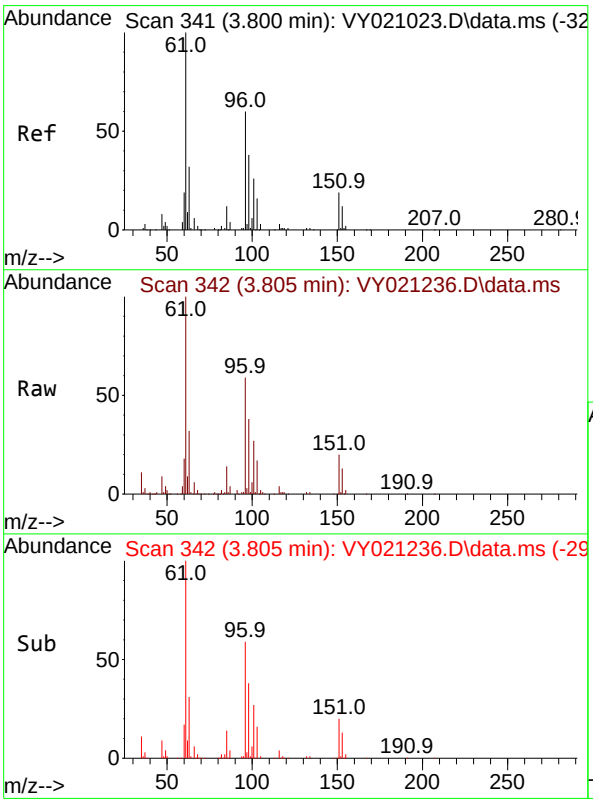
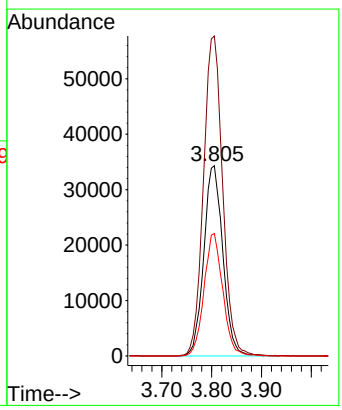
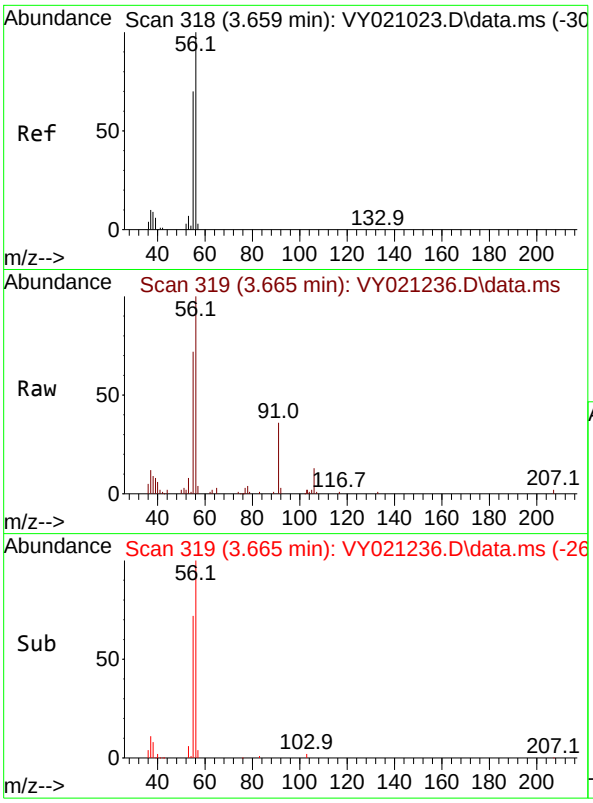


#12
1,1-Dichloroethene
Concen: 47.682 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 91137

Ion	Ratio	Lower	Upper
96	100		
61	168.2	124.2	186.2
98	64.4	52.6	79.0

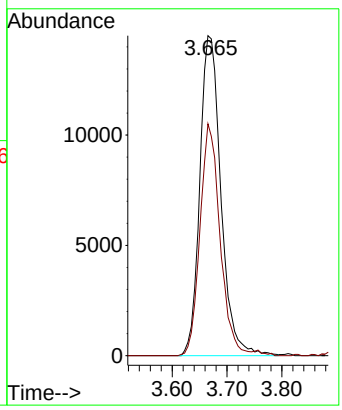




#13
Acrolein
Concen: 180.571 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 56 Resp: 3870

Ion	Ratio	Lower	Upper
56	100		
55	68.7	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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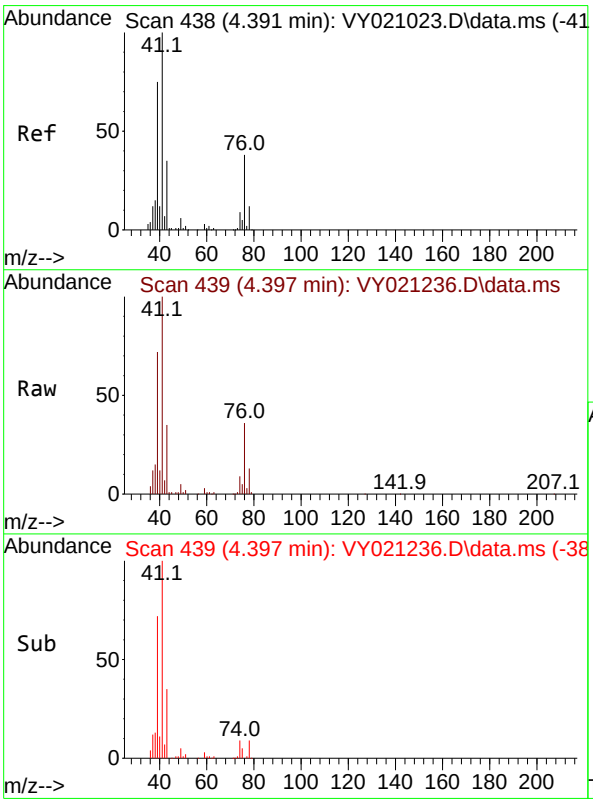
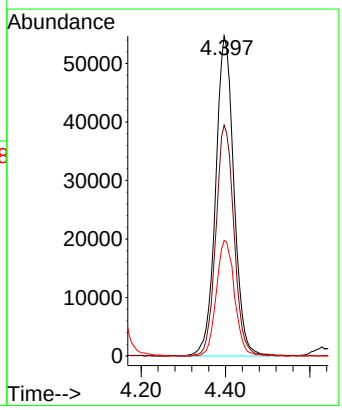
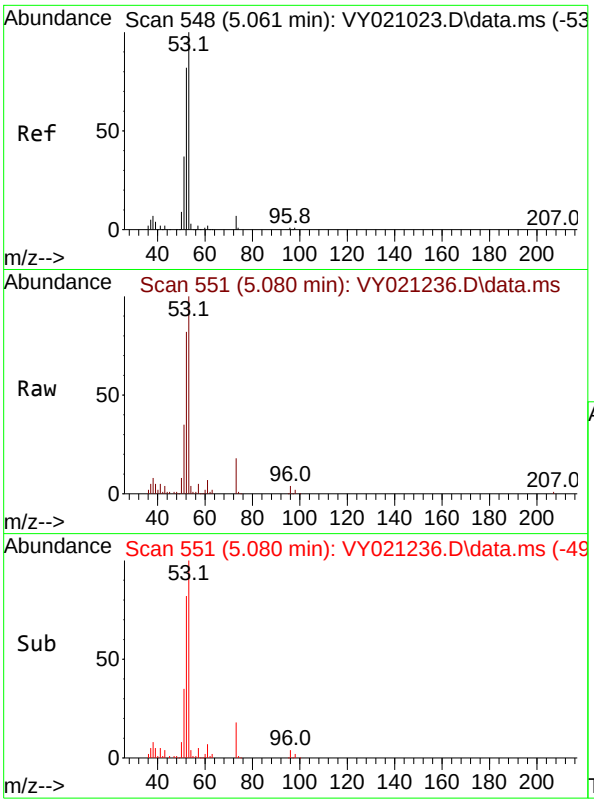


#14
Allyl chloride
Concen: 50.917 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 164021

Ion	Ratio	Lower	Upper
41	100		
39	71.5	54.7	82.1
76	35.9	31.8	47.6





#15
Acrylonitrile
Concen: 254.538 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 53 Resp: 10697

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.1	97.7
51	37.3	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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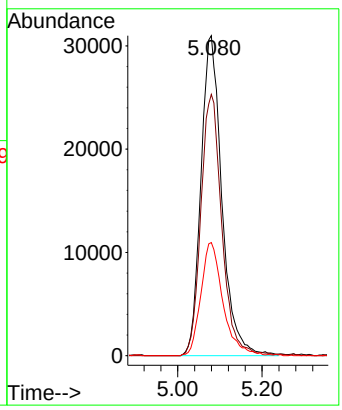
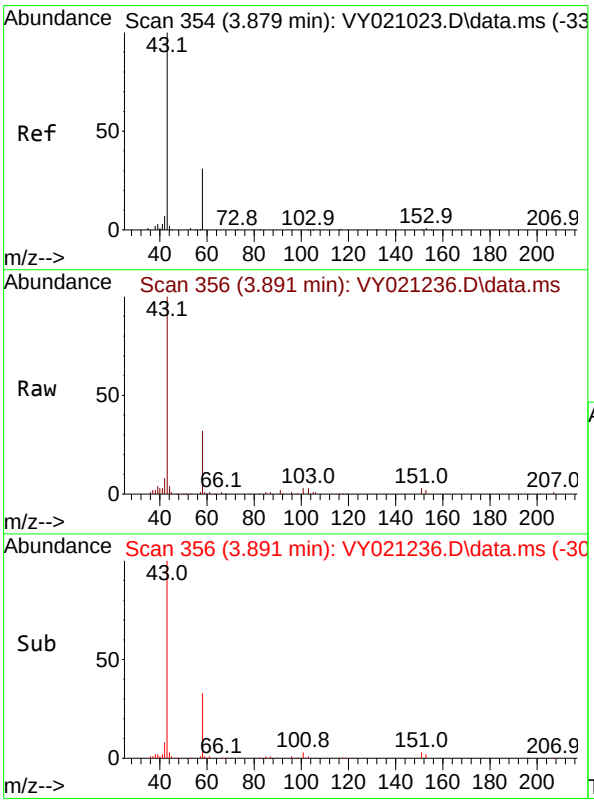
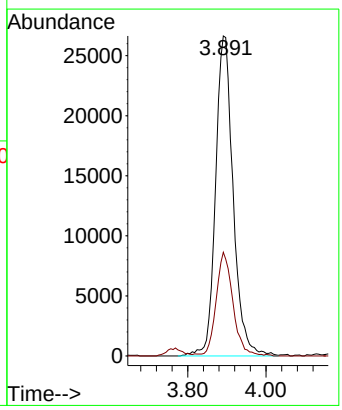


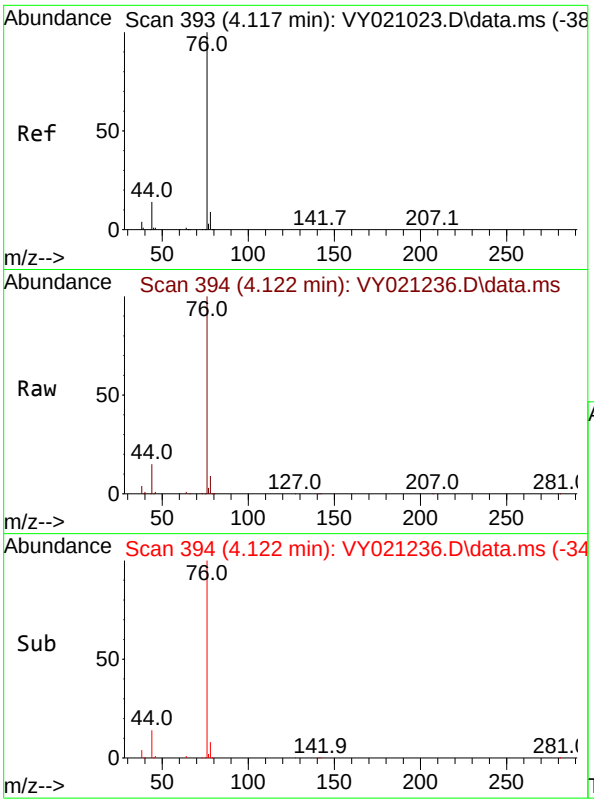


#16
Acetone
Concen: 259.354 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 83071

Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.6	39.8

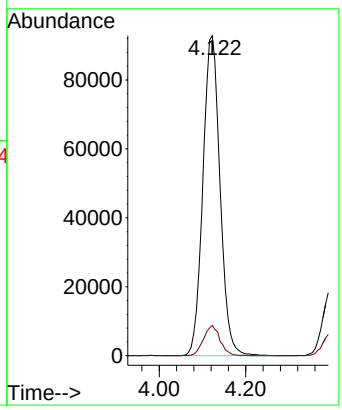




#17
Carbon Disulfide
Concen: 42.570 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 76 Resp: 25514

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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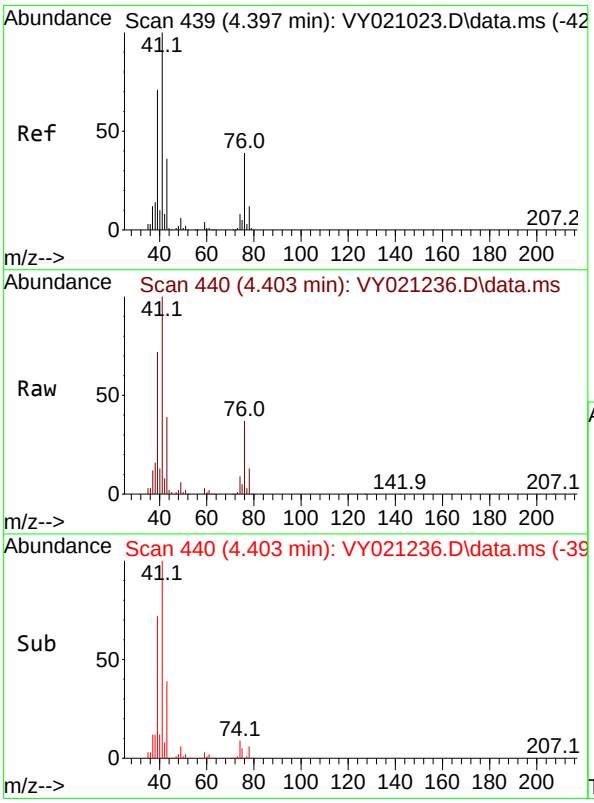
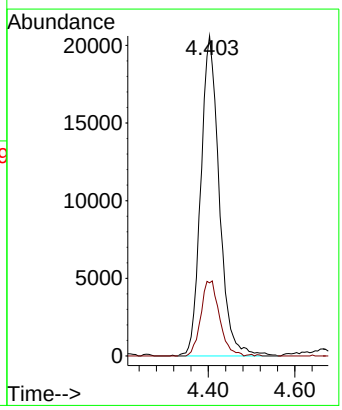
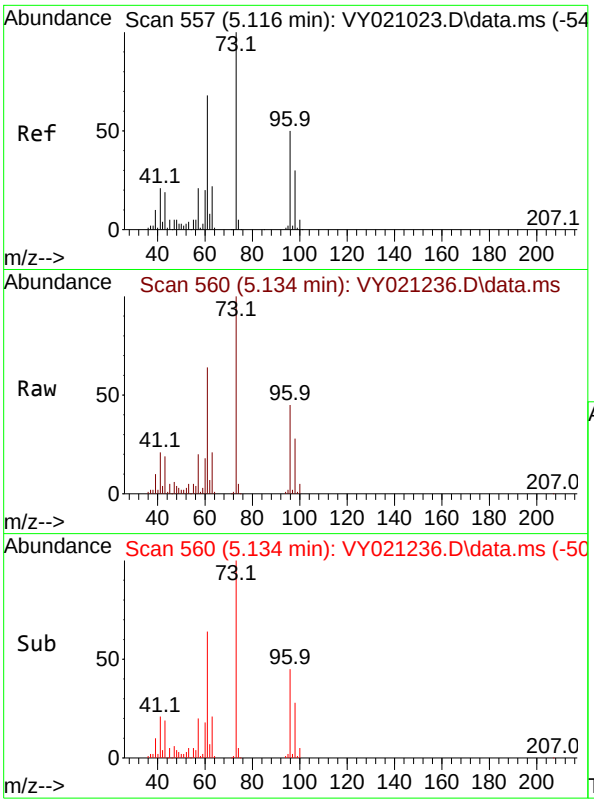


#18
Methyl Acetate
Concen: 54.139 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 60873

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.8	29.6

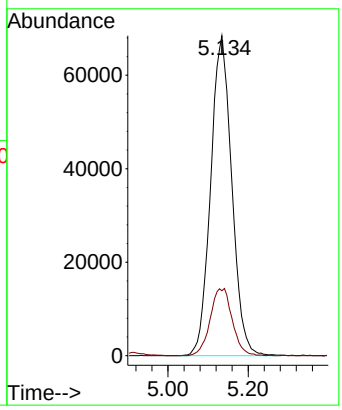




#19
Methyl tert-butyl Ether
Concen: 51.750 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 73 Resp: 25000

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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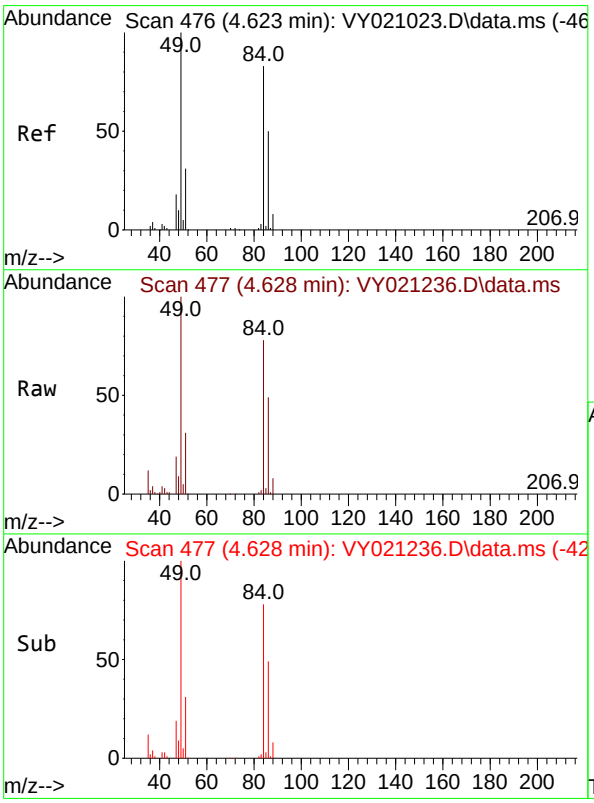
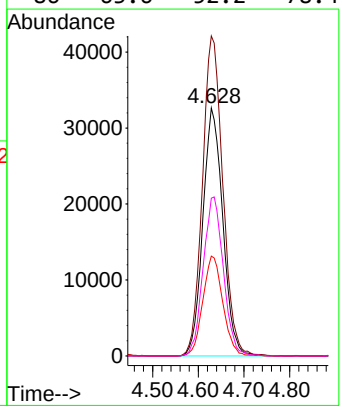
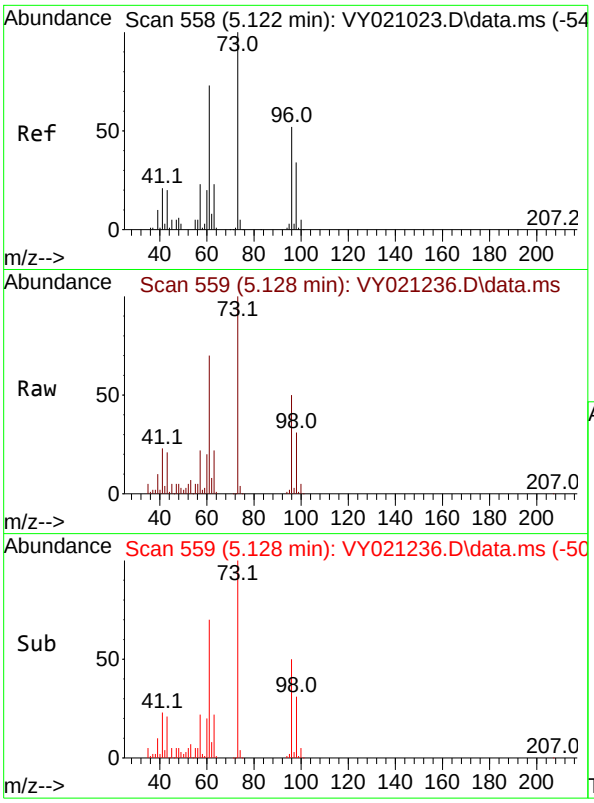


#20
Methylene Chloride
Concen: 49.688 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 84 Resp: 98938

Ion	Ratio	Lower	Upper
84	100		
49	129.0	95.2	142.8
51	40.3	29.9	44.9
86	63.6	52.2	78.4

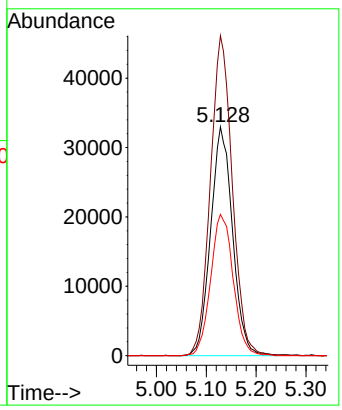




#21
trans-1,2-Dichloroethene
Concen: 47.939 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 10086

Ion	Ratio	Lower	Upper
96	100		
61	139.9	104.6	156.8
98	61.7	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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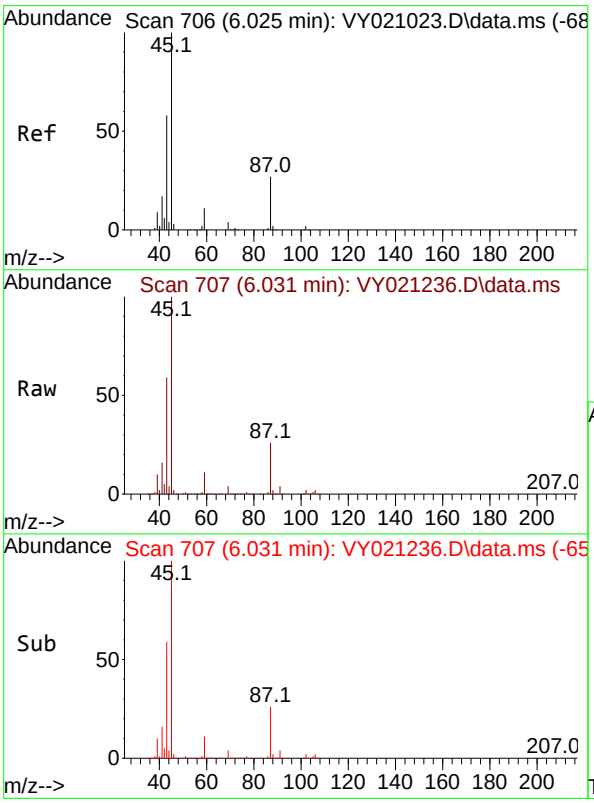
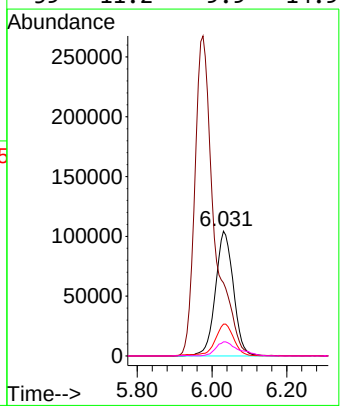
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

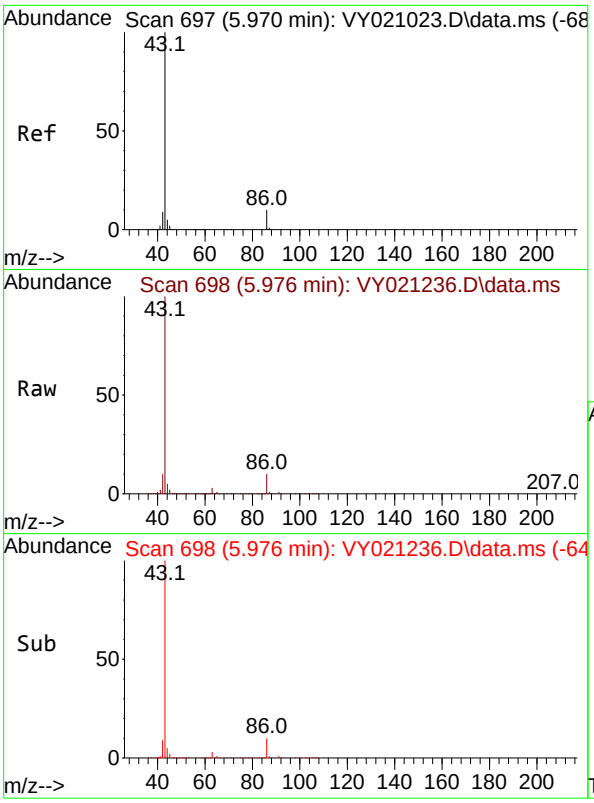


#22
Diisopropyl ether
Concen: 52.568 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 45 Resp: 349042

Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.8	70.2
87	25.5	22.2	33.2
59	11.2	9.9	14.9





#23
Vinyl Acetate
Concen: 259.121 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 95911

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.6	13.0

Instrument :
MSVOA_Y
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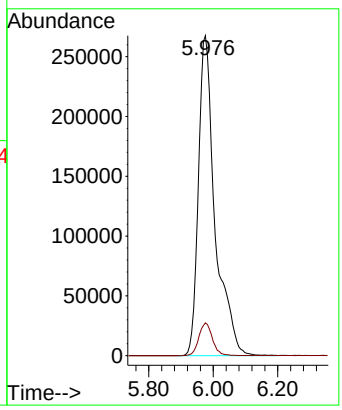
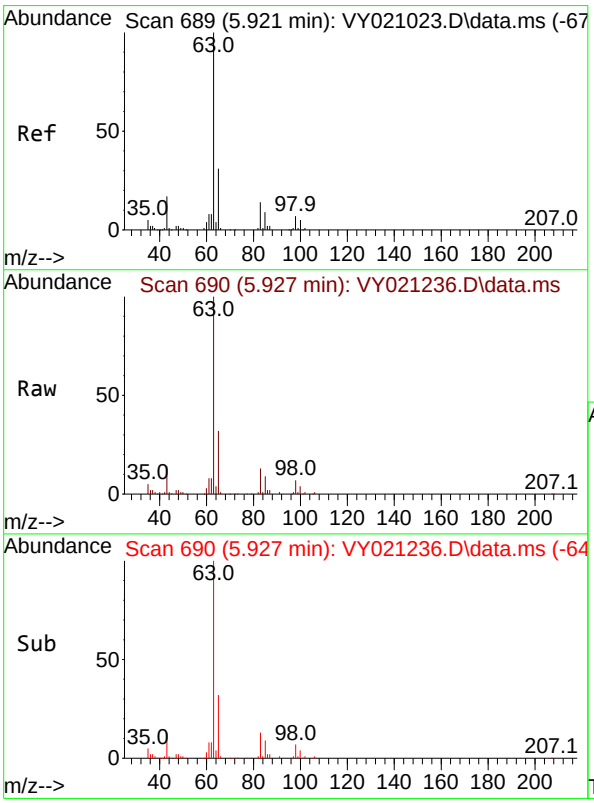
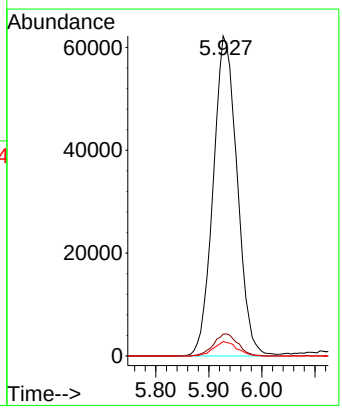


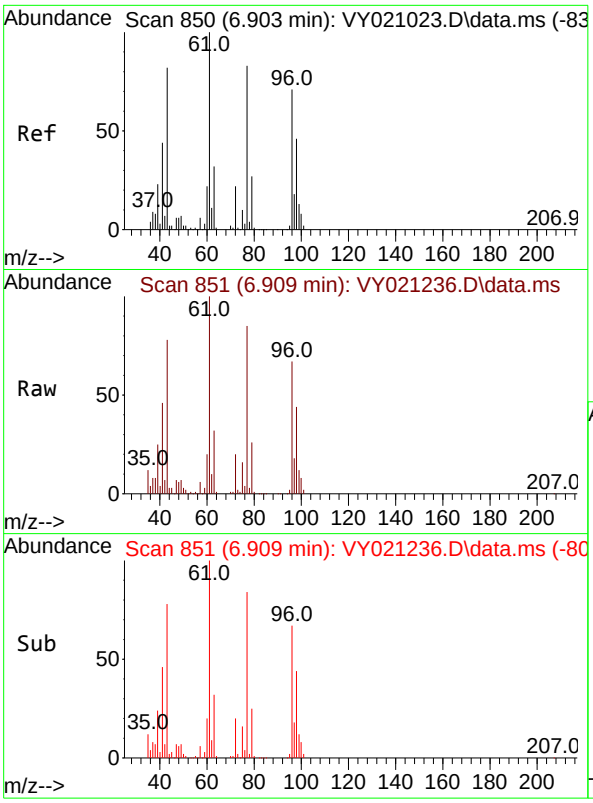


#24
1,1-Dichloroethane
Concen: 50.349 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 195868

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.4
100	4.5	2.1	6.2





#25
2-Butanone
Concen: 257.014 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 13527

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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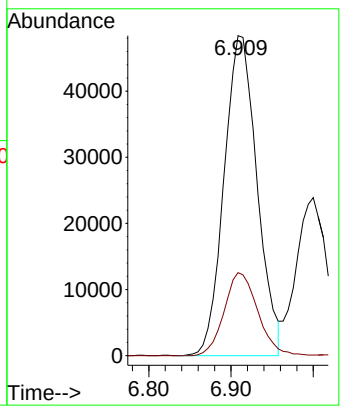
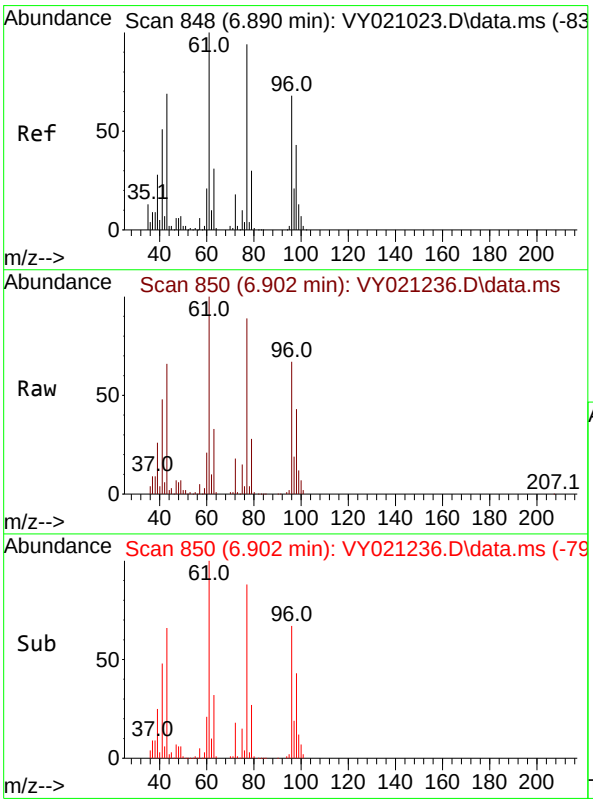
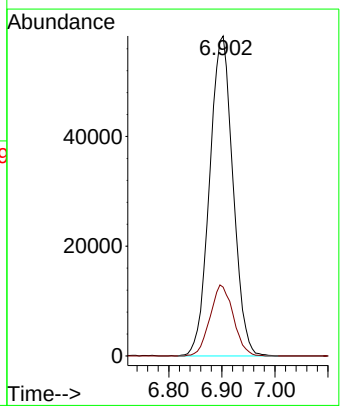


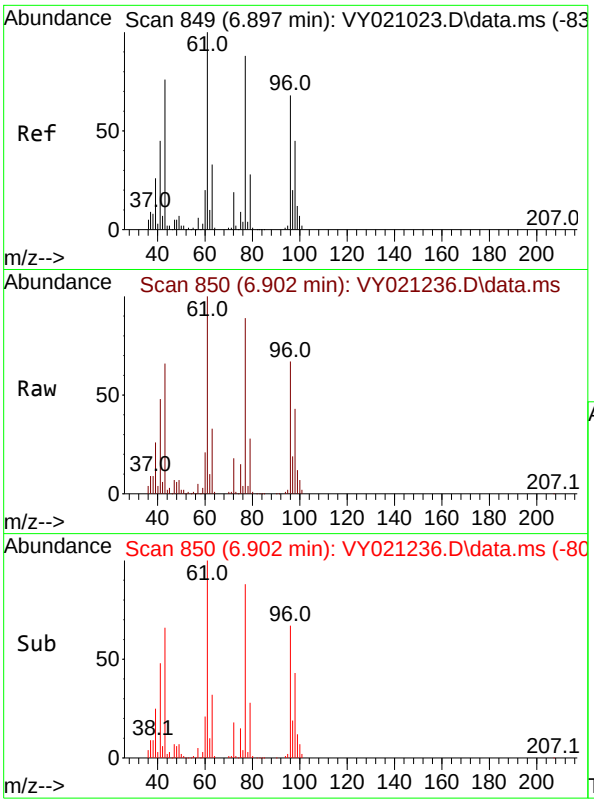


#26
2,2-Dichloropropane
Concen: 49.635 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 77 Resp: 178662

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.7	35.0





#27
cis-1,2-Dichloroethene
Concen: 49.906 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 12085

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	278.8
98	64.5	0.0	127.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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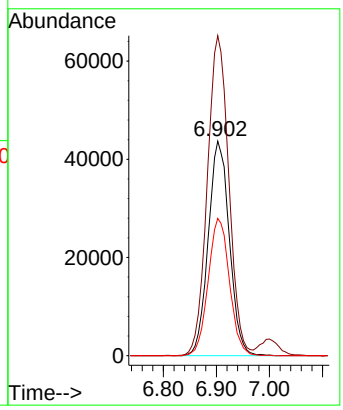
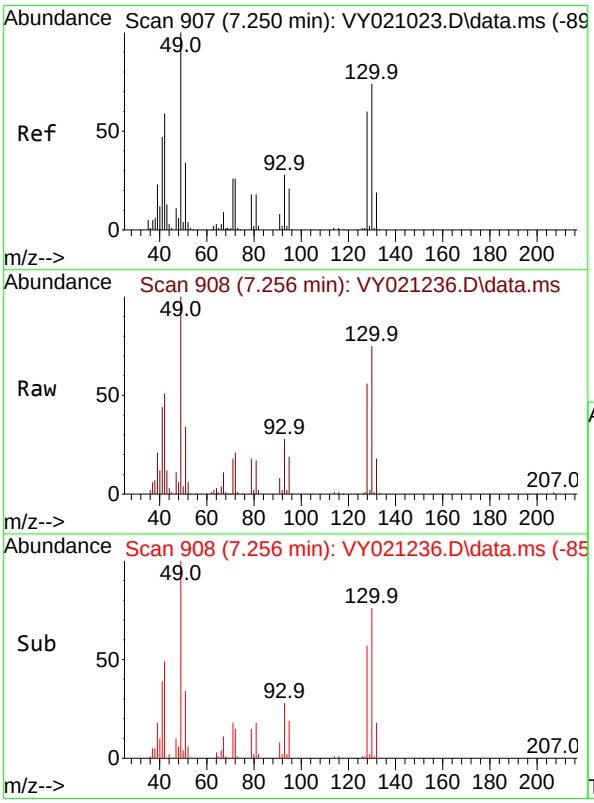
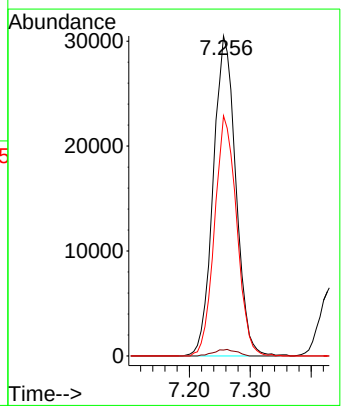


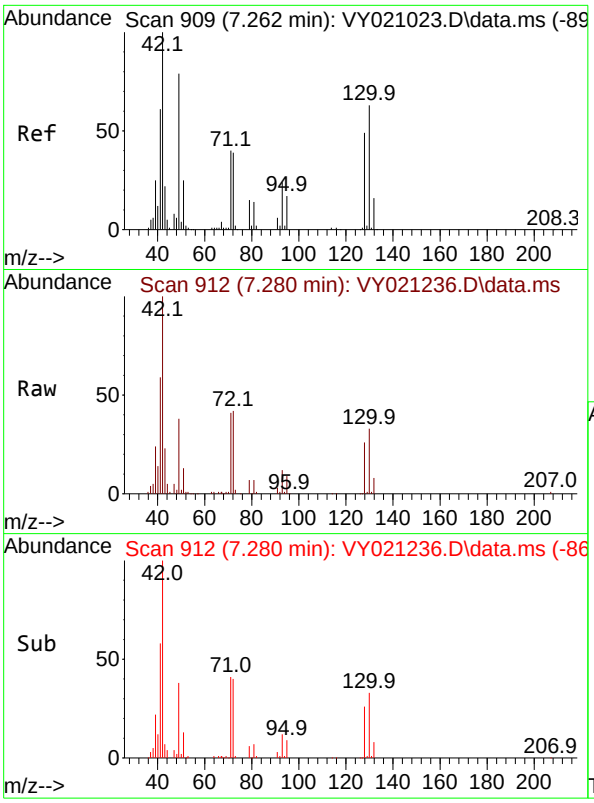


#28
Bromochloromethane
Concen: 51.015 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 49 Resp: 78475

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	73.4	59.8	89.8

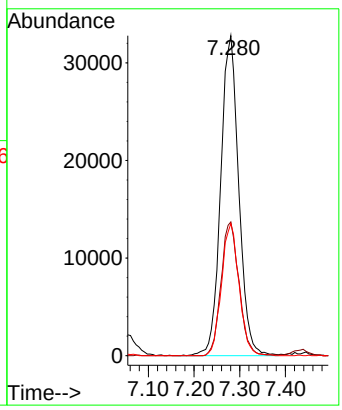




#29
Tetrahydrofuran
Concen: 253.611 ug/l
RT: 7.280 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 42 Resp: 9032

Ion	Ratio	Lower	Upper
42	100		
72	41.4	36.6	54.8
71	40.0	33.8	50.6



Instrument :
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ClientSampleId :
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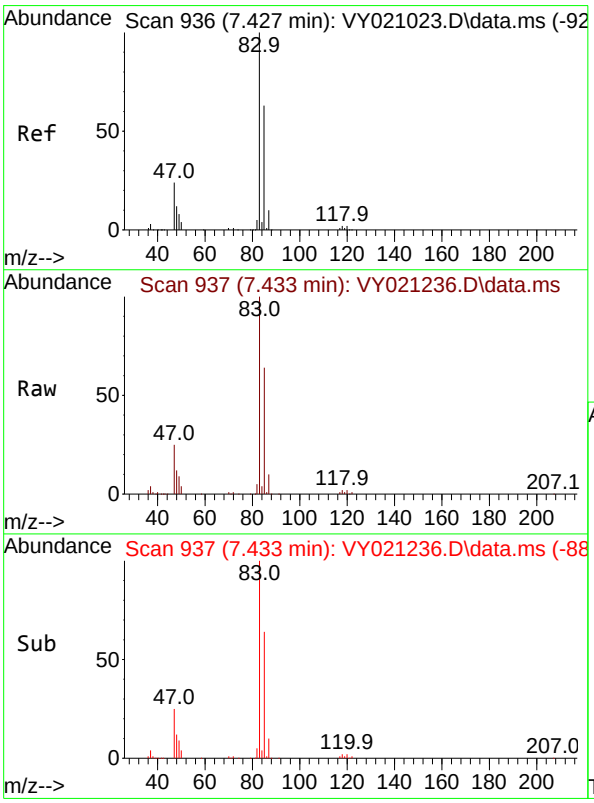
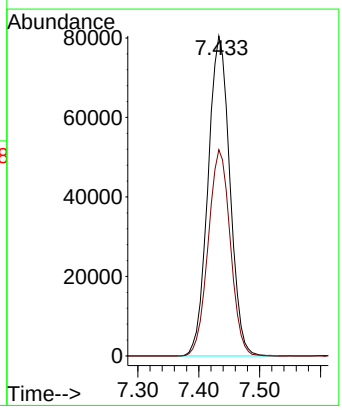
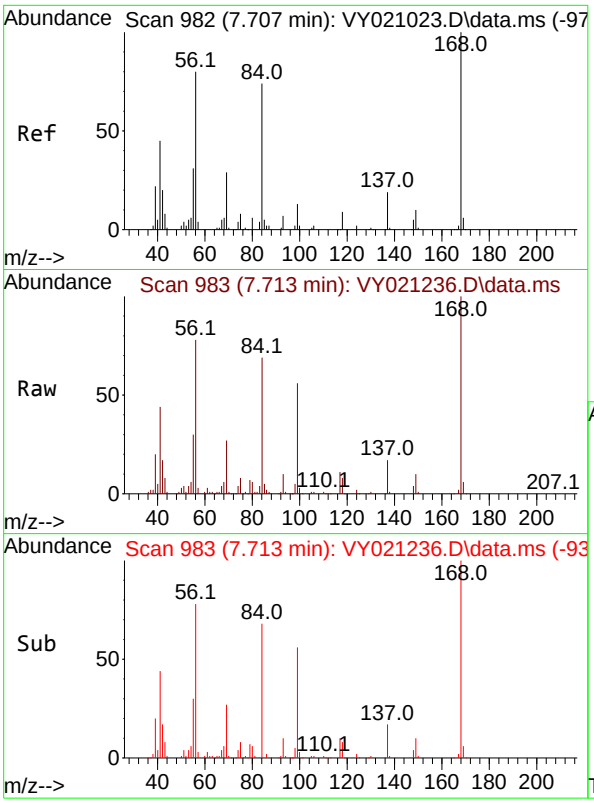


#30
Chloroform
Concen: 50.208 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 200620

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8





#31
Cyclohexane
Concen: 46.529 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 56 Resp: 16299

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	86.4	71.8	107.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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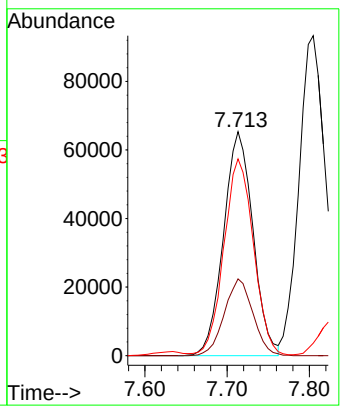
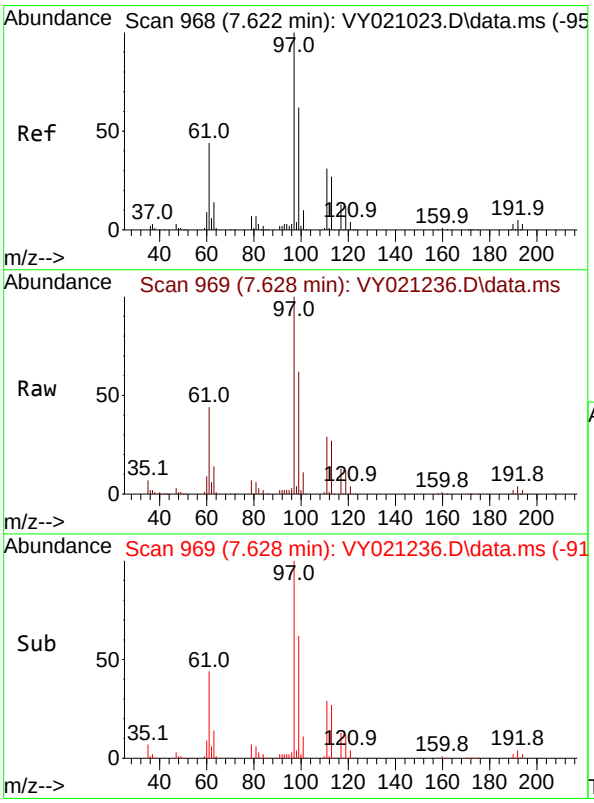
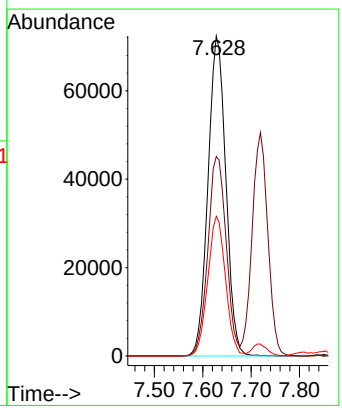


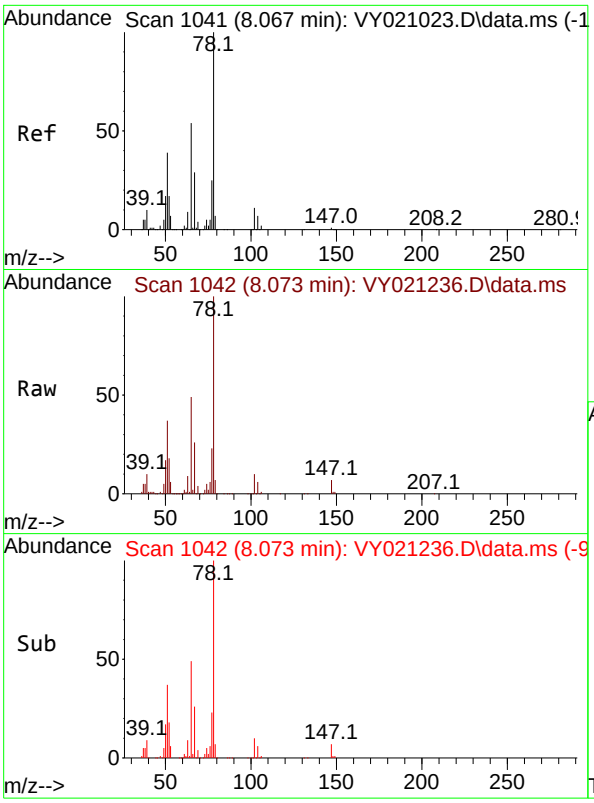


#32
1,1,1-Trichloroethane
Concen: 49.948 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 97 Resp: 185557

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	43.6	35.0	52.6

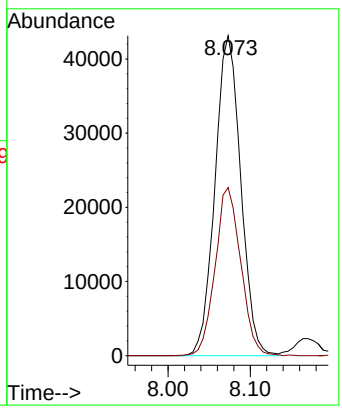




#33
1,2-Dichloroethane-d4
Concen: 45.832 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 65 Resp: 9413

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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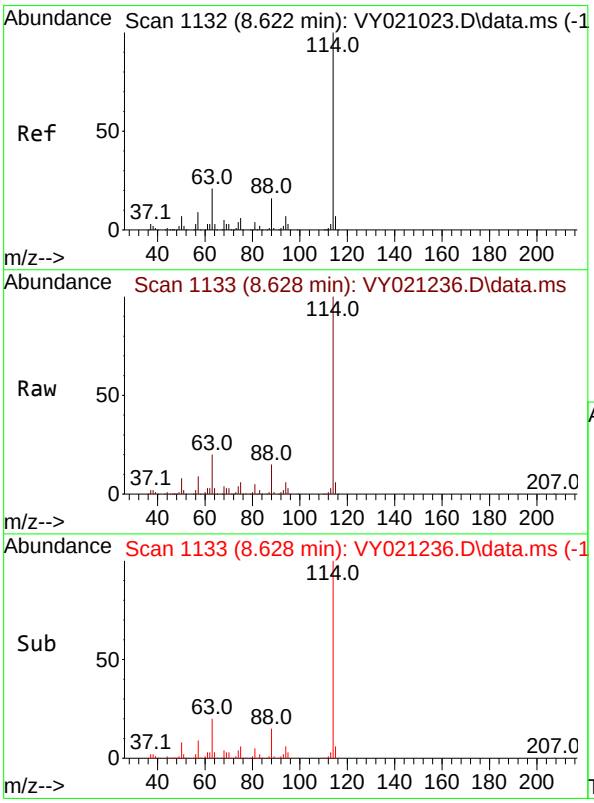
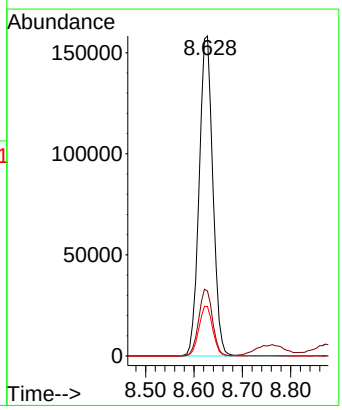
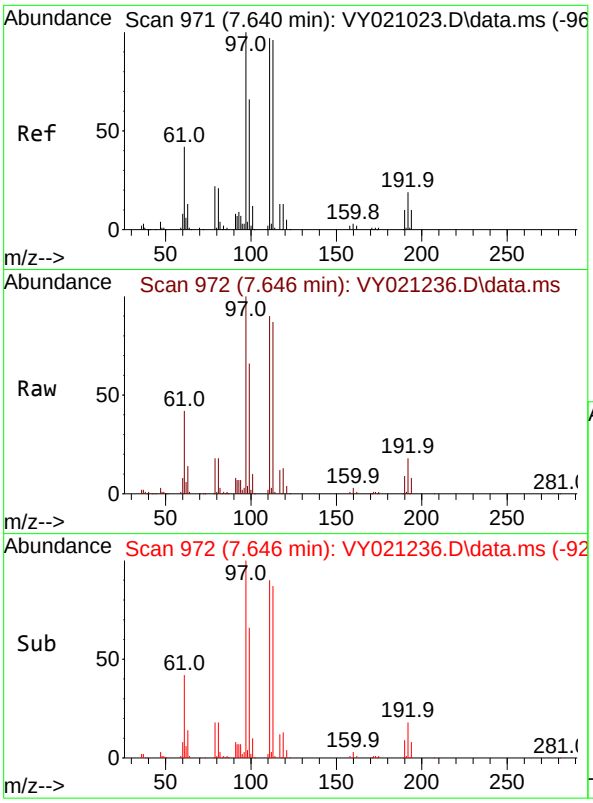


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:114 Resp: 311138

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	37.4
88	15.5	0.0	29.0





#35
Dibromofluoromethane
Concen: 46.730 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:113 Resp: 9317

Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.8	125.6
192	20.0	14.5	21.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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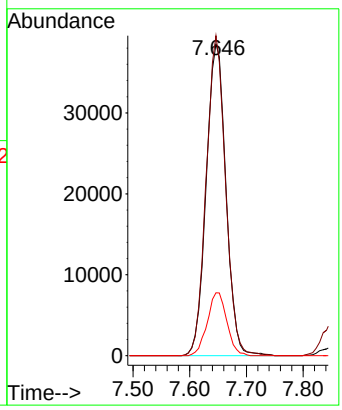
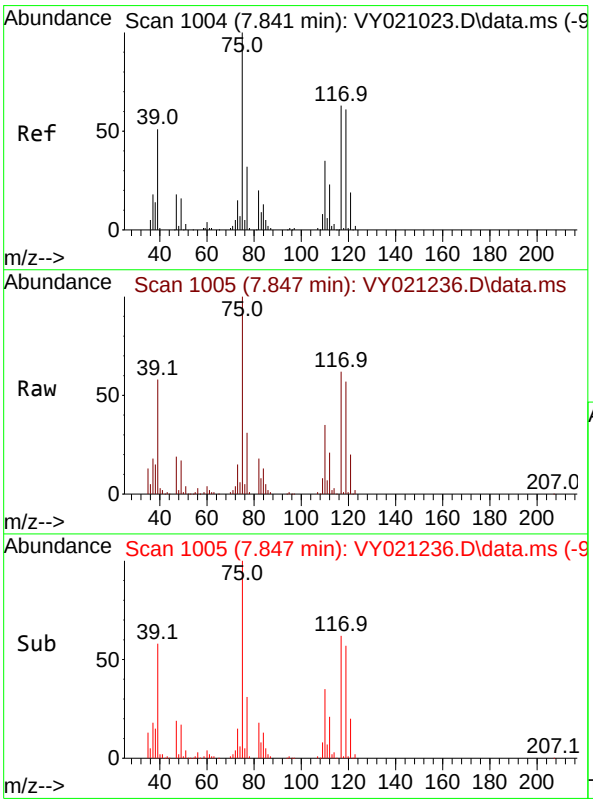
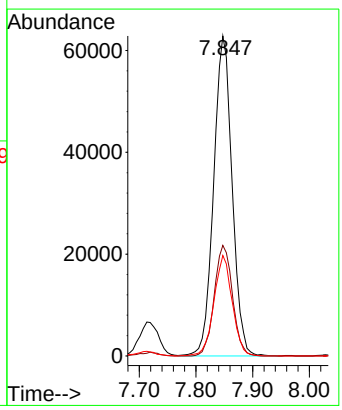


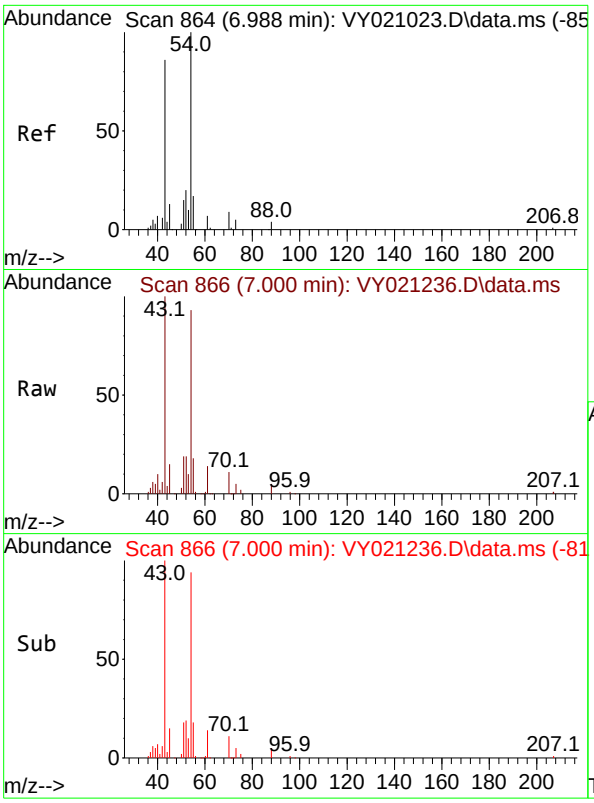


#36
1,1-Dichloropropene
Concen: 48.164 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 142250

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.4	52.3
77	31.2	24.7	37.1

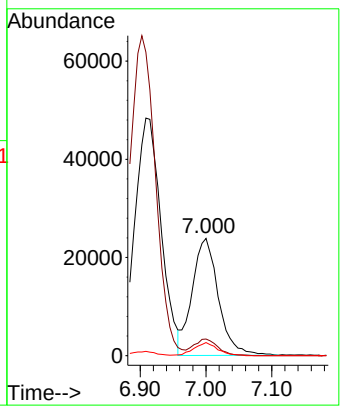




#37
Ethyl Acetate
Concen: 51.024 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 6610

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	10.1	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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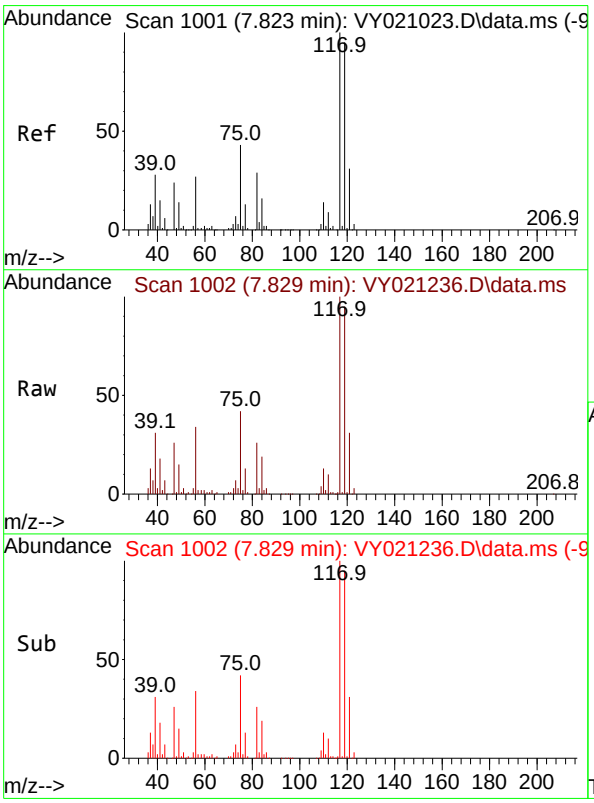
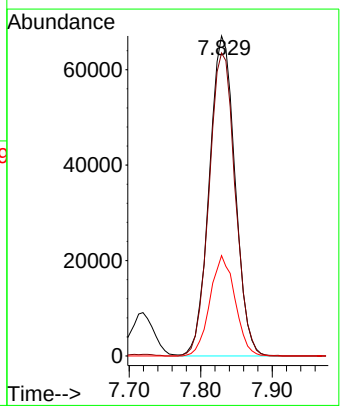
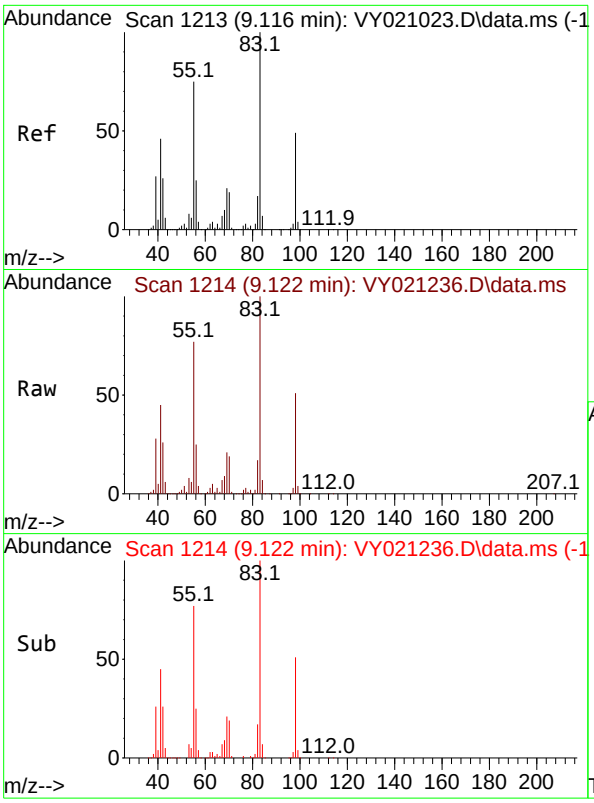


#38
Carbon Tetrachloride
Concen: 48.505 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 167388

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.0	114.0
121	31.3	24.2	36.2





#39
Methylcyclohexane
Concen: 49.986 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 18058

Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.7	89.5
98	51.2	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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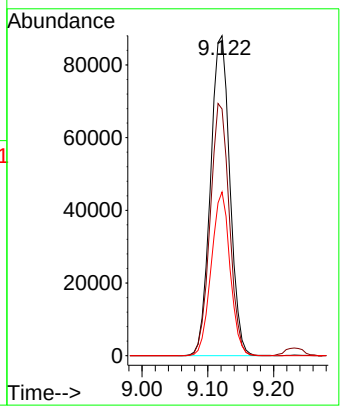
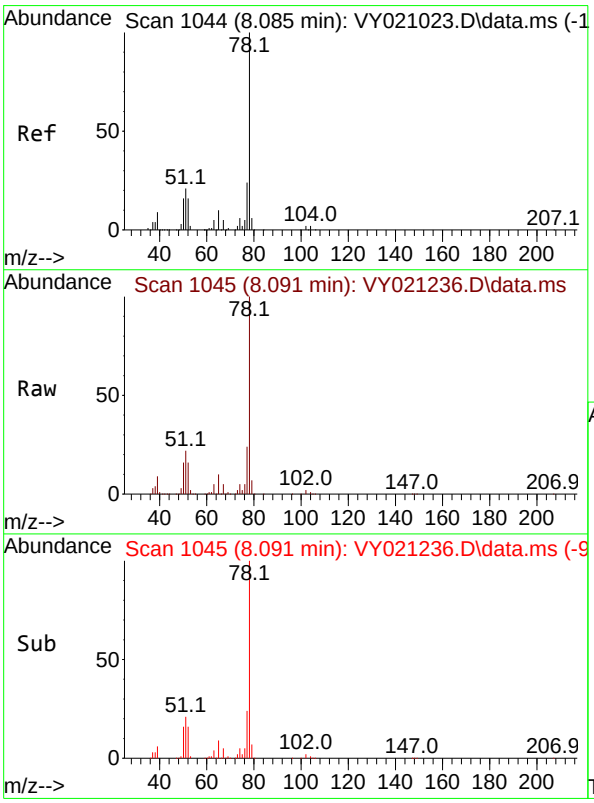
Supervised By :Mahesh Dadoda 02/20/2025

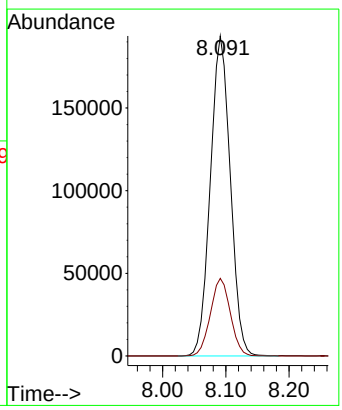


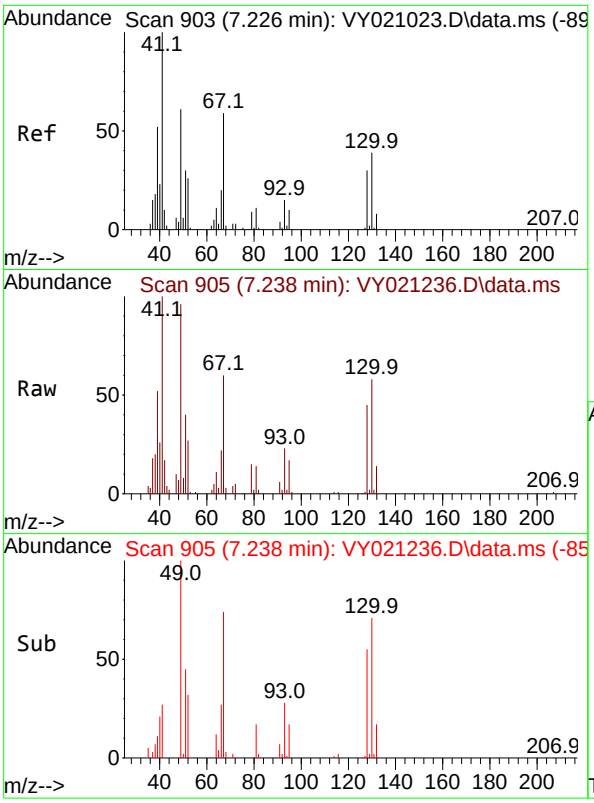


#40
Benzene
Concen: 48.970 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 78 Resp: 424435

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

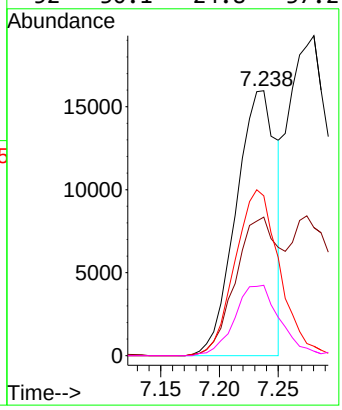




#41
Methacrylonitrile
Concen: 50.853 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 3811

Ion	Ratio	Lower	Upper
41	100		
39	58.8	41.9	62.9
67	69.7	59.8	89.6
52	30.1	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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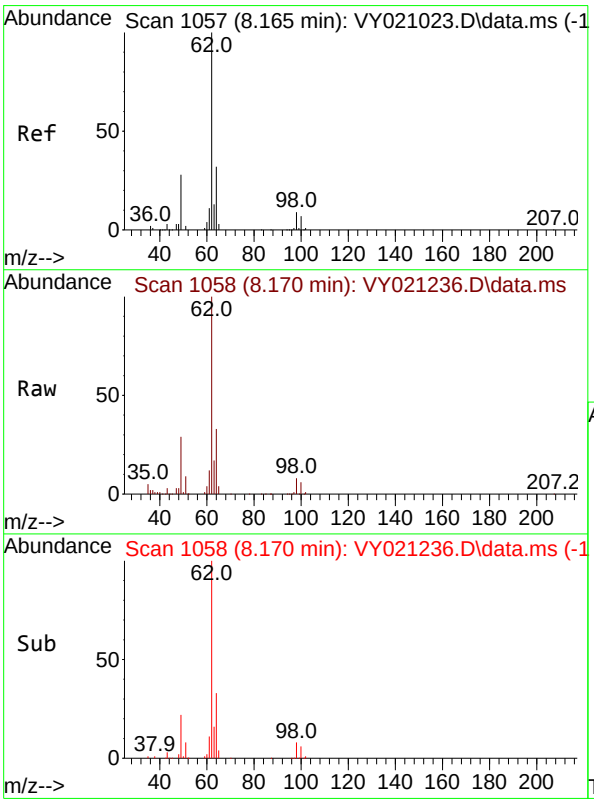
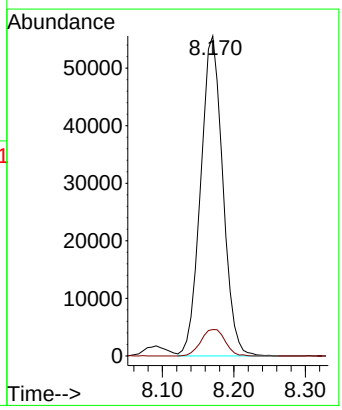
Supervised By :Mahesh Dadoda 02/20/2025

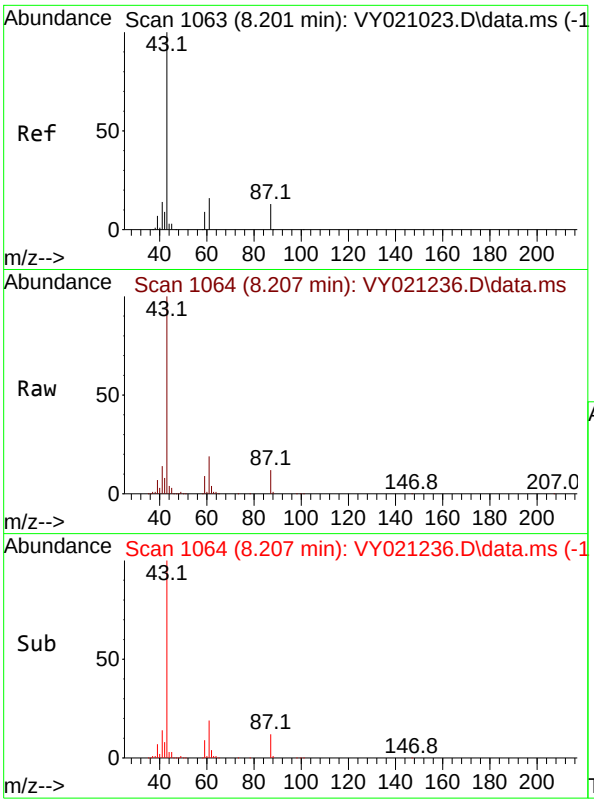


#42
1,2-Dichloroethane
Concen: 49.711 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 119521

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.2





#43
Isopropyl Acetate
Concen: 52.494 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 13514

Ion	Ratio	Lower	Upper
43	100		
61	19.2	24.8	37.2
87	12.5	10.7	16.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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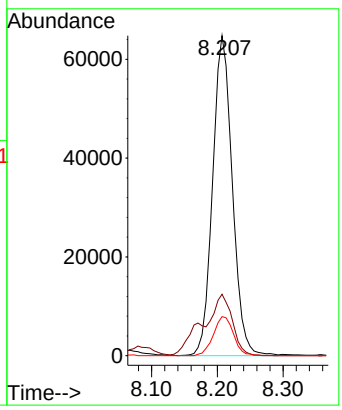
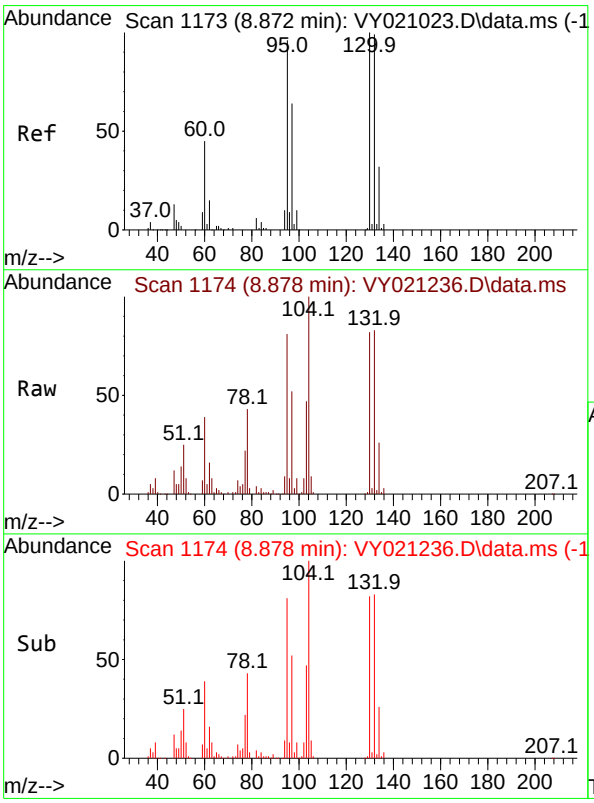
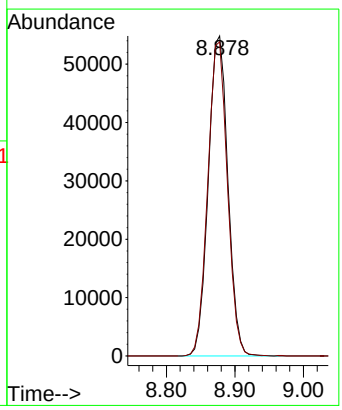


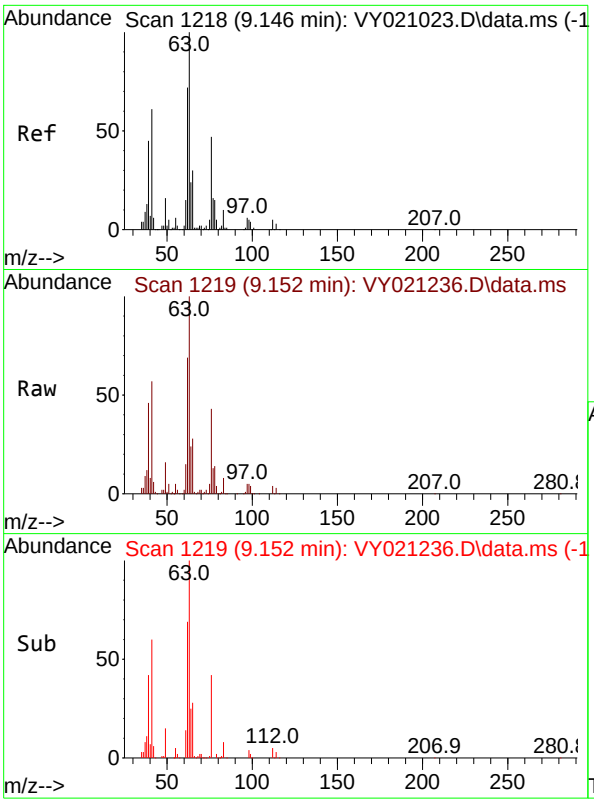


#44
Trichloroethene
Concen: 48.712 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:130 Resp: 109079

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	203.8

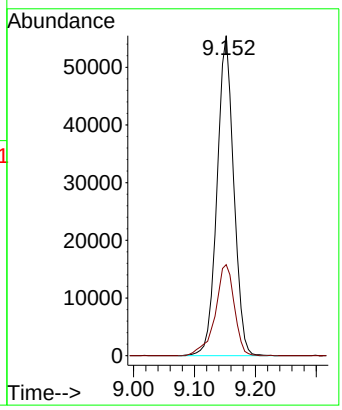




#45
1,2-Dichloropropane
Concen: 51.328 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 10559

Ion	Ratio	Lower	Upper
63	100		
65	28.5	24.6	36.8



Instrument :
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ClientSampleId :
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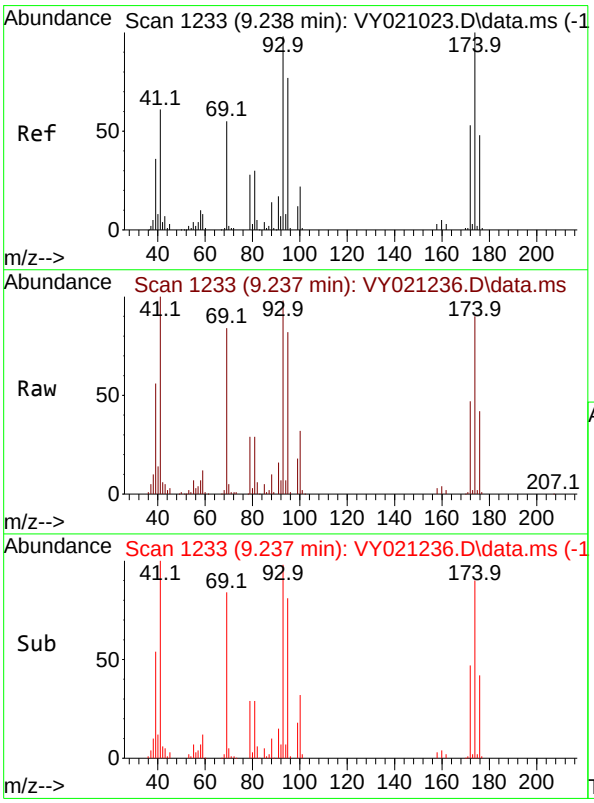
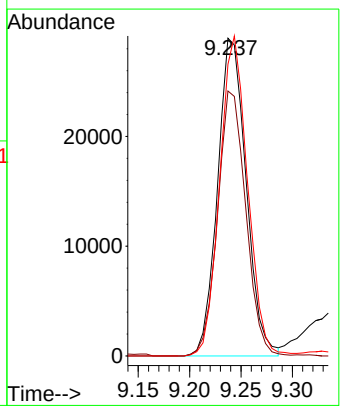
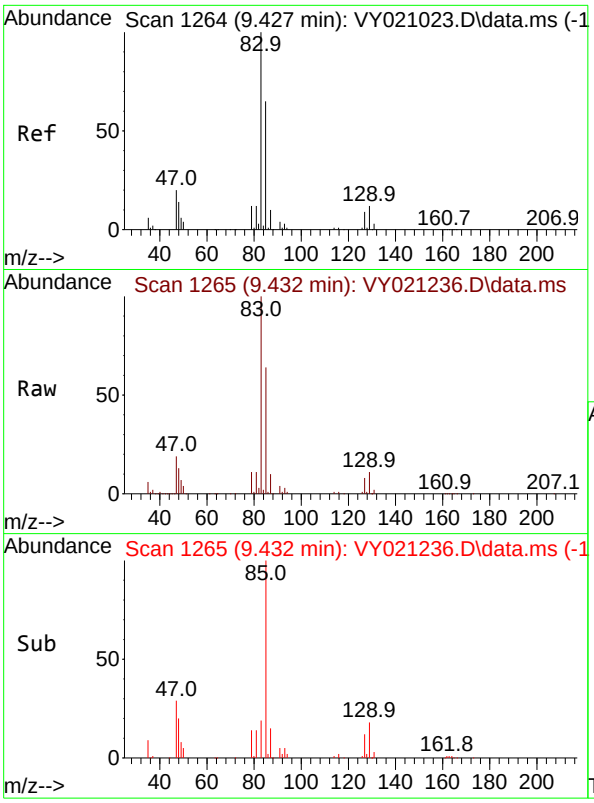


#46
Dibromomethane
Concen: 49.095 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 93 Resp: 55920

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.6	99.8
174	98.1	73.8	110.6

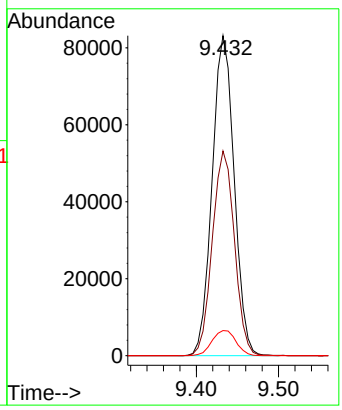




#47
Bromodichloromethane
Concen: 50.636 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 15468

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.2	79.8
127	7.8	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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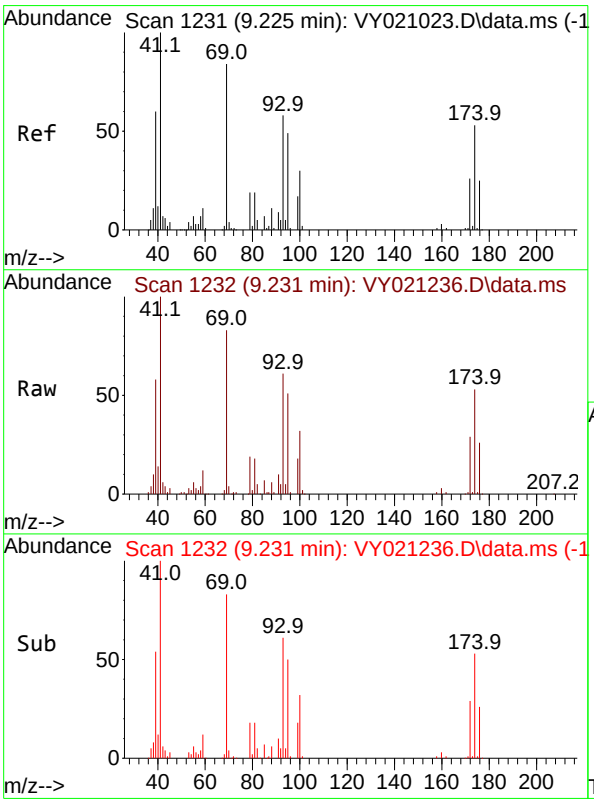
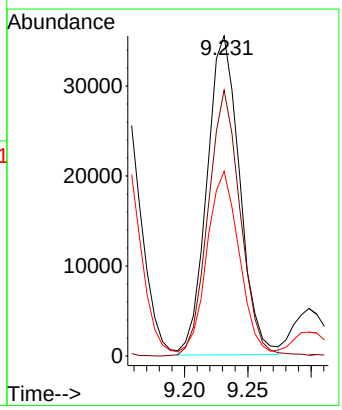
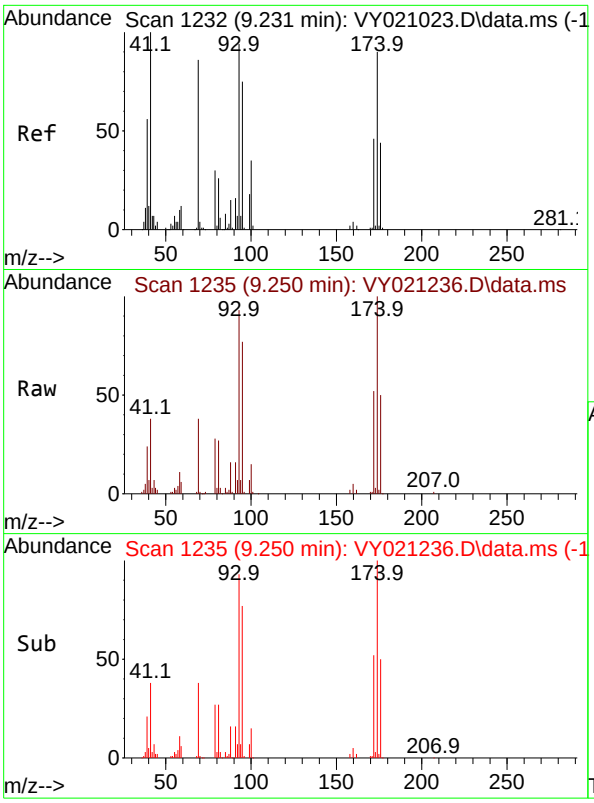


#48
Methyl methacrylate
Concen: 54.376 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 63766

Ion	Ratio	Lower	Upper
41	100		
69	82.0	72.1	108.1
39	55.0	42.8	64.2





#49
1,4-Dioxane
Concen: 1039.289 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 88 Resp: 1102

Ion	Ratio	Lower	Upper
88	100		
43	31.9	28.2	42.4
58	72.9	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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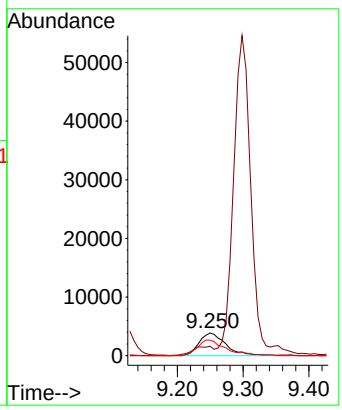
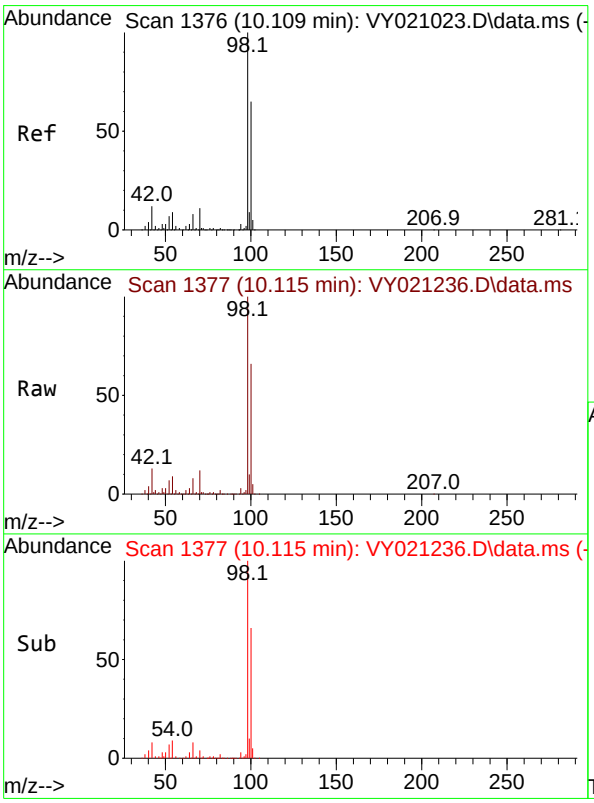
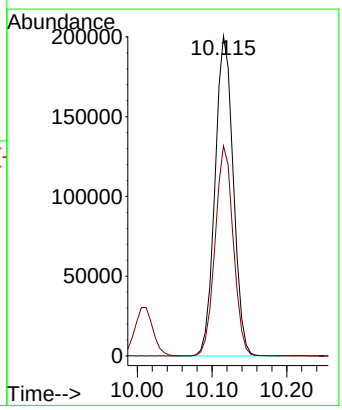


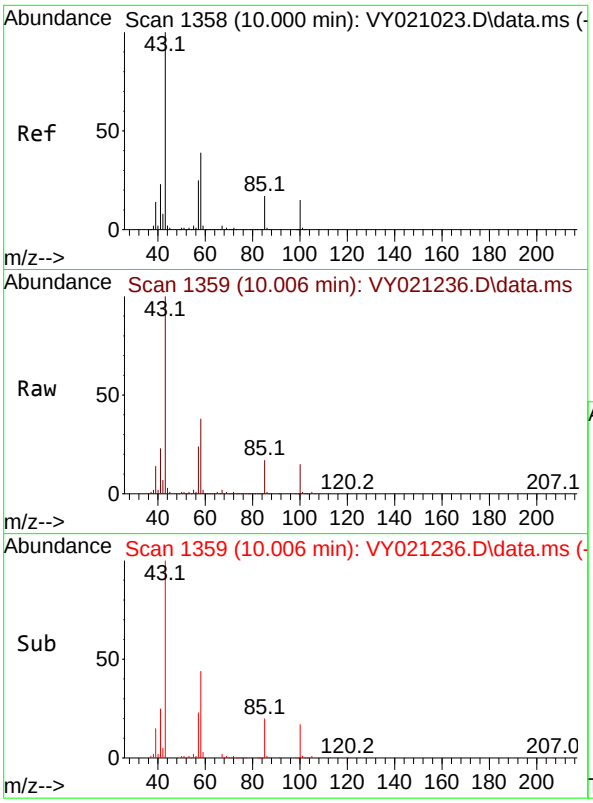


#50
Toluene-d8
Concen: 44.845 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 98 Resp: 340426

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5

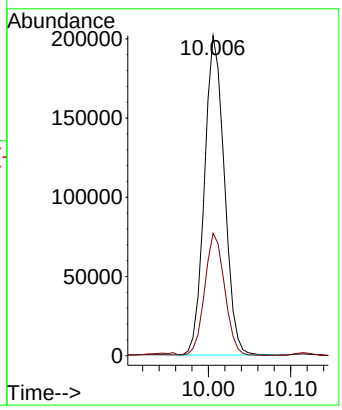




#51
4-Methyl-2-Pentanone
Concen: 261.432 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 33845

Ion	Ratio	Lower	Upper
43	100		
58	38.7	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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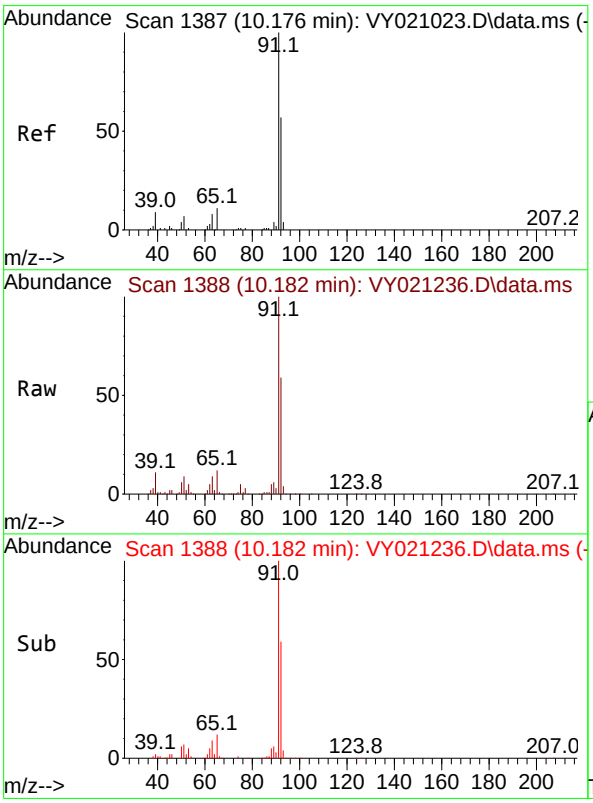
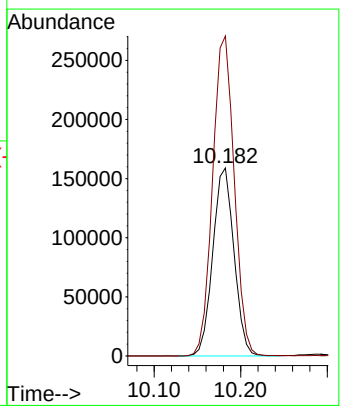
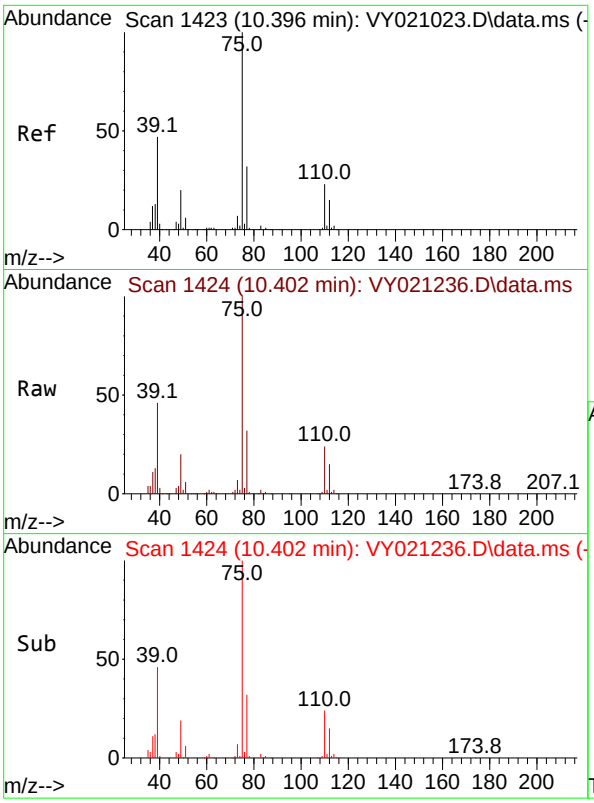


#52
Toluene
Concen: 49.688 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 92 Resp: 270409

Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.6	206.4

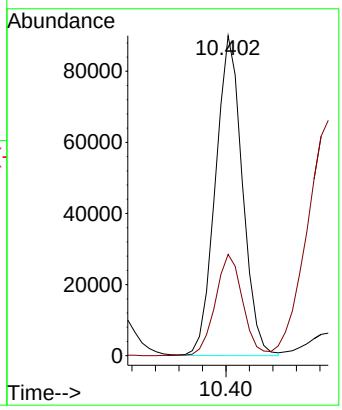




#53
t-1,3-Dichloropropene
Concen: 52.336 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 14355

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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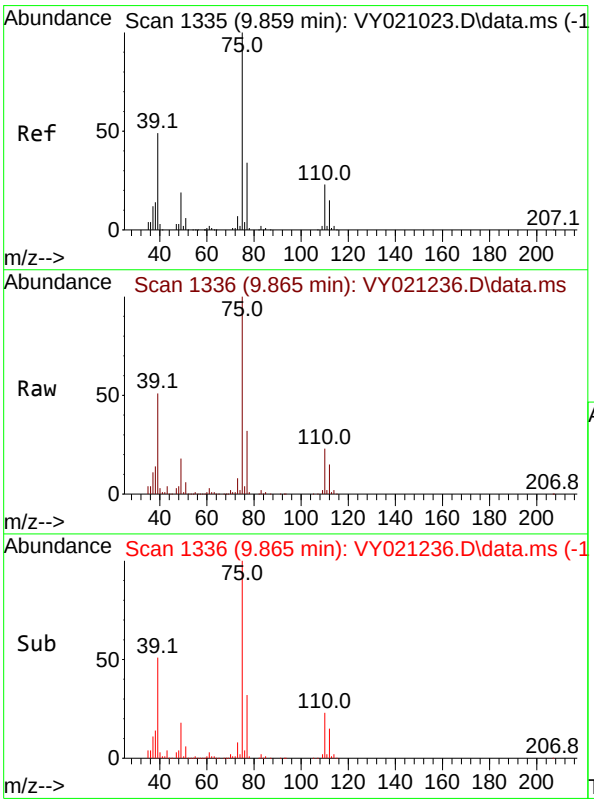
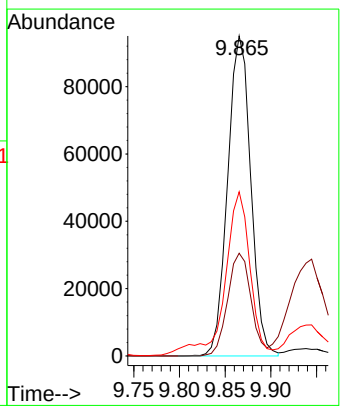
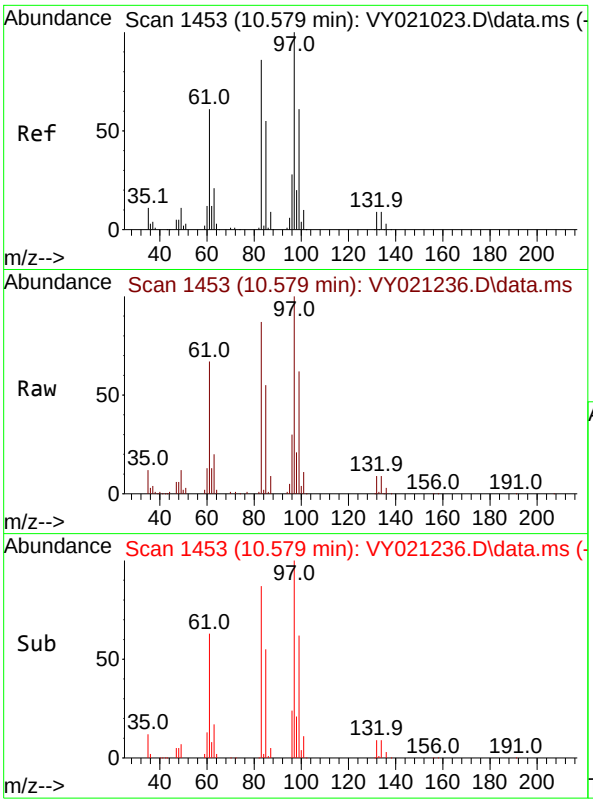


#54
cis-1,3-Dichloropropene
Concen: 51.553 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 167429

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8
39	49.1	33.6	50.4

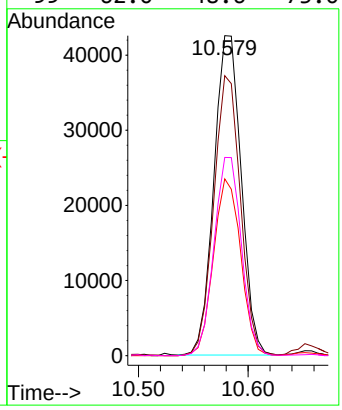




#55
1,1,2-Trichloroethane
Concen: 49.892 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 97 Resp: 7358

Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.4	104.2
85	55.4	43.9	65.9
99	62.0	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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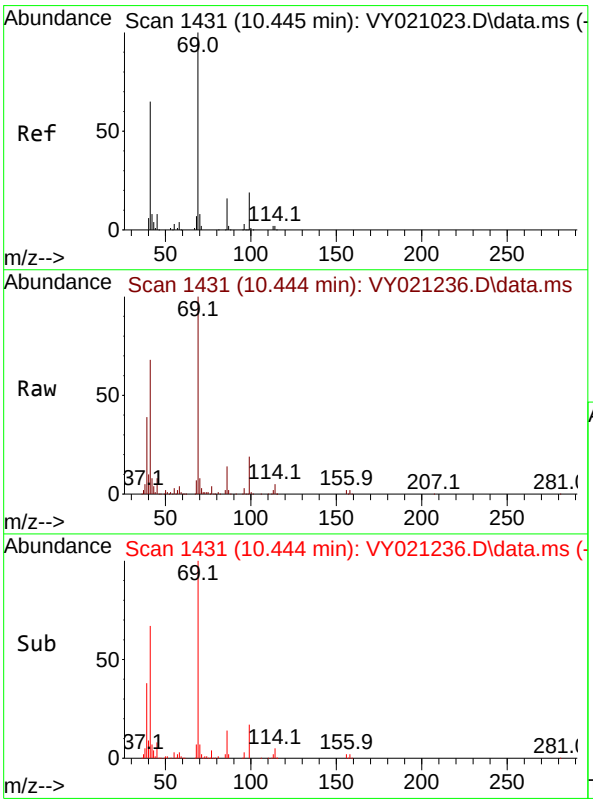
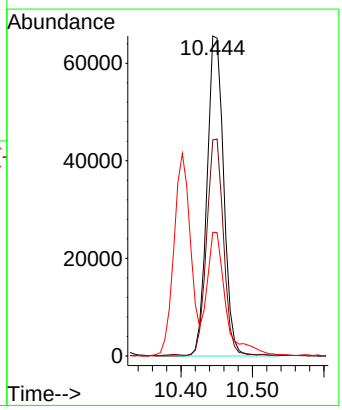
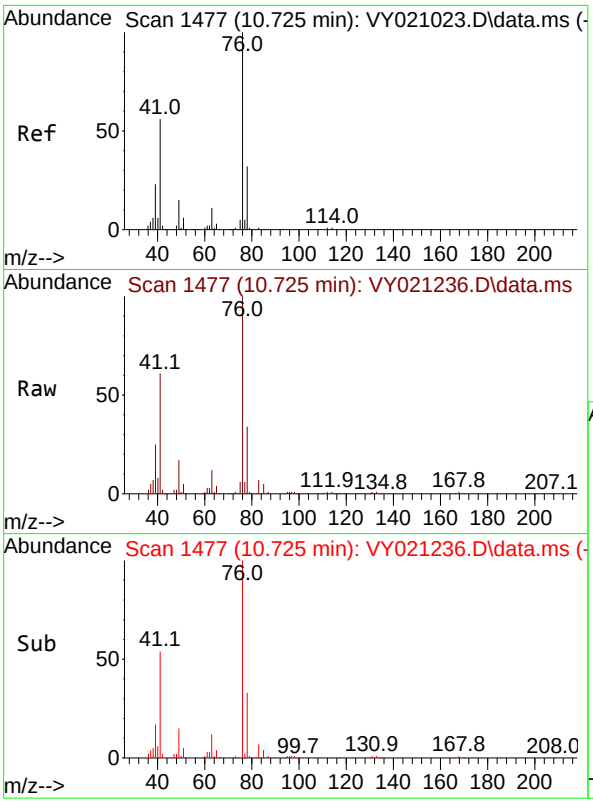


#56
Ethyl methacrylate
Concen: 53.867 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 69 Resp: 106288

Ion	Ratio	Lower	Upper
69	100		
41	68.0	49.2	73.8
39	42.9	26.8	40.2#





#57
1,3-Dichloropropane
Concen: 51.769 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 76 Resp: 13216

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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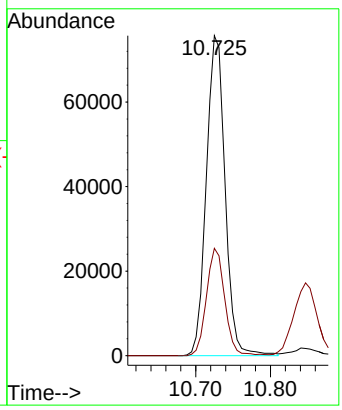
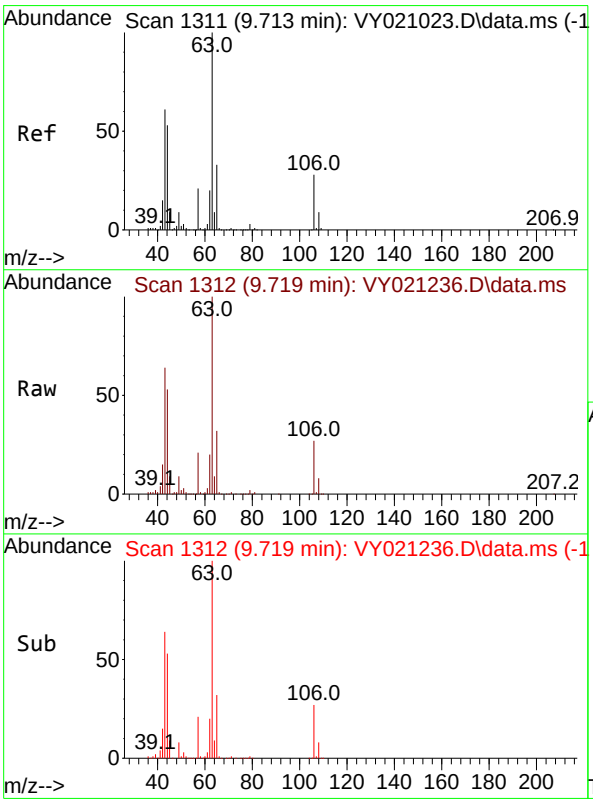
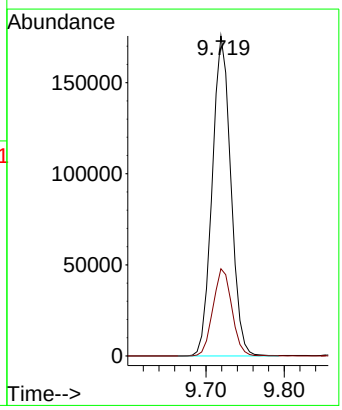


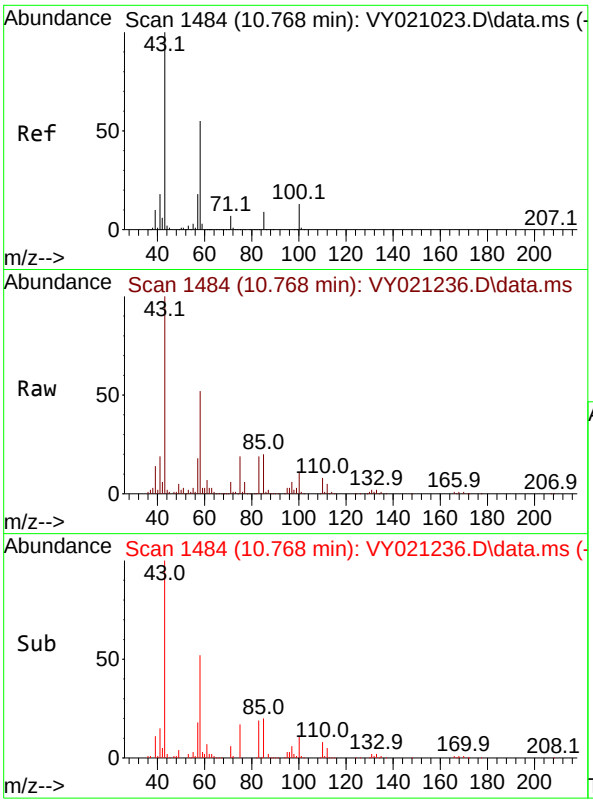


#58
2-Chloroethyl Vinyl ether
Concen: 309.543 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 290576

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.4	33.6





#59
2-Hexanone
Concen: 268.437 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 22375

Ion	Ratio	Lower	Upper
43	100		
58	53.2	28.1	84.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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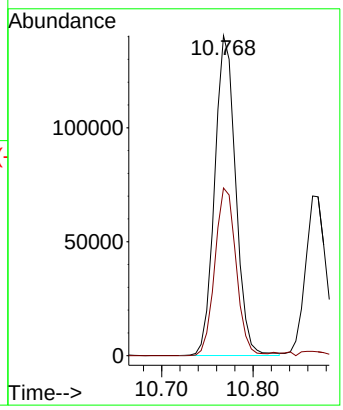
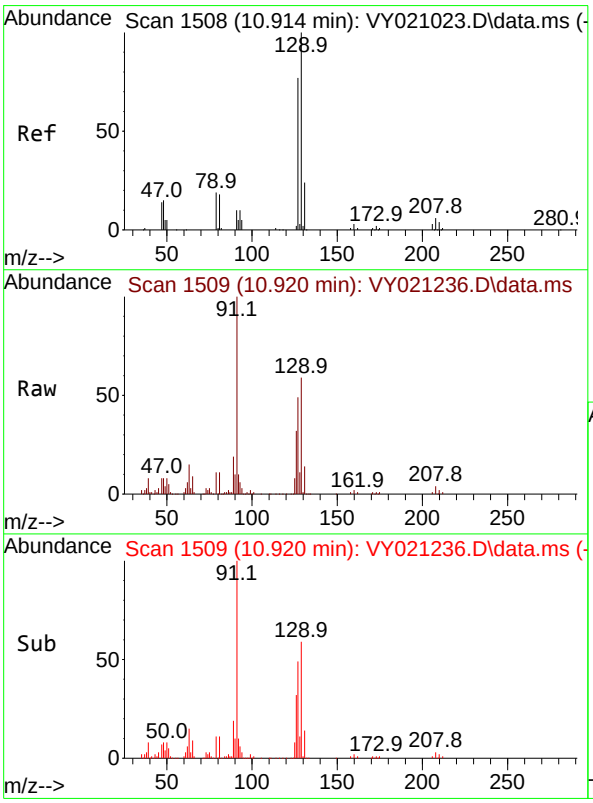
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

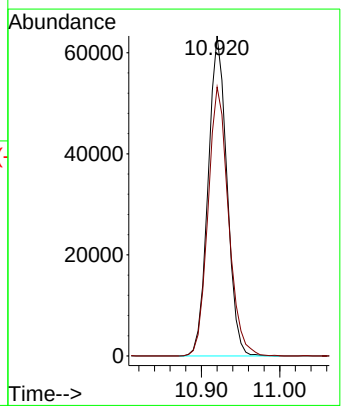


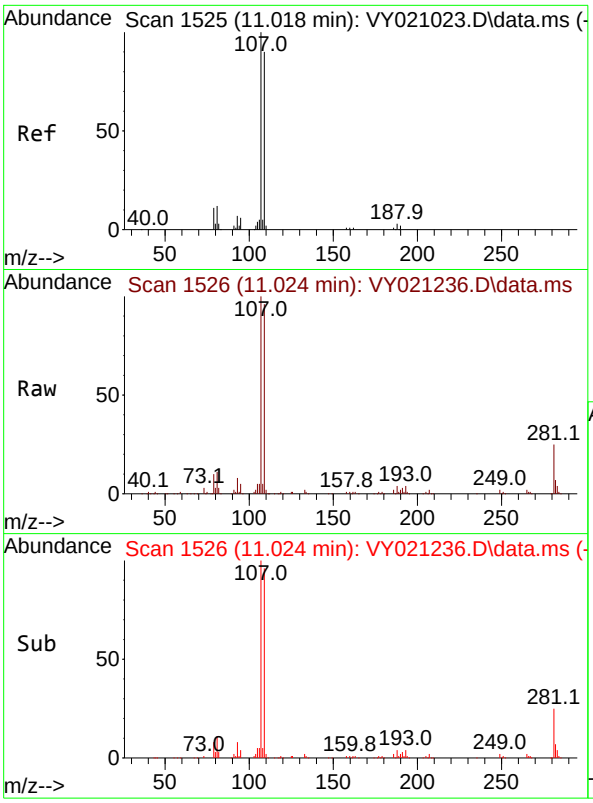


#60
Dibromochloromethane
Concen: 50.976 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:129 Resp: 105589

Ion	Ratio	Lower	Upper
129	100		
127	91.4	39.2	117.6

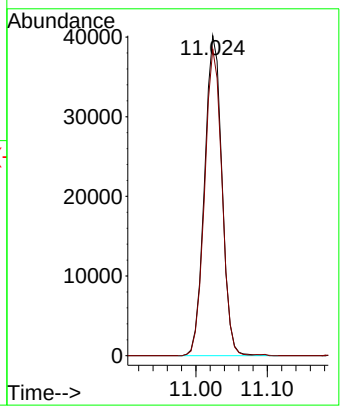




#61
1,2-Dibromoethane
Concen: 49.079 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:107 Resp: 6780

Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
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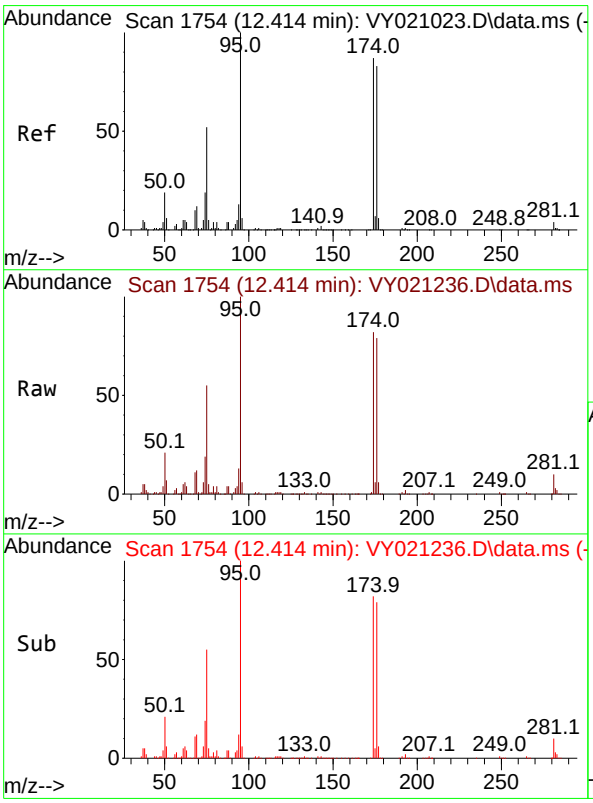
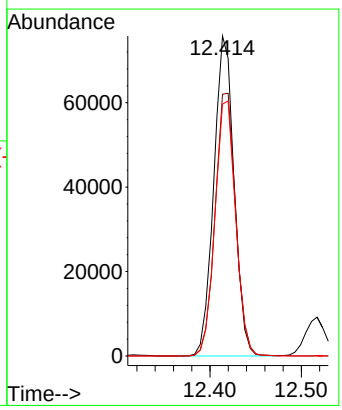
Supervised By :Mahesh Dadoda 02/20/2025

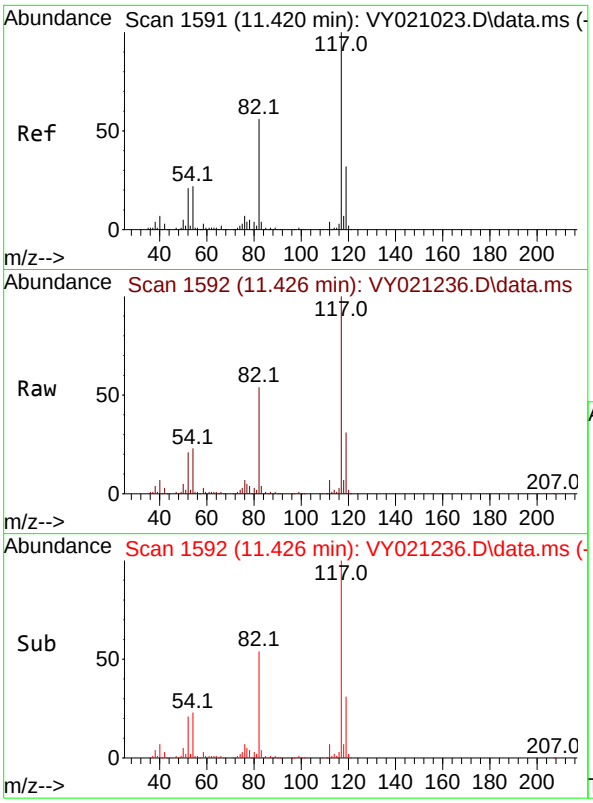


#62
4-Bromofluorobenzene
Concen: 47.196 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 95 Resp: 117047

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	160.0
176	81.2	0.0	151.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 26656

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	31.4	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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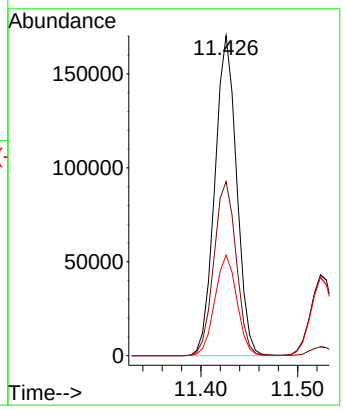
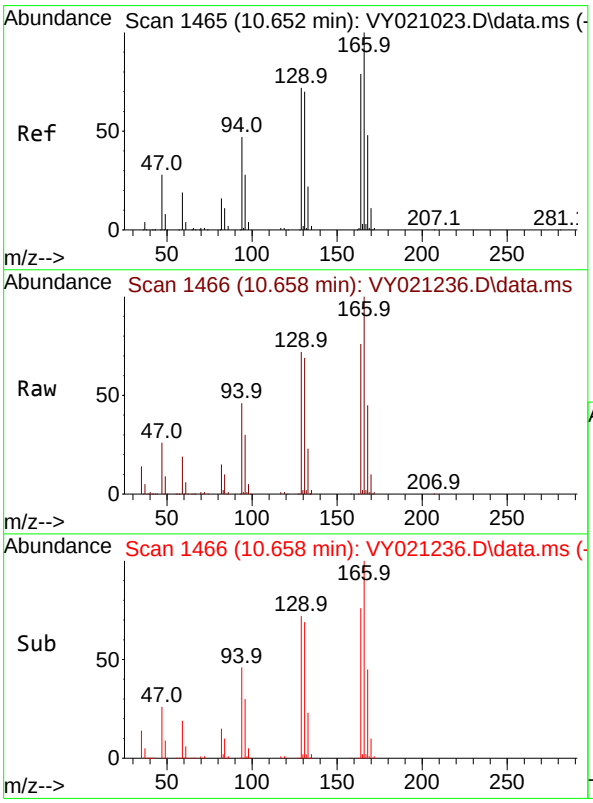
Supervised By :Mahesh Dadoda 02/20/2025

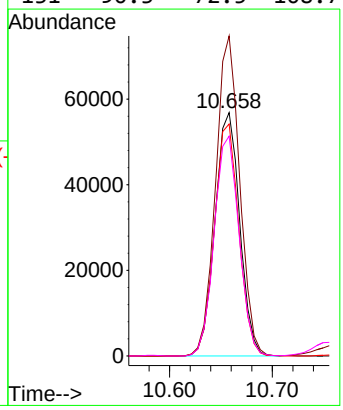


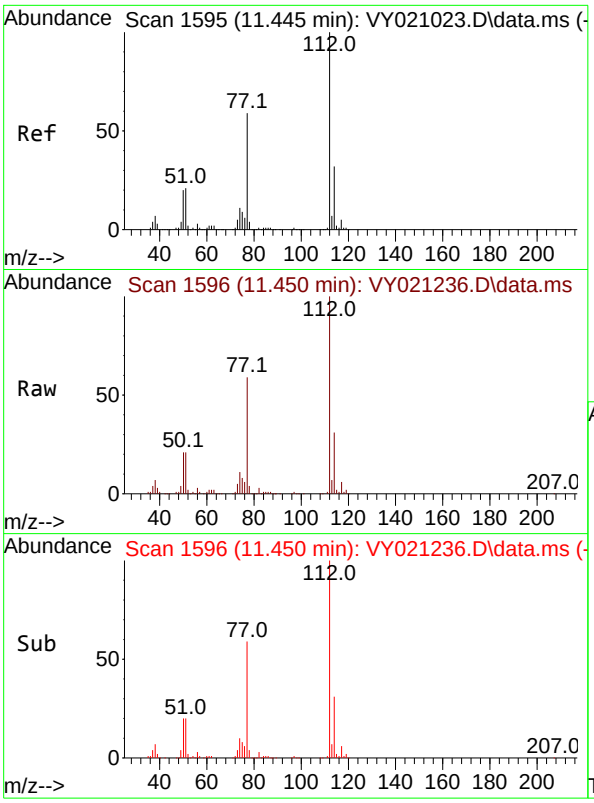


#64
Tetrachloroethene
Concen: 47.954 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:164 Resp: 94893

Ion	Ratio	Lower	Upper
164	100		
166	131.5	98.8	148.2
129	95.3	78.9	118.3
131	90.3	72.5	108.7

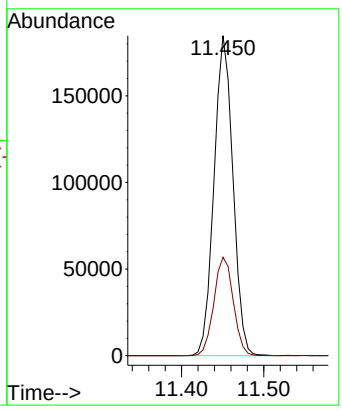




#65
Chlorobenzene
Concen: 49.788 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:112 Resp: 29551

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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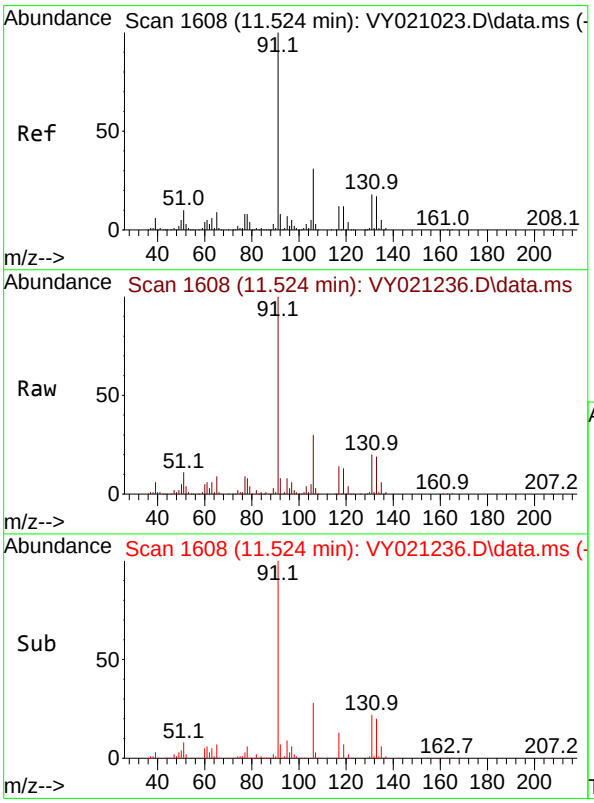
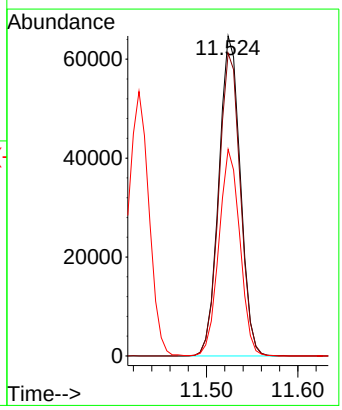
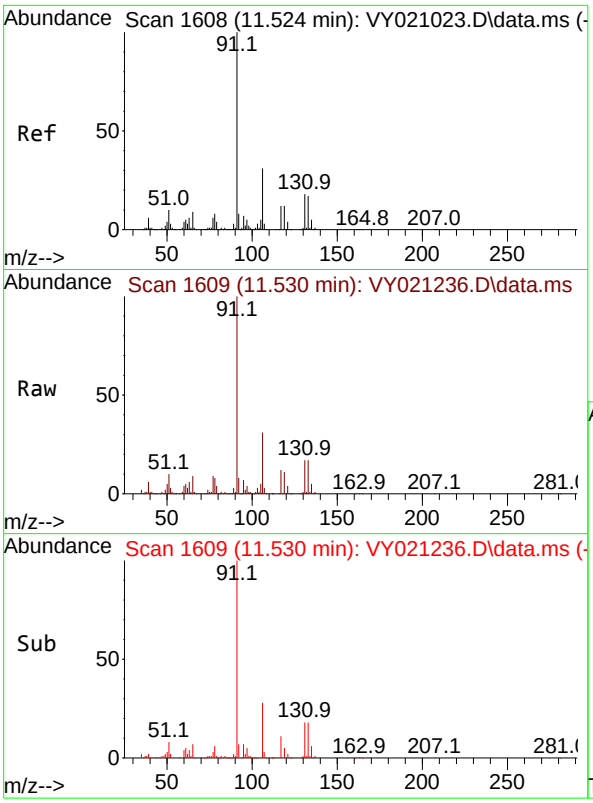


#66
1,1,1,2-Tetrachloroethane
Concen: 50.076 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:131 Resp: 105626

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.0	141.0
119	63.4	33.3	99.9





#67
Ethyl Benzene
Concen: 50.579 ug/l
RT: 11.530 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 53099

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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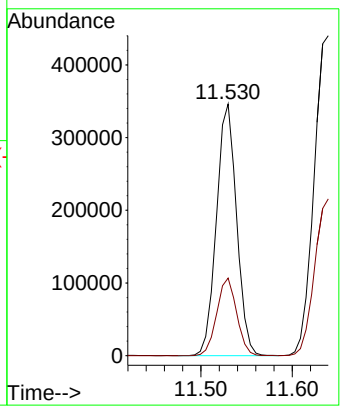
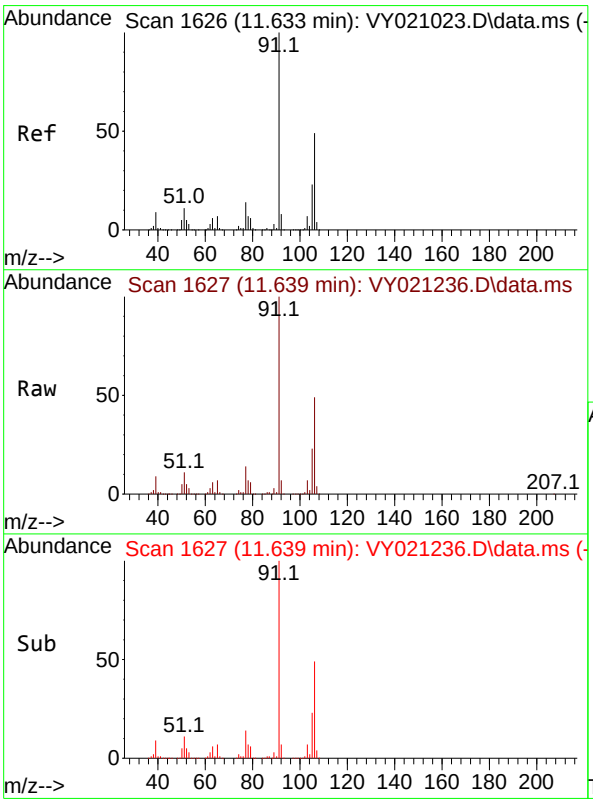
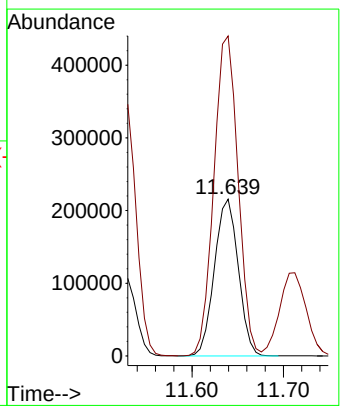


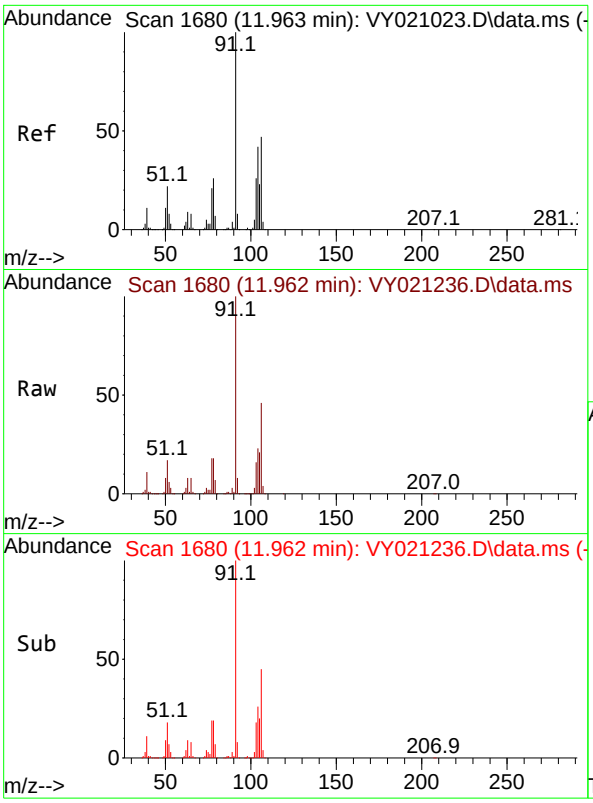


#68
m/p-Xylenes
Concen: 99.601 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:106 Resp: 391171

Ion	Ratio	Lower	Upper
106	100		
91	207.1	160.7	241.1





#69
o-Xylene
Concen: 51.555 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:106 Resp: 18877

Ion	Ratio	Lower	Upper
106	100		
91	216.1	106.5	319.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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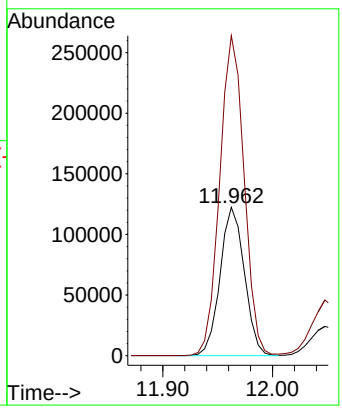
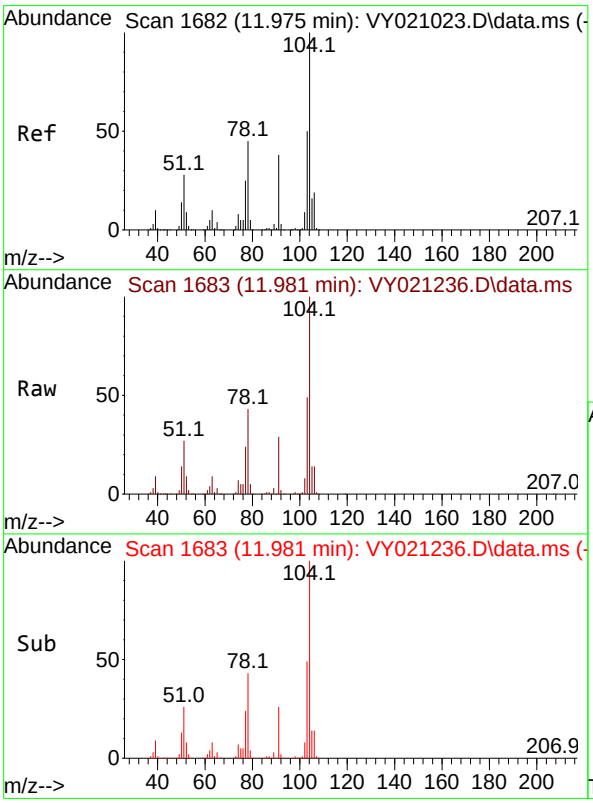
Supervised By :Mahesh Dadoda 02/20/2025

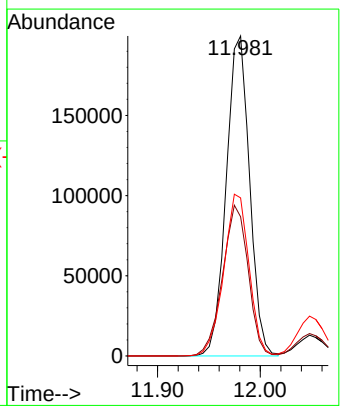


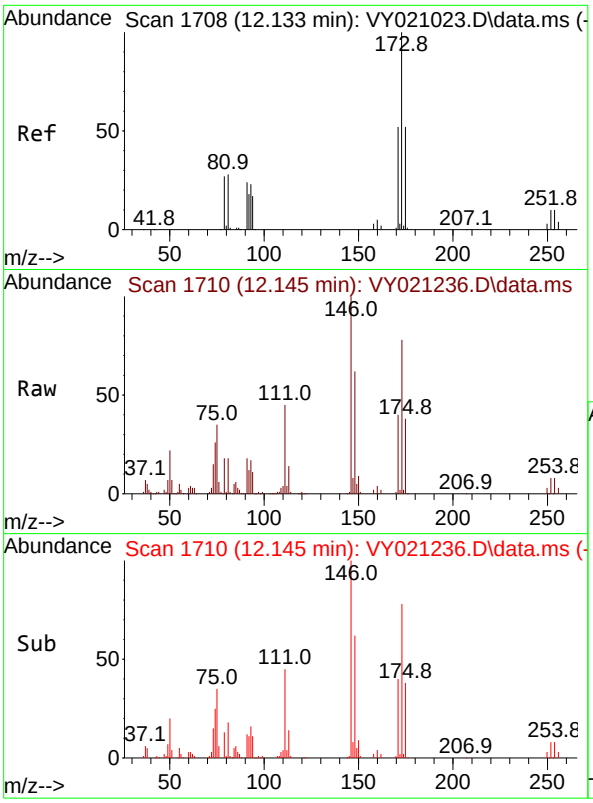


#70
Styrene
Concen: 51.620 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:104 Resp: 315025

Ion	Ratio	Lower	Upper
104	100		
78	51.7	39.2	58.8
103	54.8	43.8	65.6

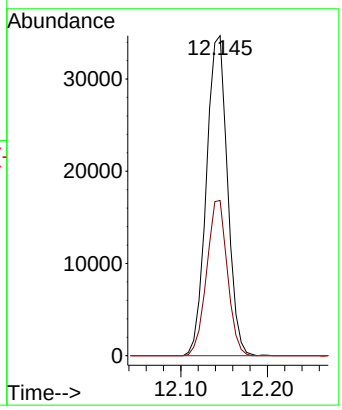




#71
Bromoform
Concen: 49.825 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:173 Resp: 5849

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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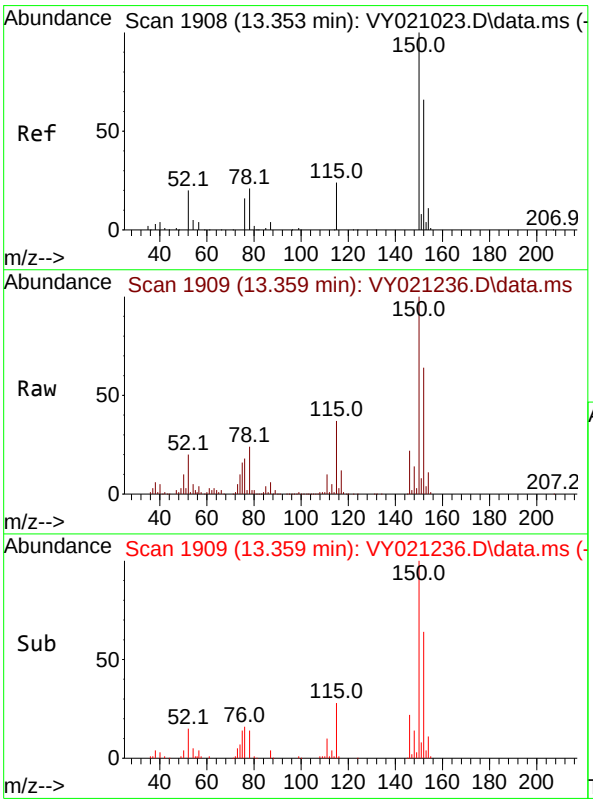
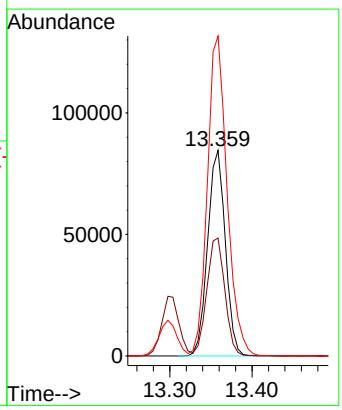
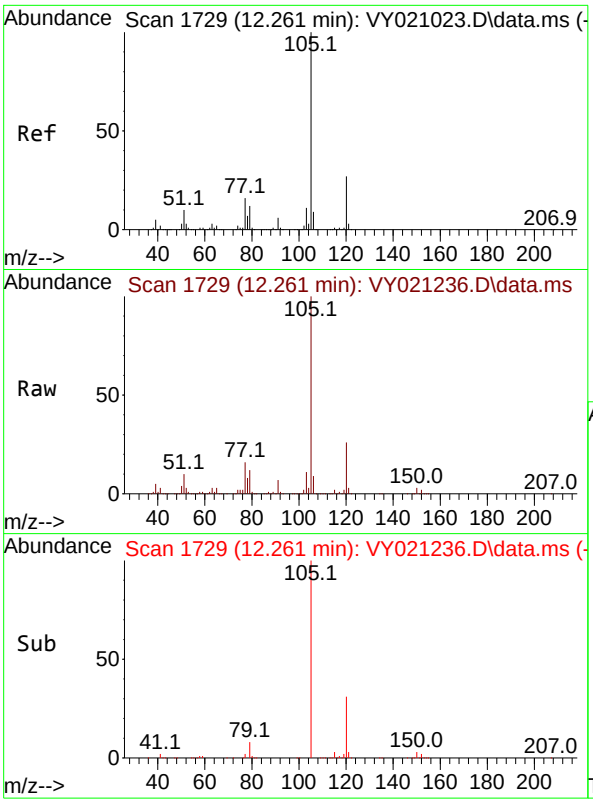


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:152 Resp: 126814

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.0	90.0
150	172.9	0.0	344.6





#73
Isopropylbenzene
Concen: 53.006 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 52507

Ion	Ratio	Lower	Upper
105	100		
120	33.6	13.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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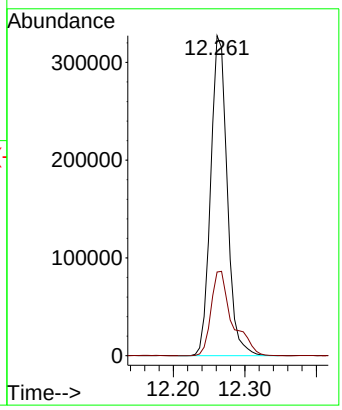
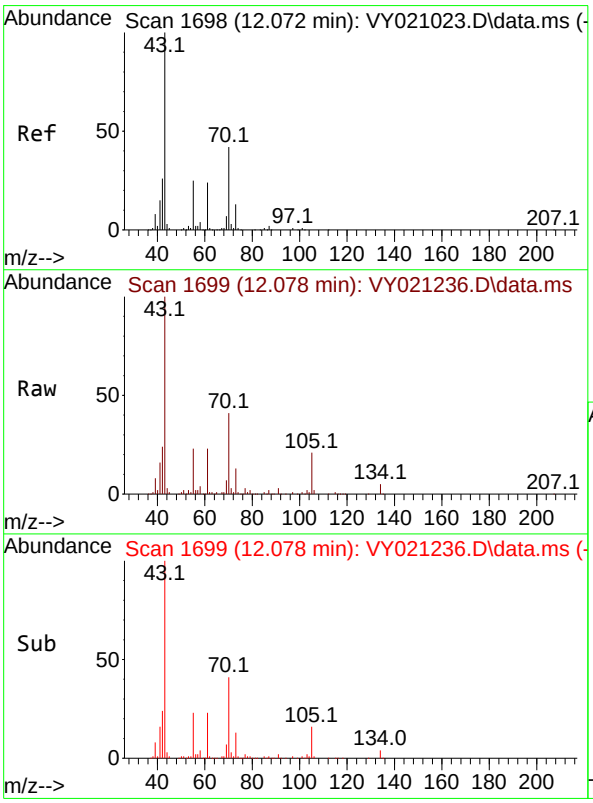
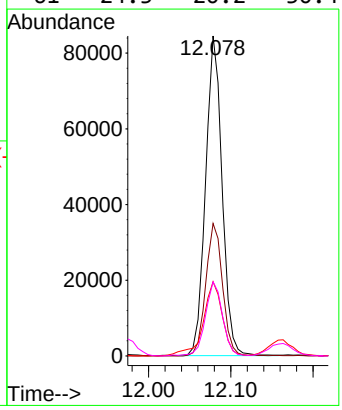


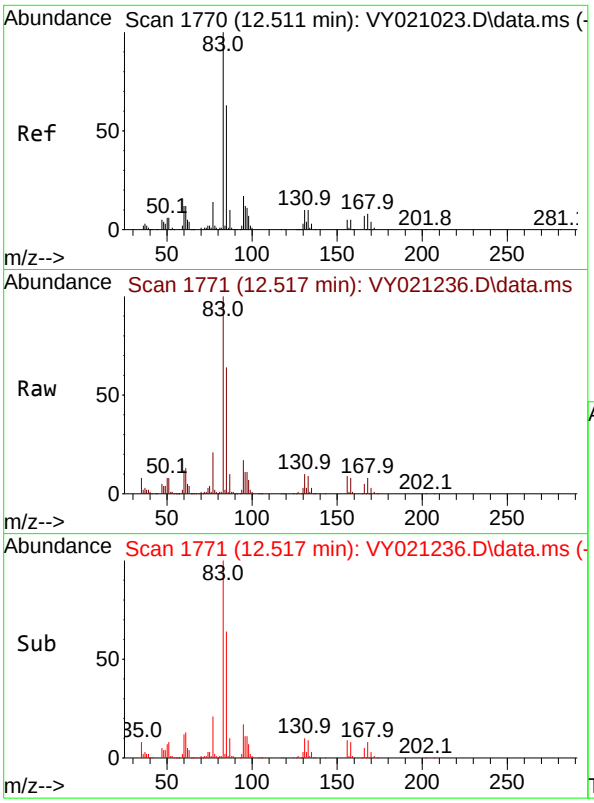


#74
N-amyl acetate
Concen: 54.480 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 117988

Ion	Ratio	Lower	Upper
43	100		
70	42.2	36.6	55.0
55	27.0	22.2	33.4
61	24.3	20.2	30.4

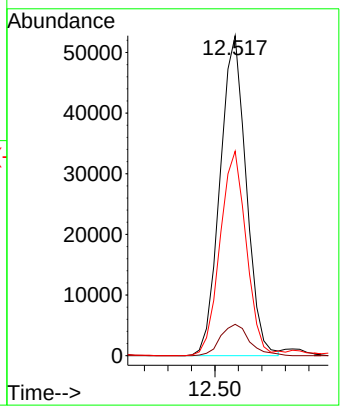




#75
1,1,2,2-Tetrachloroethane
Concen: 49.512 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 8157

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.6
85	64.4	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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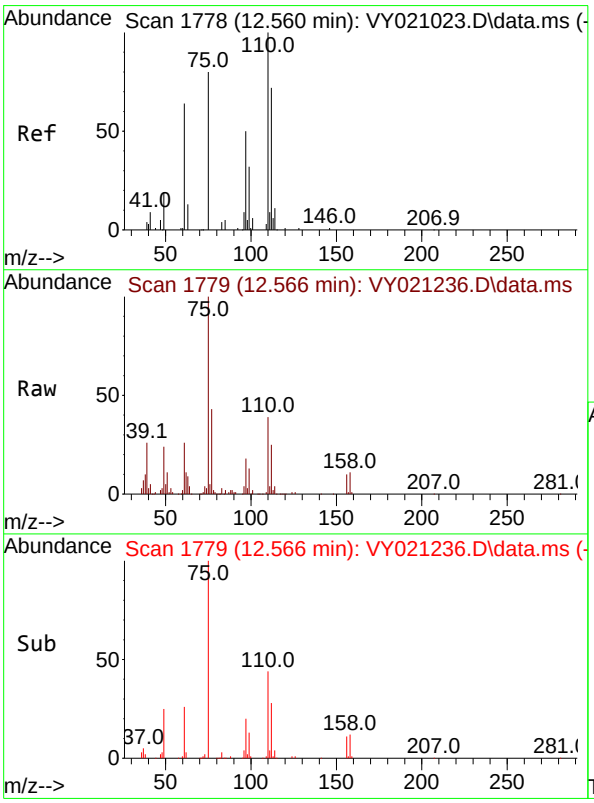
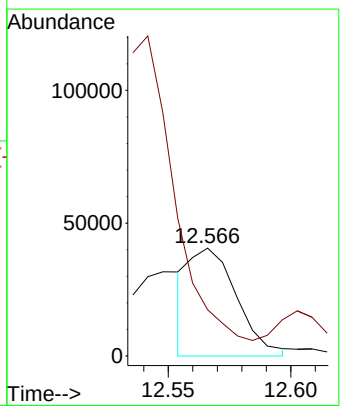
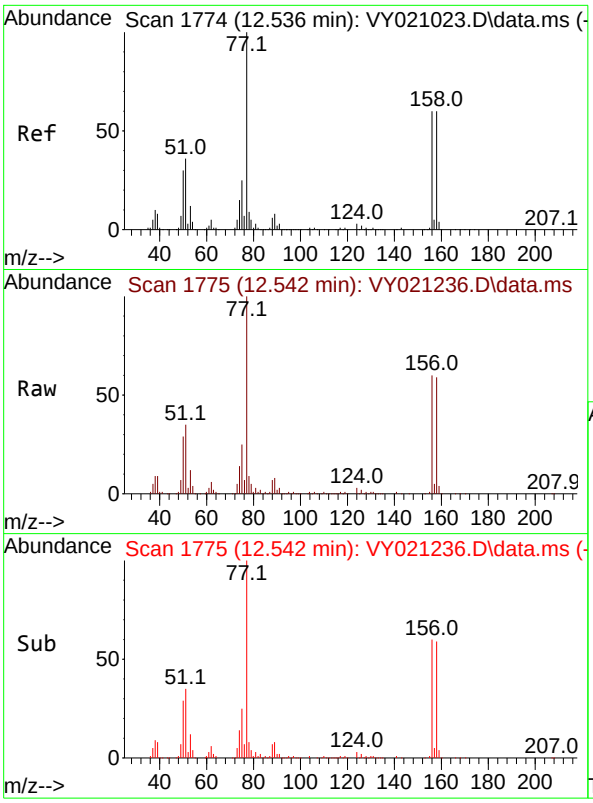


#76
1,2,3-Trichloropropane
Concen: 47.921 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 55126

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

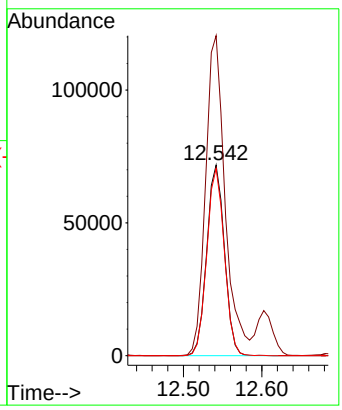




#77
Bromobenzene
Concen: 49.154 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:156 Resp: 11236

Ion	Ratio	Lower	Upper
156	100		
77	185.8	97.3	291.8
158	97.5	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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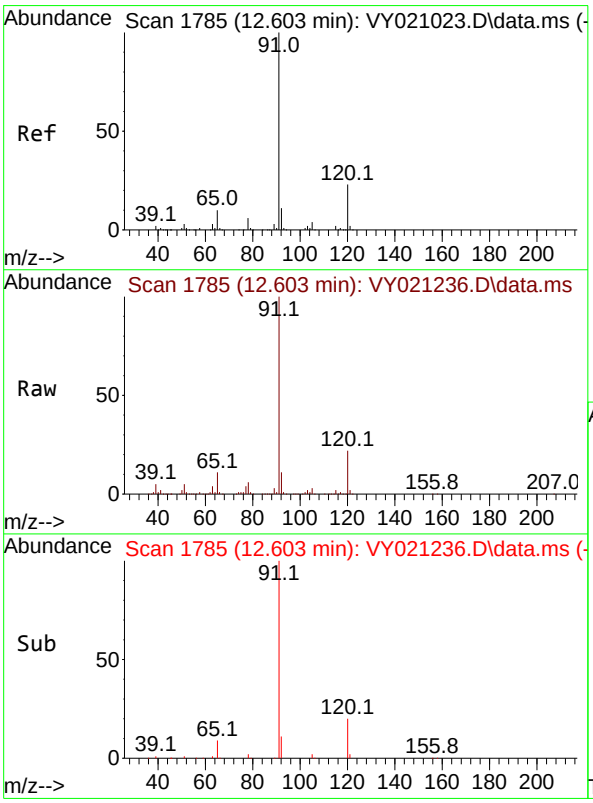
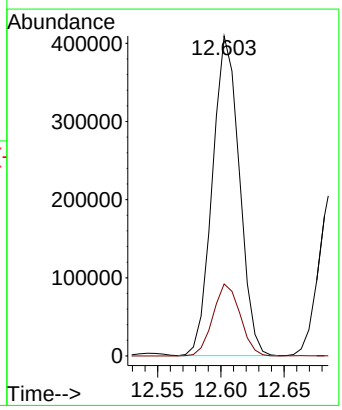
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

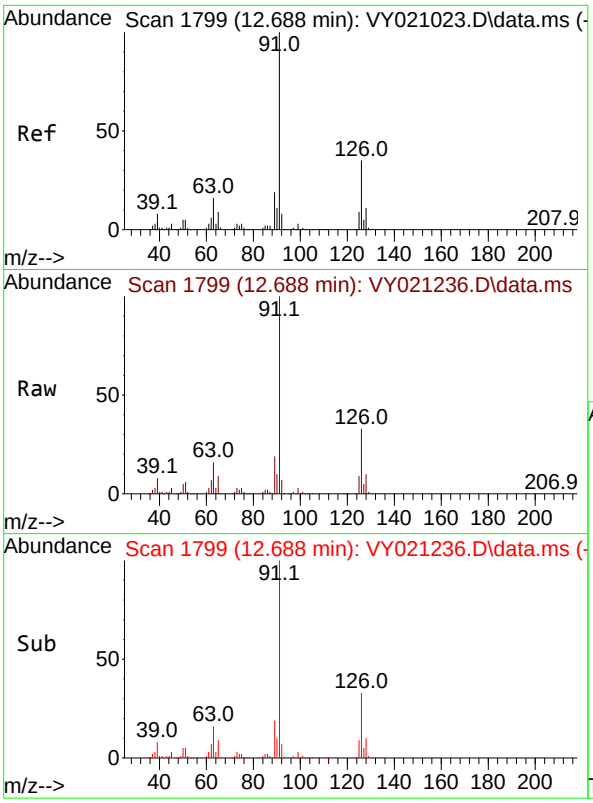


#78
n-propylbenzene
Concen: 51.330 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 605704

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.0	33.0

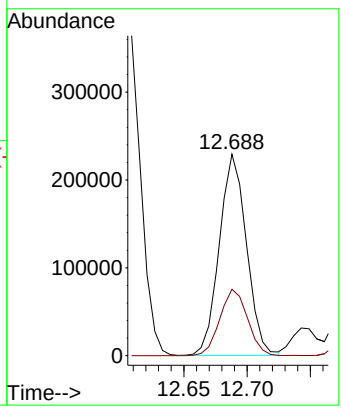




#79
2-Chlorotoluene
Concen: 50.565 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 34174

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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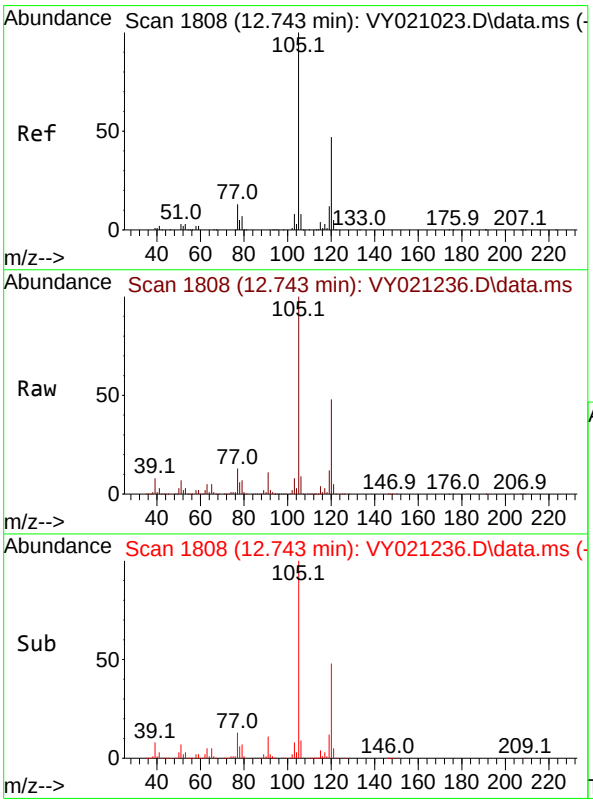
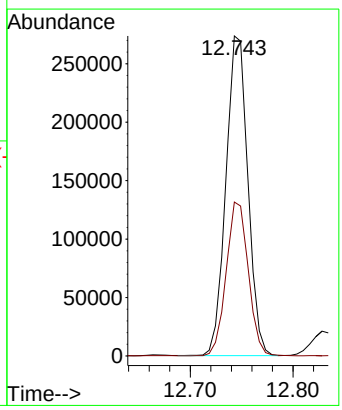
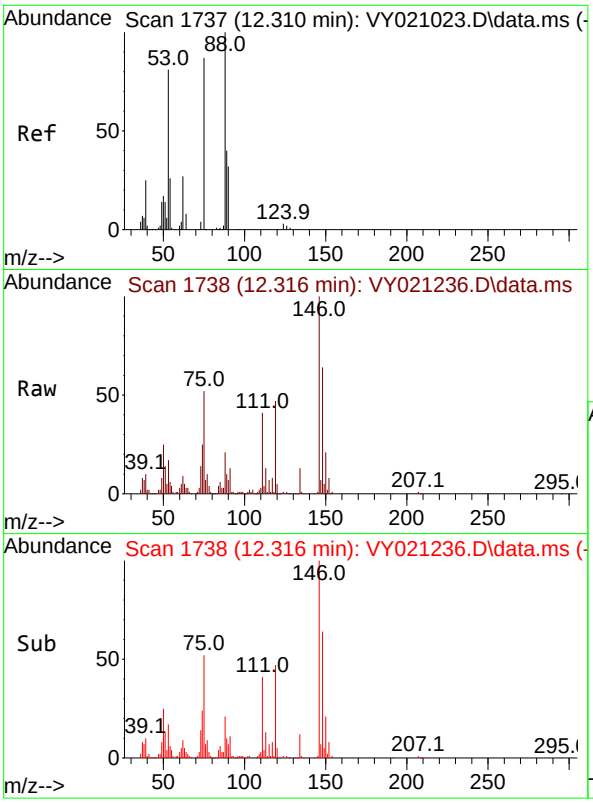


#80
1,3,5-Trimethylbenzene
Concen: 50.629 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 406625

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 212.252 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 11966

Ion	Ratio	Lower	Upper
75	100		
53	29.2	74.0	111.0#
89	30.4	36.5	54.7#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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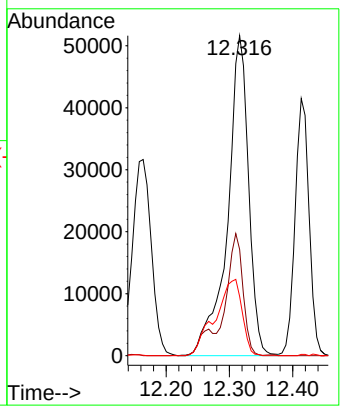
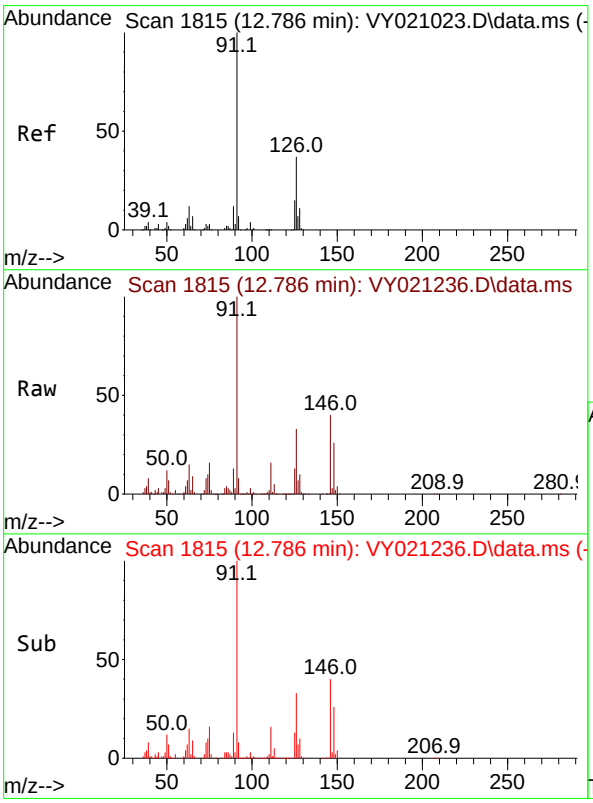
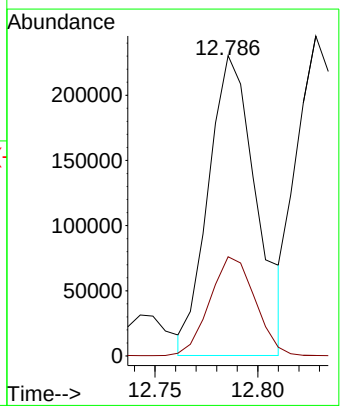


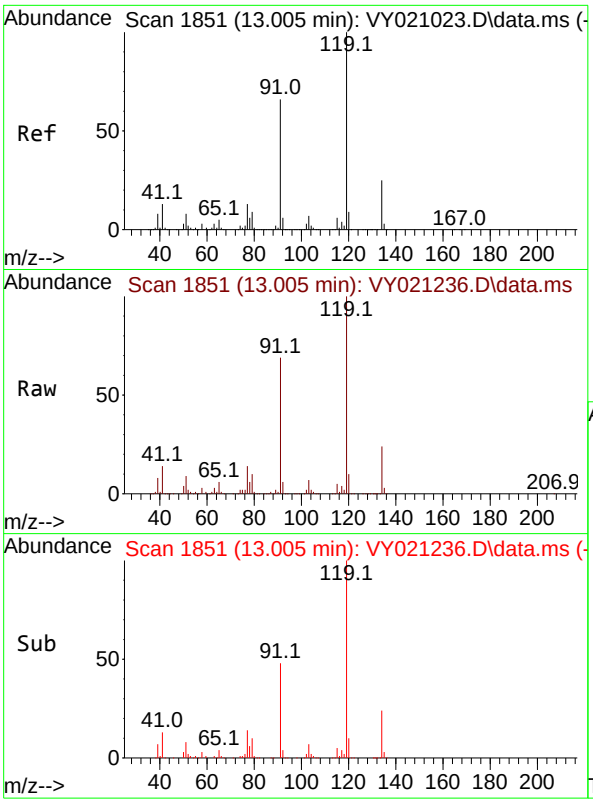


#82
4-Chlorotoluene
Concen: 54.307 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 373956

Ion	Ratio	Lower	Upper
91	100		
126	31.5	17.1	51.2





#83
tert-Butylbenzene
Concen: 50.825 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:119 Resp: 37103

Ion	Ratio	Lower	Upper
119	100		
91	67.5	31.5	94.5
134	27.0	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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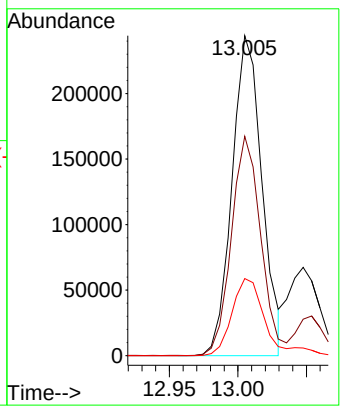
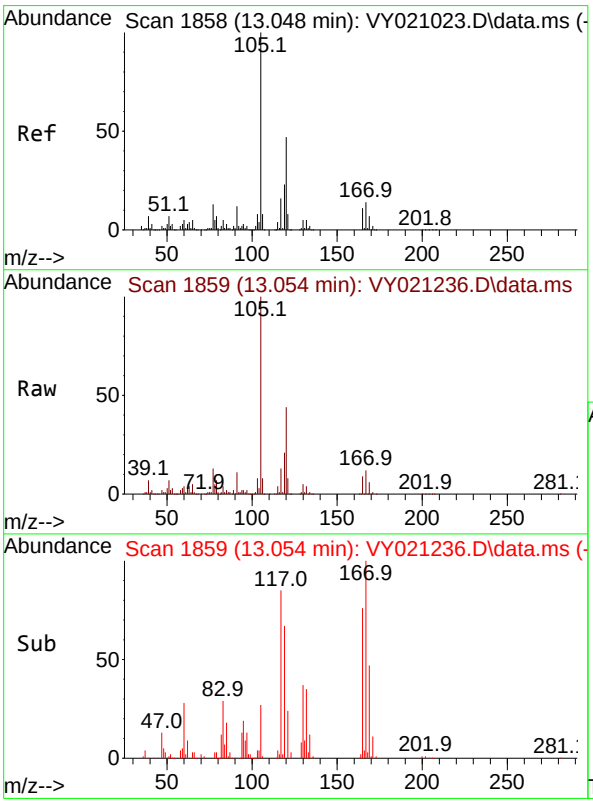
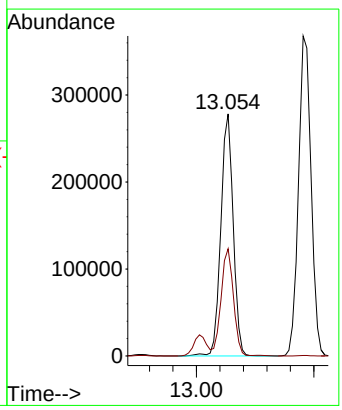


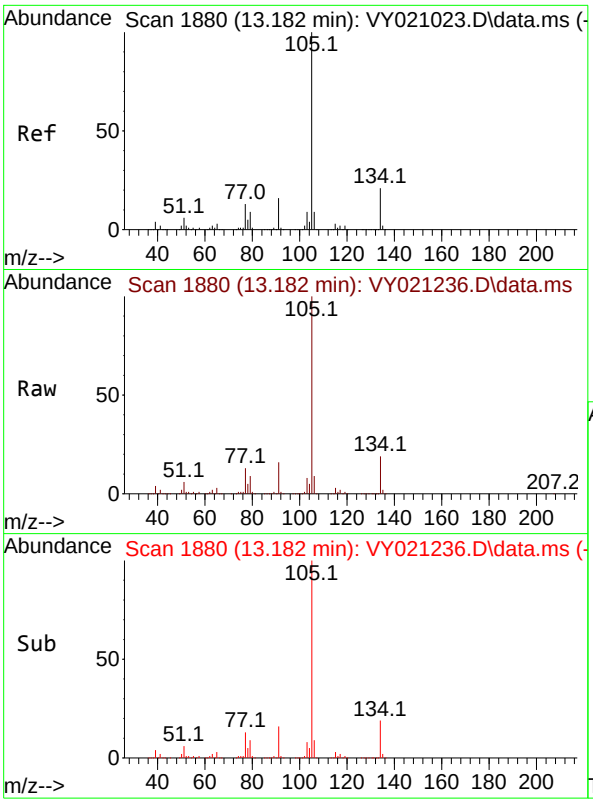


#84
1,2,4-Trimethylbenzene
Concen: 51.664 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 405711

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3

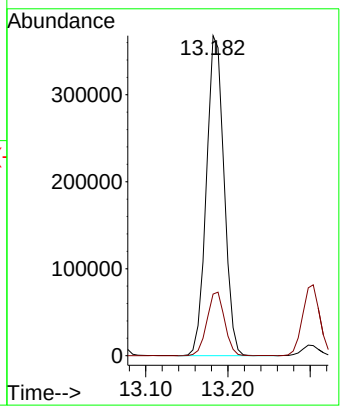




#85
sec-Butylbenzene
Concen: 52.143 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 54794

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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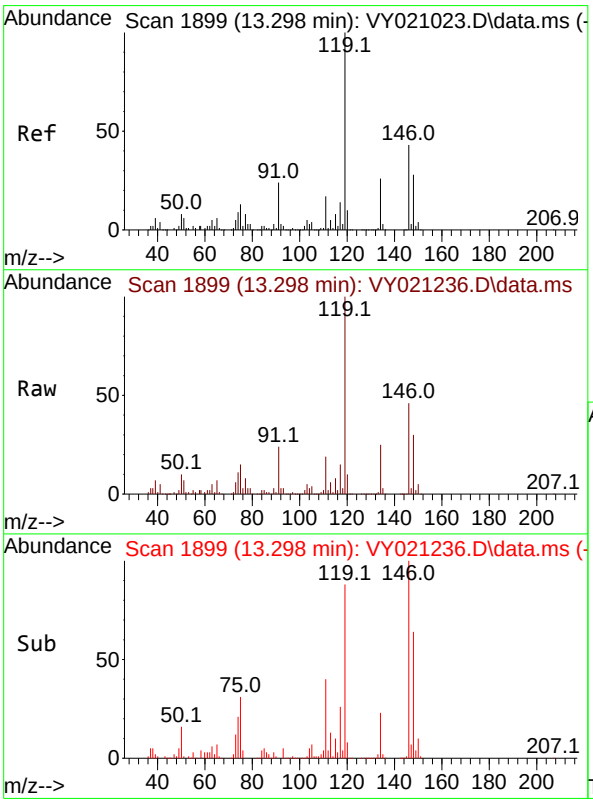
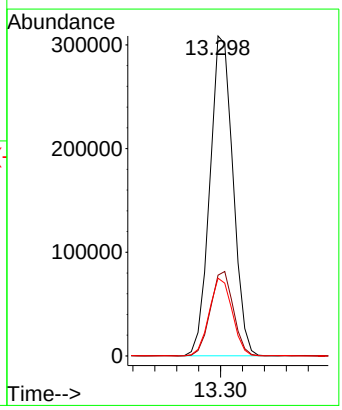
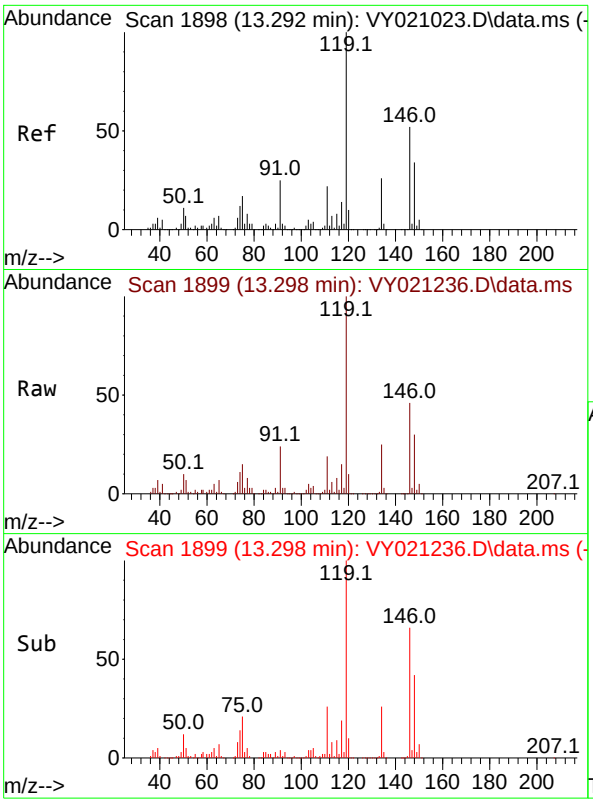


#86
p-Isopropyltoluene
Concen: 51.734 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:119 Resp: 451592

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.1	11.7	35.0

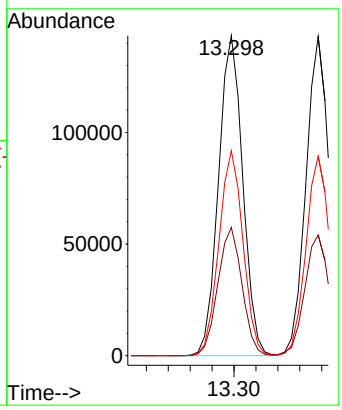




#87
1,3-Dichlorobenzene
Concen: 49.887 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 22019

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	63.7	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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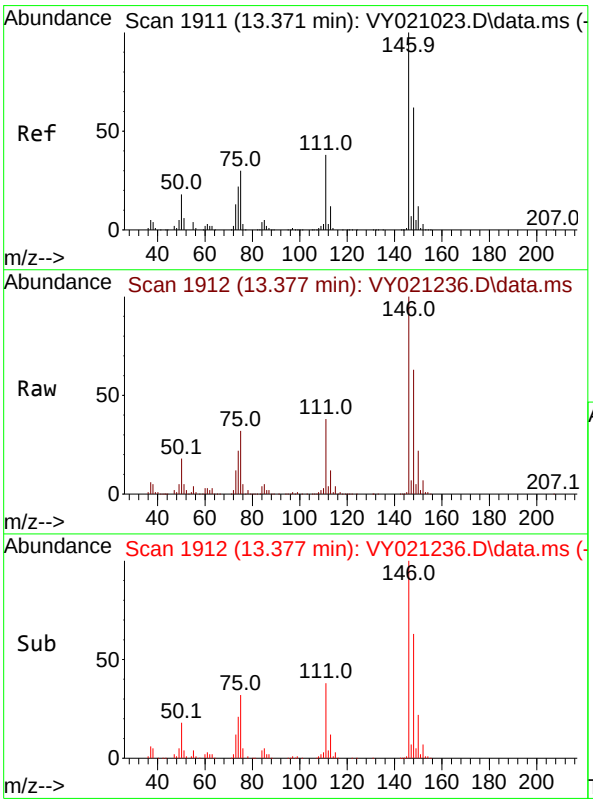
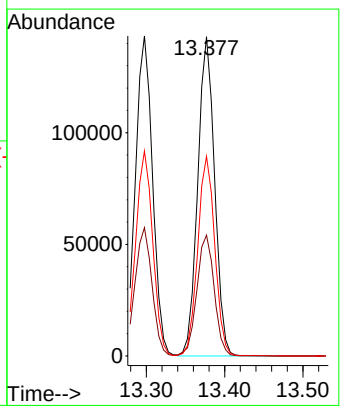
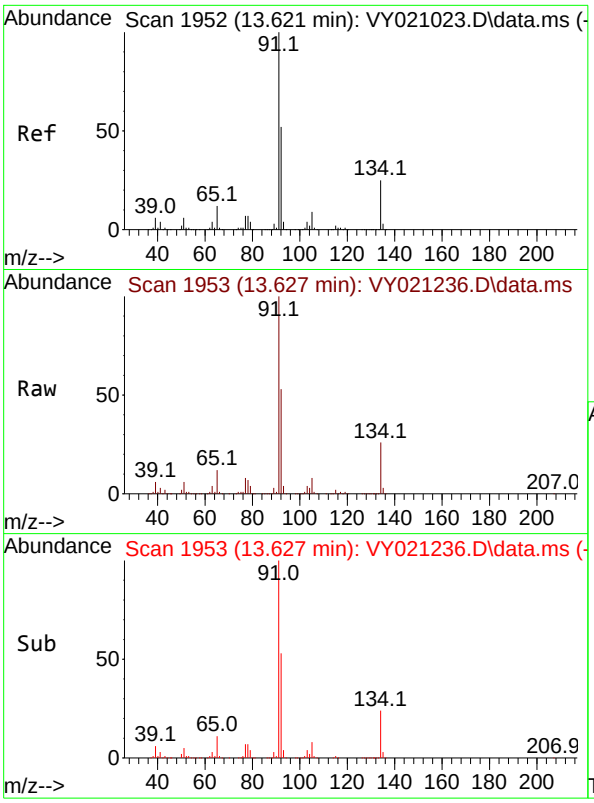


#88
1,4-Dichlorobenzene
Concen: 49.263 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 214096

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	63.3	31.6	94.7

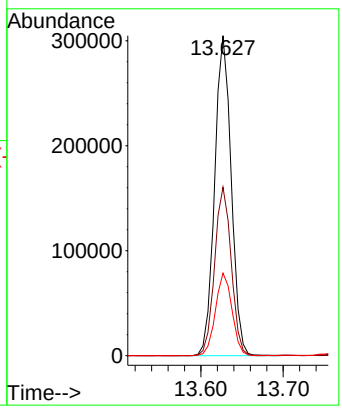




#89
n-Butylbenzene
Concen: 53.602 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 42685

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.7	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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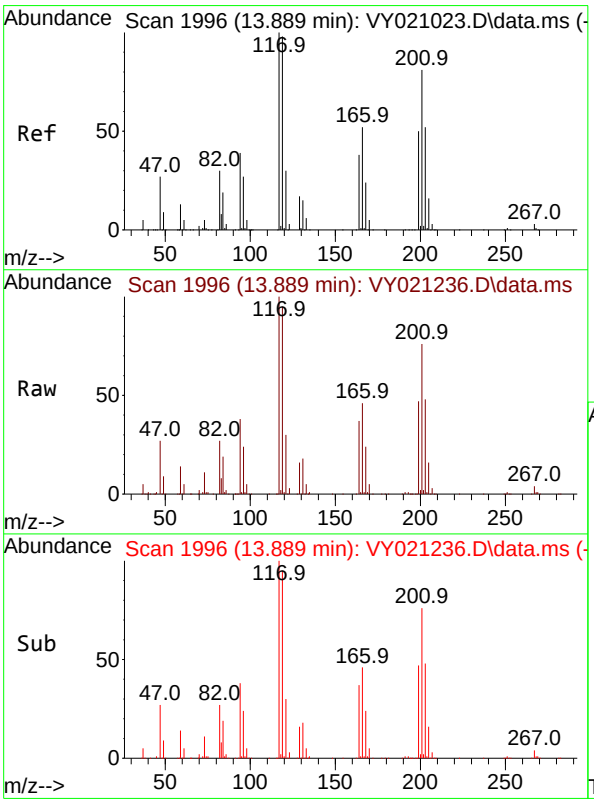
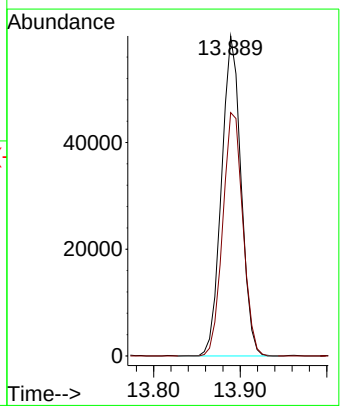
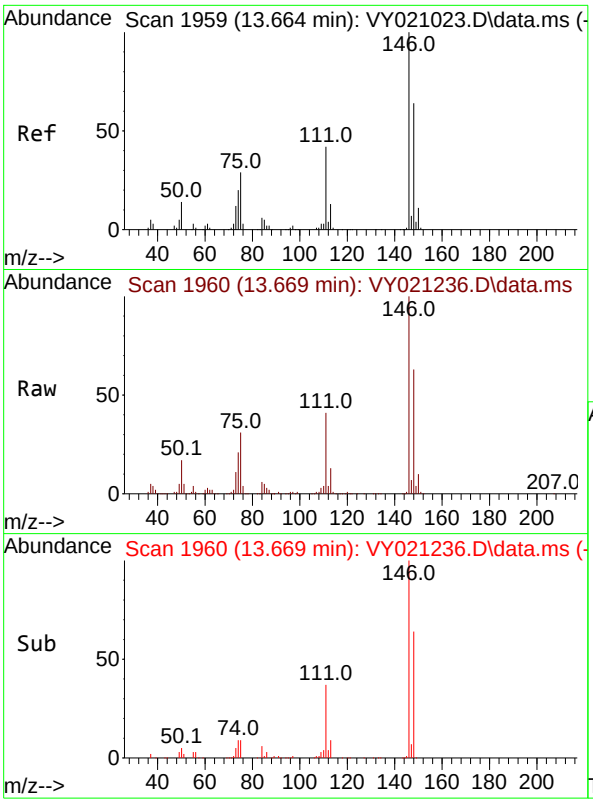


#90
Hexachloroethane
Concen: 51.535 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 93847

Ion	Ratio	Lower	Upper
117	100		
201	78.2	33.4	100.1

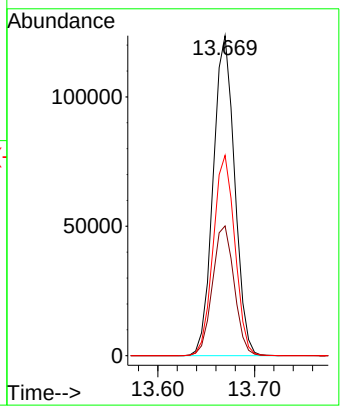




#91
1,2-Dichlorobenzene
Concen: 49.731 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 19052

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	63.2	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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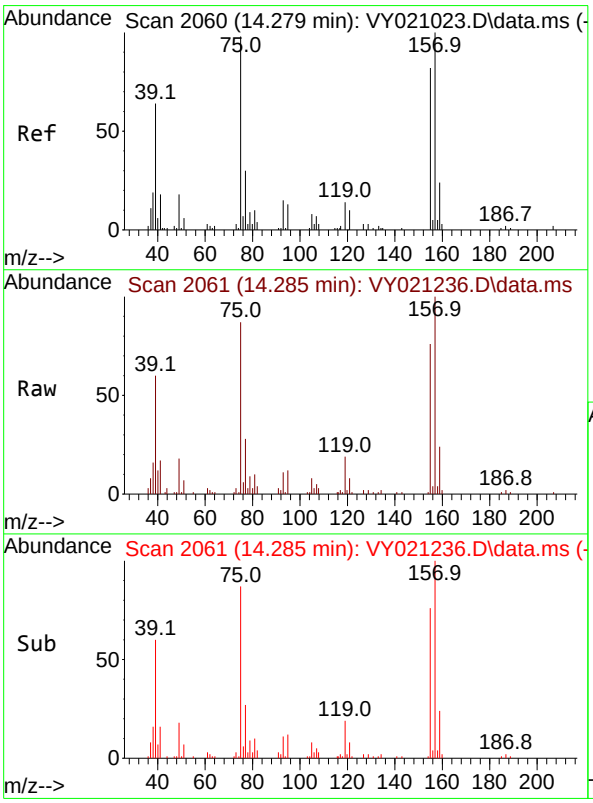
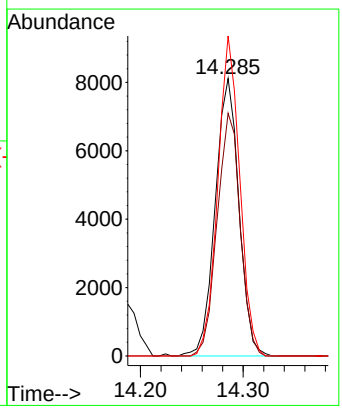
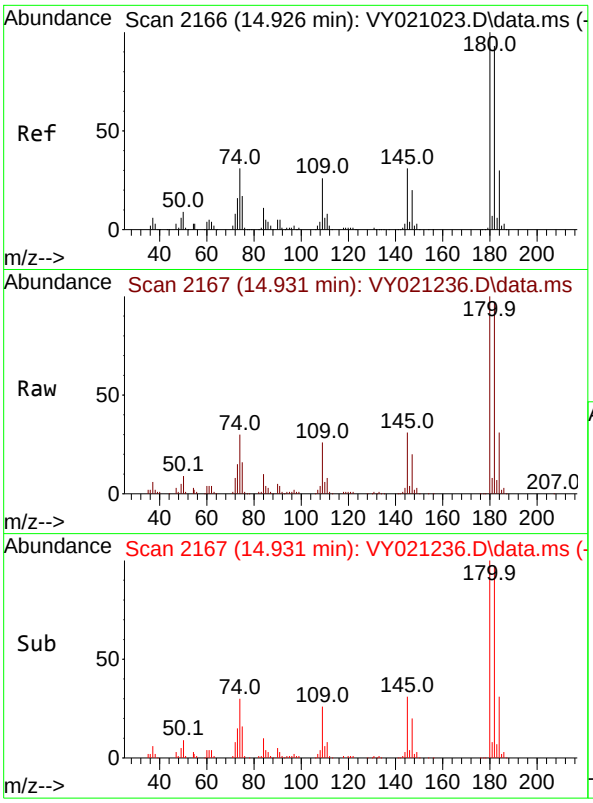


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.711 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 12977

Ion	Ratio	Lower	Upper
75	100		
155	84.9	42.1	126.3
157	106.7	55.8	167.4

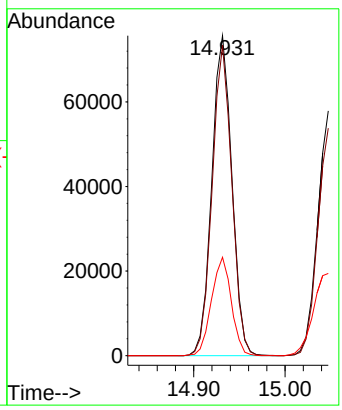




#93
1,2,4-Trichlorobenzene
Concen: 54.103 ug/l
RT: 14.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:180 Resp: 11537

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	30.4	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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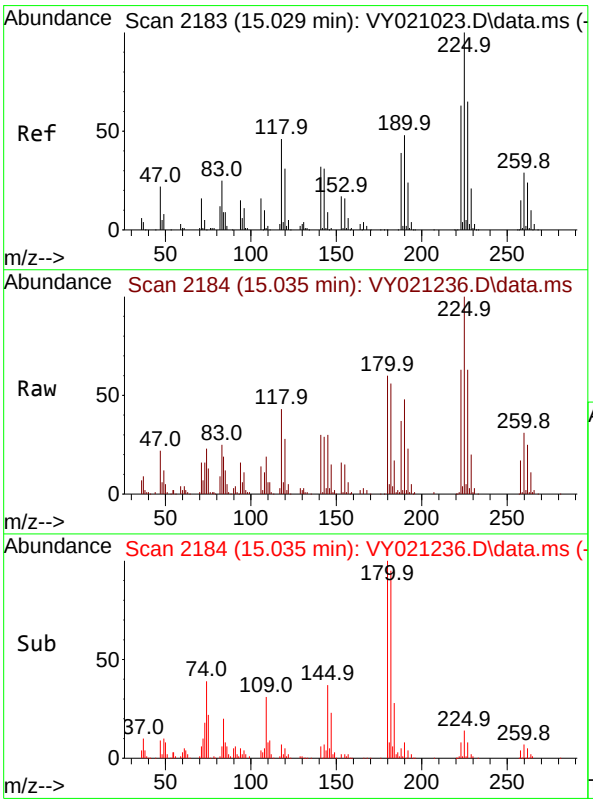
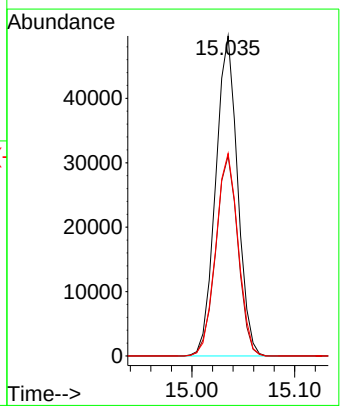
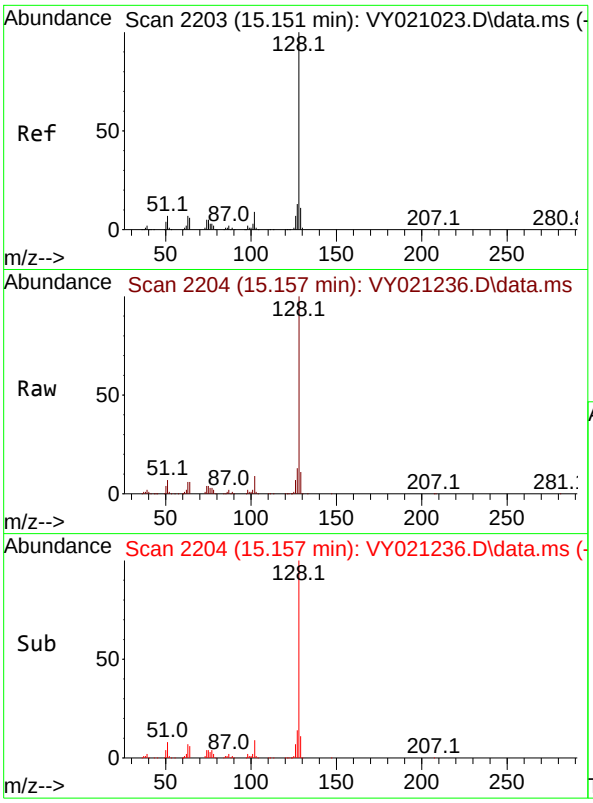


#94
Hexachlorobutadiene
Concen: 51.945 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:225 Resp: 73405

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.3
227	64.6	32.3	96.8

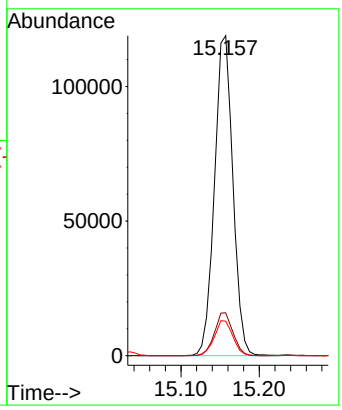




#95
Naphthalene
Concen: 56.964 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:128 Resp: 19434

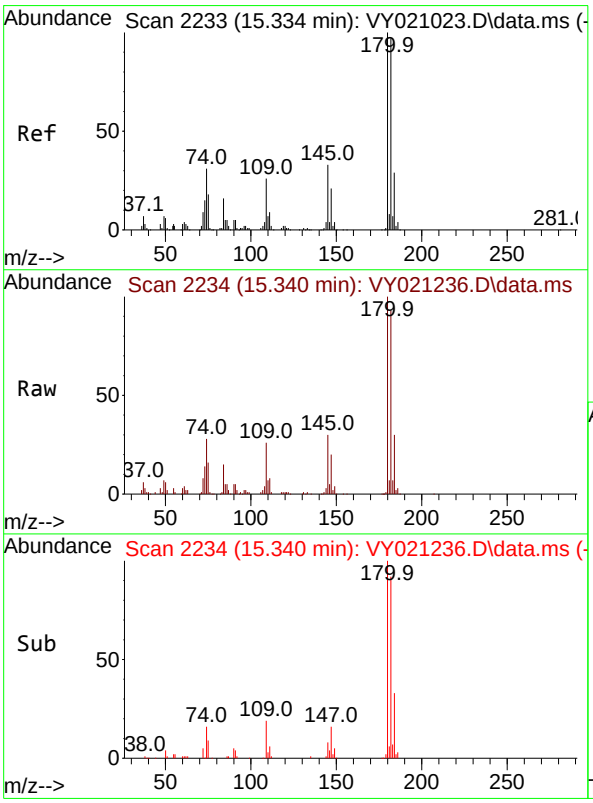
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.0	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

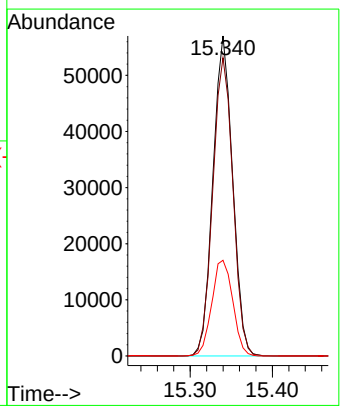
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.438 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:180 Resp: 94833

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.3	138.8
145	31.9	16.1	48.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	108	0.00
2	T	Dichlorodifluoromethane	0.446	0.387	13.2	94	0.00
3	P	Chloromethane	0.440	0.431	2.0	111	0.00
4	C	Vinyl Chloride	0.443	0.466	-5.2#	119	0.00
5	T	Bromomethane	0.274	0.268	2.2	113	0.00
6	T	Chloroethane	0.263	0.286	-8.7	122	0.00
7	T	Trichlorofluoromethane	0.806	0.806	0.0	111	0.00
8	T	Diethyl Ether	0.252	0.260	-3.2	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.506	0.489	3.4	107	0.00
10	T	Methyl Iodide	0.562	0.551	2.0	102	0.00
11	T	Tert butyl alcohol	0.035	0.031	11.4	107	0.03
12	CM	1,1-Dichloroethene	0.477	0.455	4.6#	105	0.00
13	T	Acrolein	0.053	0.039	26.4#	80	0.00
14	T	Allyl chloride	0.803	0.818	-1.9	111	0.00
15	T	Acrylonitrile	0.105	0.107	-1.9	109	0.02
16	T	Acetone	0.080	0.083	-3.8	116	0.01
17	T	Carbon Disulfide	1.495	1.273	14.8	93	0.00
18	T	Methyl Acetate	0.280	0.304	-8.6	114	0.00
19	T	Methyl tert-butyl Ether	1.205	1.247	-3.5	111	0.02
20	T	Methylene Chloride	0.497	0.494	0.6	110	0.00
21	T	trans-1,2-Dichloroethene	0.525	0.503	4.2	104	0.00
22	T	Diisopropyl ether	1.656	1.741	-5.1	113	0.00
23	T	Vinyl Acetate	0.923	0.957	-3.7	109	0.00
24	P	1,1-Dichloroethane	0.970	0.977	-0.7	112	0.00
25	T	2-Butanone	0.131	0.135	-3.1	108	0.00
26	T	2,2-Dichloropropane	0.898	0.891	0.8	111	0.01
27	T	cis-1,2-Dichloroethene	0.604	0.603	0.2	109	0.00
28	T	Bromochloromethane	0.384	0.391	-1.8	103	0.00
29	T	Tetrahydrofuran	0.089	0.090	-1.1	106	0.02
30	C	Chloroform	0.997	1.001	-0.4#	110	0.00
31	T	Cyclohexane	0.874	0.813	7.0	107	0.00
32	T	1,1,1-Trichloroethane	0.927	0.926	0.1	110	0.00
33	S	1,2-Dichloroethane-d4	0.512	0.470	8.2	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.320	0.299	6.6	104	0.00
36	T	1,1-Dichloropropene	0.475	0.457	3.8	107	0.00
37	T	Ethyl Acetate	0.208	0.212	-1.9	110	0.01
38	T	Carbon Tetrachloride	0.555	0.538	3.1	107	0.00
39	T	Methylcyclohexane	0.581	0.580	0.2	107	0.00
40	TM	Benzene	1.393	1.364	2.1	108	0.00
41	T	Methacrylonitrile	0.120	0.123	-2.5	120	0.01
42	TM	1,2-Dichloroethane	0.386	0.384	0.5	110	0.00
43	T	Isopropyl Acetate	0.414	0.434	-4.8	112	0.00
44	TM	Trichloroethene	0.360	0.351	2.5	109	0.00
45	C	1,2-Dichloropropane	0.331	0.339	-2.4#	113	0.00
46	T	Dibromomethane	0.183	0.180	1.6	108	0.00
47	T	Bromodichloromethane	0.491	0.497	-1.2	112	0.00
48	T	Methyl methacrylate	0.188	0.205	-9.0	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	110	0.02
50	S	Toluene-d8	1.220	1.094	10.3	99	0.00
51	T	4-Methyl-2-Pentanone	0.208	0.218	-4.8	110	0.00
52	CM	Toluene	0.875	0.869	0.7#	108	0.00
53	T	t-1,3-Dichloropropene	0.441	0.461	-4.5	112	0.00
54	T	cis-1,3-Dichloropropene	0.522	0.538	-3.1	112	0.00
55	T	1,1,2-Trichloroethane	0.237	0.237	0.0	109	0.00
56	T	Ethyl methacrylate	0.317	0.342	-7.9	110	0.00
57	T	1,3-Dichloropropane	0.410	0.425	-3.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.187	-23.8	130	0.00
59	T	2-Hexanone	0.134	0.144	-7.5	109	0.00
60	T	Dibromochloromethane	0.333	0.339	-1.8	112	0.00
61	T	1,2-Dibromoethane	0.222	0.218	1.8	105	0.00
62	S	4-Bromofluorobenzene	0.399	0.376	5.8	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.371	0.356	4.0	105	0.00
65	PM	Chlorobenzene	1.113	1.109	0.4	109	0.00
66	T	1,1,1,2-Tetrachloroethane	0.396	0.396	0.0	110	0.00
67	C	Ethyl Benzene	1.969	1.992	-1.2#	109	0.00
68	T	m/p-Xylenes	0.737	0.734	0.4	107	0.00
69	T	o-Xylene	0.687	0.708	-3.1	111	0.00
70	T	Styrene	1.145	1.182	-3.2	109	0.00
71	P	Bromoform	0.220	0.219	0.5	108	0.01
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.906	4.141	-6.0	114	0.00
74	T	N-amyl acetate	0.854	0.930	-8.9	110	0.00
75	P	1,1,2,2-Tetrachloroethane	0.650	0.643	1.1	107	0.00
76	T	1,2,3-Trichloropropane	0.454	0.435	4.2	99	0.00
77	T	Bromobenzene	0.901	0.886	1.7	107	0.00
78	T	n-propylbenzene	4.653	4.776	-2.6	109	0.00
79	T	2-Chlorotoluene	2.665	2.695	-1.1	109	0.00
80	T	1,3,5-Trimethylbenzene	3.167	3.206	-1.2	108	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.944	-325.2#	444#	0.00
82	T	4-Chlorotoluene	2.715	2.949	-8.6	118	0.00
83	T	tert-Butylbenzene	2.878	2.926	-1.7	107	0.00
84	T	1,2,4-Trimethylbenzene	3.096	3.199	-3.3	110	0.00
85	T	sec-Butylbenzene	4.143	4.321	-4.3	112	0.00
86	T	p-Isopropyltoluene	3.442	3.561	-3.5	109	0.00
87	T	1,3-Dichlorobenzene	1.740	1.736	0.2	108	0.00
88	T	1,4-Dichlorobenzene	1.714	1.688	1.5	106	0.00
89	T	n-Butylbenzene	3.140	3.366	-7.2	112	0.00
90	T	Hexachloroethane	0.718	0.740	-3.1	111	0.00
91	T	1,2-Dichlorobenzene	1.510	1.502	0.5	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.097	0.102	-5.2	111	0.00
93	T	1,2,4-Trichlorobenzene	0.841	0.910	-8.2	109	0.00
94	T	Hexachlorobutadiene	0.557	0.579	-3.9	109	0.00
95	T	Naphthalene	1.345	1.532	-13.9	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.700	0.748	-6.9	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	108	0.00
2	T	Dichlorodifluoromethane	50.000	43.405	13.2	94	0.00
3	P	Chloromethane	50.000	49.049	1.9	111	0.00
4	C	Vinyl Chloride	50.000	52.685	-5.4#	119	0.00
5	T	Bromomethane	50.000	48.974	2.1	113	0.00
6	T	Chloroethane	50.000	54.253	-8.5	122	0.00
7	T	Trichlorofluoromethane	50.000	49.946	0.1	111	0.00
8	T	Diethyl Ether	50.000	51.545	-3.1	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.319	3.4	107	0.00
10	T	Methyl Iodide	50.000	49.042	1.9	102	0.00
11	T	Tert butyl alcohol	250.000	226.709	9.3	107	0.03
12	CM	1,1-Dichloroethene	50.000	47.682	4.6#	105	0.00
13	T	Acrolein	250.000	180.571	27.8#	80	0.00
14	T	Allyl chloride	50.000	50.917	-1.8	111	0.00
15	T	Acrylonitrile	250.000	254.538	-1.8	109	0.02
16	T	Acetone	250.000	259.354	-3.7	116	0.01
17	T	Carbon Disulfide	50.000	42.570	14.9	93	0.00
18	T	Methyl Acetate	50.000	54.139	-8.3	114	0.00
19	T	Methyl tert-butyl Ether	50.000	51.750	-3.5	111	0.02
20	T	Methylene Chloride	50.000	49.688	0.6	110	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.939	4.1	104	0.00
22	T	Diisopropyl ether	50.000	52.568	-5.1	113	0.00
23	T	Vinyl Acetate	250.000	259.121	-3.6	109	0.00
24	P	1,1-Dichloroethane	50.000	50.349	-0.7	112	0.00
25	T	2-Butanone	250.000	257.014	-2.8	108	0.00
26	T	2,2-Dichloropropane	50.000	49.635	0.7	111	0.01
27	T	cis-1,2-Dichloroethene	50.000	49.906	0.2	109	0.00
28	T	Bromochloromethane	50.000	51.015	-2.0	103	0.00
29	T	Tetrahydrofuran	250.000	253.611	-1.4	106	0.02
30	C	Chloroform	50.000	50.208	-0.4#	110	0.00
31	T	Cyclohexane	50.000	46.529	6.9	107	0.00
32	T	1,1,1-Trichloroethane	50.000	49.948	0.1	110	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.832	8.3	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	46.730	6.5	104	0.00
36	T	1,1-Dichloropropene	50.000	48.164	3.7	107	0.00
37	T	Ethyl Acetate	50.000	51.024	-2.0	110	0.01
38	T	Carbon Tetrachloride	50.000	48.505	3.0	107	0.00
39	T	Methylcyclohexane	50.000	49.986	0.0	107	0.00
40	TM	Benzene	50.000	48.970	2.1	108	0.00
41	T	Methacrylonitrile	50.000	50.853	-1.7	120	0.01
42	TM	1,2-Dichloroethane	50.000	49.711	0.6	110	0.00
43	T	Isopropyl Acetate	50.000	52.494	-5.0	112	0.00
44	TM	Trichloroethene	50.000	48.712	2.6	109	0.00
45	C	1,2-Dichloropropane	50.000	51.328	-2.7#	113	0.00
46	T	Dibromomethane	50.000	49.095	1.8	108	0.00
47	T	Bromodichloromethane	50.000	50.636	-1.3	112	0.00
48	T	Methyl methacrylate	50.000	54.376	-8.8	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1039.289	-3.9	110	0.02
50	S	Toluene-d8	50.000	44.845	10.3	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.432	-4.6	110	0.00
52	CM	Toluene	50.000	49.688	0.6#	108	0.00
53	T	t-1,3-Dichloropropene	50.000	52.336	-4.7	112	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.553	-3.1	112	0.00
55	T	1,1,2-Trichloroethane	50.000	49.892	0.2	109	0.00
56	T	Ethyl methacrylate	50.000	53.867	-7.7	110	0.00
57	T	1,3-Dichloropropane	50.000	51.769	-3.5	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	309.543	-23.8	130	0.00
59	T	2-Hexanone	250.000	268.437	-7.4	109	0.00
60	T	Dibromochloromethane	50.000	50.976	-2.0	112	0.00
61	T	1,2-Dibromoethane	50.000	49.079	1.8	105	0.00
62	S	4-Bromofluorobenzene	50.000	47.196	5.6	102	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	47.954	4.1	105	0.00
65	PM	Chlorobenzene	50.000	49.788	0.4	109	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.076	-0.2	110	0.00
67	C	Ethyl Benzene	50.000	50.579	-1.2#	109	0.00
68	T	m/p-Xylenes	100.000	99.601	0.4	107	0.00
69	T	o-Xylene	50.000	51.555	-3.1	111	0.00
70	T	Styrene	50.000	51.620	-3.2	109	0.00
71	P	Bromoform	50.000	49.825	0.3	108	0.01
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	53.006	-6.0	114	0.00
74	T	N-amyl acetate	50.000	54.480	-9.0	110	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.512	1.0	107	0.00
76	T	1,2,3-Trichloropropane	50.000	47.921	4.2	99	0.00
77	T	Bromobenzene	50.000	49.154	1.7	107	0.00
78	T	n-propylbenzene	50.000	51.330	-2.7	109	0.00
79	T	2-Chlorotoluene	50.000	50.565	-1.1	109	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.629	-1.3	108	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	212.252	-324.5#	444	0.00
82	T	4-Chlorotoluene	50.000	54.307	-8.6	118	0.00
83	T	tert-Butylbenzene	50.000	50.825	-1.7	107	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.664	-3.3	110	0.00
85	T	sec-Butylbenzene	50.000	52.143	-4.3	112	0.00
86	T	p-Isopropyltoluene	50.000	51.734	-3.5	109	0.00
87	T	1,3-Dichlorobenzene	50.000	49.887	0.2	108	0.00
88	T	1,4-Dichlorobenzene	50.000	49.263	1.5	106	0.00
89	T	n-Butylbenzene	50.000	53.602	-7.2	112	0.00
90	T	Hexachloroethane	50.000	51.535	-3.1	111	0.00
91	T	1,2-Dichlorobenzene	50.000	49.731	0.5	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.711	-5.4	111	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.103	-8.2	109	0.00
94	T	Hexachlorobutadiene	50.000	51.945	-3.9	109	0.00
95	T	Naphthalene	50.000	56.964	-13.9	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.438	-6.9	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 18:32

Lab File ID: VY021245.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.440	0.469	0.1	6.59	50
Vinyl Chloride	0.443	0.496		11.96	50
Bromomethane	0.274	0.311		13.5	50
Chloroethane	0.263	0.322		22.43	50
Trichlorofluoromethane	0.806	0.844		4.72	50
1,1,2-Trichlorotrifluoroethane	0.506	0.518		2.37	50
1,1-Dichloroethene	0.477	0.484		1.47	50
Acetone	0.080	0.095		18.75	50
Carbon Disulfide	1.495	1.357		-9.23	50
Methyl tert-butyl Ether	1.205	1.416		17.51	50
Methylene Chloride	0.497	0.568		14.29	50
trans-1,2-Dichloroethene	0.525	0.540		2.86	50
1,1-Dichloroethane	0.970	1.082	0.1	11.55	50
2-Butanone	0.131	0.161		22.9	50
Carbon Tetrachloride	0.555	0.556		0.18	50
cis-1,2-Dichloroethene	0.604	0.666		10.27	50
Chloroform	0.997	1.114		11.73	50
1,1,1-Trichloroethane	0.927	0.983		6.04	50
Methylcyclohexane	0.581	0.577		-0.69	50
Benzene	1.393	1.472		5.67	50
1,2-Dichloroethane	0.386	0.422		9.33	50
Trichloroethene	0.360	0.362		0.56	50
1,2-Dichloropropane	0.331	0.367		10.88	50
Bromodichloromethane	0.491	0.541		10.18	50
4-Methyl-2-Pentanone	0.208	0.254		22.11	50
Toluene	0.875	0.924		5.6	50
t-1,3-Dichloropropene	0.441	0.497		12.7	50
cis-1,3-Dichloropropene	0.522	0.577		10.54	50
1,1,2-Trichloroethane	0.237	0.265		11.81	50
2-Hexanone	0.134	0.169		26.12	50
Dibromochloromethane	0.333	0.364		9.31	50
Tetrachloroethene	0.371	0.361		-2.69	50
Chlorobenzene	1.113	1.160	0.3	4.22	50
Ethyl Benzene	1.969	2.074		5.33	50
m/p-Xylenes	0.737	0.768		4.21	50
o-Xylene	0.687	0.734		6.84	50
Styrene	1.145	1.245		8.73	50
Bromoform	0.220	0.242	0.1	10	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 18:32

Lab File ID: VY021245.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.906	3.853		-1.36	50
1,1,2,2-Tetrachloroethane	0.650	0.684	0.3	5.23	50
1,3-Dichlorobenzene	1.740	1.731		-0.52	50
1,4-Dichlorobenzene	1.714	1.677		-2.16	50
1,2-Dichlorobenzene	1.510	1.520		0.66	50
1,2-Dichloroethane-d4	0.512	0.533		4.1	50
Dibromofluoromethane	0.320	0.323		0.94	50
Toluene-d8	1.220	1.195		-2.05	50
4-Bromofluorobenzene	0.399	0.423		6.01	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	165417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	263329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	229757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	116229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	88101	51.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.960%			
35) Dibromofluoromethane	7.646	113	84971	50.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.109	98	314603	48.967	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.407	95	111317	53.035	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	68125	46.207	ug/l	94
3) Chloromethane	2.074	50	77616	53.350	ug/l	98
4) Vinyl Chloride	2.208	62	81998	55.997	ug/l	98
5) Bromomethane	2.604	94	51477	56.877	ug/l	95
6) Chloroethane	2.745	64	53243	61.081	ug/l	97
7) Trichlorofluoromethane	3.068	101	139644	52.345	ug/l	100
8) Diethyl Ether	3.464	74	46675	56.045	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	85745	51.211	ug/l	96
10) Methyl Iodide	4.013	142	96299	51.770	ug/l	93
11) Tert butyl alcohol	4.878	59	30610	266.519	ug/l	98
12) 1,1-Dichloroethene	3.799	96	80071	50.767	ug/l	89
13) Acrolein	3.659	56	34023	192.376	ug/l	98
14) Allyl chloride	4.397	41	147780	55.595	ug/l	95
15) Acrylonitrile	5.067	53	105365	303.821	ug/l	99
16) Acetone	3.878	43	78384	296.567	ug/l	96
17) Carbon Disulfide	4.116	76	224522	45.397	ug/l	98
18) Methyl Acetate	4.397	43	61425	66.203	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	234150	58.736	ug/l	98
20) Methylene Chloride	4.628	84	93932	57.169	ug/l	88
21) trans-1,2-Dichloroethene	5.122	96	89402	51.495	ug/l	91
22) Diisopropyl ether	6.024	45	328775	60.006	ug/l	97
23) Vinyl Acetate	5.970	43	911621	298.467	ug/l	98
24) 1,1-Dichloroethane	5.927	63	178918	55.736	ug/l	97
25) 2-Butanone	6.902	43	133426	307.203	ug/l	100
26) 2,2-Dichloropropane	6.896	77	153504	51.680	ug/l	96
27) cis-1,2-Dichloroethene	6.902	96	110153	55.122	ug/l	94
28) Bromochloromethane	7.256	49	72467	57.089	ug/l	96
29) Tetrahydrofuran	7.268	42	90360	307.460	ug/l	95
30) Chloroform	7.427	83	184343	55.908	ug/l	99
31) Cyclohexane	7.713	56	140823	48.715	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	162598	53.040	ug/l	100
36) 1,1-Dichloropropene	7.841	75	125097	50.046	ug/l	99
37) Ethyl Acetate	6.994	43	64705	59.007	ug/l	97
38) Carbon Tetrachloride	7.823	117	146445	50.141	ug/l	98
39) Methylcyclohexane	9.115	83	151836	49.660	ug/l	98
40) Benzene	8.085	78	387558	52.834	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	38035	59.955	ug/l		96
42) 1,2-Dichloroethane	8.164	62	111164	54.630	ug/l		97
43) Isopropyl Acetate	8.201	43	128687	59.061	ug/l		96
44) Trichloroethene	8.871	130	95421	50.349	ug/l		94
45) 1,2-Dichloropropane	9.146	63	96514	55.433	ug/l		97
46) Dibromomethane	9.237	93	52073	54.018	ug/l		97
47) Bromodichloromethane	9.426	83	142381	55.072	ug/l		96
48) Methyl methacrylate	9.225	41	60459	60.916	ug/l		94
49) 1,4-Dioxane	9.237	88	10699	1192.209	ug/l		91
51) 4-Methyl-2-Pentanone	10.005	43	334517	305.302	ug/l		97
52) Toluene	10.176	92	243403	52.845	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	130776	56.333	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	152060	55.321	ug/l	#	92
55) 1,1,2-Trichloroethane	10.579	97	69894	55.990	ug/l		99
56) Ethyl methacrylate	10.444	69	100897	60.418	ug/l		88
57) 1,3-Dichloropropane	10.725	76	121459	56.213	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	232635	292.814	ug/l		99
59) 2-Hexanone	10.767	43	222547	315.458	ug/l		95
60) Dibromochloromethane	10.914	129	95808	54.651	ug/l		99
61) 1,2-Dibromoethane	11.017	107	64150	54.863	ug/l		100
64) Tetrachloroethene	10.652	164	82866	48.585	ug/l		97
65) Chlorobenzene	11.444	112	266534	52.099	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.523	131	97033	53.372	ug/l		98
67) Ethyl Benzene	11.523	91	476554	52.665	ug/l		98
68) m/p-Xylenes	11.633	106	352761	104.209	ug/l		96
69) o-Xylene	11.956	106	168625	53.429	ug/l		97
70) Styrene	11.975	104	285969	54.365	ug/l		98
71) Bromoform	12.139	173	55594	54.936	ug/l	#	98
73) Isopropylbenzene	12.261	105	447834	49.326	ug/l		99
74) N-amyl acetate	12.072	43	114723	57.796	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	79491	52.644	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	56205m	53.308	ug/l		
77) Bromobenzene	12.535	156	103017	49.169	ug/l		97
78) n-propylbenzene	12.603	91	539445	49.878	ug/l		99
79) 2-Chlorotoluene	12.688	91	309867	50.023	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	365700	49.680	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	27332	52.896	ug/l		97
82) 4-Chlorotoluene	12.779	91	316493	50.148	ug/l		99
83) tert-Butylbenzene	13.005	119	336692	50.321	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	364939	50.704	ug/l		100
85) sec-Butylbenzene	13.182	105	478716	49.704	ug/l		99
86) p-Isopropyltoluene	13.298	119	395546	49.440	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	201146	49.722	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	194880	48.925	ug/l		99
89) n-Butylbenzene	13.621	91	368108	50.435	ug/l		99
90) Hexachloroethane	13.883	117	83620	50.100	ug/l		87
91) 1,2-Dichlorobenzene	13.663	146	176618	50.301	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11631	51.546	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	103377	52.893	ug/l		99
94) Hexachlorobutadiene	15.029	225	63868	49.312	ug/l		98
95) Naphthalene	15.151	128	180305	57.663	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	87654	53.891	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

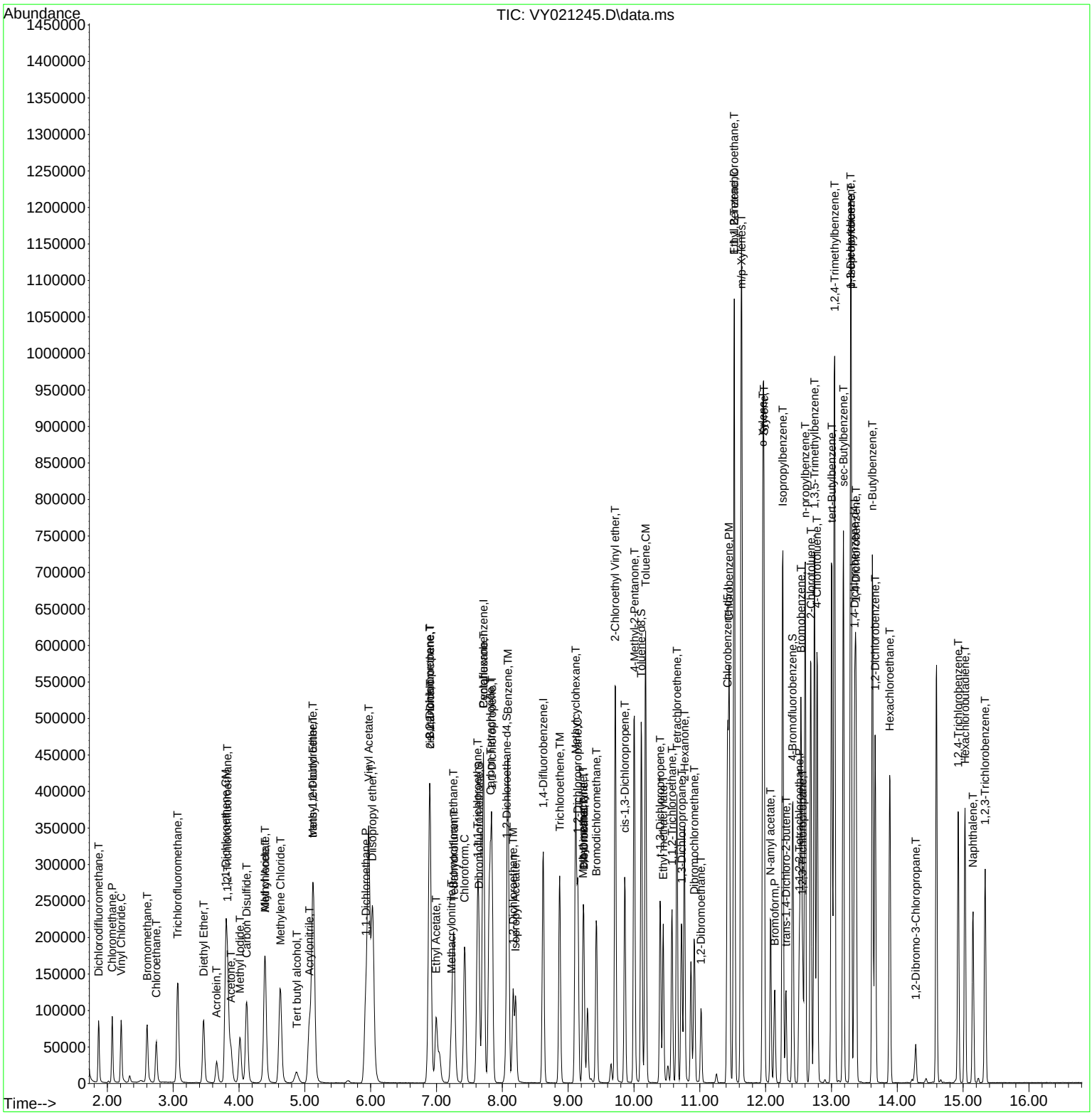
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

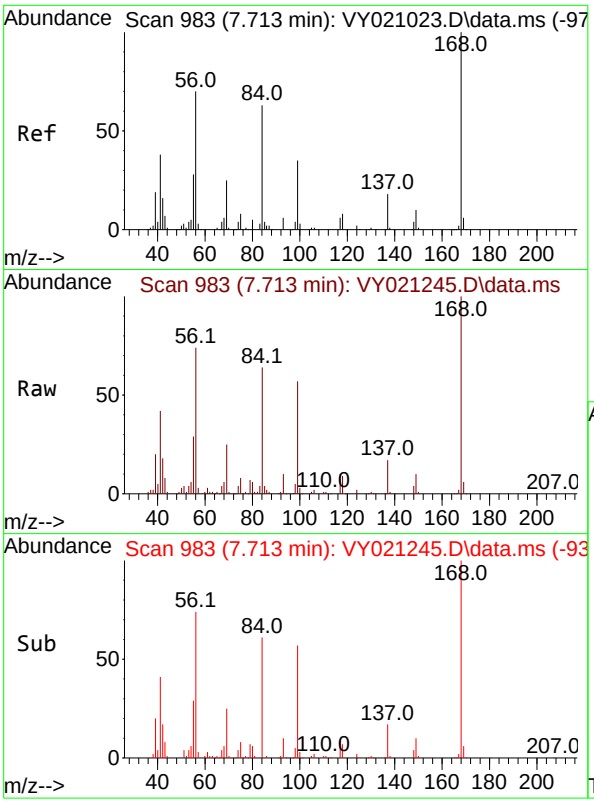
Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

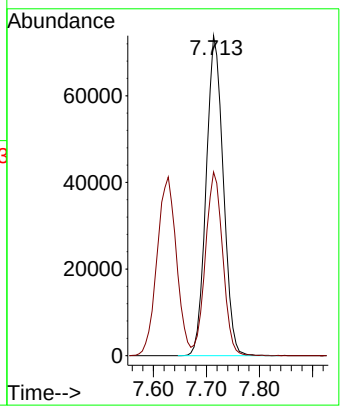




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:168 Resp: 16541

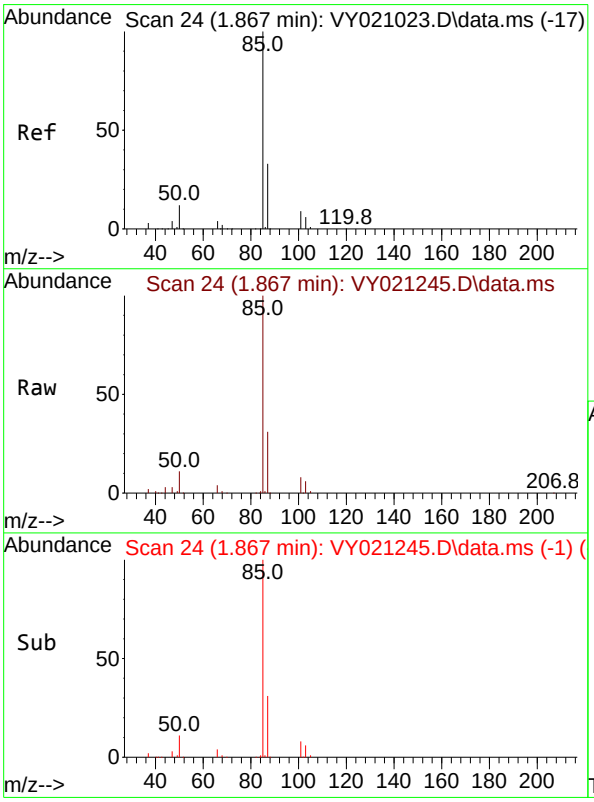
Ion	Ratio	Lower	Upper
168	100		
99	57.3	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

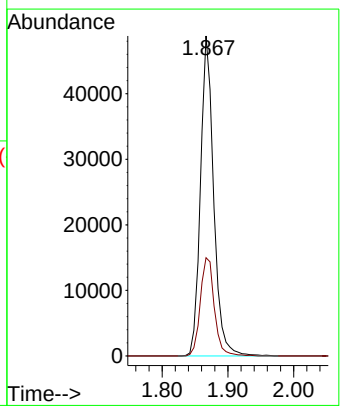
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

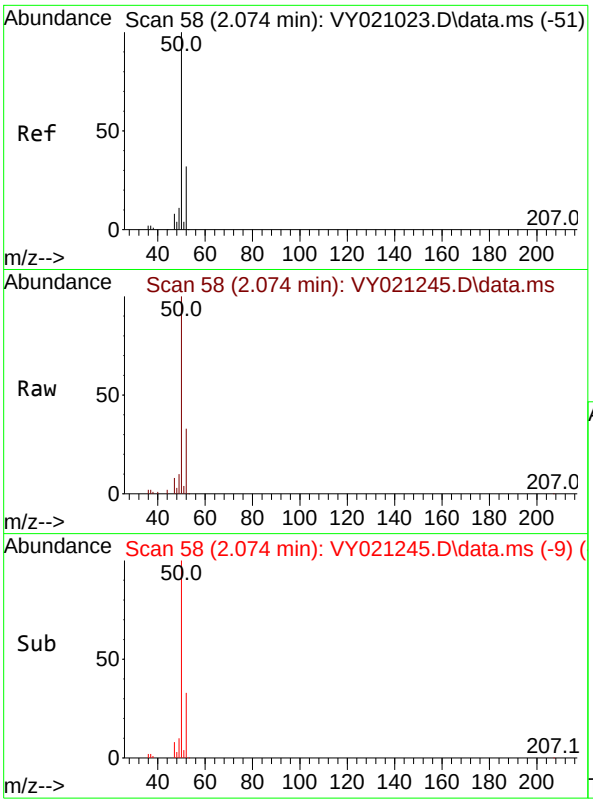


#2
Dichlorodifluoromethane
Concen: 46.207 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 85 Resp: 68125

Ion	Ratio	Lower	Upper
85	100		
87	30.7	17.1	51.3

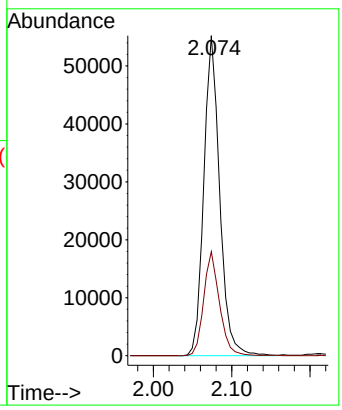




#3
Chloromethane
Concen: 53.350 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 50 Resp: 7761

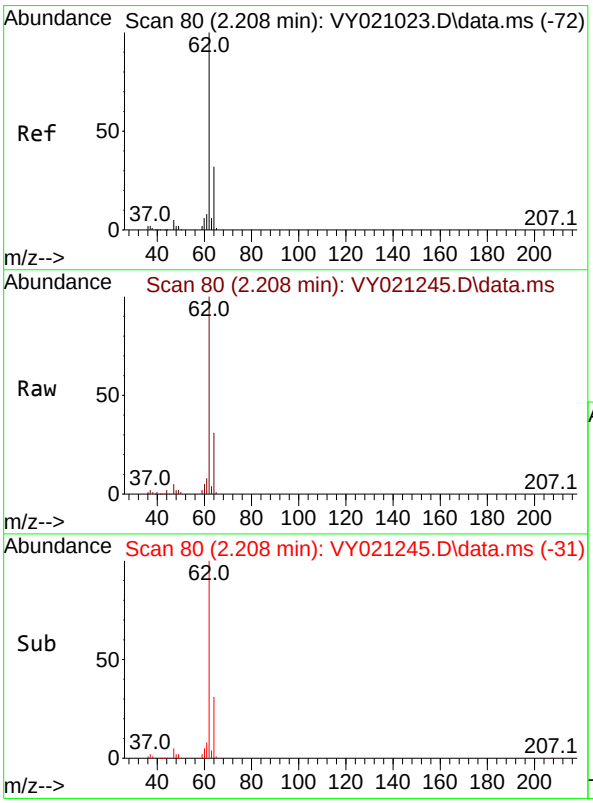
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

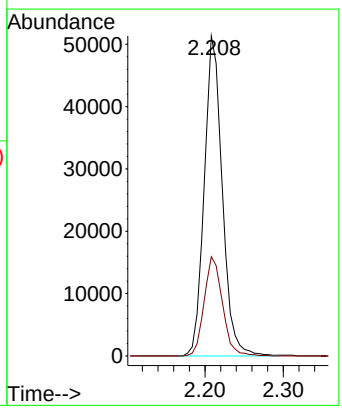
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

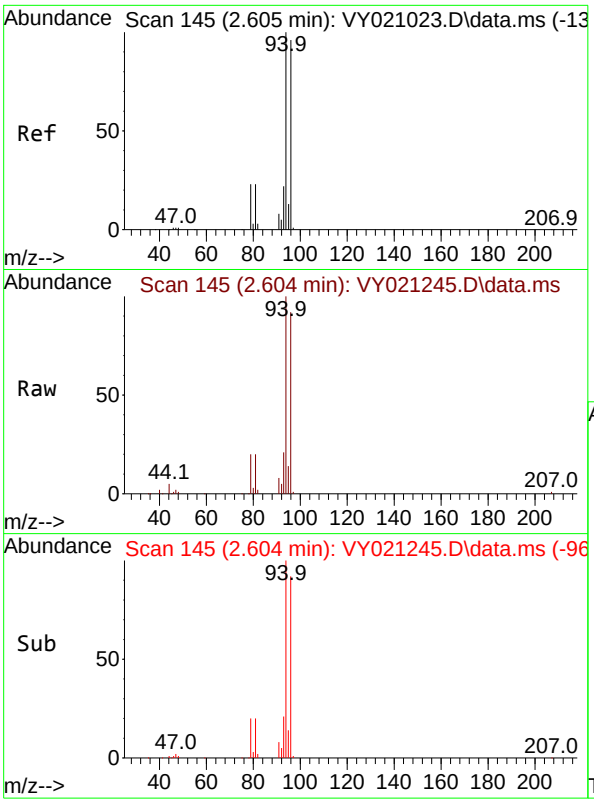


#4
Vinyl Chloride
Concen: 55.997 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 81998

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.7	38.5





#5
Bromomethane
Concen: 56.877 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 94 Resp: 5147

Ion	Ratio	Lower	Upper
94	100		
96	91.7	77.3	115.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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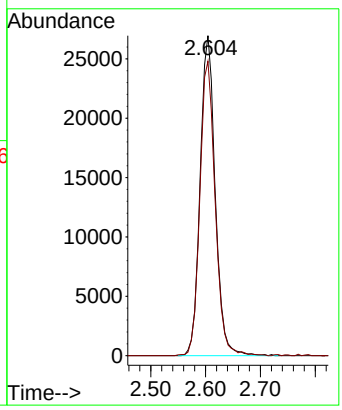
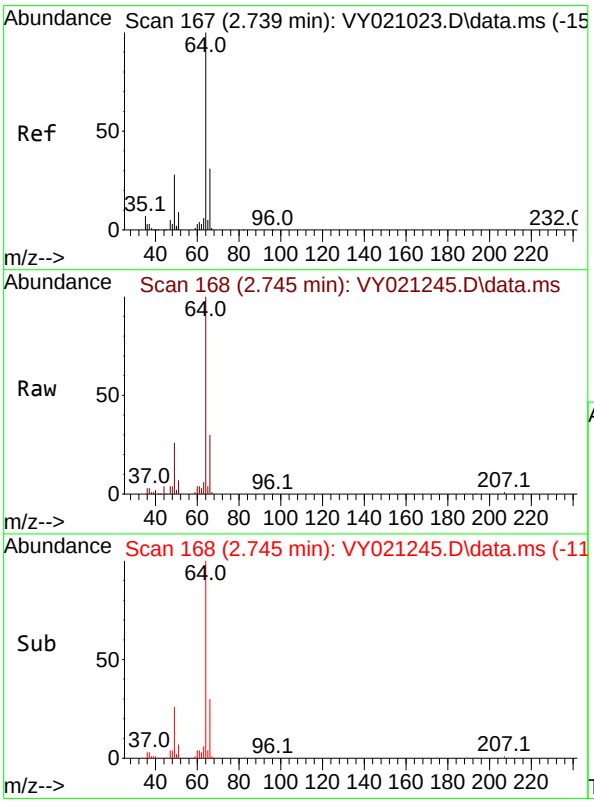
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

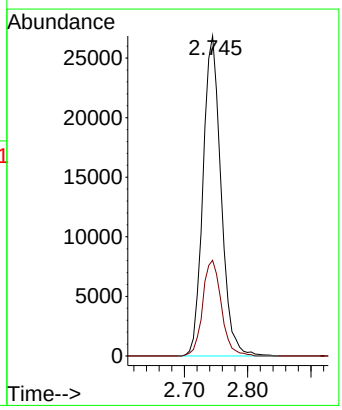


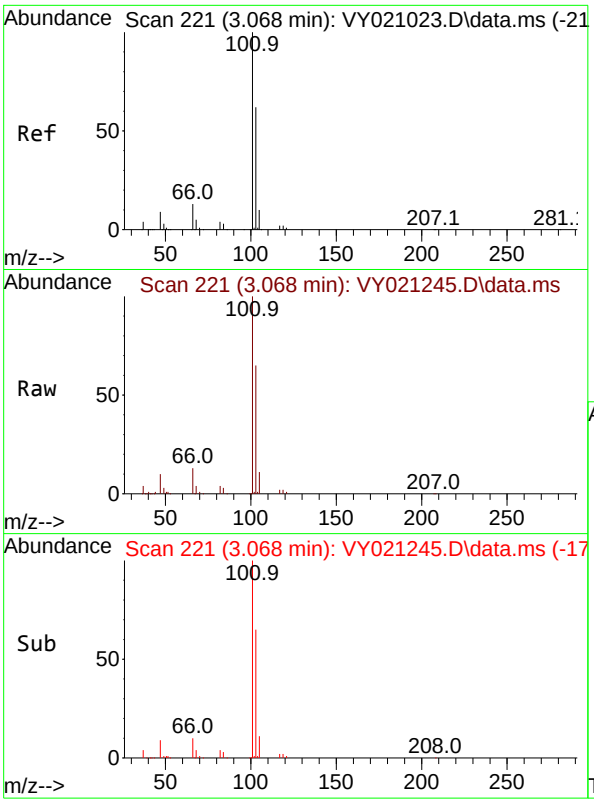


#6
Chloroethane
Concen: 61.081 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 64 Resp: 53243

Ion	Ratio	Lower	Upper
64	100		
66	29.9	25.1	37.7

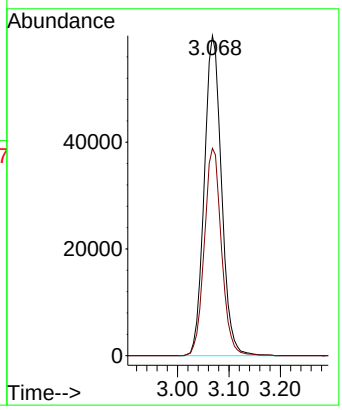




#7
Trichlorofluoromethane
Concen: 52.345 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:101 Resp: 13964

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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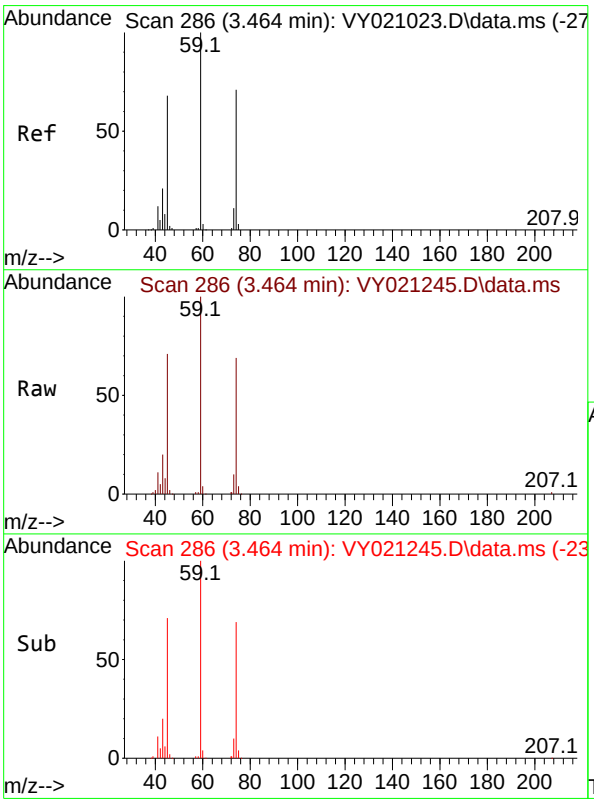
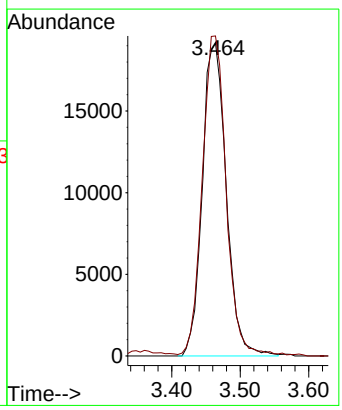
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

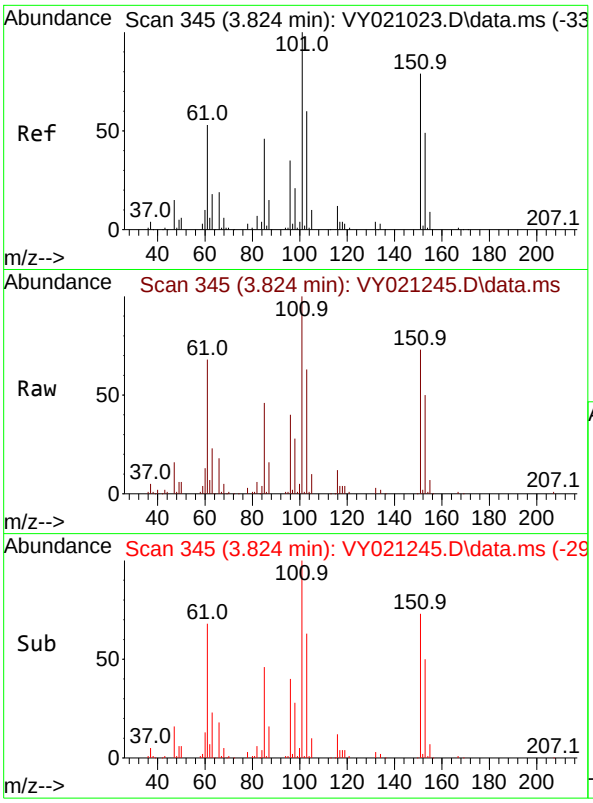


#8
Diethyl Ether
Concen: 56.045 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 74 Resp: 46675

Ion	Ratio	Lower	Upper
74	100		
45	100.5	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.211 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:101 Resp: 8574

Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.8	53.6
151	76.9	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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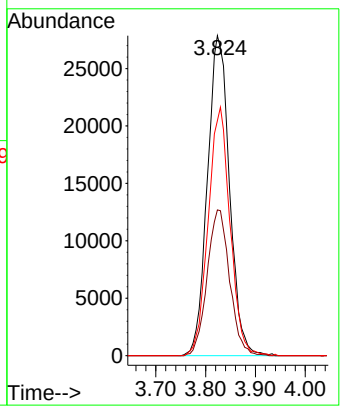
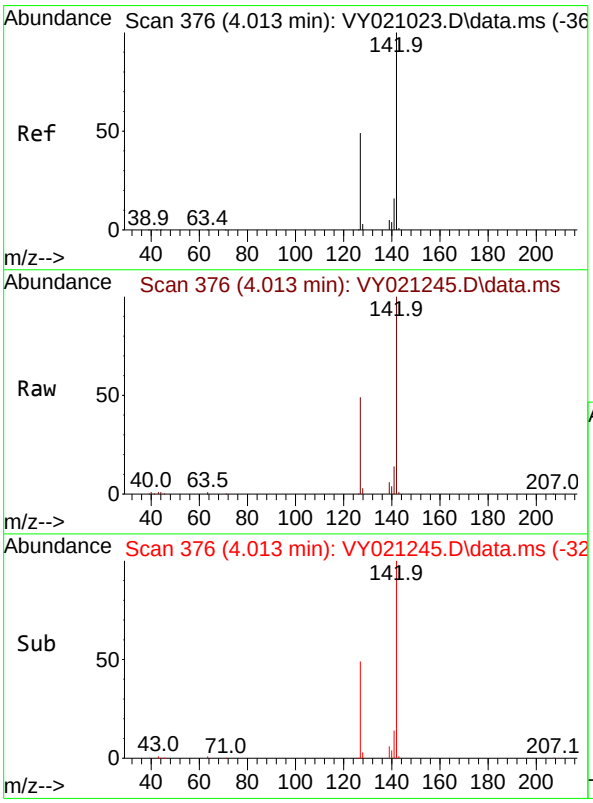
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

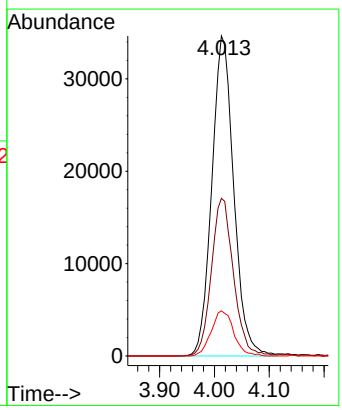


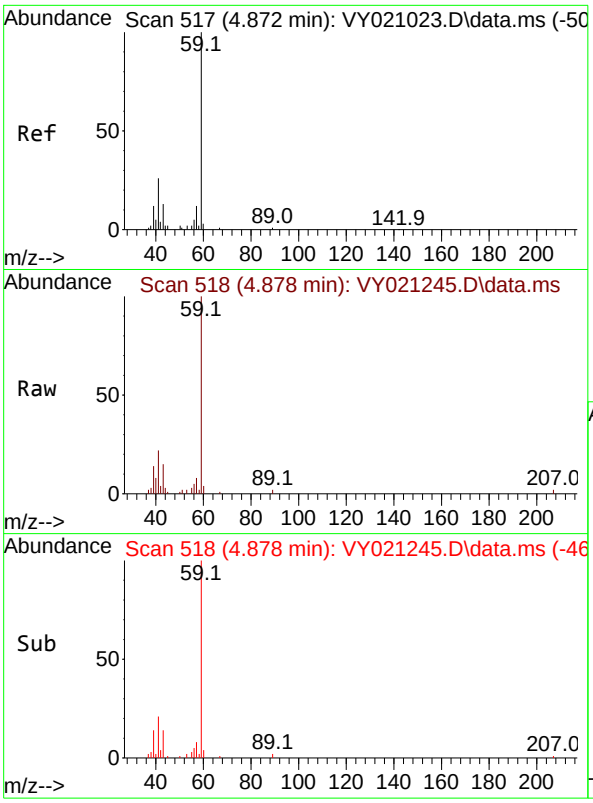


#10
Methyl Iodide
Concen: 51.770 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:142 Resp: 96299

Ion	Ratio	Lower	Upper
142	100		
127	49.5	35.1	52.7
141	14.5	11.8	17.6

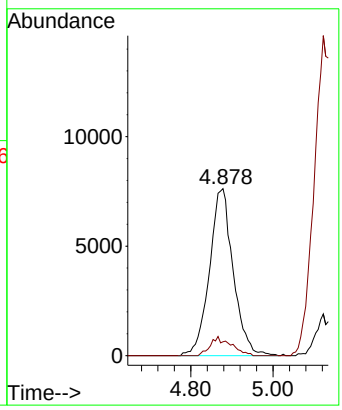




#11
Tert butyl alcohol
Concen: 266.519 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 59 Resp: 3061

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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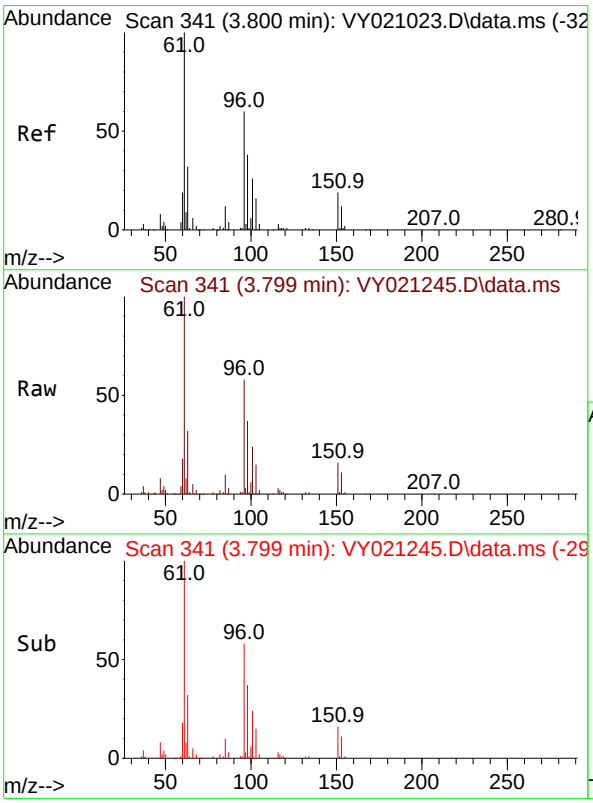
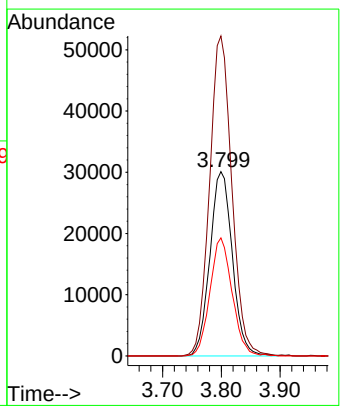
Supervised By :Mahesh Dadoda 02/20/2025

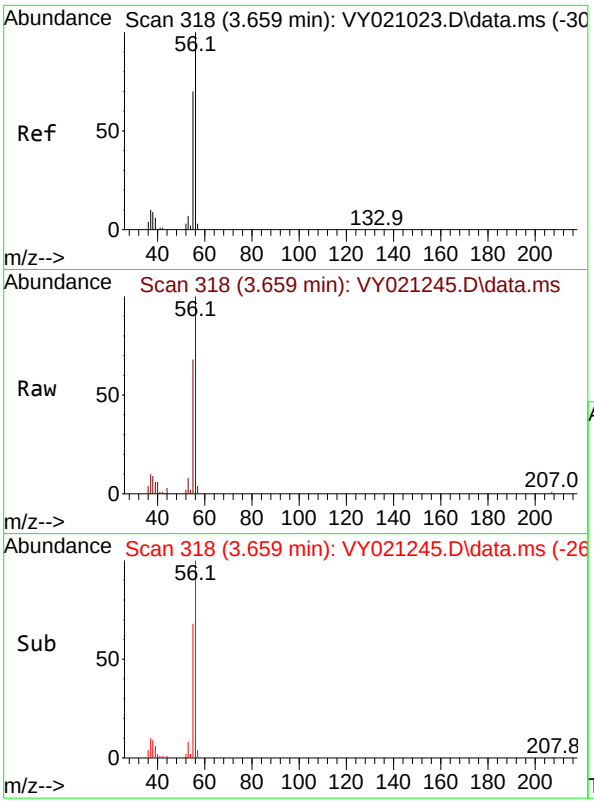


#12
1,1-Dichloroethene
Concen: 50.767 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 80071

Ion	Ratio	Lower	Upper
96	100		
61	173.6	124.2	186.2
98	64.1	52.6	79.0

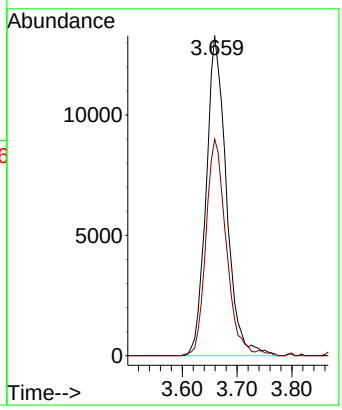




#13
Acrolein
Concen: 192.376 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 56 Resp: 3402

Ion	Ratio	Lower	Upper
56	100		
55	67.4	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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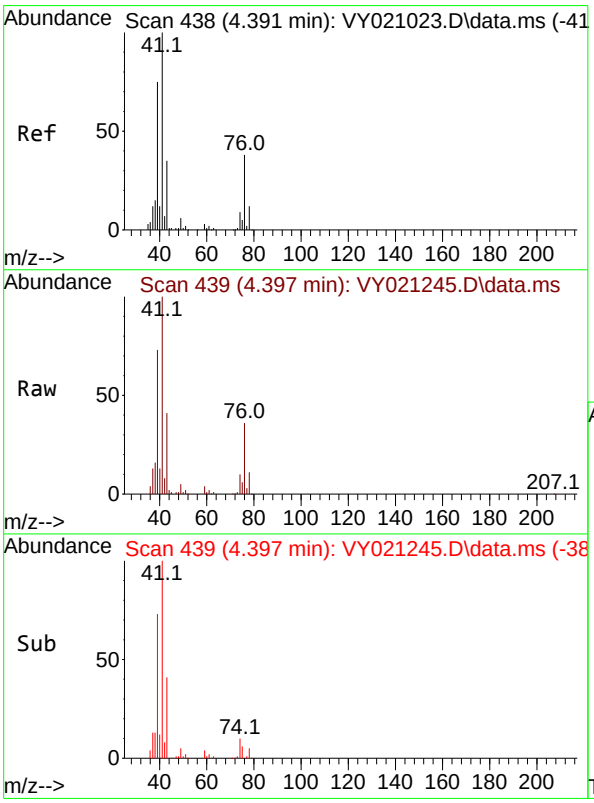
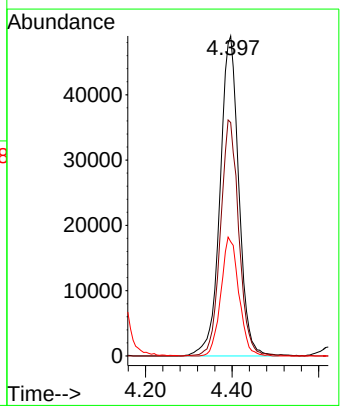
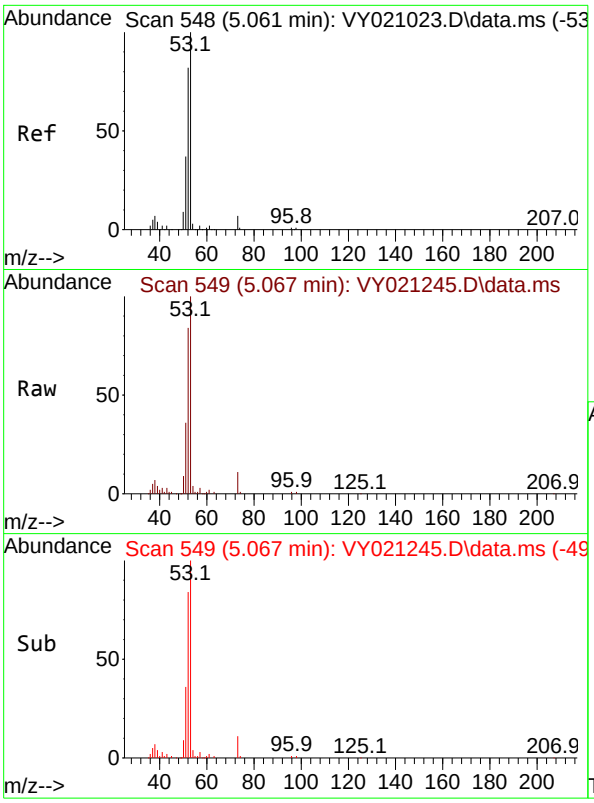


#14
Allyl chloride
Concen: 55.595 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 147780

Ion	Ratio	Lower	Upper
41	100		
39	72.1	54.7	82.1
76	35.6	31.8	47.6





#15
Acrylonitrile
Concen: 303.821 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 53 Resp: 10536

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.1	97.7
51	37.6	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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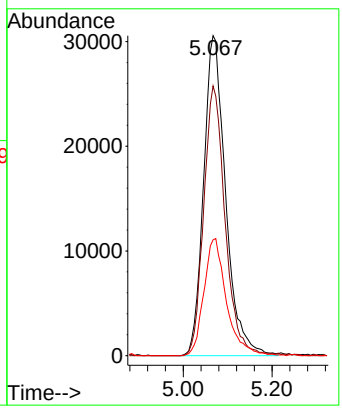
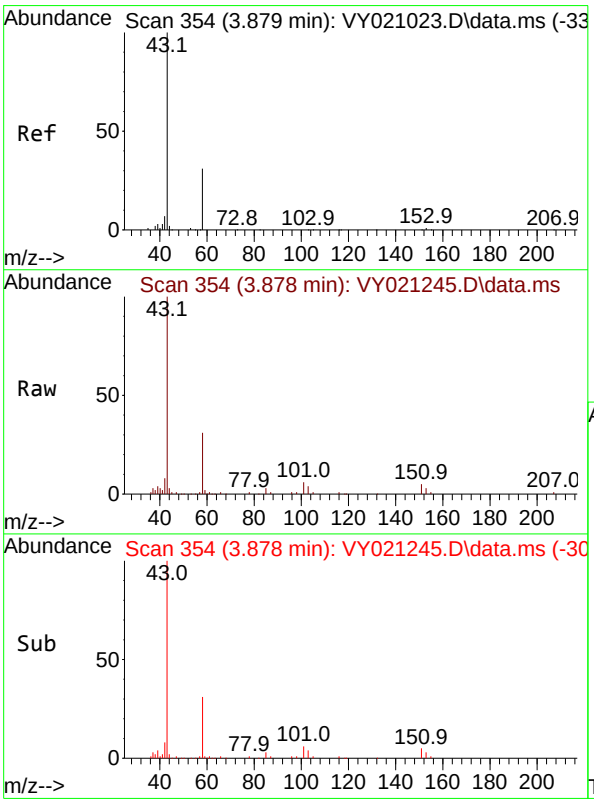
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

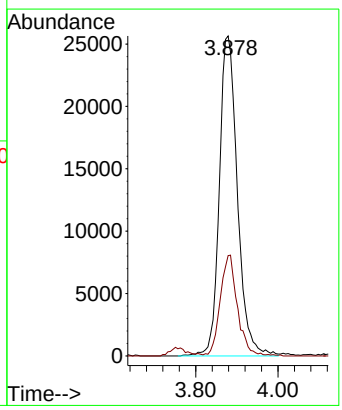


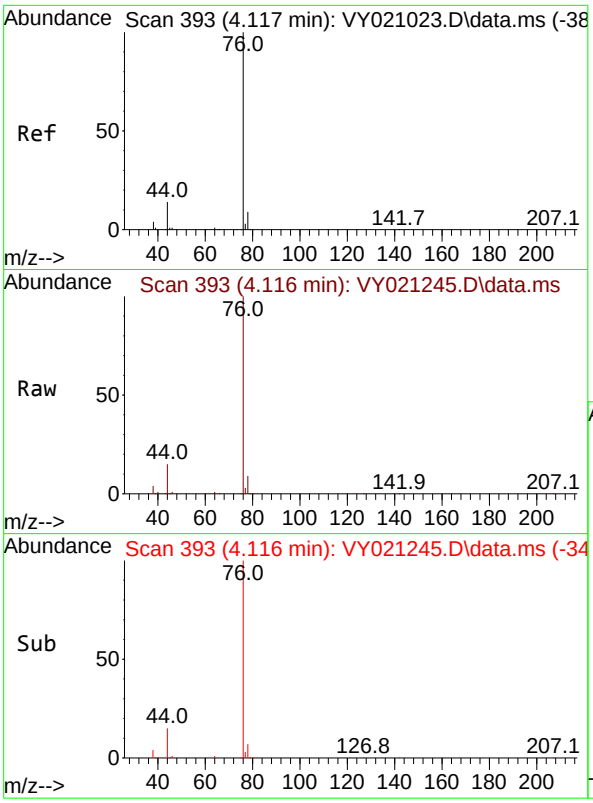


#16
Acetone
Concen: 296.567 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 78384

Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.6	39.8





#17
Carbon Disulfide
Concen: 45.397 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 76 Resp: 22452

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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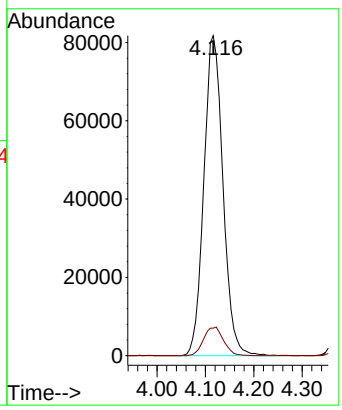
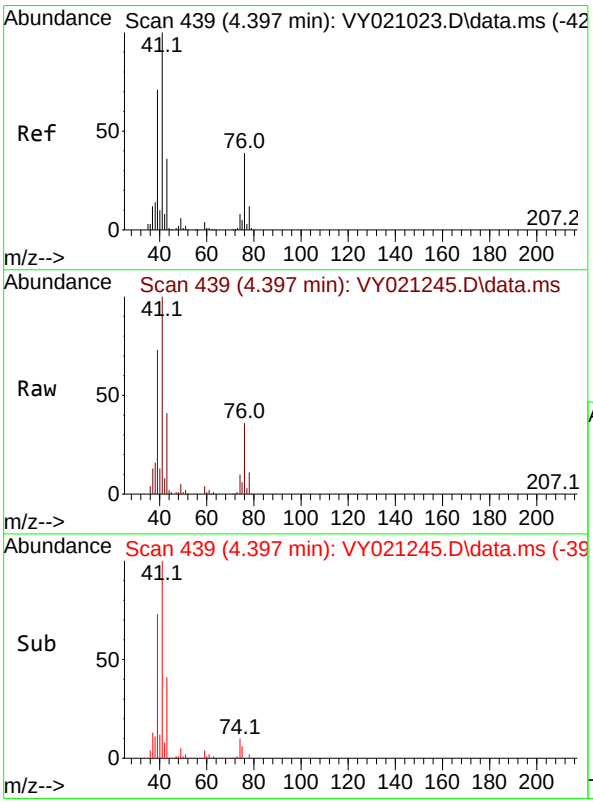
Supervised By :Mahesh Dadoda 02/20/2025

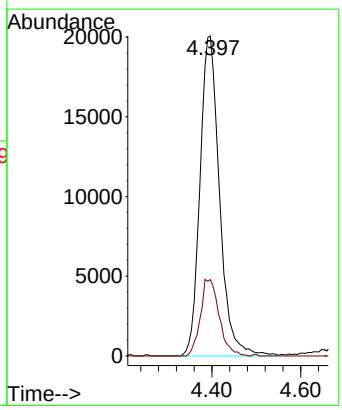


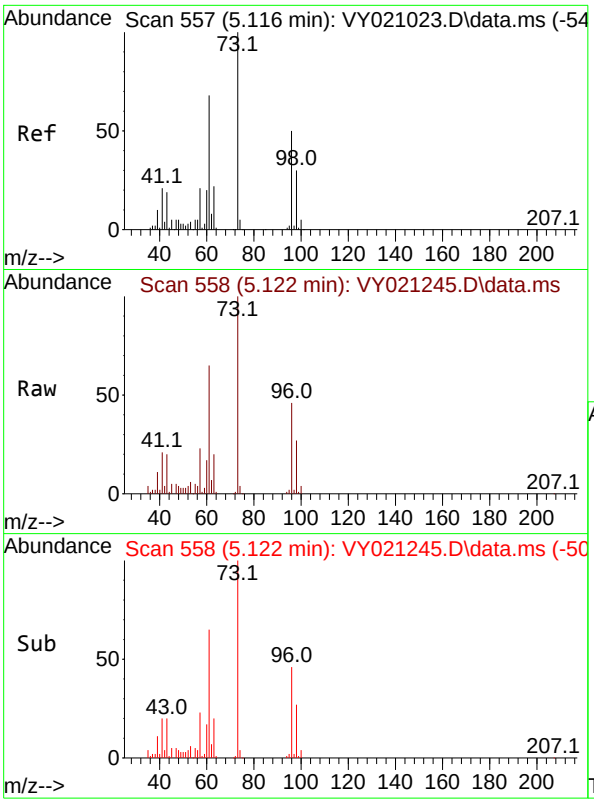


#18
Methyl Acetate
Concen: 66.203 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 61425

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.8	29.6

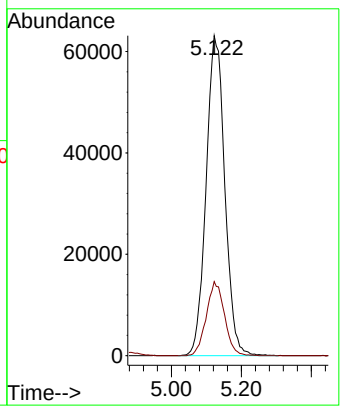




#19
Methyl tert-butyl Ether
Concen: 58.736 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 73 Resp: 23415

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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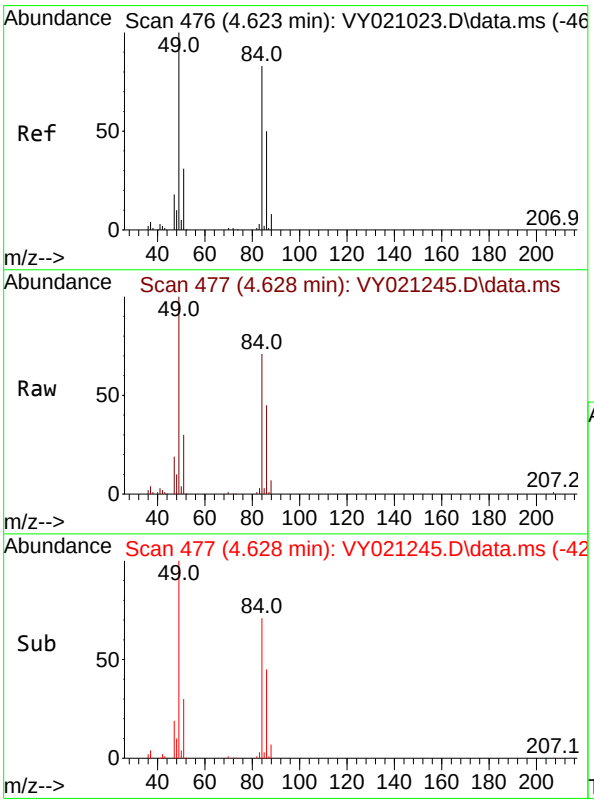
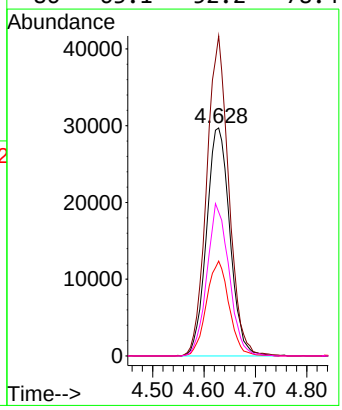
Supervised By :Mahesh Dadoda 02/20/2025

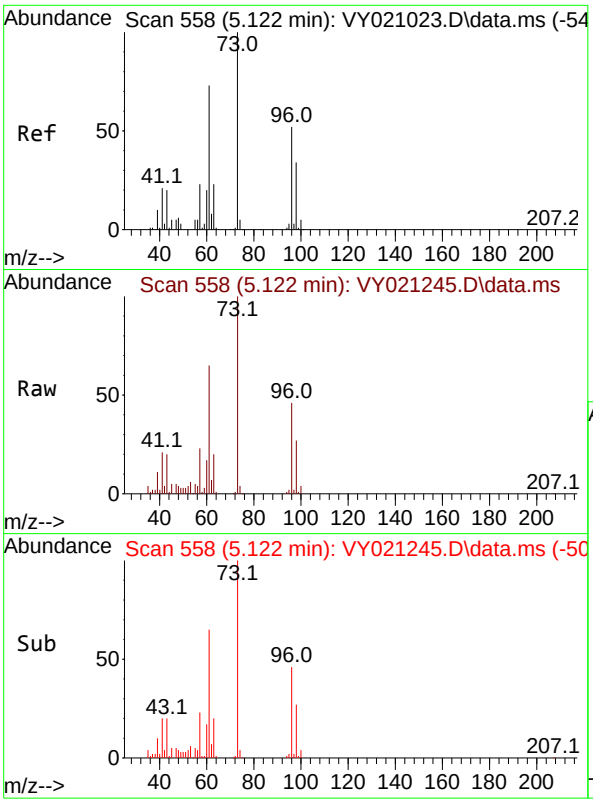


#20
Methylene Chloride
Concen: 57.169 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 84 Resp: 93932

Ion	Ratio	Lower	Upper
84	100		
49	140.1	95.2	142.8
51	41.6	29.9	44.9
86	63.1	52.2	78.4





#21
trans-1,2-Dichloroethene
Concen: 51.495 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 8940

Ion	Ratio	Lower	Upper
96	100		
61	142.0	104.6	156.8
98	58.4	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Romaben Patel 02/20/2025
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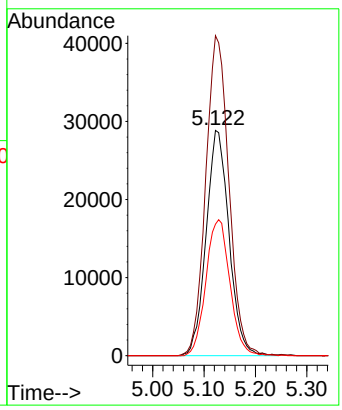
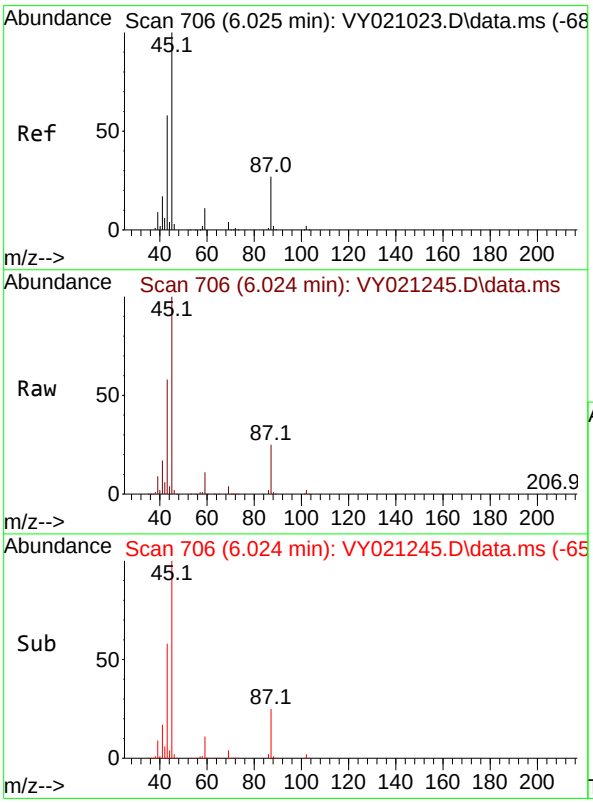
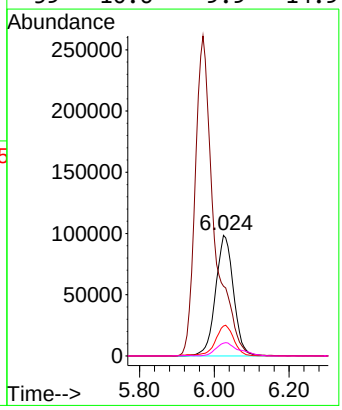


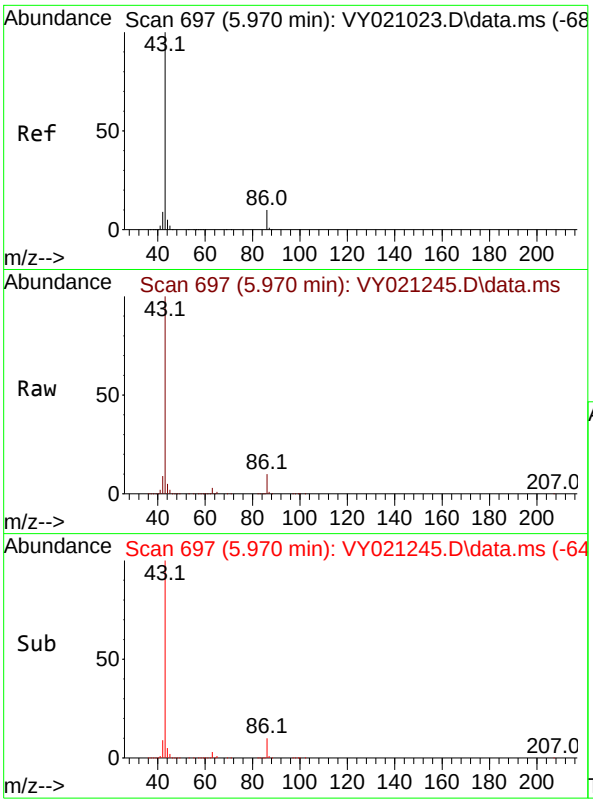


#22
Diisopropyl ether
Concen: 60.006 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 45 Resp: 328775

Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.8	70.2
87	24.8	22.2	33.2
59	10.6	9.9	14.9





#23
Vinyl Acetate
Concen: 298.467 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 91162

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.6	13.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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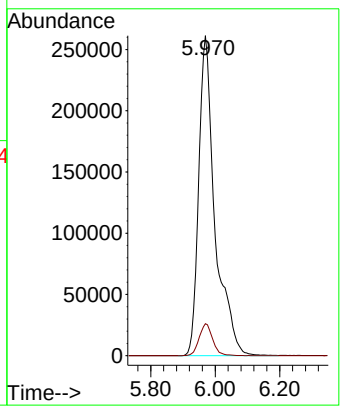
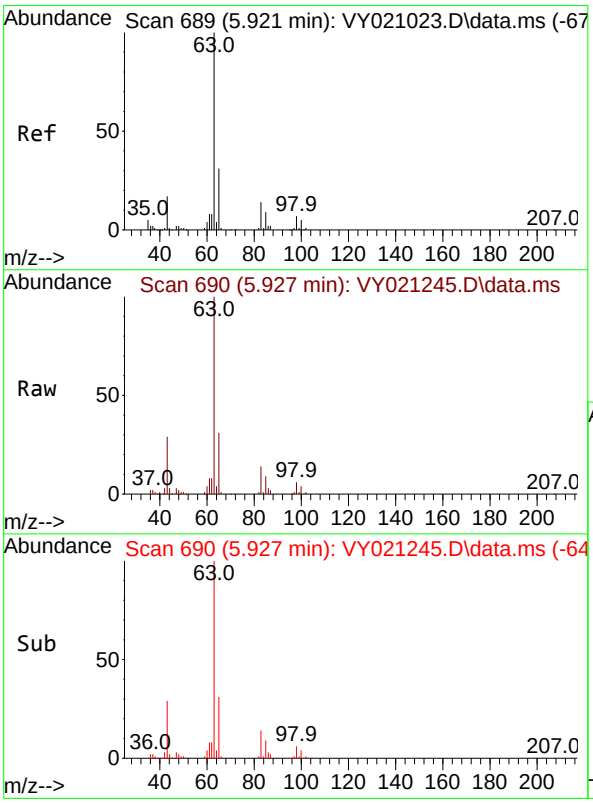
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

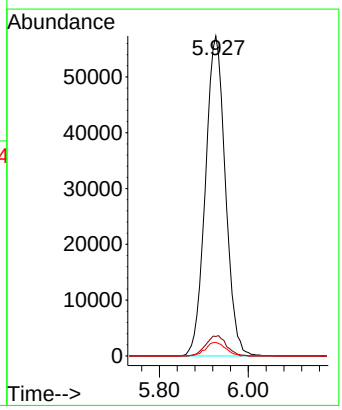


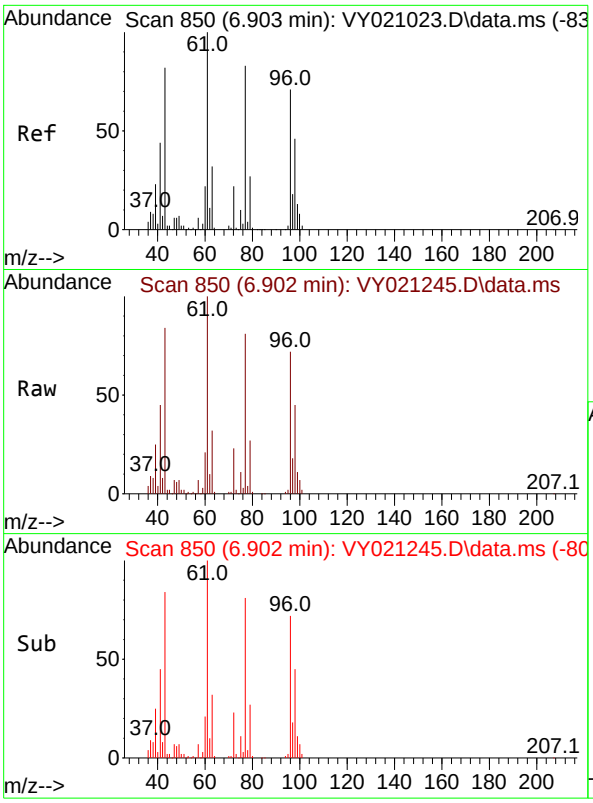


#24
1,1-Dichloroethane
Concen: 55.736 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 178918

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.4
100	4.3	2.1	6.2





#25
2-Butanone
Concen: 307.203 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 13342

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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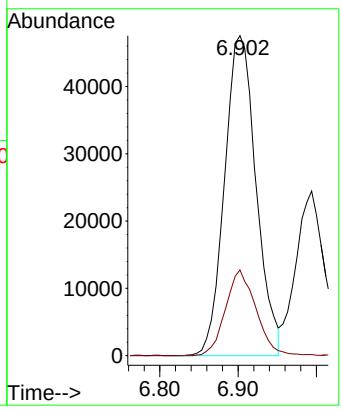
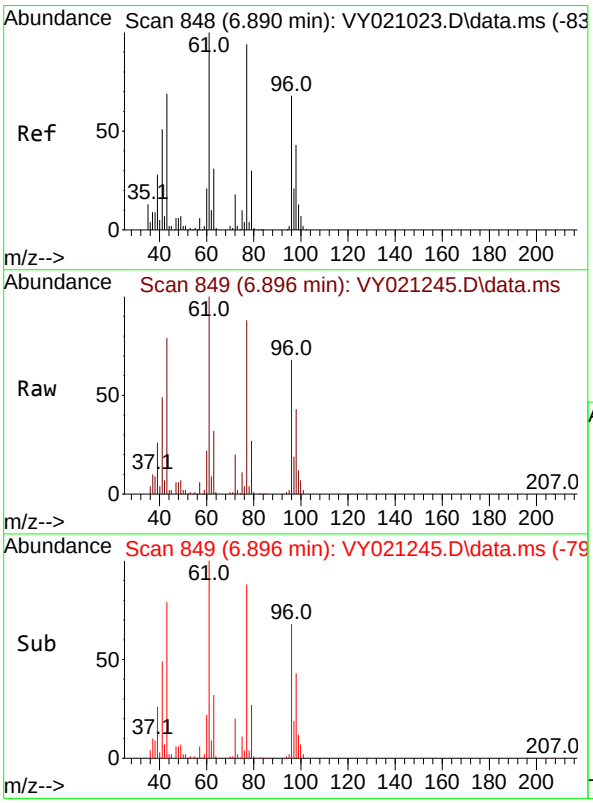
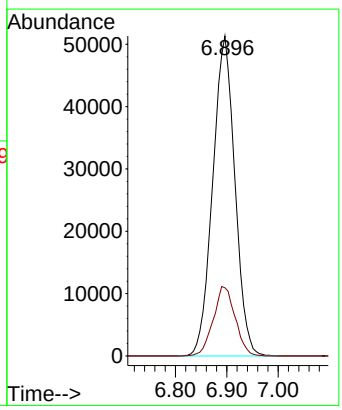


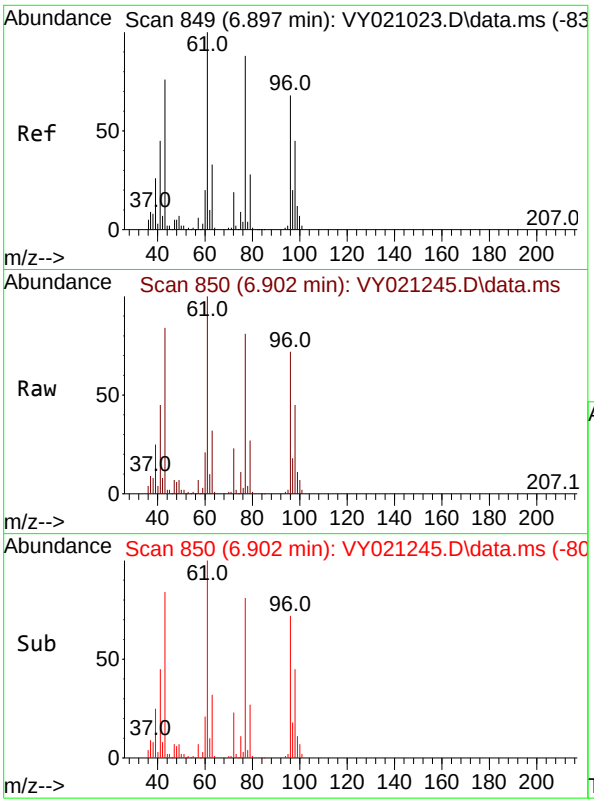


#26
2,2-Dichloropropane
Concen: 51.680 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 77 Resp: 153504

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.7	35.0





#27
cis-1,2-Dichloroethene
Concen: 55.122 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 11015

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	278.8
98	64.3	0.0	127.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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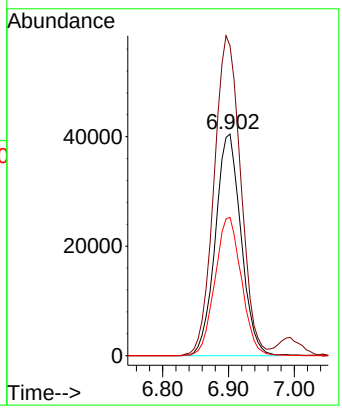
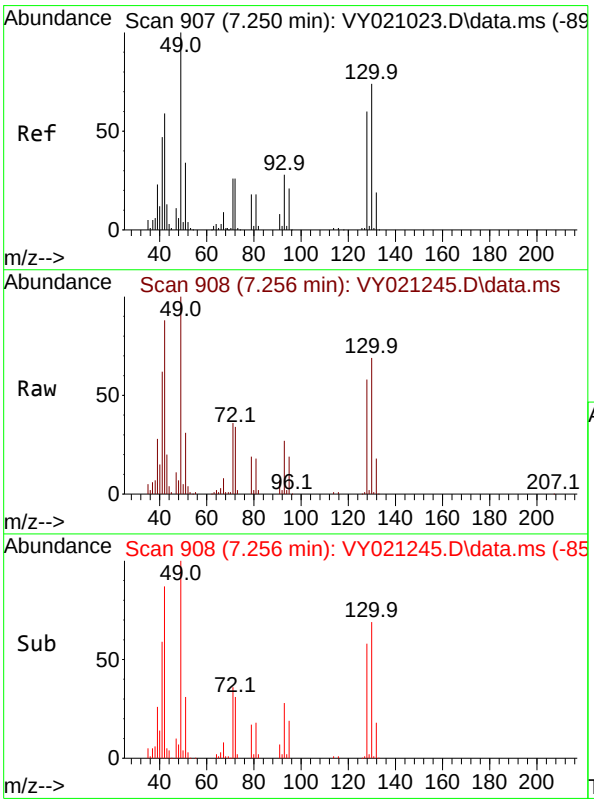
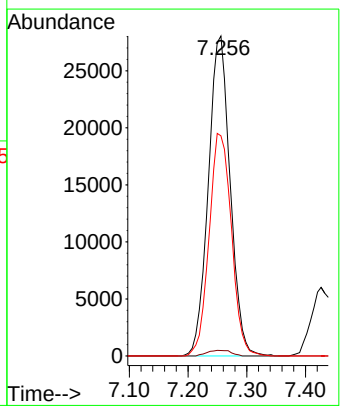


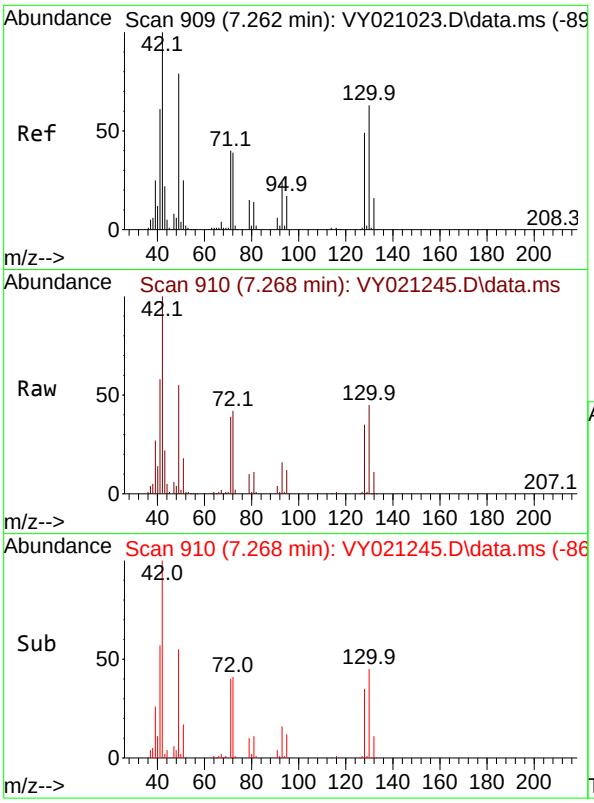


#28
Bromochloromethane
Concen: 57.089 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 49 Resp: 72467

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.1	59.8	89.8

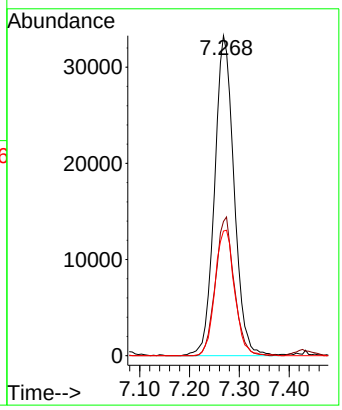




#29
Tetrahydrofuran
Concen: 307.460 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 42 Resp: 9036

Ion	Ratio	Lower	Upper
42	100		
72	41.5	36.6	54.8
71	39.4	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
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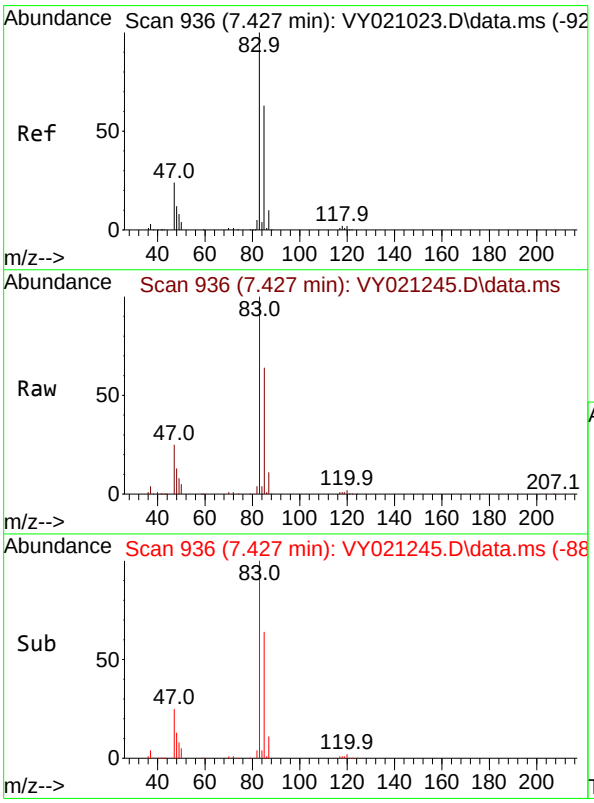
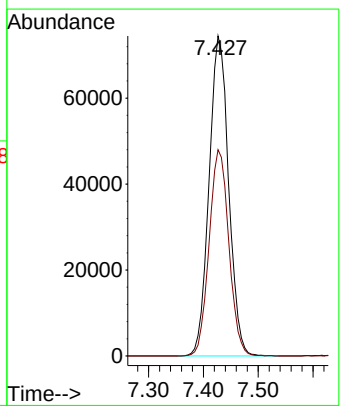
Supervised By :Mahesh Dadoda 02/20/2025

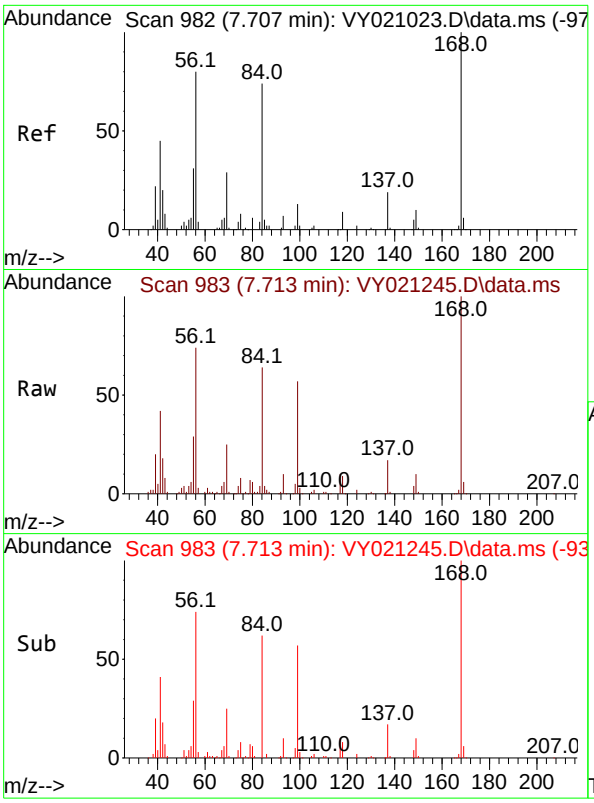


#30
Chloroform
Concen: 55.908 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 184343

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8





#31
Cyclohexane
Concen: 48.715 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 56 Resp: 14082

Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.0	40.6
84	84.8	71.8	107.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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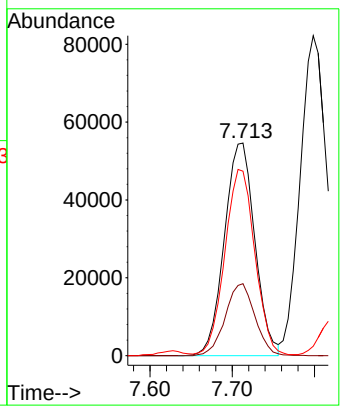
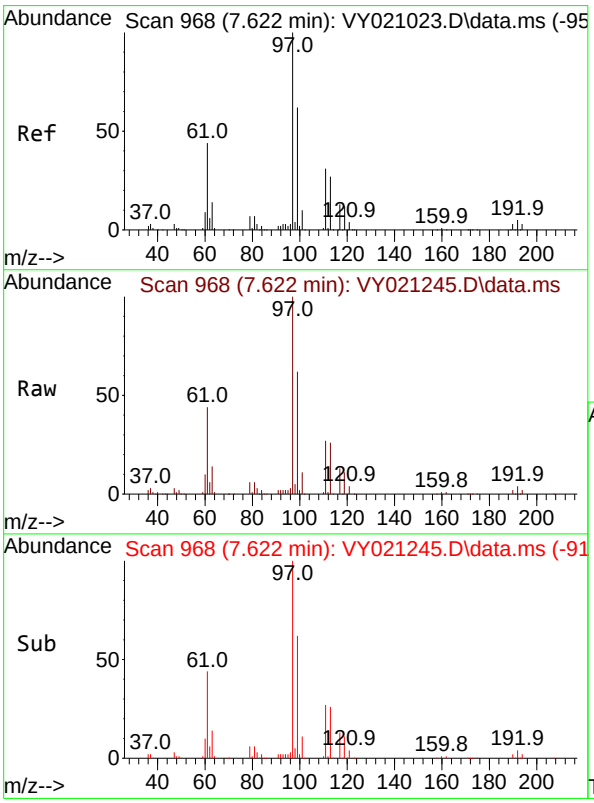
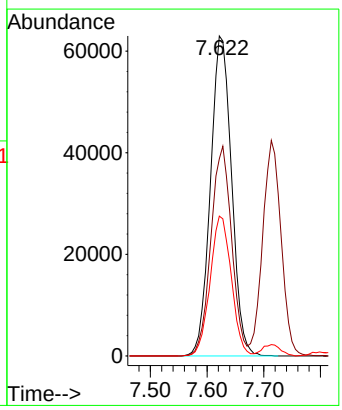


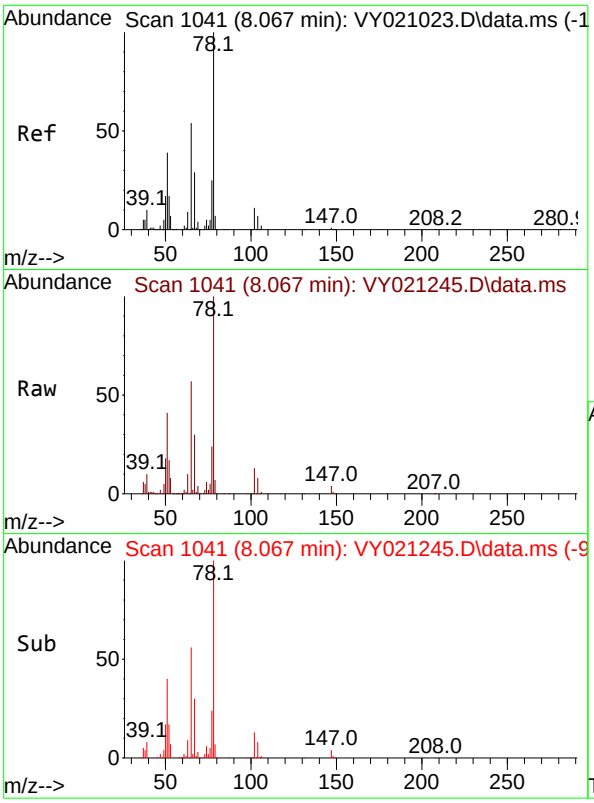


#32
1,1,1-Trichloroethane
Concen: 53.040 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 97 Resp: 162598

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	43.9	35.0	52.6





#33
1,2-Dichloroethane-d4
Concen: 51.982 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 65 Resp: 8810

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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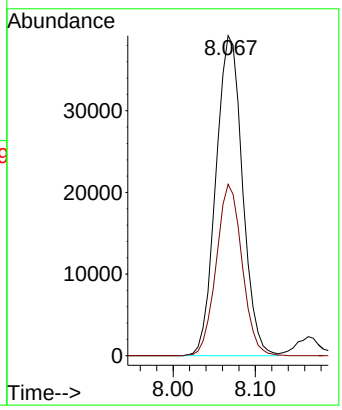
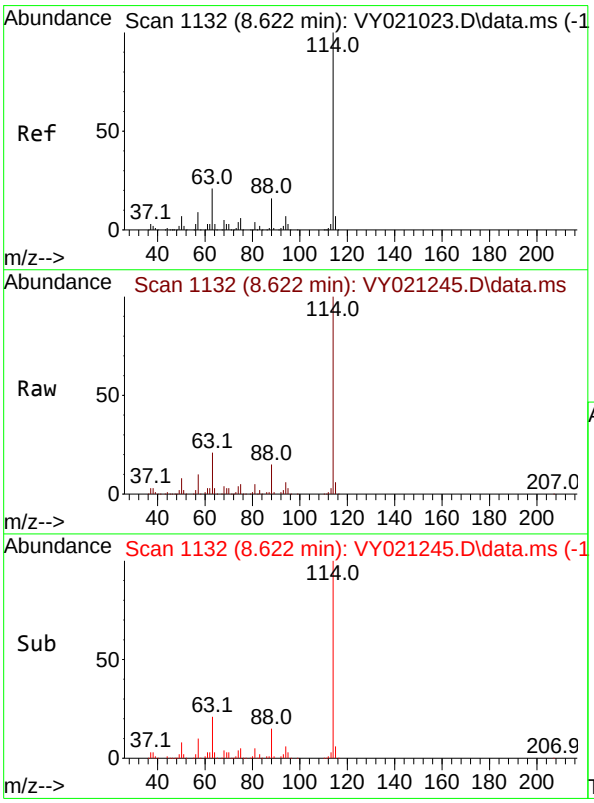
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

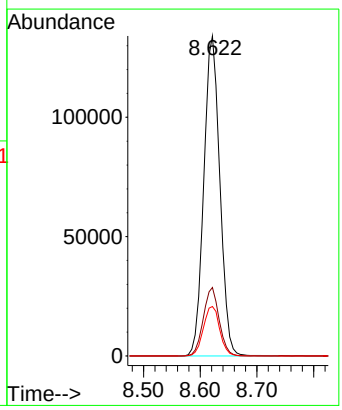


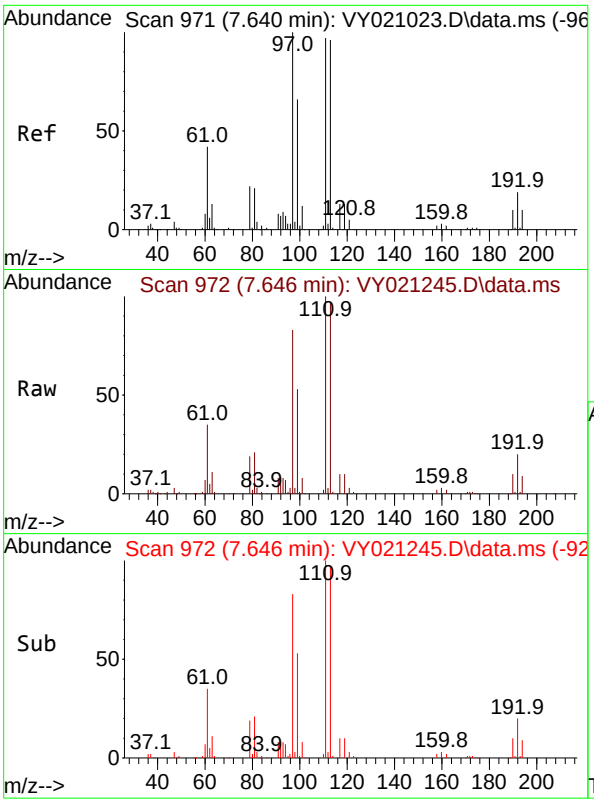


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:114 Resp: 263329

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	37.4
88	15.4	0.0	29.0

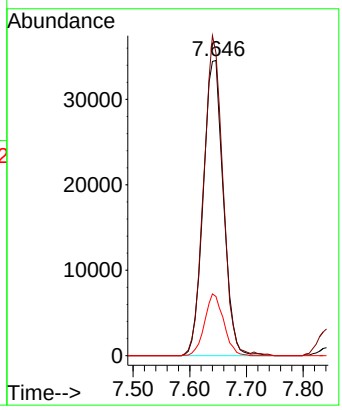




#35
Dibromofluoromethane
Concen: 50.351 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:113 Resp: 8497

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.8	125.6
192	19.9	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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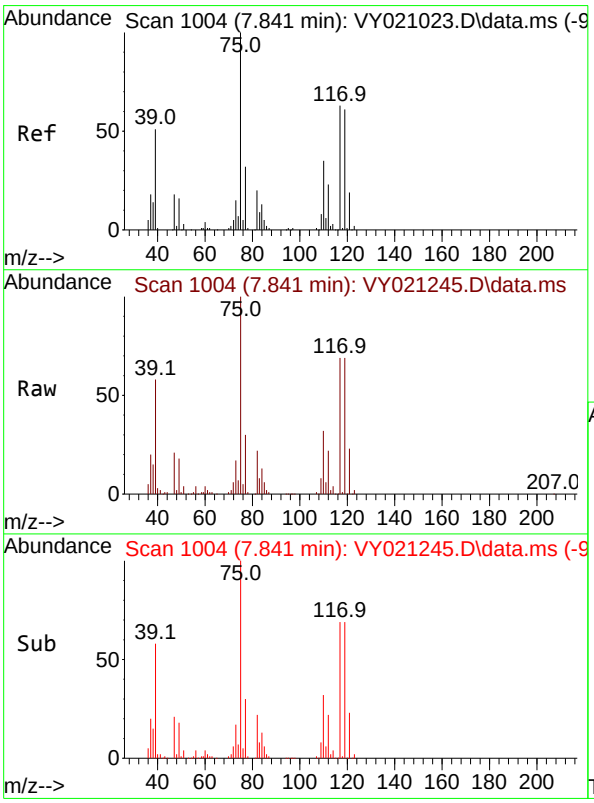
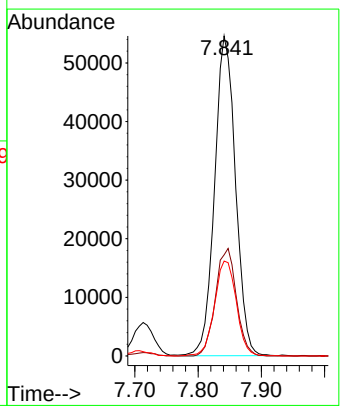
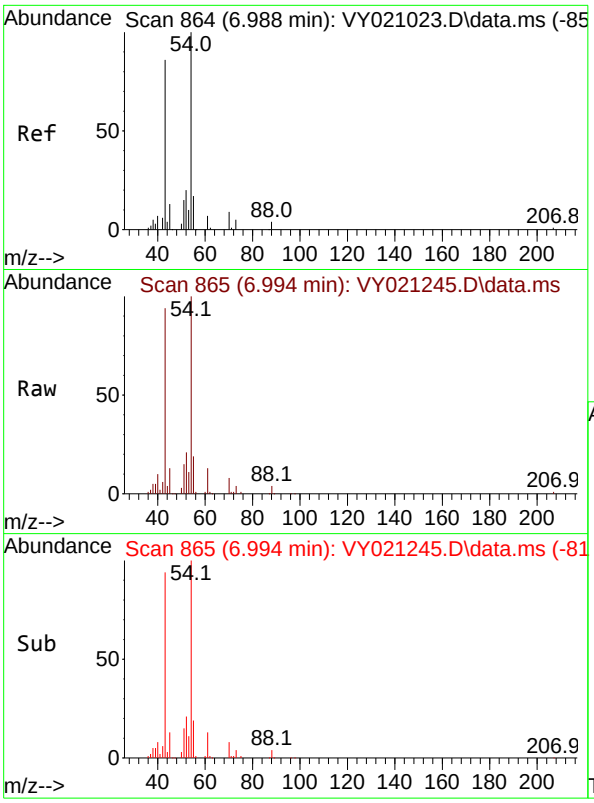


#36
1,1-Dichloropropene
Concen: 50.046 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 125097

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.4	52.3
77	31.0	24.7	37.1





#37
Ethyl Acetate
Concen: 59.007 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 6470

Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.6
70	8.9	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
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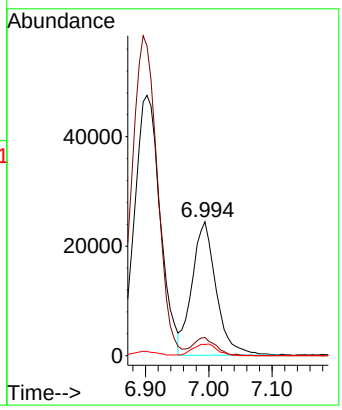
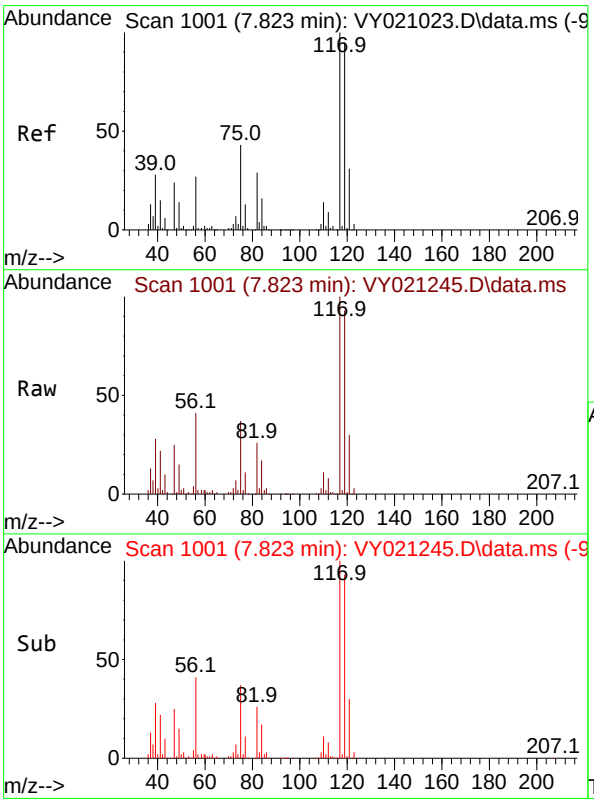
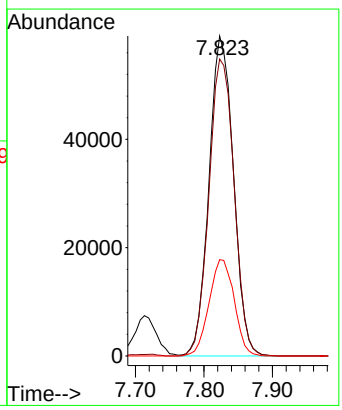


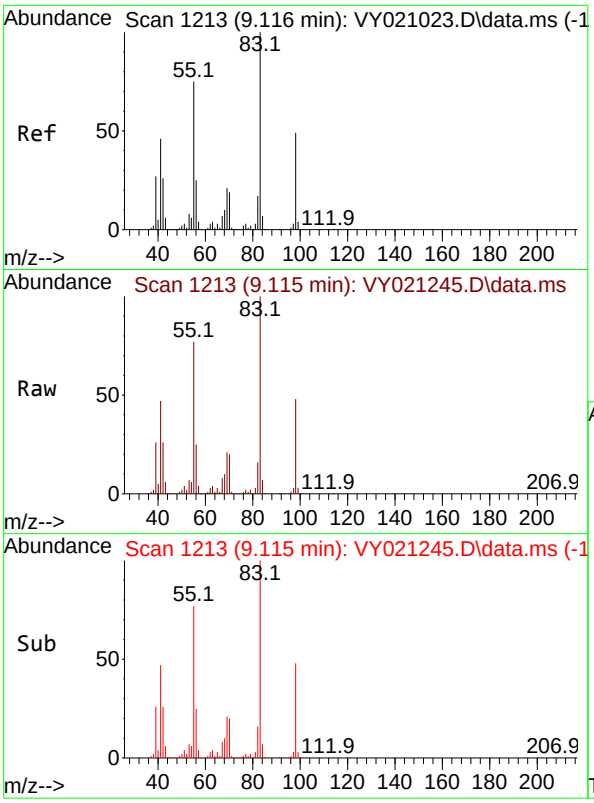


#38
Carbon Tetrachloride
Concen: 50.141 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 146445

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.0	114.0
121	30.1	24.2	36.2





#39
Methylcyclohexane
Concen: 49.660 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 15183

Ion	Ratio	Lower	Upper
83	100		
55	76.7	59.7	89.5
98	47.6	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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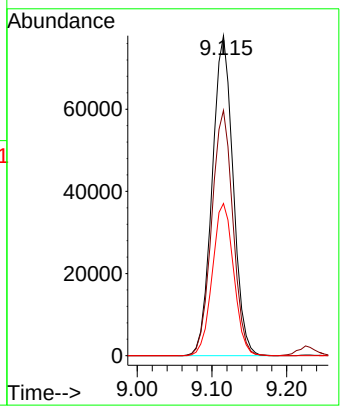
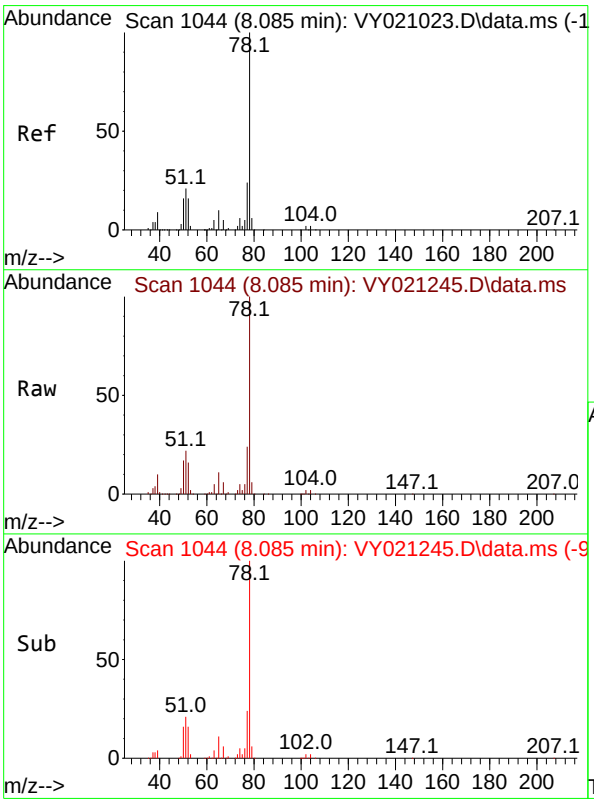
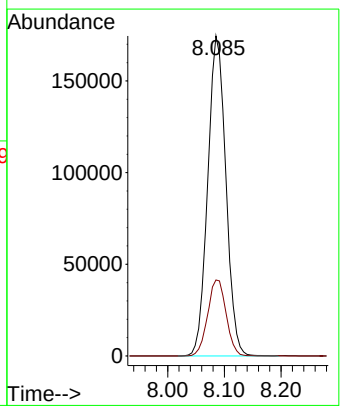


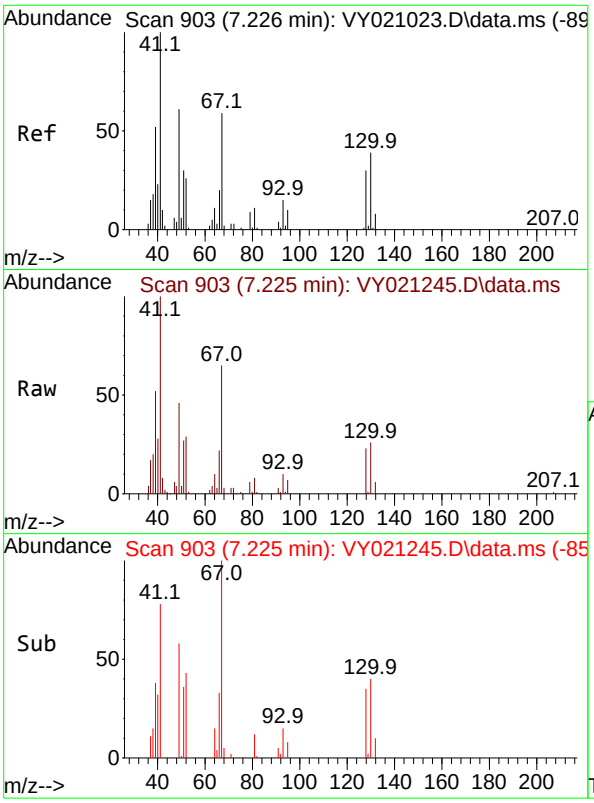


#40
Benzene
Concen: 52.834 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 78 Resp: 387558

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

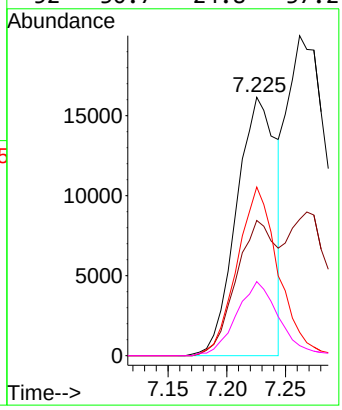




#41
Methacrylonitrile
Concen: 59.955 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 3803

Ion	Ratio	Lower	Upper
41	100		
39	52.4	41.9	62.9
67	68.3	59.8	89.6
52	30.7	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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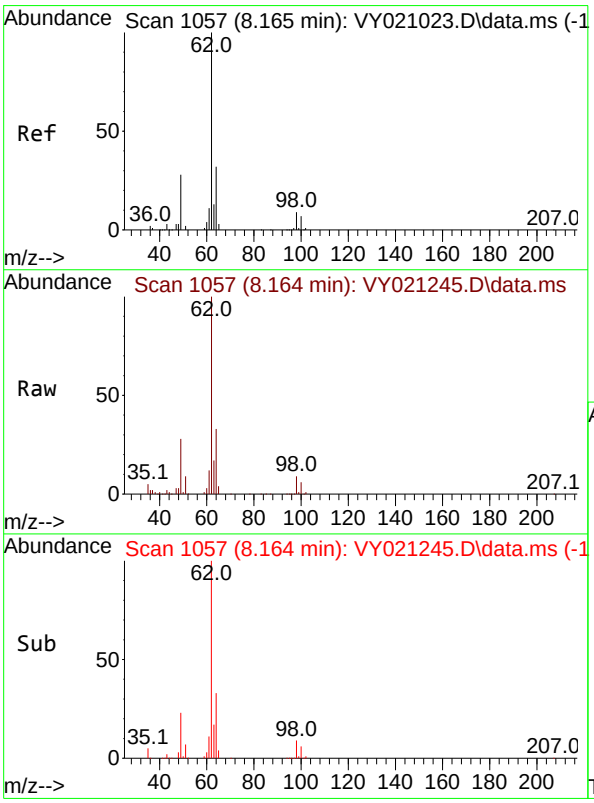
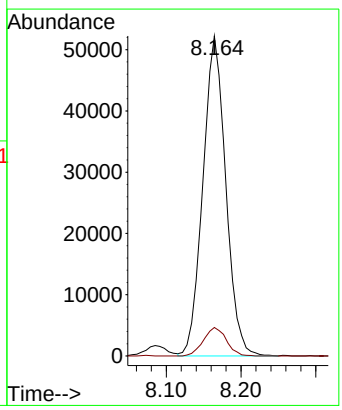
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

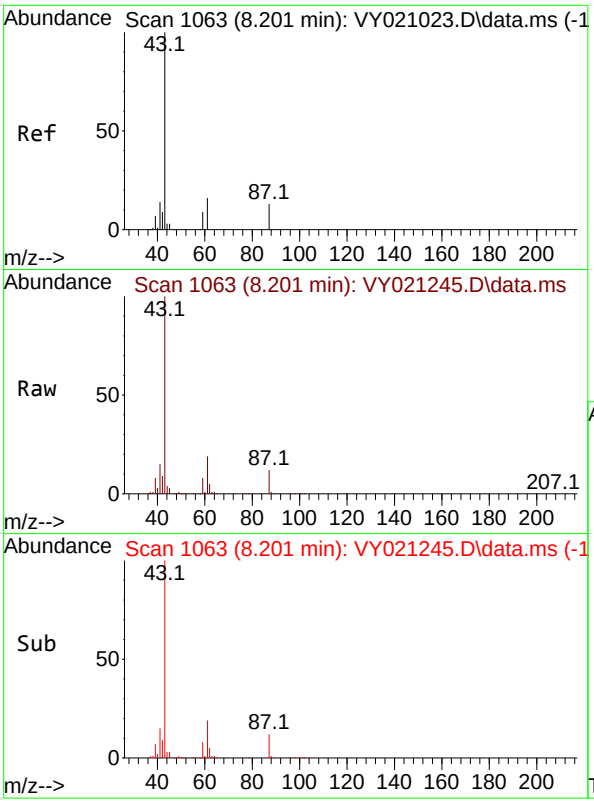


#42
1,2-Dichloroethane
Concen: 54.630 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 111164

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	20.2





#43
Isopropyl Acetate
Concen: 59.061 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 12868

Ion	Ratio	Lower	Upper
43	100		
61	28.2	24.8	37.2
87	12.3	10.7	16.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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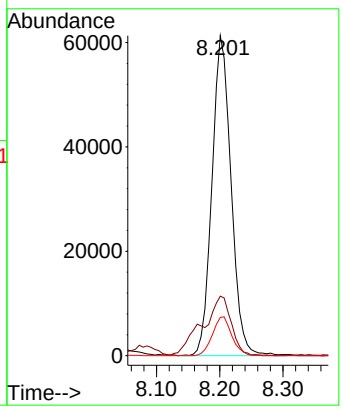
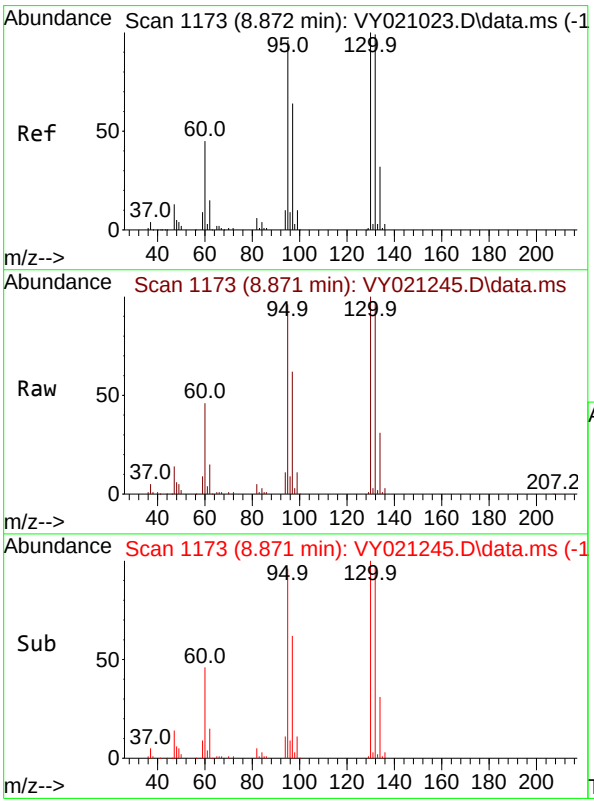
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

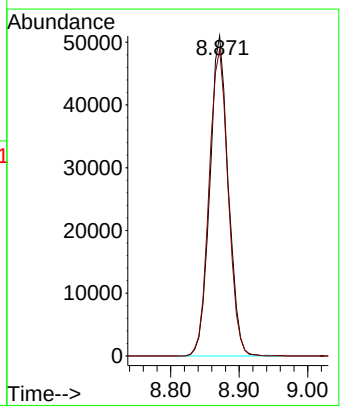


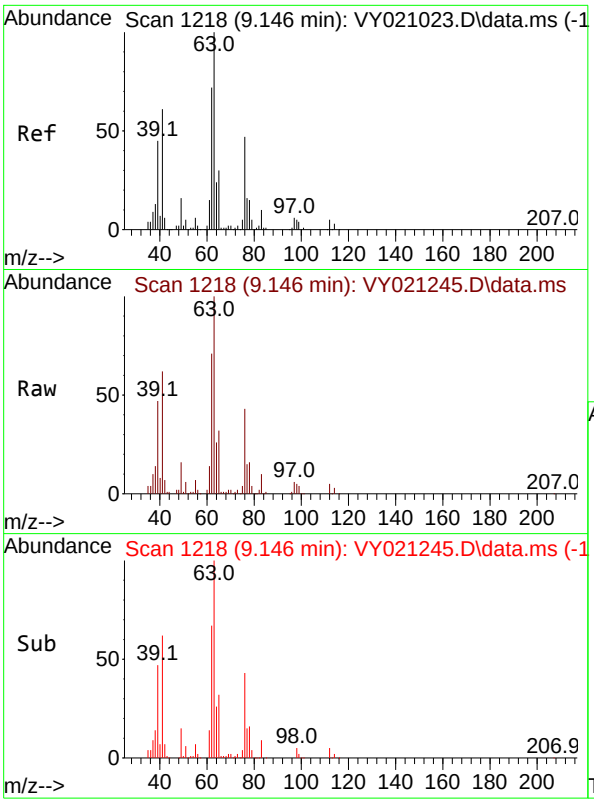


#44
Trichloroethene
Concen: 50.349 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:130 Resp: 95421

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	203.8

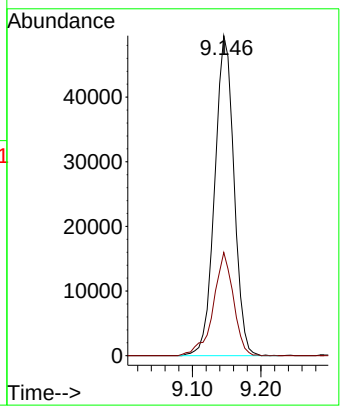




#45
1,2-Dichloropropane
Concen: 55.433 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 9651

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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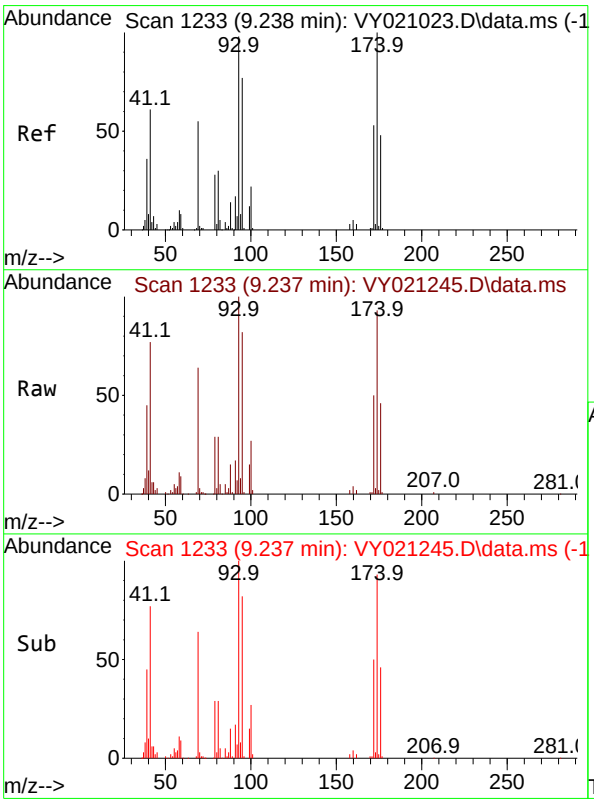
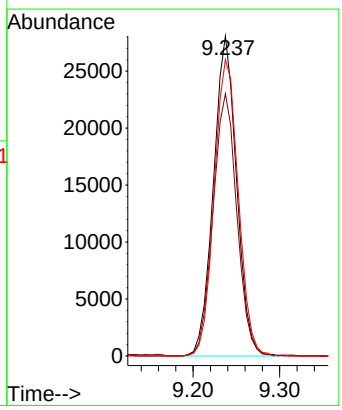
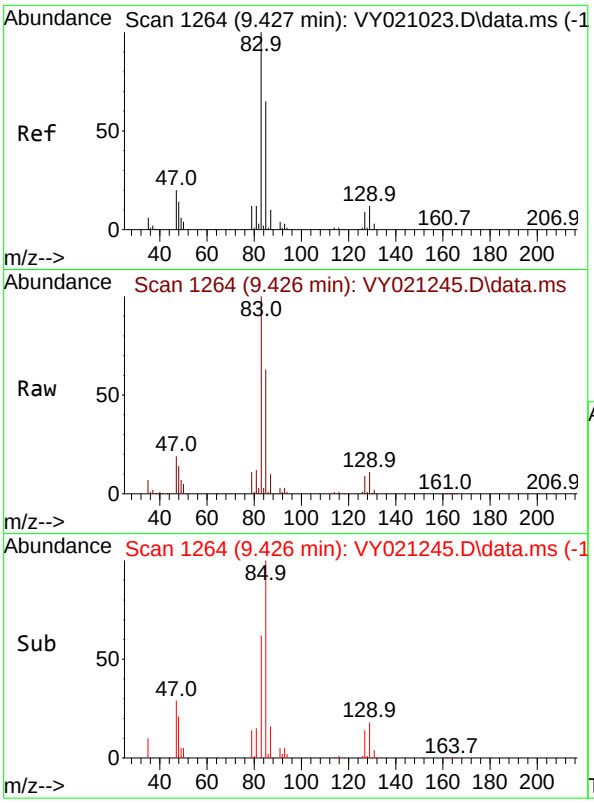


#46
Dibromomethane
Concen: 54.018 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 93 Resp: 52073

Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.6	99.8
174	96.5	73.8	110.6

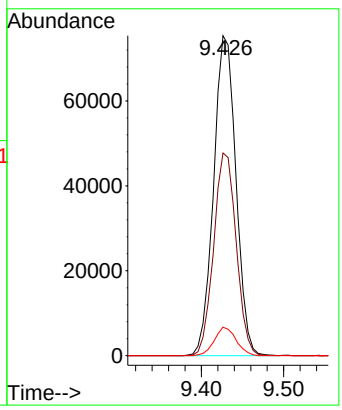




#47
Bromodichloromethane
Concen: 55.072 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 14238

Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.2	79.8
127	8.9	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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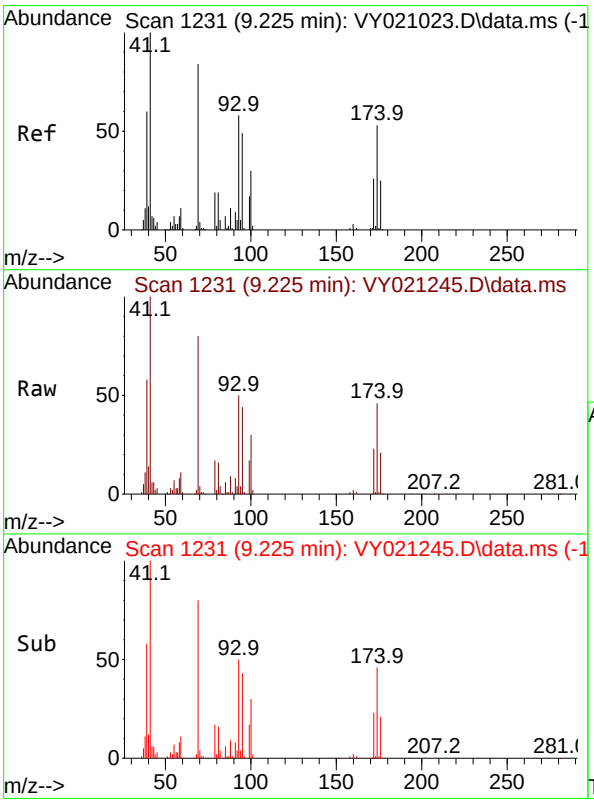
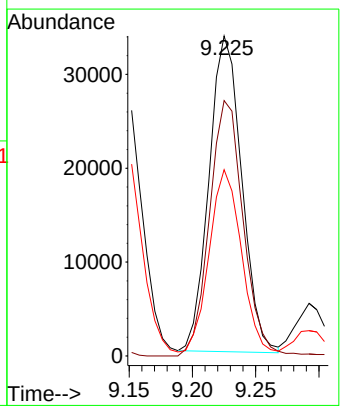
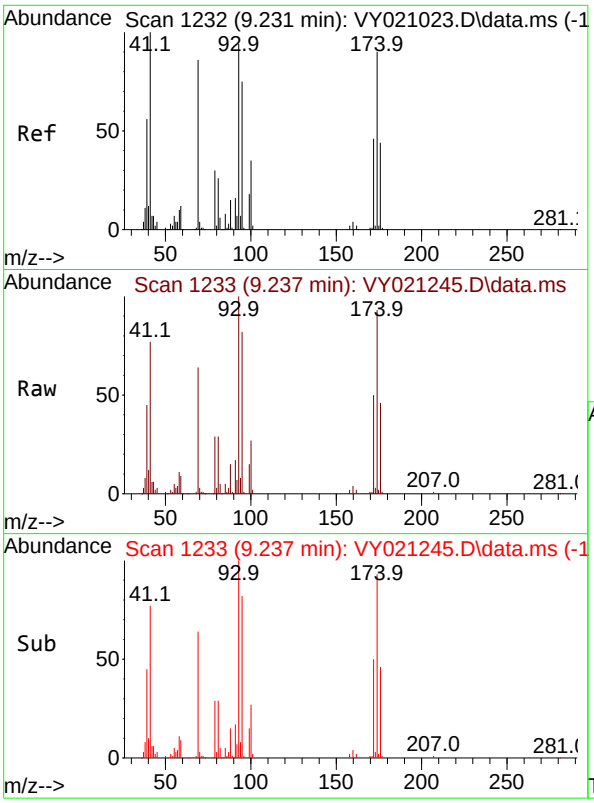


#48
Methyl methacrylate
Concen: 60.916 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 60459

Ion	Ratio	Lower	Upper
41	100		
69	84.0	72.1	108.1
39	56.6	42.8	64.2





#49
1,4-Dioxane
Concen: 1192.209 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 88 Resp: 1069

Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.2	42.4
58	75.6	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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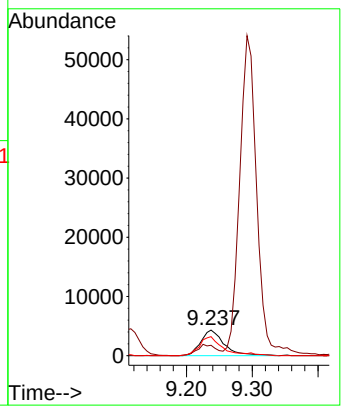
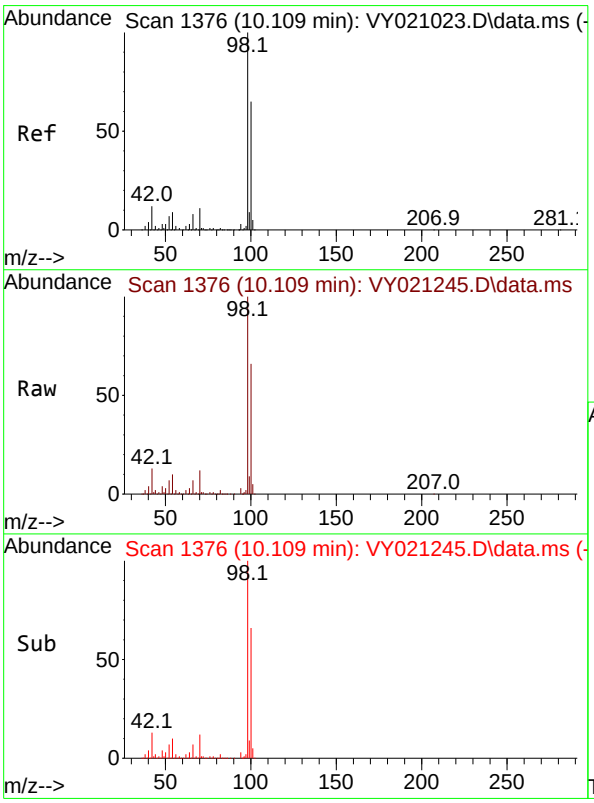
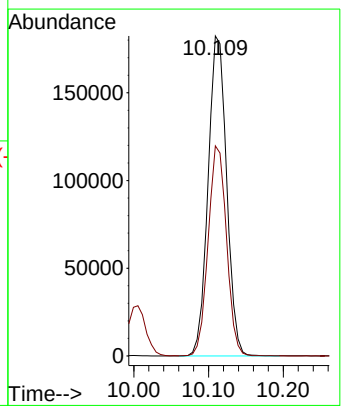


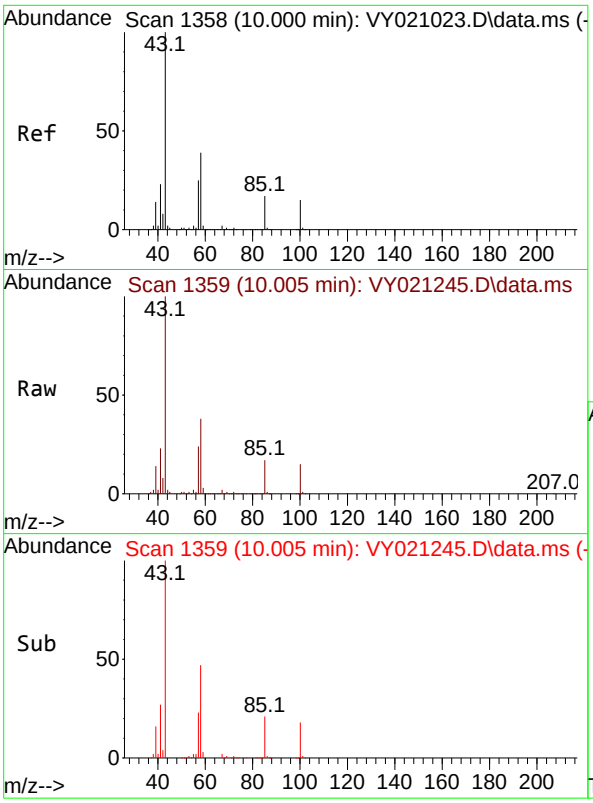


#50
Toluene-d8
Concen: 48.967 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 98 Resp: 314603

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

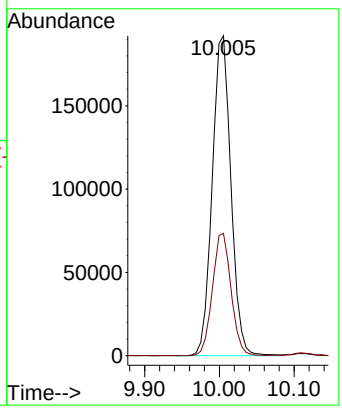




#51
4-Methyl-2-Pentanone
Concen: 305.302 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 33451

Ion	Ratio	Lower	Upper
43	100		
58	38.2	32.2	48.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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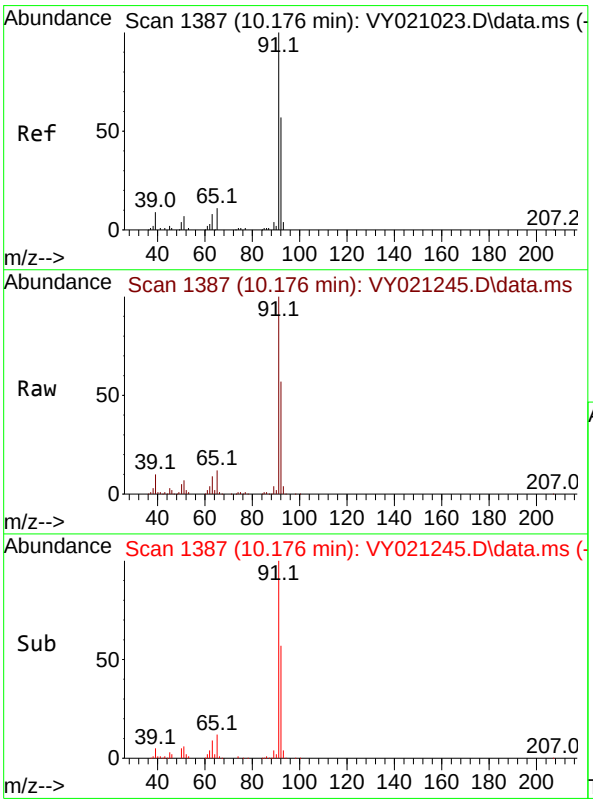
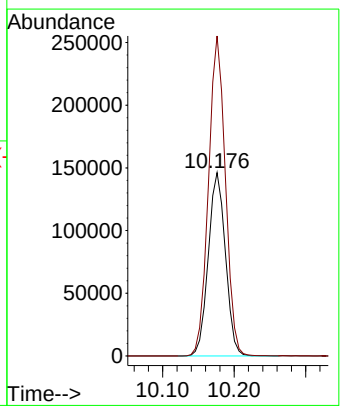
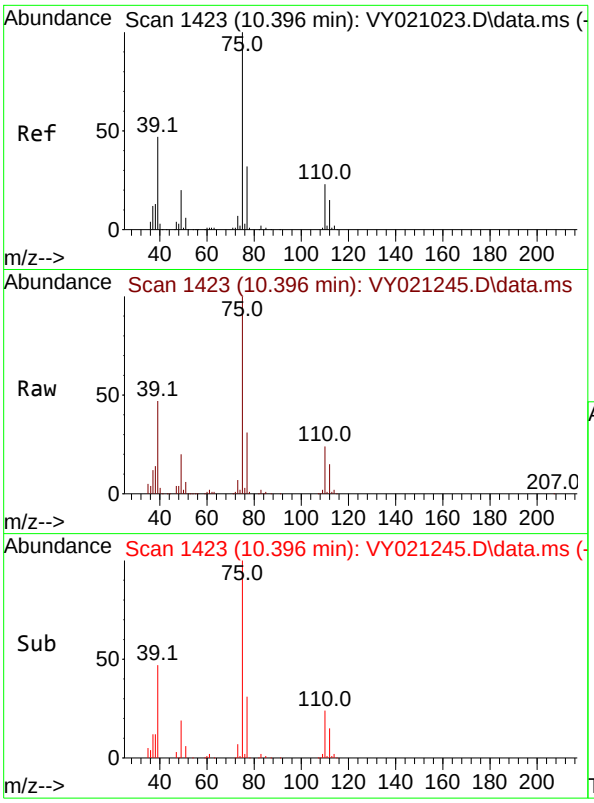


#52
Toluene
Concen: 52.845 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 92 Resp: 243403

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.6	206.4





#53
t-1,3-Dichloropropene
Concen: 56.333 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 13077

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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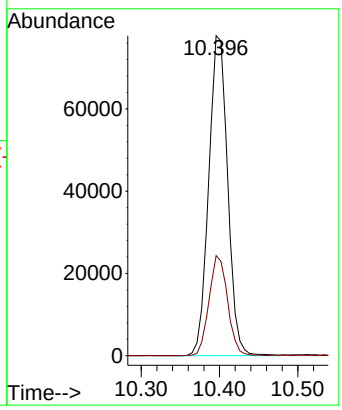
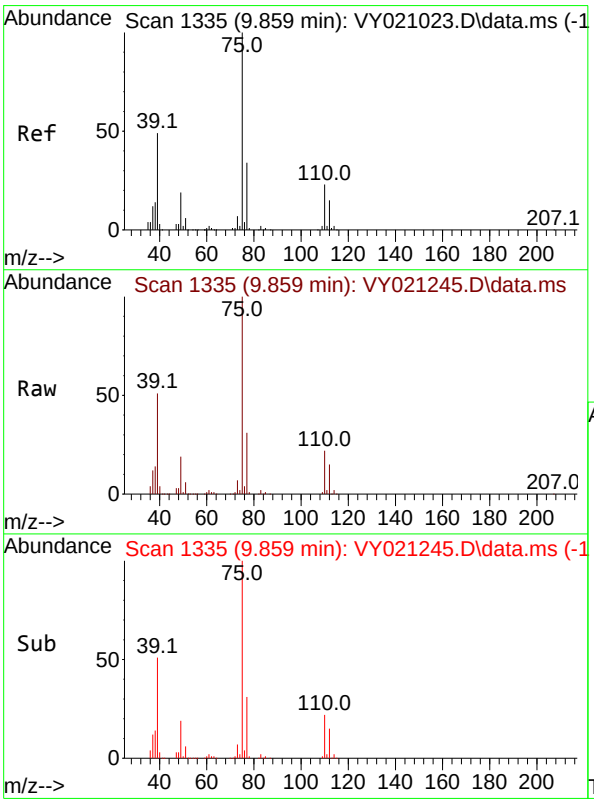
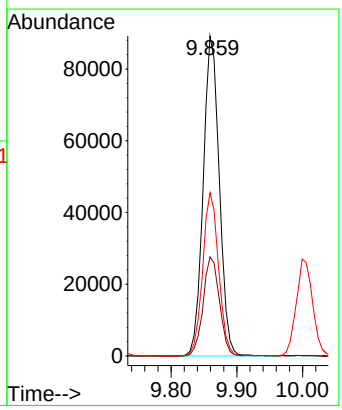


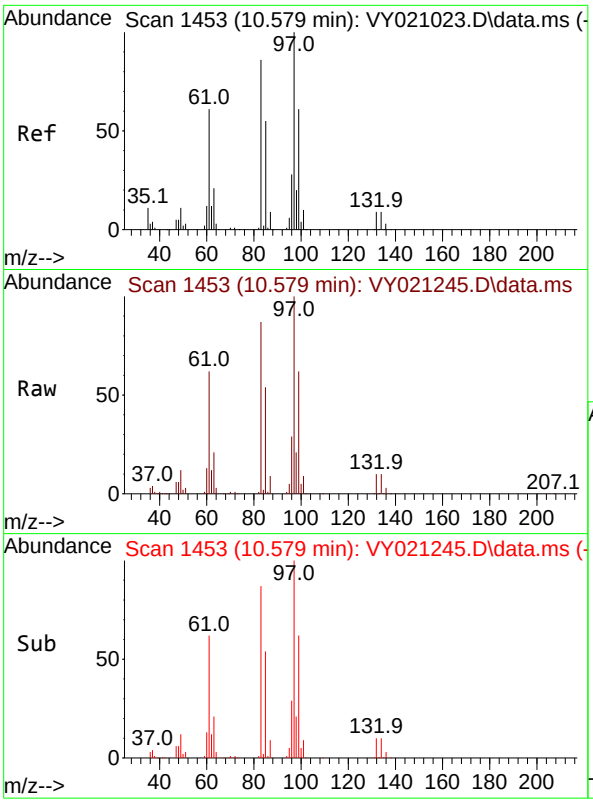


#54
cis-1,3-Dichloropropene
Concen: 55.321 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 152060

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	50.9	33.6	50.4#

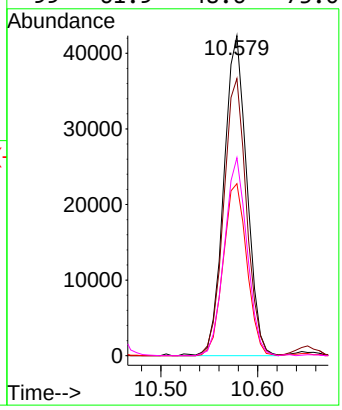




#55
1,1,2-Trichloroethane
Concen: 55.990 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 97 Resp: 6989

Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.4	104.2
85	53.8	43.9	65.9
99	61.9	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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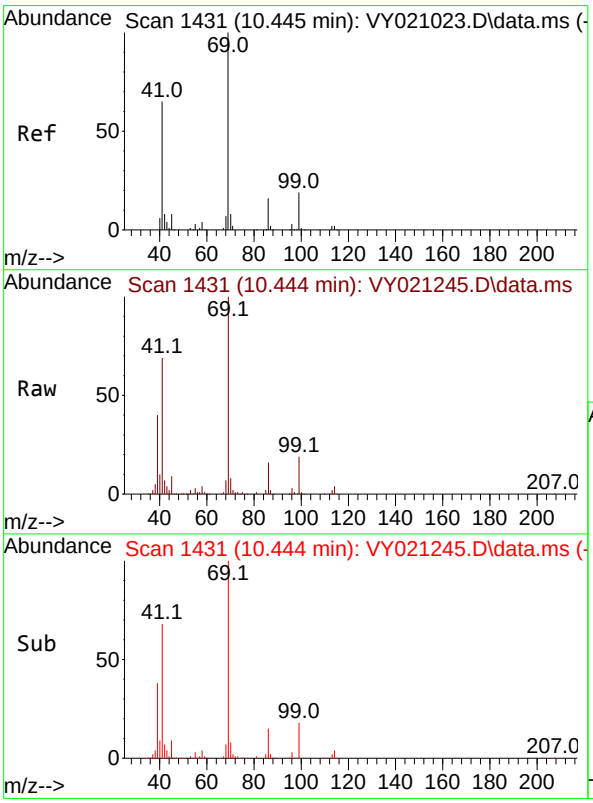
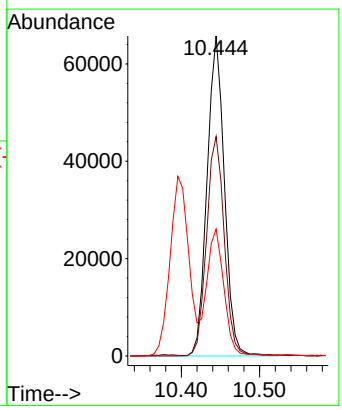
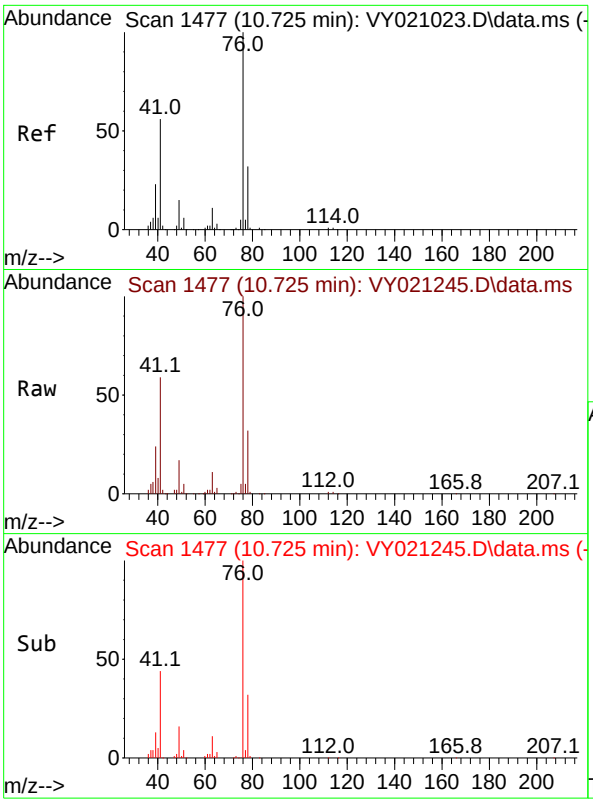


#56
Ethyl methacrylate
Concen: 60.418 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 69 Resp: 100897

Ion	Ratio	Lower	Upper
69	100		
41	70.9	49.2	73.8
39	39.5	26.8	40.2





#57
1,3-Dichloropropane
Concen: 56.213 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 76 Resp: 12145

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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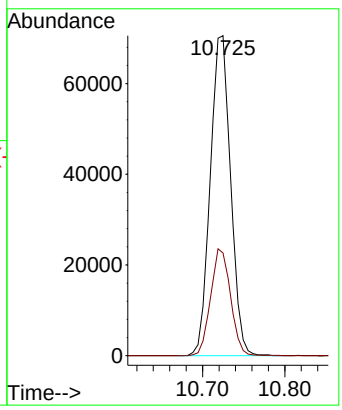
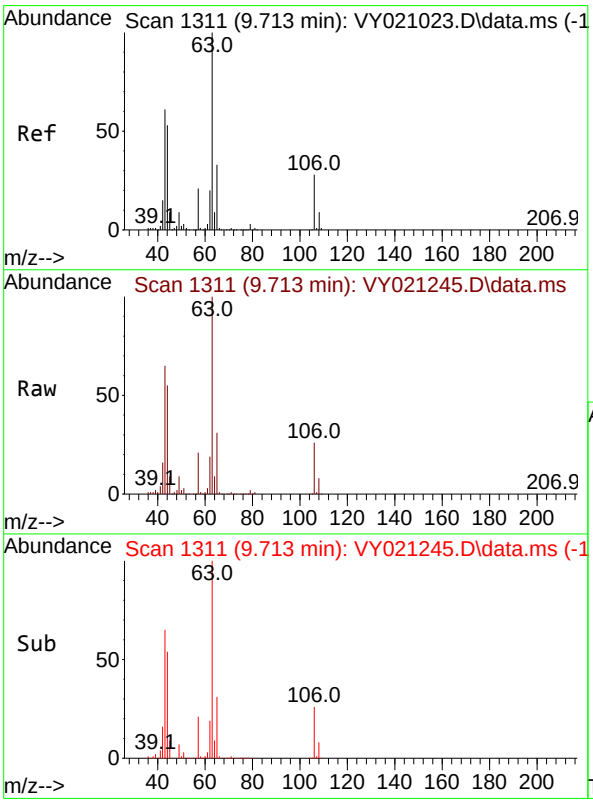
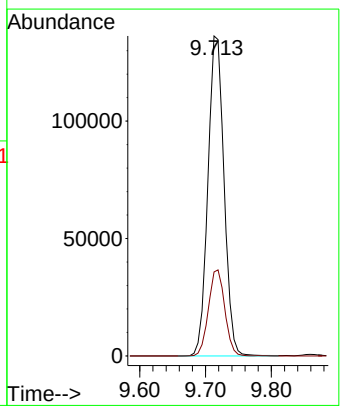


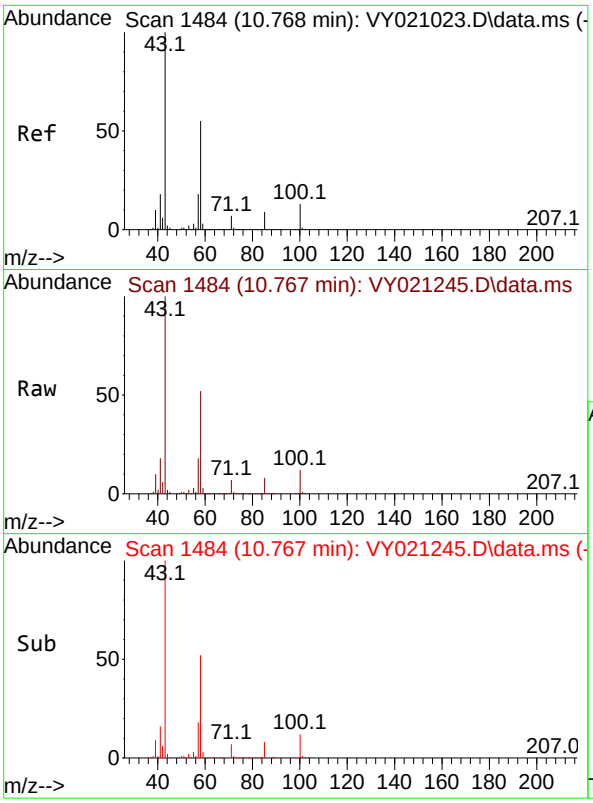


#58
2-Chloroethyl Vinyl ether
Concen: 292.814 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 232635

Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.4	33.6

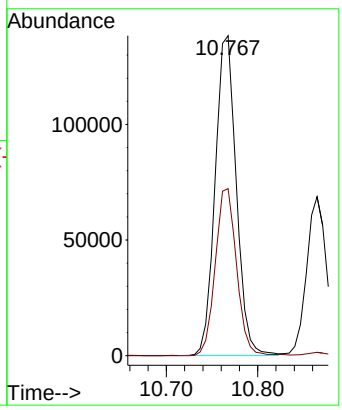




#59
2-Hexanone
Concen: 315.458 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 22254

Ion	Ratio	Lower	Upper
43	100		
58	52.7	28.1	84.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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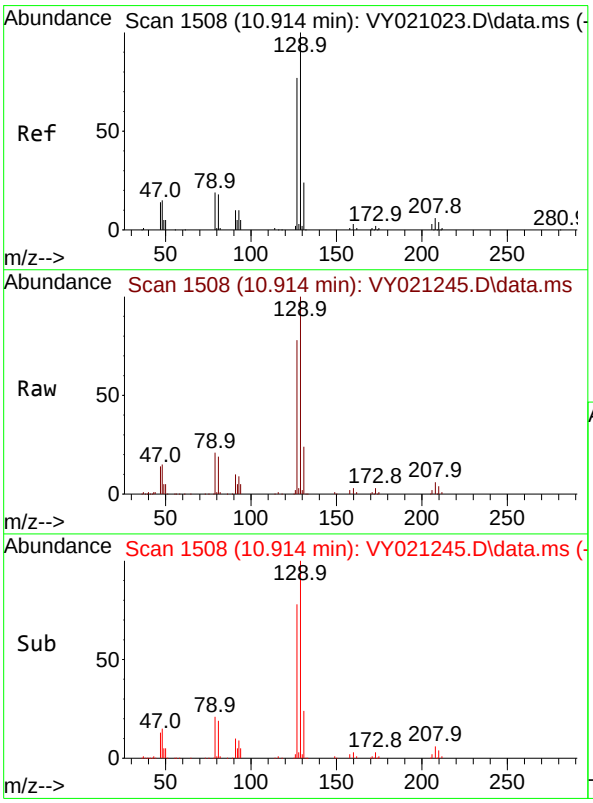
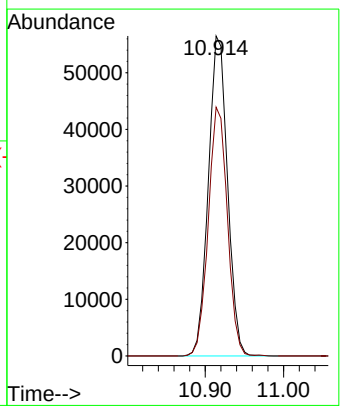
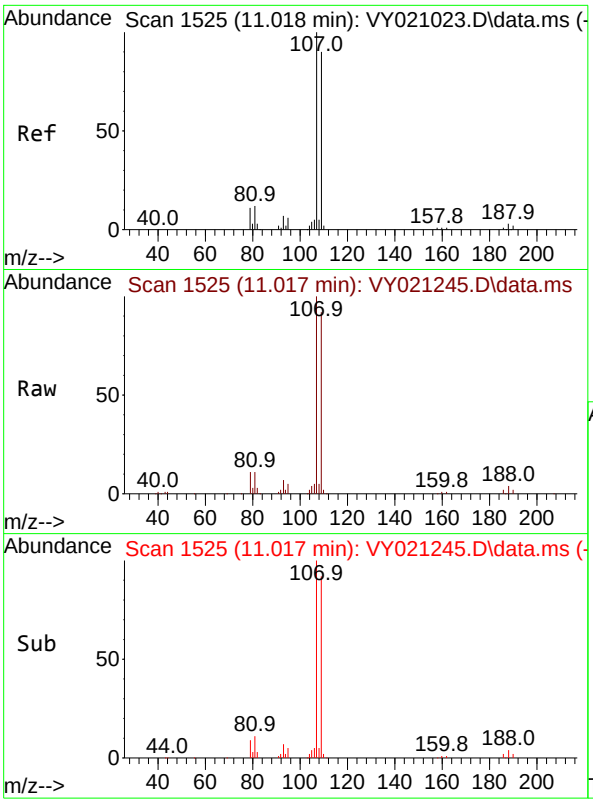


#60
Dibromochloromethane
Concen: 54.651 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:129 Resp: 95808

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.2	117.6

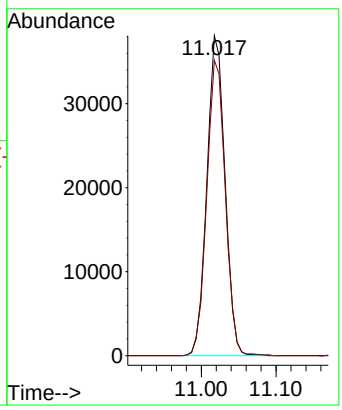




#61
1,2-Dibromoethane
Concen: 54.863 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:107 Resp: 6415

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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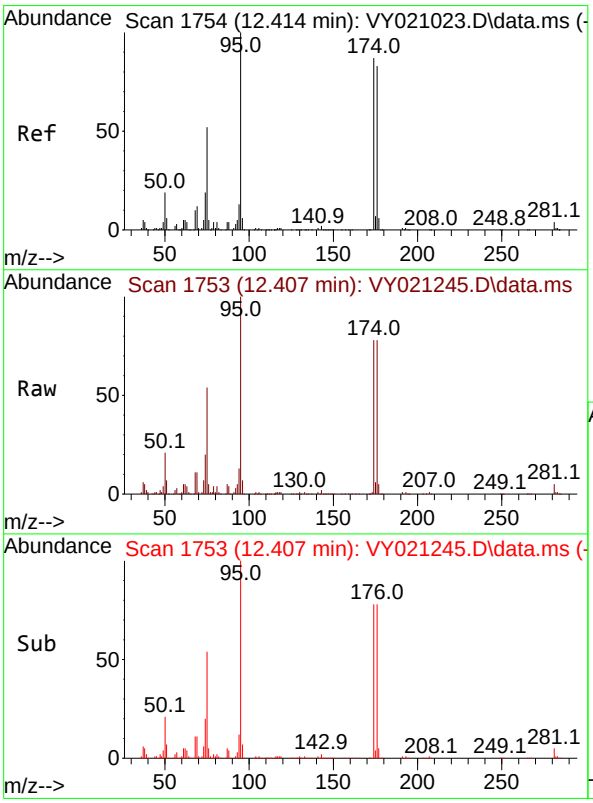
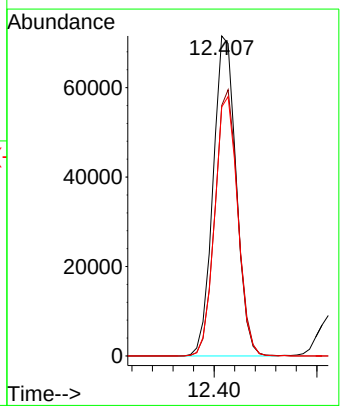
Supervised By :Mahesh Dadoda 02/20/2025

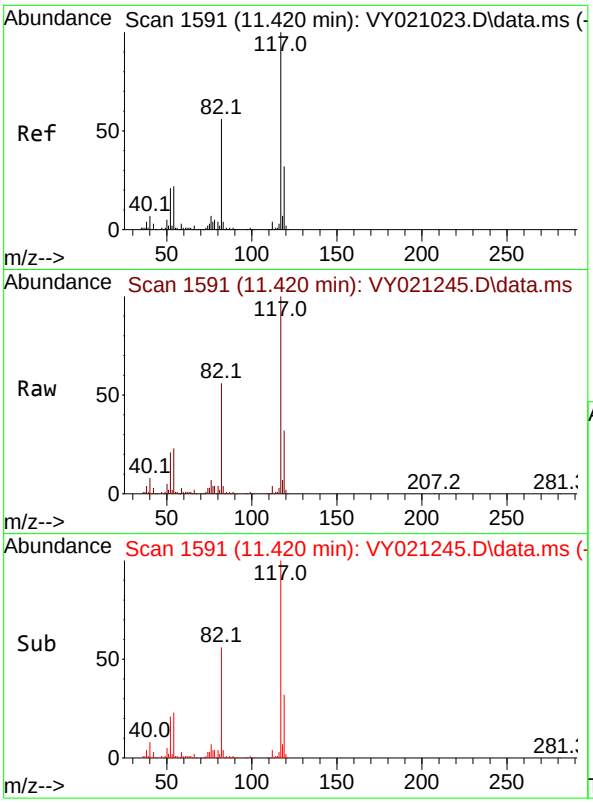


#62
4-Bromofluorobenzene
Concen: 53.035 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 95 Resp: 111317

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	160.0
176	80.7	0.0	151.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 22975

Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.8	65.8
119	32.5	26.5	39.7

Instrument :
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ClientSampleId :
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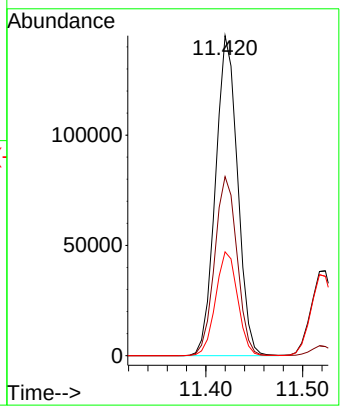
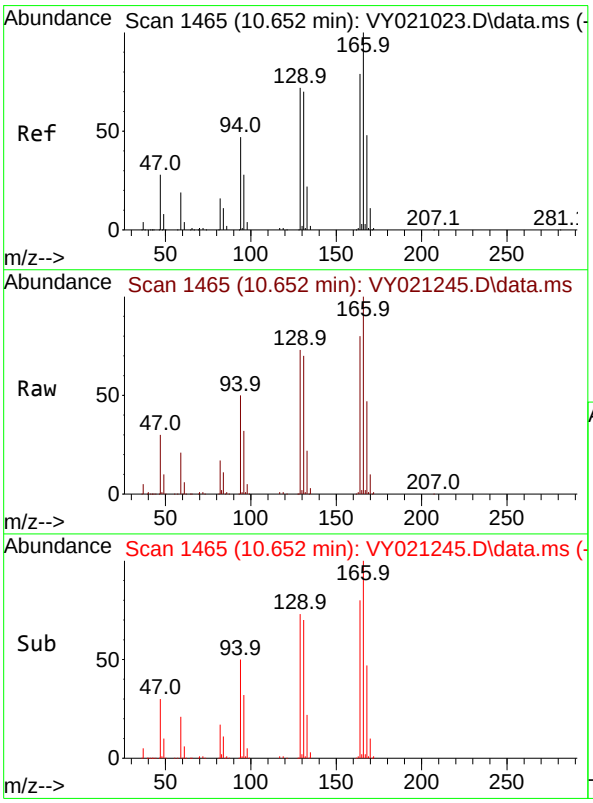
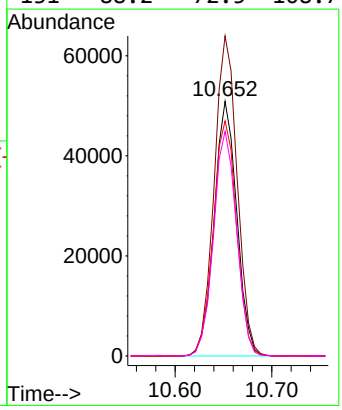


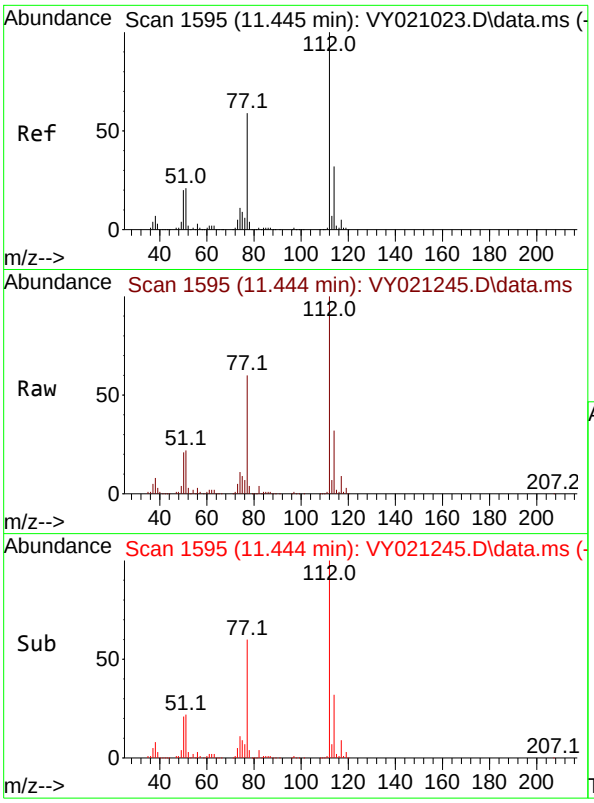


#64
Tetrachloroethene
Concen: 48.585 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:164 Resp: 82866

Ion	Ratio	Lower	Upper
164	100		
166	125.7	98.8	148.2
129	92.3	78.9	118.3
131	88.2	72.5	108.7

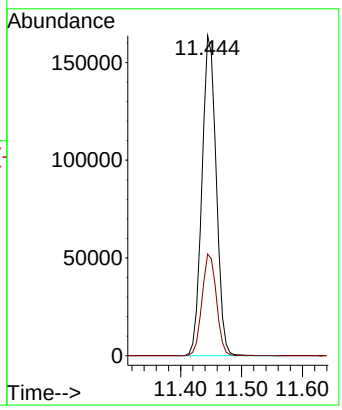




#65
Chlorobenzene
Concen: 52.099 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:112 Resp: 26653

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.1	39.1



Instrument :
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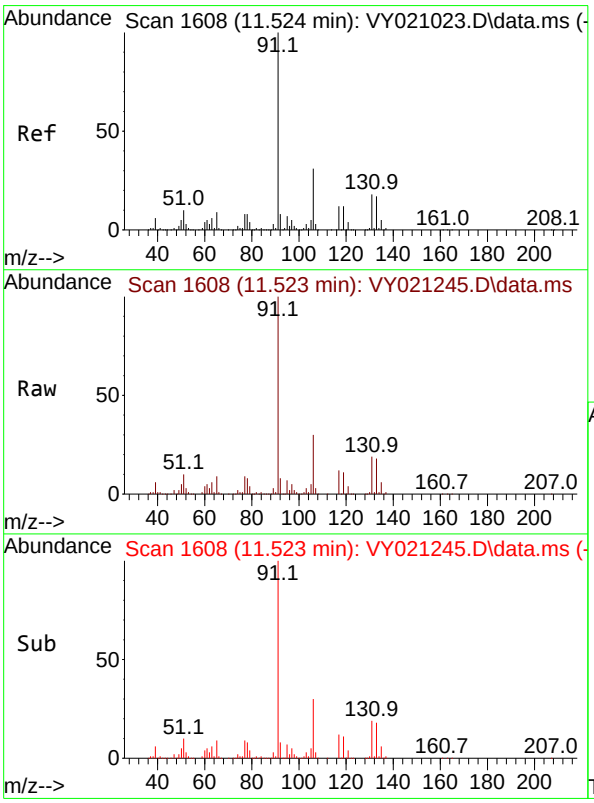
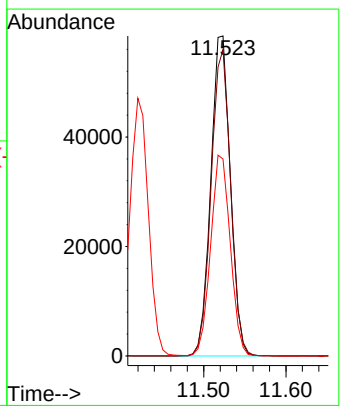
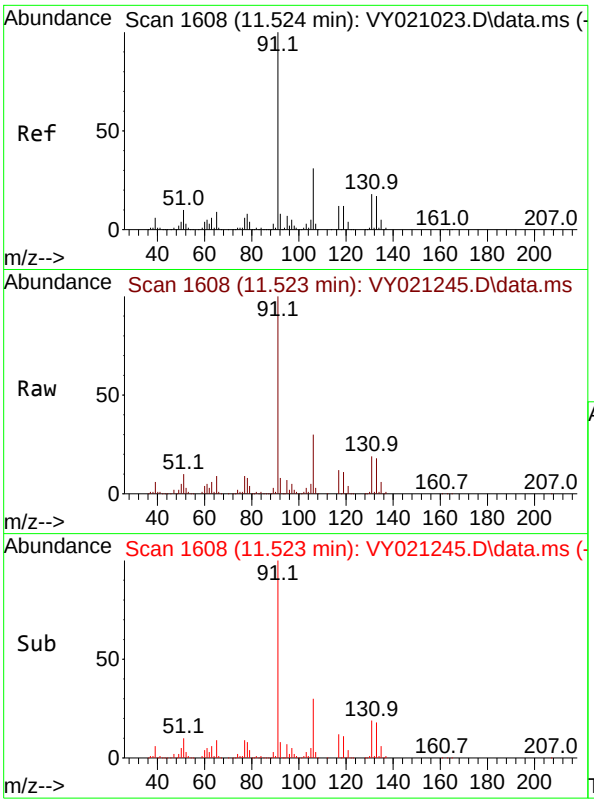


#66
1,1,1,2-Tetrachloroethane
Concen: 53.372 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:131 Resp: 97033

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.0	141.0
119	63.1	33.3	99.9

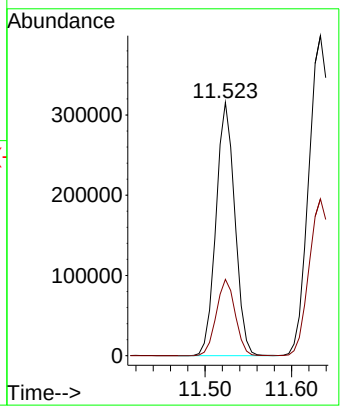




#67
Ethyl Benzene
Concen: 52.665 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 47655

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4



Instrument :
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ClientSampleId :
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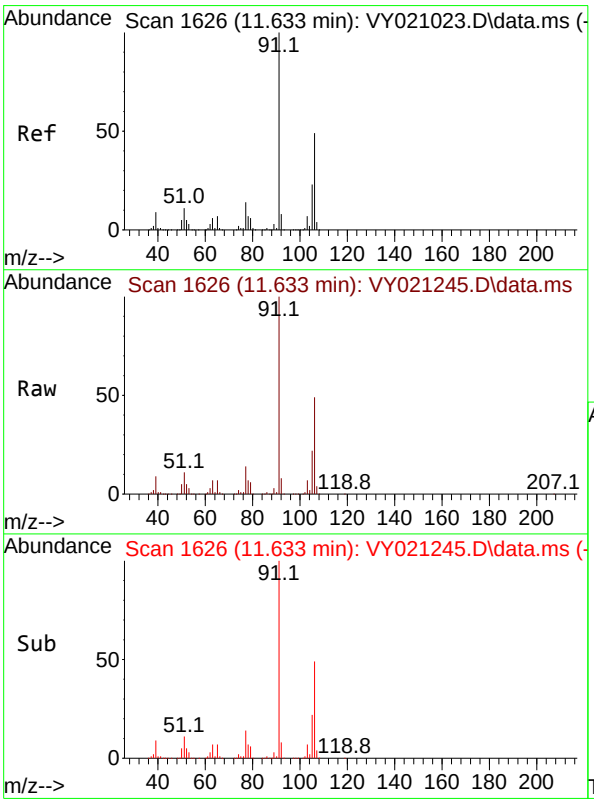
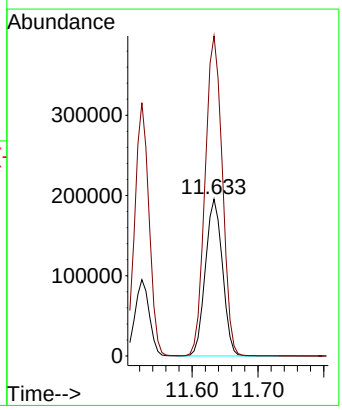
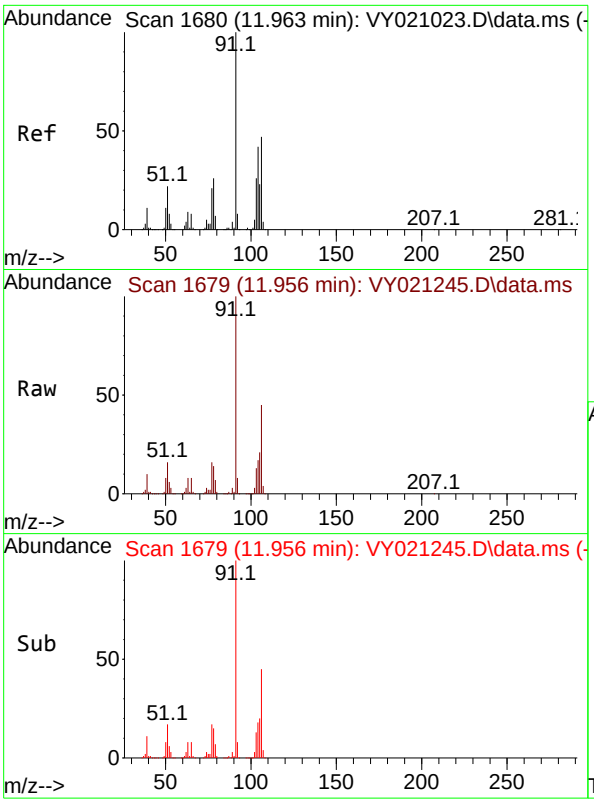


#68
m/p-Xylenes
Concen: 104.209 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:106 Resp: 352761

Ion	Ratio	Lower	Upper
106	100		
91	206.4	160.7	241.1

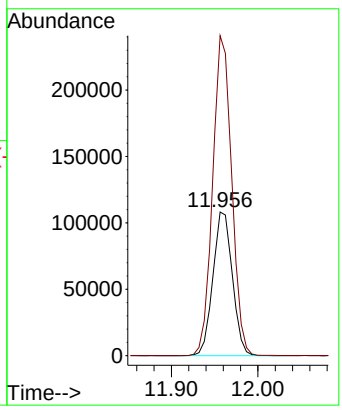




#69
o-Xylene
Concen: 53.429 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:106 Resp: 16862

Ion	Ratio	Lower	Upper
106	100		
91	218.2	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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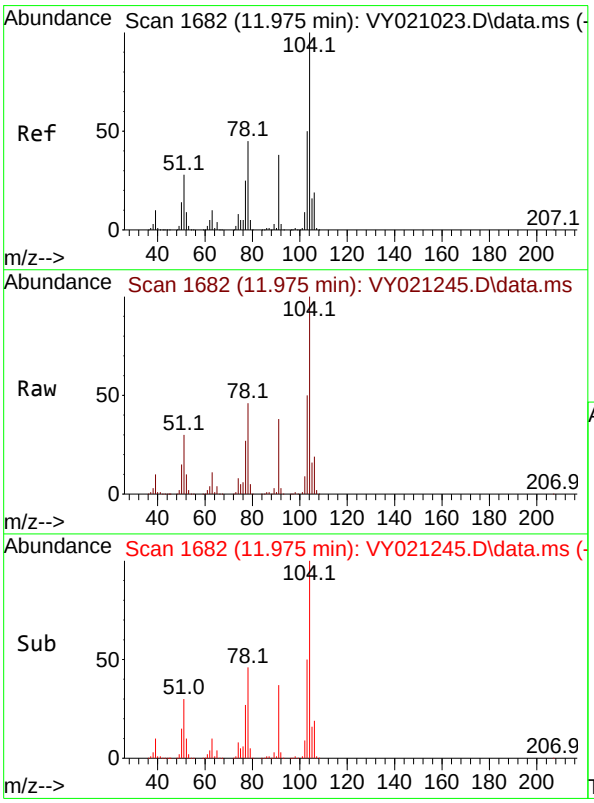
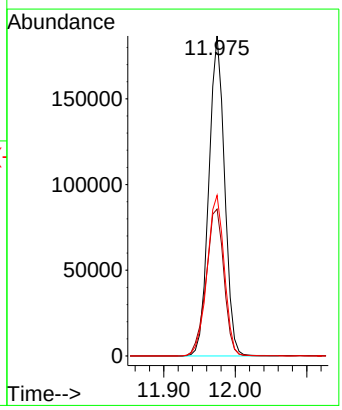
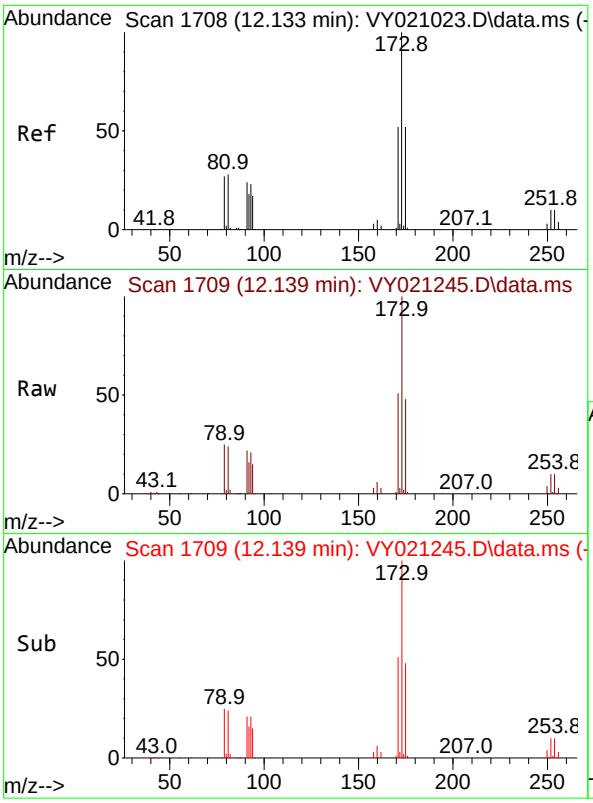


#70
Styrene
Concen: 54.365 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:104 Resp: 285969

Ion	Ratio	Lower	Upper
104	100		
78	51.9	39.2	58.8
103	54.7	43.8	65.6

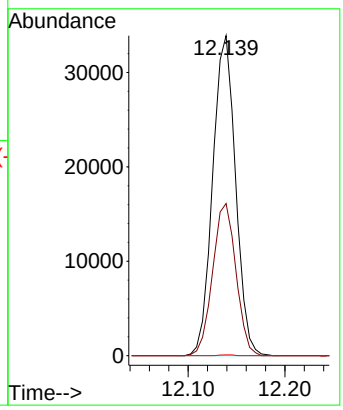




#71
Bromoform
Concen: 54.936 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:173 Resp: 5559

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.5	70.6
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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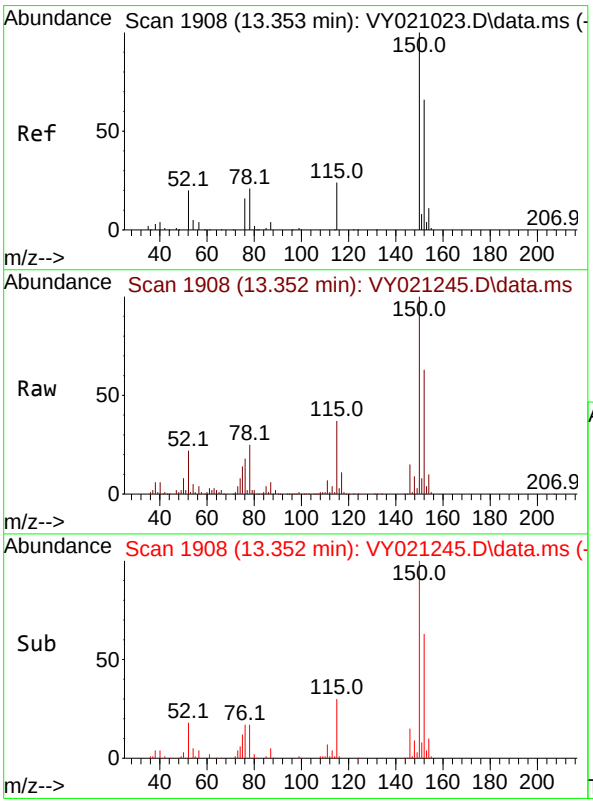
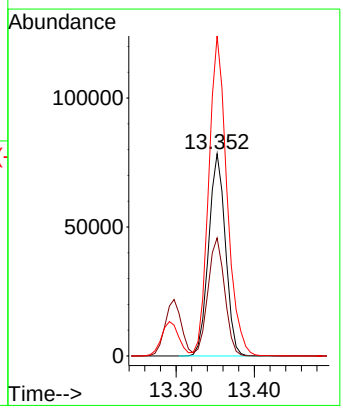
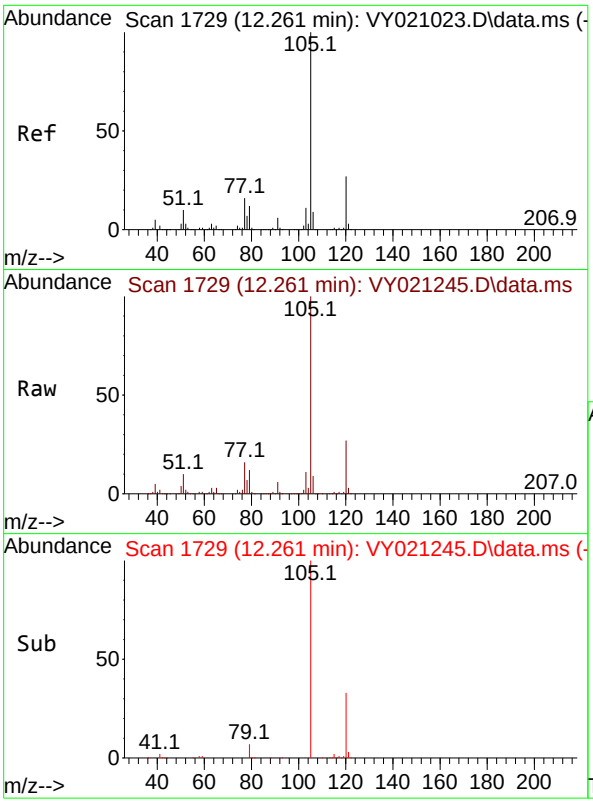


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:152 Resp: 116229

Ion	Ratio	Lower	Upper
152	100		
115	58.4	30.0	90.0
150	172.9	0.0	344.6

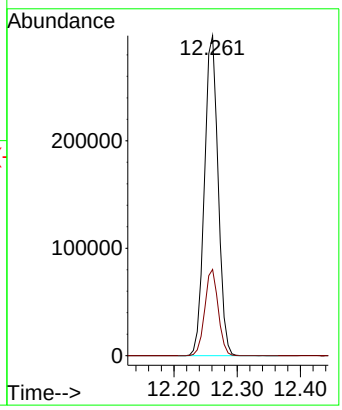




#73
Isopropylbenzene
Concen: 49.326 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 44783

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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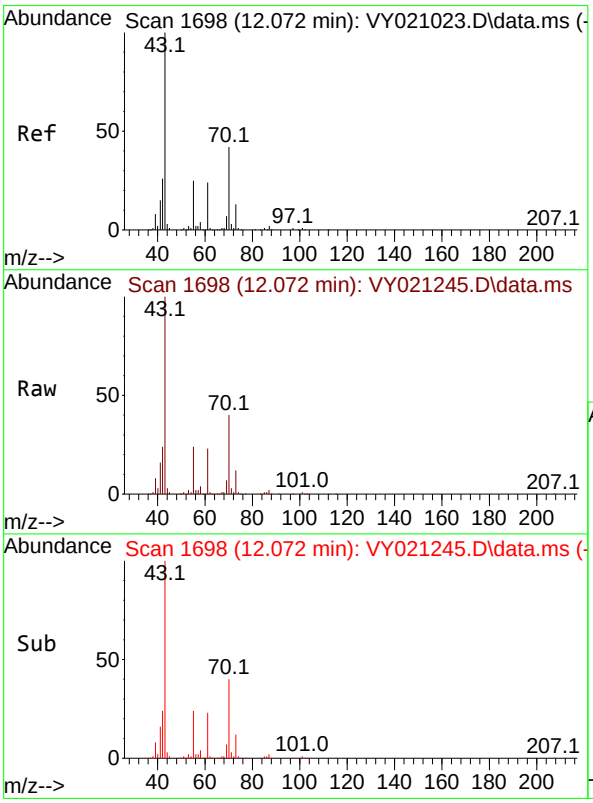
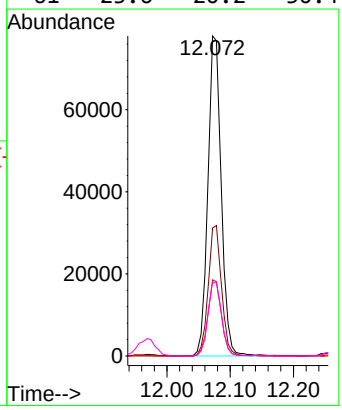
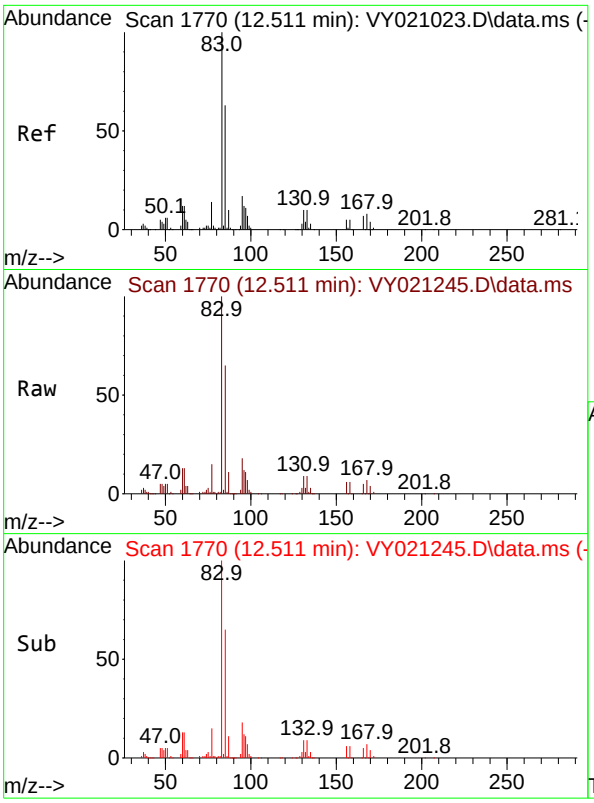


#74
N-amyl acetate
Concen: 57.796 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 114723

Ion	Ratio	Lower	Upper
43	100		
70	40.6	36.6	55.0
55	24.2	22.2	33.4
61	23.6	20.2	30.4

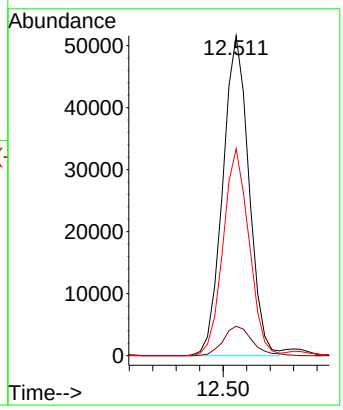




#75
1,1,2,2-Tetrachloroethane
Concen: 52.644 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 7949

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	64.2	32.6	98.0



Instrument :
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ClientSampleId :
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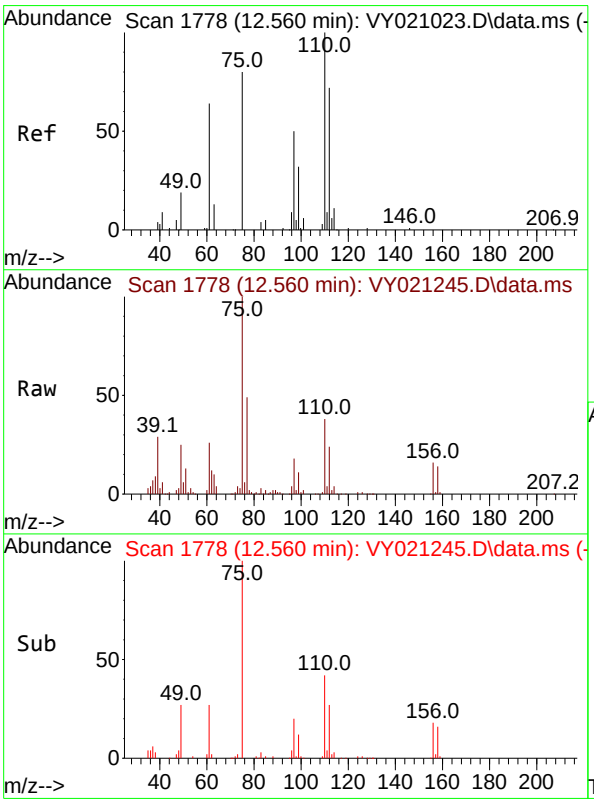
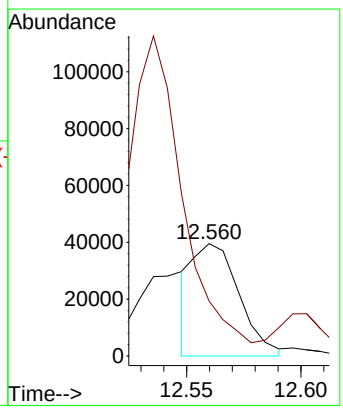
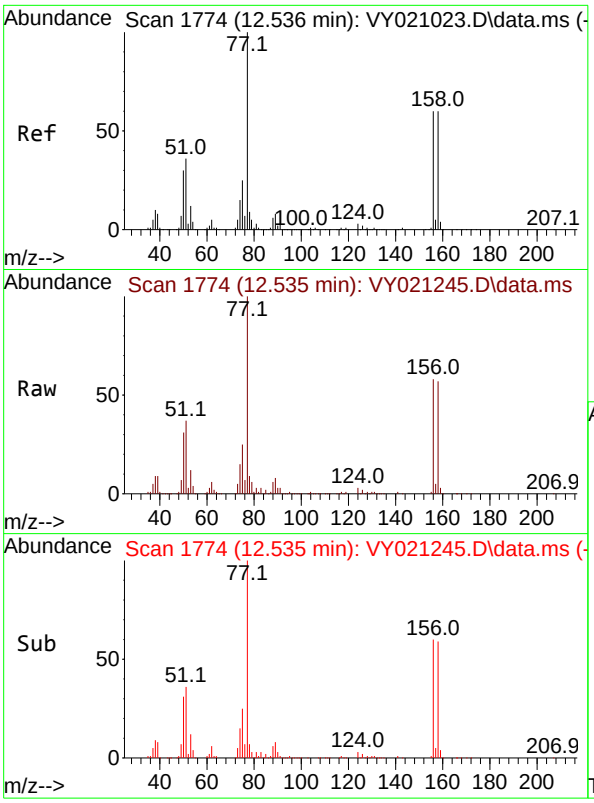


#76
1,2,3-Trichloropropane
Concen: 53.308 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 56205

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

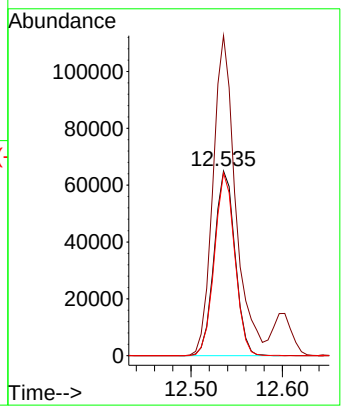




#77
Bromobenzene
Concen: 49.169 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:156 Resp: 10301

Ion	Ratio	Lower	Upper
156	100		
77	186.9	97.3	291.8
158	96.5	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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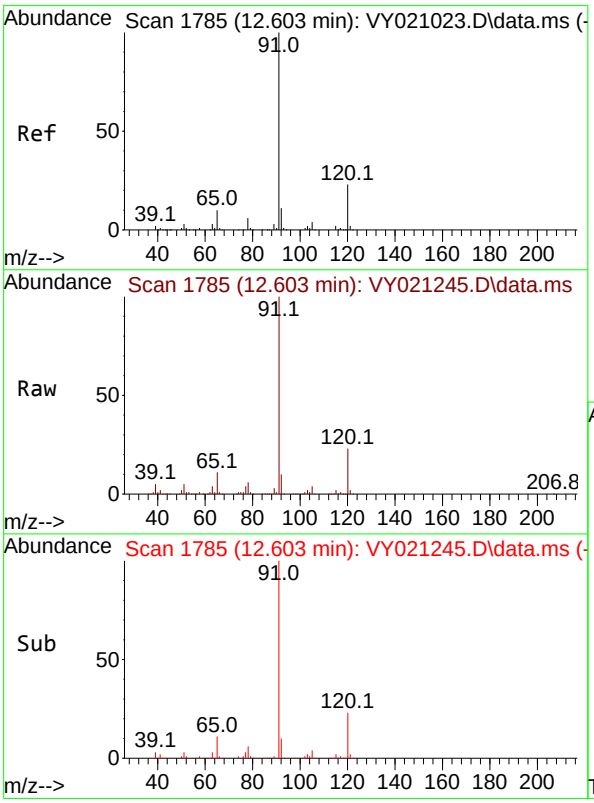
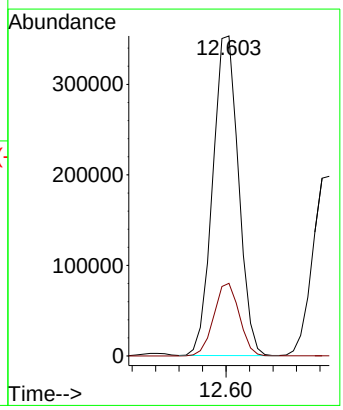
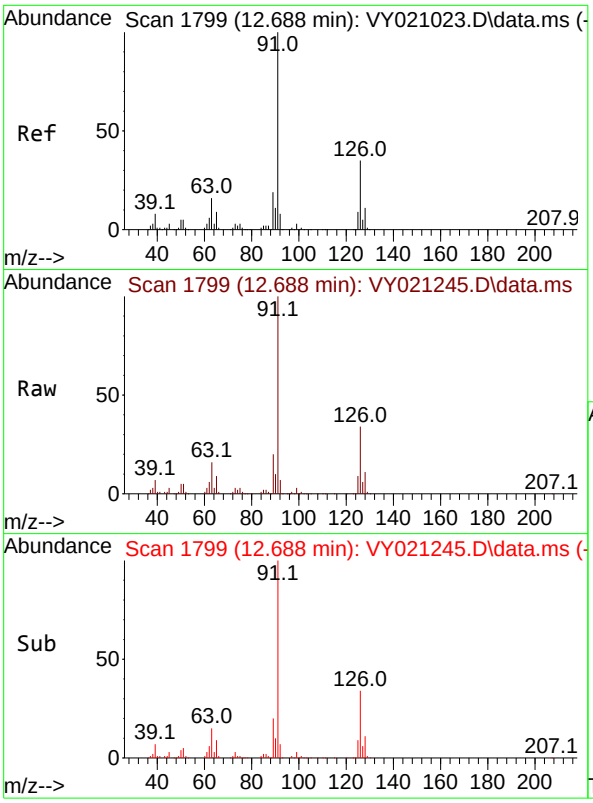


#78
n-propylbenzene
Concen: 49.878 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 539445

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0





#79
2-Chlorotoluene
Concen: 50.023 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

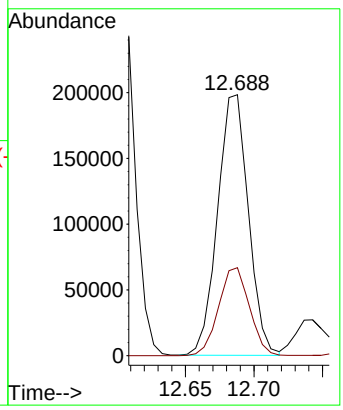
Tgt Ion: 91 Resp: 30986

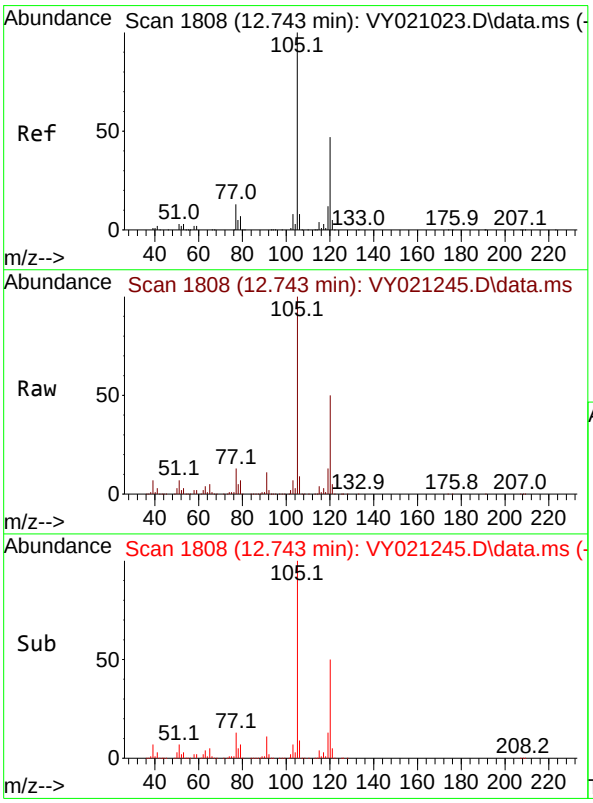
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

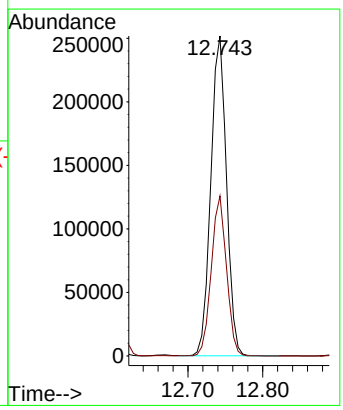


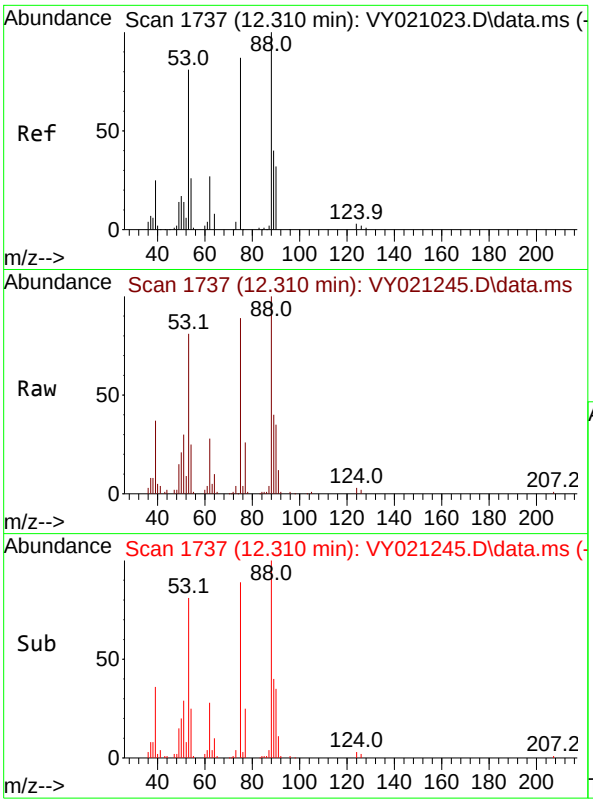


#80
1,3,5-Trimethylbenzene
Concen: 49.680 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 365700

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 52.896 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

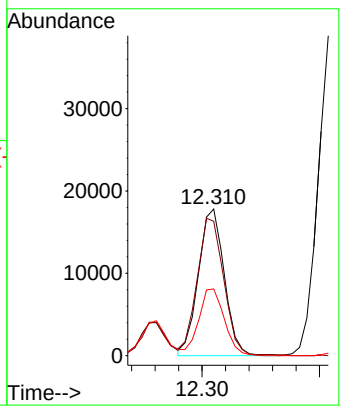
Tgt Ion: 75 Resp: 2733

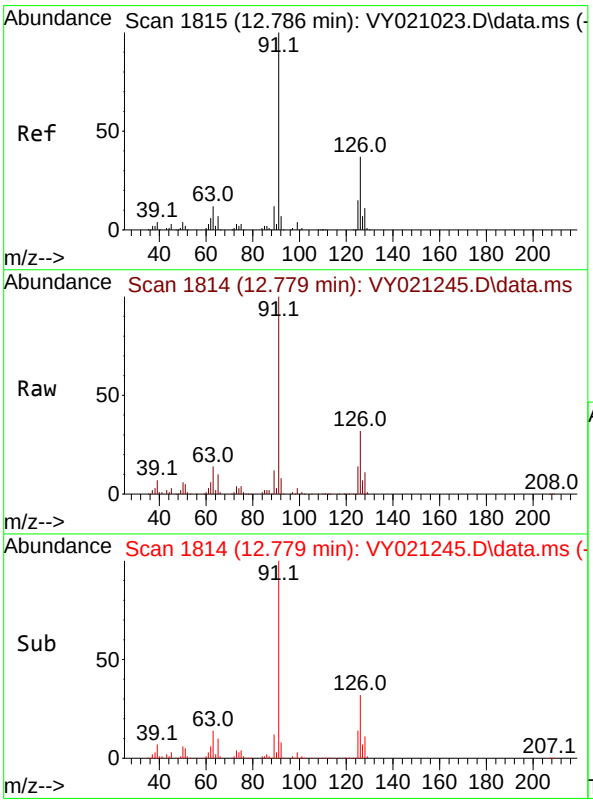
Ion	Ratio	Lower	Upper
75	100		
53	96.9	74.0	111.0
89	45.4	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

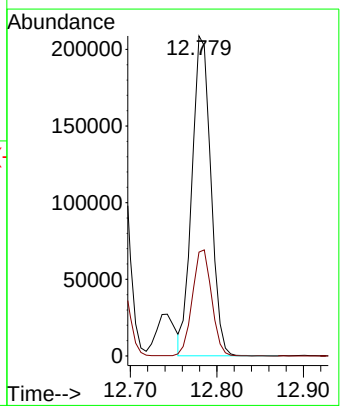


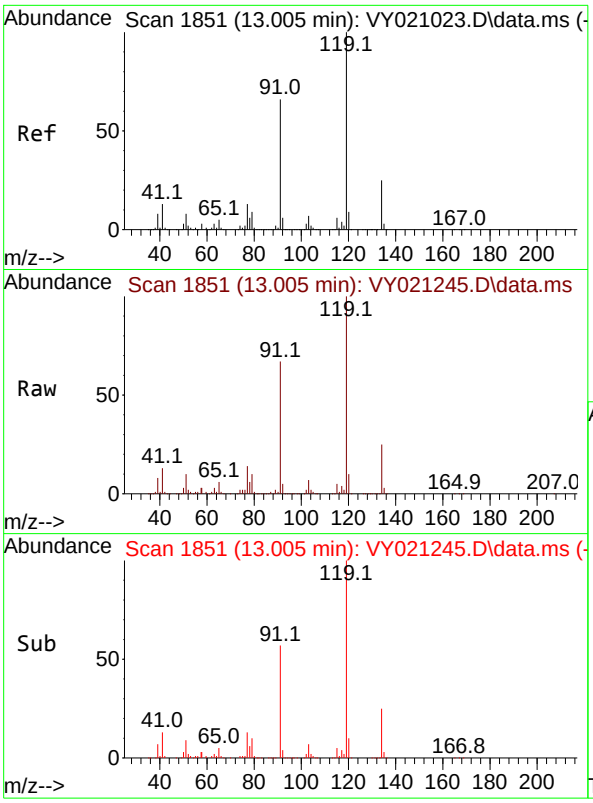


#82
4-Chlorotoluene
Concen: 50.148 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 316493

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.2





#83
tert-Butylbenzene
Concen: 50.321 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:119 Resp: 33669

Ion	Ratio	Lower	Upper
119	100		
91	65.0	31.5	94.5
134	26.3	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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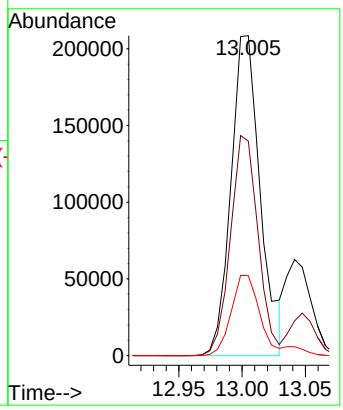
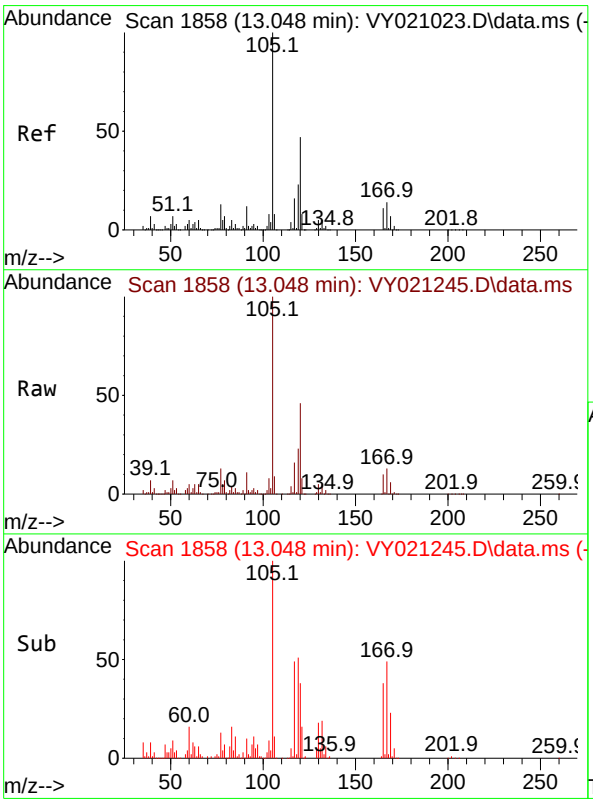
Supervised By :Mahesh Dadoda 02/20/2025

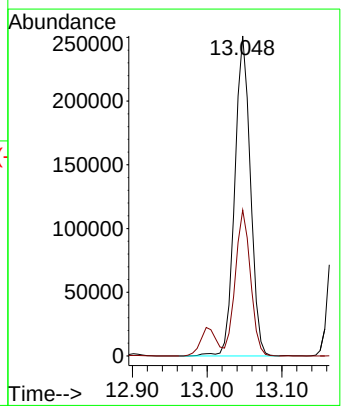


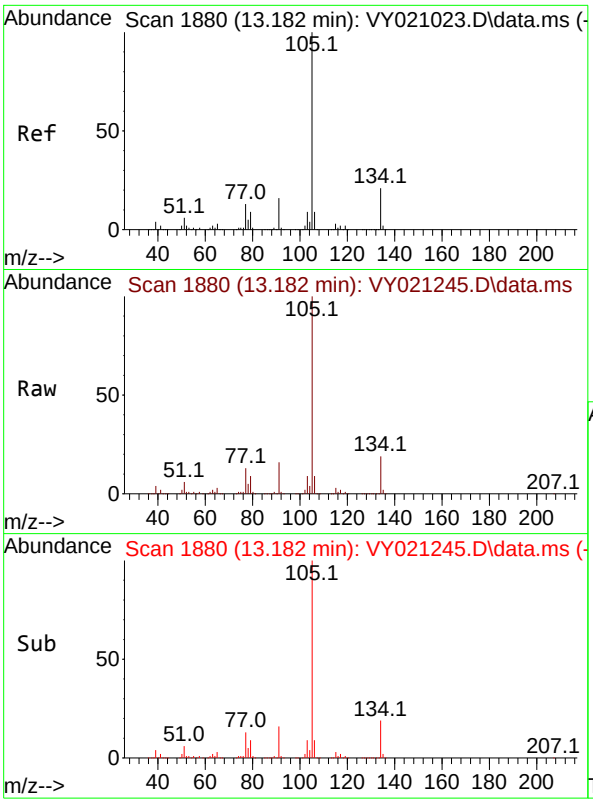


#84
1,2,4-Trimethylbenzene
Concen: 50.704 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 364939

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3

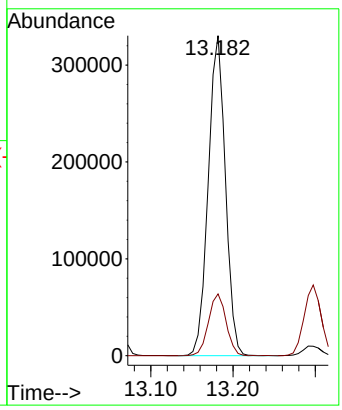




#85
sec-Butylbenzene
Concen: 49.704 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 47871

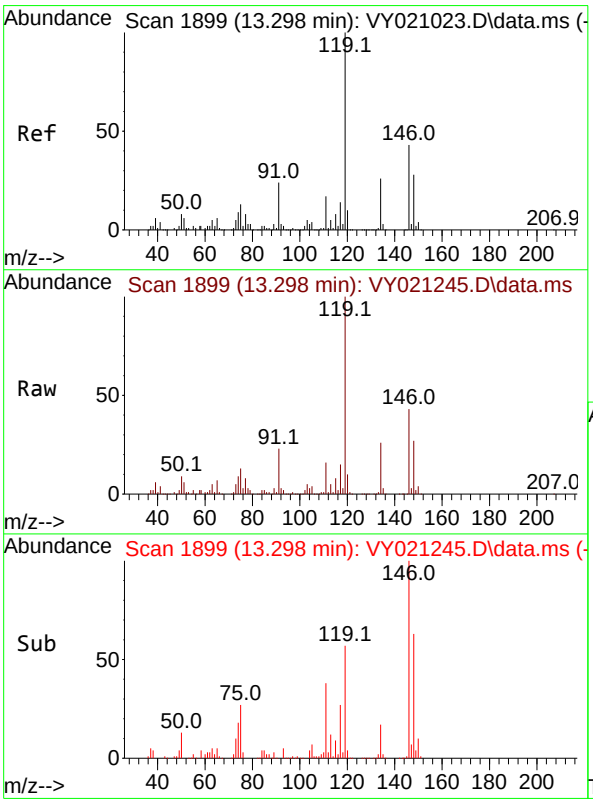
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

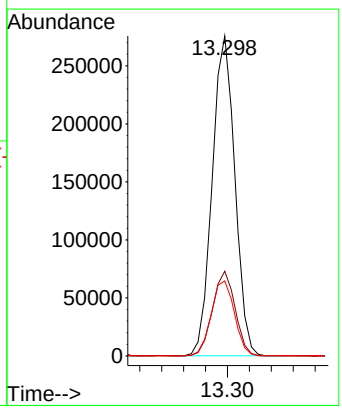
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

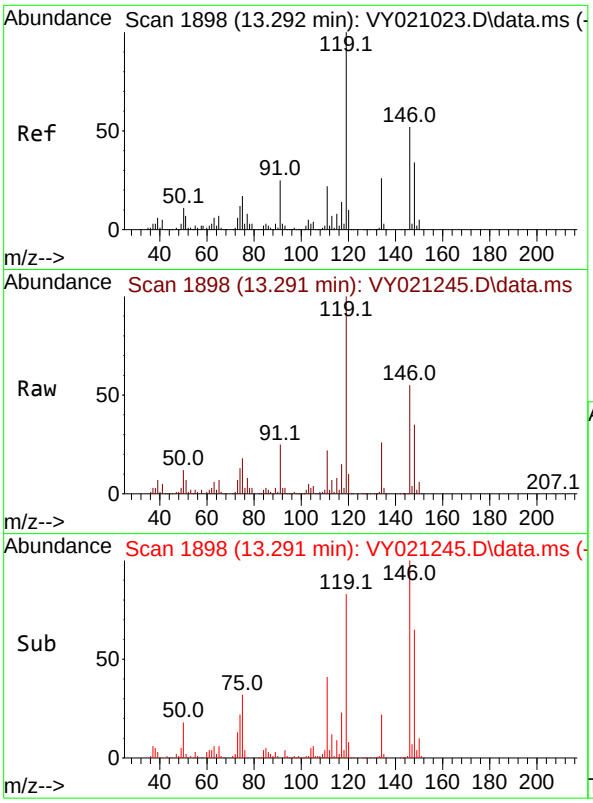


#86
p-Isopropyltoluene
Concen: 49.440 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:119 Resp: 395546

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	24.1	11.7	35.0

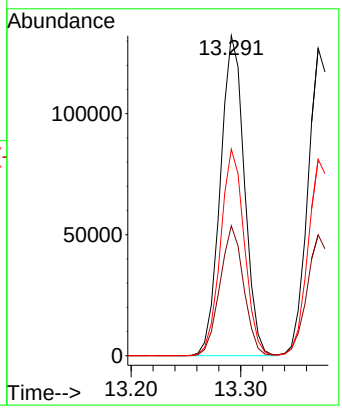




#87
1,3-Dichlorobenzene
Concen: 49.722 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 20114

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	64.0	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/20/2025
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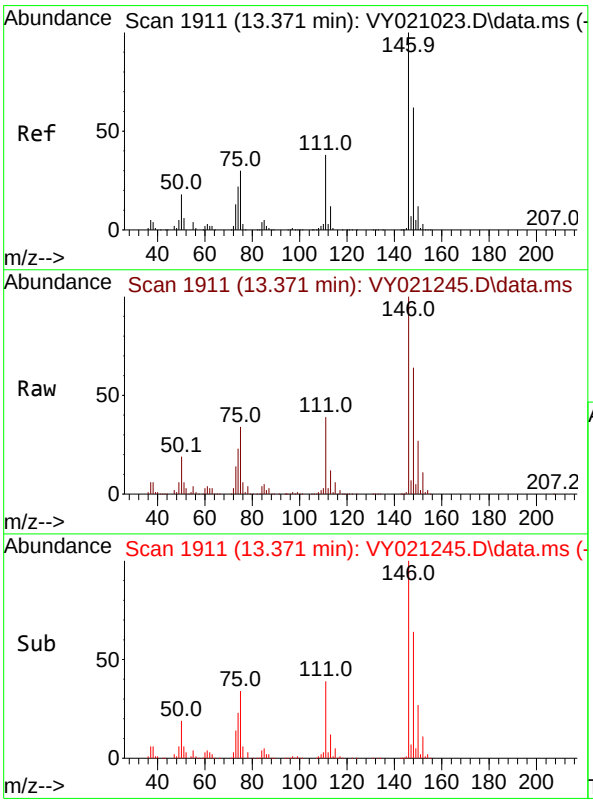
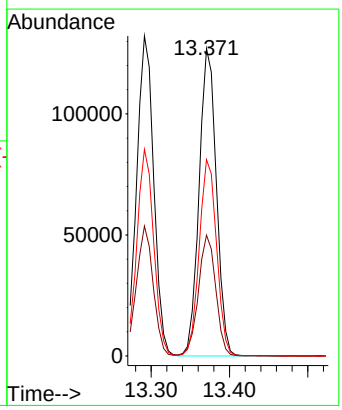
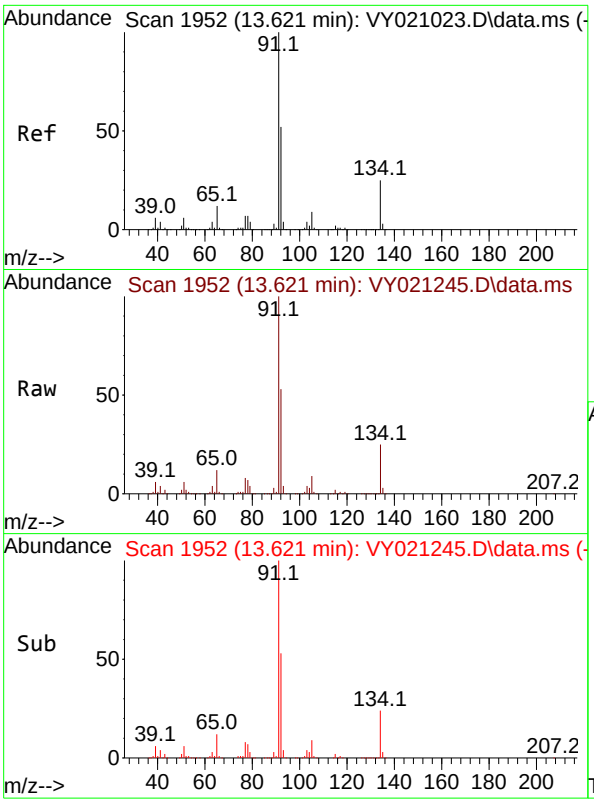


#88
1,4-Dichlorobenzene
Concen: 48.925 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 194880

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	64.2	31.6	94.7

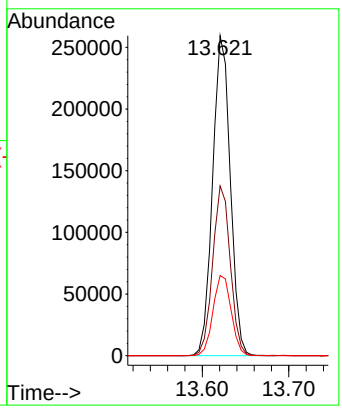




#89
n-Butylbenzene
Concen: 50.435 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 36810

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.8	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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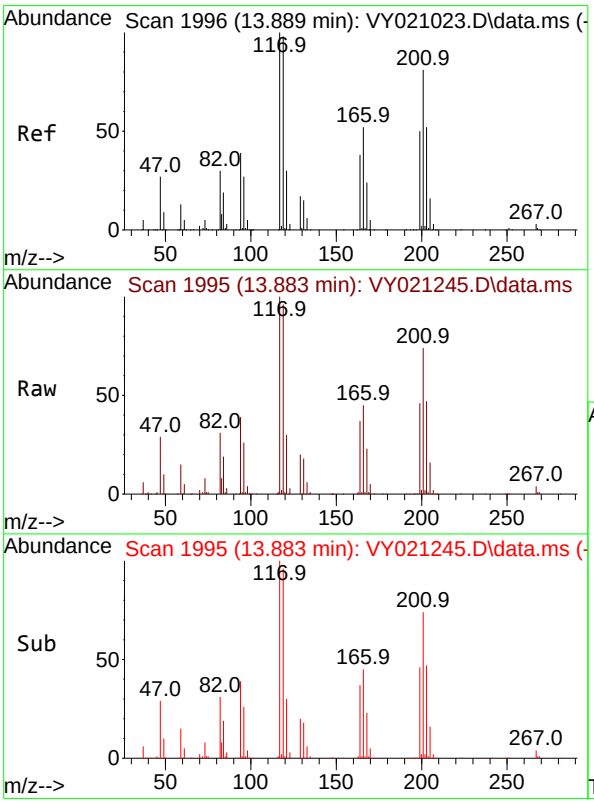
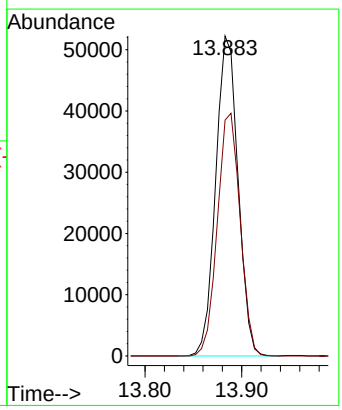
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

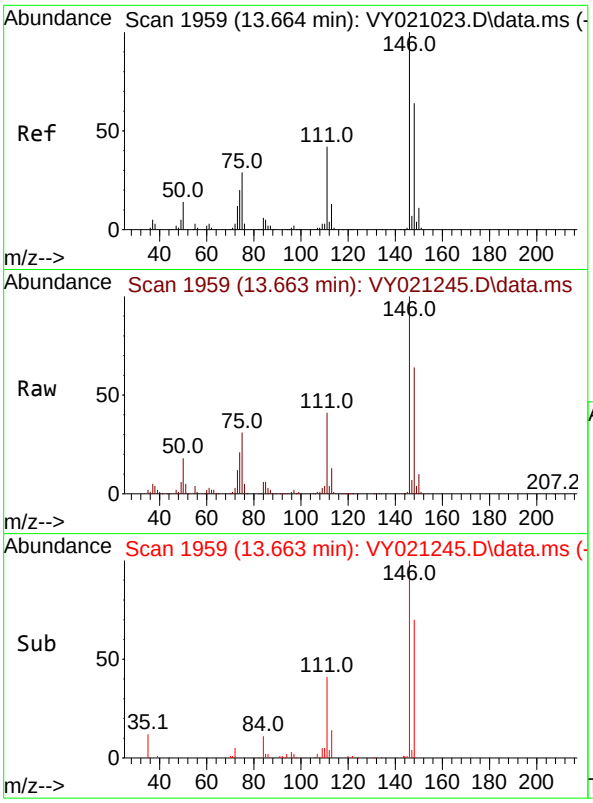


#90
Hexachloroethane
Concen: 50.100 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 83620

Ion	Ratio	Lower	Upper
117	100		
201	77.3	33.4	100.1

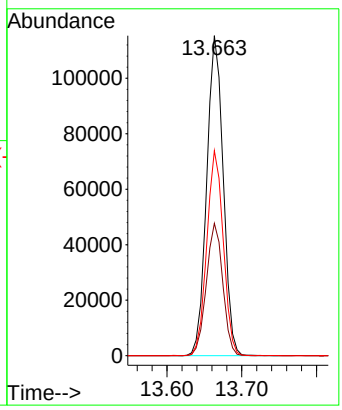




#91
1,2-Dichlorobenzene
Concen: 50.301 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 17661

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.9	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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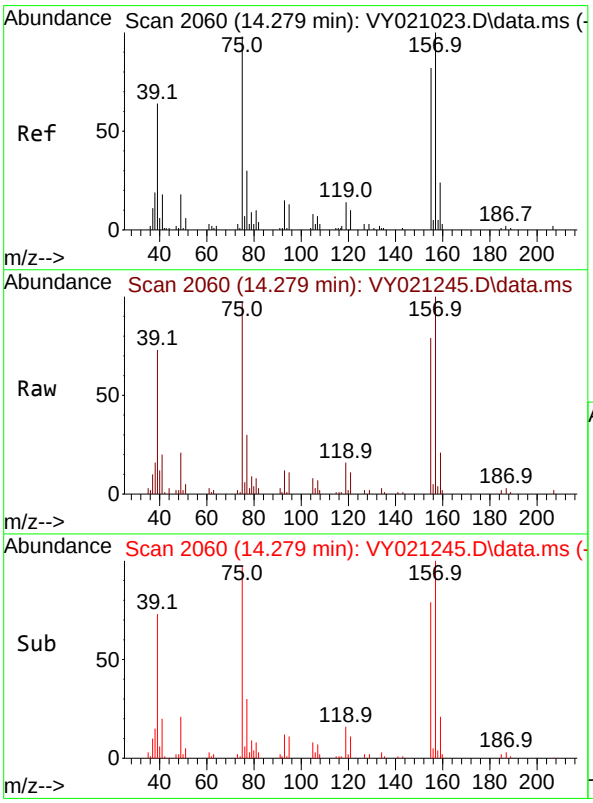
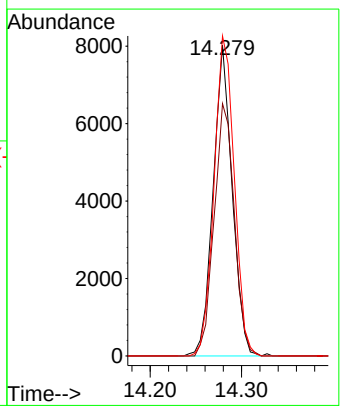
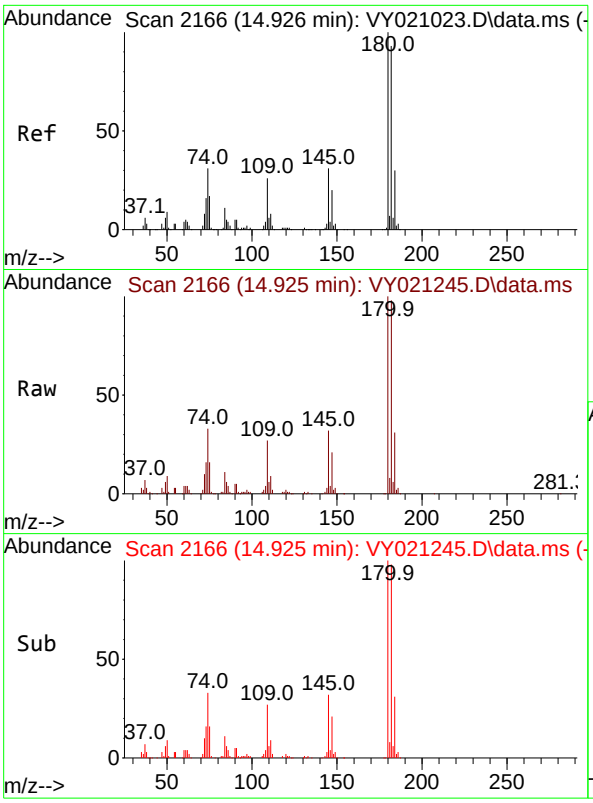


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.546 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 11631

Ion	Ratio	Lower	Upper
75	100		
155	86.2	42.1	126.3
157	109.3	55.8	167.4

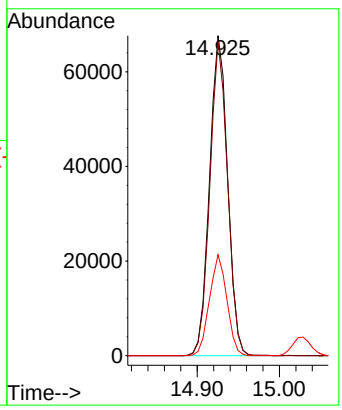




#93
1,2,4-Trichlorobenzene
Concen: 52.893 ug/l
RT: 14.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:180 Resp: 10337

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	30.3	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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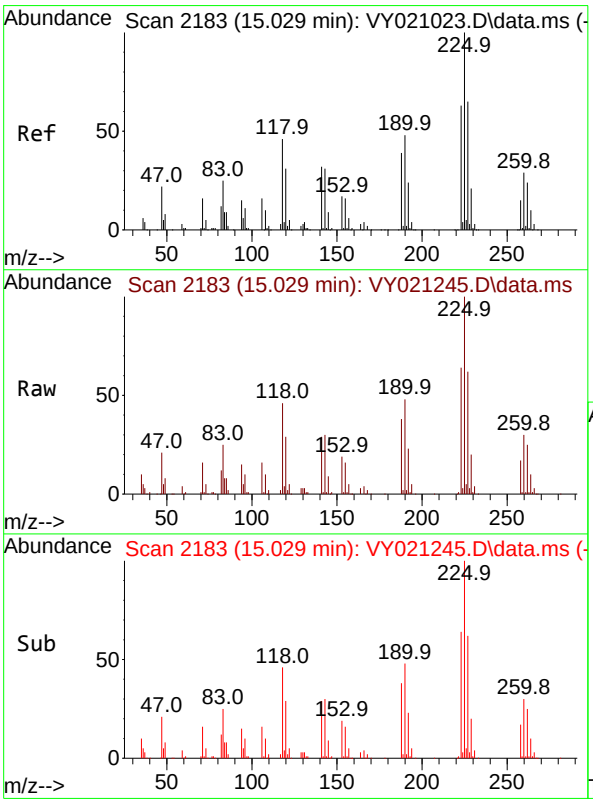
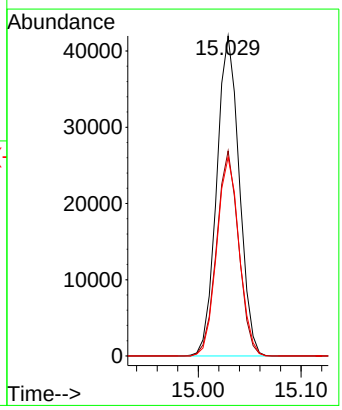
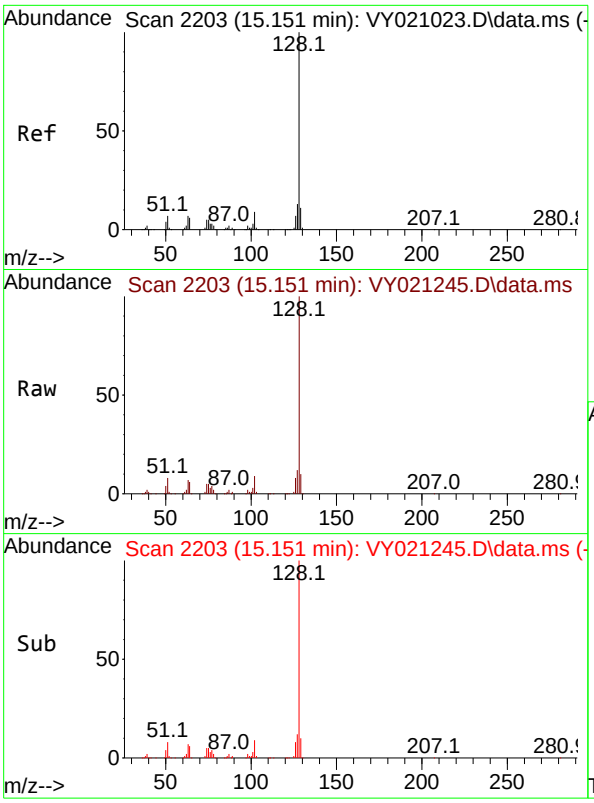


#94
Hexachlorobutadiene
Concen: 49.312 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:225 Resp: 63868

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.3
227	61.5	32.3	96.8

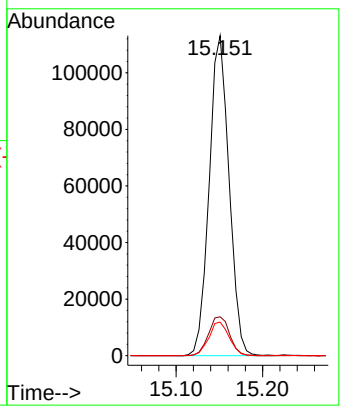




#95
Naphthalene
Concen: 57.663 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:128 Resp: 18030

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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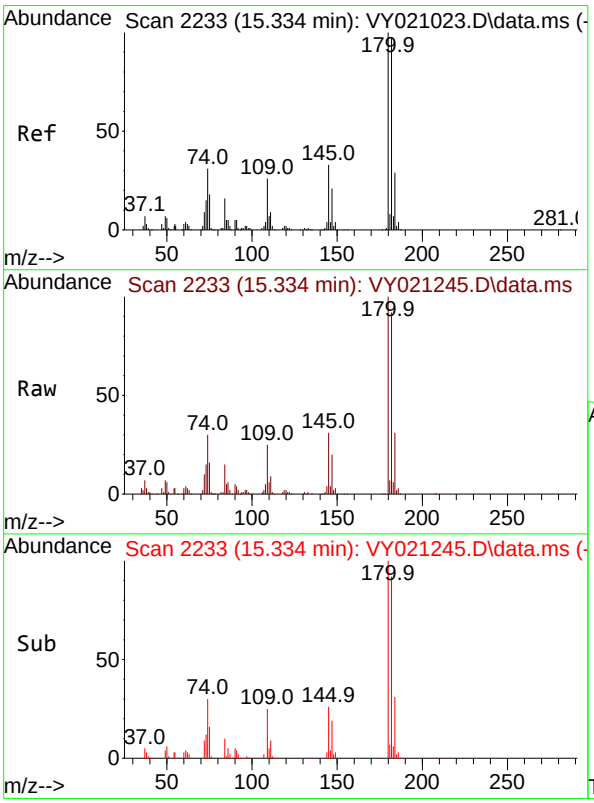
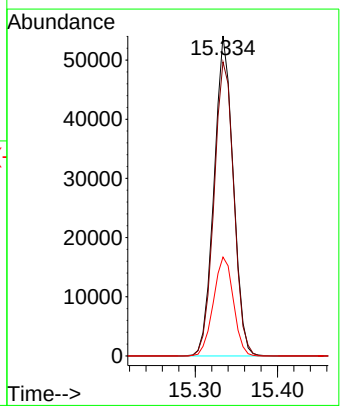


#96
1,2,3-Trichlorobenzene
Concen: 53.891 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:180 Resp: 87654

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.3	138.8
145	32.2	16.1	48.2



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Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	0.446	0.412	7.6	83	0.00
3	P	Chloromethane	0.440	0.469	-6.6	100	0.00
4	C	Vinyl Chloride	0.443	0.496	-12.0#	105	0.00
5	T	Bromomethane	0.274	0.311	-13.5	108	0.00
6	T	Chloroethane	0.263	0.322	-22.4	113	0.00
7	T	Trichlorofluoromethane	0.806	0.844	-4.7	96	0.00
8	T	Diethyl Ether	0.252	0.282	-11.9	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.506	0.518	-2.4	94	0.00
10	T	Methyl Iodide	0.562	0.582	-3.6	89	0.00
11	T	Tert butyl alcohol	0.035	0.037	-5.7	104	0.00
12	CM	1,1-Dichloroethene	0.477	0.484	-1.5#	92	0.00
13	T	Acrolein	0.053	0.041	22.6	70	0.00
14	T	Allyl chloride	0.803	0.893	-11.2	100	0.00
15	T	Acrylonitrile	0.105	0.127	-21.0	107	0.00
16	T	Acetone	0.080	0.095	-18.8	109	0.00
17	T	Carbon Disulfide	1.495	1.357	9.2	82	0.00
18	T	Methyl Acetate	0.280	0.371	-32.5#	115	0.00
19	T	Methyl tert-butyl Ether	1.205	1.416	-17.5	104	0.00
20	T	Methylene Chloride	0.497	0.568	-14.3	105	0.00
21	T	trans-1,2-Dichloroethene	0.525	0.540	-2.9	92	0.00
22	T	Diisopropyl ether	1.656	1.988	-20.0	107	0.00
23	T	Vinyl Acetate	0.923	1.102	-19.4	104	0.00
24	P	1,1-Dichloroethane	0.970	1.082	-11.5	102	0.00
25	T	2-Butanone	0.131	0.161	-22.9	107	0.00
26	T	2,2-Dichloropropane	0.898	0.928	-3.3	95	0.00
27	T	cis-1,2-Dichloroethene	0.604	0.666	-10.3	99	0.00
28	T	Bromochloromethane	0.384	0.438	-14.1	95	0.00
29	T	Tetrahydrofuran	0.089	0.109	-22.5	106	0.00
30	C	Chloroform	0.997	1.114	-11.7#	101	0.00
31	T	Cyclohexane	0.874	0.851	2.6	92	0.00
32	T	1,1,1-Trichloroethane	0.927	0.983	-6.0	96	0.00
33	S	1,2-Dichloroethane-d4	0.512	0.533	-4.1	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.320	0.323	-0.9	95	0.00
36	T	1,1-Dichloropropene	0.475	0.475	0.0	94	0.00
37	T	Ethyl Acetate	0.208	0.246	-18.3	108	0.00
38	T	Carbon Tetrachloride	0.555	0.556	-0.2	94	0.00
39	T	Methylcyclohexane	0.581	0.577	0.7	90	0.00
40	TM	Benzene	1.393	1.472	-5.7	98	0.00
41	T	Methacrylonitrile	0.120	0.144	-20.0	120	0.00
42	TM	1,2-Dichloroethane	0.386	0.422	-9.3	103	0.00
43	T	Isopropyl Acetate	0.414	0.489	-18.1	107	0.00
44	TM	Trichloroethene	0.360	0.362	-0.6	96	0.00
45	C	1,2-Dichloropropane	0.331	0.367	-10.9#	103	0.00
46	T	Dibromomethane	0.183	0.198	-8.2	101	0.00
47	T	Bromodichloromethane	0.491	0.541	-10.2	103	0.00
48	T	Methyl methacrylate	0.188	0.230	-22.3	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	107	0.00
50	S	Toluene-d8	1.220	1.195	2.0	92	0.00
51	T	4-Methyl-2-Pentanone	0.208	0.254	-22.1	108	0.00
52	CM	Toluene	0.875	0.924	-5.6#	97	0.00
53	T	t-1,3-Dichloropropene	0.441	0.497	-12.7	102	0.00
54	T	cis-1,3-Dichloropropene	0.522	0.577	-10.5	101	0.00
55	T	1,1,2-Trichloroethane	0.237	0.265	-11.8	104	0.00
56	T	Ethyl methacrylate	0.317	0.383	-20.8	104	0.00
57	T	1,3-Dichloropropane	0.410	0.461	-12.4	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.177	-17.2	104	0.00
59	T	2-Hexanone	0.134	0.169	-26.1#	108	0.00
60	T	Dibromochloromethane	0.333	0.364	-9.3	102	0.00
61	T	1,2-Dibromoethane	0.222	0.244	-9.9	100	0.00
62	S	4-Bromofluorobenzene	0.399	0.423	-6.0	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.371	0.361	2.7	92	0.00
65	PM	Chlorobenzene	1.113	1.160	-4.2	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.396	0.422	-6.6	101	0.00
67	C	Ethyl Benzene	1.969	2.074	-5.3#	98	0.00
68	T	m/p-Xylenes	0.737	0.768	-4.2	96	0.00
69	T	o-Xylene	0.687	0.734	-6.8	99	0.00
70	T	Styrene	1.145	1.245	-8.7	99	0.00
71	P	Bromoform	0.220	0.242	-10.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.906	3.853	1.4	97	0.00
74	T	N-amyl acetate	0.854	0.987	-15.6	107	0.00
75	P	1,1,2,2-Tetrachloroethane	0.650	0.684	-5.2	104	0.00
76	T	1,2,3-Trichloropropane	0.454	0.484	-6.6	101	0.00
77	T	Bromobenzene	0.901	0.886	1.7	98	0.00
78	T	n-propylbenzene	4.653	4.641	0.3	97	0.00
79	T	2-Chlorotoluene	2.665	2.666	-0.0	99	0.00
80	T	1,3,5-Trimethylbenzene	3.167	3.146	0.7	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.222	0.235	-5.9	101	0.00
82	T	4-Chlorotoluene	2.715	2.723	-0.3	100	0.00
83	T	tert-Butylbenzene	2.878	2.897	-0.7	97	0.00
84	T	1,2,4-Trimethylbenzene	3.096	3.140	-1.4	99	0.00
85	T	sec-Butylbenzene	4.143	4.119	0.6	98	0.00
86	T	p-Isopropyltoluene	3.442	3.403	1.1	96	0.00
87	T	1,3-Dichlorobenzene	1.740	1.731	0.5	99	0.00
88	T	1,4-Dichlorobenzene	1.714	1.677	2.2	97	0.00
89	T	n-Butylbenzene	3.140	3.167	-0.9	96	0.00
90	T	Hexachloroethane	0.718	0.719	-0.1	99	0.00
91	T	1,2-Dichlorobenzene	1.510	1.520	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.097	0.100	-3.1	99	0.00
93	T	1,2,4-Trichlorobenzene	0.841	0.889	-5.7	98	0.00
94	T	Hexachlorobutadiene	0.557	0.550	1.3	95	0.00
95	T	Naphthalene	1.345	1.551	-15.3	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.700	0.754	-7.7	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	50.000	46.207	7.6	83	0.00
3	P	Chloromethane	50.000	53.350	-6.7	100	0.00
4	C	Vinyl Chloride	50.000	55.997	-12.0#	105	0.00
5	T	Bromomethane	50.000	56.877	-13.8	108	0.00
6	T	Chloroethane	50.000	61.081	-22.2	113	0.00
7	T	Trichlorofluoromethane	50.000	52.345	-4.7	96	0.00
8	T	Diethyl Ether	50.000	56.045	-12.1	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.211	-2.4	94	0.00
10	T	Methyl Iodide	50.000	51.770	-3.5	89	0.00
11	T	Tert butyl alcohol	250.000	266.519	-6.6	104	0.00
12	CM	1,1-Dichloroethene	50.000	50.767	-1.5#	92	0.00
13	T	Acrolein	250.000	192.376	23.0	70	0.00
14	T	Allyl chloride	50.000	55.595	-11.2	100	0.00
15	T	Acrylonitrile	250.000	303.821	-21.5	107	0.00
16	T	Acetone	250.000	296.567	-18.6	109	0.00
17	T	Carbon Disulfide	50.000	45.397	9.2	82	0.00
18	T	Methyl Acetate	50.000	66.203	-32.4#	115	0.00
19	T	Methyl tert-butyl Ether	50.000	58.736	-17.5	104	0.00
20	T	Methylene Chloride	50.000	57.169	-14.3	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.495	-3.0	92	0.00
22	T	Diisopropyl ether	50.000	60.006	-20.0	107	0.00
23	T	Vinyl Acetate	250.000	298.467	-19.4	104	0.00
24	P	1,1-Dichloroethane	50.000	55.736	-11.5	102	0.00
25	T	2-Butanone	250.000	307.203	-22.9	107	0.00
26	T	2,2-Dichloropropane	50.000	51.680	-3.4	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.122	-10.2	99	0.00
28	T	Bromochloromethane	50.000	57.089	-14.2	95	0.00
29	T	Tetrahydrofuran	250.000	307.460	-23.0	106	0.00
30	C	Chloroform	50.000	55.908	-11.8#	101	0.00
31	T	Cyclohexane	50.000	48.715	2.6	92	0.00
32	T	1,1,1-Trichloroethane	50.000	53.040	-6.1	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.982	-4.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	50.351	-0.7	95	0.00
36	T	1,1-Dichloropropene	50.000	50.046	-0.1	94	0.00
37	T	Ethyl Acetate	50.000	59.007	-18.0	108	0.00
38	T	Carbon Tetrachloride	50.000	50.141	-0.3	94	0.00
39	T	Methylcyclohexane	50.000	49.660	0.7	90	0.00
40	TM	Benzene	50.000	52.834	-5.7	98	0.00
41	T	Methacrylonitrile	50.000	59.955	-19.9	120	0.00
42	TM	1,2-Dichloroethane	50.000	54.630	-9.3	103	0.00
43	T	Isopropyl Acetate	50.000	59.061	-18.1	107	0.00
44	TM	Trichloroethene	50.000	50.349	-0.7	96	0.00
45	C	1,2-Dichloropropane	50.000	55.433	-10.9#	103	0.00
46	T	Dibromomethane	50.000	54.018	-8.0	101	0.00
47	T	Bromodichloromethane	50.000	55.072	-10.1	103	0.00
48	T	Methyl methacrylate	50.000	60.916	-21.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1192.209	-19.2	107	0.00
50	S	Toluene-d8	50.000	48.967	2.1	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	305.302	-22.1	108	0.00
52	CM	Toluene	50.000	52.845	-5.7#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	56.333	-12.7	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.321	-10.6	101	0.00
55	T	1,1,2-Trichloroethane	50.000	55.990	-12.0	104	0.00
56	T	Ethyl methacrylate	50.000	60.418	-20.8	104	0.00
57	T	1,3-Dichloropropane	50.000	56.213	-12.4	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	292.814	-17.1	104	0.00
59	T	2-Hexanone	250.000	315.458	-26.2#	108	0.00
60	T	Dibromochloromethane	50.000	54.651	-9.3	102	0.00
61	T	1,2-Dibromoethane	50.000	54.863	-9.7	100	0.00
62	S	4-Bromofluorobenzene	50.000	53.035	-6.1	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	48.585	2.8	92	0.00
65	PM	Chlorobenzene	50.000	52.099	-4.2	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.372	-6.7	101	0.00
67	C	Ethyl Benzene	50.000	52.665	-5.3#	98	0.00
68	T	m/p-Xylenes	100.000	104.209	-4.2	96	0.00
69	T	o-Xylene	50.000	53.429	-6.9	99	0.00
70	T	Styrene	50.000	54.365	-8.7	99	0.00
71	P	Bromoform	50.000	54.936	-9.9	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.326	1.3	97	0.00
74	T	N-amyl acetate	50.000	57.796	-15.6	107	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.644	-5.3	104	0.00
76	T	1,2,3-Trichloropropane	50.000	53.308	-6.6	101	0.00
77	T	Bromobenzene	50.000	49.169	1.7	98	0.00
78	T	n-propylbenzene	50.000	49.878	0.2	97	0.00
79	T	2-Chlorotoluene	50.000	50.023	-0.0	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.680	0.6	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.896	-5.8	101	0.00
82	T	4-Chlorotoluene	50.000	50.148	-0.3	100	0.00
83	T	tert-Butylbenzene	50.000	50.321	-0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.704	-1.4	99	0.00
85	T	sec-Butylbenzene	50.000	49.704	0.6	98	0.00
86	T	p-Isopropyltoluene	50.000	49.440	1.1	96	0.00
87	T	1,3-Dichlorobenzene	50.000	49.722	0.6	99	0.00
88	T	1,4-Dichlorobenzene	50.000	48.925	2.2	97	0.00
89	T	n-Butylbenzene	50.000	50.435	-0.9	96	0.00
90	T	Hexachloroethane	50.000	50.100	-0.2	99	0.00
91	T	1,2-Dichlorobenzene	50.000	50.301	-0.6	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.546	-3.1	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.893	-5.8	98	0.00
94	T	Hexachlorobutadiene	50.000	49.312	1.4	95	0.00
95	T	Naphthalene	50.000	57.663	-15.3	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.891	-7.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 10:11

Lab File ID: VY021320.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.612	0.581	0.1	-5.07	20
Vinyl Chloride	0.601	0.586		-2.5	20
Bromomethane	0.399	0.370		-7.27	20
Chloroethane	0.373	0.363		-2.68	20
Trichlorofluoromethane	0.908	0.866		-4.63	20
1,1,2-Trichlorotrifluoroethane	0.525	0.496		-5.52	20
1,1-Dichloroethene	0.503	0.487		-3.18	20
Acetone	0.109	0.113		3.67	20
Carbon Disulfide	1.671	1.628		-2.57	20
Methyl tert-butyl Ether	1.329	1.308		-1.58	20
Methylene Chloride	0.588	0.533		-9.35	20
trans-1,2-Dichloroethene	0.554	0.540		-2.53	20
1,1-Dichloroethane	1.040	1.021	0.1	-1.83	20
2-Butanone	0.164	0.162		-1.22	20
Carbon Tetrachloride	0.554	0.536		-3.25	20
cis-1,2-Dichloroethene	0.632	0.633		0.16	20
Chloroform	1.054	1.038		-1.52	20
1,1,1-Trichloroethane	0.960	0.936		-2.5	20
Methylcyclohexane	0.623	0.578		-7.22	20
Benzene	1.456	1.415		-2.82	20
1,2-Dichloroethane	0.413	0.396		-4.12	20
Trichloroethene	0.364	0.355		-2.47	20
1,2-Dichloropropane	0.350	0.341		-2.57	20
Bromodichloromethane	0.511	0.494		-3.33	20
4-Methyl-2-Pentanone	0.243	0.234		-3.7	20
Toluene	0.904	0.892		-1.33	20
t-1,3-Dichloropropene	0.468	0.468		0	20
cis-1,3-Dichloropropene	0.552	0.543		-1.63	20
1,1,2-Trichloroethane	0.249	0.236		-5.22	20
2-Hexanone	0.159	0.159		0	20
Dibromochloromethane	0.340	0.332		-2.35	20
Tetrachloroethene	0.378	0.359		-5.03	20
Chlorobenzene	1.122	1.091	0.3	-2.76	20
Ethyl Benzene	1.988	1.972		-0.81	20
m/p-Xylenes	0.748	0.735		-1.74	20
o-Xylene	0.701	0.696		-0.71	20
Styrene	1.166	1.176		0.86	20
Bromoform	0.225	0.217	0.1	-3.56	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 10:11

Lab File ID: VY021320.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.759	3.742		-0.45	20
1,1,2,2-Tetrachloroethane	0.663	0.639	0.3	-3.62	20
1,3-Dichlorobenzene	1.730	1.676		-3.12	20
1,4-Dichlorobenzene	1.709	1.633		-4.45	20
1,2-Dichlorobenzene	1.515	1.469		-3.04	20
1,2-Dichloroethane-d4	0.567	0.544		-4.06	20
Dibromofluoromethane	0.328	0.320		-2.44	20
Toluene-d8	1.267	1.257		-0.79	20
4-Bromofluorobenzene	0.426	0.420		-1.41	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	193888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	268805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105547	47.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.980%			
35) Dibromofluoromethane	7.634	113	98654	48.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.109	98	387966	49.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.408	95	129754	49.290	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	85738	46.640	ug/l	96
3) Chloromethane	2.068	50	112705	47.473	ug/l	98
4) Vinyl Chloride	2.202	62	113710	48.798	ug/l	98
5) Bromomethane	2.598	94	71789	46.361	ug/l	99
6) Chloroethane	2.739	64	70476	48.772	ug/l	99
7) Trichlorofluoromethane	3.062	101	167868	47.701	ug/l	96
8) Diethyl Ether	3.452	74	52323	49.537	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	96104	47.169	ug/l	99
10) Methyl Iodide	4.007	142	111918	52.212	ug/l	99
11) Tert butyl alcohol	4.854	59	34212	202.221	ug/l	98
12) 1,1-Dichloroethene	3.793	96	94447	48.413	ug/l	99
13) Acrolein	3.653	56	5526	42.624	ug/l	99
14) Allyl chloride	4.385	41	173778	50.242	ug/l	98
15) Acrylonitrile	5.061	53	112963	241.892	ug/l	99
16) Acetone	3.867	43	109810	260.267	ug/l	100
17) Carbon Disulfide	4.110	76	315561	48.712	ug/l	100
18) Methyl Acetate	4.385	43	49846	48.342	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	253623	49.206	ug/l	99
20) Methylene Chloride	4.616	84	103268	45.263	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	104607	48.708	ug/l	99
22) Diisopropyl ether	6.019	45	361038	50.442	ug/l	98
23) Vinyl Acetate	5.958	43	1065848	249.197	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197949	49.069	ug/l	98
25) 2-Butanone	6.890	43	157281	246.999	ug/l	98
26) 2,2-Dichloropropane	6.890	77	180065	49.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	122751	50.053	ug/l	99
28) Bromochloromethane	7.244	49	84337	47.247	ug/l	98
29) Tetrahydrofuran	7.262	42	99242	238.435	ug/l	100
30) Chloroform	7.421	83	201334	49.253	ug/l	99
31) Cyclohexane	7.701	56	178746	46.094	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	181553	48.795	ug/l	98
36) 1,1-Dichloropropene	7.835	75	146702	48.254	ug/l	100
37) Ethyl Acetate	6.982	43	72710	48.080	ug/l	100
38) Carbon Tetrachloride	7.817	117	165430	48.402	ug/l	98
39) Methylcyclohexane	9.109	83	178508	46.422	ug/l	97
40) Benzene	8.079	78	436709	48.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	36160	42.766	ug/l		91
42) 1,2-Dichloroethane	8.158	62	122335	47.978	ug/l		99
43) Isopropyl Acetate	8.195	43	140455	47.984	ug/l		99
44) Trichloroethene	8.866	130	109499	48.665	ug/l		100
45) 1,2-Dichloropropane	9.140	63	105190	48.637	ug/l		100
46) Dibromomethane	9.231	93	56977	48.195	ug/l		99
47) Bromodichloromethane	9.427	83	152416	48.352	ug/l		99
48) Methyl methacrylate	9.219	41	66362	48.481	ug/l		98
49) 1,4-Dioxane	9.231	88	12417	944.605	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	360891	240.853	ug/l		100
52) Toluene	10.170	92	275527	49.351	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	144366	49.988	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	167718	49.192	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72899	47.334	ug/l		98
56) Ethyl methacrylate	10.439	69	108485	50.979	ug/l		100
57) 1,3-Dichloropropane	10.719	76	132919	49.183	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	239640	234.614	ug/l		100
59) 2-Hexanone	10.762	43	245501	249.476	ug/l		99
60) Dibromochloromethane	10.908	129	102499	48.867	ug/l		100
61) 1,2-Dibromoethane	11.018	107	69304	47.532	ug/l		98
64) Tetrachloroethene	10.646	164	96416	47.455	ug/l		98
65) Chlorobenzene	11.444	112	293397	48.625	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	104152	49.295	ug/l		100
67) Ethyl Benzene	11.518	91	530215	49.609	ug/l		99
68) m/p-Xylenes	11.627	106	395166	98.298	ug/l		99
69) o-Xylene	11.957	106	187084	49.676	ug/l		98
70) Styrene	11.969	104	316002	50.431	ug/l		100
71) Bromoform	12.133	173	58316	48.247	ug/l	#	99
73) Isopropylbenzene	12.255	105	493694	49.774	ug/l		99
74) N-amyl acetate	12.072	43	128988	51.162	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	84288	48.150	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	52897m	40.055	ug/l		
77) Bromobenzene	12.536	156	114266	49.529	ug/l		99
78) n-propylbenzene	12.597	91	595911	49.510	ug/l		100
79) 2-Chlorotoluene	12.682	91	339722	49.181	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	403527	49.604	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29544	49.724	ug/l		99
82) 4-Chlorotoluene	12.780	91	353786	49.408	ug/l		99
83) tert-Butylbenzene	12.999	119	358344	48.765	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	403288	49.846	ug/l		100
85) sec-Butylbenzene	13.176	105	515970	48.069	ug/l		100
86) p-Isopropyltoluene	13.292	119	435539	48.594	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	221110	48.450	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	215487	47.797	ug/l		100
89) n-Butylbenzene	13.621	91	408995	48.491	ug/l		100
90) Hexachloroethane	13.883	117	88564	47.306	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	193750	48.457	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13100	47.306	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	116572	47.769	ug/l		99
94) Hexachlorobutadiene	15.029	225	70063	45.603	ug/l		99
95) Naphthalene	15.145	128	205892	50.937	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	98515	47.779	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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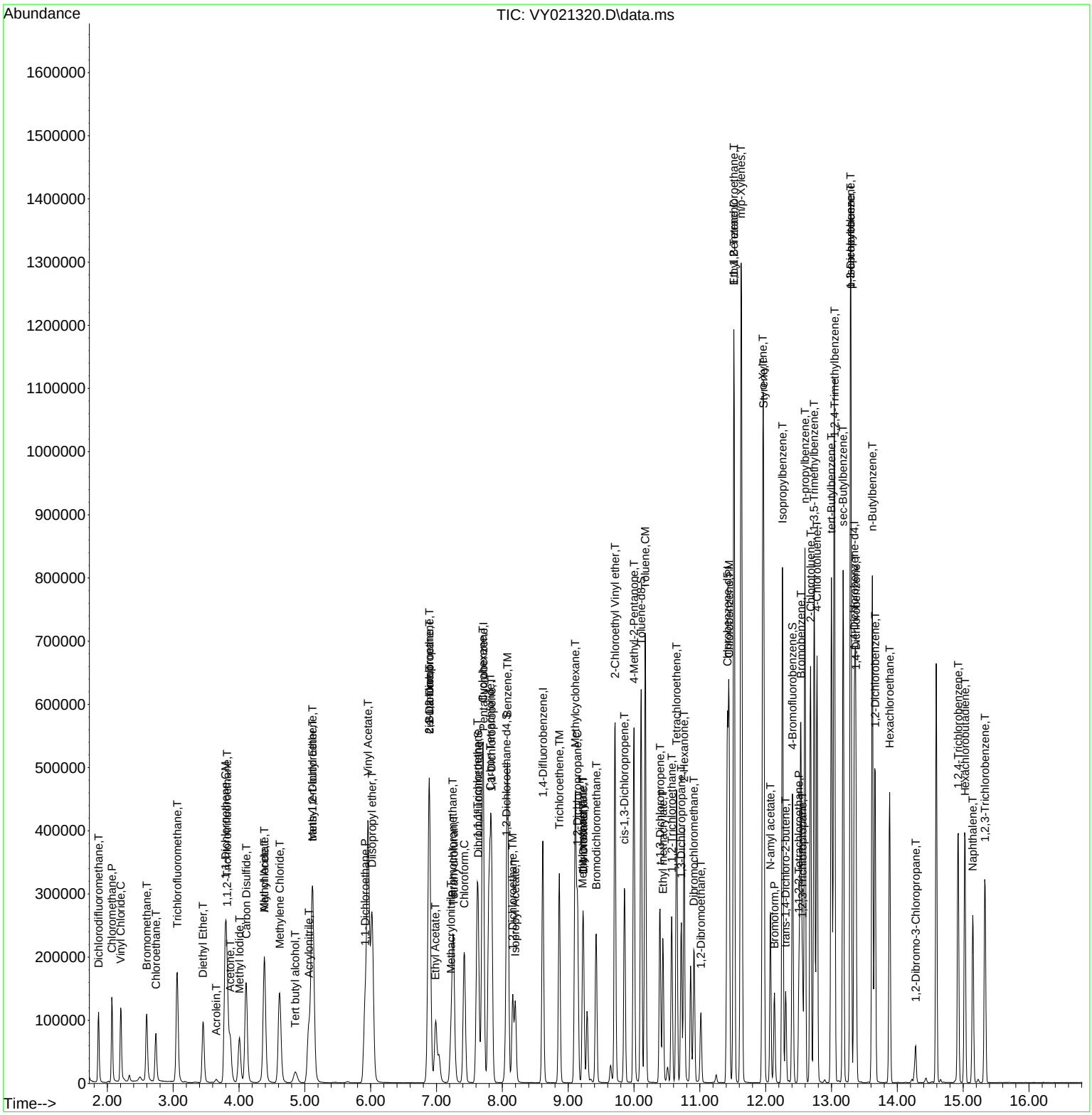
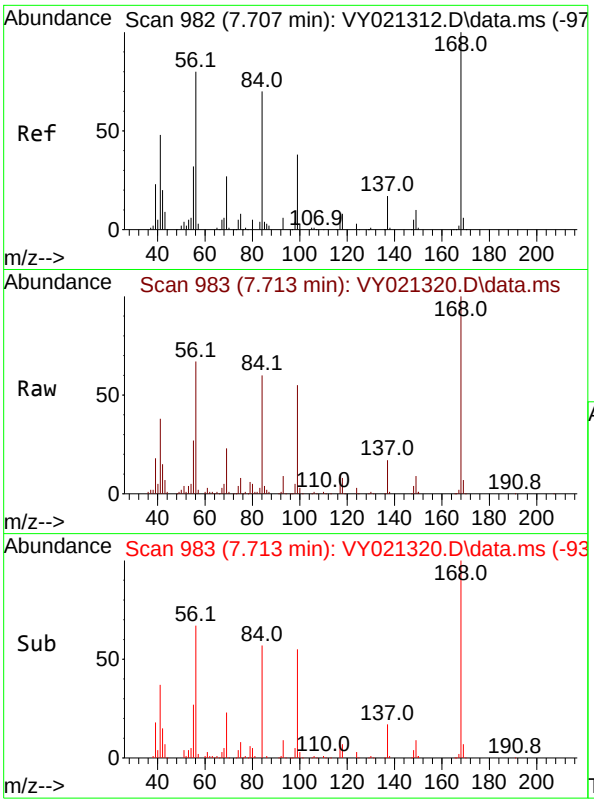
Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

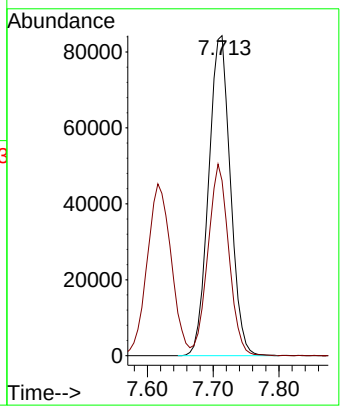




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:168 Resp: 19388

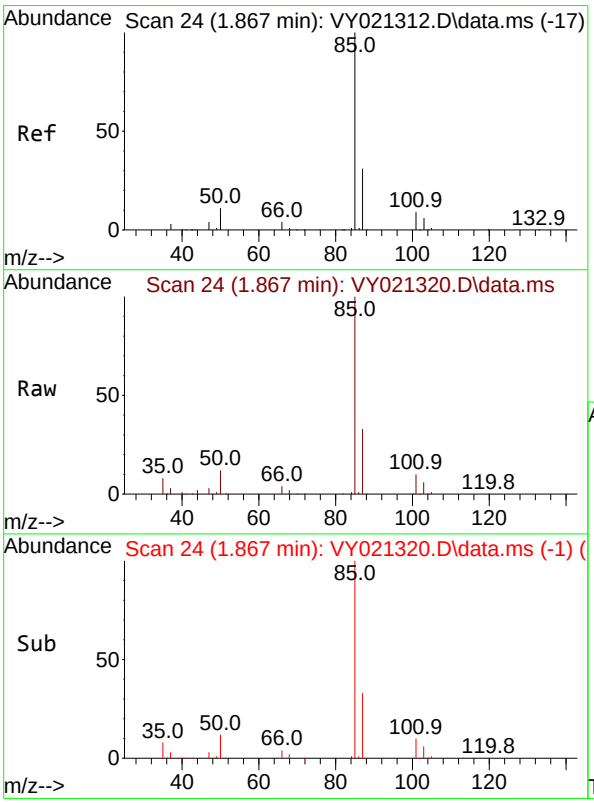
Ion	Ratio	Lower	Upper
168	100		
99	54.7	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

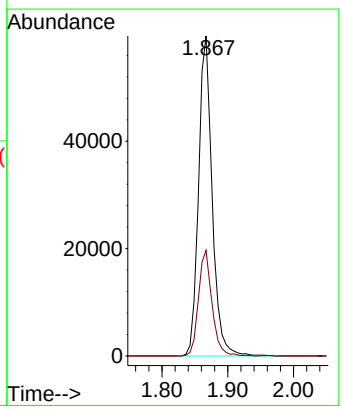
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

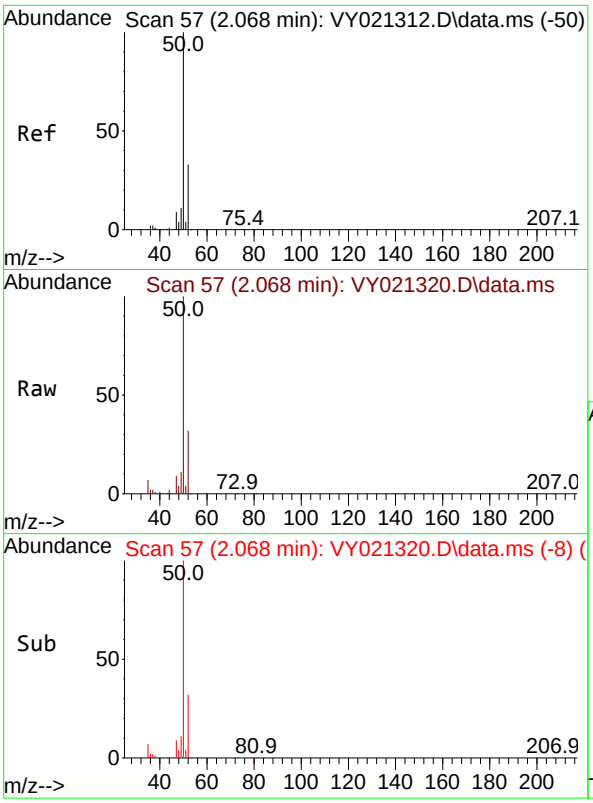


#2
Dichlorodifluoromethane
Concen: 46.640 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 85 Resp: 85738

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4

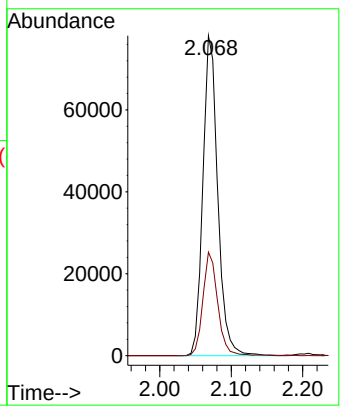




#3
Chloromethane
Concen: 47.473 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 50 Resp: 11270

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/27/2025
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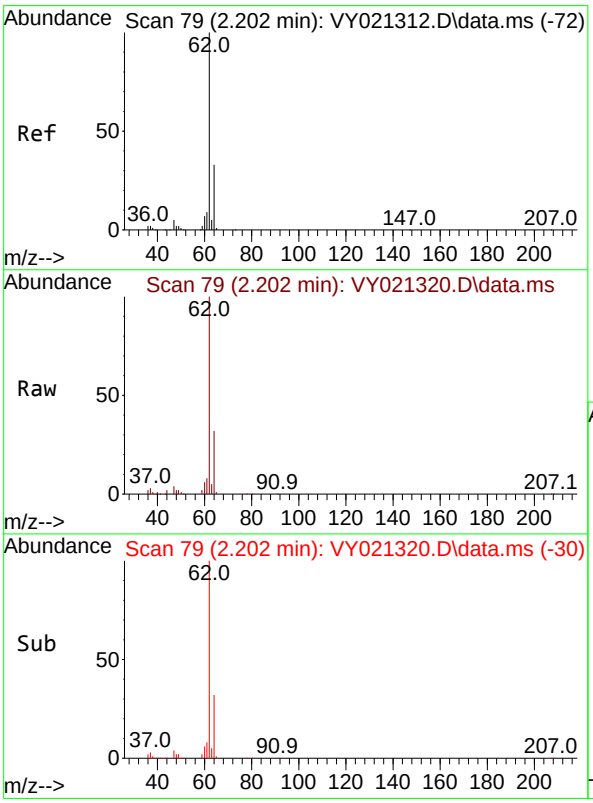
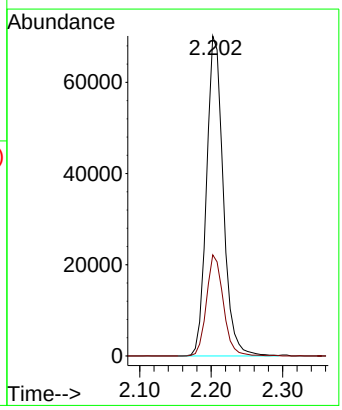
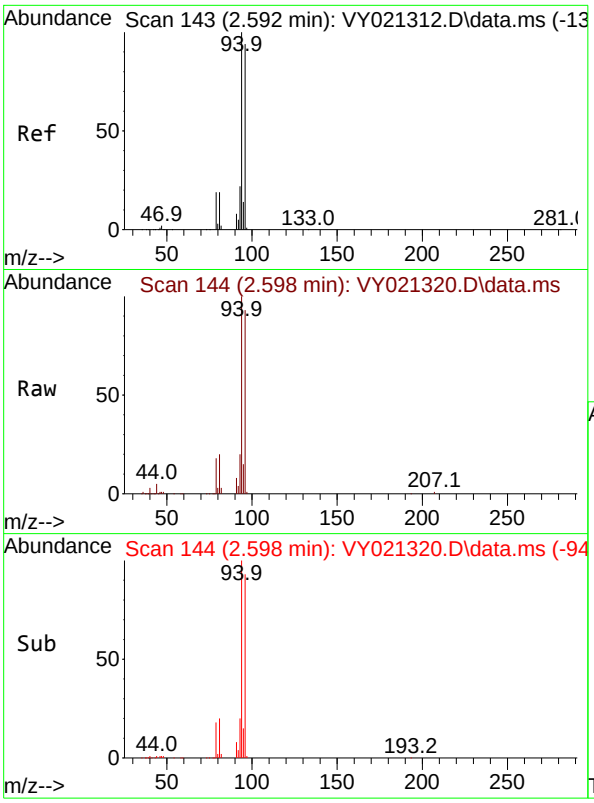


#4
Vinyl Chloride
Concen: 48.798 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 113710

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.3	39.5

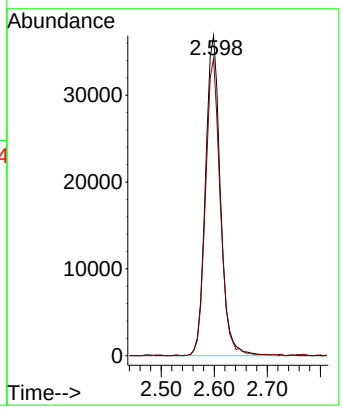




#5
Bromomethane
Concen: 46.361 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 94 Resp: 7178

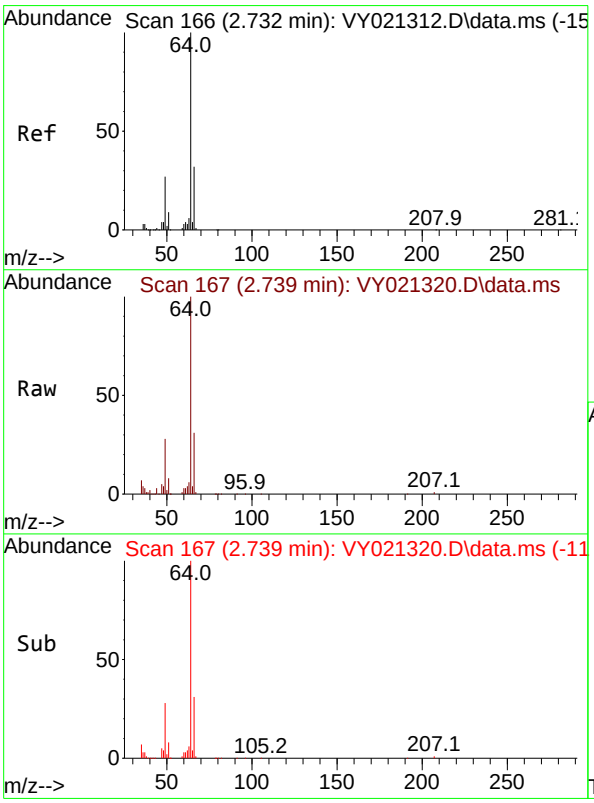
Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

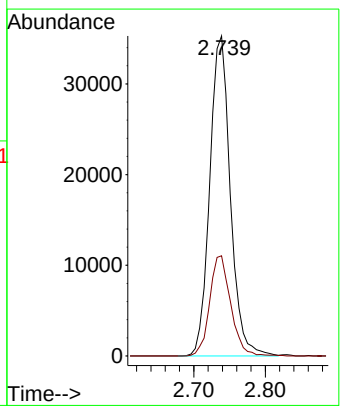
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

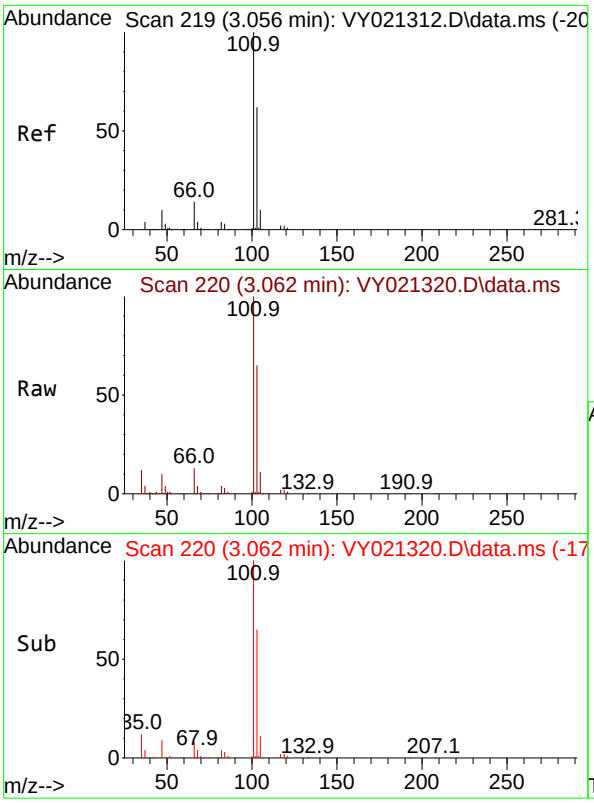


#6
Chloroethane
Concen: 48.772 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 64 Resp: 70476

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.4	38.0

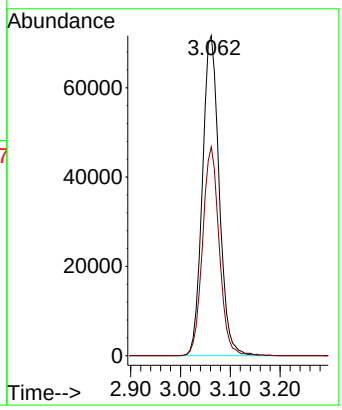




#7
Trichlorofluoromethane
Concen: 47.701 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:101 Resp: 16786

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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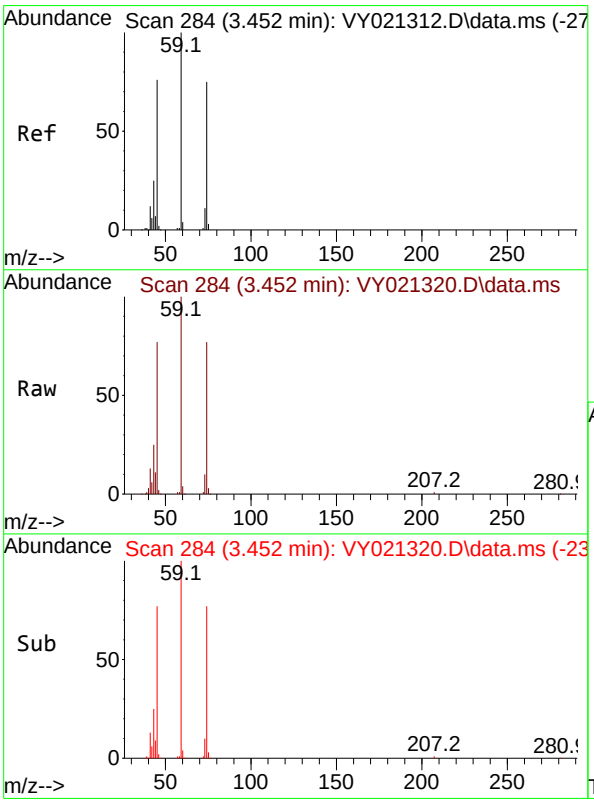
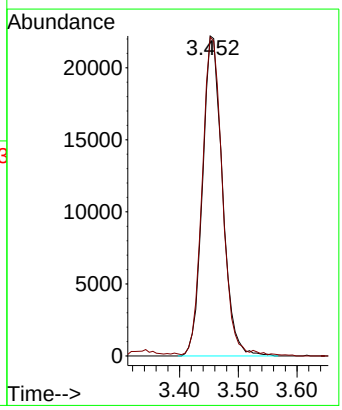
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

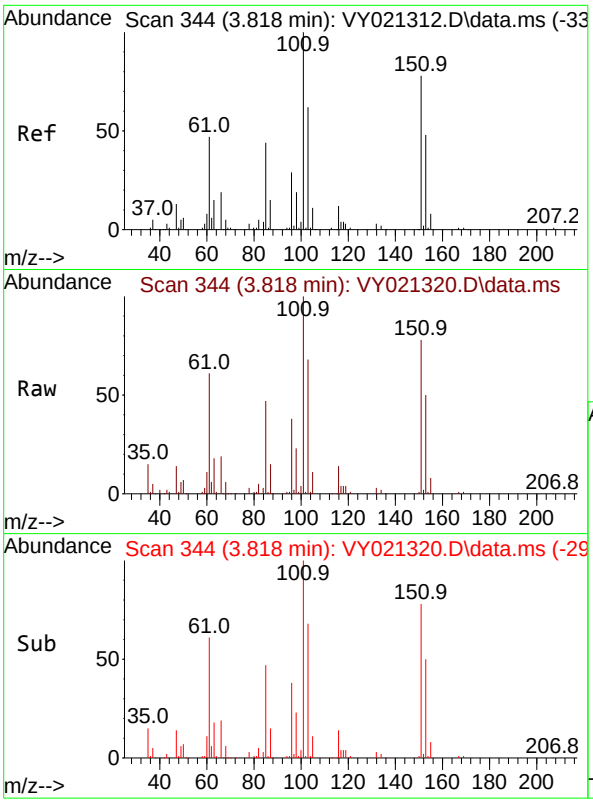


#8
Diethyl Ether
Concen: 49.537 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 74 Resp: 52323

Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.169 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 9610

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	77.0	62.6	94.0

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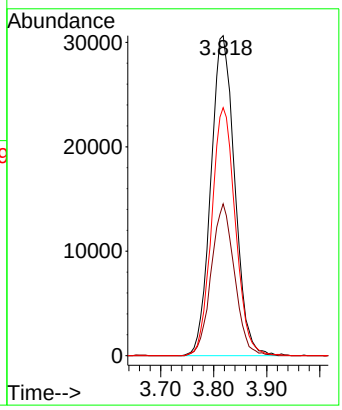
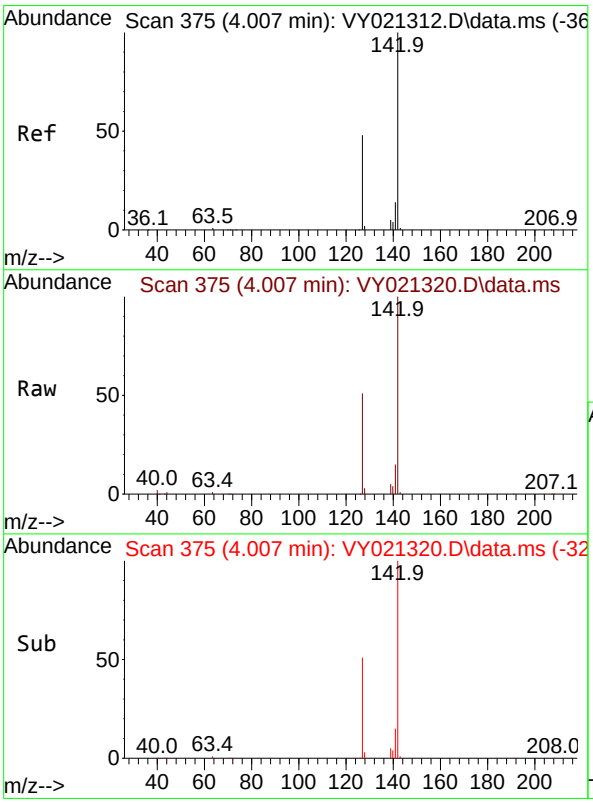
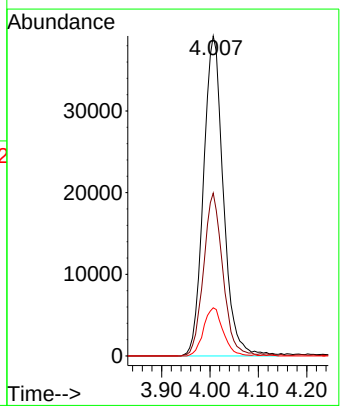


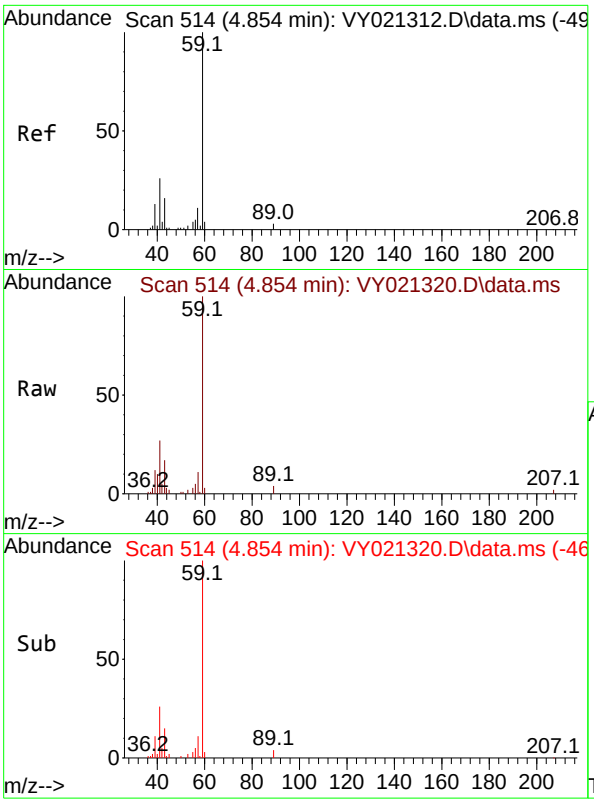


#10
Methyl Iodide
Concen: 52.212 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:142 Resp: 111918

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2

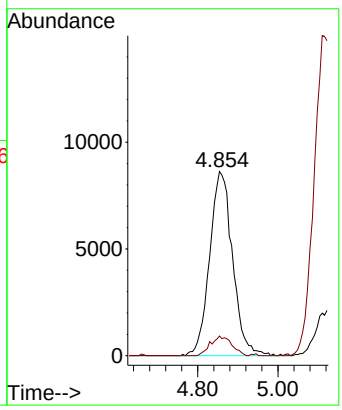




#11
Tert butyl alcohol
Concen: 202.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 59 Resp: 3421

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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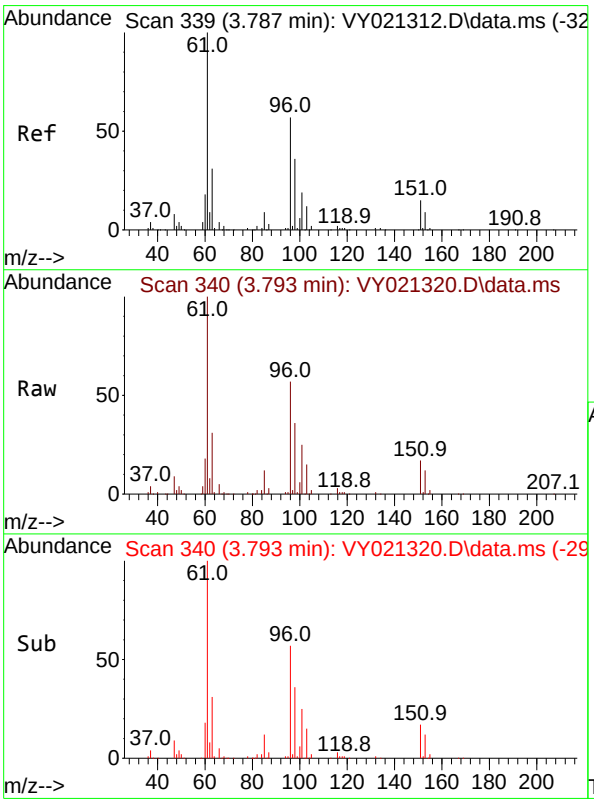
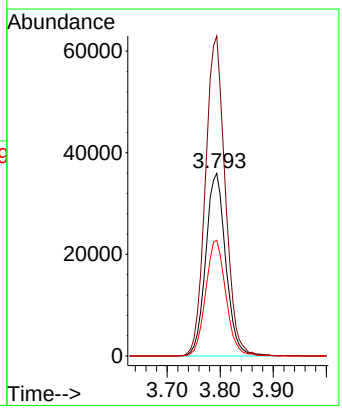
Supervised By :Mahesh Dadoda 02/27/2025

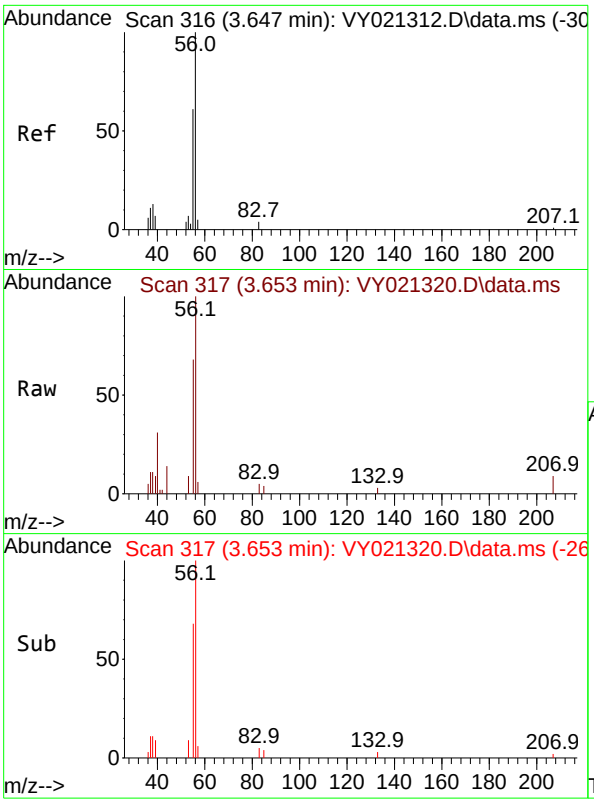


#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 94447

Ion	Ratio	Lower	Upper
96	100		
61	175.2	139.7	209.5
98	63.3	49.7	74.5

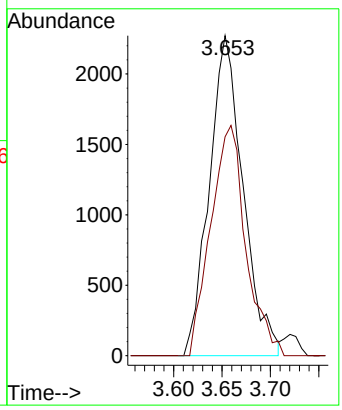




#13
Acrolein
Concen: 42.624 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 56 Resp: 552

Ion	Ratio	Lower	Upper
56	100		
55	74.4	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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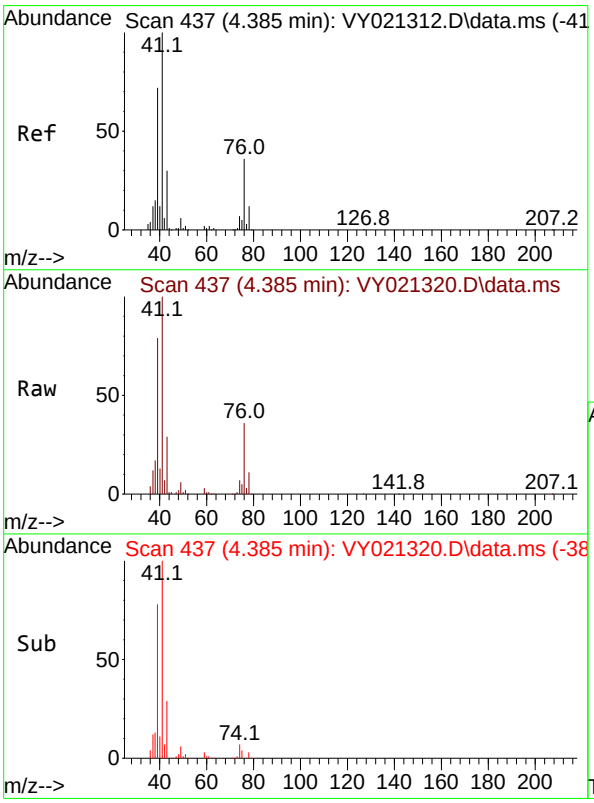
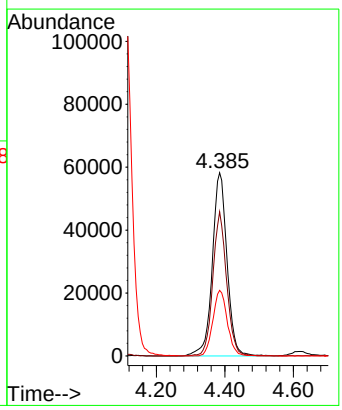
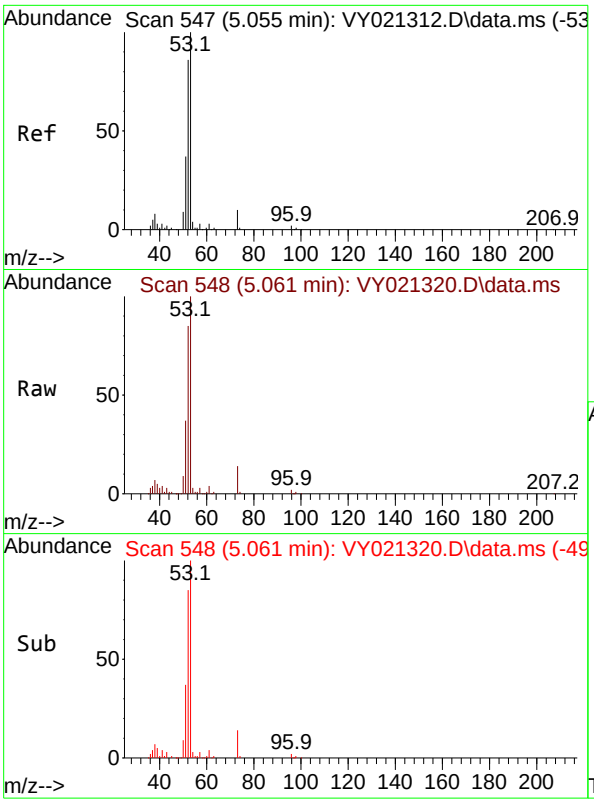


#14
Allyl chloride
Concen: 50.242 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 173778

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.0	90.0
76	35.2	29.0	43.6

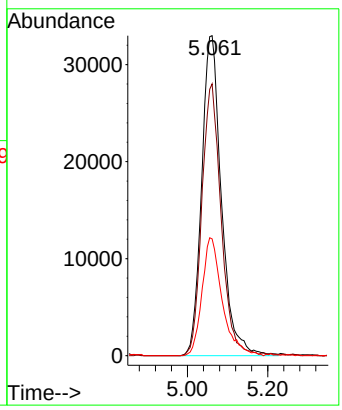




#15
Acrylonitrile
Concen: 241.892 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 53 Resp: 11296

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.7	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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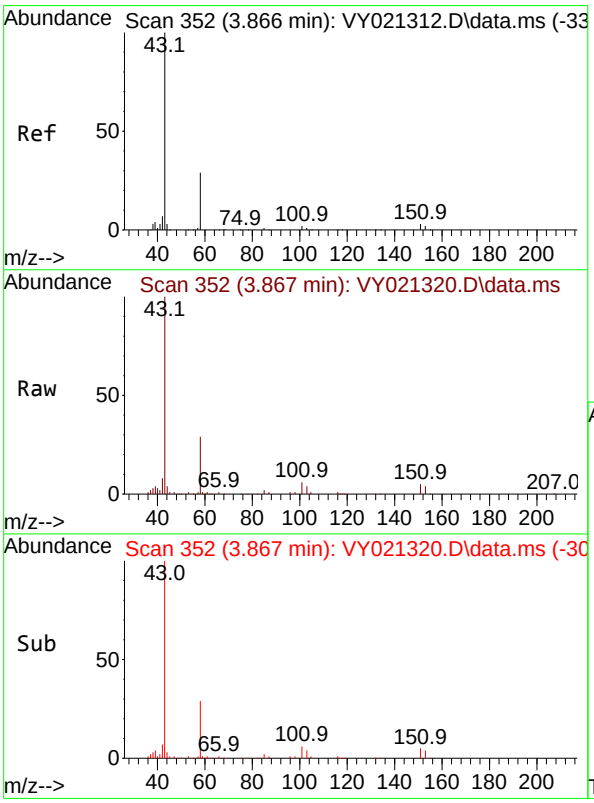
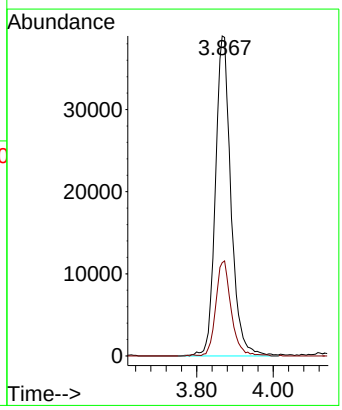
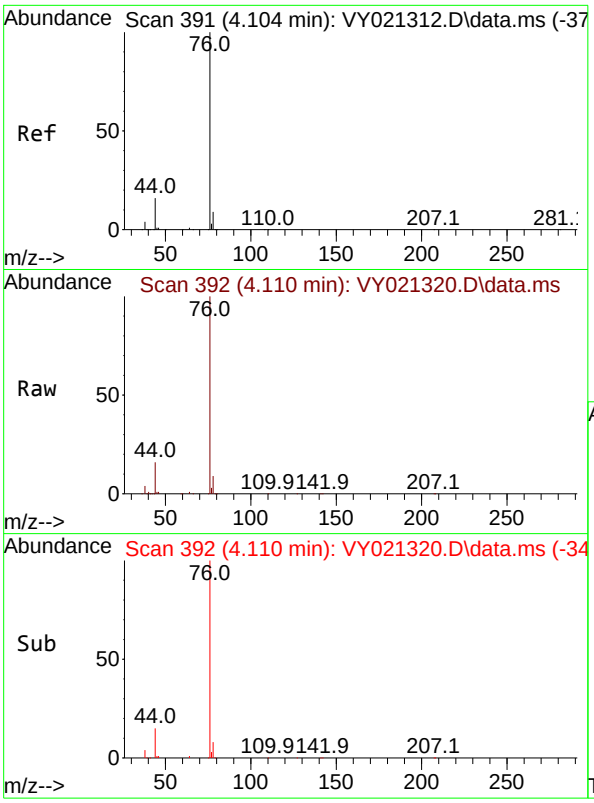


#16
Acetone
Concen: 260.267 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 109810

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.5	35.3





#17
Carbon Disulfide
Concen: 48.712 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 76 Resp: 31556

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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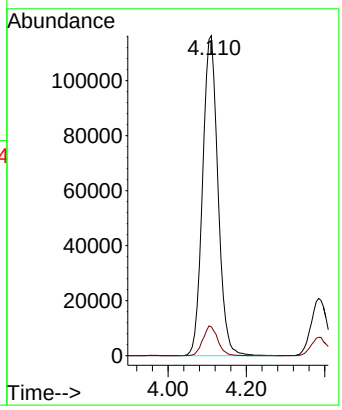
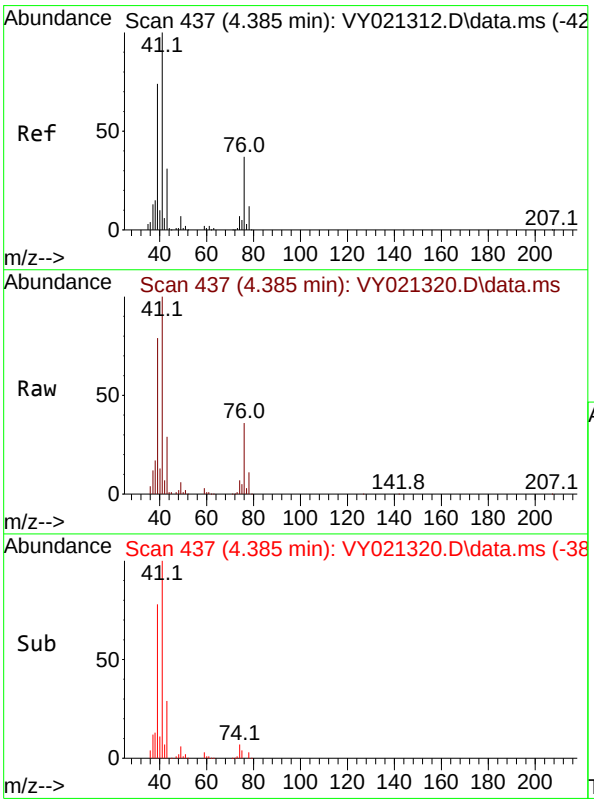
Supervised By :Mahesh Dadoda 02/27/2025

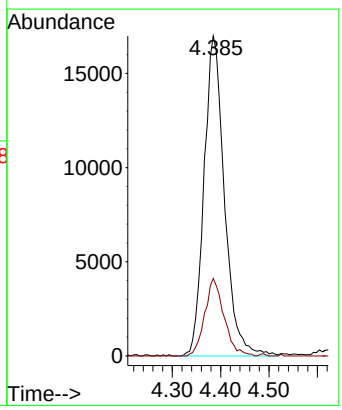


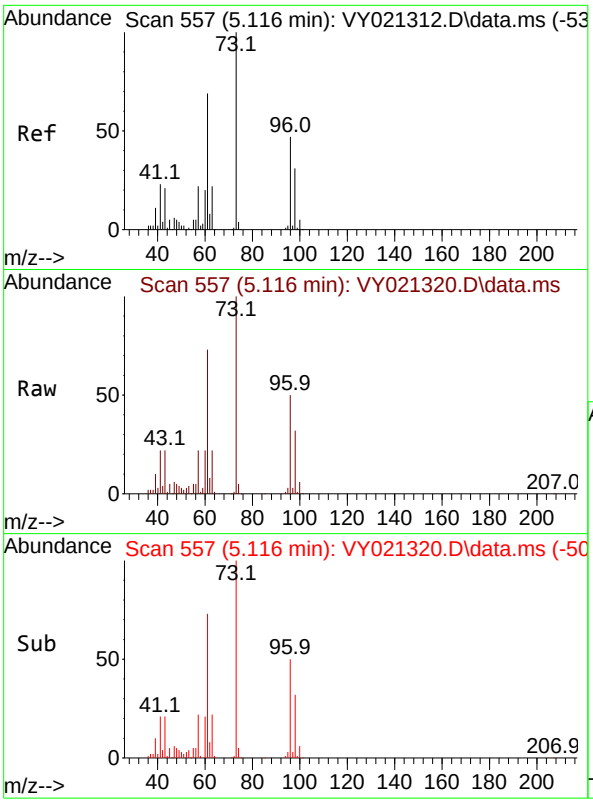


#18
Methyl Acetate
Concen: 48.342 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 49846

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5

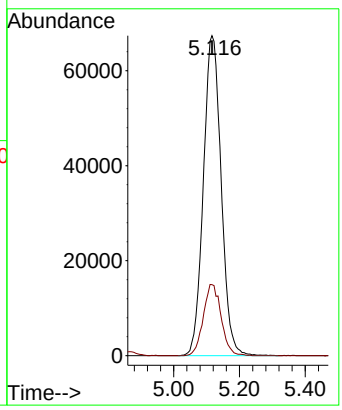




#19
Methyl tert-butyl Ether
Concen: 49.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 73 Resp: 25362

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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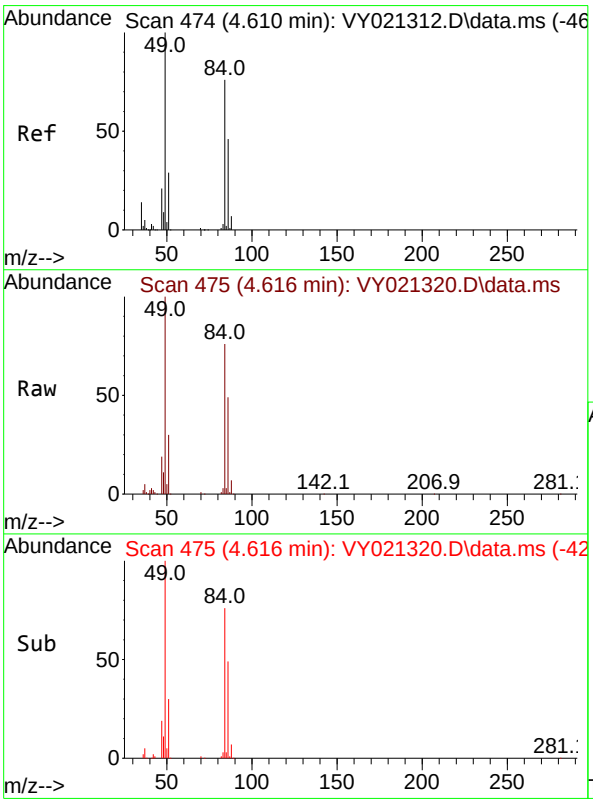
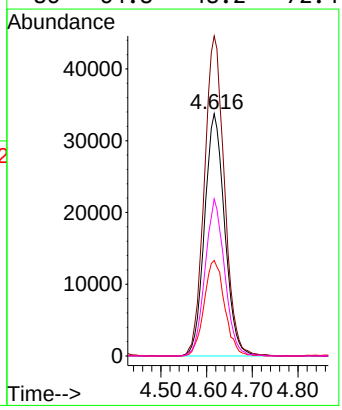
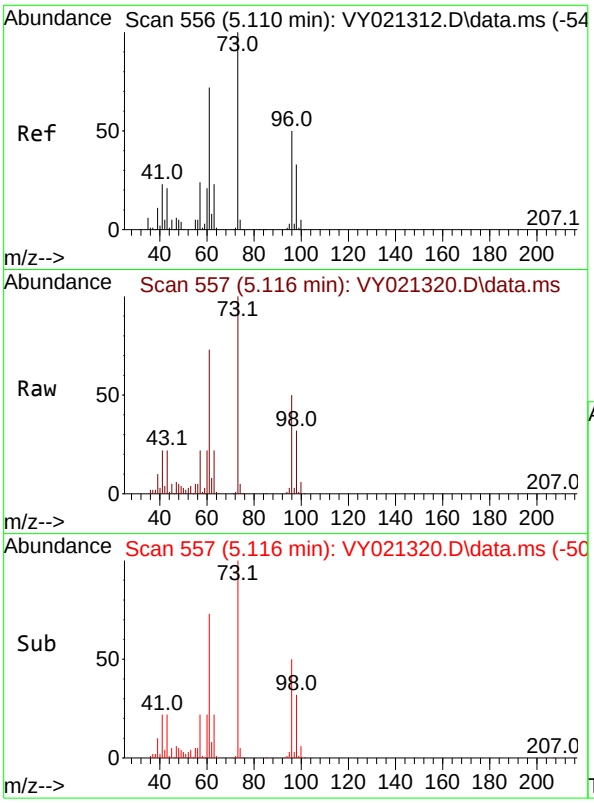


#20
Methylene Chloride
Concen: 45.263 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 84 Resp: 103268

Ion	Ratio	Lower	Upper
84	100		
49	132.1	105.1	157.7
51	39.5	31.0	46.4
86	64.8	48.2	72.4

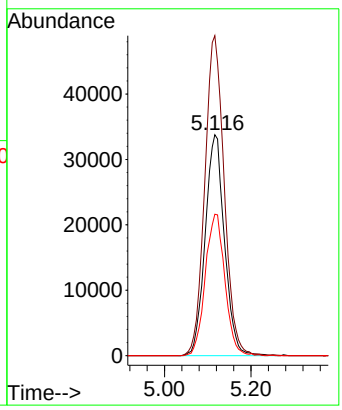




#21
trans-1,2-Dichloroethene
Concen: 48.708 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 10460

Ion	Ratio	Lower	Upper
96	100		
61	144.8	116.3	174.5
98	64.0	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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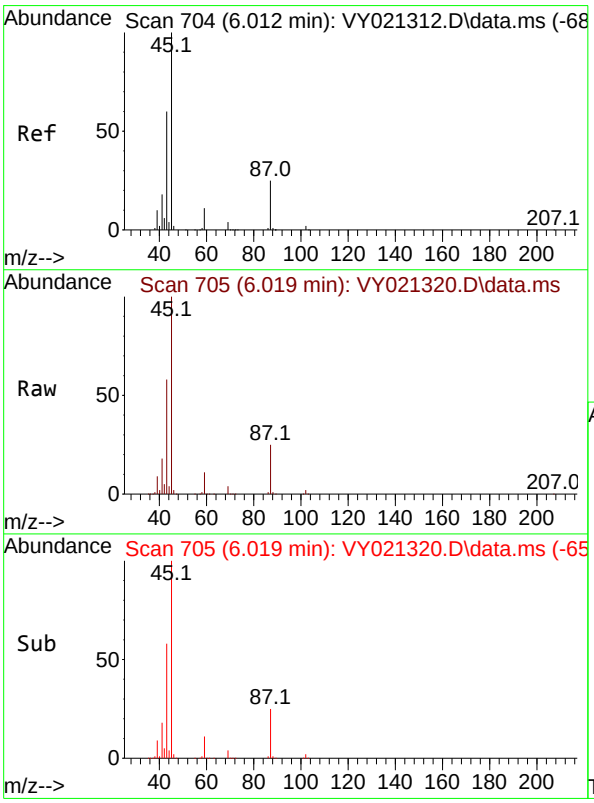
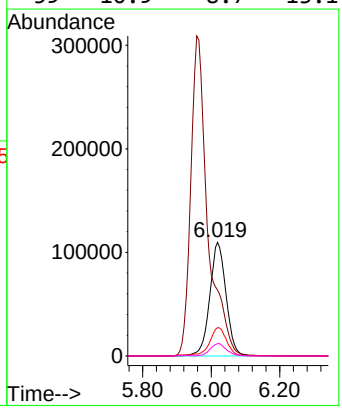
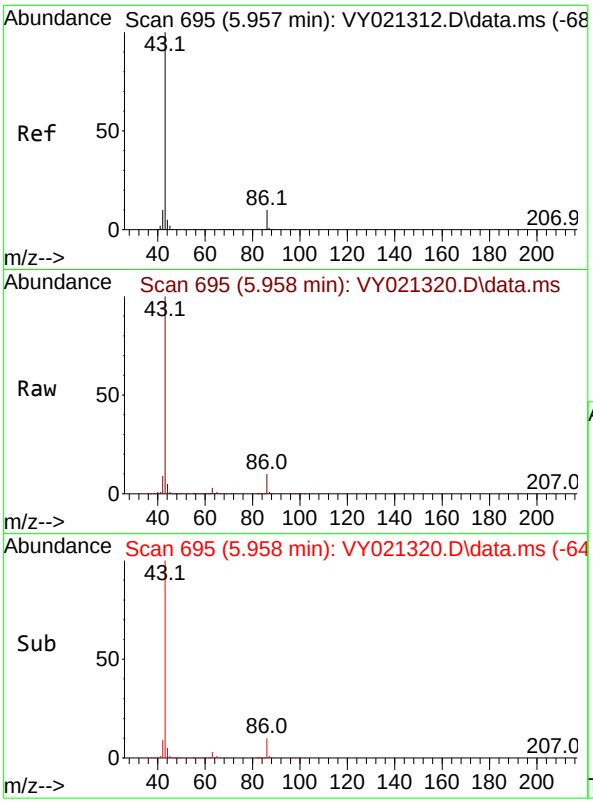


#22
Diisopropyl ether
Concen: 50.442 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 45 Resp: 361038

Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.2	72.4
87	24.9	20.3	30.5
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 249.197 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 106584

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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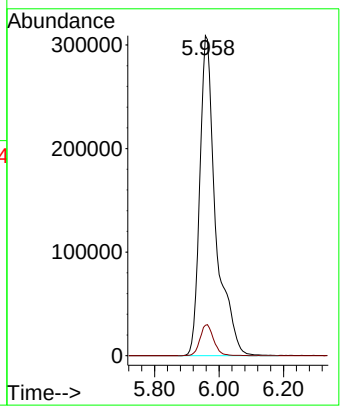
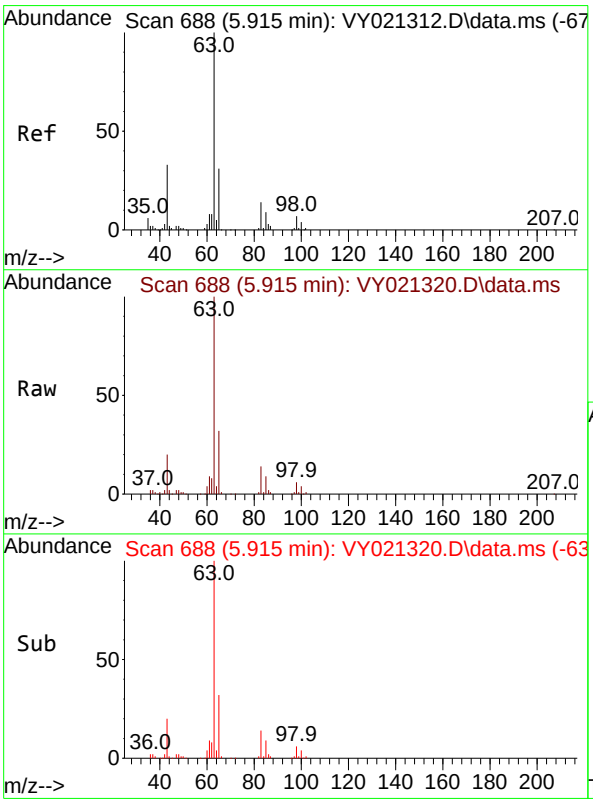
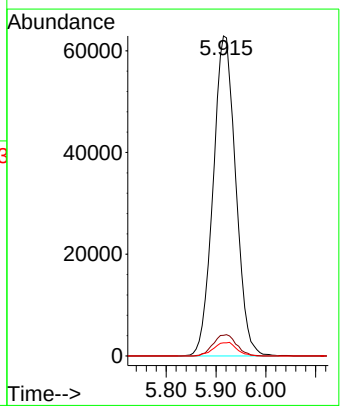


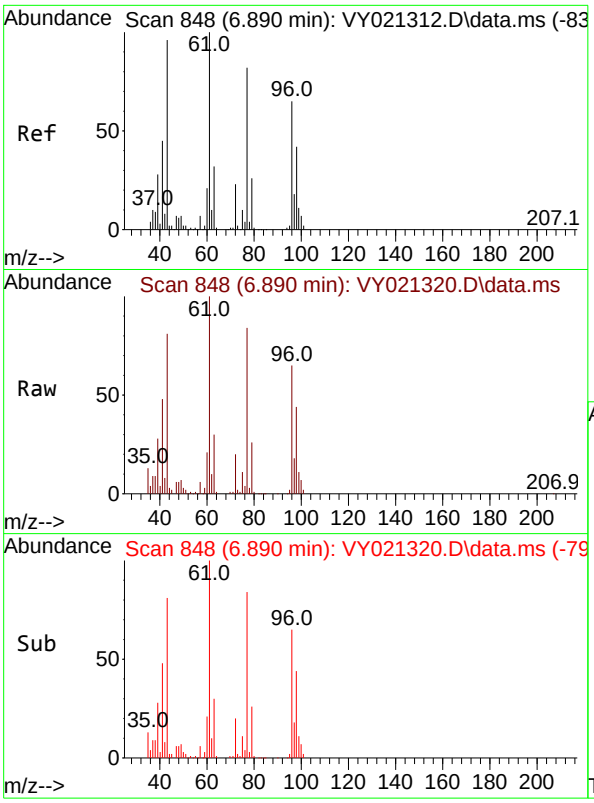


#24
1,1-Dichloroethane
Concen: 49.069 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 197949

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 246.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 15728

Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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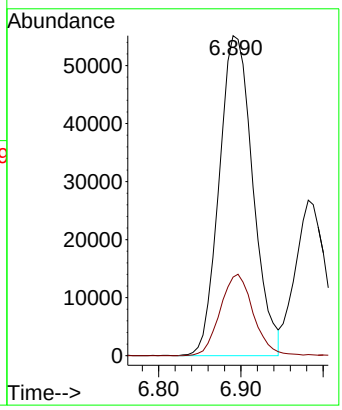
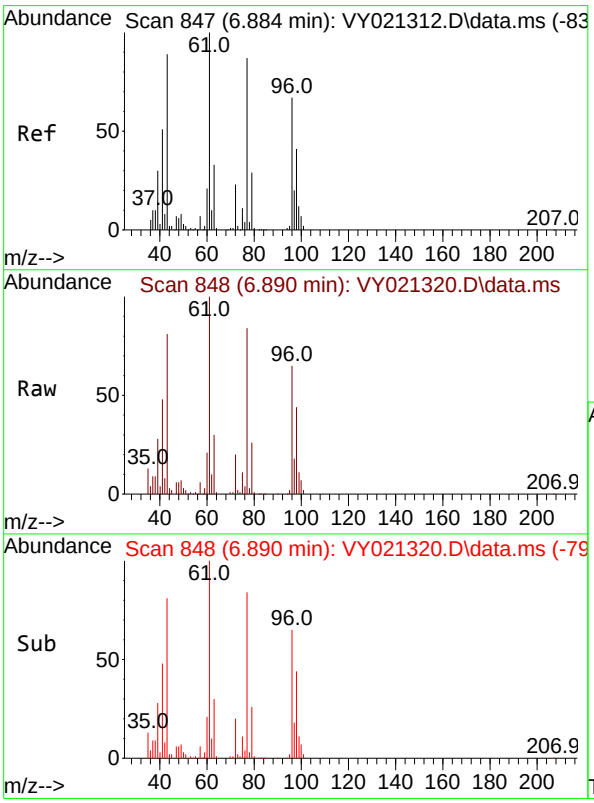
Supervised By :Mahesh Dadoda 02/27/2025

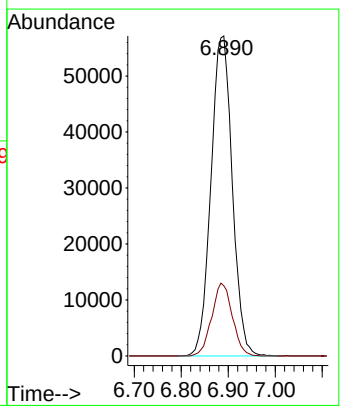


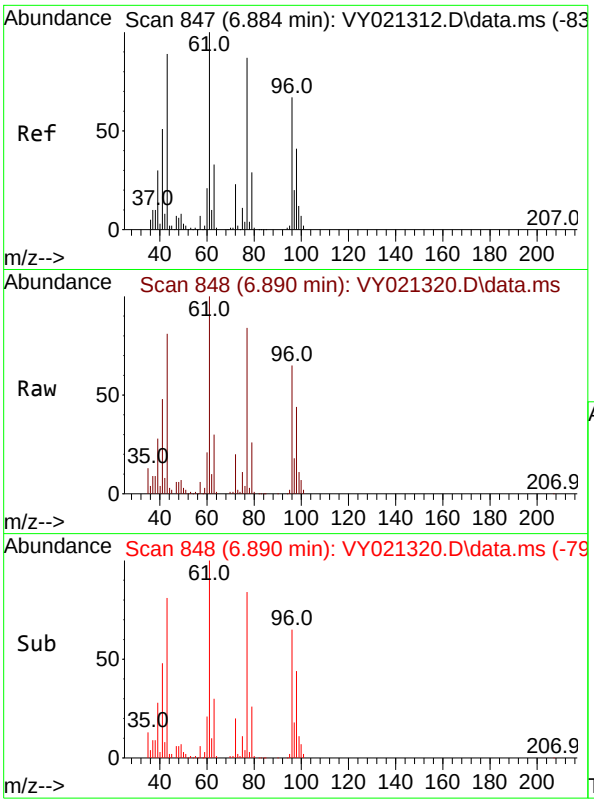


#26
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 77 Resp: 180065

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7

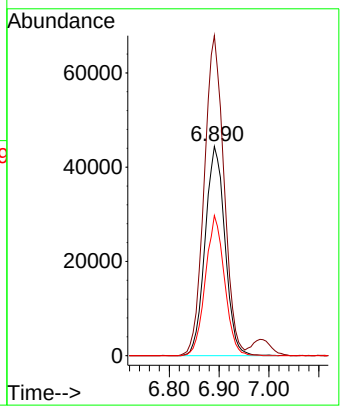




#27
cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 12275

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	64.6	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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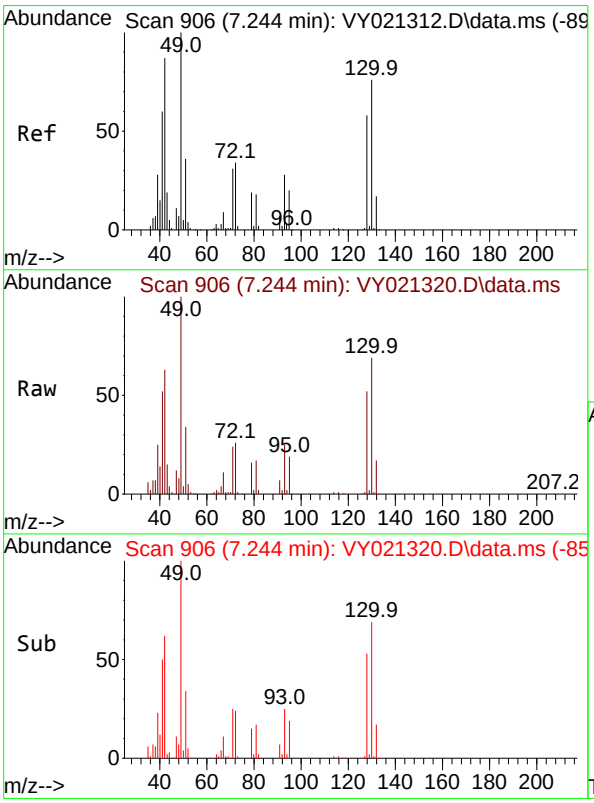
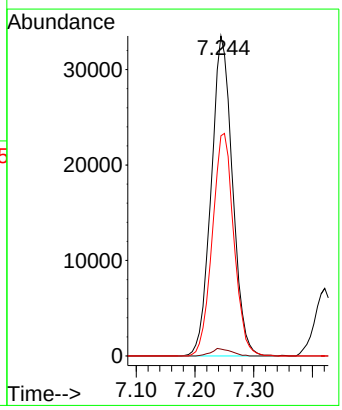
Supervised By :Mahesh Dadoda 02/27/2025

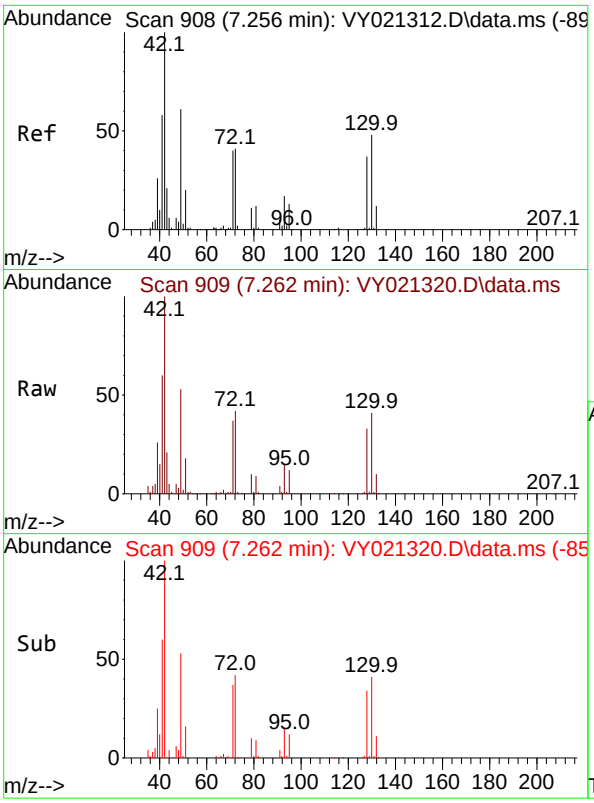


#28
Bromochloromethane
Concen: 47.247 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 49 Resp: 84337

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	70.3	57.8	86.6





#29
Tetrahydrofuran
Concen: 238.435 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 42 Resp: 9924

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	39.1	31.4	47.0

Instrument :
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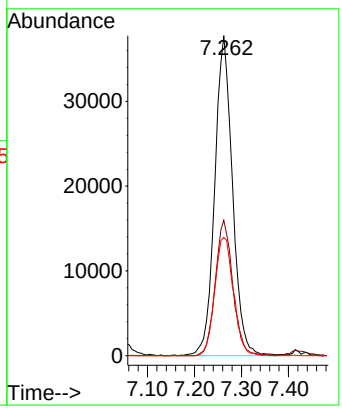
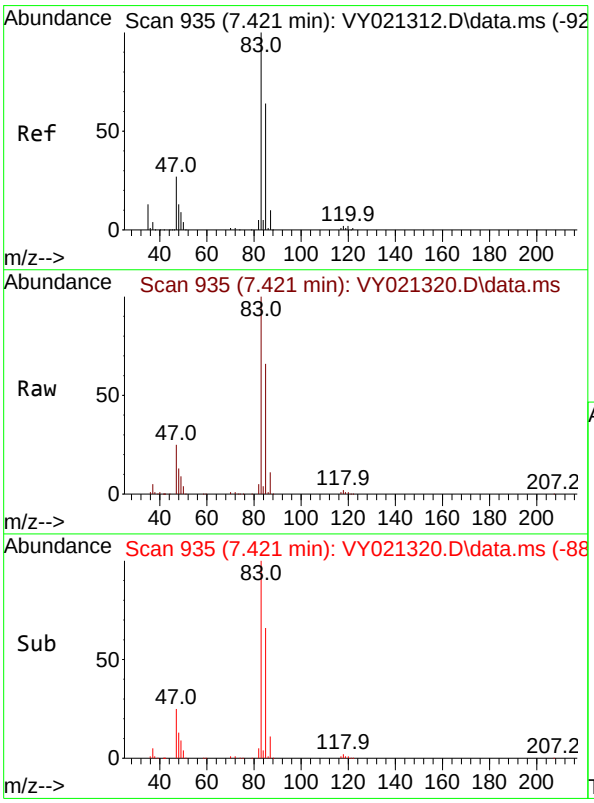
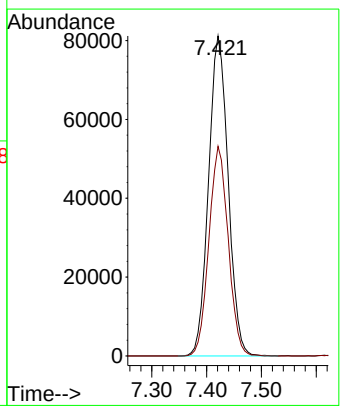


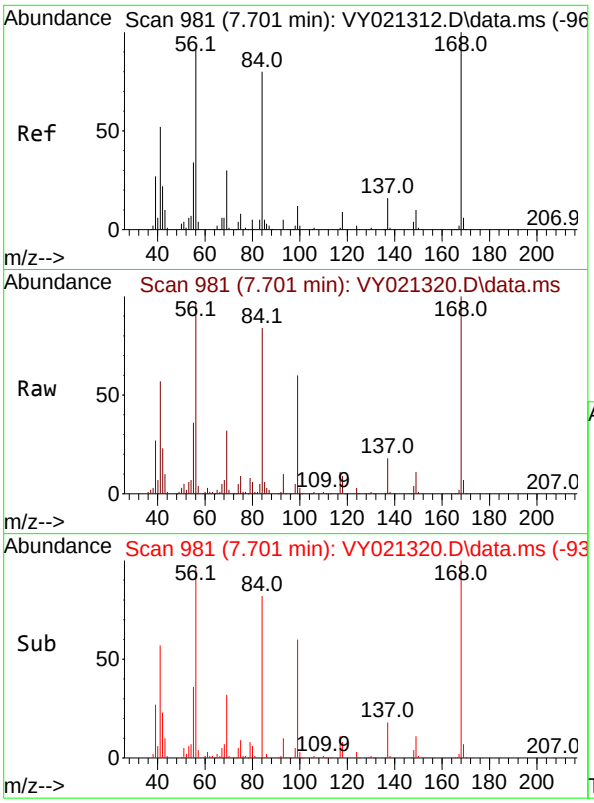


#30
Chloroform
Concen: 49.253 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 201334

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4

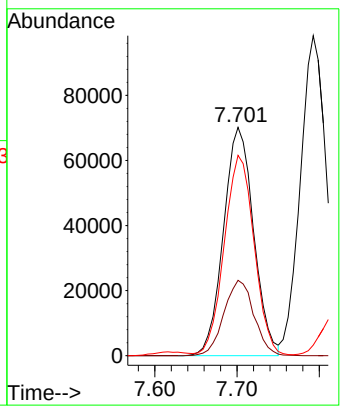




#31
Cyclohexane
Concen: 46.094 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 56 Resp: 17874

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	86.1	70.2	105.4



Instrument :
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ClientSampleId :
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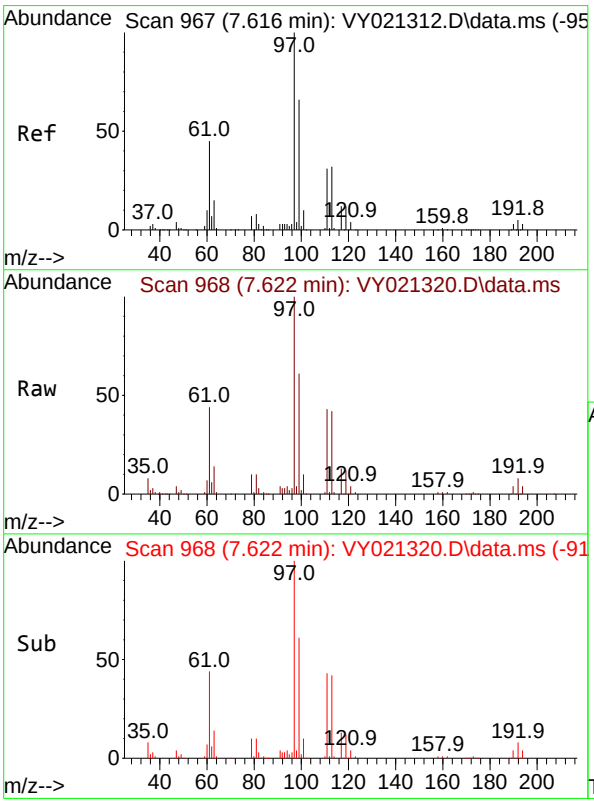
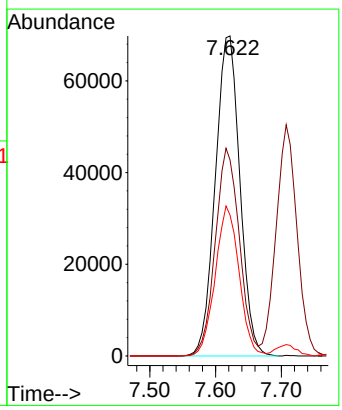
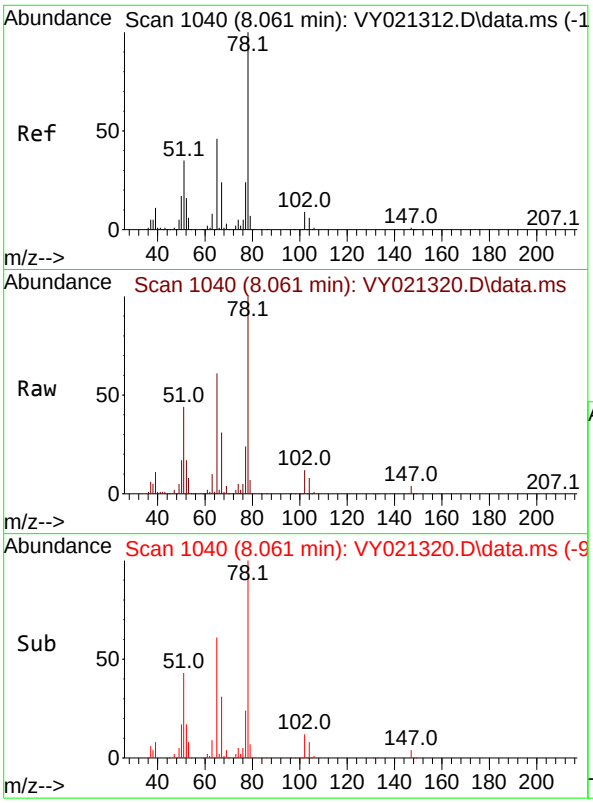


#32
1,1,1-Trichloroethane
Concen: 48.795 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 181553

Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	45.6	36.2	54.2

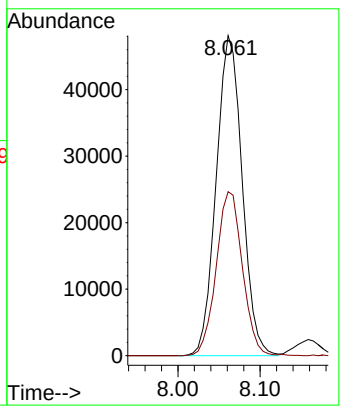




#33
1,2-Dichloroethane-d4
Concen: 47.987 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 65 Resp: 10554

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
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ClientSampleId :
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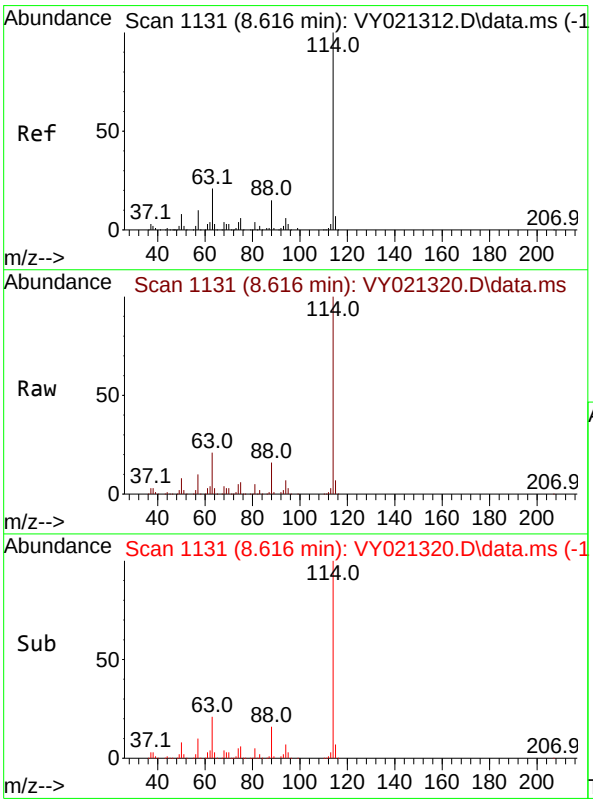
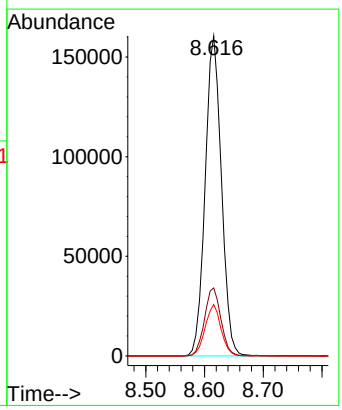
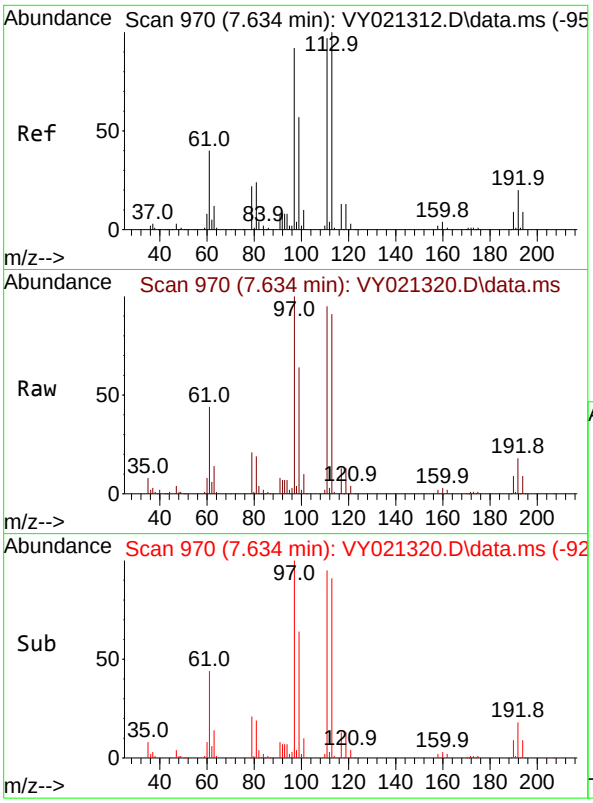


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:114 Resp: 308714

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.2
88	16.0	0.0	29.8

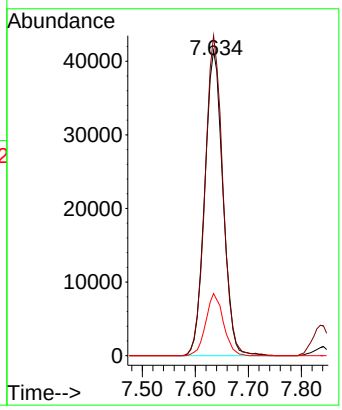




#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:113 Resp: 9865

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.6
192	19.8	15.8	23.8



Instrument :
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ClientSampleId :
VSTDCCC050

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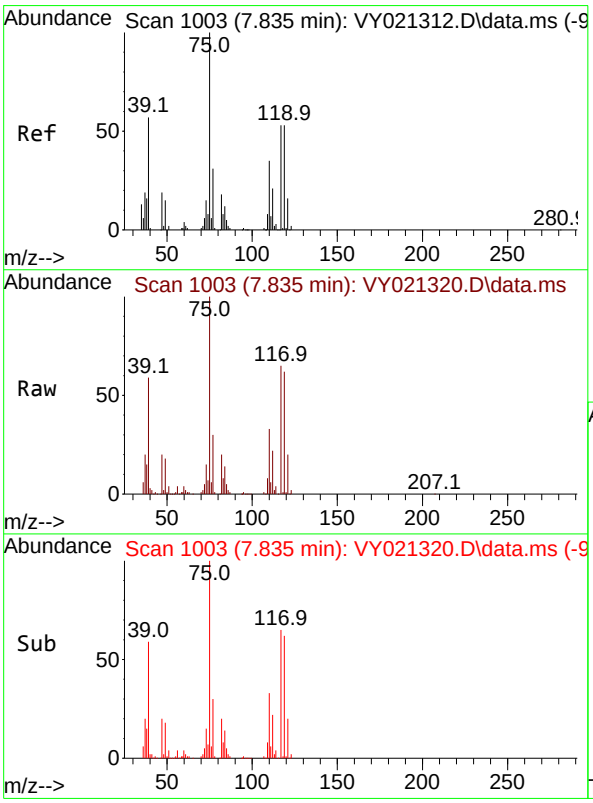
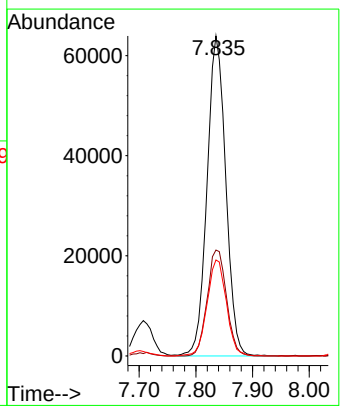
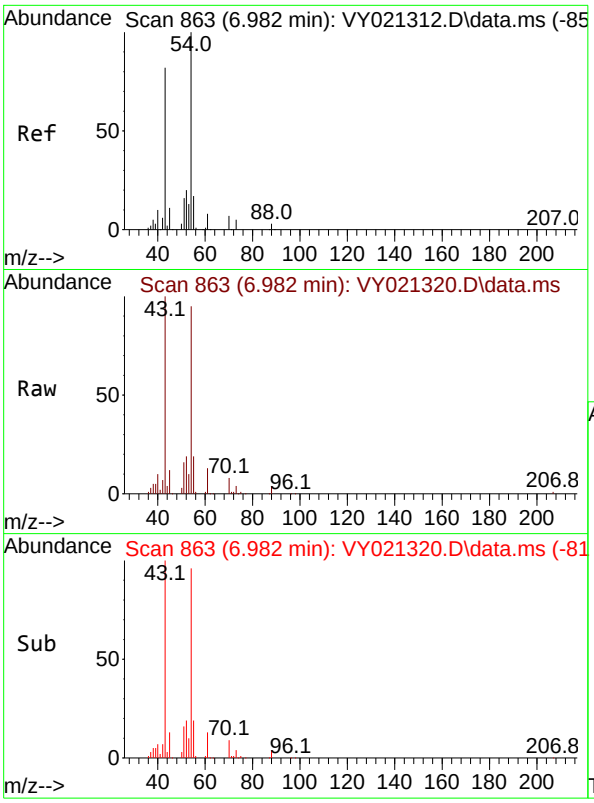


#36
1,1-Dichloropropene
Concen: 48.254 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 146702

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	30.9	24.6	36.8





#37
Ethyl Acetate
Concen: 48.080 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 7271

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.2	7.5	11.3

Instrument :
MSVOA_Y
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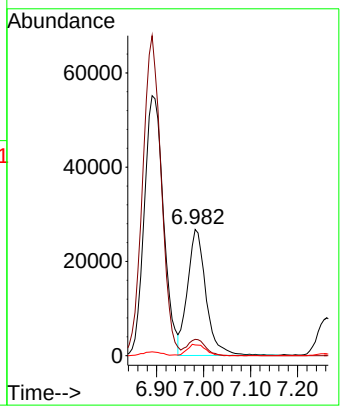
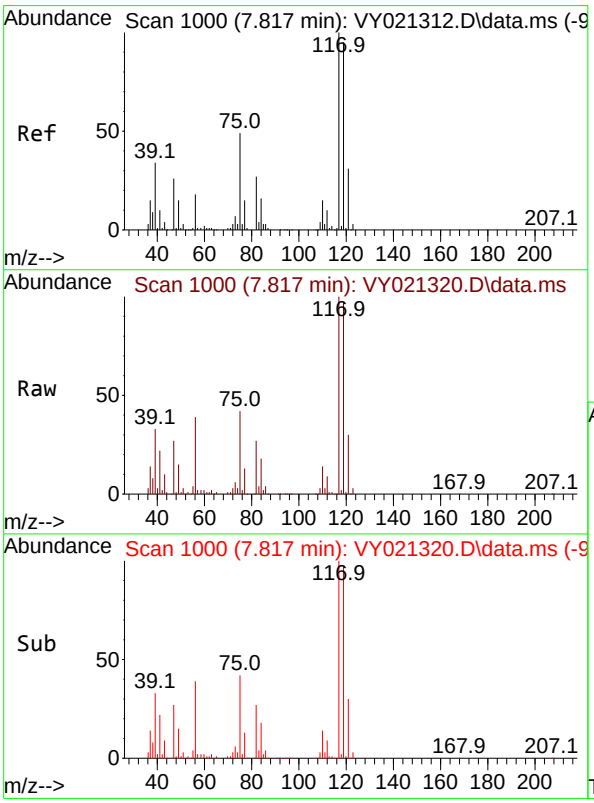
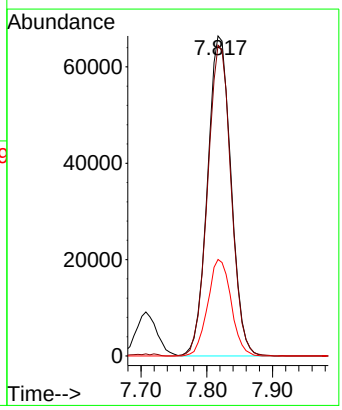


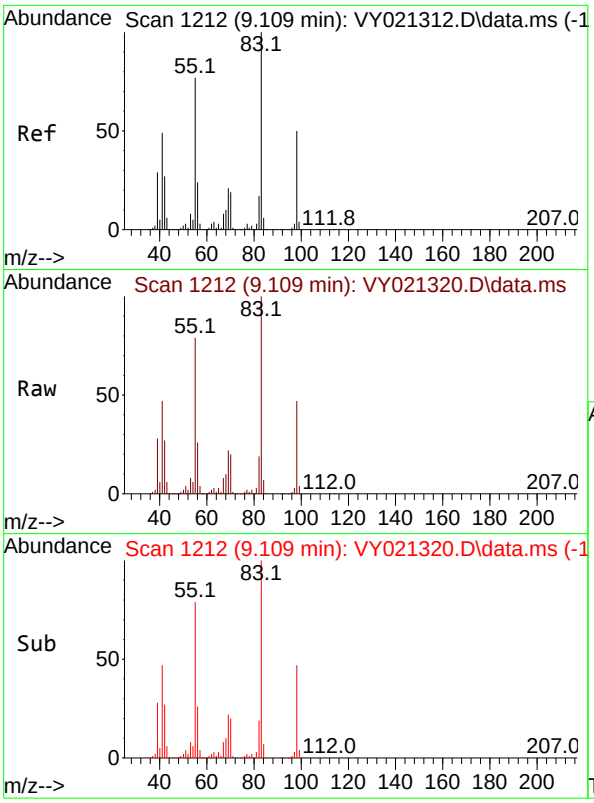


#38
Carbon Tetrachloride
Concen: 48.402 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 165430

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.0	114.0
121	30.1	24.9	37.3

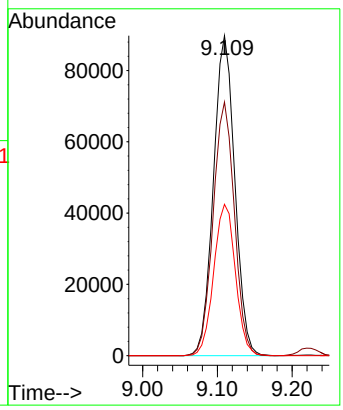




#39
Methylcyclohexane
Concen: 46.422 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 17850

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.3	91.9
98	47.3	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
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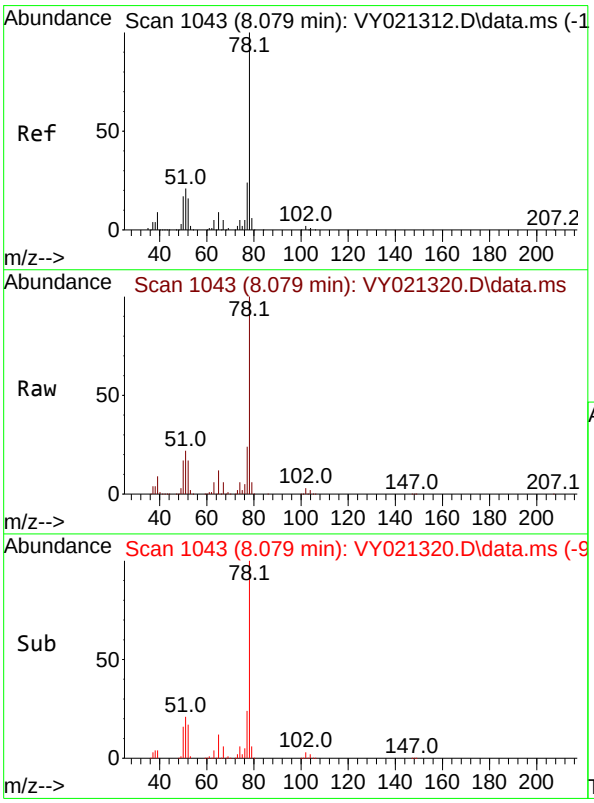
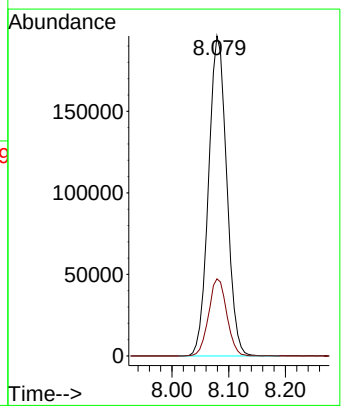
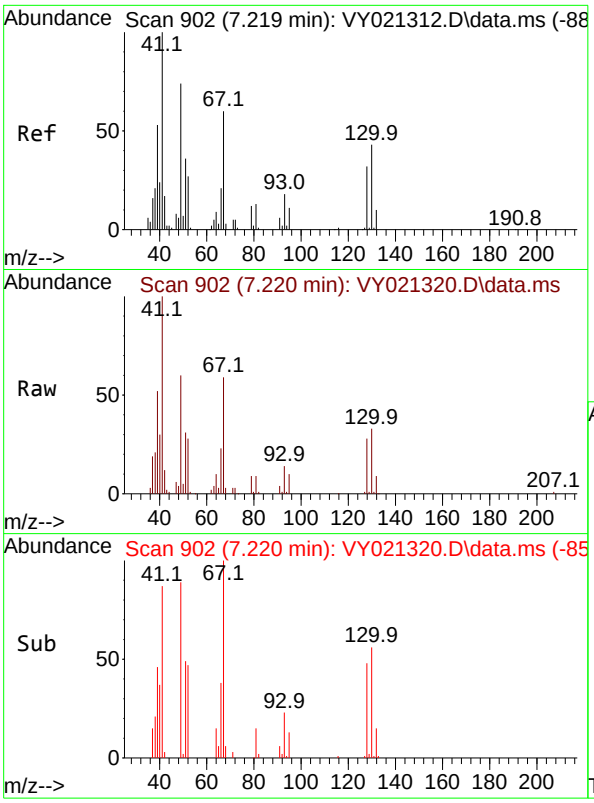


#40
Benzene
Concen: 48.593 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 78 Resp: 436709

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8

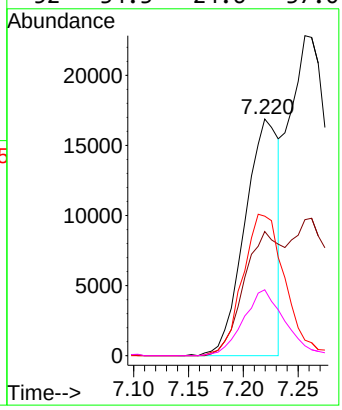




#41
Methacrylonitrile
Concen: 42.766 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 3616

Ion	Ratio	Lower	Upper
41	100		
39	61.0	42.3	63.5
67	75.4	54.8	82.2
52	34.3	24.6	37.0



Instrument :
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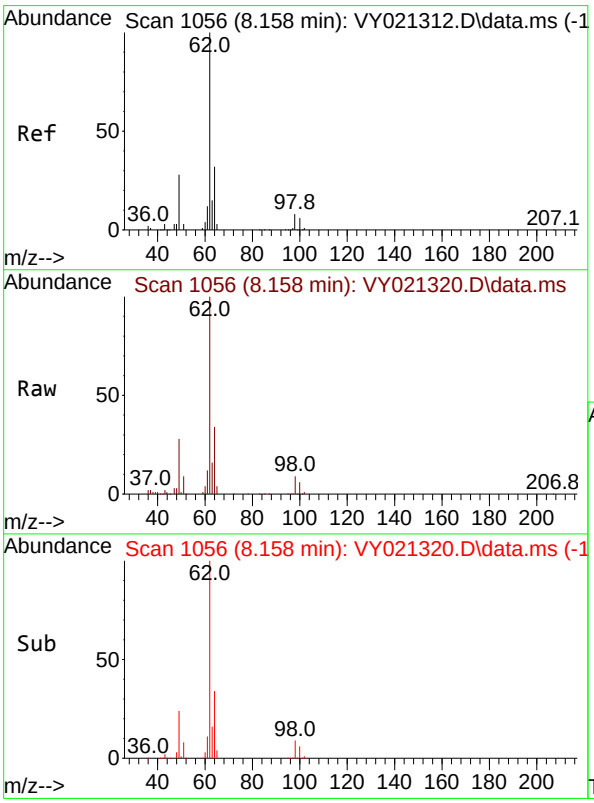
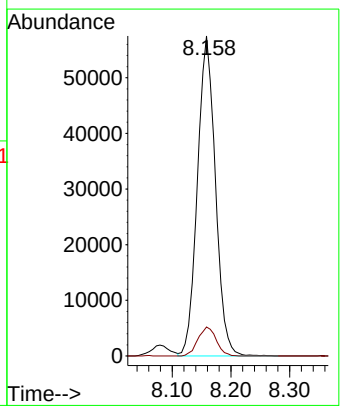
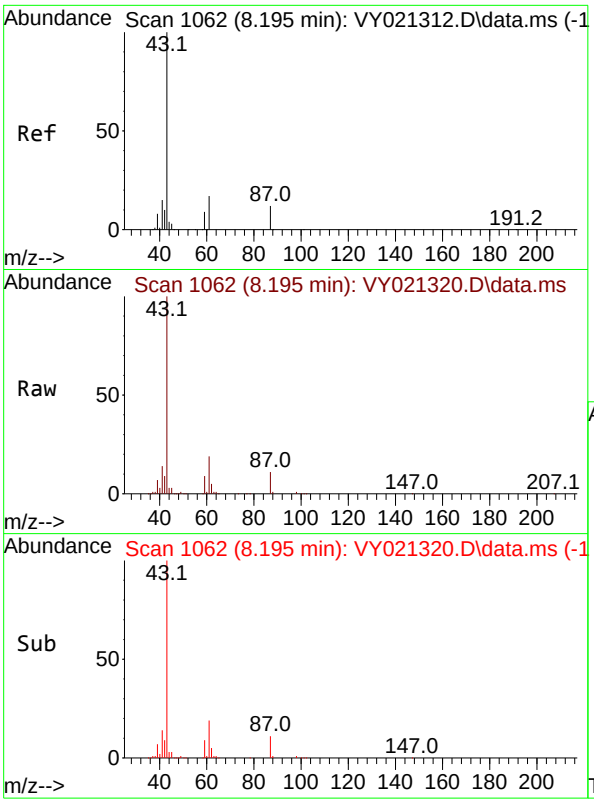


#42
1,2-Dichloroethane
Concen: 47.978 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 122335

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6

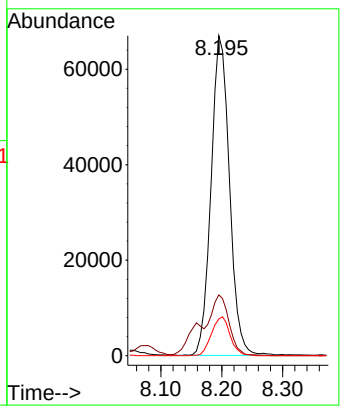




#43
Isopropyl Acetate
Concen: 47.984 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 14045

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.0	22.6
87	12.3	10.0	15.0



Instrument :
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ClientSampleId :
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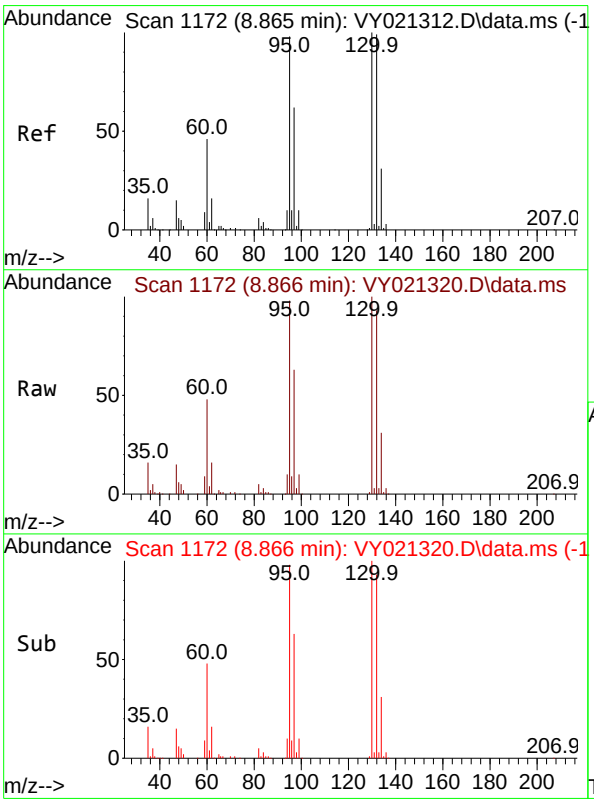
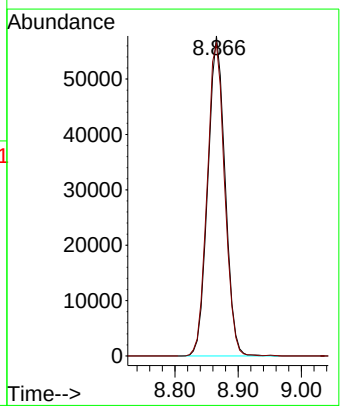
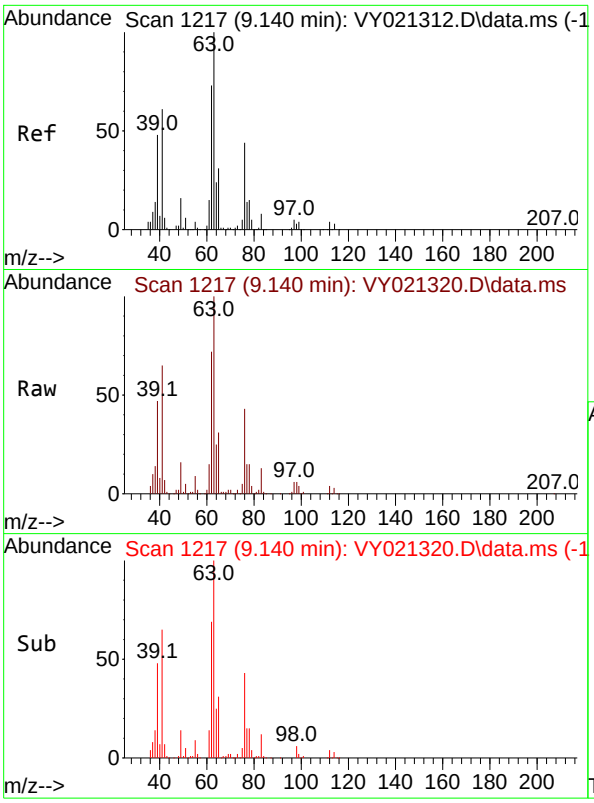


#44
Trichloroethene
Concen: 48.665 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:130 Resp: 109499

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	196.0

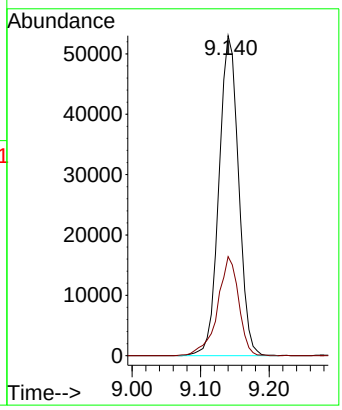




#45
1,2-Dichloropropane
Concen: 48.637 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 10519

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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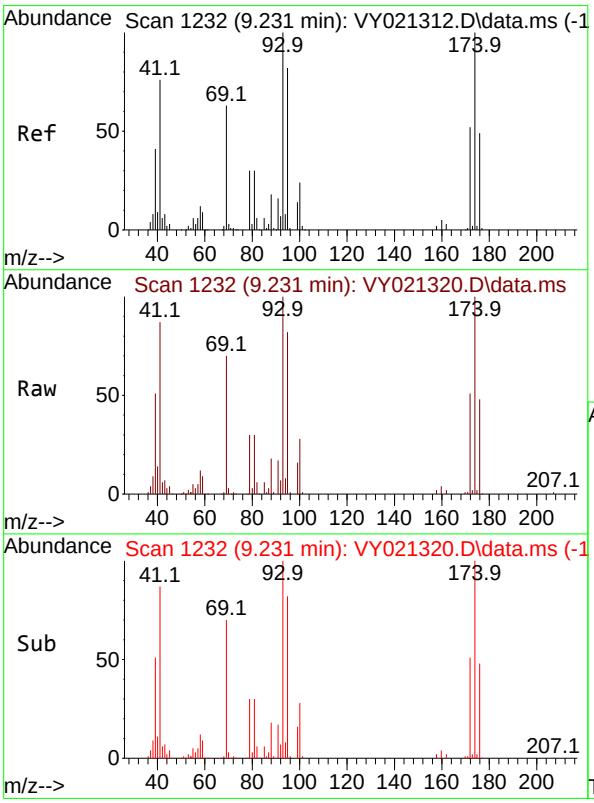
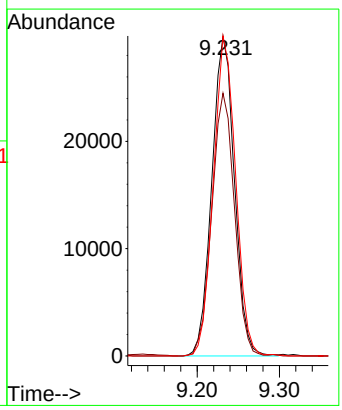
Supervised By :Mahesh Dadoda 02/27/2025

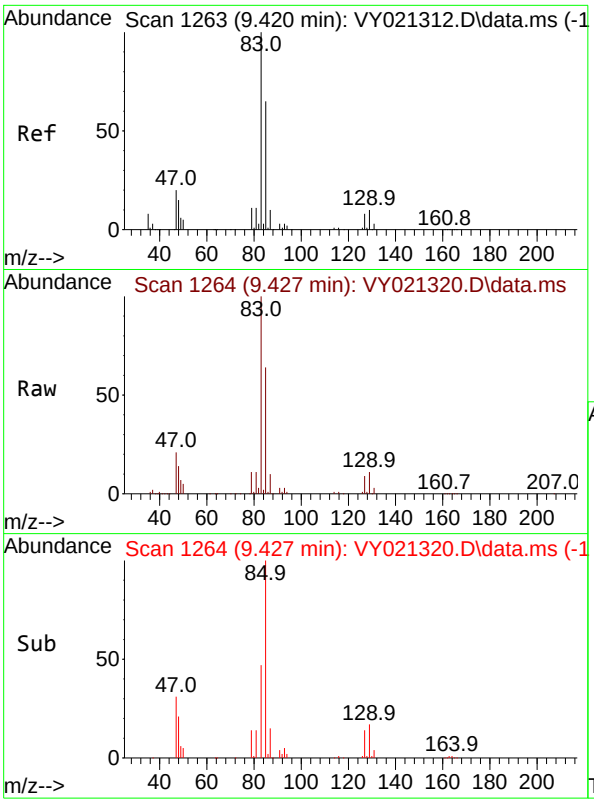


#46
Dibromomethane
Concen: 48.195 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 93 Resp: 56977

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.4	99.6
174	98.8	78.2	117.2

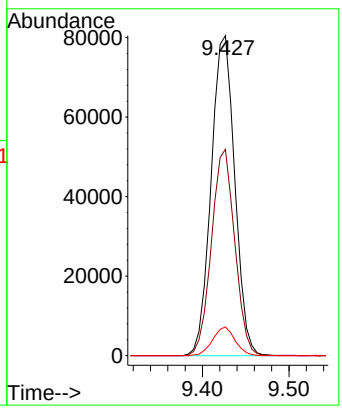




#47
Bromodichloromethane
Concen: 48.352 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 15241

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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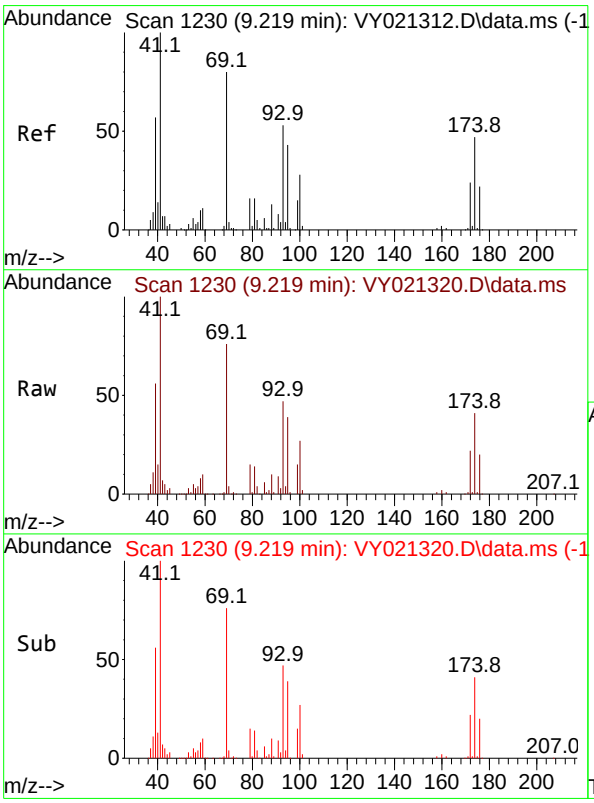
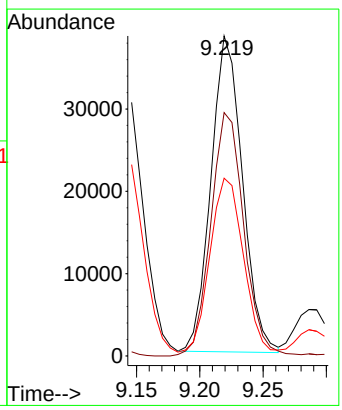
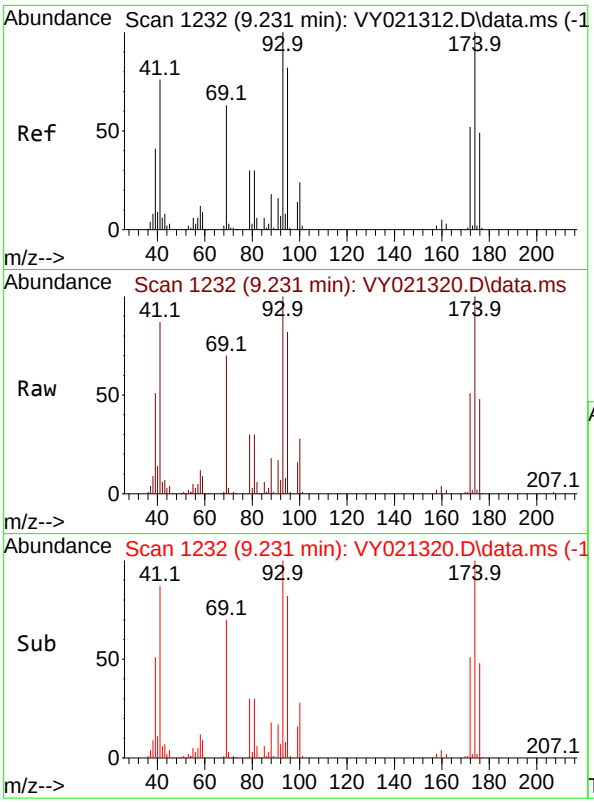


#48
Methyl methacrylate
Concen: 48.481 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 66362

Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.3	94.9
39	58.6	45.0	67.6





#49
1,4-Dioxane
Concen: 944.605 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 88 Resp: 1241

Ion	Ratio	Lower	Upper
88	100		
43	35.7	34.8	52.2
58	74.3	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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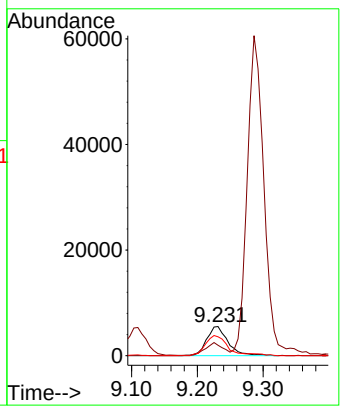
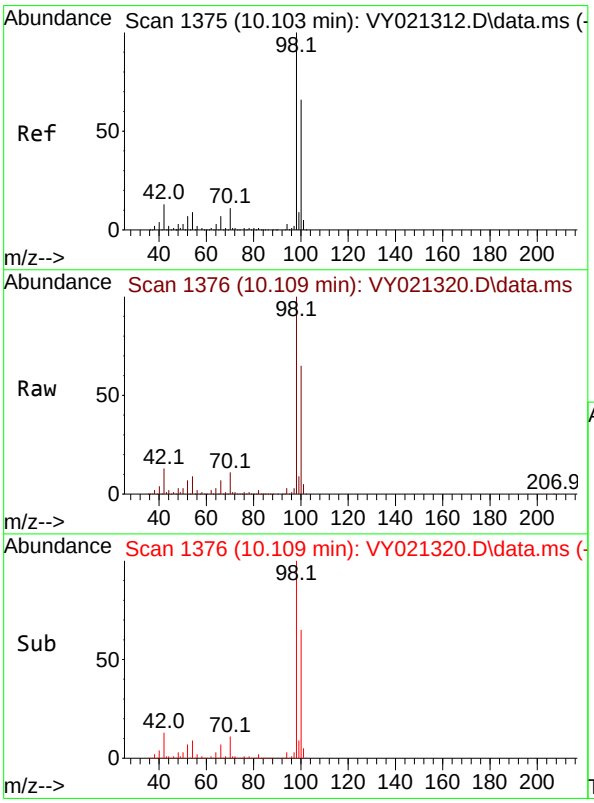
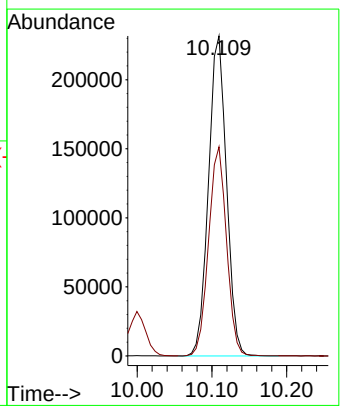


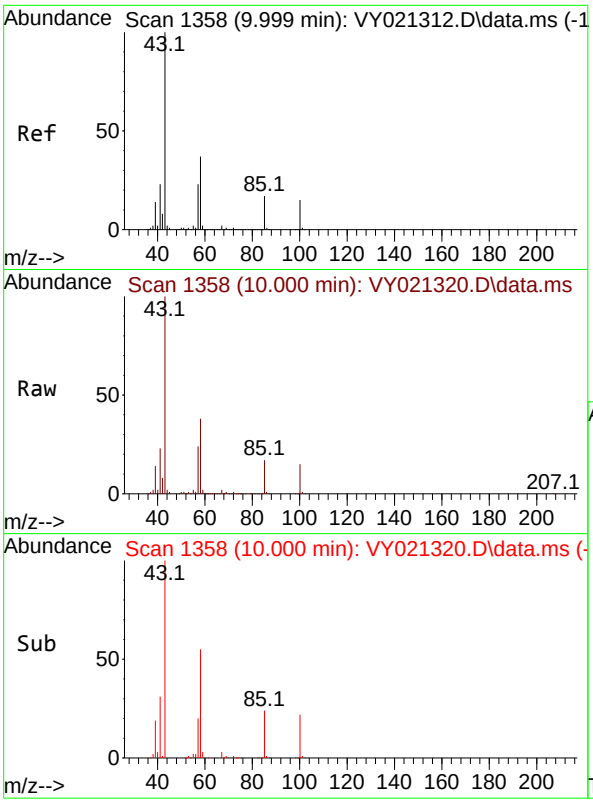


#50
Toluene-d8
Concen: 49.599 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 98 Resp: 387966

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6

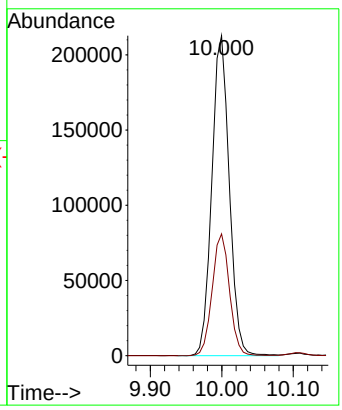




#51
4-Methyl-2-Pentanone
Concen: 240.853 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 36089

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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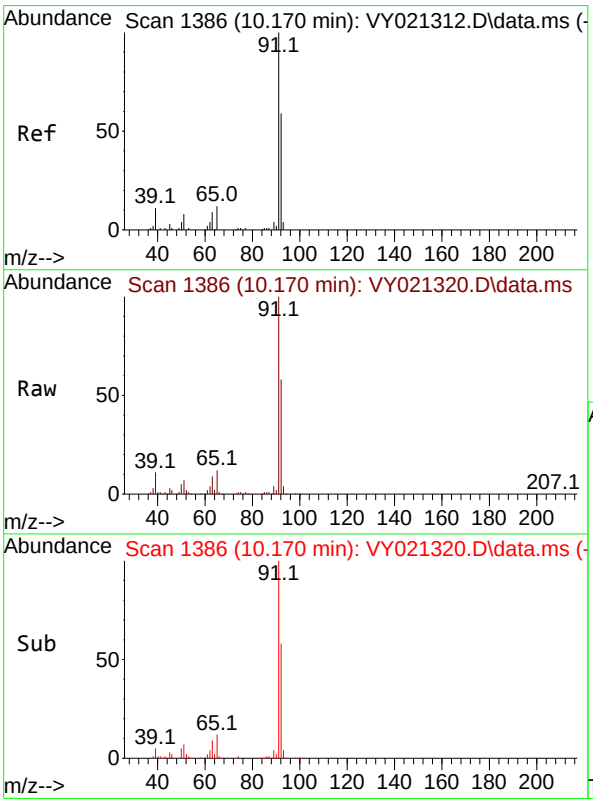
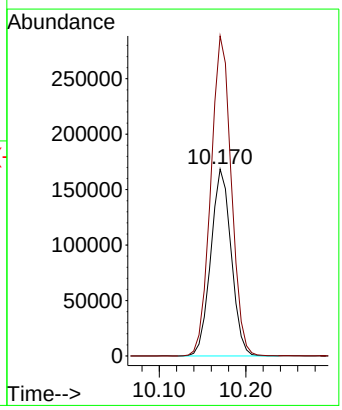
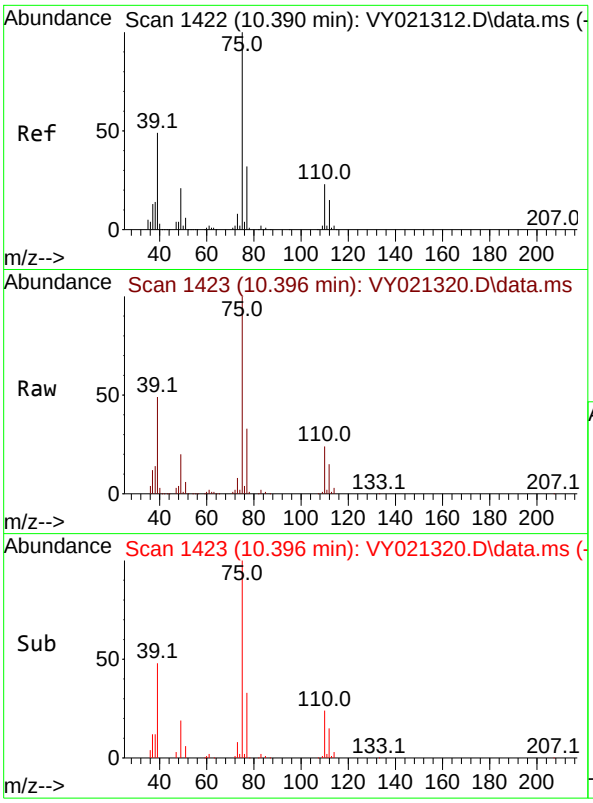


#52
Toluene
Concen: 49.351 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 92 Resp: 275527

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 49.988 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 14436

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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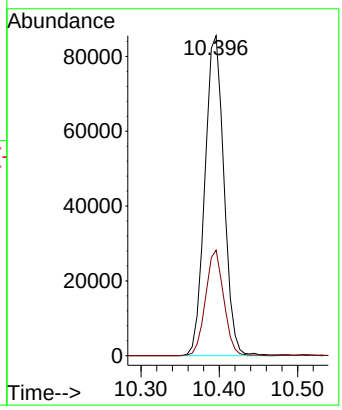
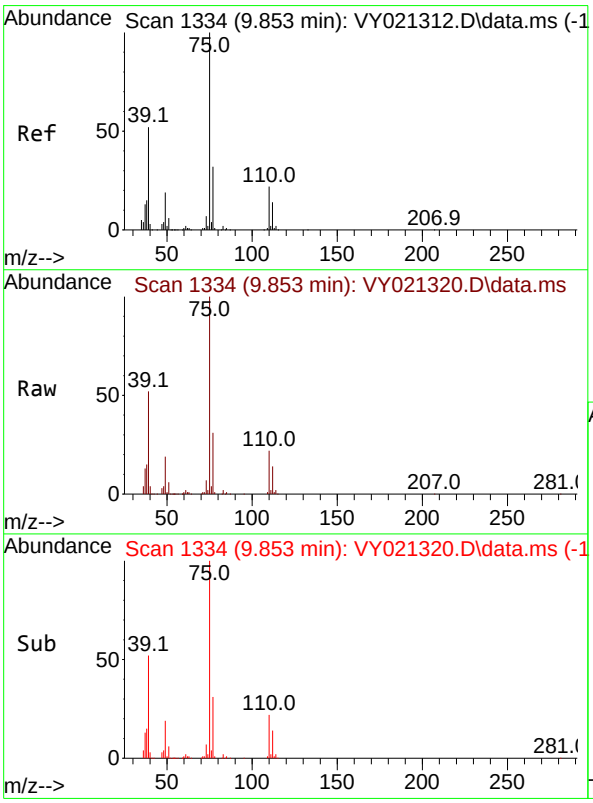
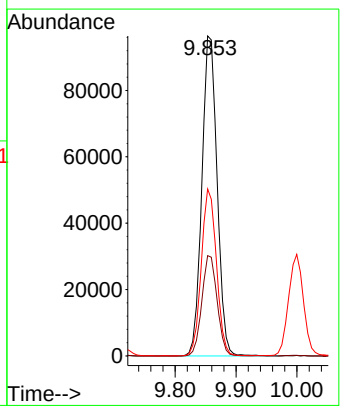


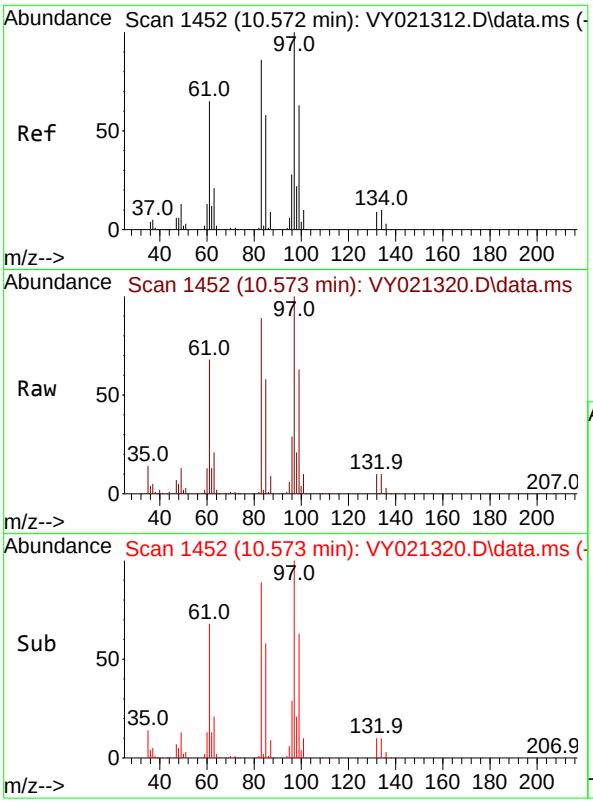


#54
cis-1,3-Dichloropropene
Concen: 49.192 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 167718

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	52.1	41.8	62.6

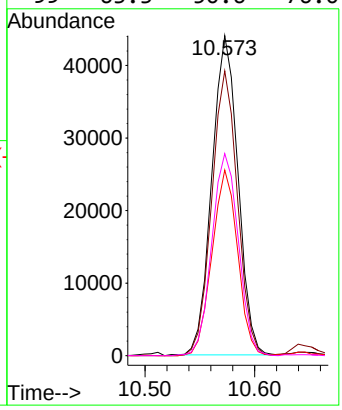




#55
1,1,2-Trichloroethane
Concen: 47.334 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 7289

Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.7	103.1
85	58.2	46.3	69.5
99	63.3	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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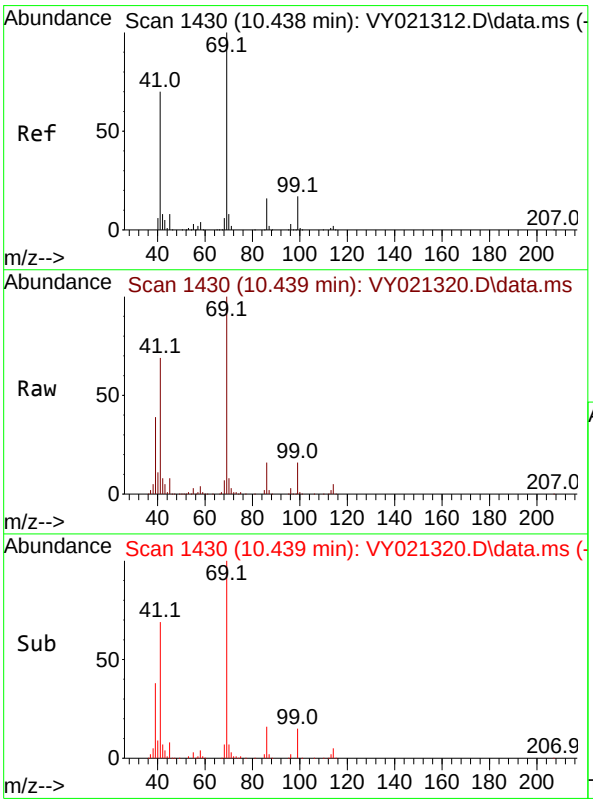
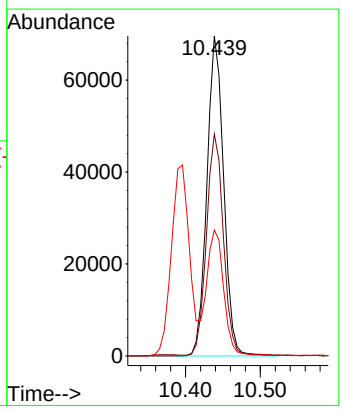
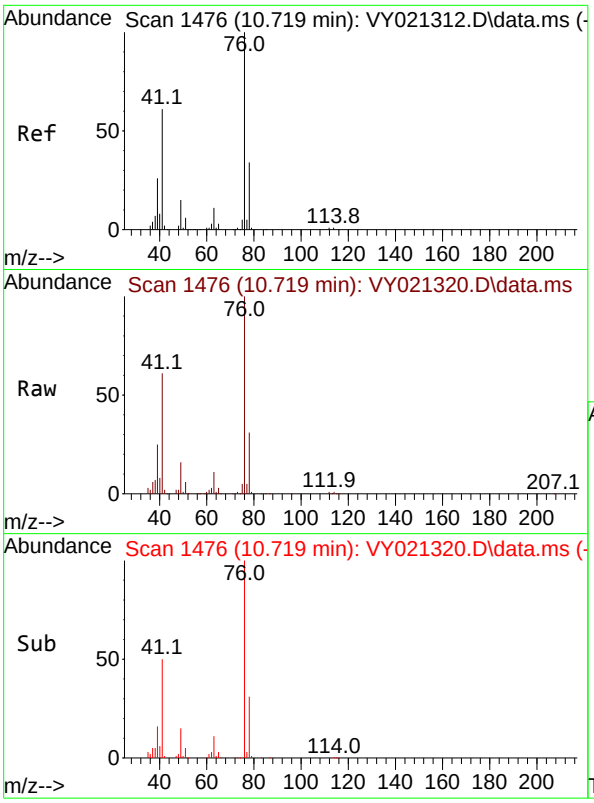


#56
Ethyl methacrylate
Concen: 50.979 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 69 Resp: 108485

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.2	84.4
39	41.3	32.7	49.1

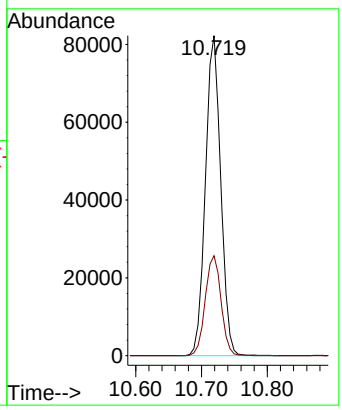




#57
1,3-Dichloropropane
Concen: 49.183 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 76 Resp: 13291

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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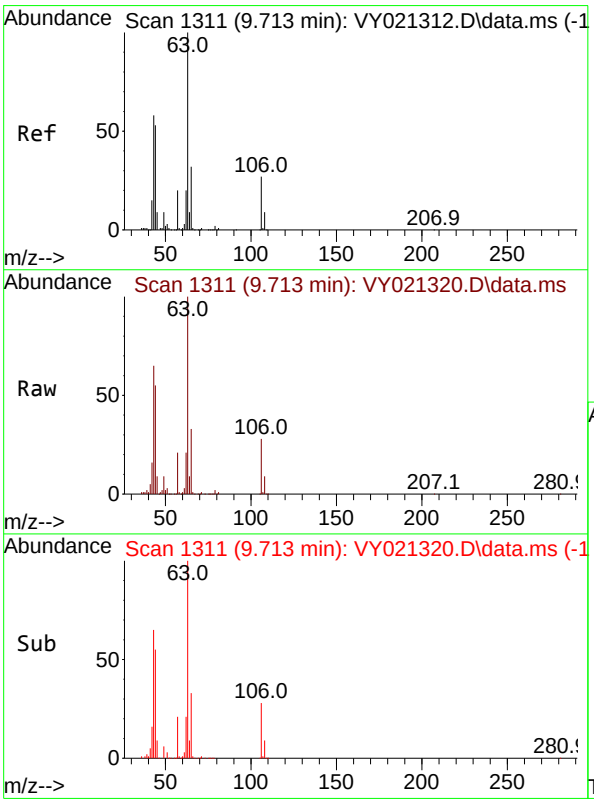
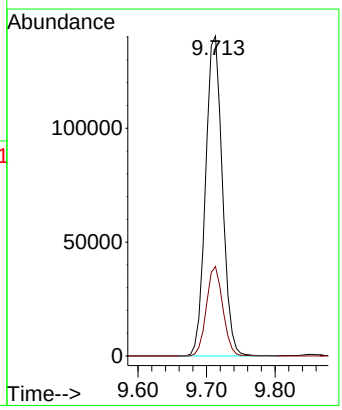
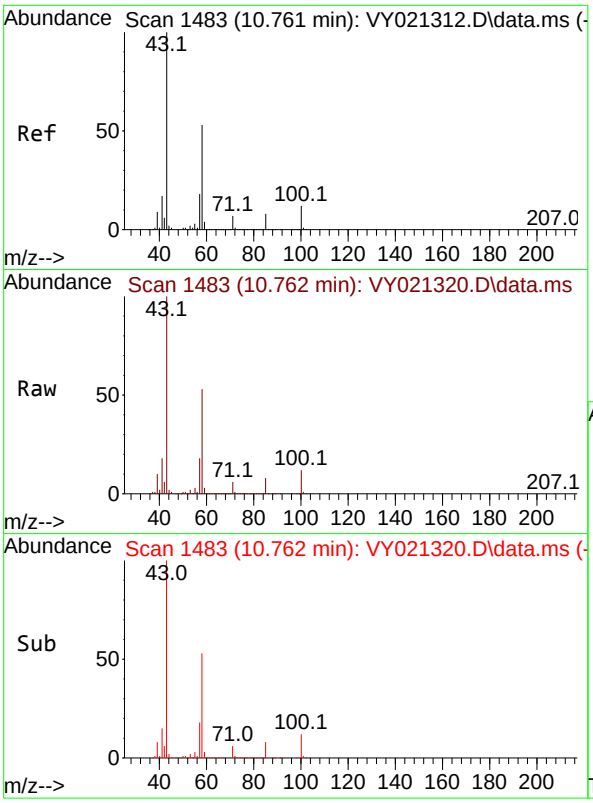


#58
2-Chloroethyl Vinyl ether
Concen: 234.614 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 239640

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5





#59
2-Hexanone
Concen: 249.476 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 24550

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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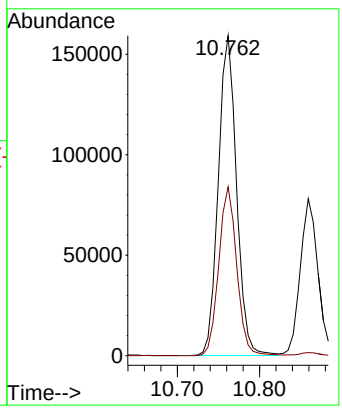
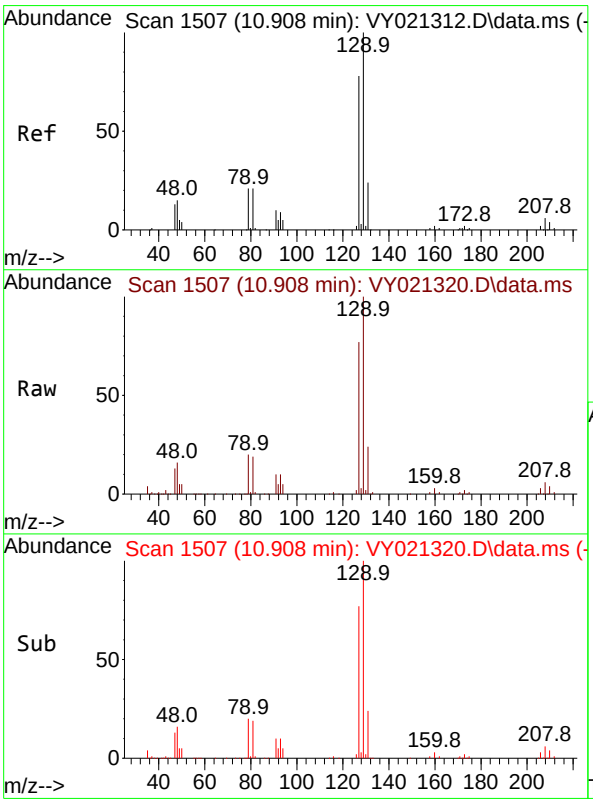
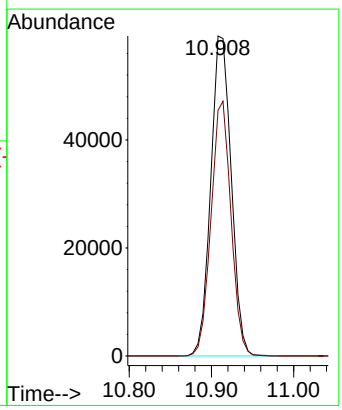


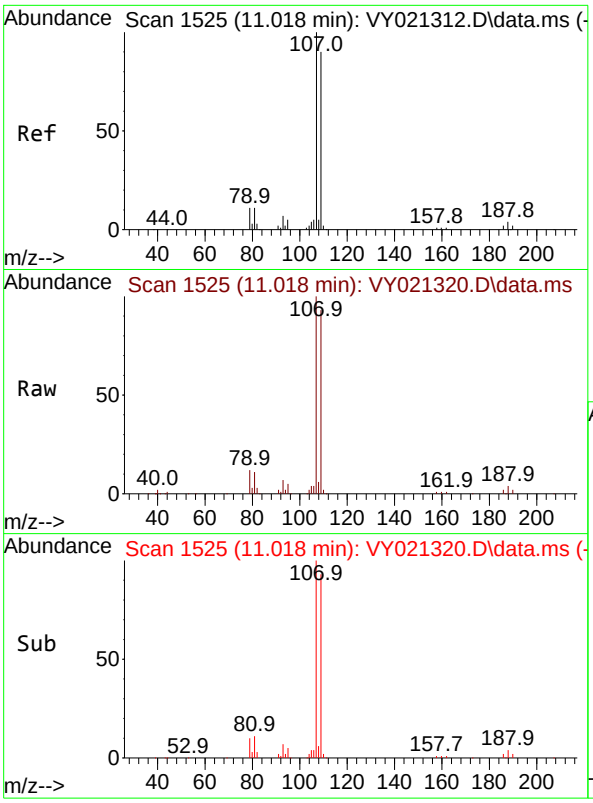


#60
Dibromochloromethane
Concen: 48.867 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:129 Resp: 102499

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.4

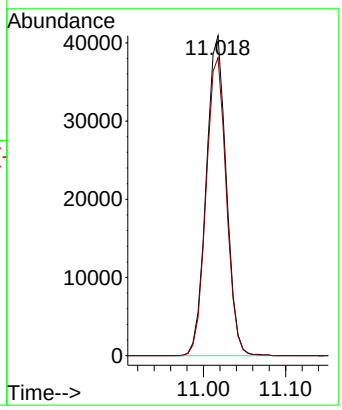




#61
1,2-Dibromoethane
Concen: 47.532 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:107 Resp: 6930

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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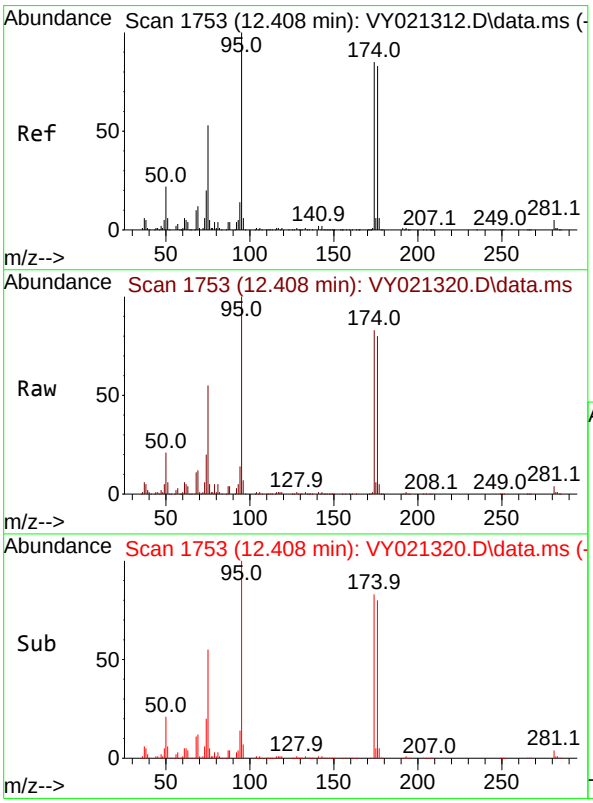
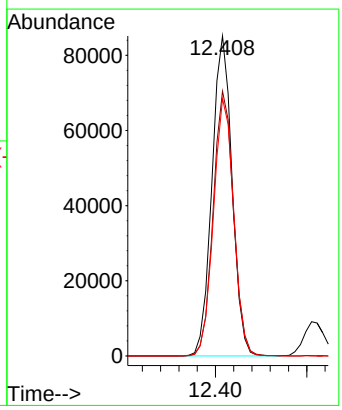
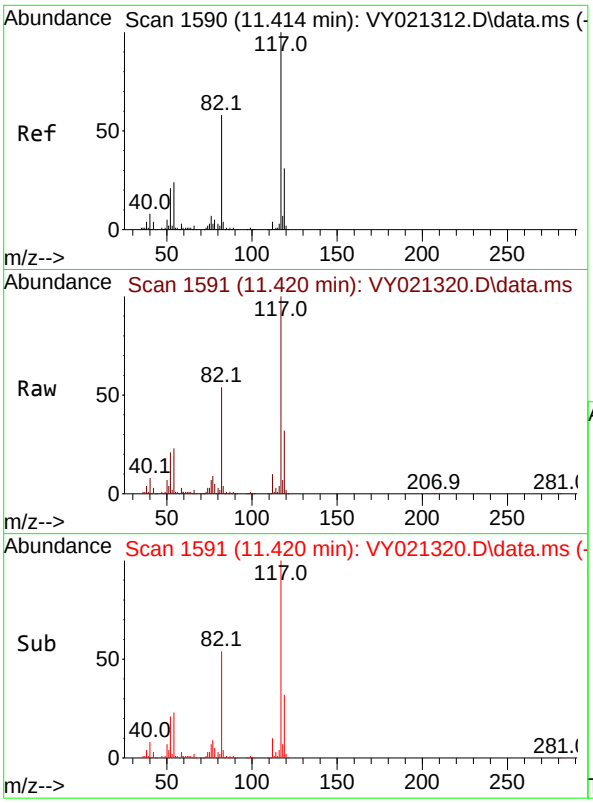


#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 95 Resp: 129754

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	168.0
176	81.2	0.0	162.6

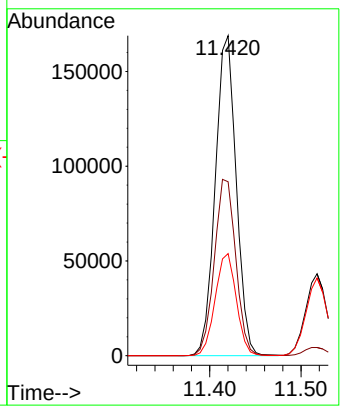




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 26880

Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.2	69.4
119	31.9	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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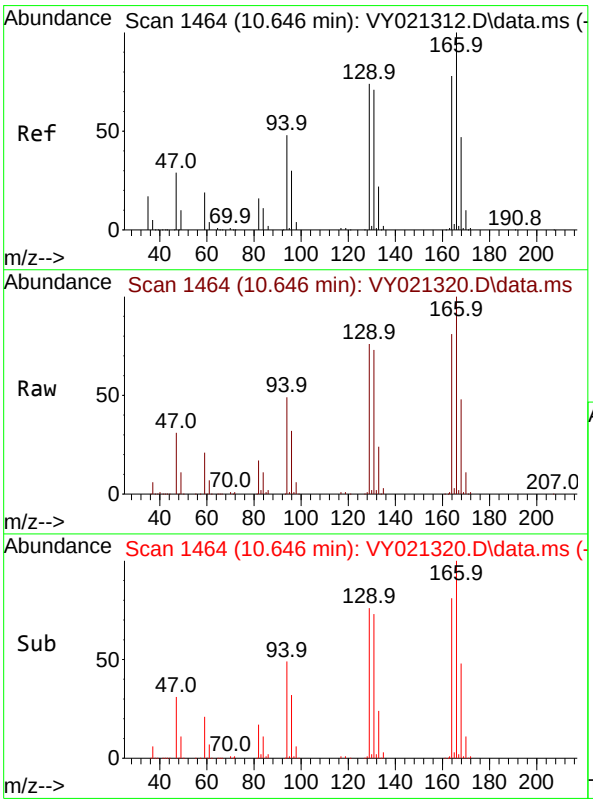
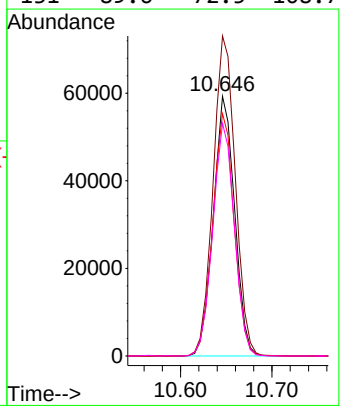
Supervised By :Mahesh Dadoda 02/27/2025

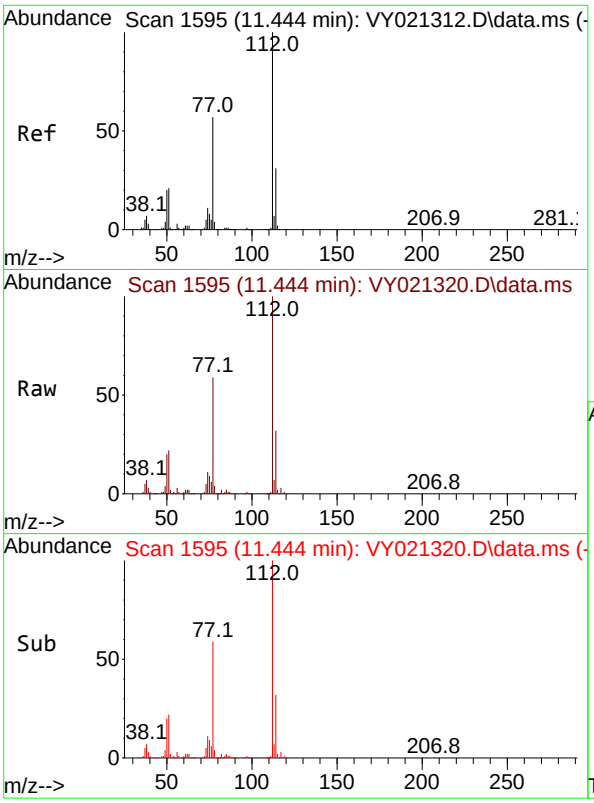


#64
Tetrachloroethene
Concen: 47.455 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:164 Resp: 96416

Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.9	152.9
129	93.3	75.5	113.3
131	89.6	72.5	108.7

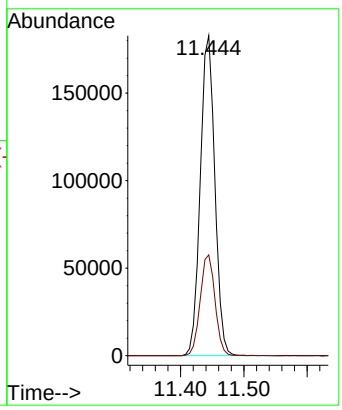




#65
Chlorobenzene
Concen: 48.625 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:112 Resp: 29339

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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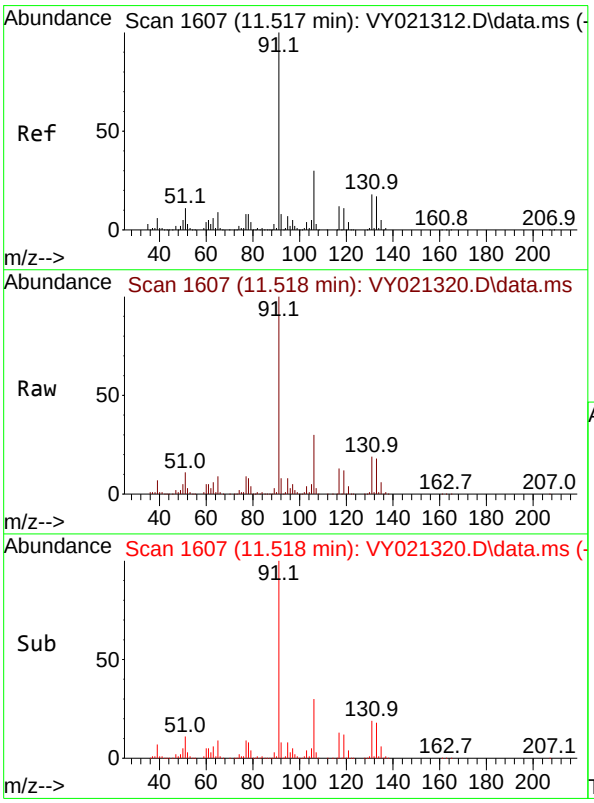
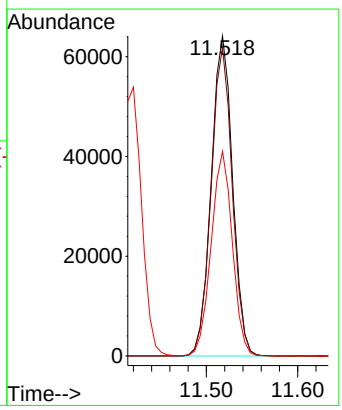
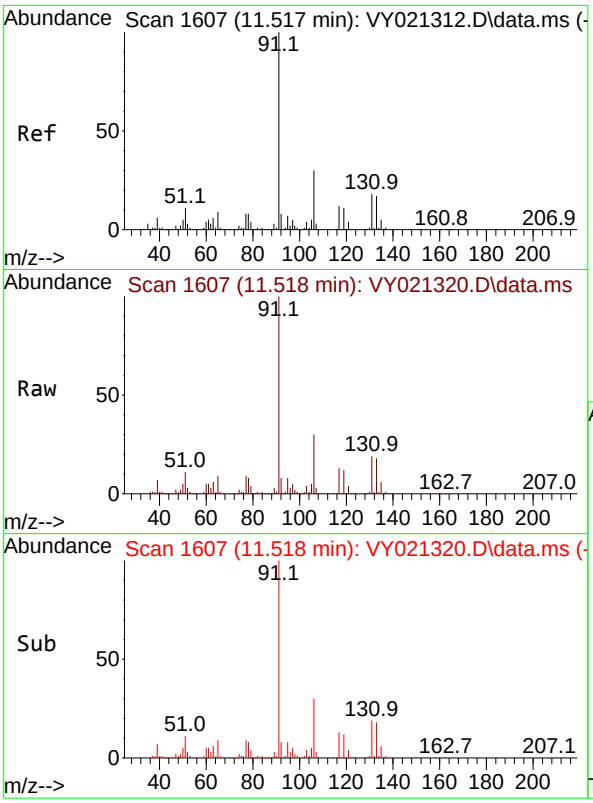


#66
1,1,1,2-Tetrachloroethane
Concen: 49.295 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:131 Resp: 104152

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.9	143.6
119	63.4	31.7	95.1





#67
Ethyl Benzene
Concen: 49.609 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 53021

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
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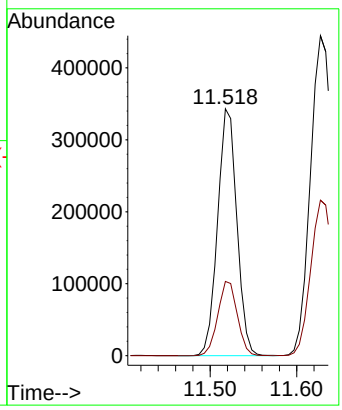
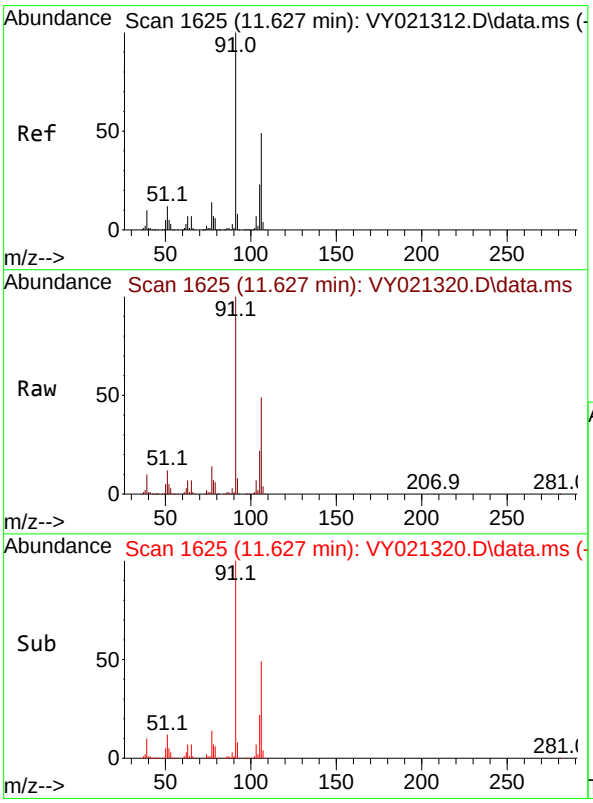
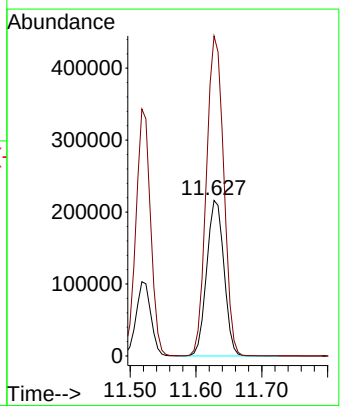


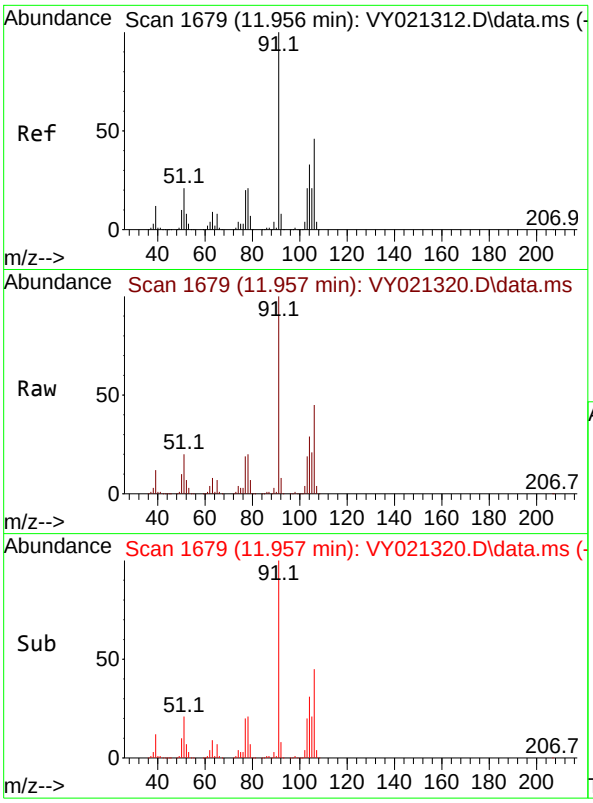


#68
m/p-Xylenes
Concen: 98.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 395166

Ion	Ratio	Lower	Upper
106	100		
91	206.2	163.9	245.9

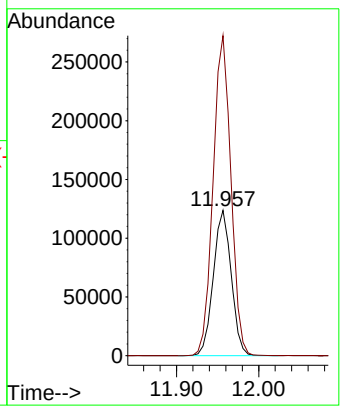




#69
o-Xylene
Concen: 49.676 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 18708

Ion	Ratio	Lower	Upper
106	100		
91	219.4	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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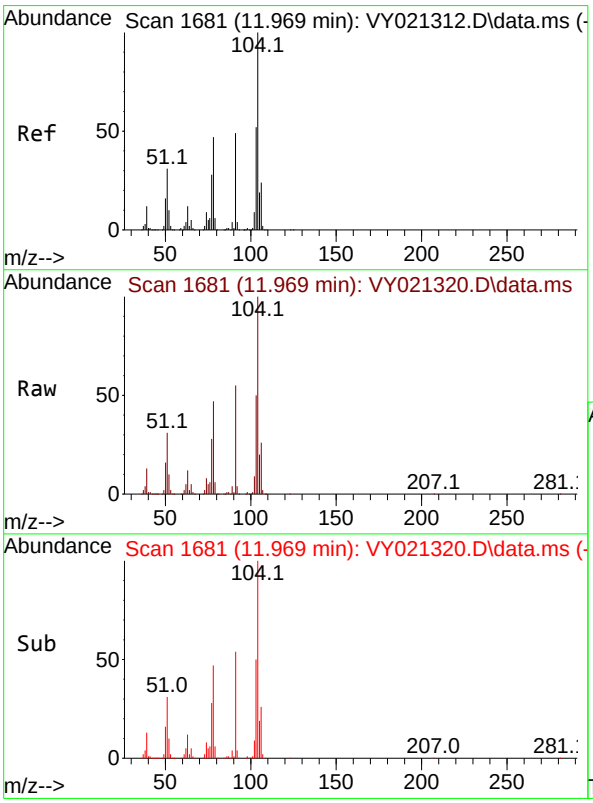
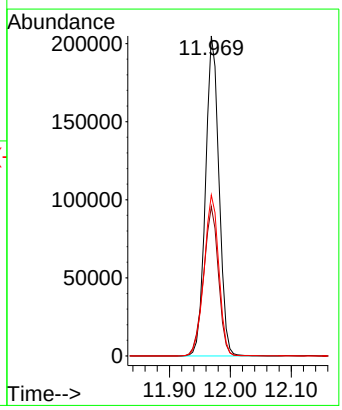
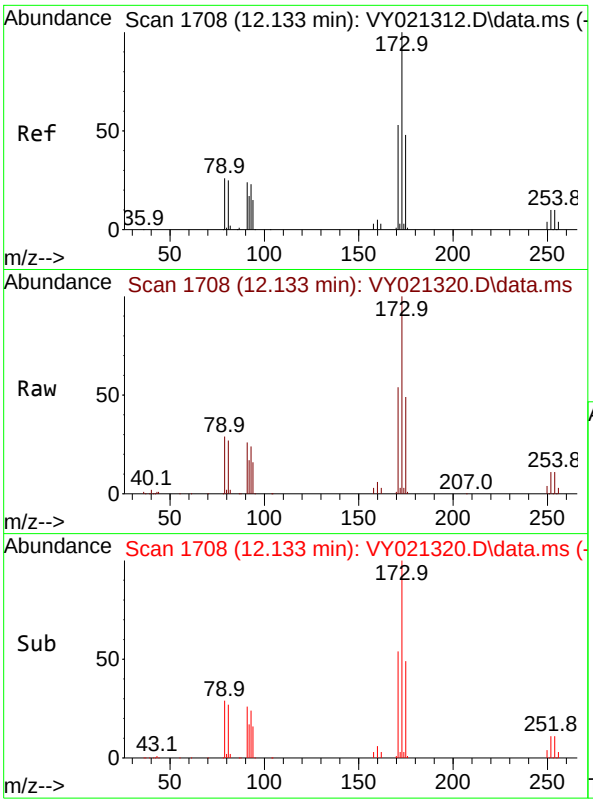


#70
Styrene
Concen: 50.431 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:104 Resp: 316002

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	54.9	43.9	65.9

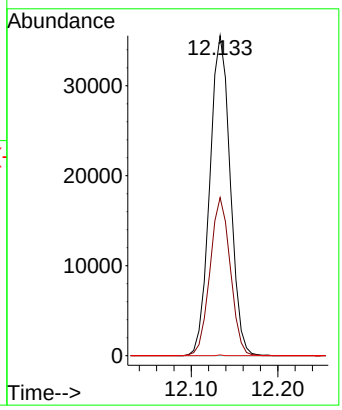




#71
Bromoform
Concen: 48.247 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:173 Resp: 5831

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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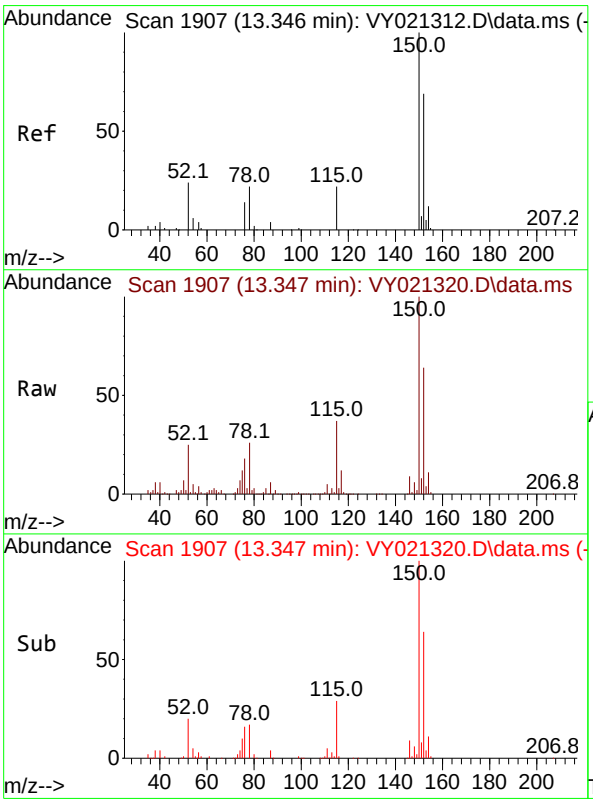
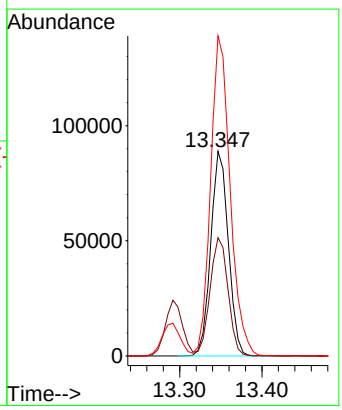
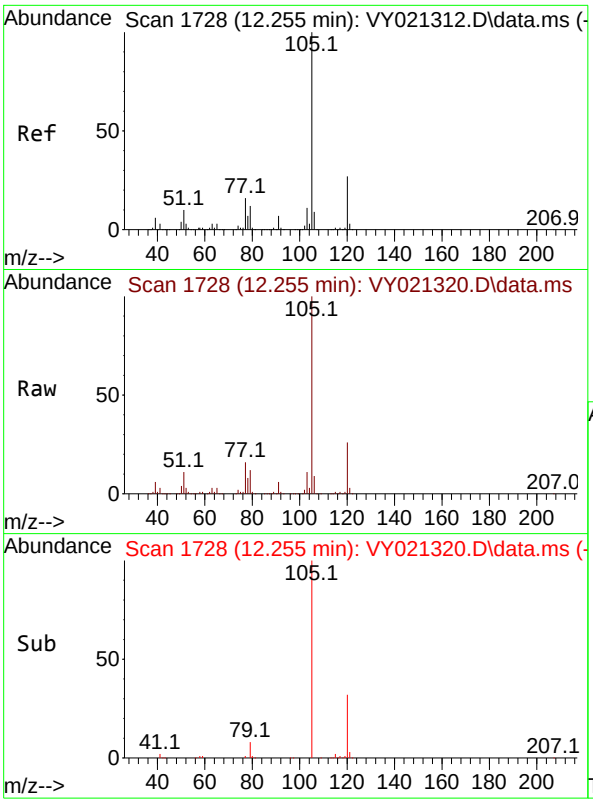


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:152 Resp: 131935

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	173.7	0.0	347.4

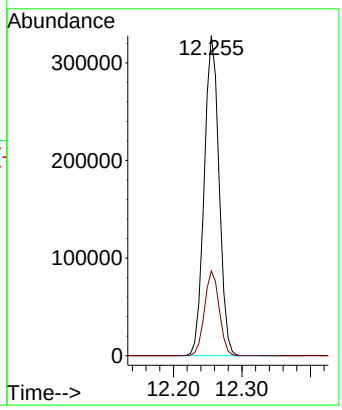




#73
Isopropylbenzene
Concen: 49.774 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 49369

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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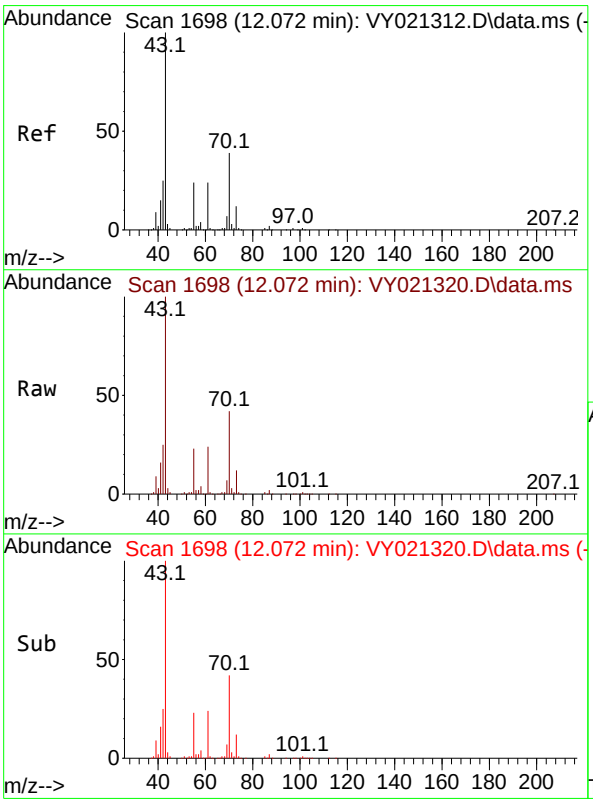
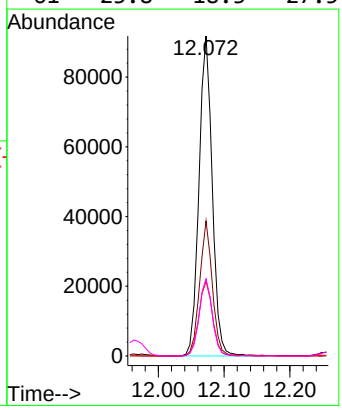
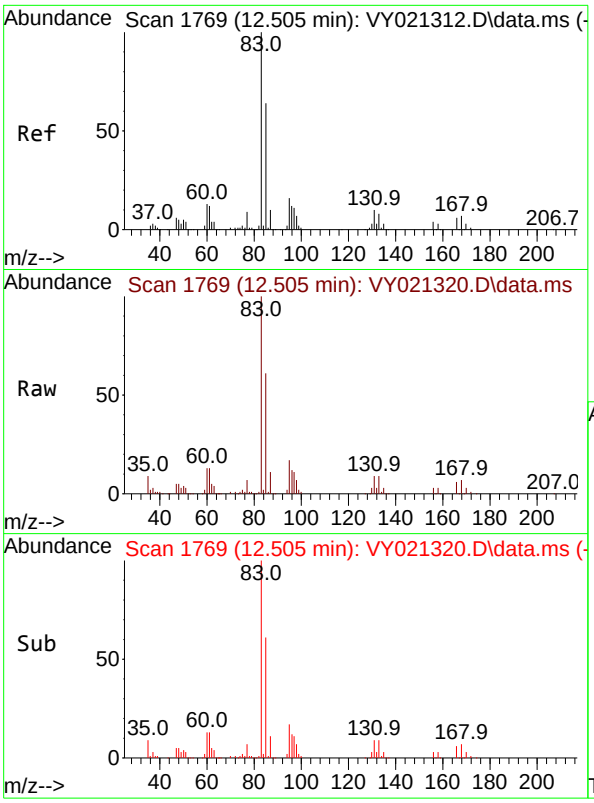


#74
N-amyl acetate
Concen: 51.162 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 128988

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.2	48.2
55	24.1	19.6	29.4
61	23.8	18.3	27.5

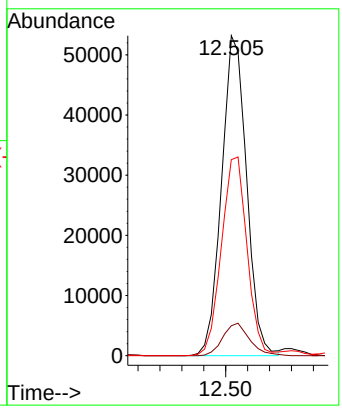




#75
1,1,2,2-Tetrachloroethane
Concen: 48.150 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 8428

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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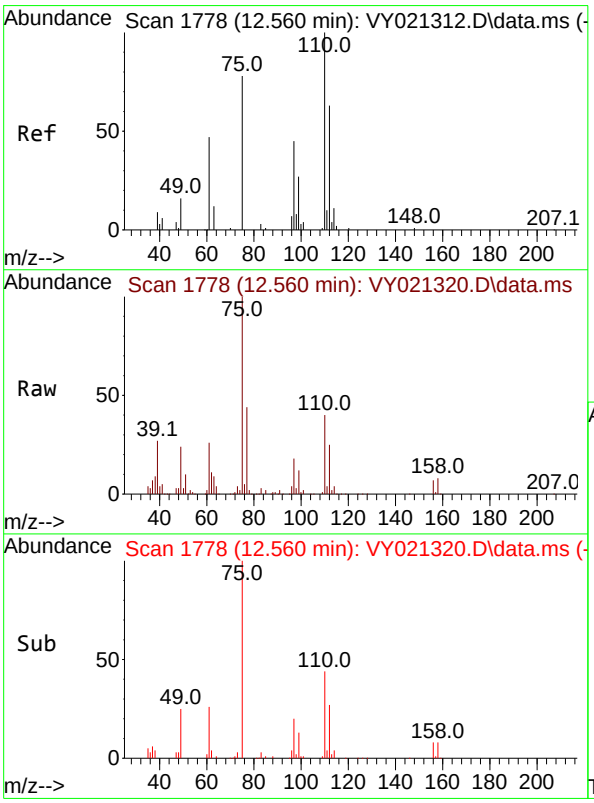
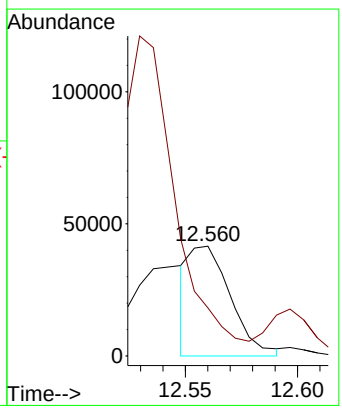
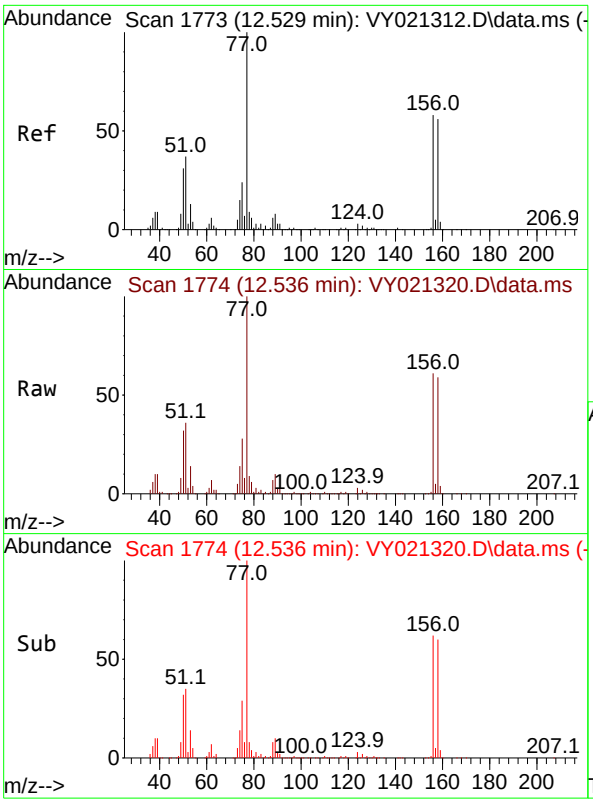


#76
1,2,3-Trichloropropane
Concen: 40.055 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 52897

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

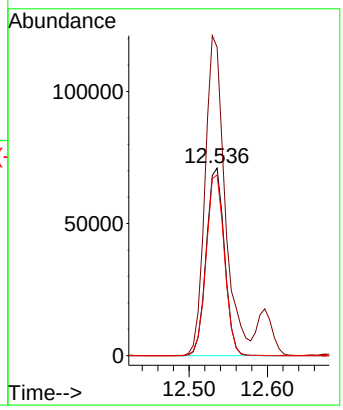




#77
Bromobenzene
Concen: 49.529 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:156 Resp: 11426

Ion	Ratio	Lower	Upper
156	100		
77	187.3	94.0	282.1
158	96.8	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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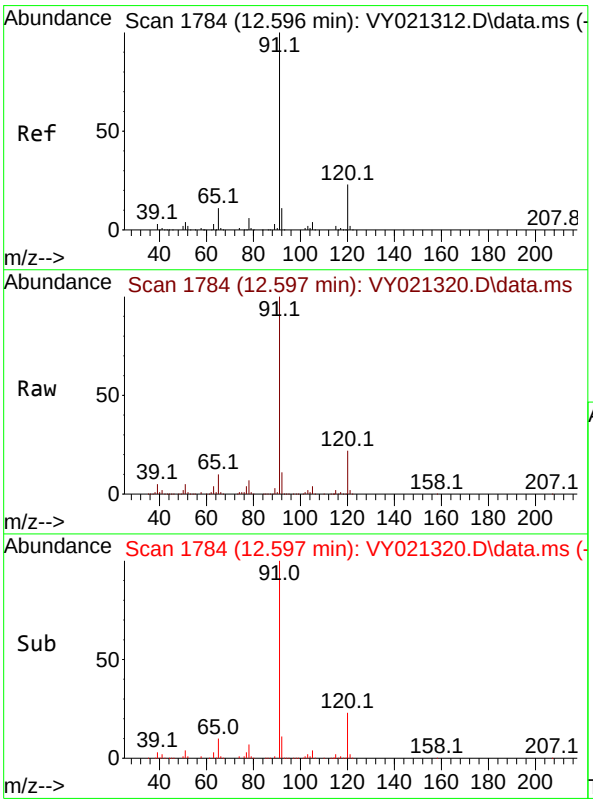
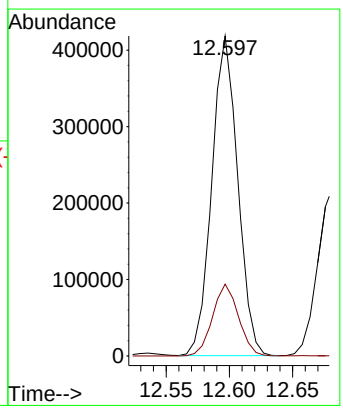
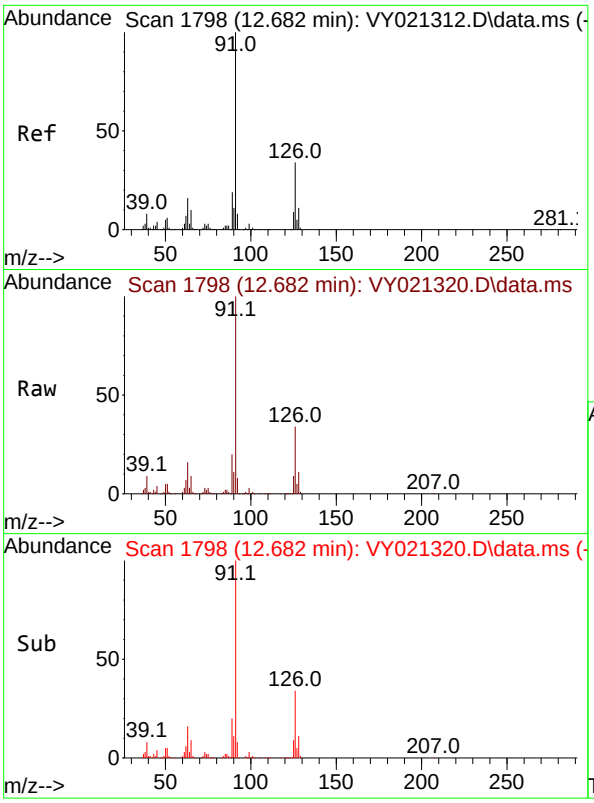


#78
n-propylbenzene
Concen: 49.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 595911

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

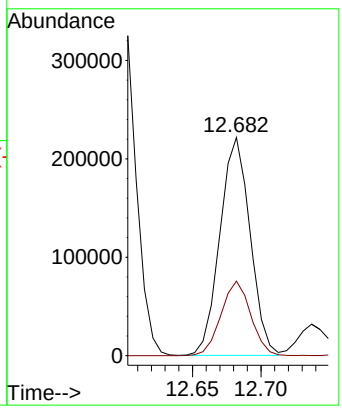




#79
2-Chlorotoluene
Concen: 49.181 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 33972

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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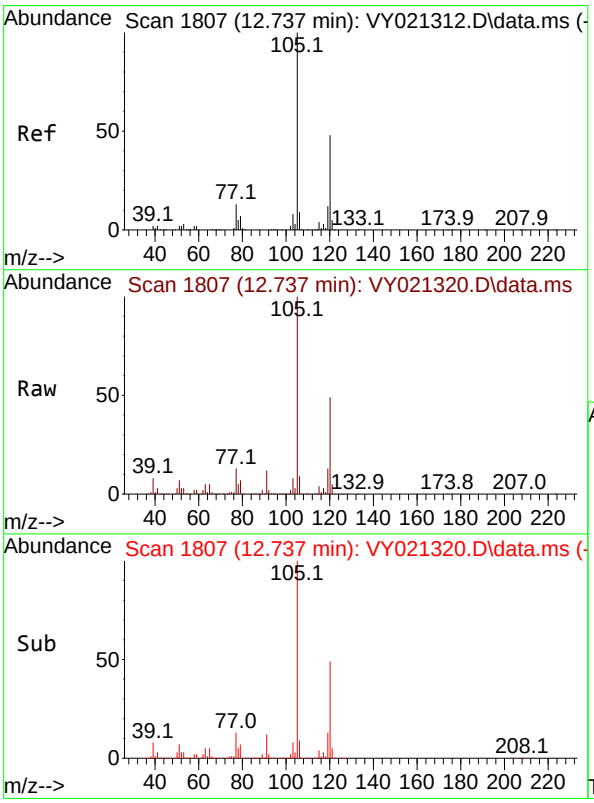
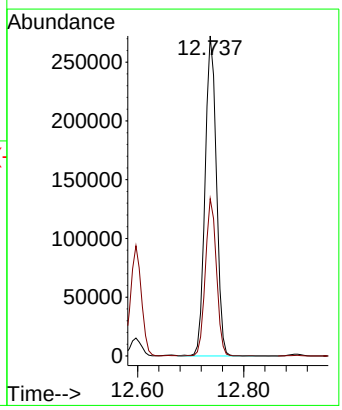
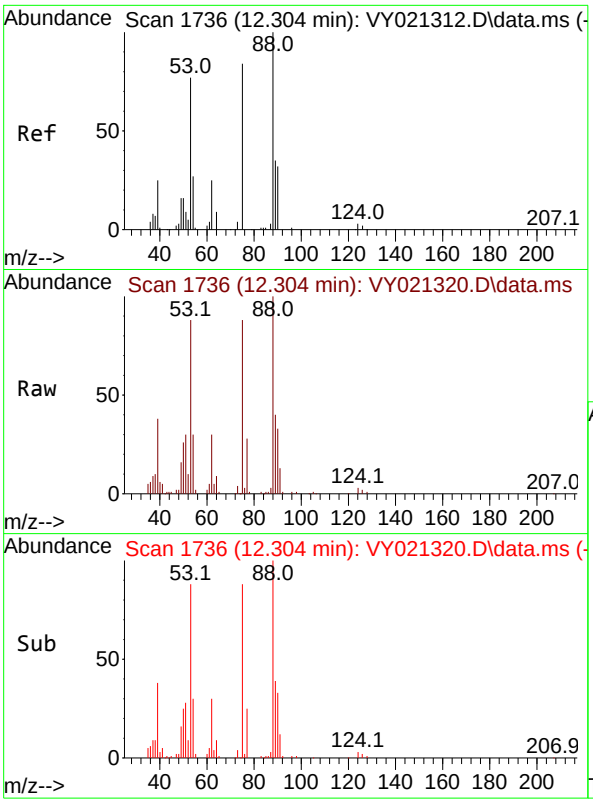


#80
1,3,5-Trimethylbenzene
Concen: 49.604 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403527

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0

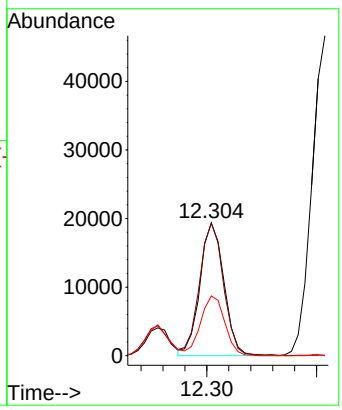




#81
trans-1,4-Dichloro-2-butene
Concen: 49.724 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 2954

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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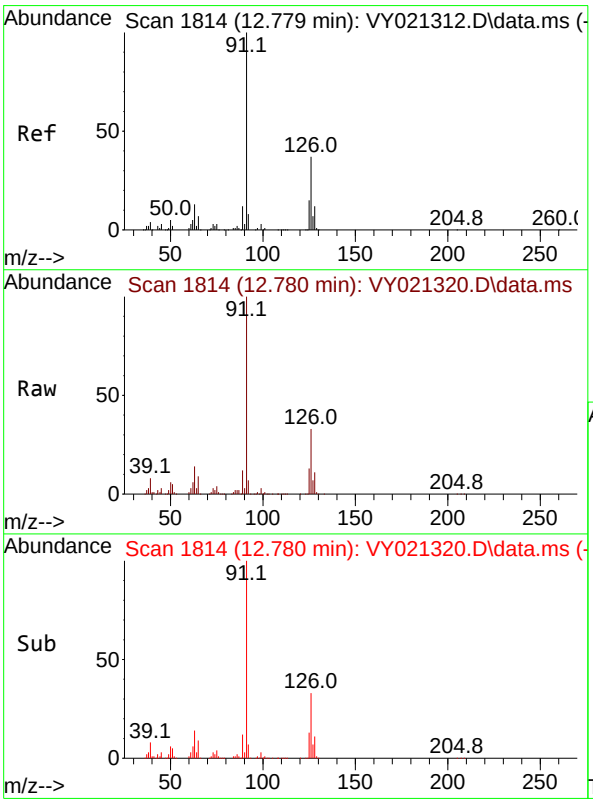
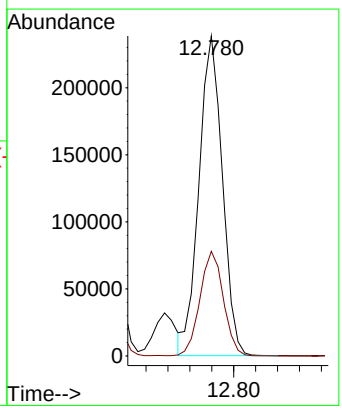
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

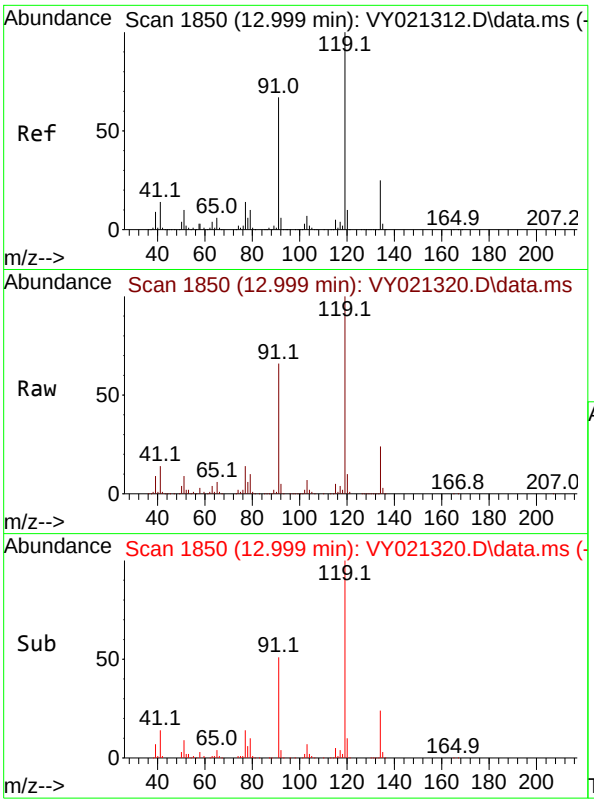


#82
4-Chlorotoluene
Concen: 49.408 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 353786

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.8	50.4

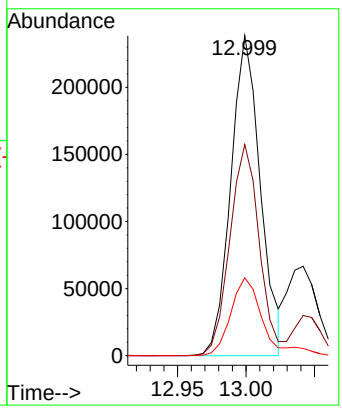




#83
tert-Butylbenzene
Concen: 48.765 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 35834

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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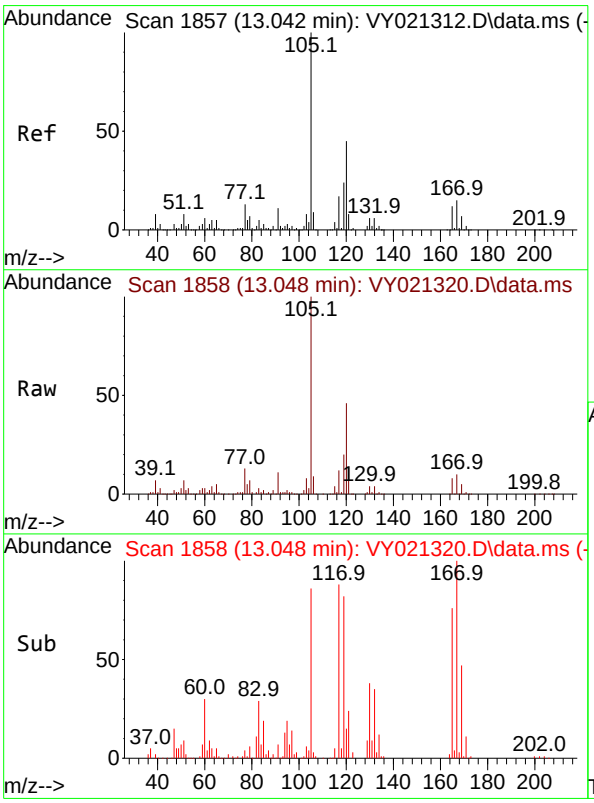
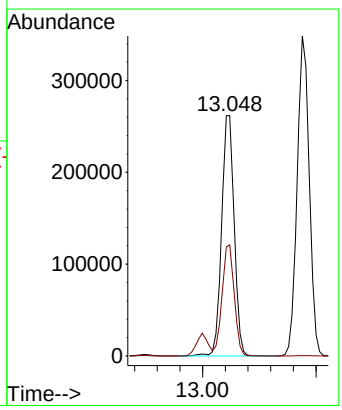
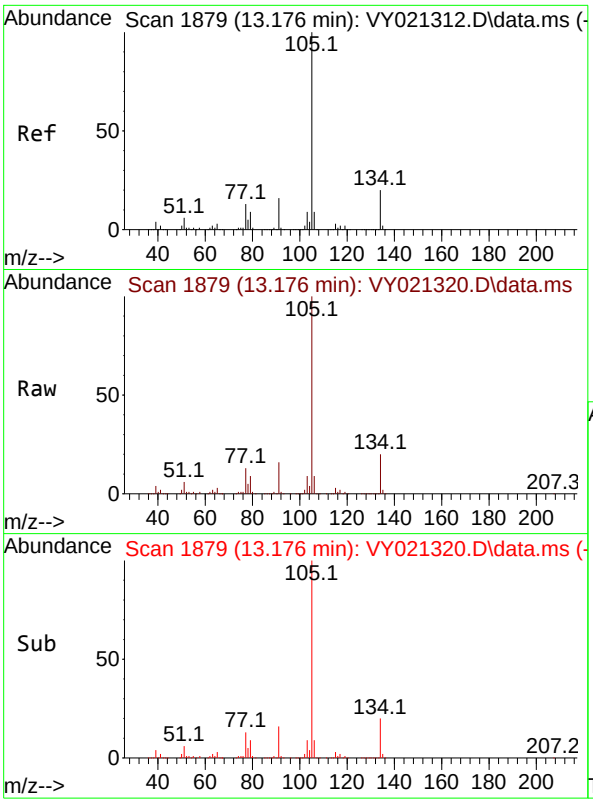


#84
1,2,4-Trimethylbenzene
Concen: 49.846 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403288

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85
sec-Butylbenzene
Concen: 48.069 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 51597

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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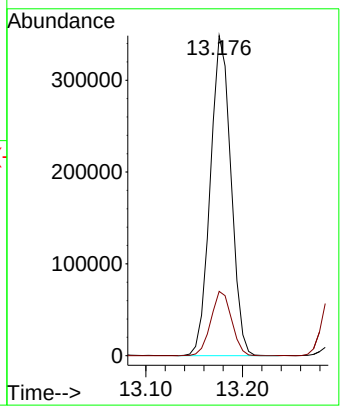
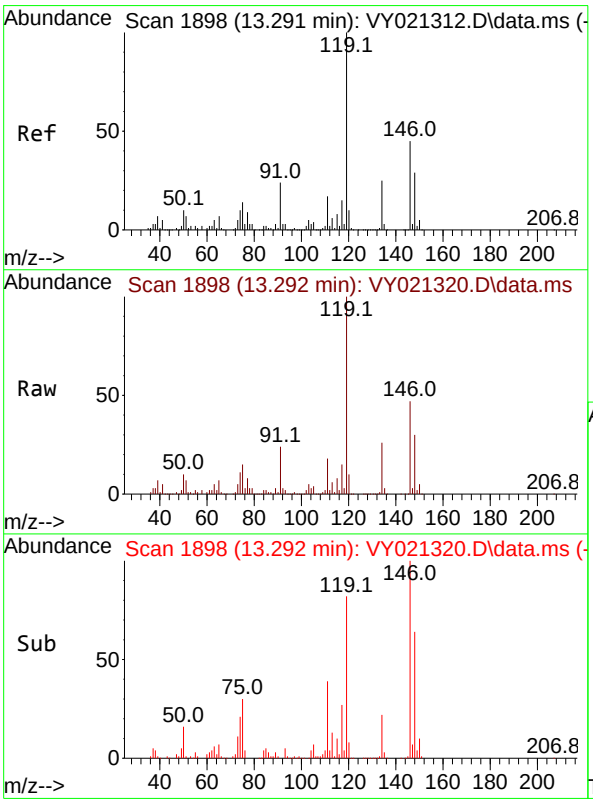
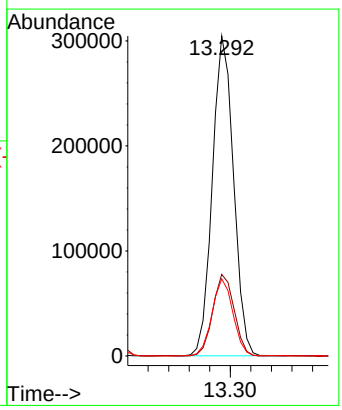


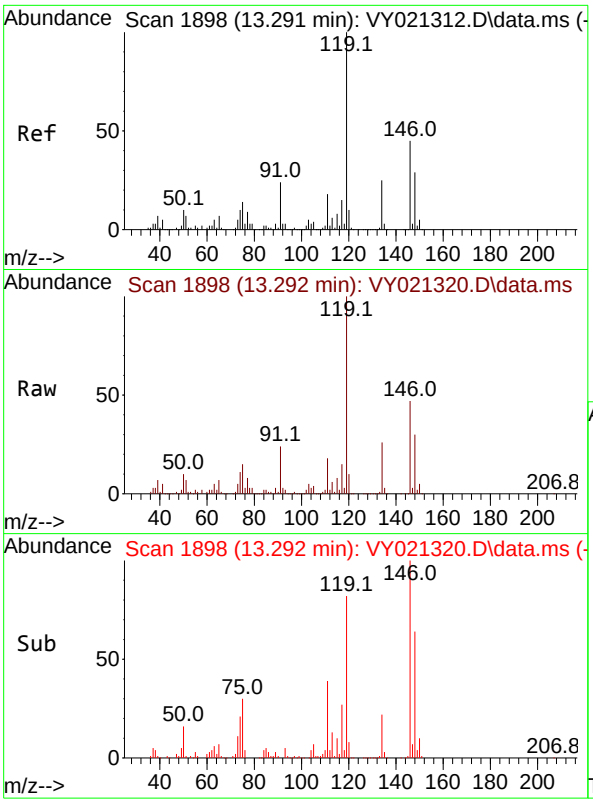


#86
p-Isopropyltoluene
Concen: 48.594 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 435539

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	23.8	12.0	36.1

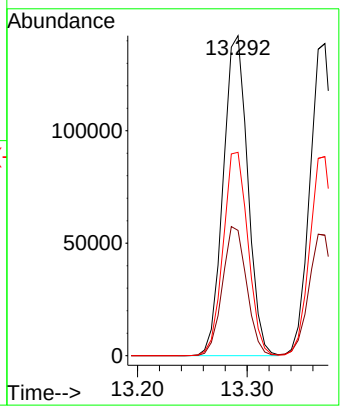




#87
1,3-Dichlorobenzene
Concen: 48.450 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 22111

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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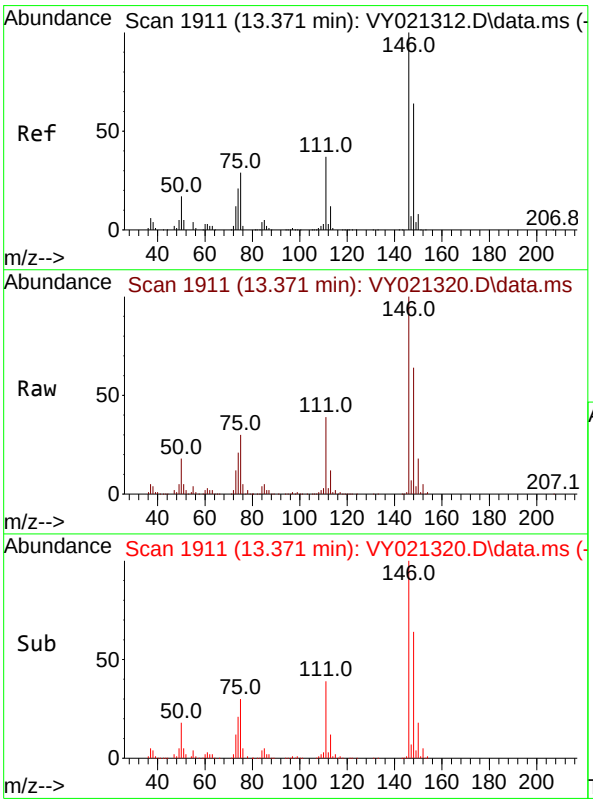
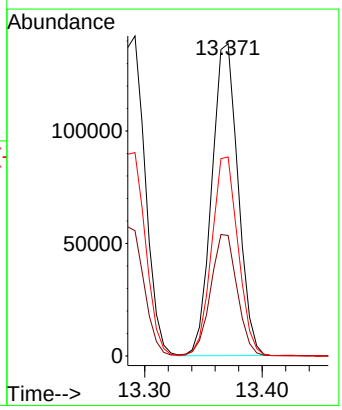
Supervised By :Mahesh Dadoda 02/27/2025

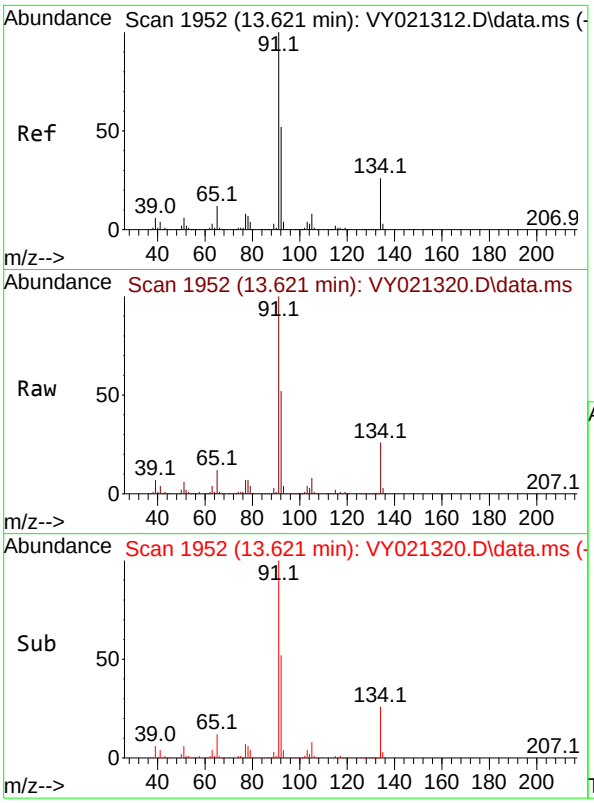


#88
1,4-Dichlorobenzene
Concen: 47.797 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 215487

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	64.5	32.0	96.2

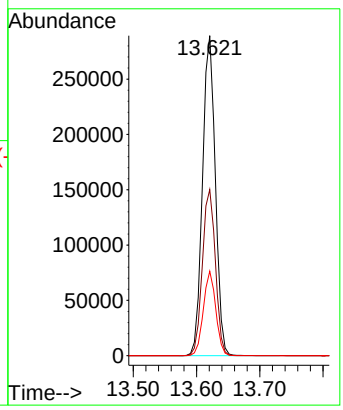




#89
n-Butylbenzene
Concen: 48.491 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 40899

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.6	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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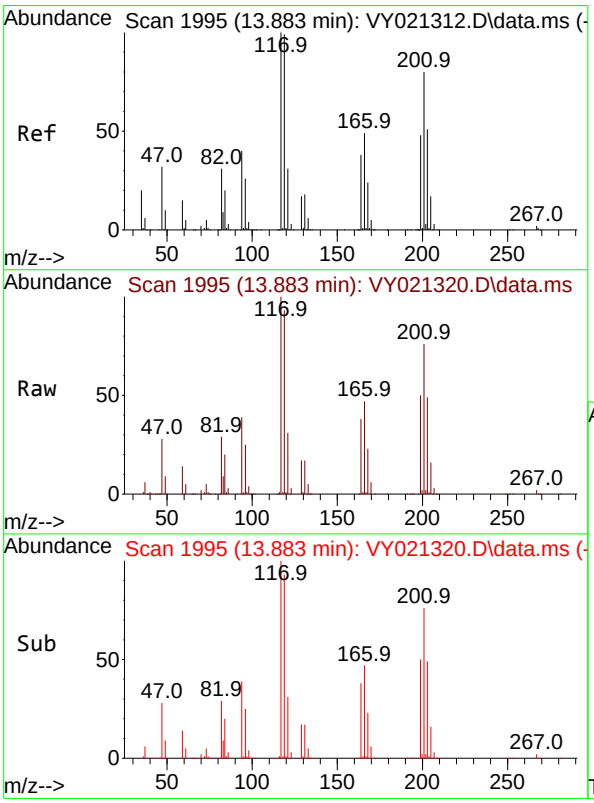
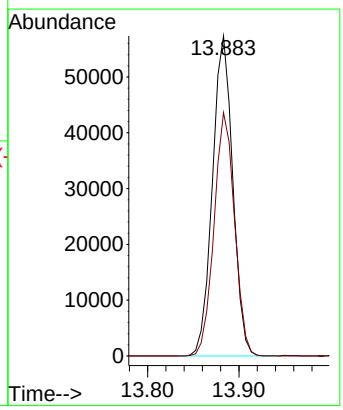
Supervised By :Mahesh Dadoda 02/27/2025

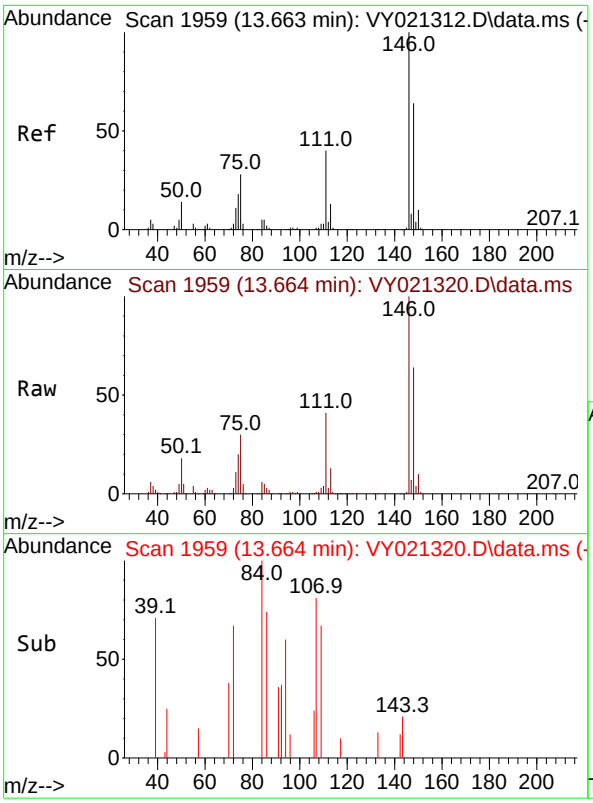


#90
Hexachloroethane
Concen: 47.306 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 88564

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

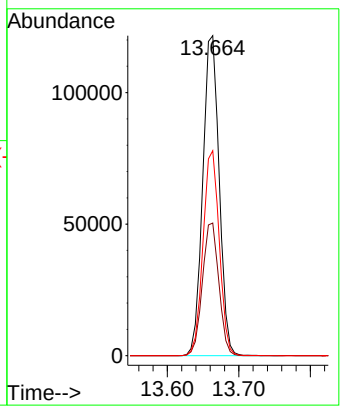




#91
1,2-Dichlorobenzene
Concen: 48.457 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 19375

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	63.4	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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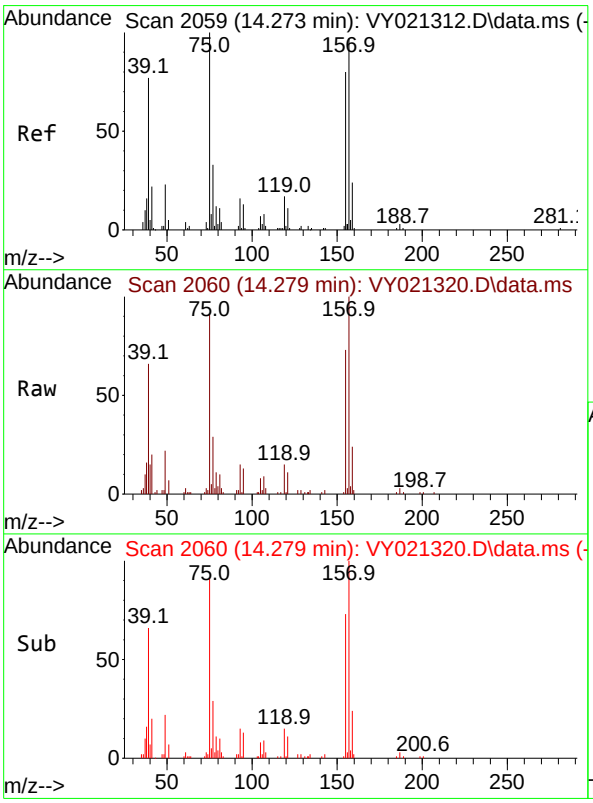
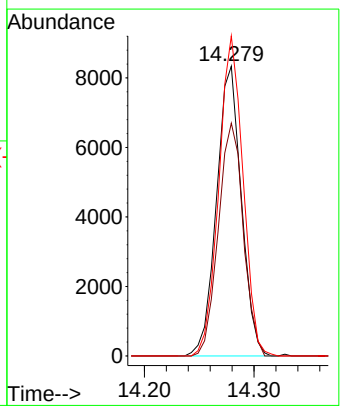
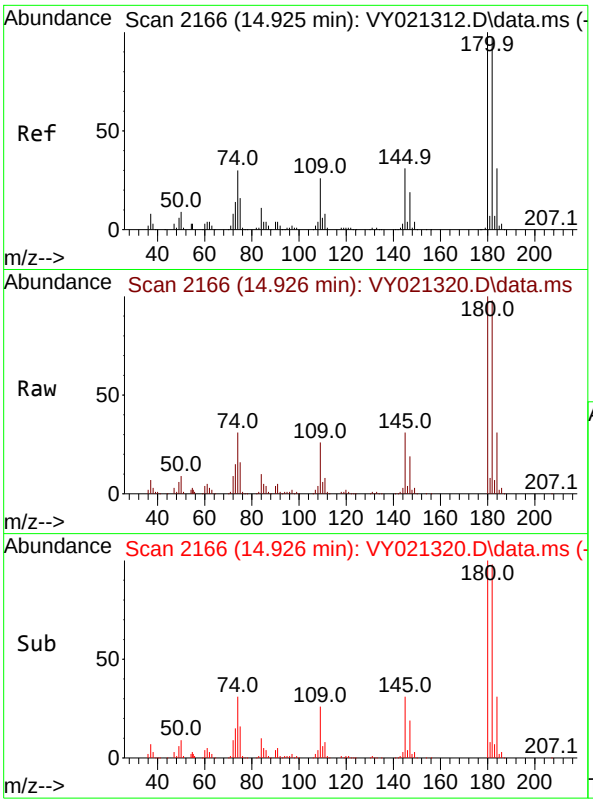


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.306 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 13100

Ion	Ratio	Lower	Upper
75	100		
155	80.5	41.9	125.6
157	107.7	52.5	157.6

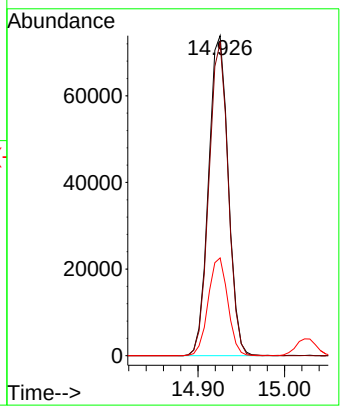




#93
1,2,4-Trichlorobenzene
Concen: 47.769 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 11657

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	30.4	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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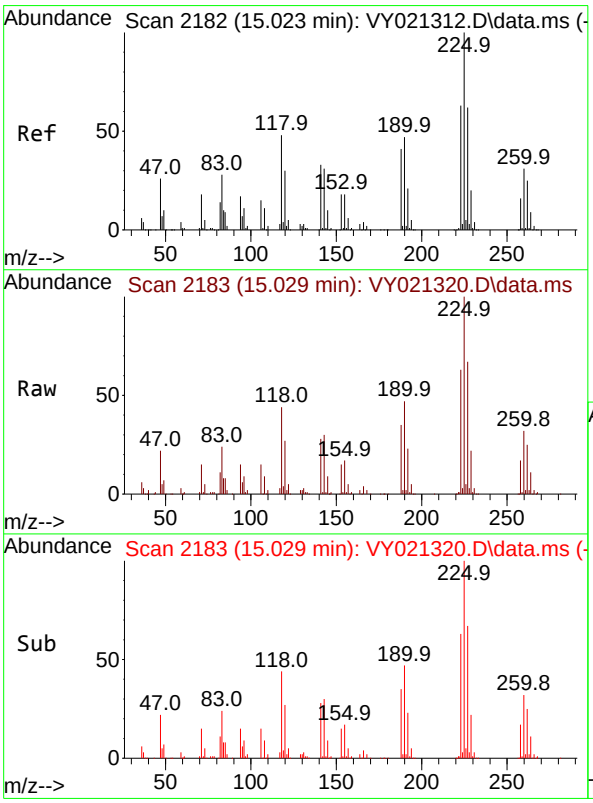
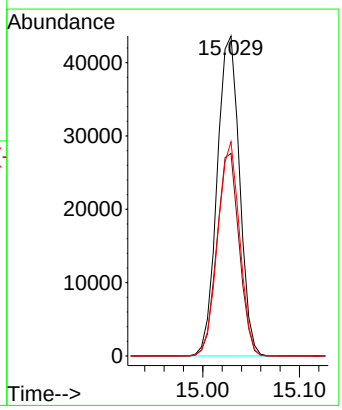
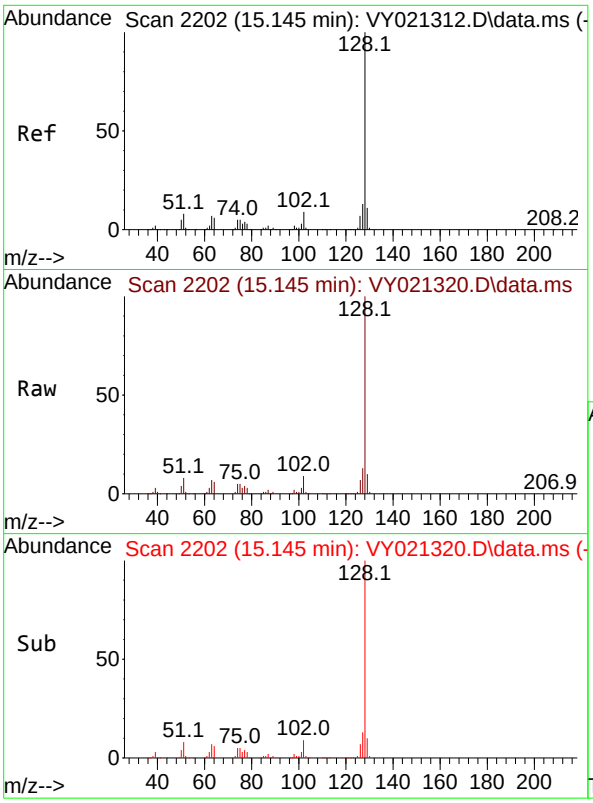


#94
Hexachlorobutadiene
Concen: 45.603 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:225 Resp: 70063

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.8	95.4
227	65.3	31.9	95.7

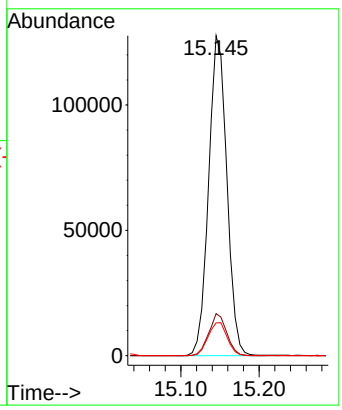




#95
Naphthalene
Concen: 50.937 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:128 Resp: 20589

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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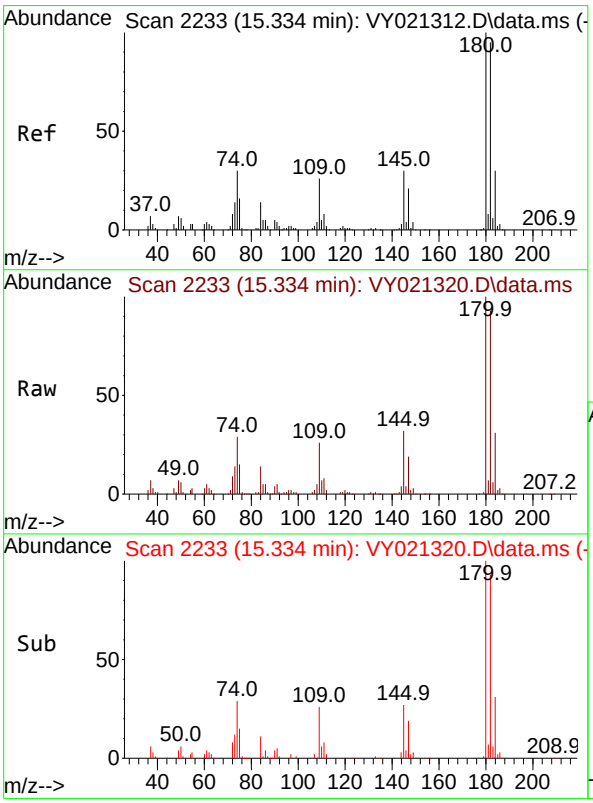
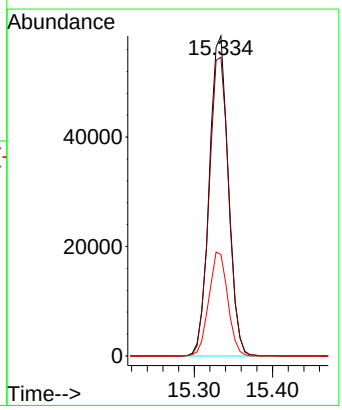


#96
1,2,3-Trichlorobenzene
Concen: 47.779 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 98515

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.2	16.1	48.3



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Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	111	0.00
2	T	Dichlorodifluoromethane	0.474	0.442	6.8	99	0.00
3	P	Chloromethane	0.612	0.581	5.1	107	0.00
4	C	Vinyl Chloride	0.601	0.586	2.5#	103	0.00
5	T	Bromomethane	0.399	0.370	7.3	106	0.00
6	T	Chloroethane	0.373	0.363	2.7	103	0.00
7	T	Trichlorofluoromethane	0.908	0.866	4.6	102	0.00
8	T	Diethyl Ether	0.272	0.270	0.7	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.496	5.5	102	0.00
10	T	Methyl Iodide	0.553	0.577	-4.3	100	0.00
11	T	Tert butyl alcohol	0.044	0.035	20.5	97	0.00
12	CM	1,1-Dichloroethene	0.503	0.487	3.2#	104	0.00
13	T	Acrolein	0.033	0.006	81.8#	94	0.00
14	T	Allyl chloride	0.892	0.896	-0.4	107	0.00
15	T	Acrylonitrile	0.120	0.117	2.5	101	0.00
16	T	Acetone	0.109	0.113	-3.7	98	0.00
17	T	Carbon Disulfide	1.671	1.628	2.6	104	0.00
18	T	Methyl Acetate	0.266	0.257	3.4	103	0.00
19	T	Methyl tert-butyl Ether	1.329	1.308	1.6	103	0.00
20	T	Methylene Chloride	0.588	0.533	9.4	101	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.540	2.5	104	0.00
22	T	Diisopropyl ether	1.846	1.862	-0.9	105	0.00
23	T	Vinyl Acetate	1.103	1.099	0.4	102	0.00
24	P	1,1-Dichloroethane	1.040	1.021	1.8	104	0.00
25	T	2-Butanone	0.164	0.162	1.2	98	0.00
26	T	2,2-Dichloropropane	0.944	0.929	1.6	106	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.633	-0.2	105	0.00
28	T	Bromochloromethane	0.460	0.435	5.4	106	0.00
29	T	Tetrahydrofuran	0.107	0.102	4.7	99	0.00
30	C	Chloroform	1.054	1.038	1.5#	105	0.00
31	T	Cyclohexane	1.000	0.922	7.8	103	0.00
32	T	1,1,1-Trichloroethane	0.960	0.936	2.5	105	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.544	4.1	109	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
35	S	Dibromofluoromethane	0.328	0.320	2.4	111	0.00
36	T	1,1-Dichloropropene	0.492	0.475	3.5	104	0.00
37	T	Ethyl Acetate	0.245	0.236	3.7	104	0.00
38	T	Carbon Tetrachloride	0.554	0.536	3.2	104	0.00
39	T	Methylcyclohexane	0.623	0.578	7.2	99	0.00
40	TM	Benzene	1.456	1.415	2.8	105	0.00
41	T	Methacrylonitrile	0.137	0.117	14.6	90	0.00
42	TM	1,2-Dichloroethane	0.413	0.396	4.1	104	0.00
43	T	Isopropyl Acetate	0.474	0.455	4.0	100	0.00
44	TM	Trichloroethene	0.364	0.355	2.5	105	0.00
45	C	1,2-Dichloropropane	0.350	0.341	2.6#	104	0.00
46	T	Dibromomethane	0.191	0.185	3.1	103	0.00
47	T	Bromodichloromethane	0.511	0.494	3.3	103	0.00
48	T	Methyl methacrylate	0.222	0.215	3.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	102	0.00
50	S	Toluene-d8	1.267	1.257	0.8	114	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.234	3.7	99	0.00
52	CM	Toluene	0.904	0.892	1.3#	105	0.00
53	T	t-1,3-Dichloropropene	0.468	0.468	0.0	103	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.543	1.6	104	0.00
55	T	1,1,2-Trichloroethane	0.249	0.236	5.2	100	0.00
56	T	Ethyl methacrylate	0.345	0.351	-1.7	101	0.00
57	T	1,3-Dichloropropane	0.438	0.431	1.6	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.155	6.1	92	0.00
59	T	2-Hexanone	0.159	0.159	0.0	98	0.00
60	T	Dibromochloromethane	0.340	0.332	2.4	102	0.00
61	T	1,2-Dibromoethane	0.236	0.224	5.1	100	0.00
62	S	4-Bromofluorobenzene	0.426	0.420	1.4	112	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
64	T	Tetrachloroethene	0.378	0.359	5.0	103	0.00
65	PM	Chlorobenzene	1.122	1.091	2.8	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.387	1.5	105	0.00
67	C	Ethyl Benzene	1.988	1.972	0.8#	104	0.00
68	T	m/p-Xylenes	0.748	0.735	1.7	103	0.00
69	T	o-Xylene	0.701	0.696	0.7	103	0.00
70	T	Styrene	1.166	1.176	-0.9	103	0.00
71	P	Bromoform	0.225	0.217	3.6	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.759	3.742	0.5	102	0.00
74	T	N-amyl acetate	0.955	0.978	-2.4	100	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.639	3.6	99	0.00
76	T	1,2,3-Trichloropropane	0.500	0.401	19.8	83	0.00
77	T	Bromobenzene	0.874	0.866	0.9	103	0.00
78	T	n-propylbenzene	4.561	4.517	1.0	101	0.00
79	T	2-Chlorotoluene	2.618	2.575	1.6	103	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.059	0.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.224	0.4	100	0.00
82	T	4-Chlorotoluene	2.714	2.682	1.2	103	0.00
83	T	tert-Butylbenzene	2.785	2.716	2.5	102	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.057	0.3	102	0.00
85	T	sec-Butylbenzene	4.068	3.911	3.9	100	0.00
86	T	p-Isopropyltoluene	3.397	3.301	2.8	100	0.00
87	T	1,3-Dichlorobenzene	1.730	1.676	3.1	101	0.00
88	T	1,4-Dichlorobenzene	1.709	1.633	4.4	101	0.00
89	T	n-Butylbenzene	3.196	3.100	3.0	98	0.00
90	T	Hexachloroethane	0.710	0.671	5.5	101	0.00
91	T	1,2-Dichlorobenzene	1.515	1.469	3.0	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.099	5.7	95	0.00
93	T	1,2,4-Trichlorobenzene	0.925	0.884	4.4	99	0.00
94	T	Hexachlorobutadiene	0.582	0.531	8.8	97	0.00
95	T	Naphthalene	1.532	1.561	-1.9	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.781	0.747	4.4	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	111	0.00
2	T	Dichlorodifluoromethane	50.000	46.640	6.7	99	0.00
3	P	Chloromethane	50.000	47.473	5.1	107	0.00
4	C	Vinyl Chloride	50.000	48.798	2.4#	103	0.00
5	T	Bromomethane	50.000	46.361	7.3	106	0.00
6	T	Chloroethane	50.000	48.772	2.5	103	0.00
7	T	Trichlorofluoromethane	50.000	47.701	4.6	102	0.00
8	T	Diethyl Ether	50.000	49.537	0.9	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.169	5.7	102	0.00
10	T	Methyl Iodide	50.000	52.212	-4.4	100	0.00
11	T	Tert butyl alcohol	250.000	202.221	19.1	97	0.00
12	CM	1,1-Dichloroethene	50.000	48.413	3.2#	104	0.00
13	T	Acrolein	250.000	42.624	83.0#	94	0.00
14	T	Allyl chloride	50.000	50.242	-0.5	107	0.00
15	T	Acrylonitrile	250.000	241.892	3.2	101	0.00
16	T	Acetone	250.000	260.267	-4.1	98	0.00
17	T	Carbon Disulfide	50.000	48.712	2.6	104	0.00
18	T	Methyl Acetate	50.000	48.342	3.3	103	0.00
19	T	Methyl tert-butyl Ether	50.000	49.206	1.6	103	0.00
20	T	Methylene Chloride	50.000	45.263	9.5	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.708	2.6	104	0.00
22	T	Diisopropyl ether	50.000	50.442	-0.9	105	0.00
23	T	Vinyl Acetate	250.000	249.197	0.3	102	0.00
24	P	1,1-Dichloroethane	50.000	49.069	1.9	104	0.00
25	T	2-Butanone	250.000	246.999	1.2	98	0.00
26	T	2,2-Dichloropropane	50.000	49.191	1.6	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.053	-0.1	105	0.00
28	T	Bromochloromethane	50.000	47.247	5.5	106	0.00
29	T	Tetrahydrofuran	250.000	238.435	4.6	99	0.00
30	C	Chloroform	50.000	49.253	1.5#	105	0.00
31	T	Cyclohexane	50.000	46.094	7.8	103	0.00
32	T	1,1,1-Trichloroethane	50.000	48.795	2.4	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.987	4.0	109	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	113	0.00
35	S	Dibromofluoromethane	50.000	48.743	2.5	111	0.00
36	T	1,1-Dichloropropene	50.000	48.254	3.5	104	0.00
37	T	Ethyl Acetate	50.000	48.080	3.8	104	0.00
38	T	Carbon Tetrachloride	50.000	48.402	3.2	104	0.00
39	T	Methylcyclohexane	50.000	46.422	7.2	99	0.00
40	TM	Benzene	50.000	48.593	2.8	105	0.00
41	T	Methacrylonitrile	50.000	42.766	14.5	90	0.00
42	TM	1,2-Dichloroethane	50.000	47.978	4.0	104	0.00
43	T	Isopropyl Acetate	50.000	47.984	4.0	100	0.00
44	TM	Trichloroethene	50.000	48.665	2.7	105	0.00
45	C	1,2-Dichloropropane	50.000	48.637	2.7#	104	0.00
46	T	Dibromomethane	50.000	48.195	3.6	103	0.00
47	T	Bromodichloromethane	50.000	48.352	3.3	103	0.00
48	T	Methyl methacrylate	50.000	48.481	3.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	944.605	5.5	102	0.00
50	S	Toluene-d8	50.000	49.599	0.8	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	240.853	3.7	99	0.00
52	CM	Toluene	50.000	49.351	1.3#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	49.988	0.0	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.192	1.6	104	0.00
55	T	1,1,2-Trichloroethane	50.000	47.334	5.3	100	0.00
56	T	Ethyl methacrylate	50.000	50.979	-2.0	101	0.00
57	T	1,3-Dichloropropane	50.000	49.183	1.6	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	234.614	6.2	92	0.00
59	T	2-Hexanone	250.000	249.476	0.2	98	0.00
60	T	Dibromochloromethane	50.000	48.867	2.3	102	0.00
61	T	1,2-Dibromoethane	50.000	47.532	4.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	49.290	1.4	112	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	112	0.00
64	T	Tetrachloroethene	50.000	47.455	5.1	103	0.00
65	PM	Chlorobenzene	50.000	48.625	2.8	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.295	1.4	105	0.00
67	C	Ethyl Benzene	50.000	49.609	0.8#	104	0.00
68	T	m/p-Xylenes	100.000	98.298	1.7	103	0.00
69	T	o-Xylene	50.000	49.676	0.6	103	0.00
70	T	Styrene	50.000	50.431	-0.9	103	0.00
71	P	Bromoform	50.000	48.247	3.5	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	49.774	0.5	102	0.00
74	T	N-amyl acetate	50.000	51.162	-2.3	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.150	3.7	99	0.00
76	T	1,2,3-Trichloropropane	50.000	40.055	19.9	83	0.00
77	T	Bromobenzene	50.000	49.529	0.9	103	0.00
78	T	n-propylbenzene	50.000	49.510	1.0	101	0.00
79	T	2-Chlorotoluene	50.000	49.181	1.6	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.604	0.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.724	0.6	100	0.00
82	T	4-Chlorotoluene	50.000	49.408	1.2	103	0.00
83	T	tert-Butylbenzene	50.000	48.765	2.5	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.846	0.3	102	0.00
85	T	sec-Butylbenzene	50.000	48.069	3.9	100	0.00
86	T	p-Isopropyltoluene	50.000	48.594	2.8	100	0.00
87	T	1,3-Dichlorobenzene	50.000	48.450	3.1	101	0.00
88	T	1,4-Dichlorobenzene	50.000	47.797	4.4	101	0.00
89	T	n-Butylbenzene	50.000	48.491	3.0	98	0.00
90	T	Hexachloroethane	50.000	47.306	5.4	101	0.00
91	T	1,2-Dichlorobenzene	50.000	48.457	3.1	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.306	5.4	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.769	4.5	99	0.00
94	T	Hexachlorobutadiene	50.000	45.603	8.8	97	0.00
95	T	Naphthalene	50.000	50.937	-1.9	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.779	4.4	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 20:06

Lab File ID: VY021344.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.612	0.566	0.1	-7.52	50
Vinyl Chloride	0.601	0.577		-3.99	50
Bromomethane	0.399	0.382		-4.26	50
Chloroethane	0.373	0.374		0.27	50
Trichlorofluoromethane	0.908	0.871		-4.07	50
1,1,2-Trichlorotrifluoroethane	0.525	0.494		-5.91	50
1,1-Dichloroethene	0.503	0.489		-2.78	50
Acetone	0.109	0.098		-10.09	50
Carbon Disulfide	1.671	1.626		-2.69	50
Methyl tert-butyl Ether	1.329	1.439		8.28	50
Methylene Chloride	0.588	0.567		-3.57	50
trans-1,2-Dichloroethene	0.554	0.566		2.17	50
1,1-Dichloroethane	1.040	1.051	0.1	1.06	50
2-Butanone	0.164	0.166		1.22	50
Carbon Tetrachloride	0.554	0.520		-6.14	50
cis-1,2-Dichloroethene	0.632	0.663		4.91	50
Chloroform	1.054	1.085		2.94	50
1,1,1-Trichloroethane	0.960	0.958		-0.21	50
Methylcyclohexane	0.623	0.557		-10.59	50
Benzene	1.456	1.421		-2.4	50
1,2-Dichloroethane	0.413	0.419		1.45	50
Trichloroethene	0.364	0.352		-3.3	50
1,2-Dichloropropane	0.350	0.341		-2.57	50
Bromodichloromethane	0.511	0.511		0	50
4-Methyl-2-Pentanone	0.243	0.248		2.06	50
Toluene	0.904	0.897		-0.77	50
t-1,3-Dichloropropene	0.468	0.465		-0.64	50
cis-1,3-Dichloropropene	0.552	0.534		-3.26	50
1,1,2-Trichloroethane	0.249	0.254		2.01	50
2-Hexanone	0.159	0.166		4.4	50
Dibromochloromethane	0.340	0.345		1.47	50
Tetrachloroethene	0.378	0.354		-6.35	50
Chlorobenzene	1.122	1.085	0.3	-3.3	50
Ethyl Benzene	1.988	1.913		-3.77	50
m/p-Xylenes	0.748	0.722		-3.48	50
o-Xylene	0.701	0.694		-1	50
Styrene	1.166	1.170		0.26	50
Bromoform	0.225	0.225	0.1	0	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1380 SAS No.: Q1380 SDG No.: Q1380

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 20:06

Lab File ID: VY021344.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.759	3.702		-1.52	50
1,1,2,2-Tetrachloroethane	0.663	0.666	0.3	0.45	50
1,3-Dichlorobenzene	1.730	1.669		-3.53	50
1,4-Dichlorobenzene	1.709	1.629		-4.68	50
1,2-Dichlorobenzene	1.515	1.475		-2.64	50
1,2-Dichloroethane-d4	0.567	0.529		-6.7	50
Dibromofluoromethane	0.328	0.298		-9.15	50
Toluene-d8	1.267	1.131		-10.73	50
4-Bromofluorobenzene	0.426	0.383		-10.09	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110600	46.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.240%			
35) Dibromofluoromethane	7.634	113	102286	45.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.860%			
50) Toluene-d8	10.103	98	388525	44.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.300%			
62) 4-Bromofluorobenzene	12.408	95	131584	44.933	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	89202	44.987	ug/l	100
3) Chloromethane	2.068	50	118305	46.199	ug/l	100
4) Vinyl Chloride	2.202	62	120584	47.976	ug/l	98
5) Bromomethane	2.592	94	79891	47.832	ug/l	99
6) Chloroethane	2.733	64	78213	50.180	ug/l	98
7) Trichlorofluoromethane	3.056	101	182167	47.991	ug/l	98
8) Diethyl Ether	3.452	74	60683	53.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	103386	47.044	ug/l	99
10) Methyl Iodide	4.007	142	132681	57.386	ug/l	99
11) Tert butyl alcohol	4.854	59	42284	231.715	ug/l	99
12) 1,1-Dichloroethene	3.787	96	102196	48.566	ug/l	99
13) Acrolein	3.653	56	6424	45.939	ug/l	96
14) Allyl chloride	4.385	41	183341	49.143	ug/l	99
15) Acrylonitrile	5.055	53	130861	259.792	ug/l	99
16) Acetone	3.866	43	102355	224.914	ug/l	98
17) Carbon Disulfide	4.104	76	340079	48.671	ug/l	100
18) Methyl Acetate	4.385	43	59440	53.445	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	300902	54.123	ug/l	100
20) Methylene Chloride	4.616	84	118498	48.152	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	118319	51.077	ug/l	97
22) Diisopropyl ether	6.019	45	402879	52.185	ug/l	98
23) Vinyl Acetate	5.958	43	1195161	259.062	ug/l	100
24) 1,1-Dichloroethane	5.915	63	219734	50.498	ug/l	99
25) 2-Butanone	6.890	43	173965	253.286	ug/l	99
26) 2,2-Dichloropropane	6.884	77	170930	43.292	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	138734	52.447	ug/l	97
28) Bromochloromethane	7.244	49	93313	48.465	ug/l	97
29) Tetrahydrofuran	7.262	42	117269	261.209	ug/l	99
30) Chloroform	7.421	83	226821	51.443	ug/l	99
31) Cyclohexane	7.701	56	184463	44.101	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	200425	49.940	ug/l	98
36) 1,1-Dichloropropene	7.835	75	158713	46.928	ug/l	99
37) Ethyl Acetate	6.982	43	82433	48.999	ug/l	99
38) Carbon Tetrachloride	7.817	117	178448	46.933	ug/l	99
39) Methylcyclohexane	9.109	83	191242	44.707	ug/l	99
40) Benzene	8.079	78	488113	48.823	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	50830	54.039	ug/l		93
42) 1,2-Dichloroethane	8.158	62	143731	50.672	ug/l		99
43) Isopropyl Acetate	8.195	43	162361	49.861	ug/l		99
44) Trichloroethene	8.866	130	120825	48.271	ug/l		99
45) 1,2-Dichloropropane	9.140	63	117257	48.736	ug/l		99
46) Dibromomethane	9.231	93	66414	50.499	ug/l		99
47) Bromodichloromethane	9.420	83	175634	50.086	ug/l		98
48) Methyl methacrylate	9.219	41	77080	50.619	ug/l		97
49) 1,4-Dioxane	9.225	88	14855	1015.844	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.000	43	425033	254.988	ug/l		99
52) Toluene	10.170	92	307967	49.585	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	159678	49.701	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	183344	48.340	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	87133	50.858	ug/l		99
56) Ethyl methacrylate	10.438	69	127215	53.738	ug/l		98
57) 1,3-Dichloropropane	10.713	76	152781	50.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	292101	257.068	ug/l		99
59) 2-Hexanone	10.755	43	285133	260.462	ug/l		99
60) Dibromochloromethane	10.908	129	118508	50.788	ug/l		99
61) 1,2-Dibromoethane	11.012	107	82050	50.586	ug/l		98
64) Tetrachloroethene	10.646	164	108193	46.783	ug/l		99
65) Chlorobenzene	11.444	112	331937	48.330	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118595	49.313	ug/l		100
67) Ethyl Benzene	11.518	91	585231	48.106	ug/l		100
68) m/p-Xylenes	11.627	106	441830	96.556	ug/l		100
69) o-Xylene	11.956	106	212382	49.544	ug/l		100
70) Styrene	11.969	104	357830	50.170	ug/l		100
71) Bromoform	12.133	173	68887	50.071	ug/l		99
73) Isopropylbenzene	12.255	105	548496	49.240	ug/l		100
74) N-amyl acetate	12.072	43	146735	51.825	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	98641	50.176	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	72307m	48.754	ug/l		
77) Bromobenzene	12.530	156	130762	50.469	ug/l		98
78) n-propylbenzene	12.597	91	647434	47.897	ug/l		99
79) 2-Chlorotoluene	12.676	91	381569	49.187	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	448101	49.048	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	31668	47.460	ug/l		97
82) 4-Chlorotoluene	12.773	91	392065	48.755	ug/l		99
83) tert-Butylbenzene	12.999	119	405401	49.124	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449054	49.422	ug/l		99
85) sec-Butylbenzene	13.176	105	564734	46.848	ug/l		99
86) p-Isopropyltoluene	13.292	119	477095	47.399	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	247228	48.238	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	241313	47.661	ug/l		99
89) n-Butylbenzene	13.615	91	431776	45.583	ug/l		100
90) Hexachloroethane	13.883	117	97989	46.606	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	218493	48.659	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15872	51.037	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	127534	46.535	ug/l		99
94) Hexachlorobutadiene	15.023	225	74574	43.221	ug/l		99
95) Naphthalene	15.145	128	230889	50.863	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	109952	47.484	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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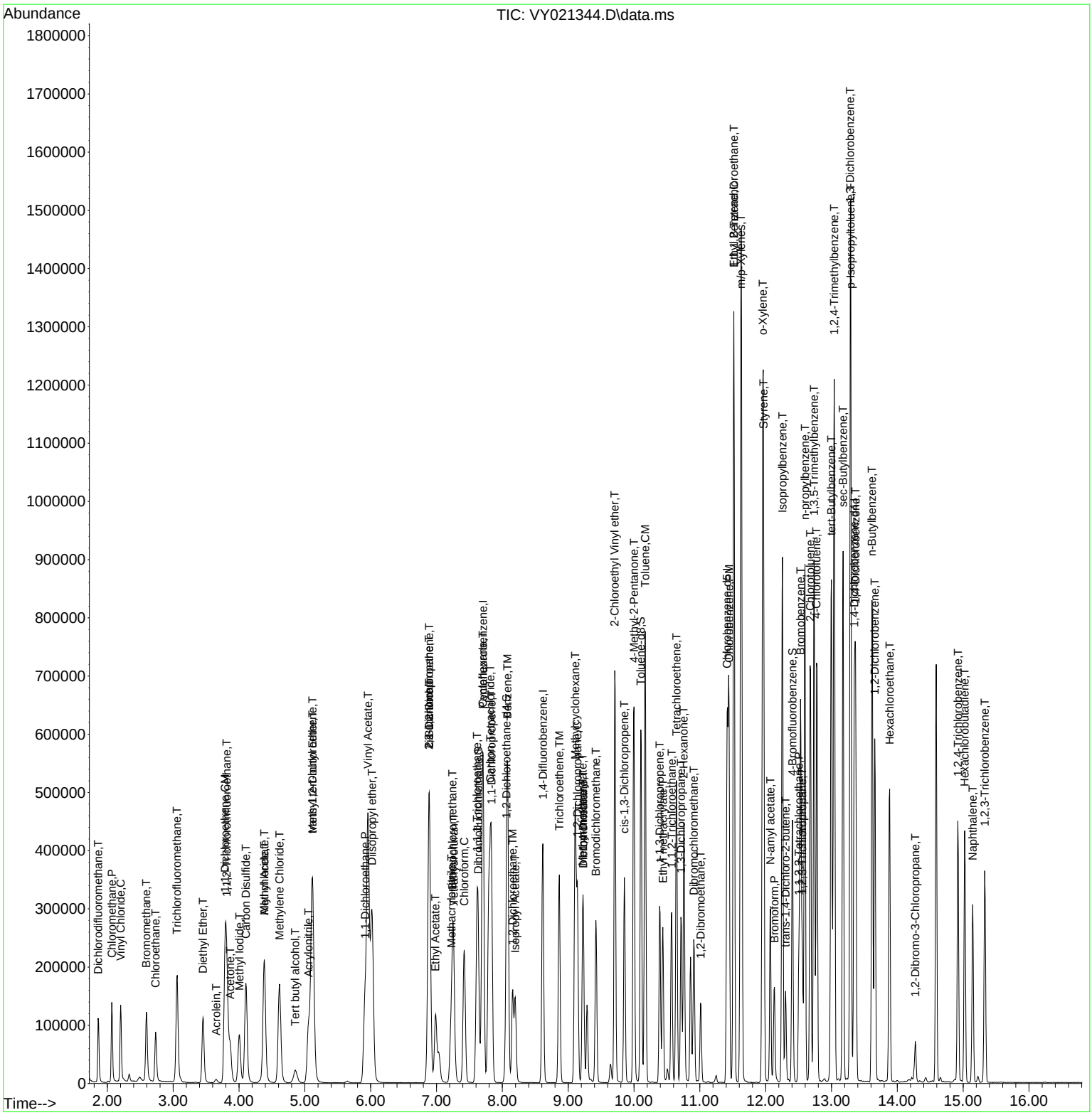
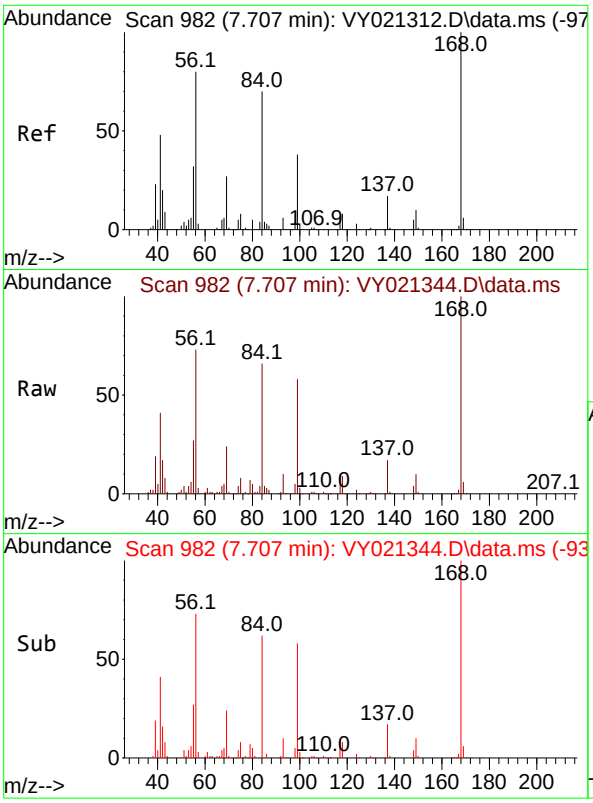
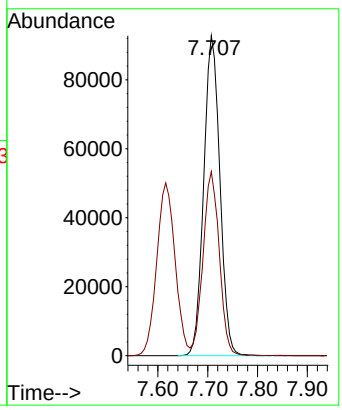




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:168 Resp: 20913

Ion	Ratio	Lower	Upper
168	100		
99	57.4	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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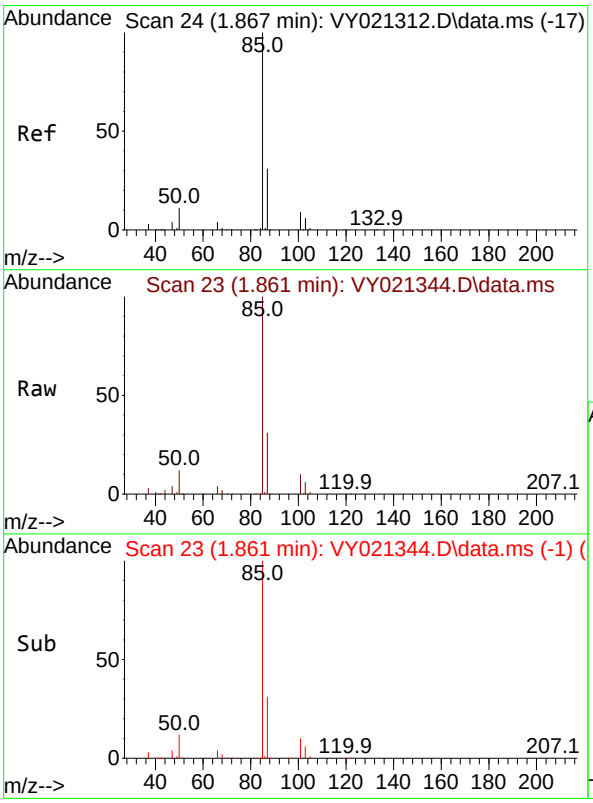
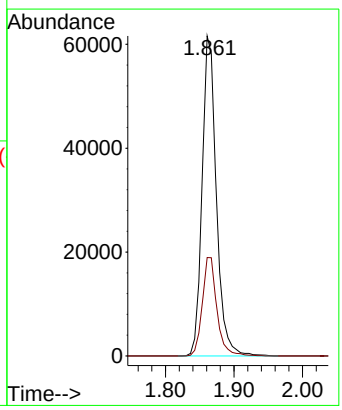
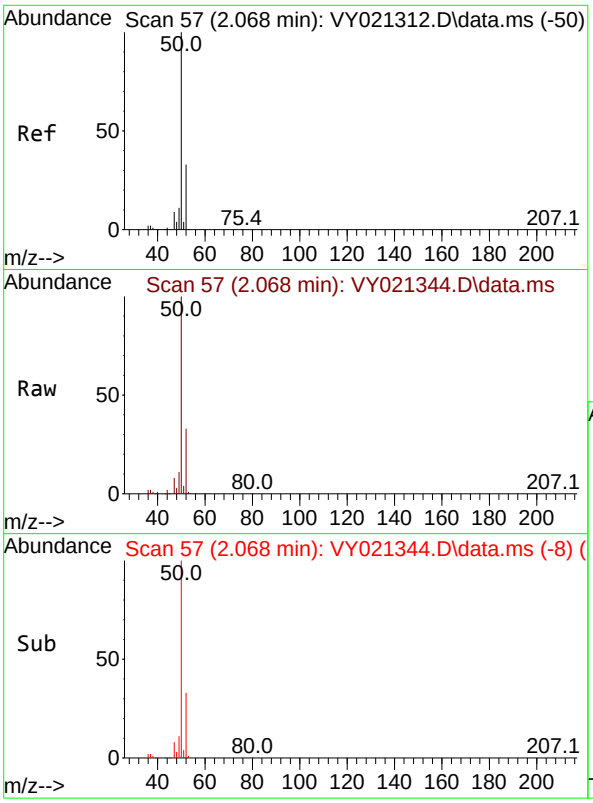


#2
Dichlorodifluoromethane
Concen: 44.987 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 85 Resp: 89202

Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.4	46.4

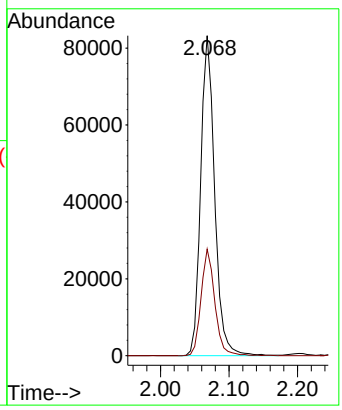




#3
Chloromethane
Concen: 46.199 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 50 Resp: 11830

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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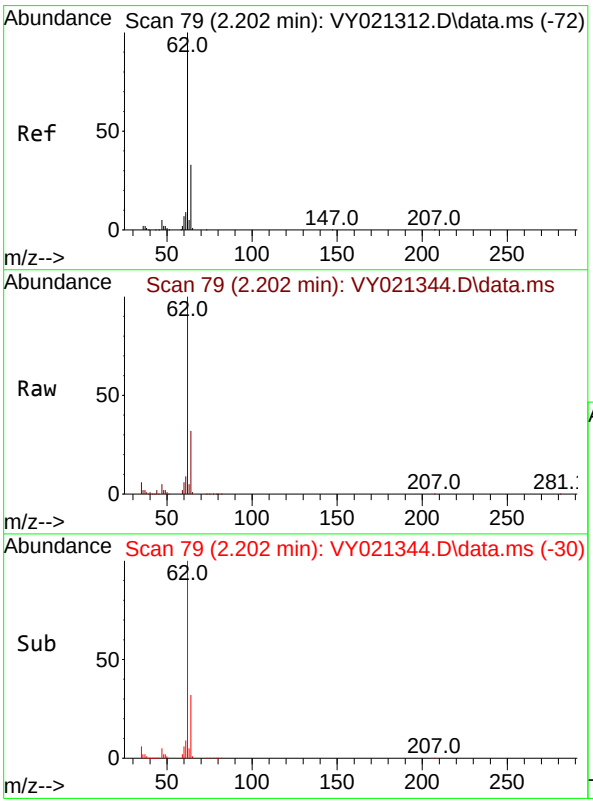
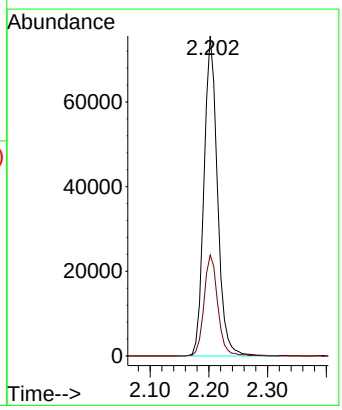
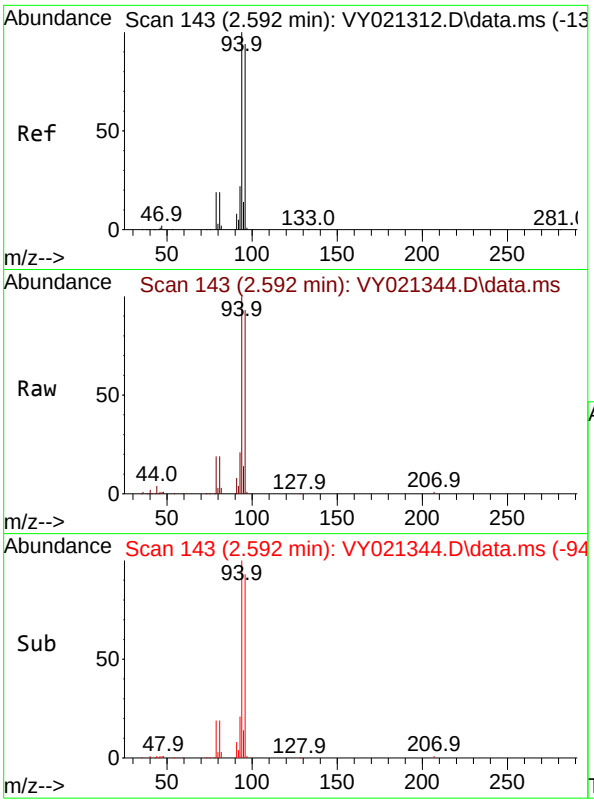


#4
Vinyl Chloride
Concen: 47.976 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 120584

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.3	39.5





#5
Bromomethane
Concen: 47.832 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 94 Resp: 7989

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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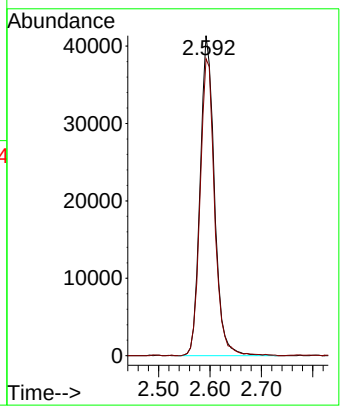
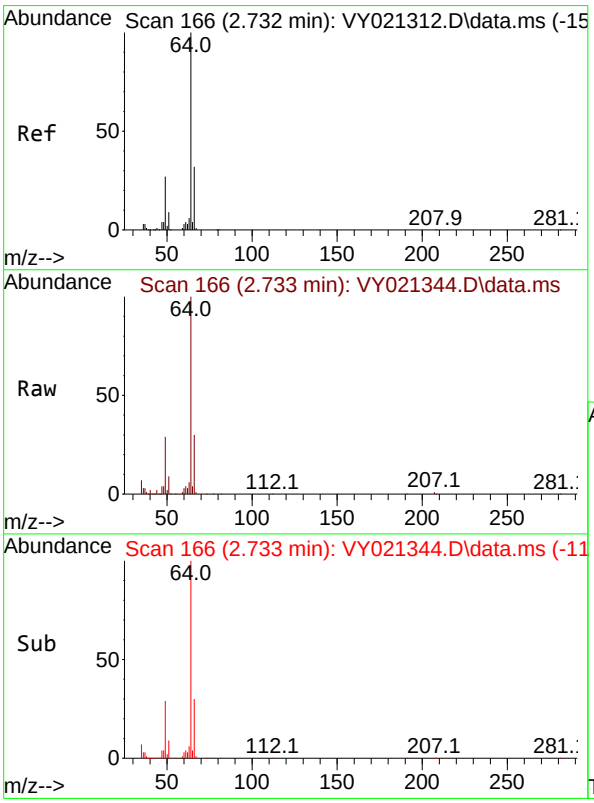
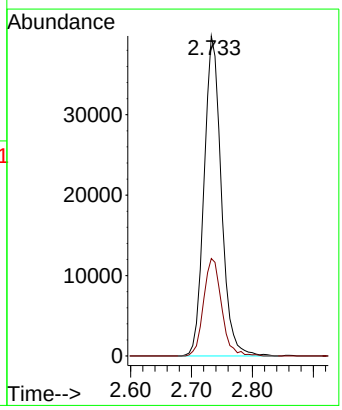


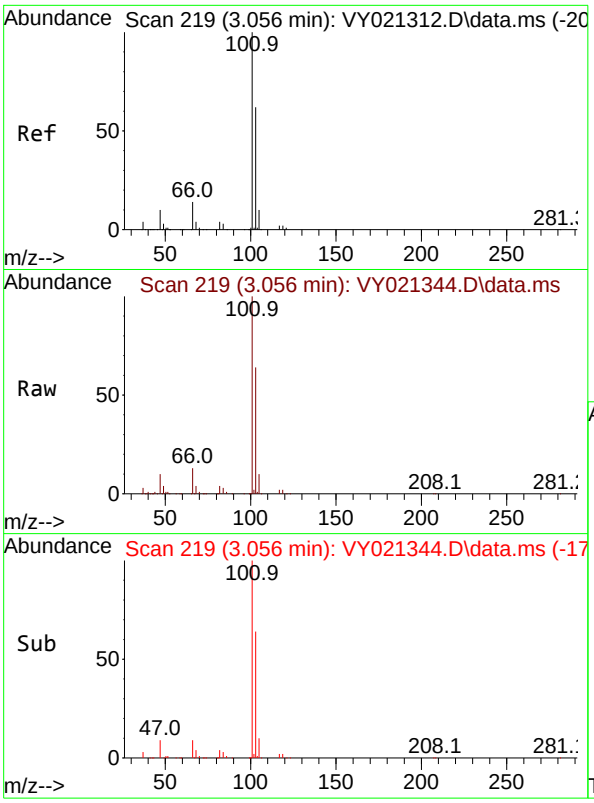


#6
Chloroethane
Concen: 50.180 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 64 Resp: 78213

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.4	38.0

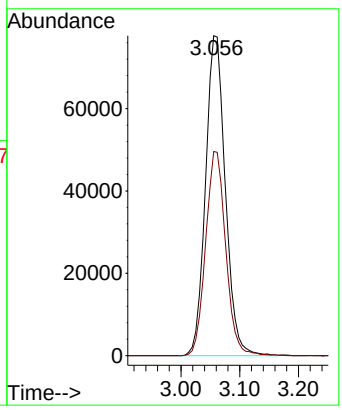




#7
Trichlorofluoromethane
Concen: 47.991 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:101 Resp: 18216

Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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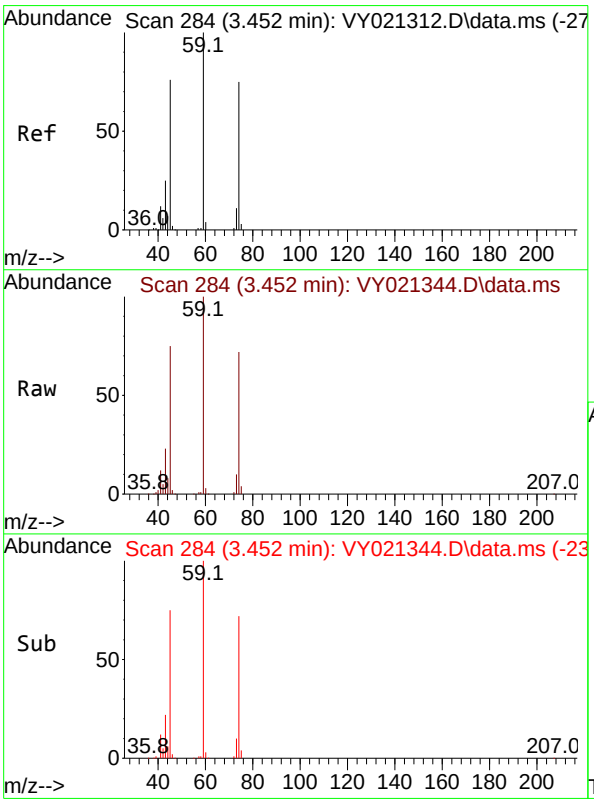
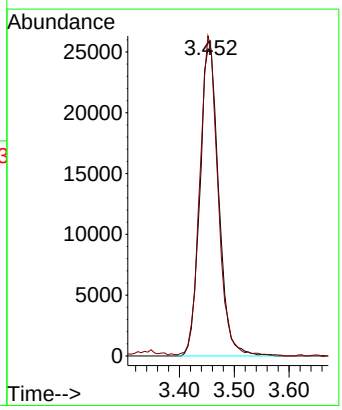
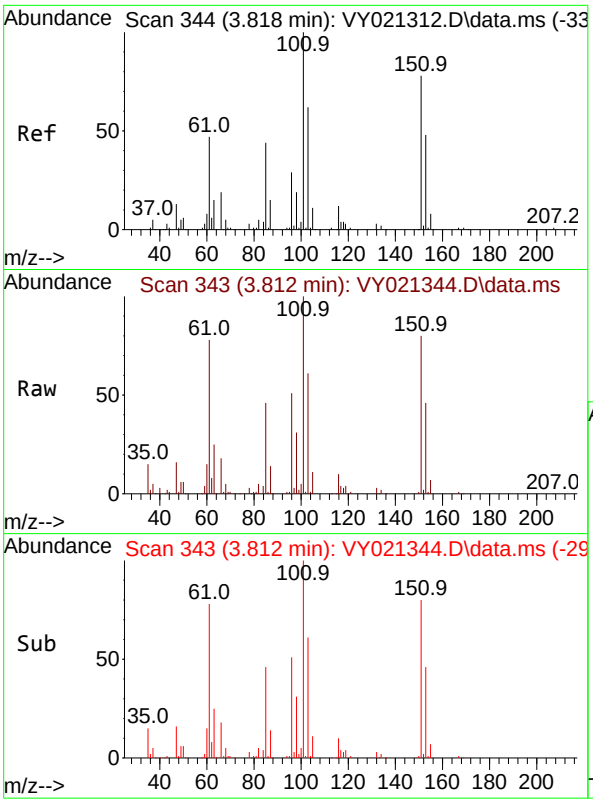


#8
Diethyl Ether
Concen: 53.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 74 Resp: 60683

Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.044 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:101 Resp: 10338

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	79.0	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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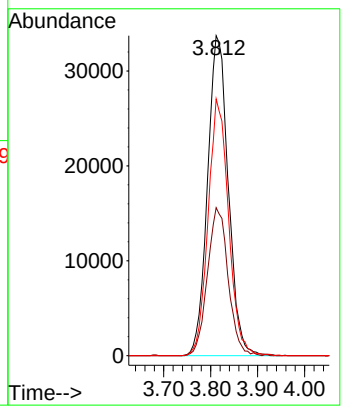
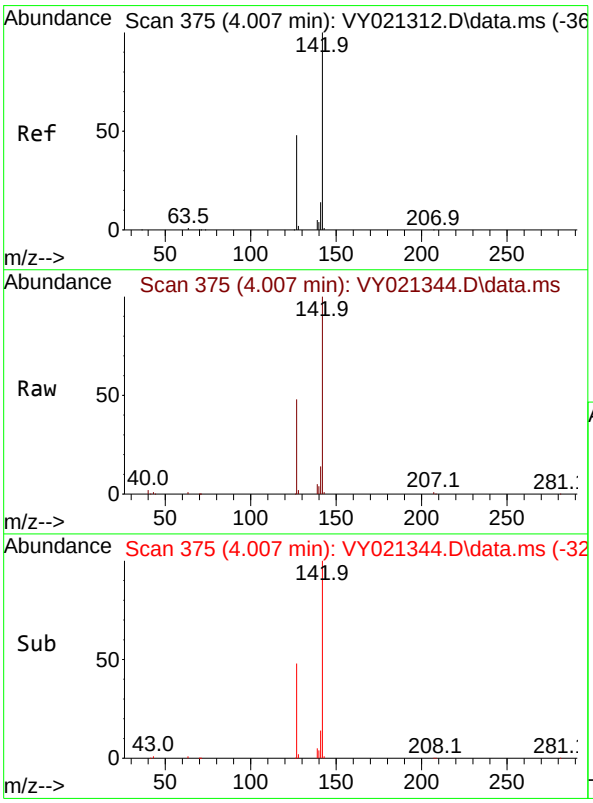
Supervised By :Mahesh Dadoda 02/27/2025

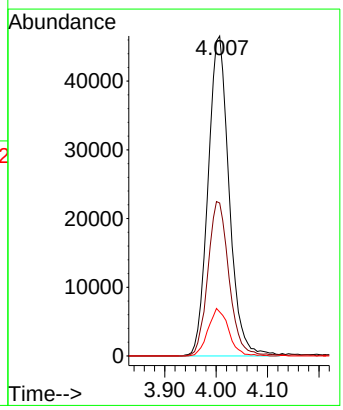


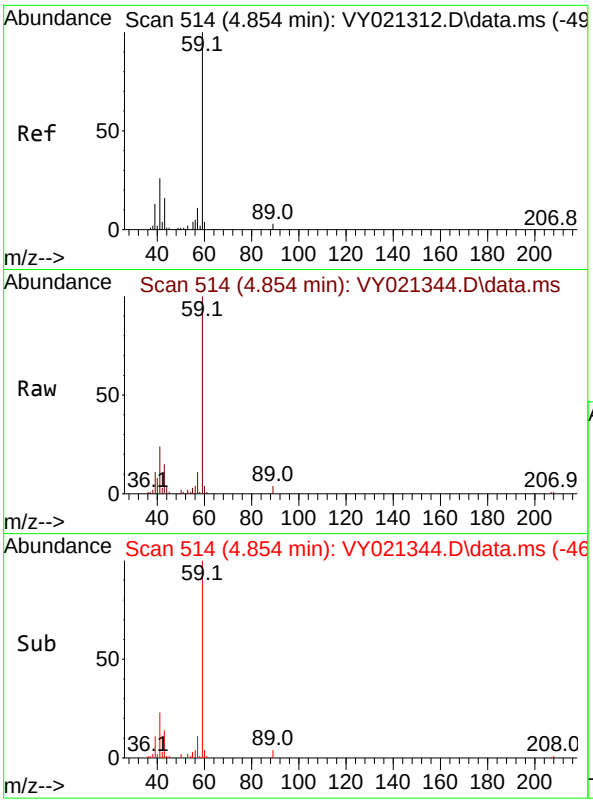


#10
Methyl Iodide
Concen: 57.386 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:142 Resp: 132681

Ion	Ratio	Lower	Upper
142	100		
127	48.5	39.2	58.8
141	14.5	11.4	17.2

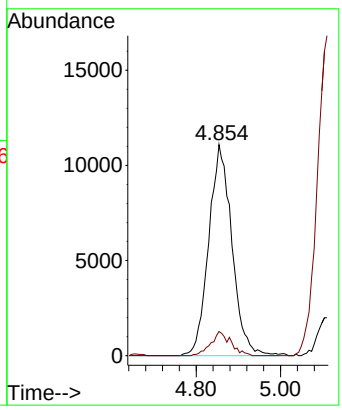




#11
Tert butyl alcohol
Concen: 231.715 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 59 Resp: 4228

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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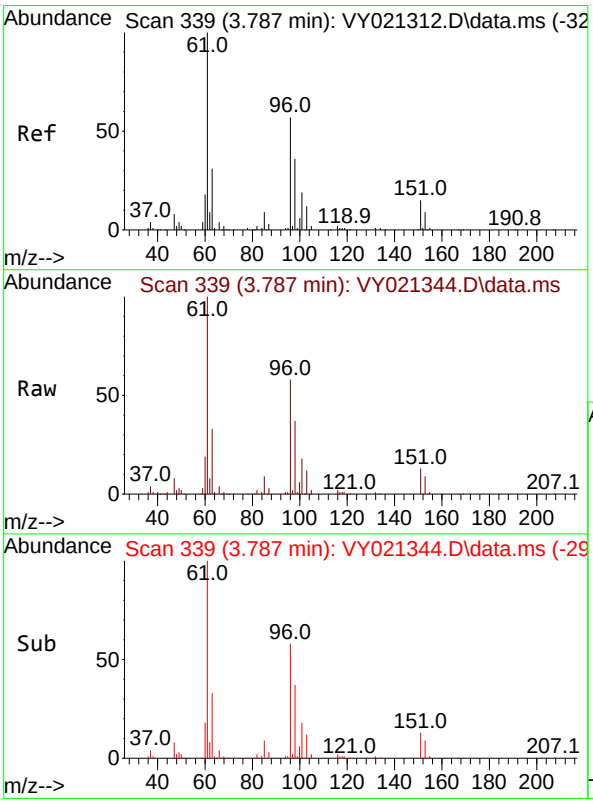
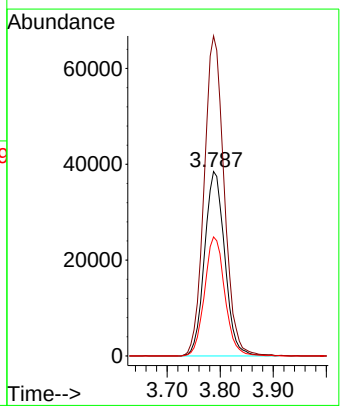
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

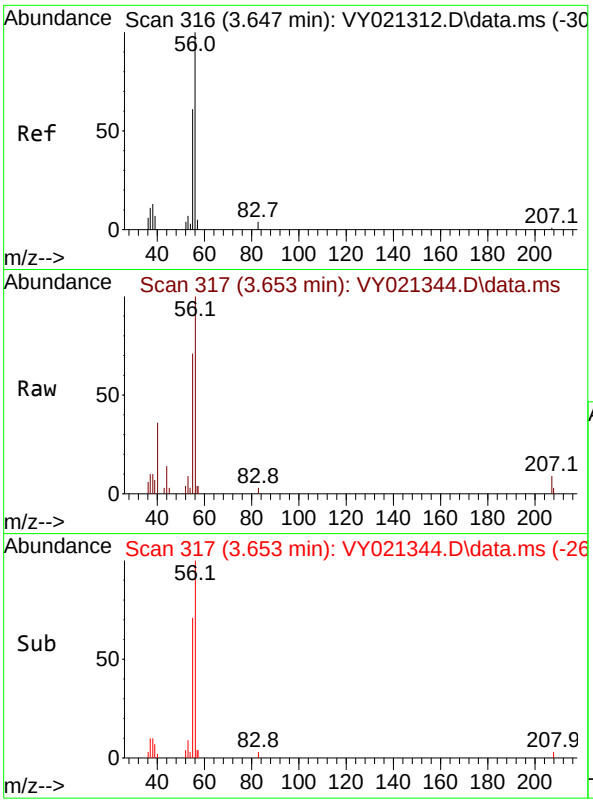


#12
1,1-Dichloroethene
Concen: 48.566 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 102196

Ion	Ratio	Lower	Upper
96	100		
61	173.5	139.7	209.5
98	64.6	49.7	74.5

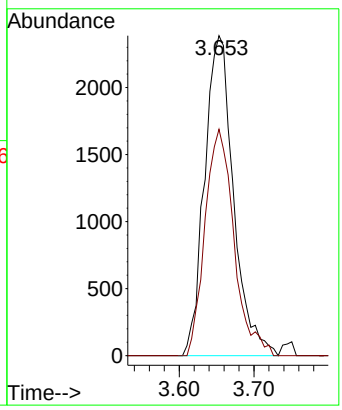




#13
Acrolein
Concen: 45.939 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 56 Resp: 642

Ion	Ratio	Lower	Upper
56	100		
55	70.7	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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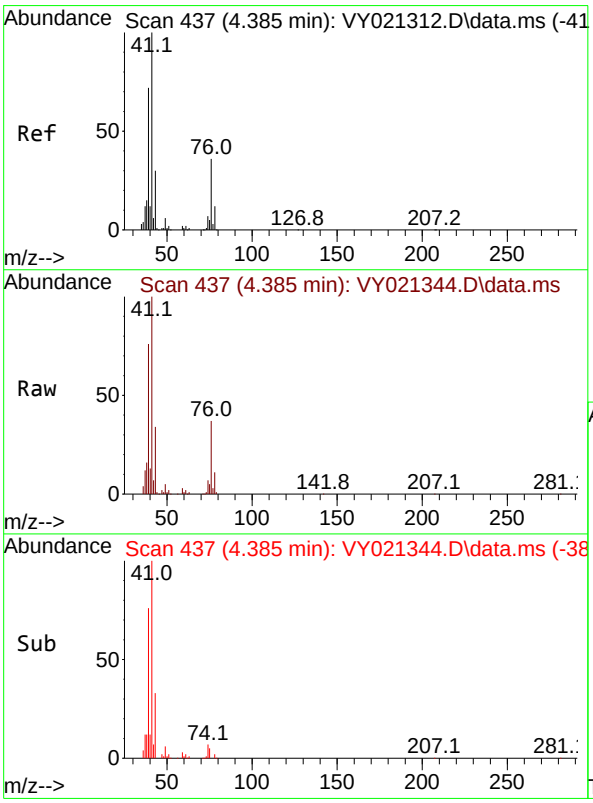
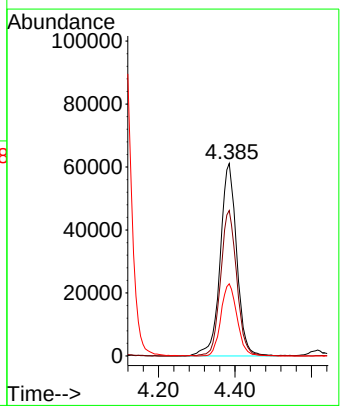
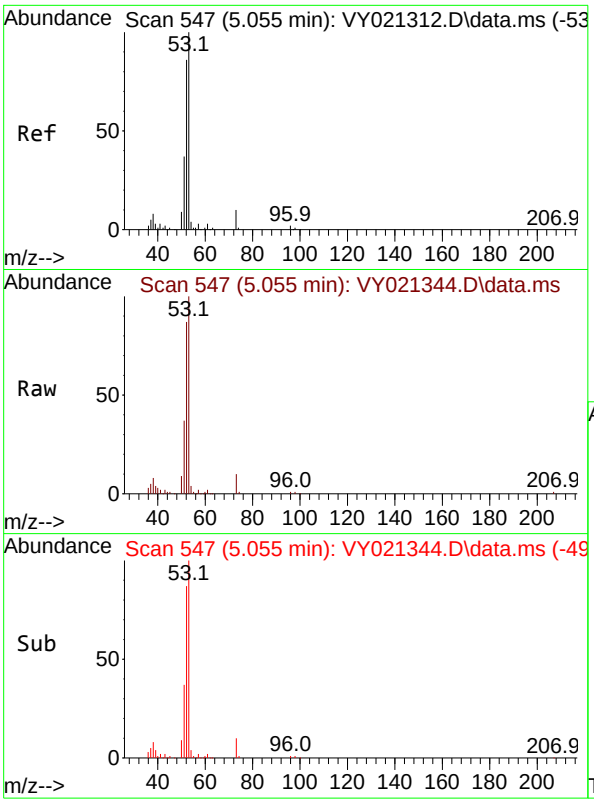


#14
Allyl chloride
Concen: 49.143 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 183341

Ion	Ratio	Lower	Upper
41	100		
39	74.0	60.0	90.0
76	36.6	29.0	43.6





#15
Acrylonitrile
Concen: 259.792 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 53 Resp: 13086

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	38.1	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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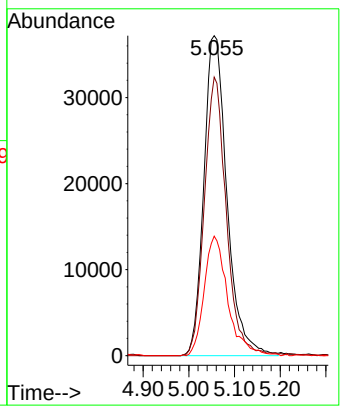
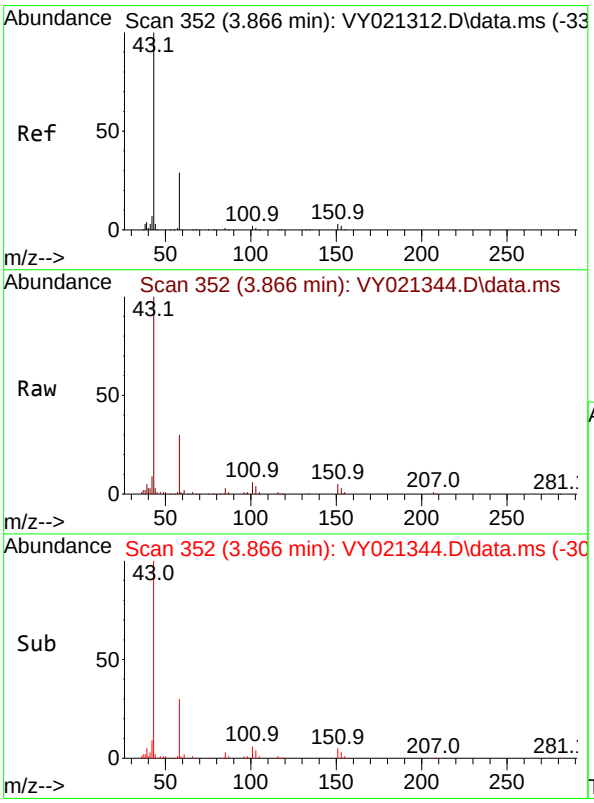
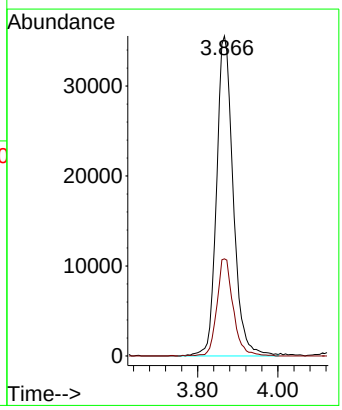


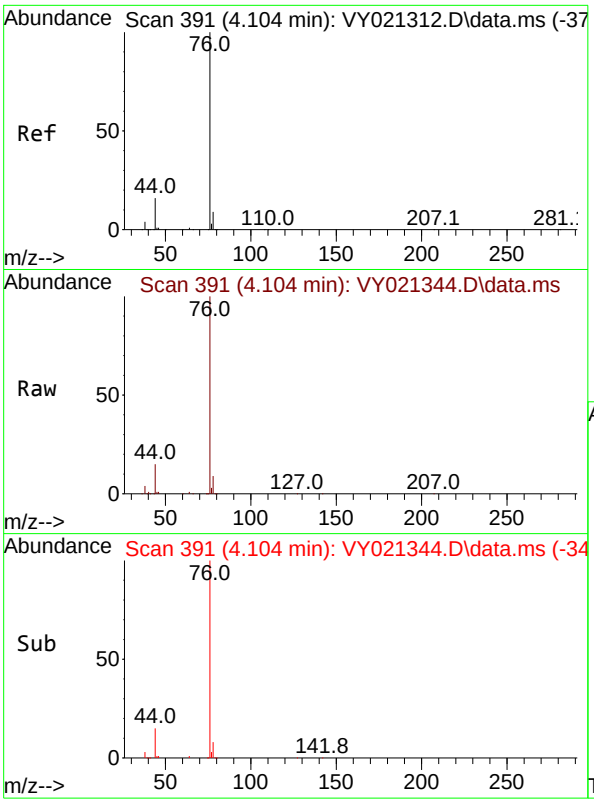


#16
Acetone
Concen: 224.914 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 102355

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.5	35.3





#17
Carbon Disulfide
Concen: 48.671 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 76 Resp: 34007

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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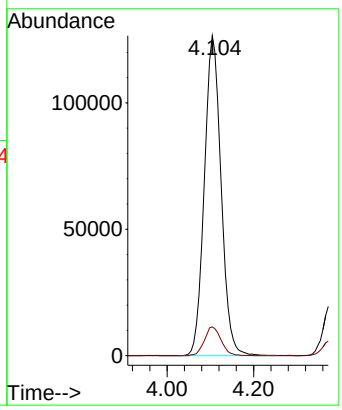
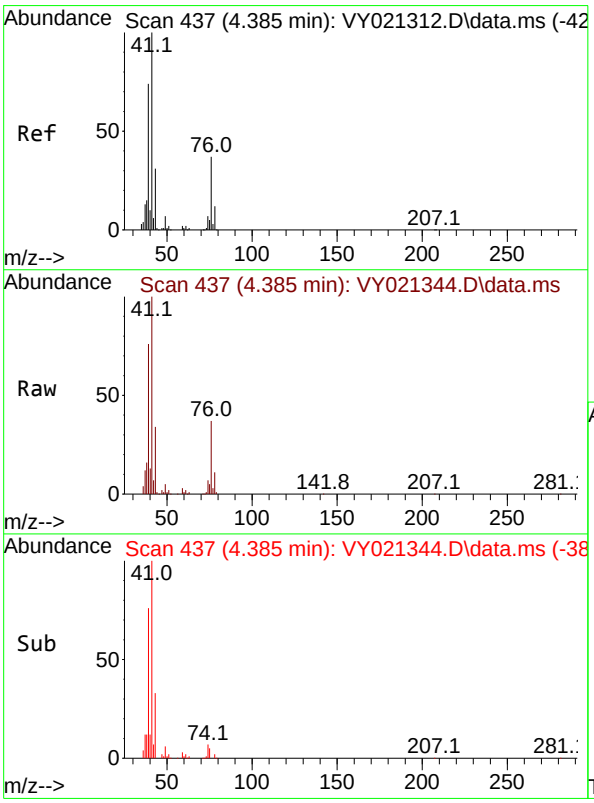
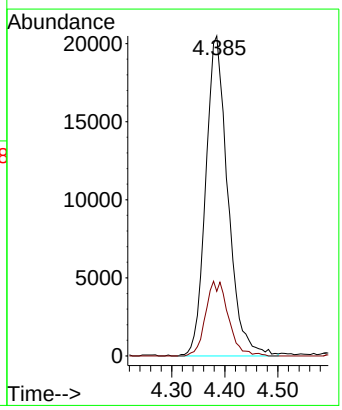


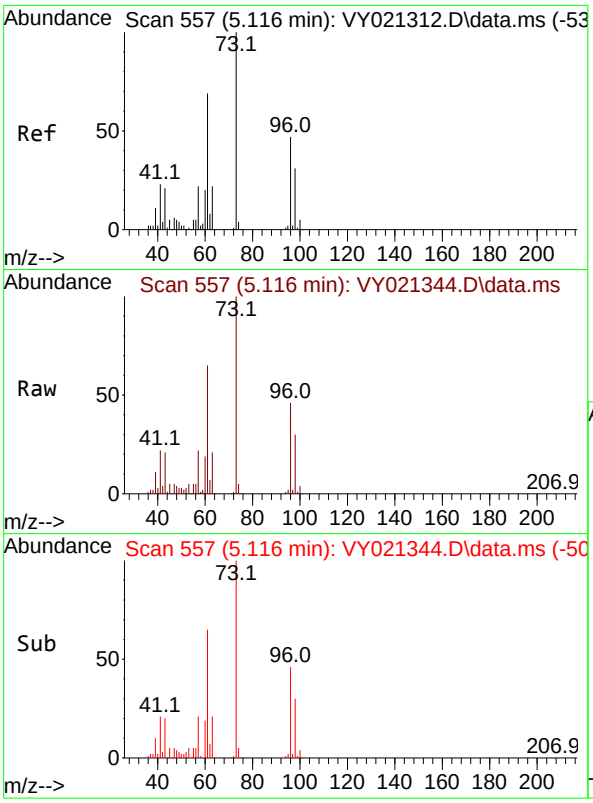


#18
Methyl Acetate
Concen: 53.445 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 59440

Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.7	26.5

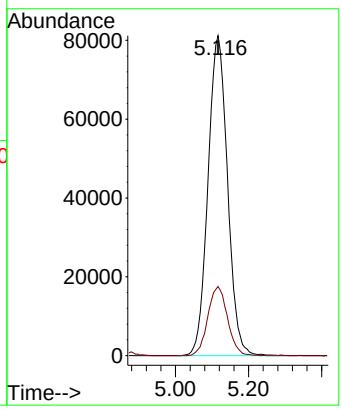




#19
Methyl tert-butyl Ether
Concen: 54.123 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 73 Resp: 30090

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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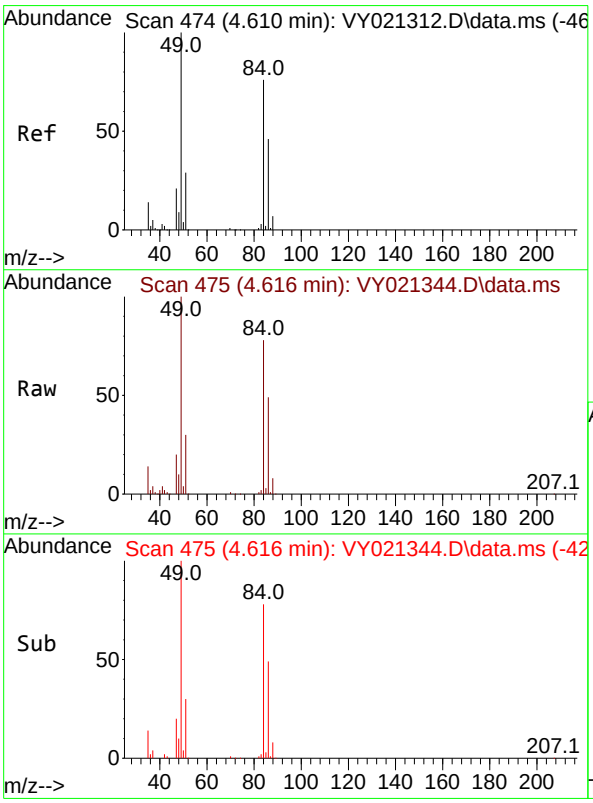
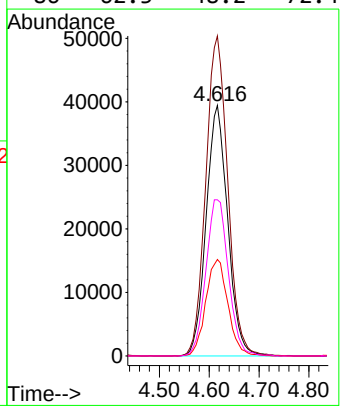
Supervised By :Mahesh Dadoda 02/27/2025

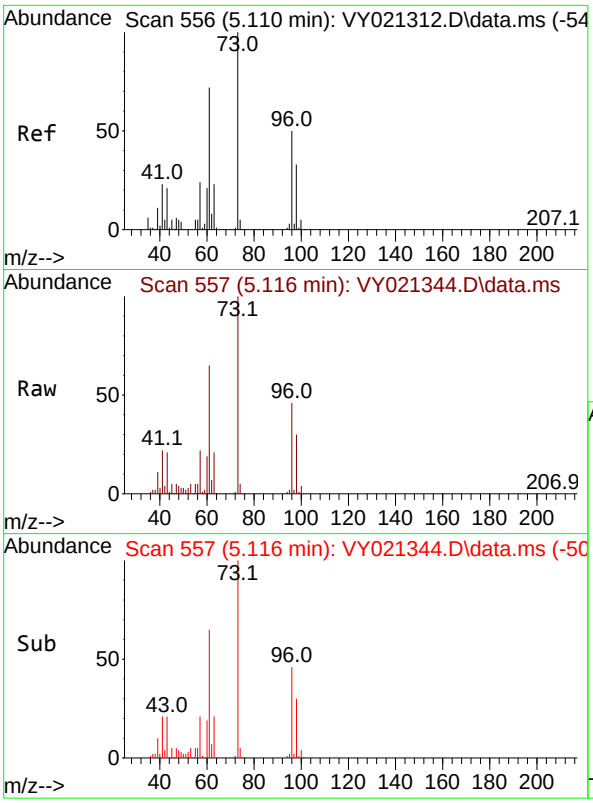


#20
Methylene Chloride
Concen: 48.152 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 84 Resp: 118498

Ion	Ratio	Lower	Upper
84	100		
49	127.7	105.1	157.7
51	38.5	31.0	46.4
86	62.3	48.2	72.4

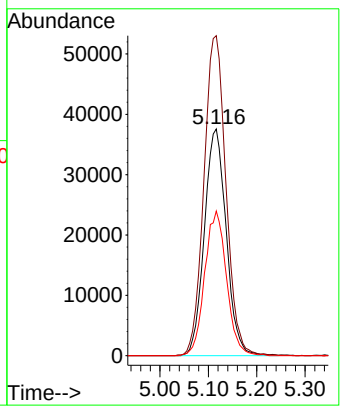




#21
trans-1,2-Dichloroethene
Concen: 51.077 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 11831

Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.3	174.5
98	63.8	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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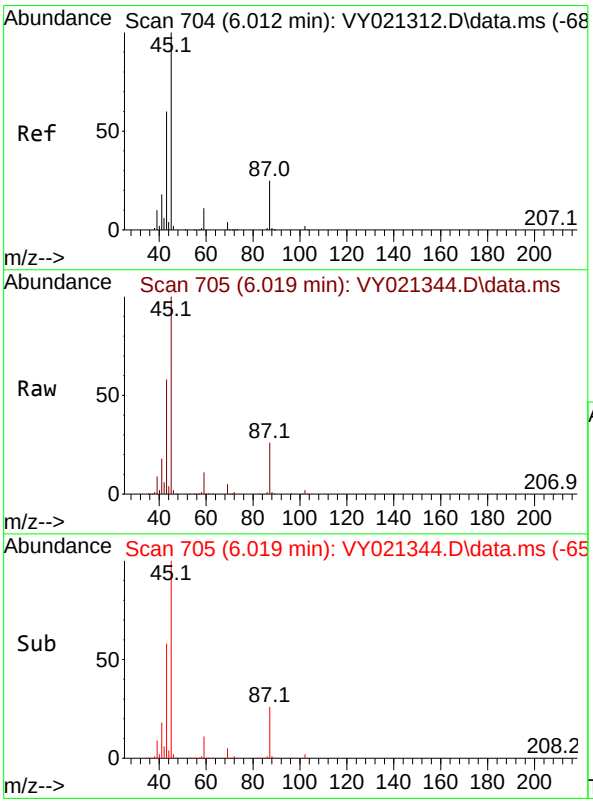
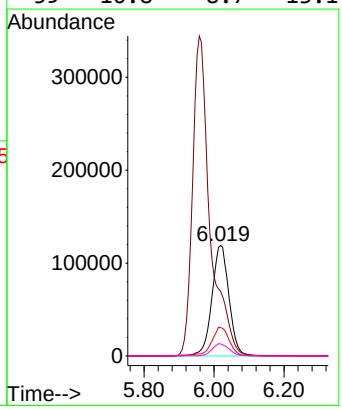
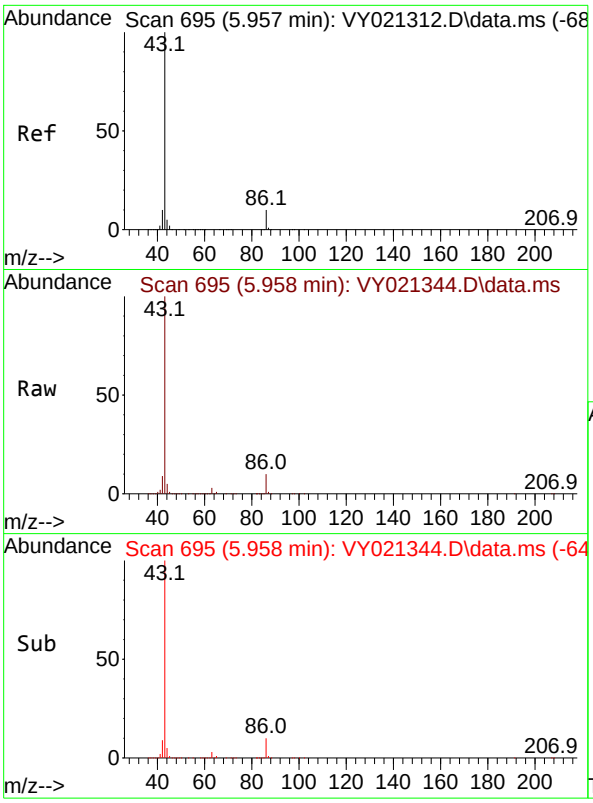


#22
Diisopropyl ether
Concen: 52.185 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 45 Resp: 402879

Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.2	72.4
87	25.7	20.3	30.5
59	10.8	8.7	13.1

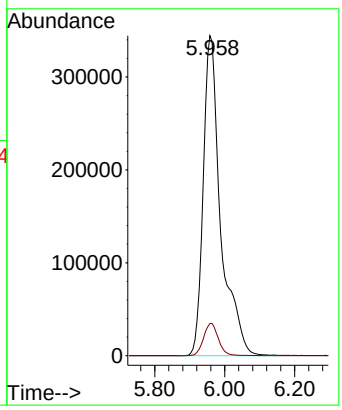




#23
Vinyl Acetate
Concen: 259.062 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 119516

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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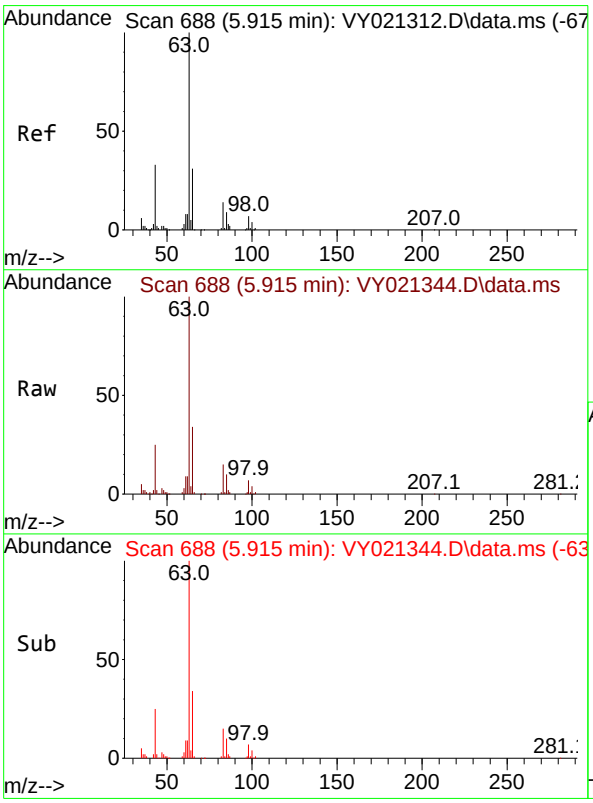
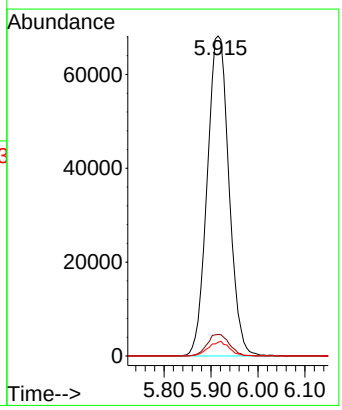
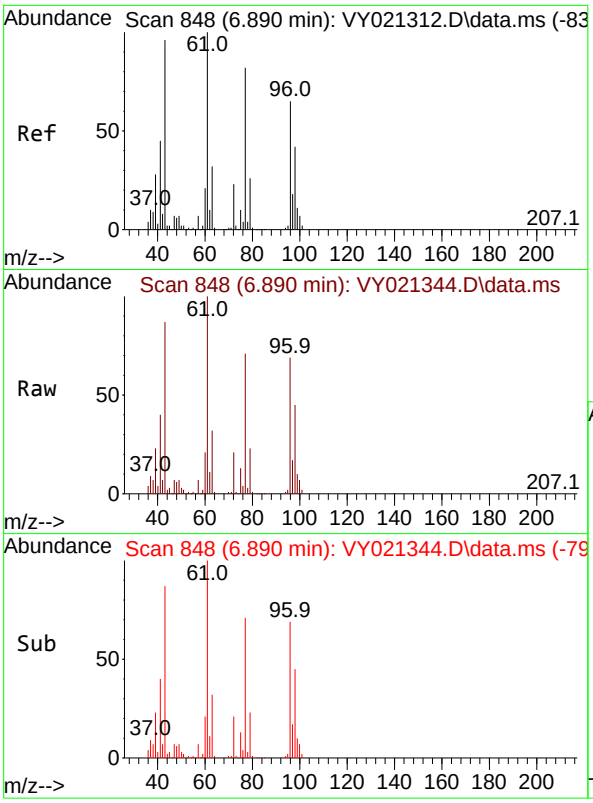


#24
1,1-Dichloroethane
Concen: 50.498 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 219734

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 253.286 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 17396

Ion	Ratio	Lower	Upper
43	100		
72	24.4	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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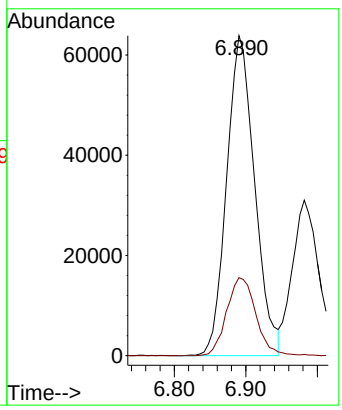
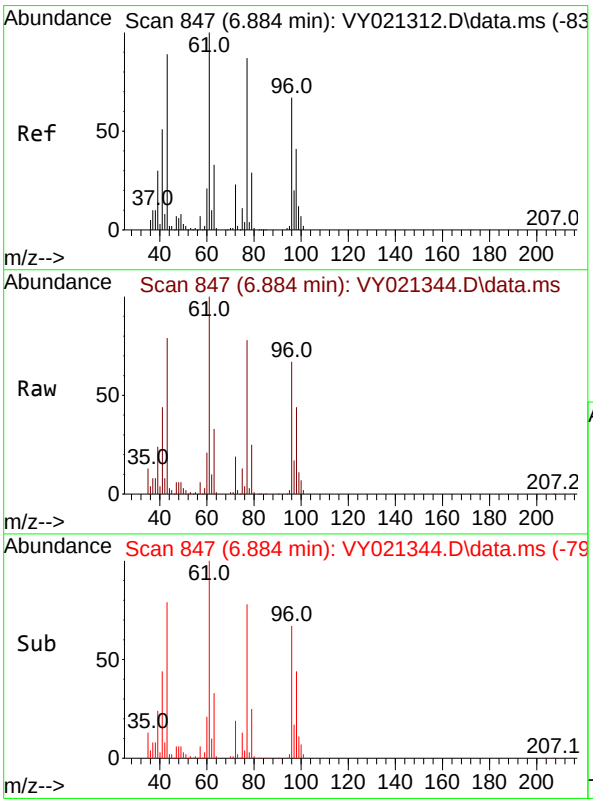
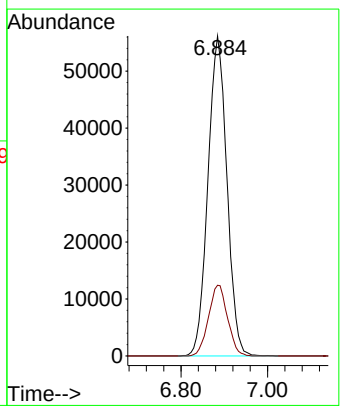


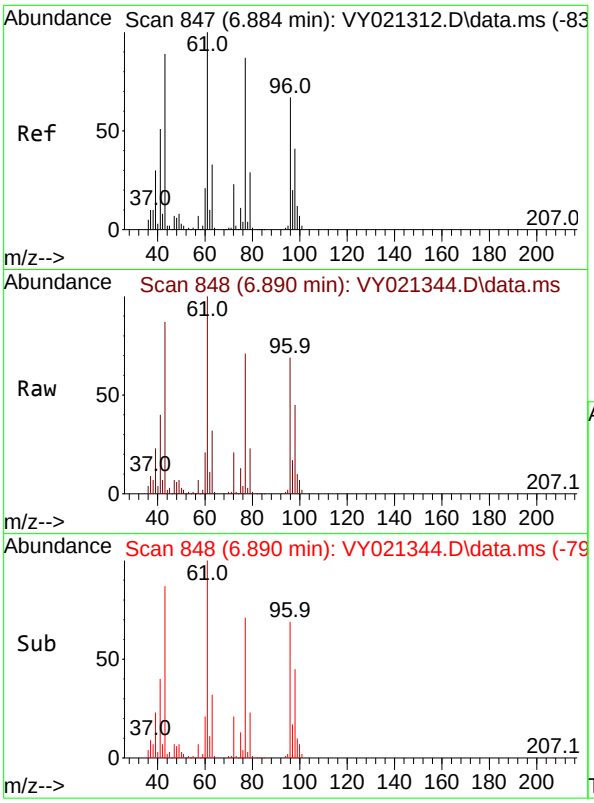


#26
2,2-Dichloropropane
Concen: 43.292 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 77 Resp: 170930

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

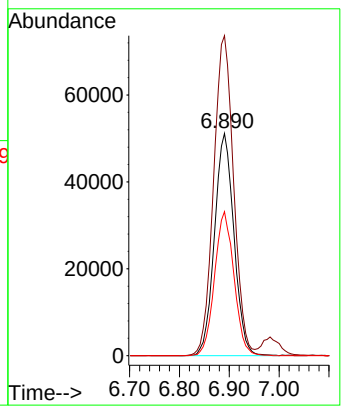




#27
cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 13873

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	308.0
98	64.7	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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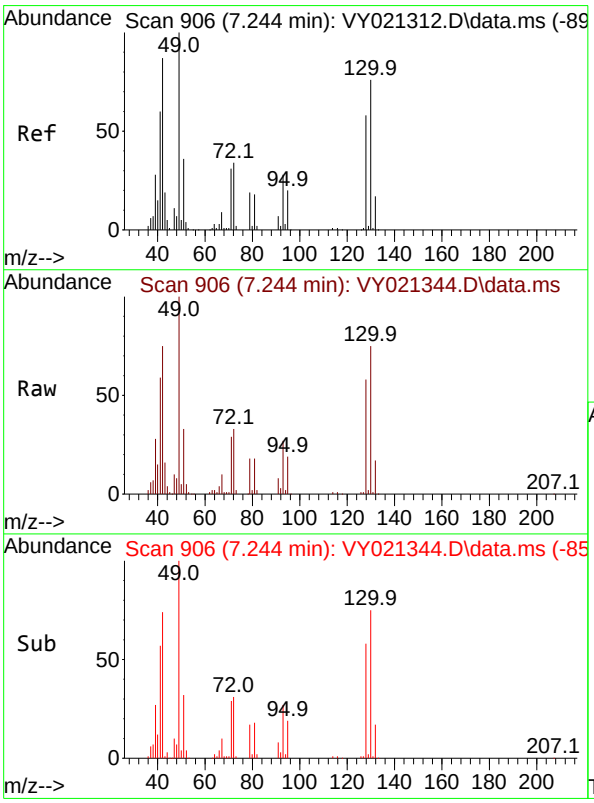
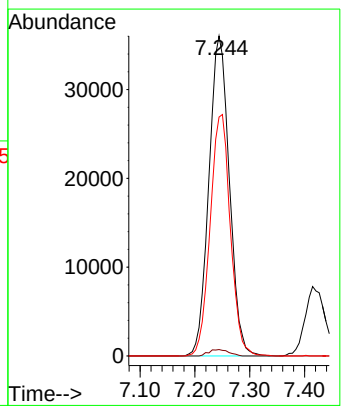
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

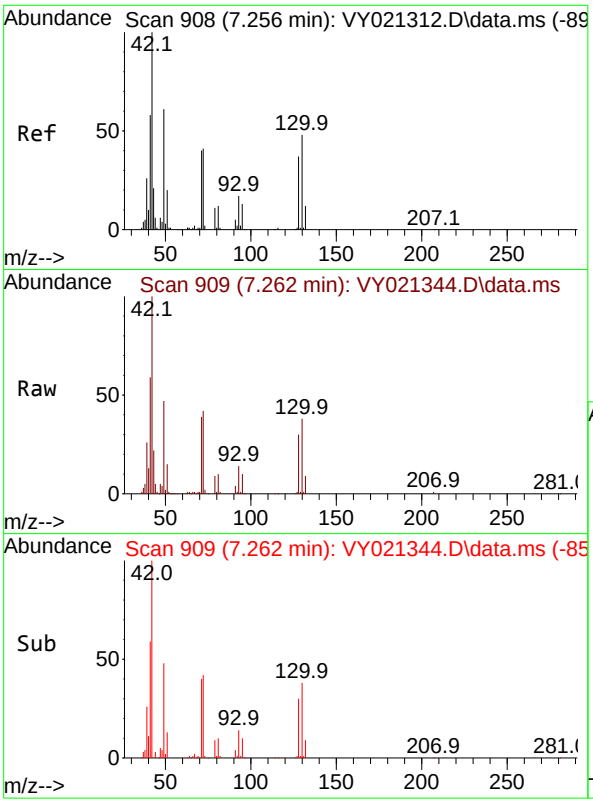


#28
Bromochloromethane
Concen: 48.465 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 49 Resp: 93313

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.6	57.8	86.6

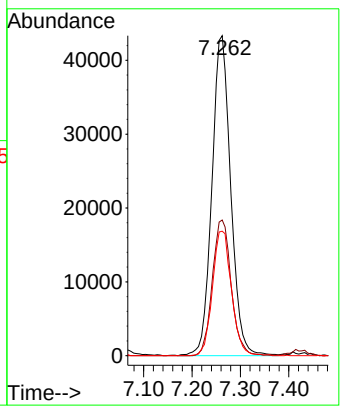




#29
Tetrahydrofuran
Concen: 261.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 42 Resp: 11726

Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.1	49.7
71	39.3	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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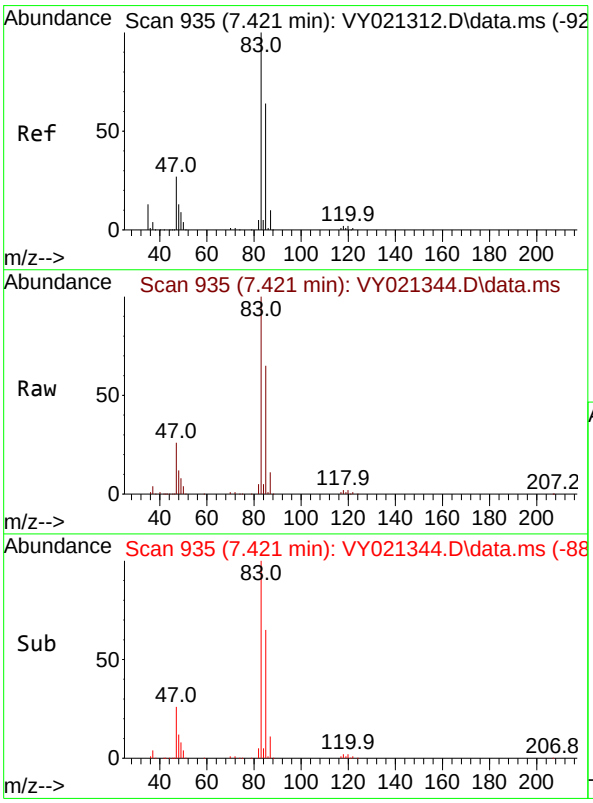
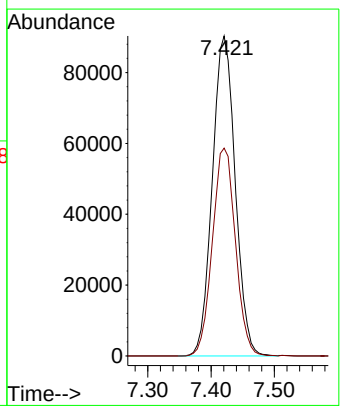
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

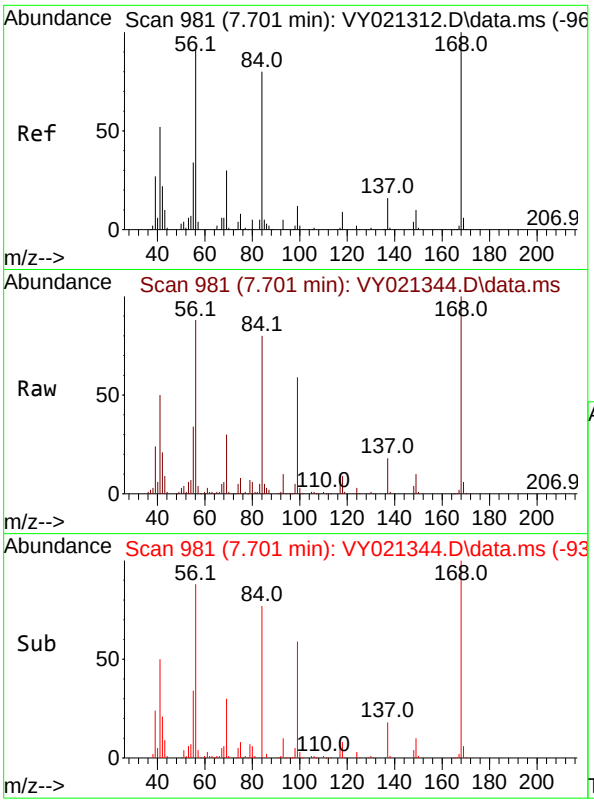


#30
Chloroform
Concen: 51.443 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 226821

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





#31
Cyclohexane
Concen: 44.101 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 56 Resp: 18446

Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.2	39.4
84	89.5	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
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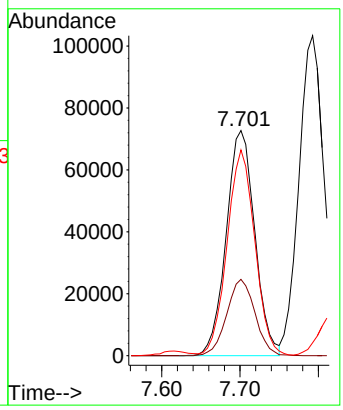
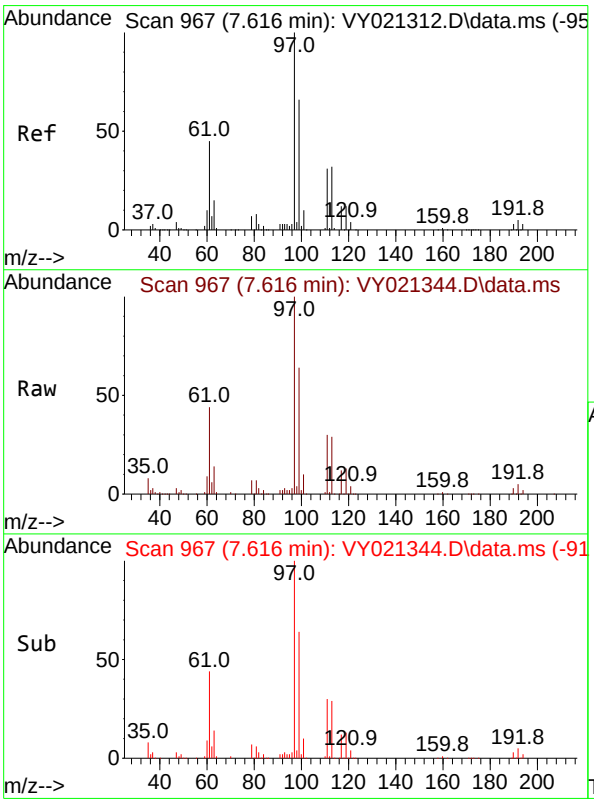
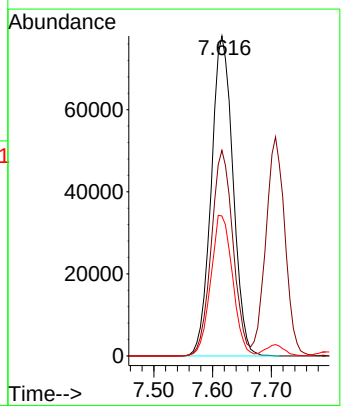


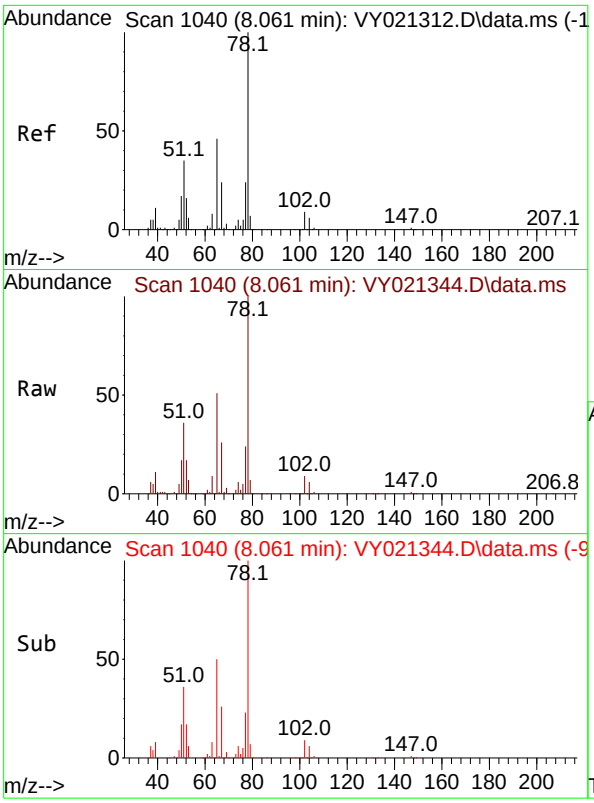


#32
1,1,1-Trichloroethane
Concen: 49.940 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 200425

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	44.2	36.2	54.2





#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 65 Resp: 11060

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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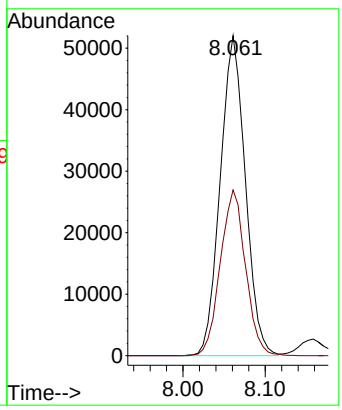
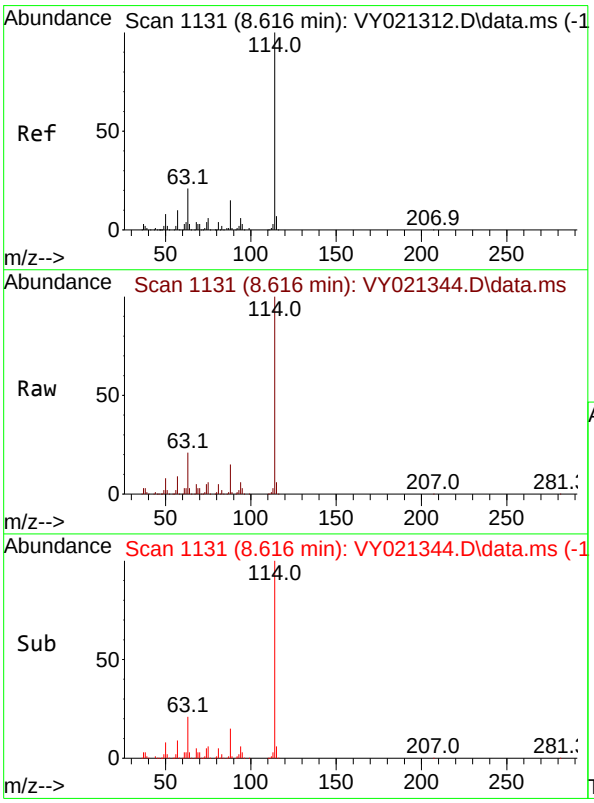
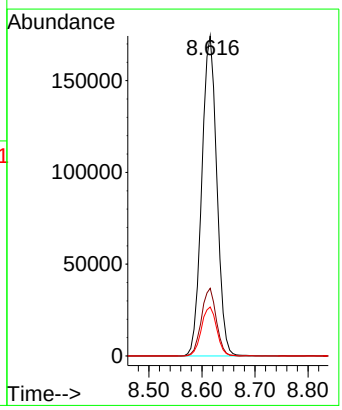


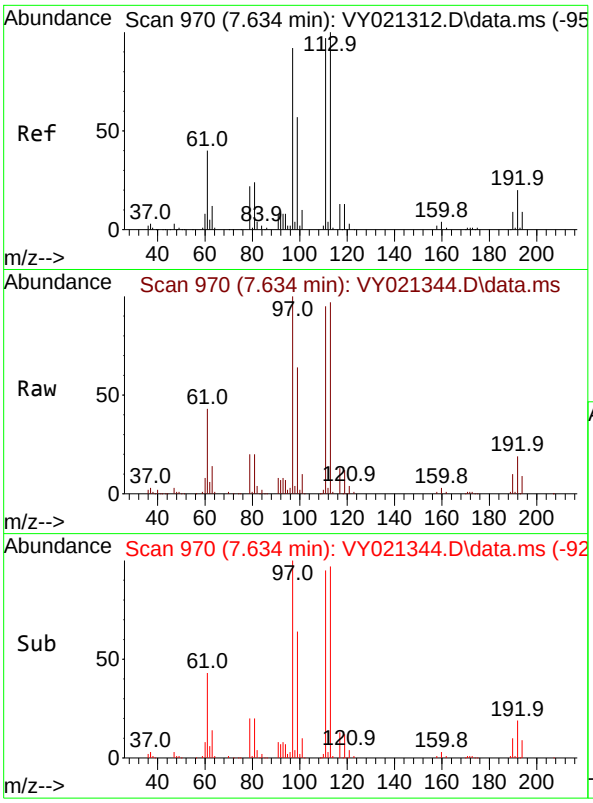


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:114 Resp: 343428

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8

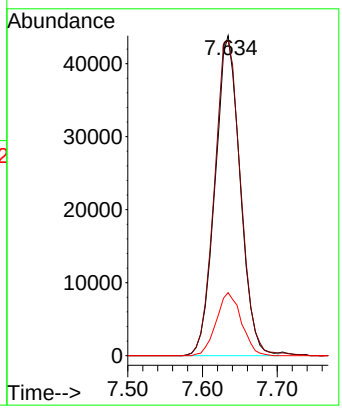




#35
Dibromofluoromethane
Concen: 45.429 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:113 Resp: 10228

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
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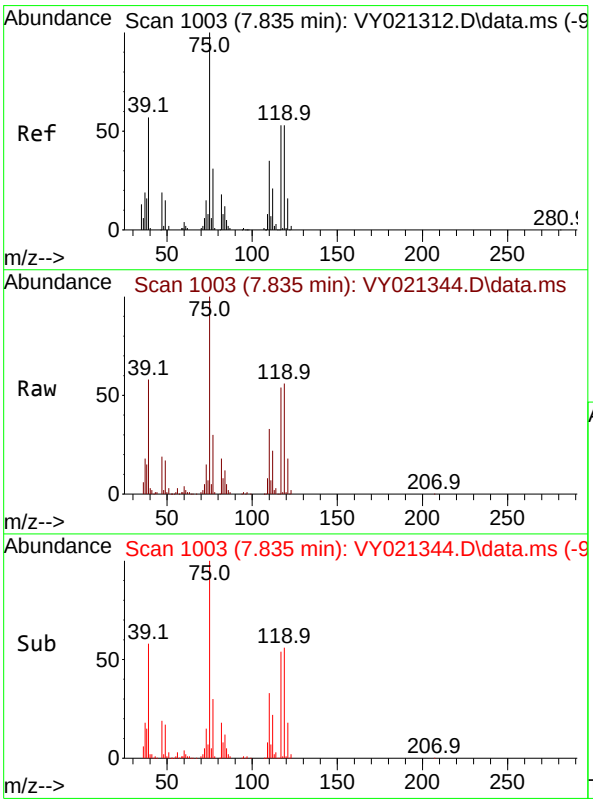
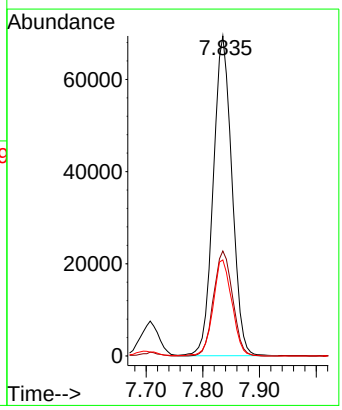
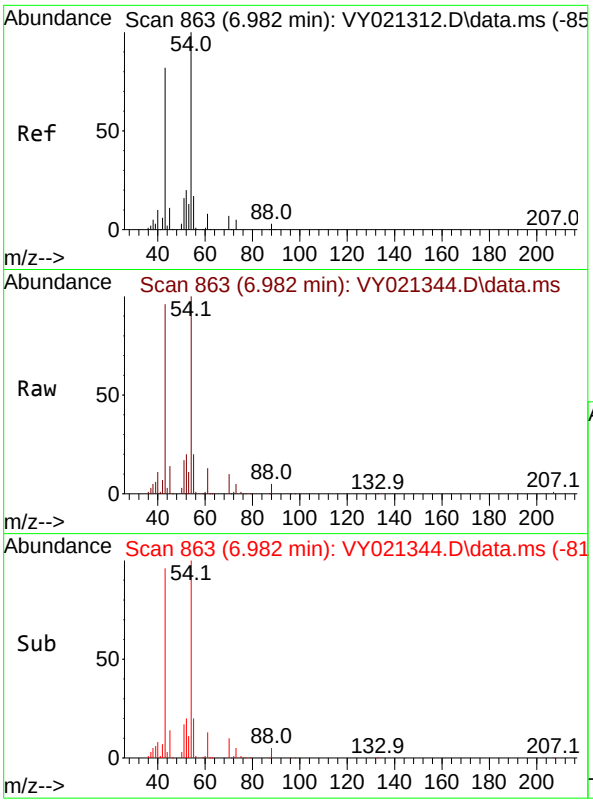


#36
1,1-Dichloropropene
Concen: 46.928 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 158713

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.3	24.6	36.8

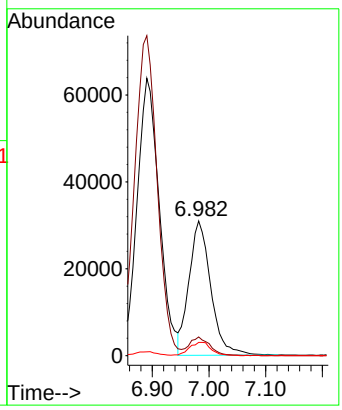




#37
Ethyl Acetate
Concen: 48.999 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 8243

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.0	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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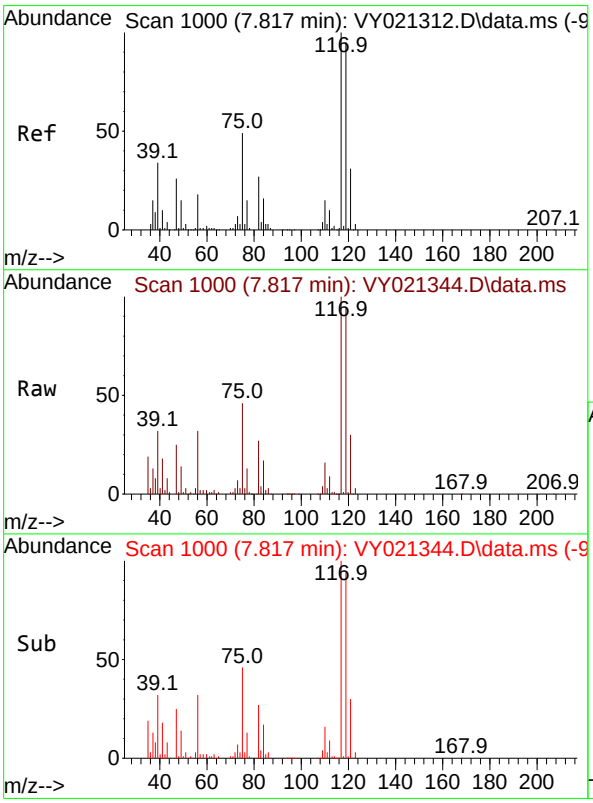
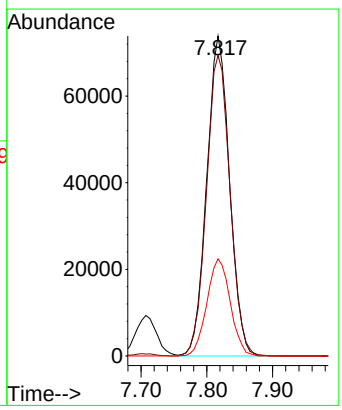
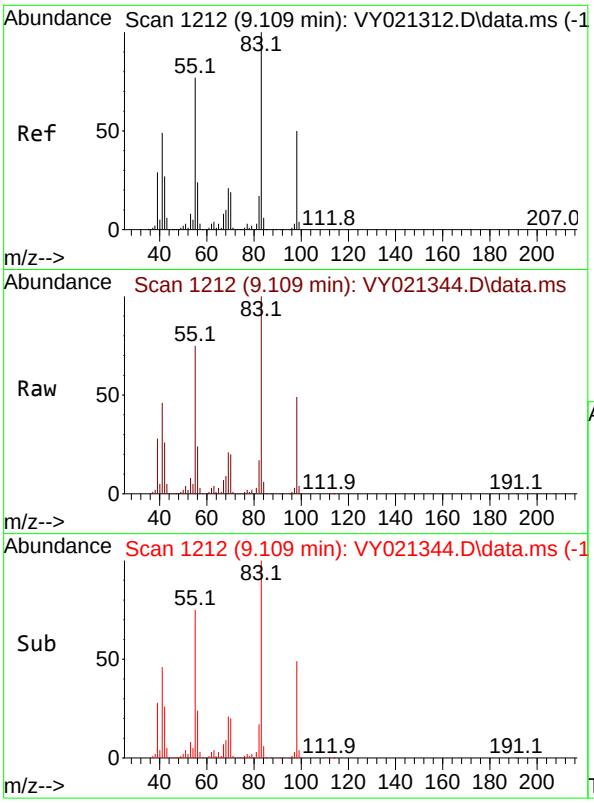


#38
Carbon Tetrachloride
Concen: 46.933 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 178448

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	30.4	24.9	37.3





#39
Methylcyclohexane
Concen: 44.707 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 19124

Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.3	91.9
98	49.0	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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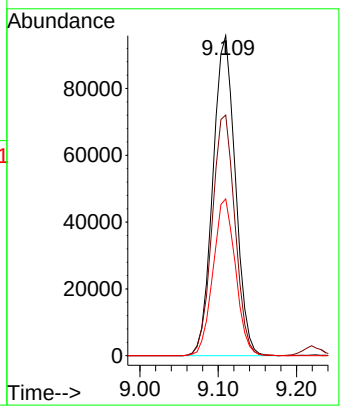
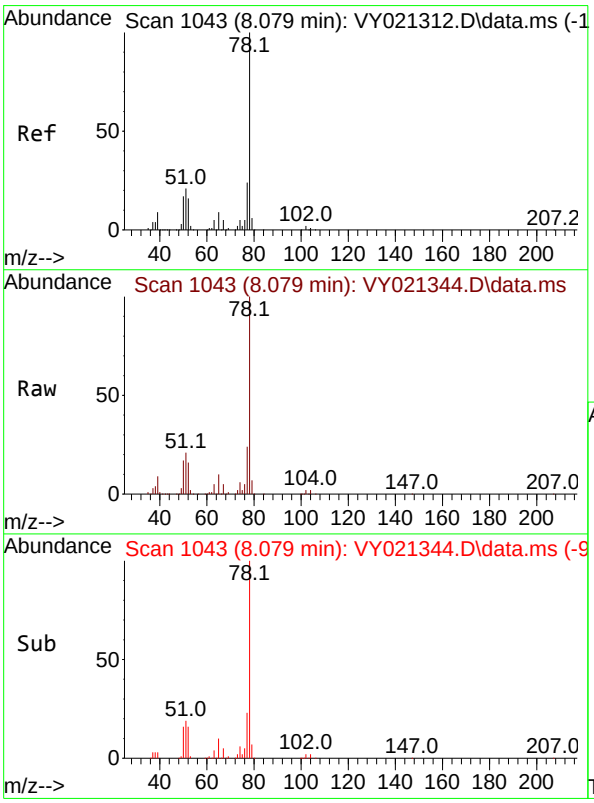
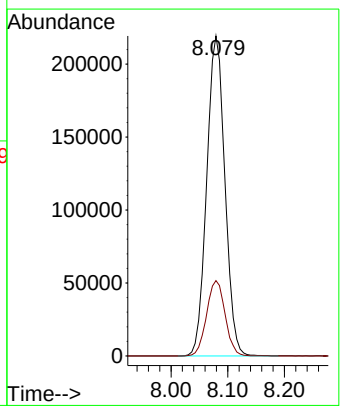


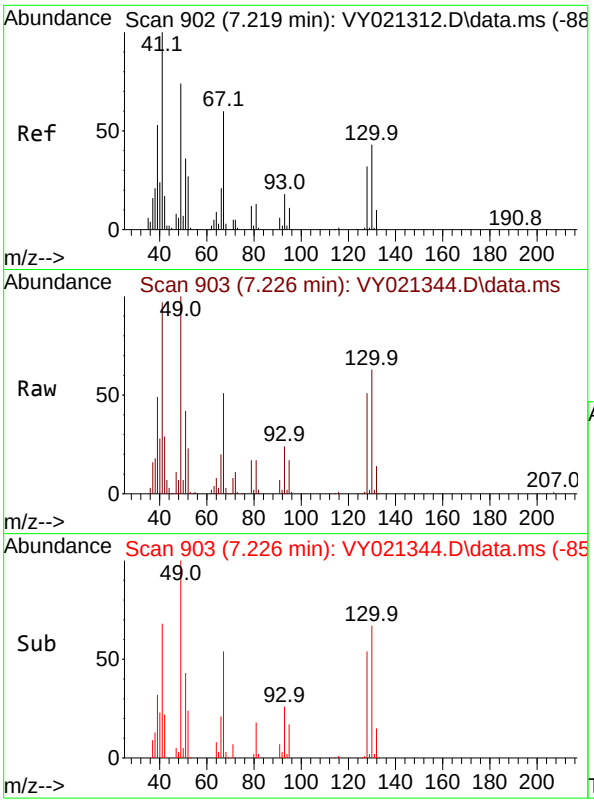


#40
Benzene
Concen: 48.823 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 78 Resp: 488113

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8

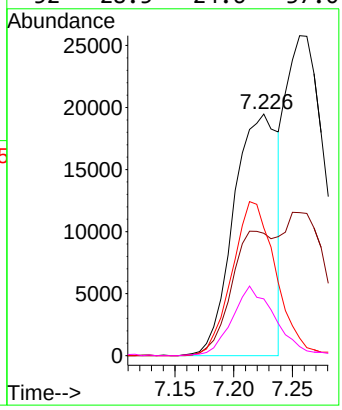




#41
Methacrylonitrile
Concen: 54.039 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 5083

Ion	Ratio	Lower	Upper
41	100		
39	46.4	42.3	63.5
67	63.7	54.8	82.2
52	28.5	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
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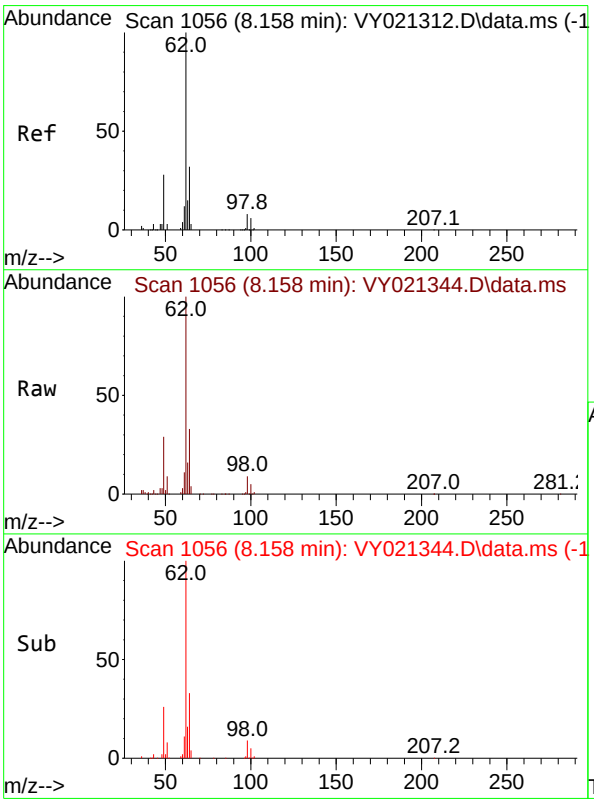
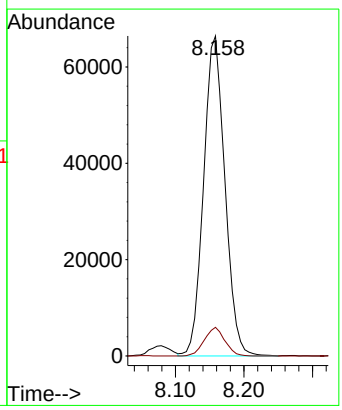
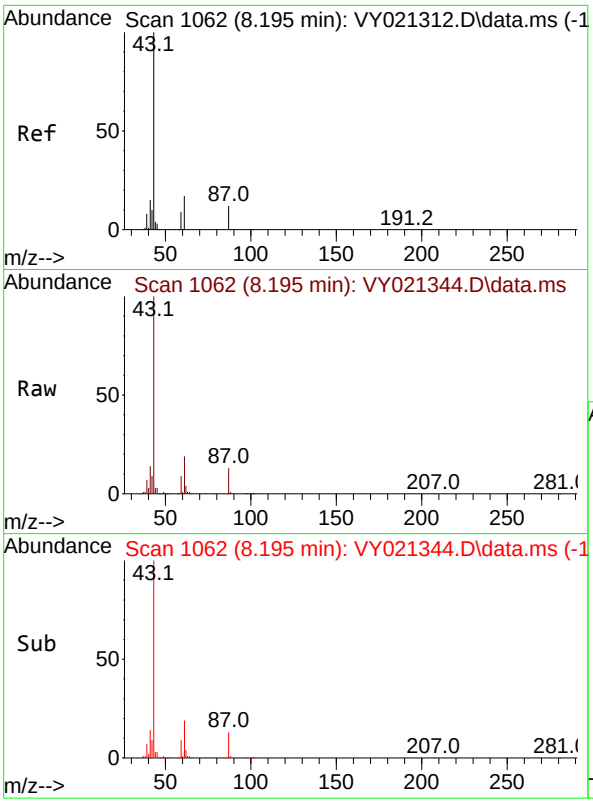


#42
1,2-Dichloroethane
Concen: 50.672 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 143731

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6

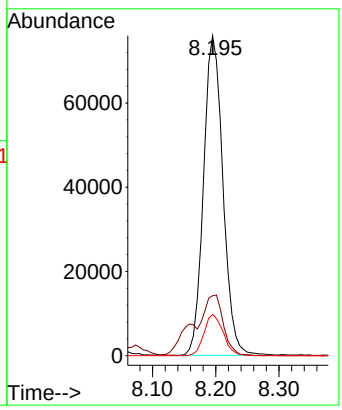




#43
Isopropyl Acetate
Concen: 49.861 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 16236

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.0	22.6
87	12.7	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
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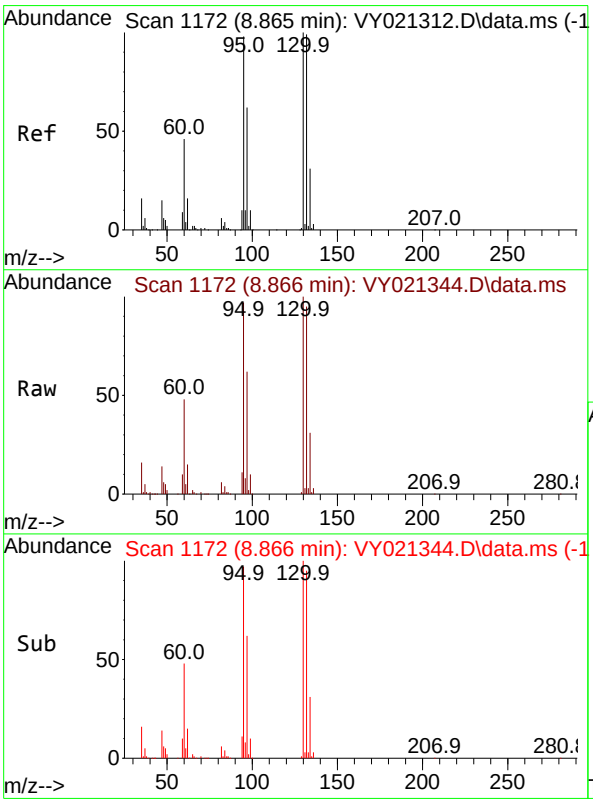
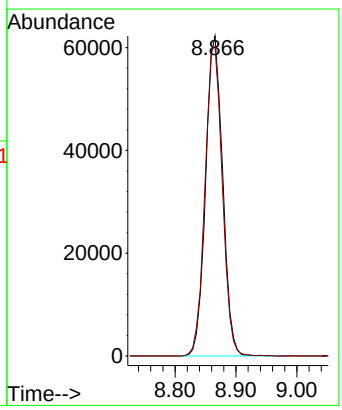
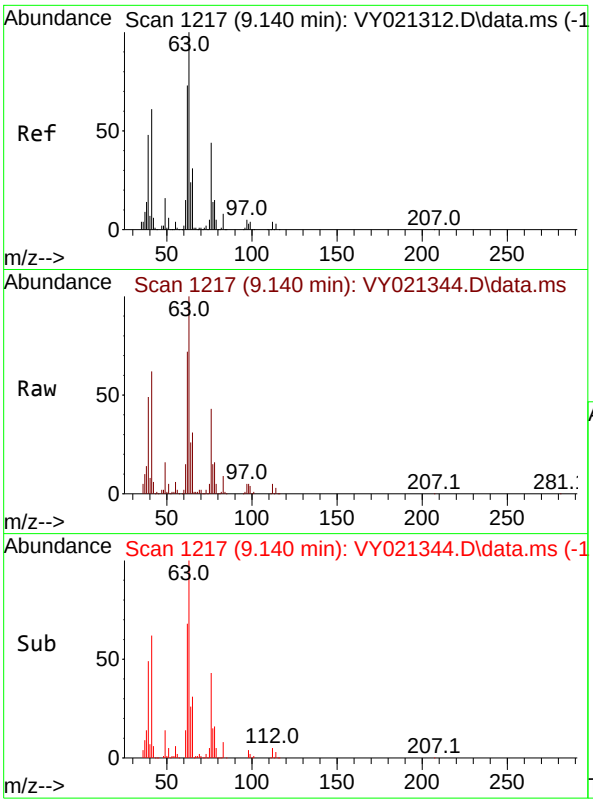


#44
Trichloroethene
Concen: 48.271 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:130 Resp: 120825

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0

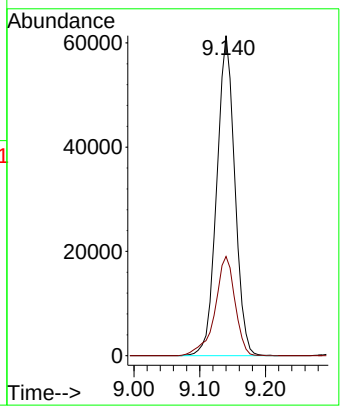




#45
1,2-Dichloropropane
Concen: 48.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 11725

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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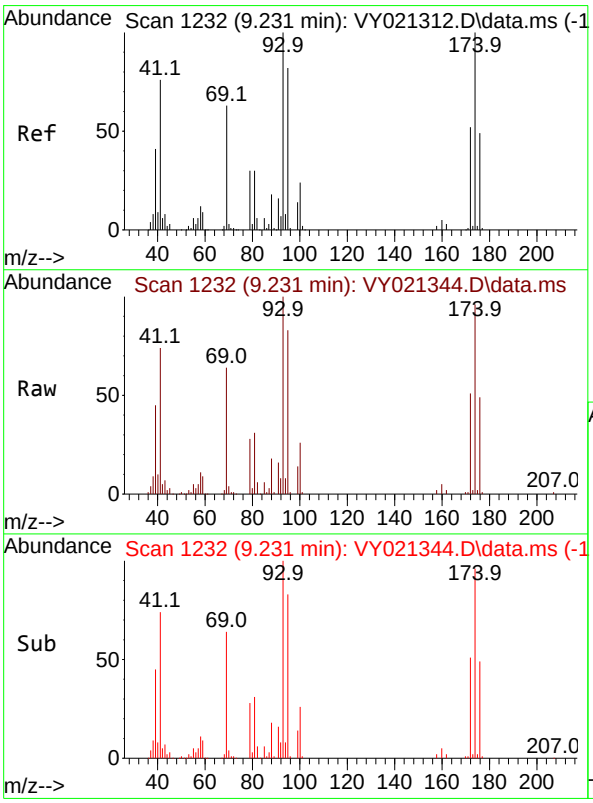
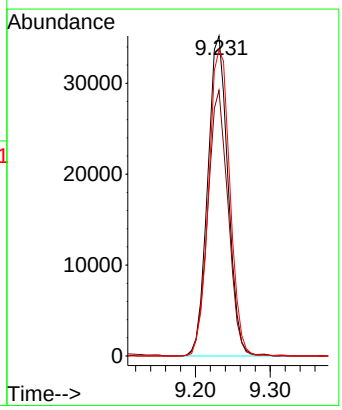
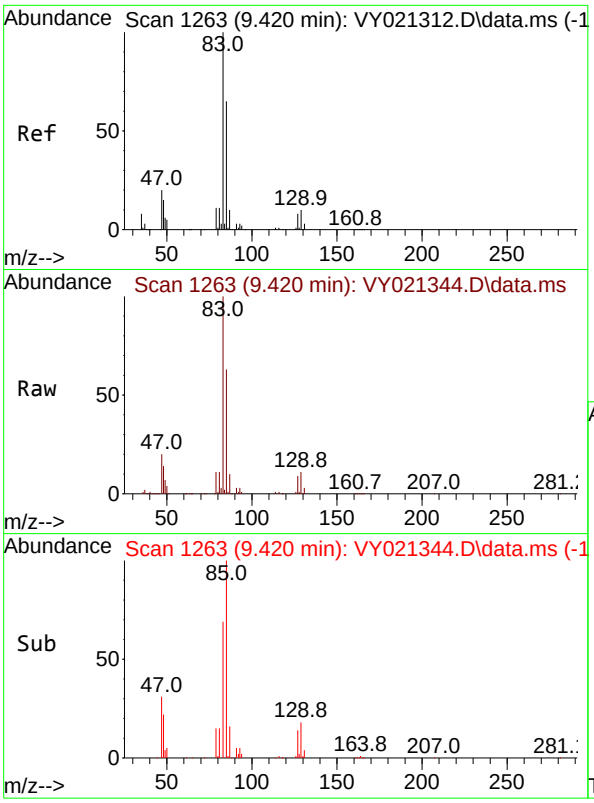


#46
Dibromomethane
Concen: 50.499 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 93 Resp: 66414

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	100.3	78.2	117.2

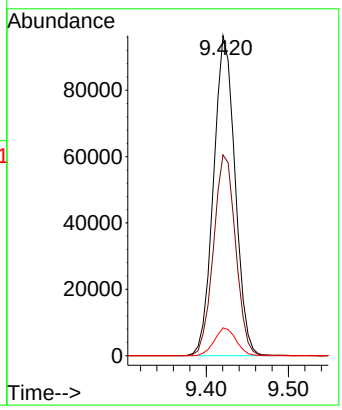




#47
Bromodichloromethane
Concen: 50.086 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 17563

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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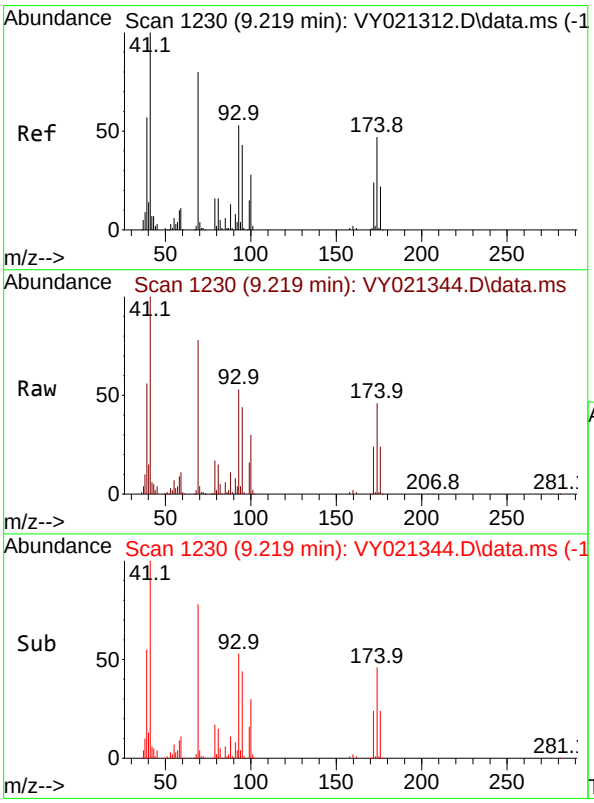
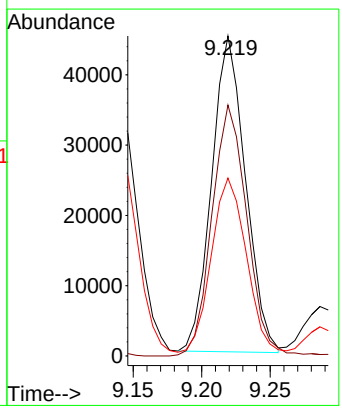
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

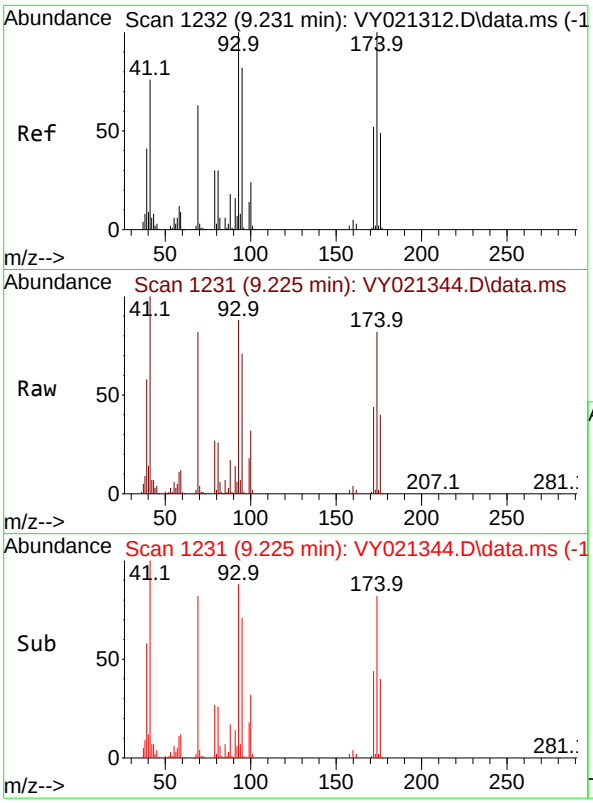


#48
Methyl methacrylate
Concen: 50.619 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 77080

Ion	Ratio	Lower	Upper
41	100		
69	82.7	63.3	94.9
39	57.1	45.0	67.6





#49
1,4-Dioxane
Concen: 1015.844 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 88 Resp: 1485

Ion	Ratio	Lower	Upper
88	100		
43	34.7	34.8	52.2
58	72.1	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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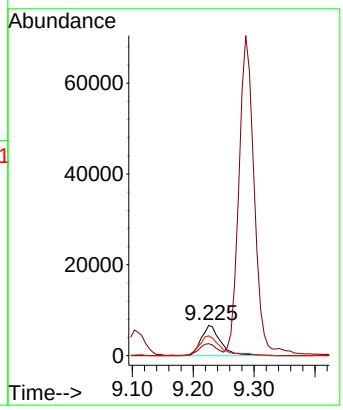
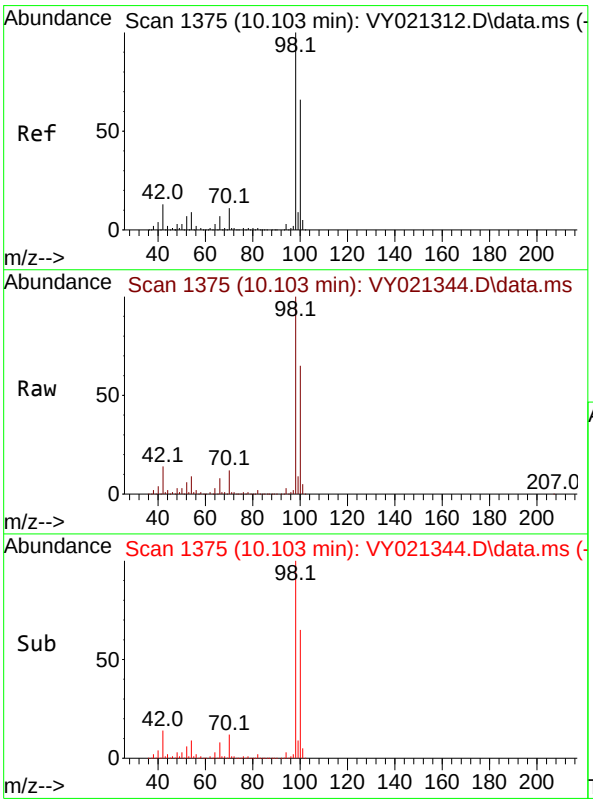
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

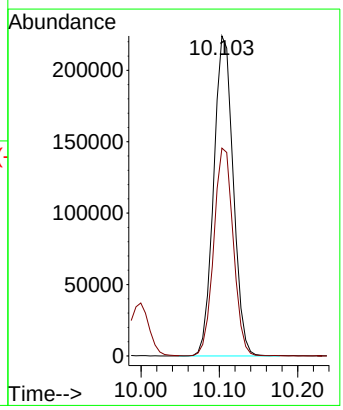


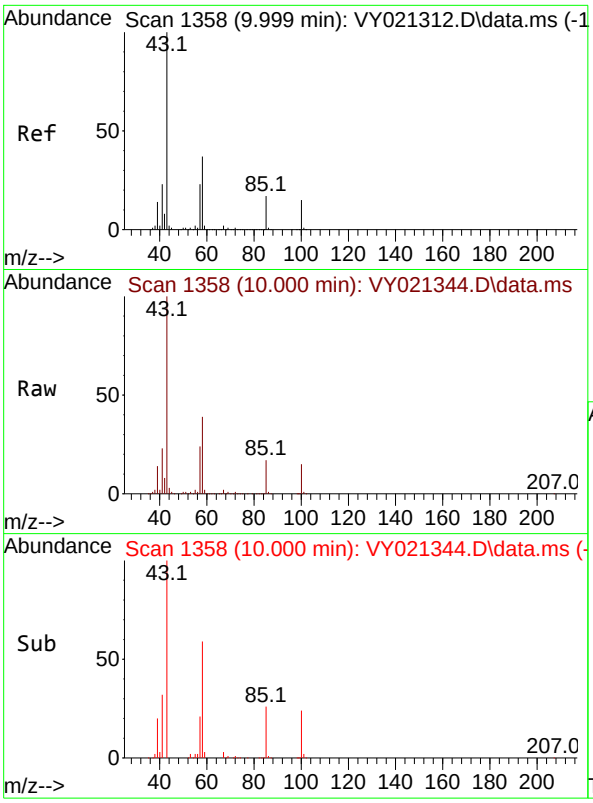


#50
Toluene-d8
Concen: 44.650 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 98 Resp: 388525

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

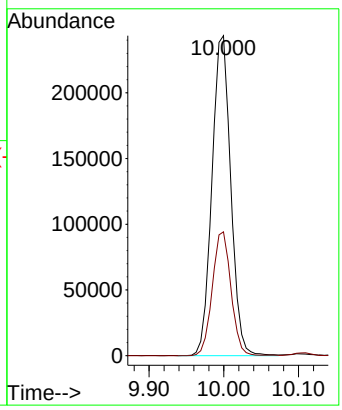




#51
4-Methyl-2-Pentanone
Concen: 254.988 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 42503

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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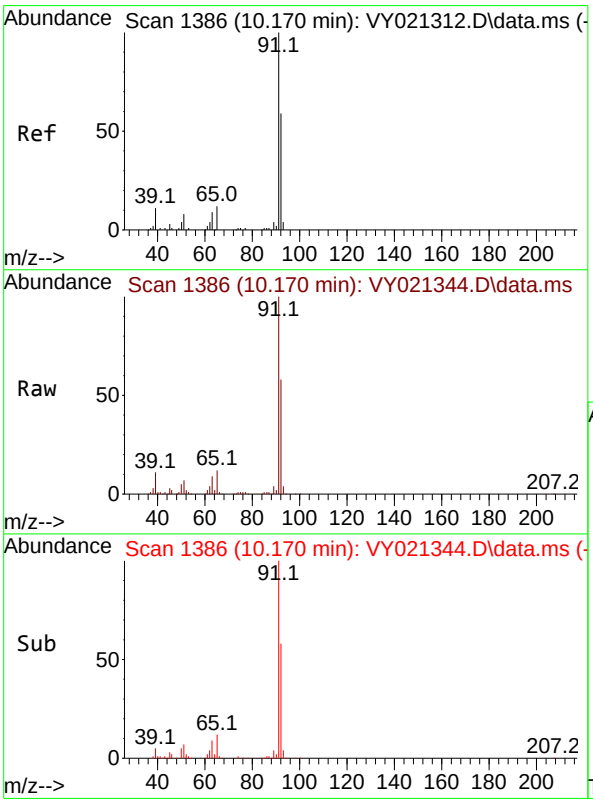
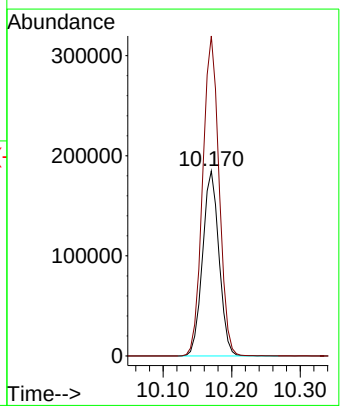
Supervised By :Mahesh Dadoda 02/27/2025

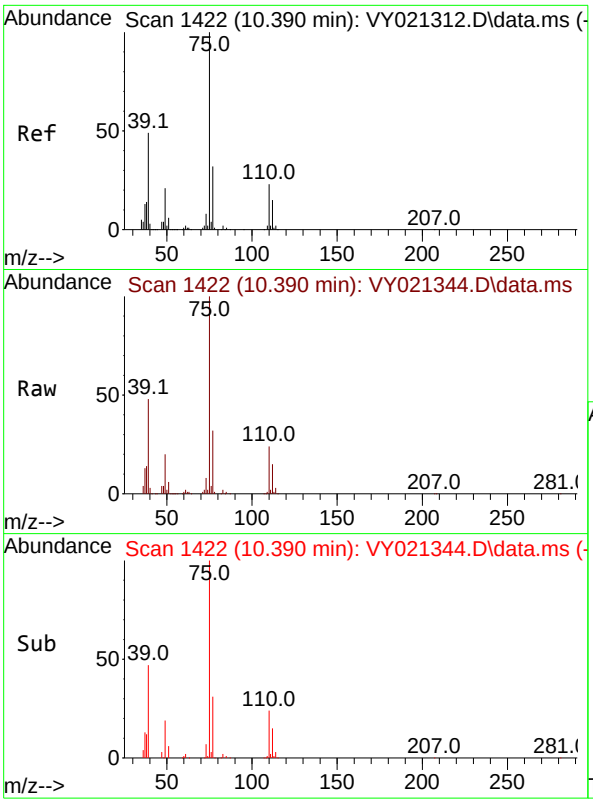


#52
Toluene
Concen: 49.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 92 Resp: 307967

Ion	Ratio	Lower	Upper
92	100		
91	173.1	137.8	206.8

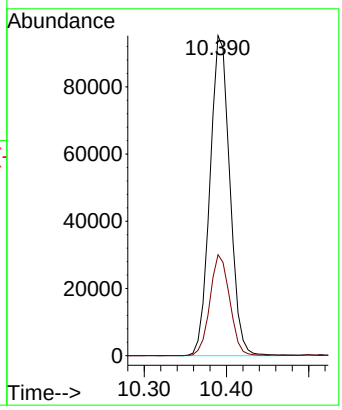




#53
t-1,3-Dichloropropene
Concen: 49.701 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15967

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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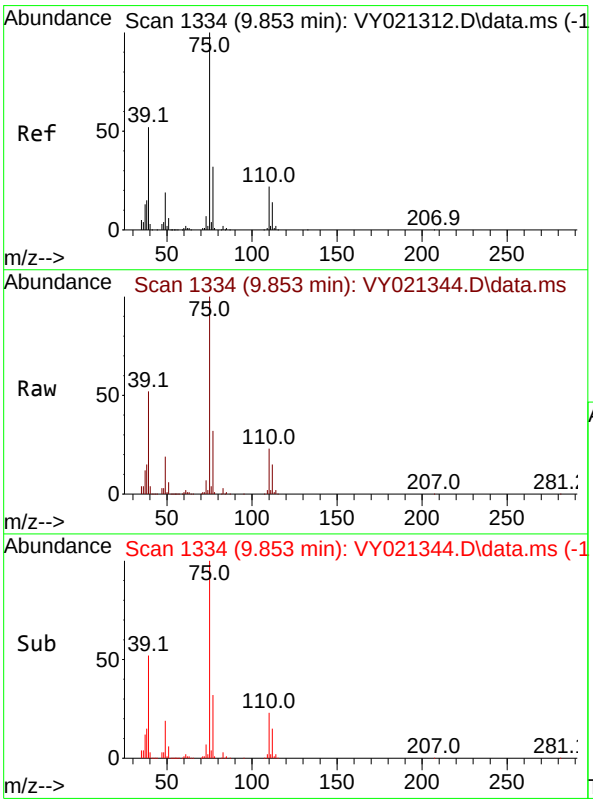
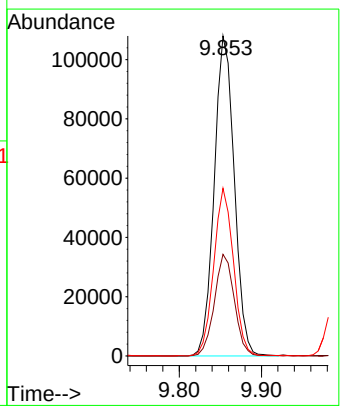
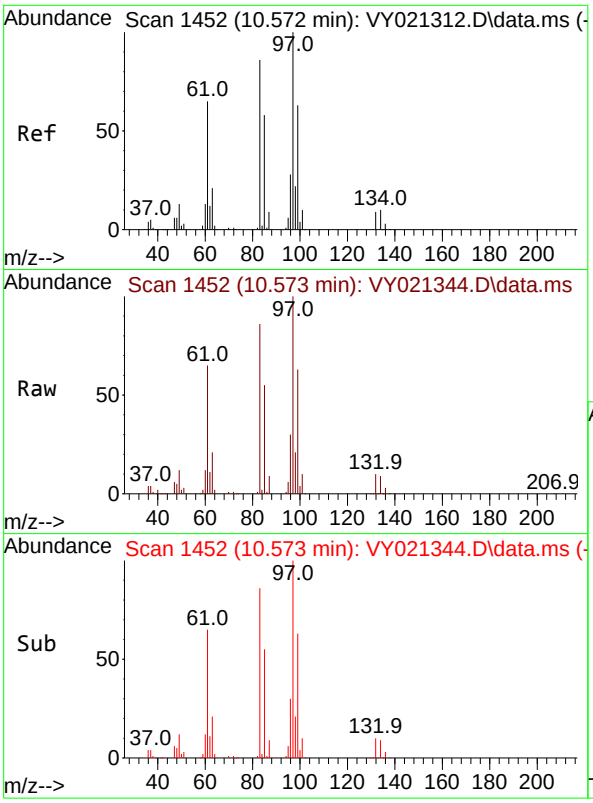


#54
cis-1,3-Dichloropropene
Concen: 48.340 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 183344

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.3	41.8	62.6

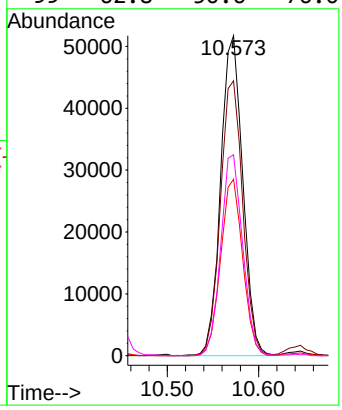




#55
1,1,2-Trichloroethane
Concen: 50.858 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 8713

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	55.1	46.3	69.5
99	62.8	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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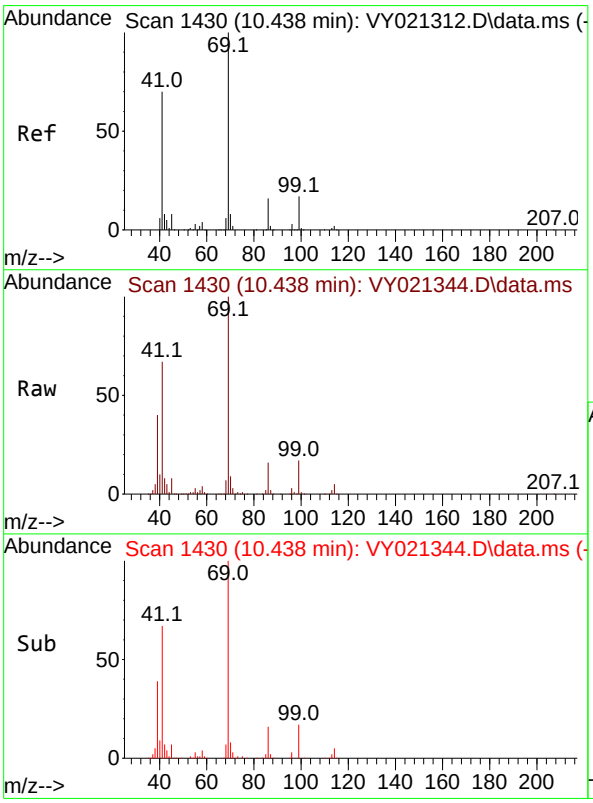
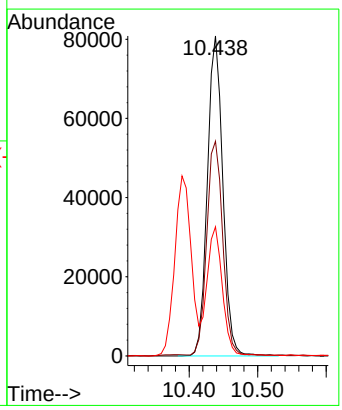
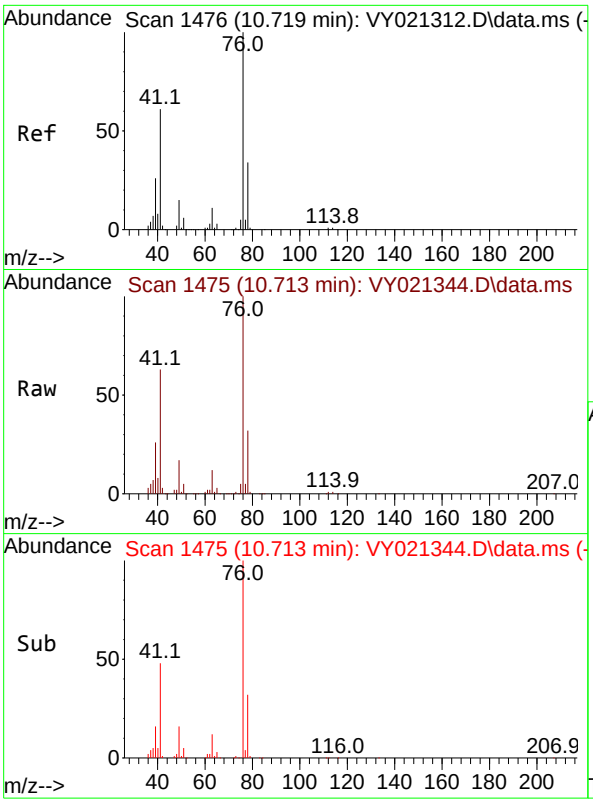


#56
Ethyl methacrylate
Concen: 53.738 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 69 Resp: 127215

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.4
39	40.0	32.7	49.1

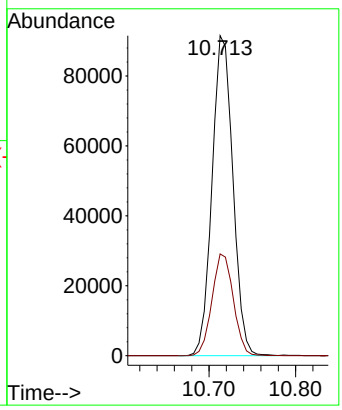




#57
1,3-Dichloropropane
Concen: 50.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 76 Resp: 15278

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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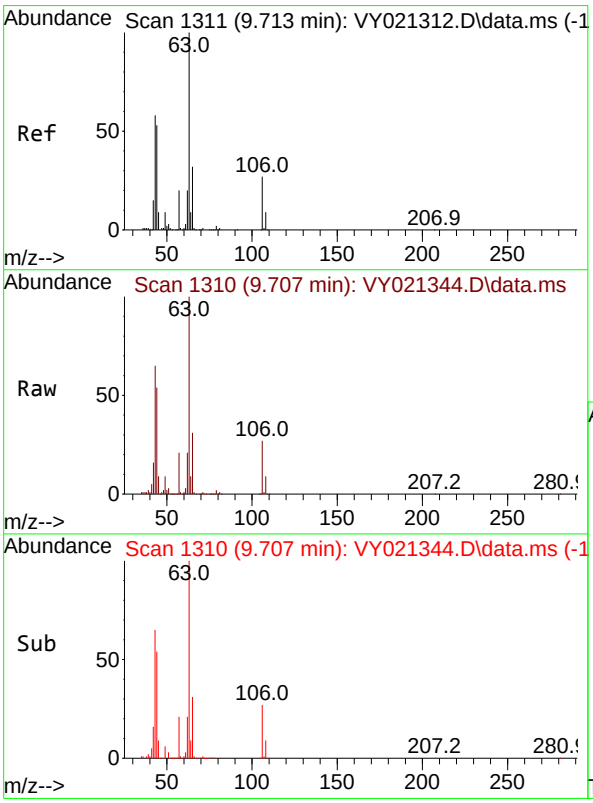
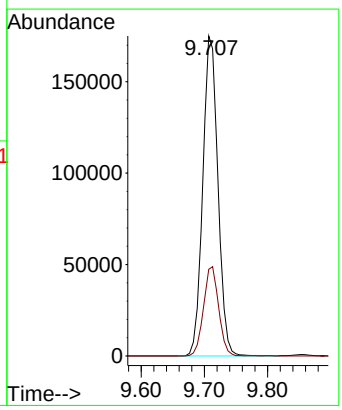
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

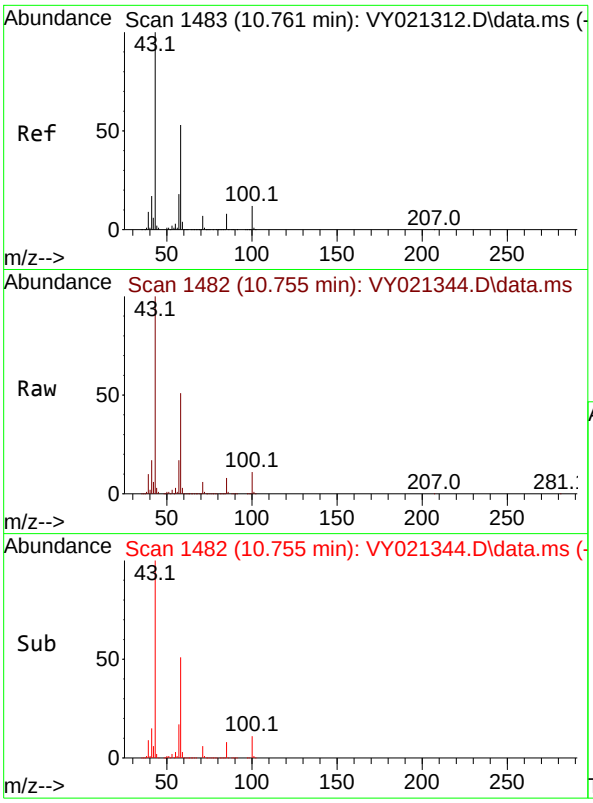


#58
2-Chloroethyl Vinyl ether
Concen: 257.068 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 292101

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.7	32.5





#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 28513

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Romaben Patel 02/27/2025
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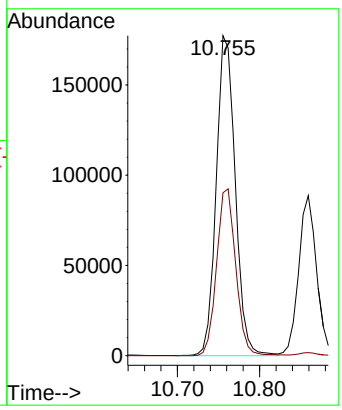
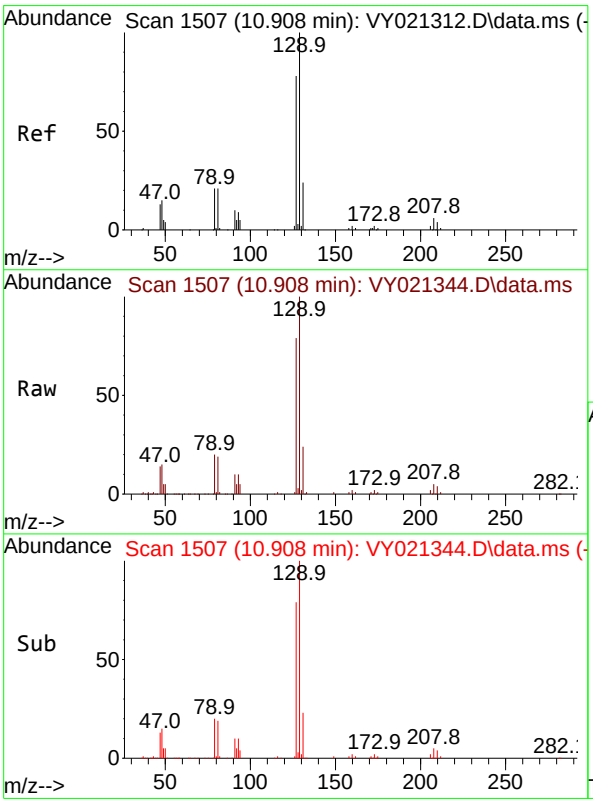
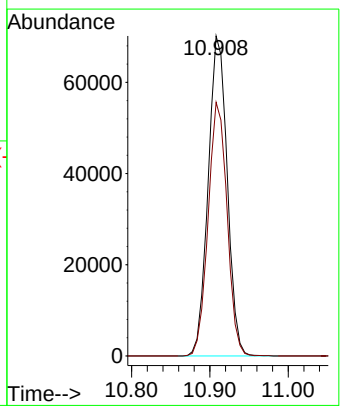


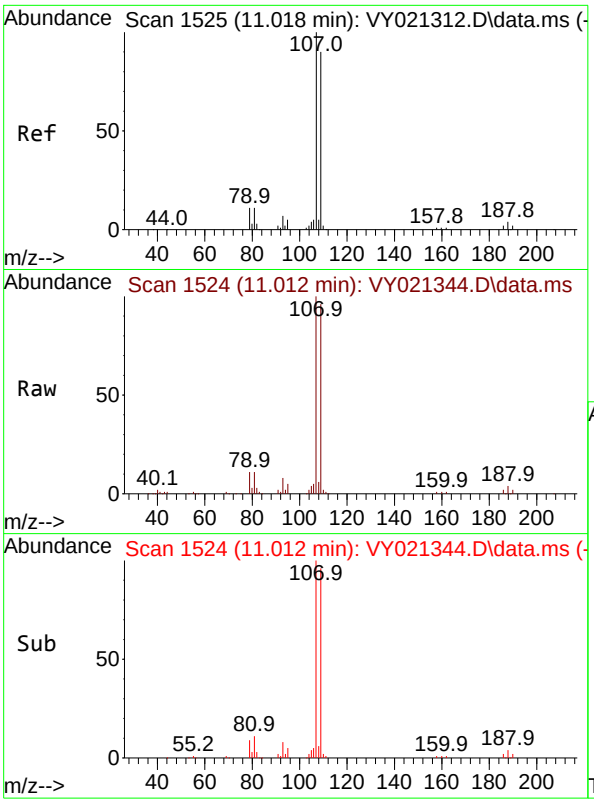


#60
Dibromochloromethane
Concen: 50.788 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:129 Resp: 118508

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.8	116.4





#61
1,2-Dibromoethane
Concen: 50.586 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:107 Resp: 8205

Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/27/2025
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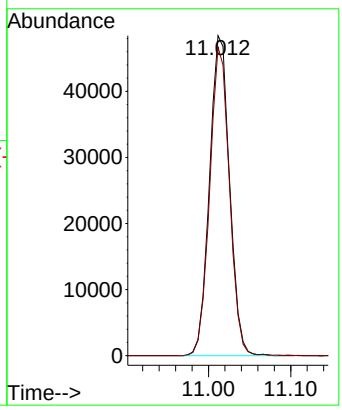
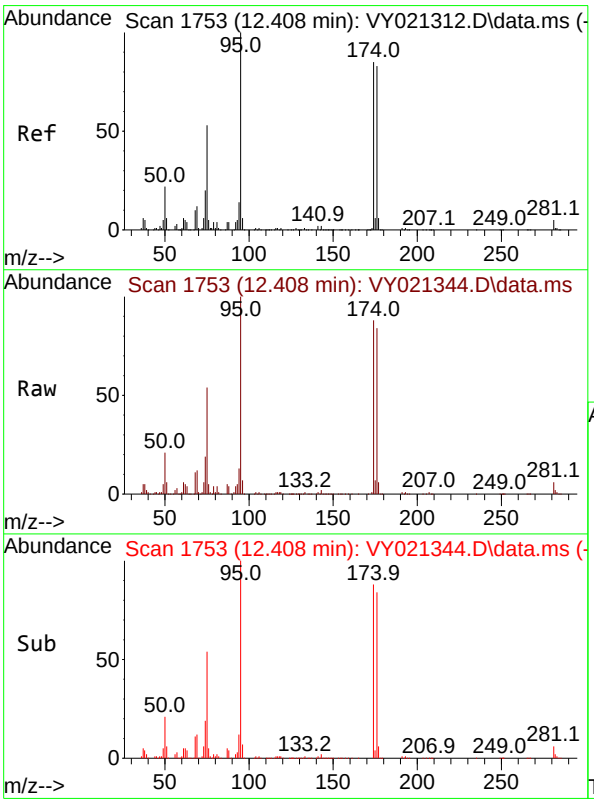
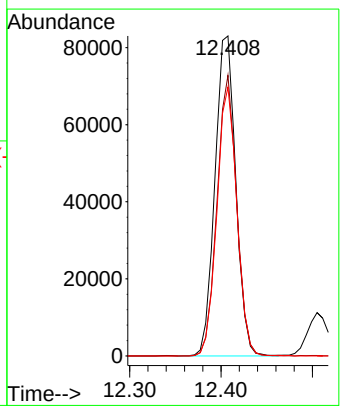


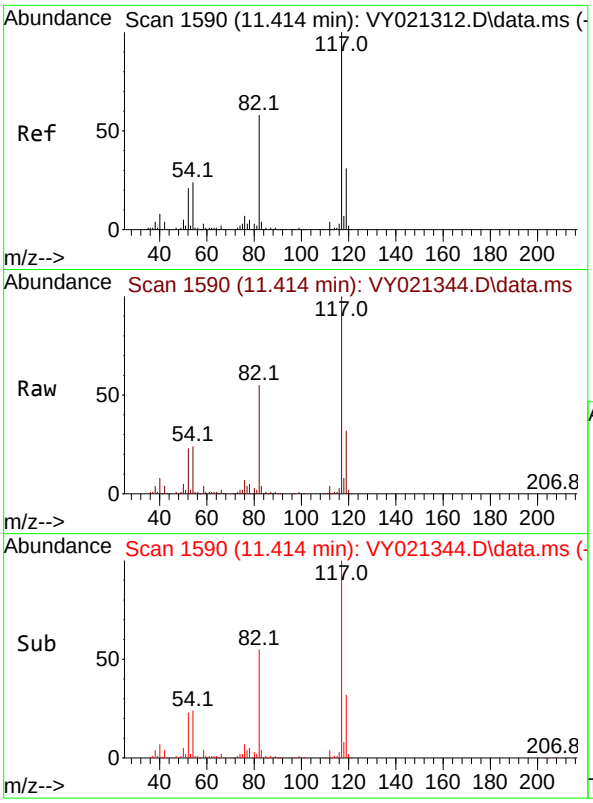


#62
4-Bromofluorobenzene
Concen: 44.933 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 95 Resp: 131584

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	168.0
176	80.5	0.0	162.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 30596

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.2	69.4
119	32.0	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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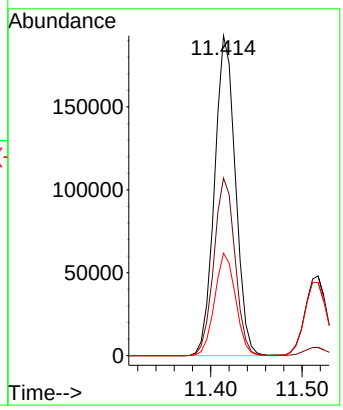
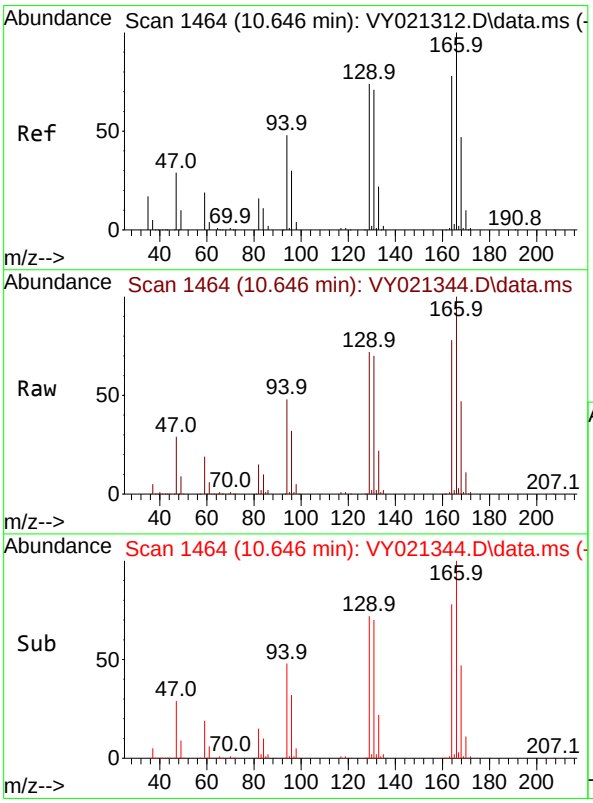
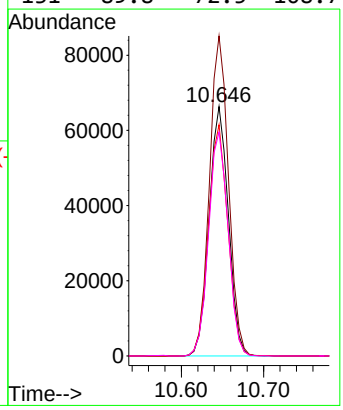


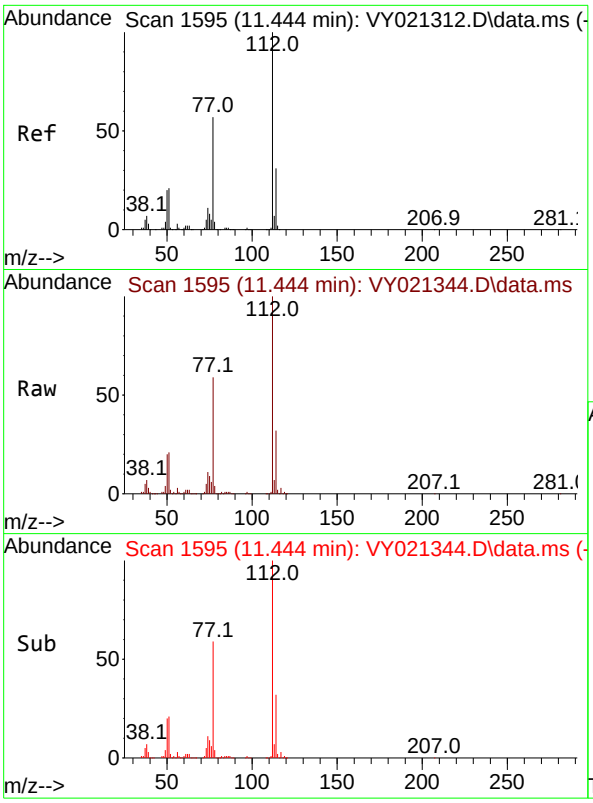


#64
Tetrachloroethene
Concen: 46.783 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:164 Resp: 108193

Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	92.7	75.5	113.3
131	89.8	72.5	108.7

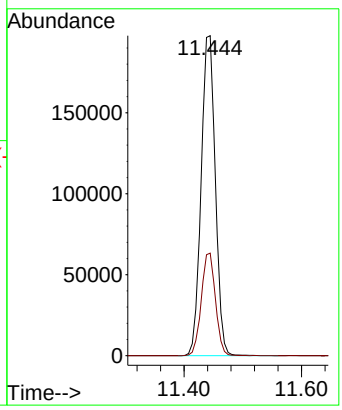




#65
Chlorobenzene
Concen: 48.330 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:112 Resp: 33193

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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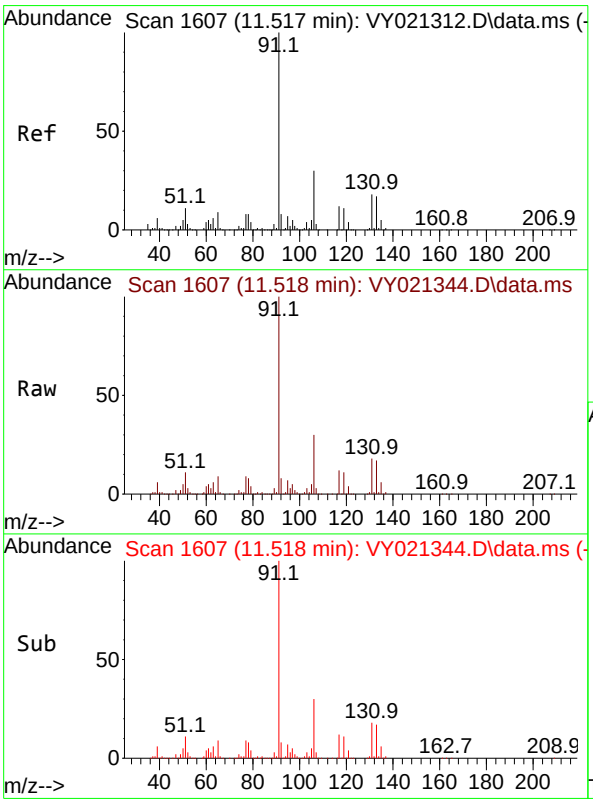
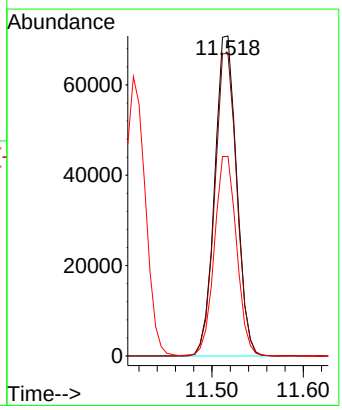
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

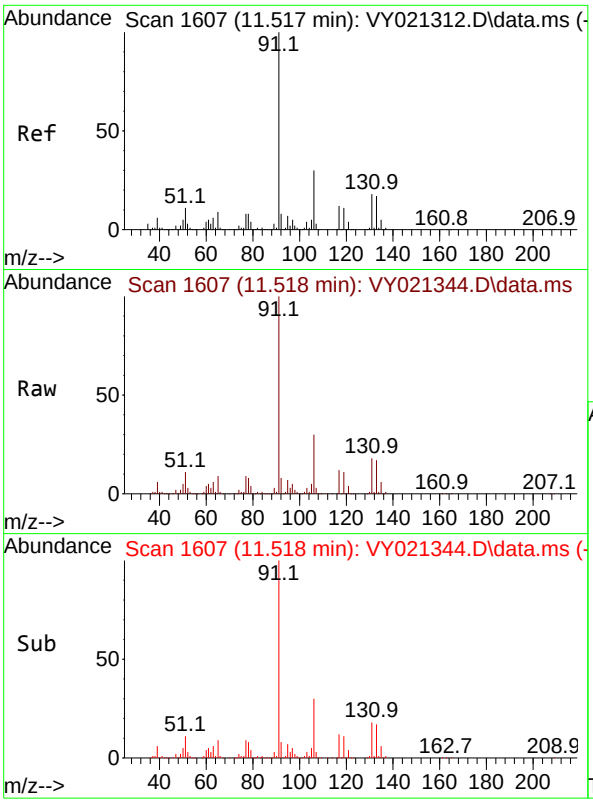


#66
1,1,1,2-Tetrachloroethane
Concen: 49.313 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:131 Resp: 118595

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.6
119	63.2	31.7	95.1

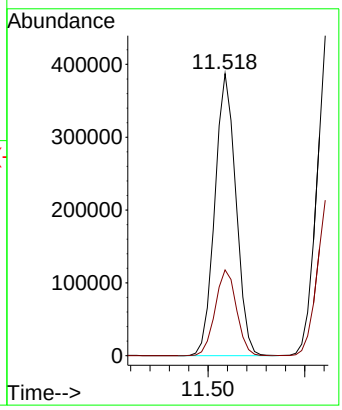




#67
Ethyl Benzene
Concen: 48.106 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 58523

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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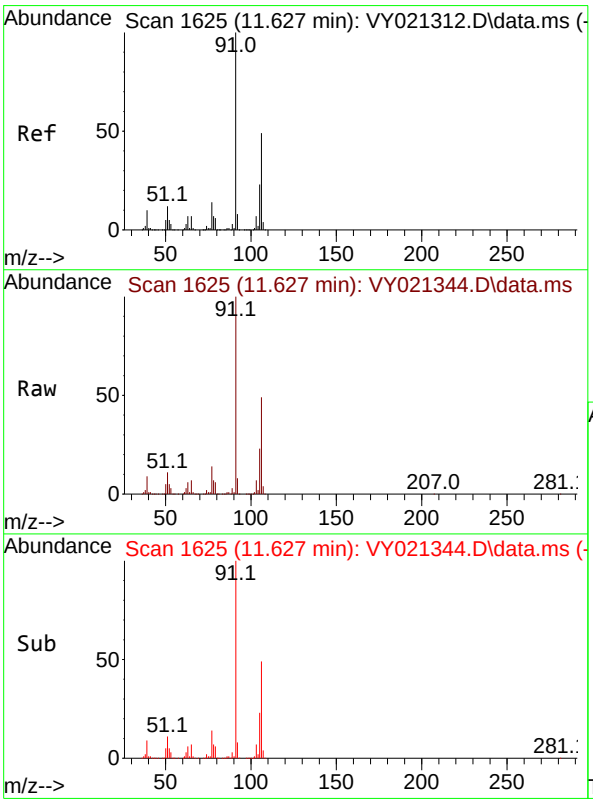
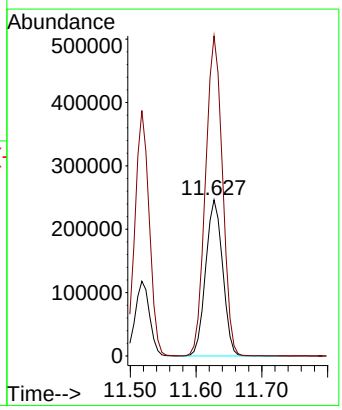
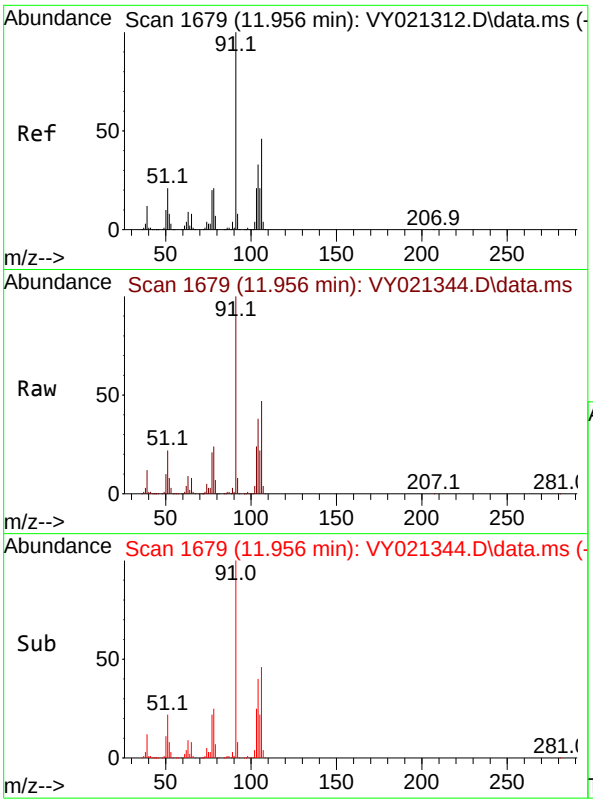


#68
m/p-Xylenes
Concen: 96.556 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 441830

Ion	Ratio	Lower	Upper
106	100		
91	205.2	163.9	245.9





#69
o-Xylene
Concen: 49.544 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 21238

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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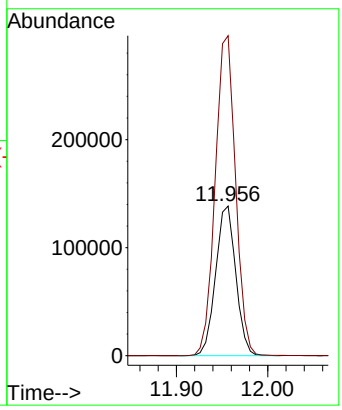
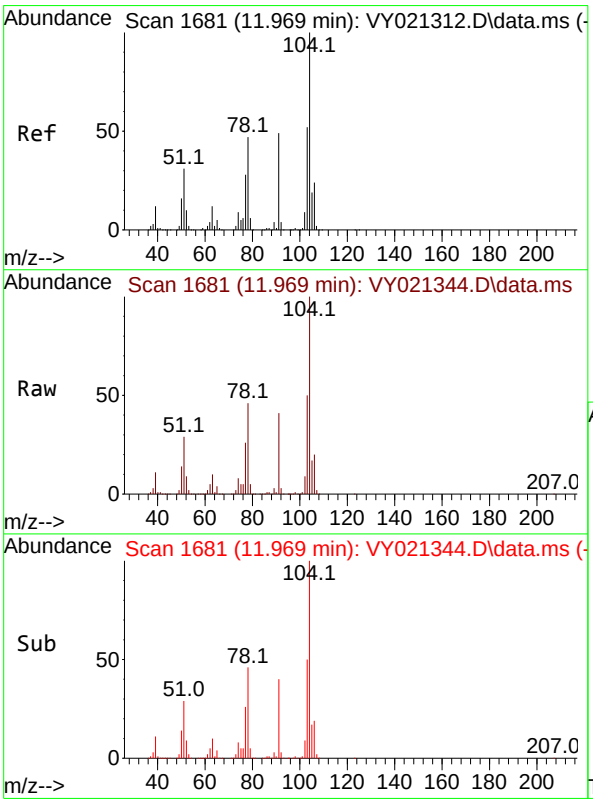
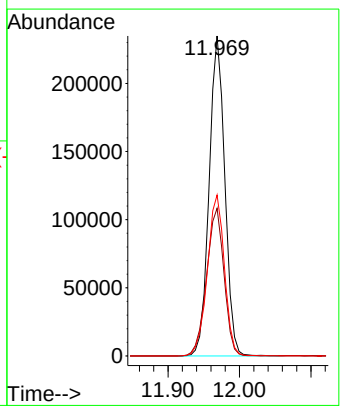


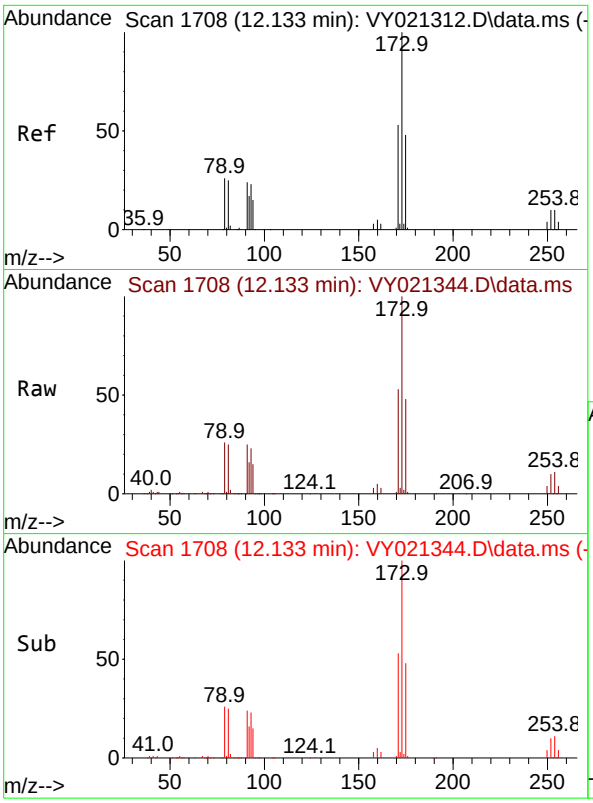


#70
Styrene
Concen: 50.170 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:104 Resp: 357830

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.3	61.9
103	54.8	43.9	65.9





#71
Bromoform
Concen: 50.071 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:173 Resp: 6888

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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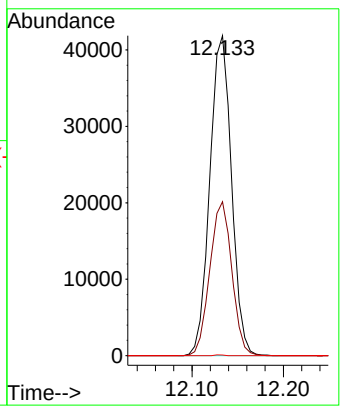
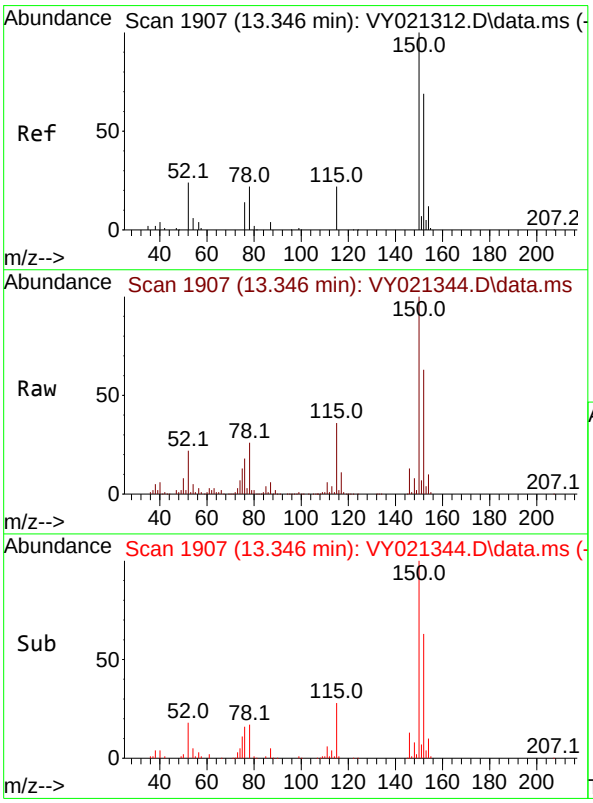
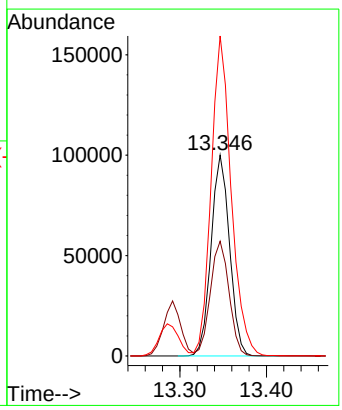


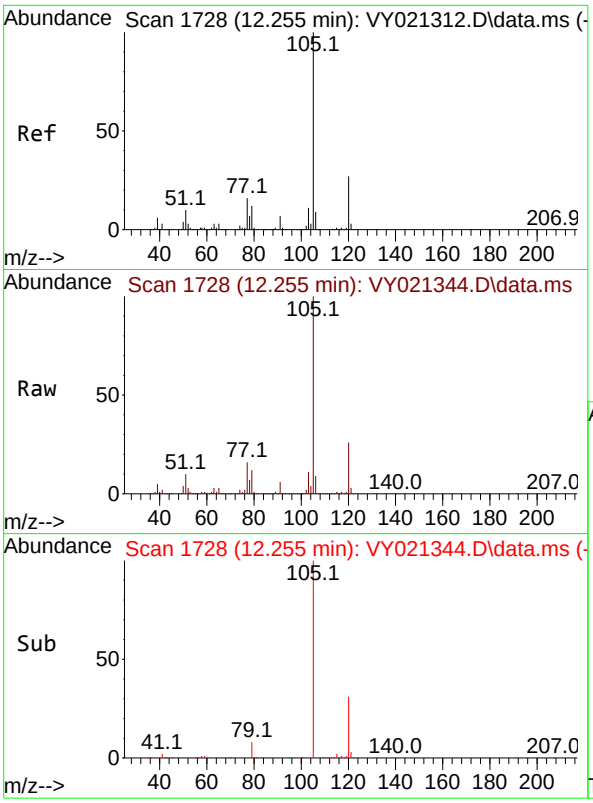


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:152 Resp: 148168

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	173.1	0.0	347.4

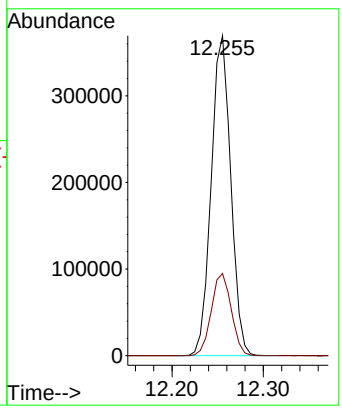




#73
Isopropylbenzene
Concen: 49.240 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 54849

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8



Instrument :
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ClientSampleId :
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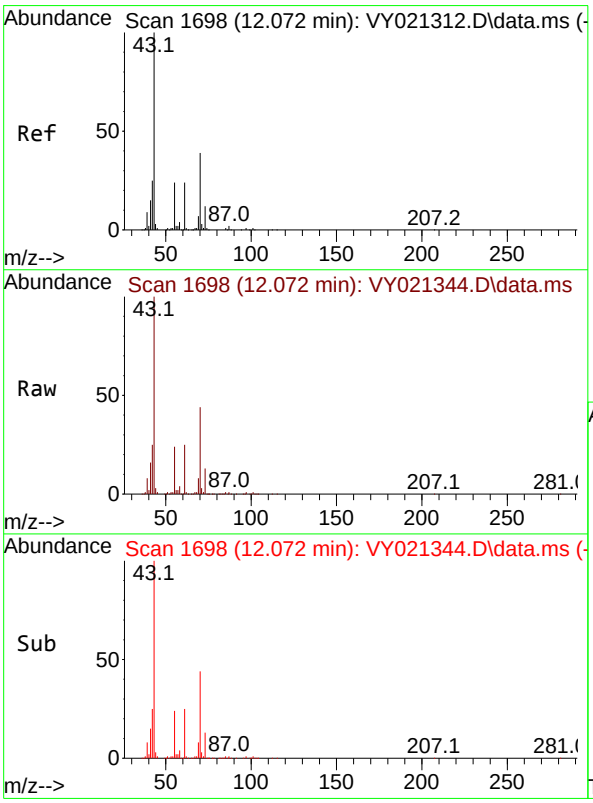
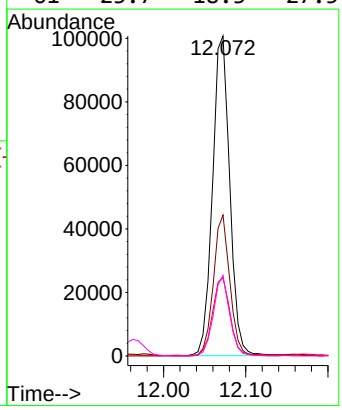
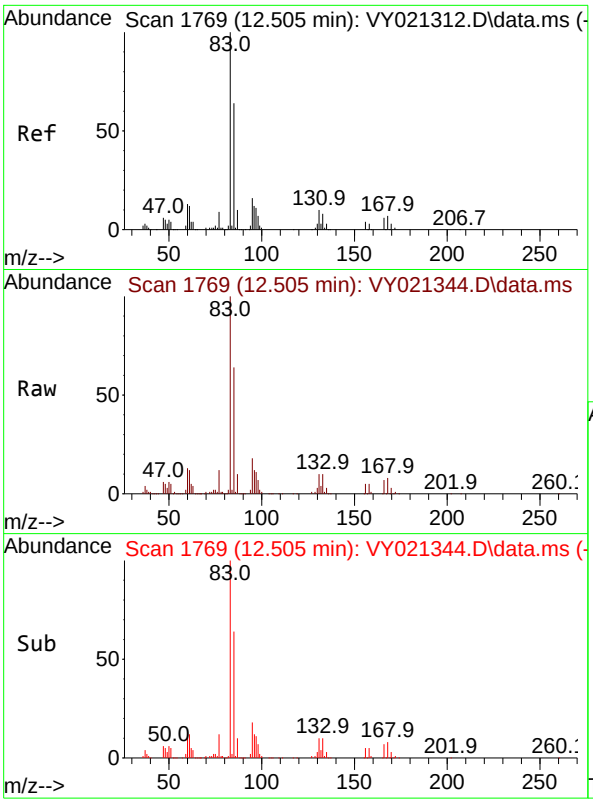


#74
N-amyl acetate
Concen: 51.825 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 146735

Ion	Ratio	Lower	Upper
43	100		
70	42.1	32.2	48.2
55	24.8	19.6	29.4
61	23.7	18.3	27.5

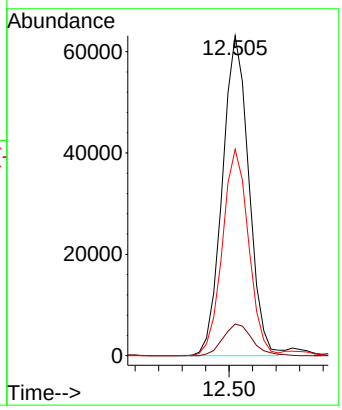




#75
1,1,2,2-Tetrachloroethane
Concen: 50.176 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 9864

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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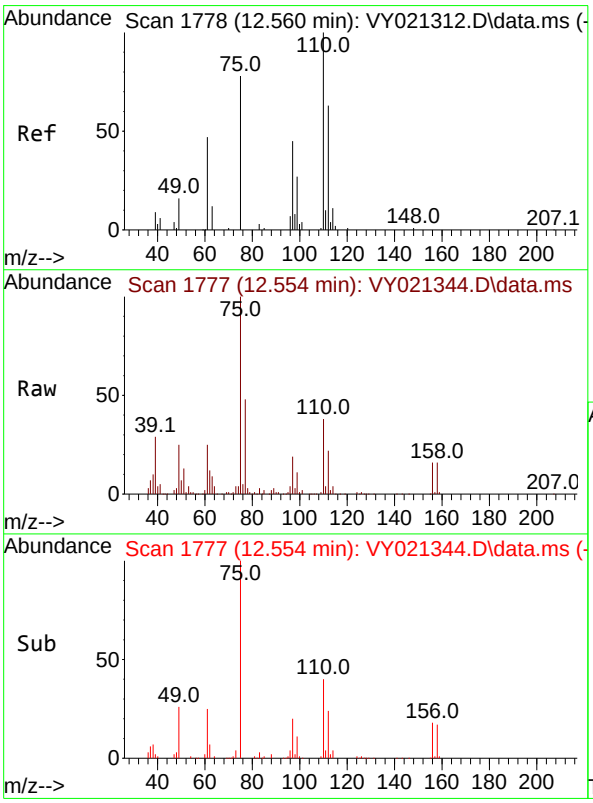
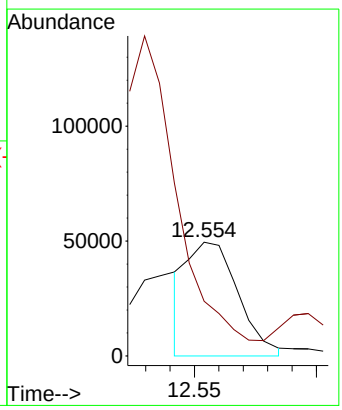
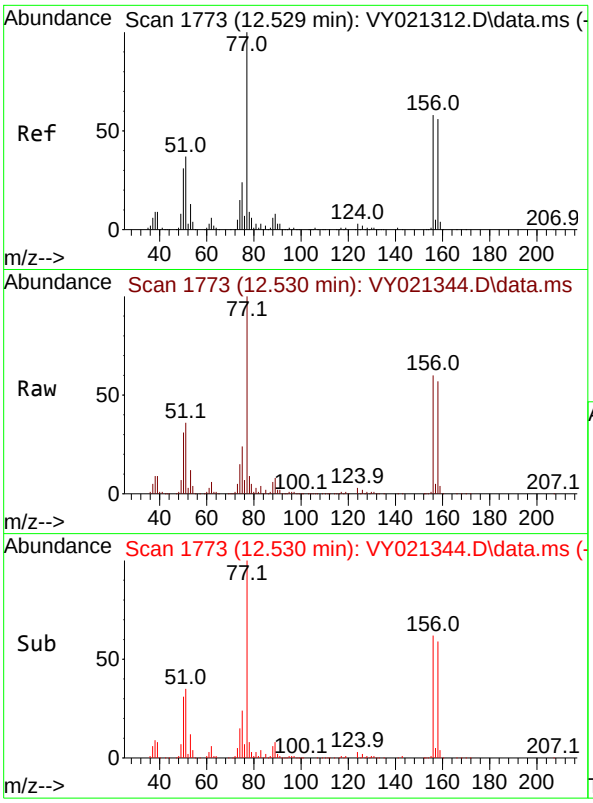


#76
1,2,3-Trichloropropane
Concen: 48.754 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 72307

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

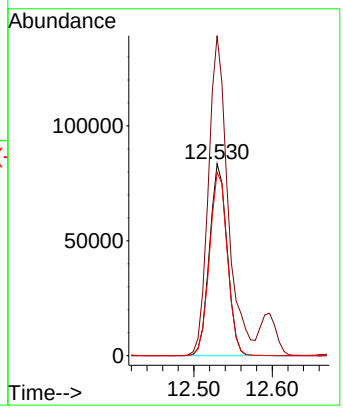




#77
Bromobenzene
Concen: 50.469 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:156 Resp: 13076

Ion	Ratio	Lower	Upper
156	100		
77	184.7	94.0	282.1
158	96.6	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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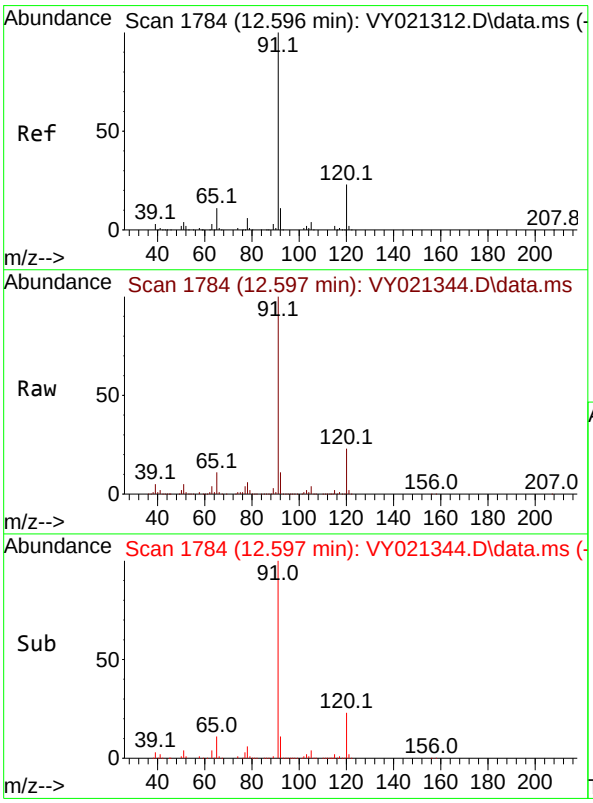
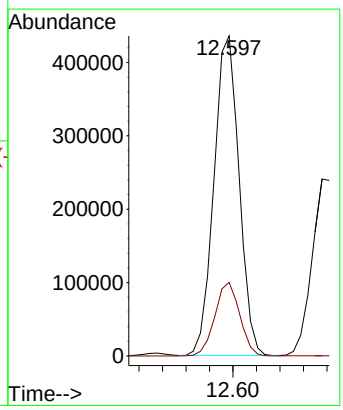
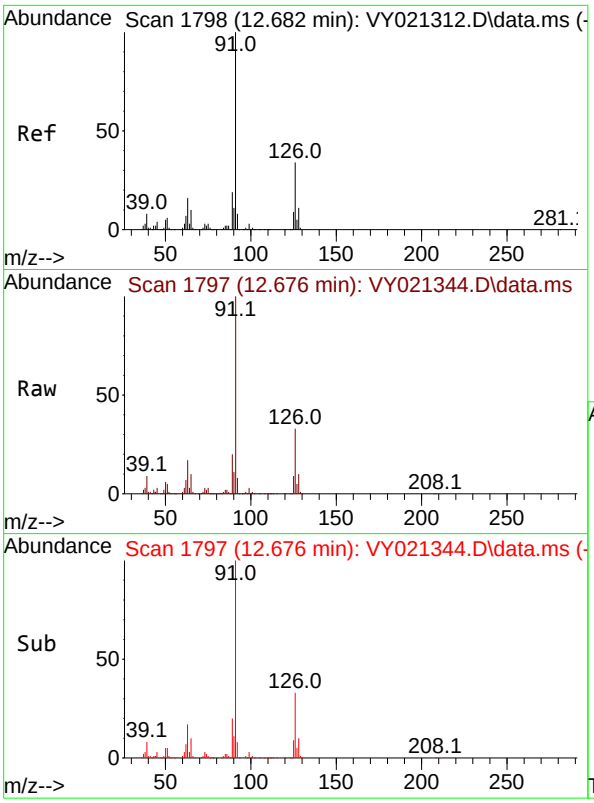


#78
n-propylbenzene
Concen: 47.897 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 647434

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





#79
2-Chlorotoluene
Concen: 49.187 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 38156

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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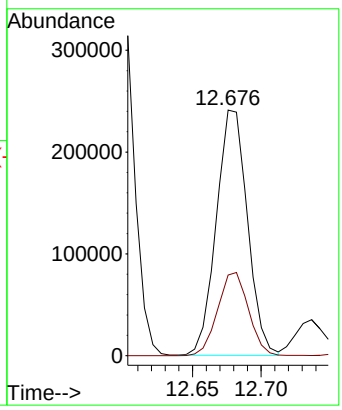
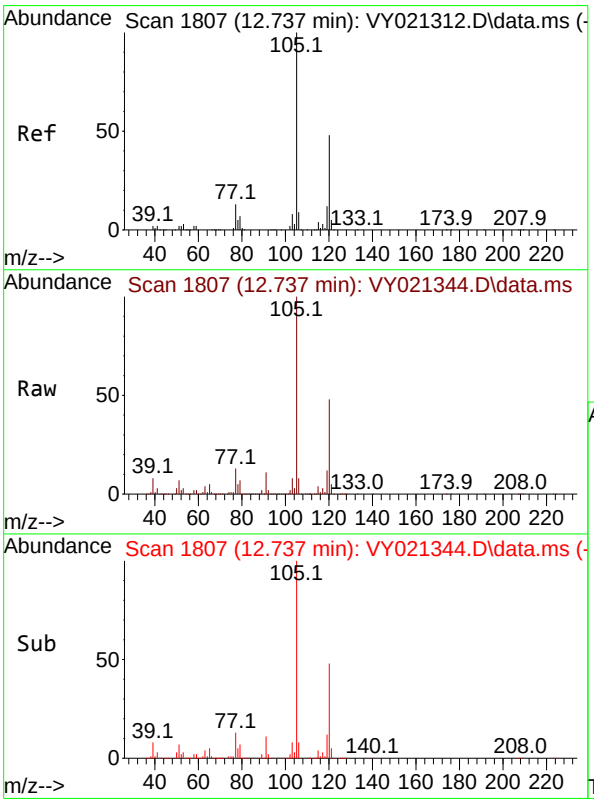
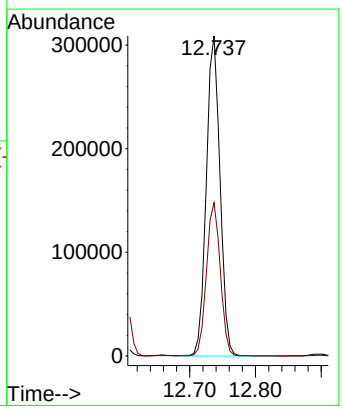


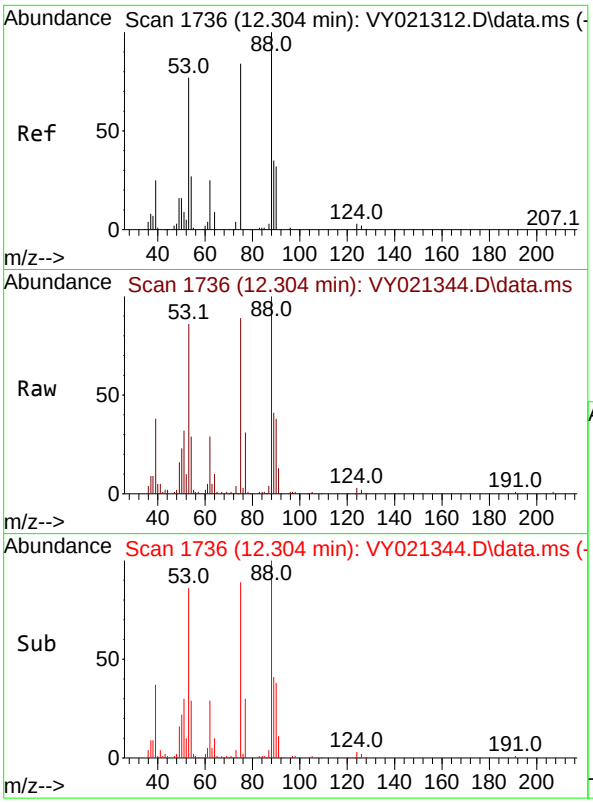


#80
1,3,5-Trimethylbenzene
Concen: 49.048 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 448101

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 47.460 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 3166

Ion	Ratio	Lower	Upper
75	100		
53	95.9	79.1	118.7
89	46.7	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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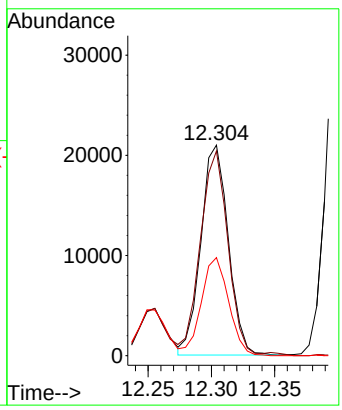
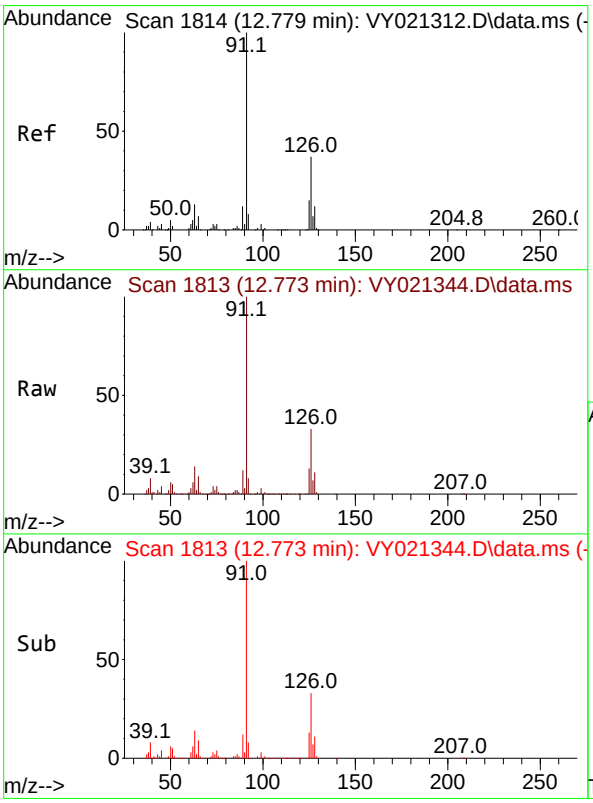
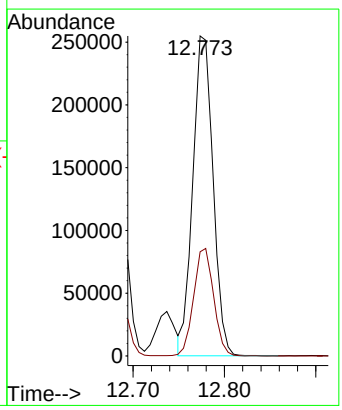


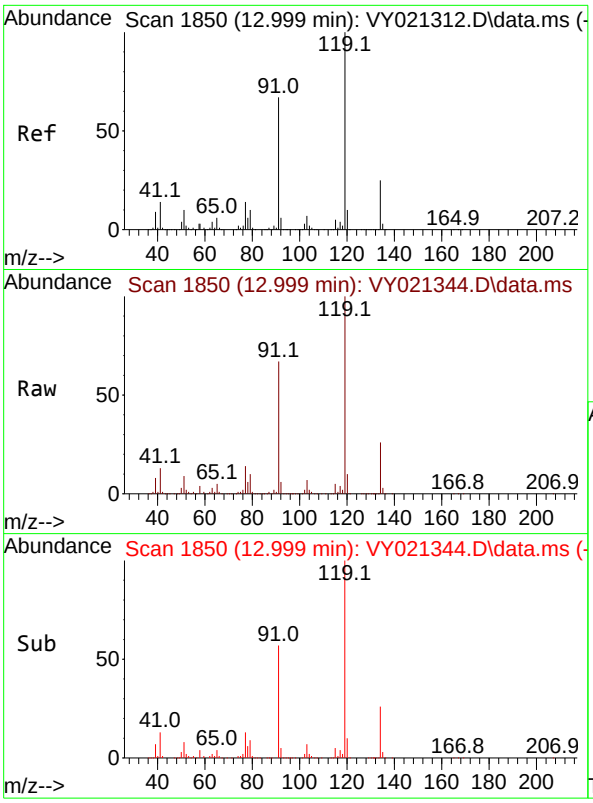


#82
4-Chlorotoluene
Concen: 48.755 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 392065

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

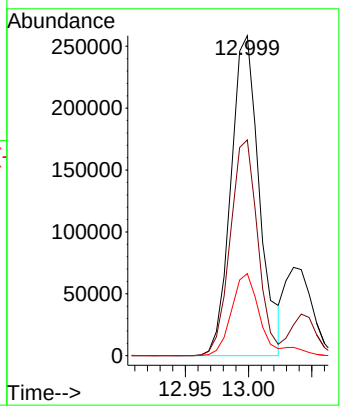




#83
tert-Butylbenzene
Concen: 49.124 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 40540

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.5	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
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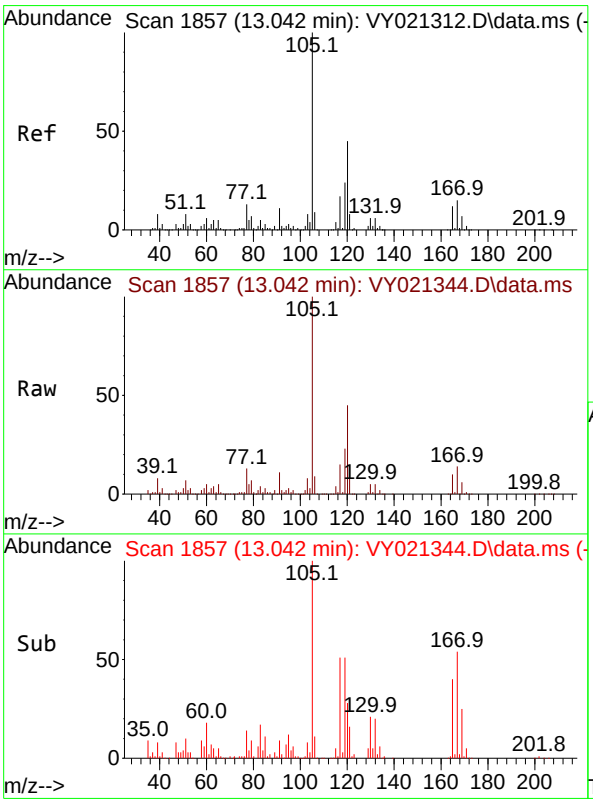
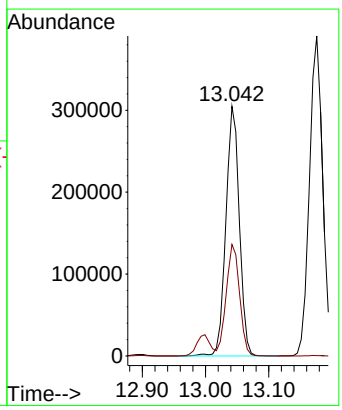
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

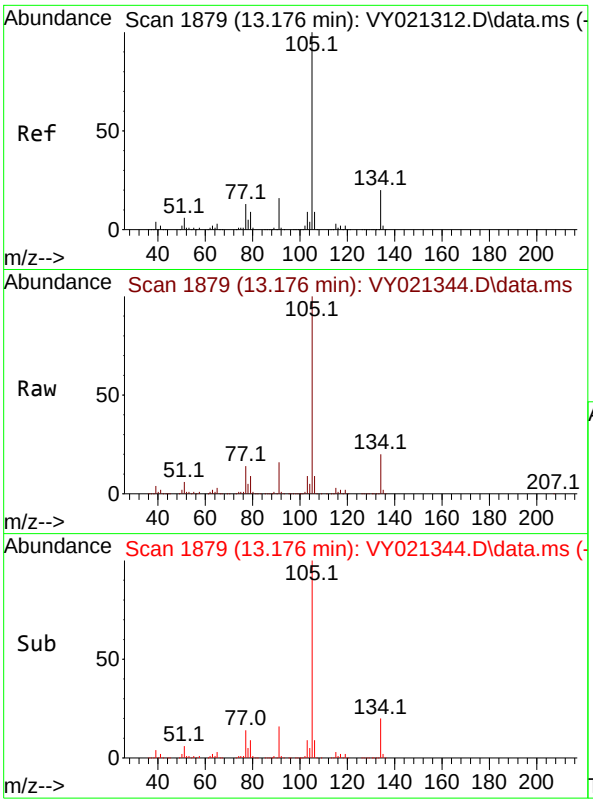


#84
1,2,4-Trimethylbenzene
Concen: 49.422 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 449054

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3

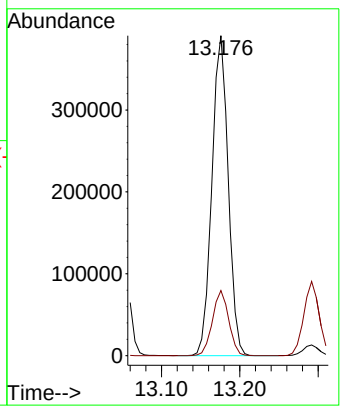




#85
sec-Butylbenzene
Concen: 46.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 56473

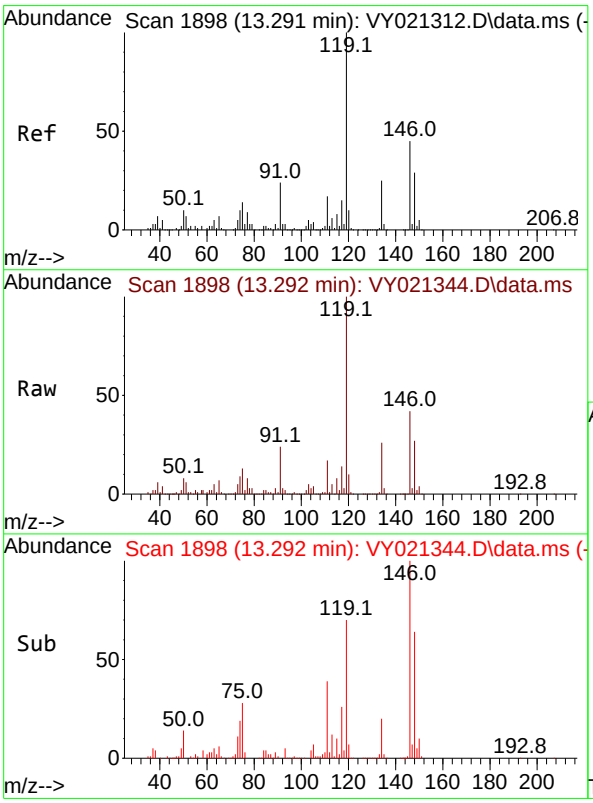
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

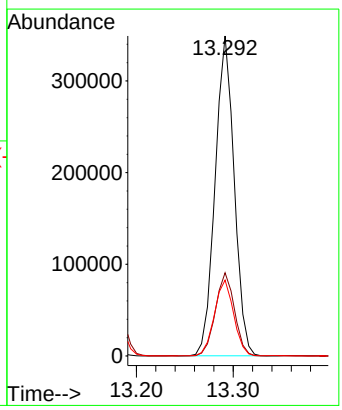
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

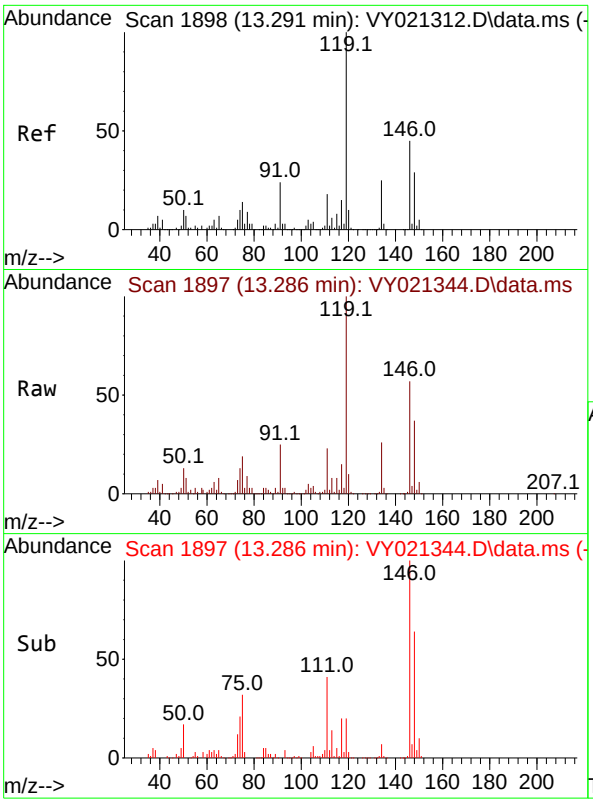


#86
p-Isopropyltoluene
Concen: 47.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 477095

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	23.9	12.0	36.1

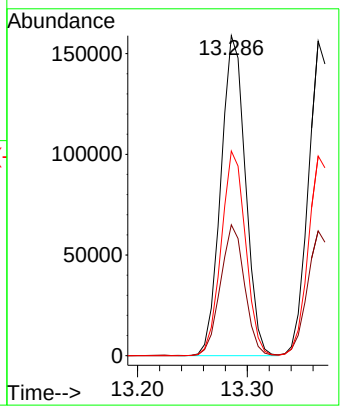




#87
1,3-Dichlorobenzene
Concen: 48.238 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 24722

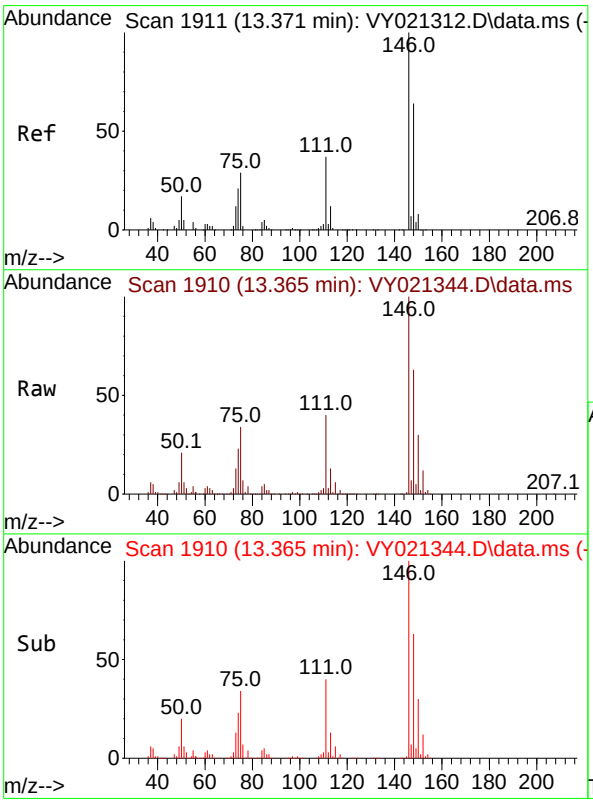
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.3	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

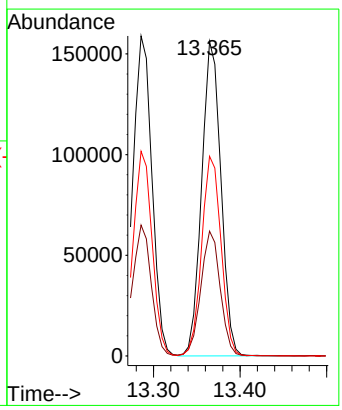
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

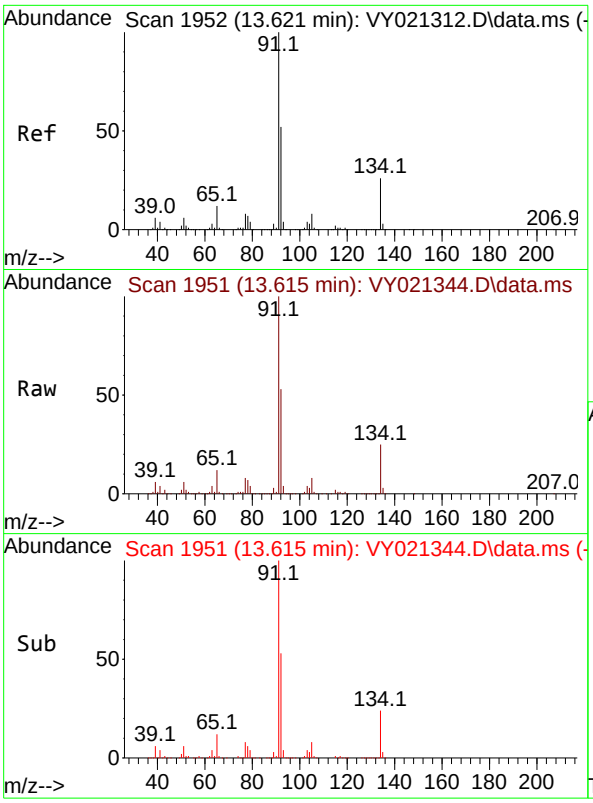


#88
1,4-Dichlorobenzene
Concen: 47.661 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 241313

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	64.0	32.0	96.2

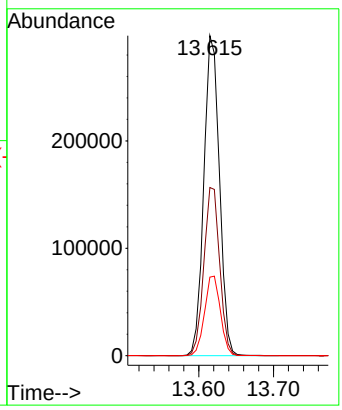




#89
n-Butylbenzene
Concen: 45.583 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 43177

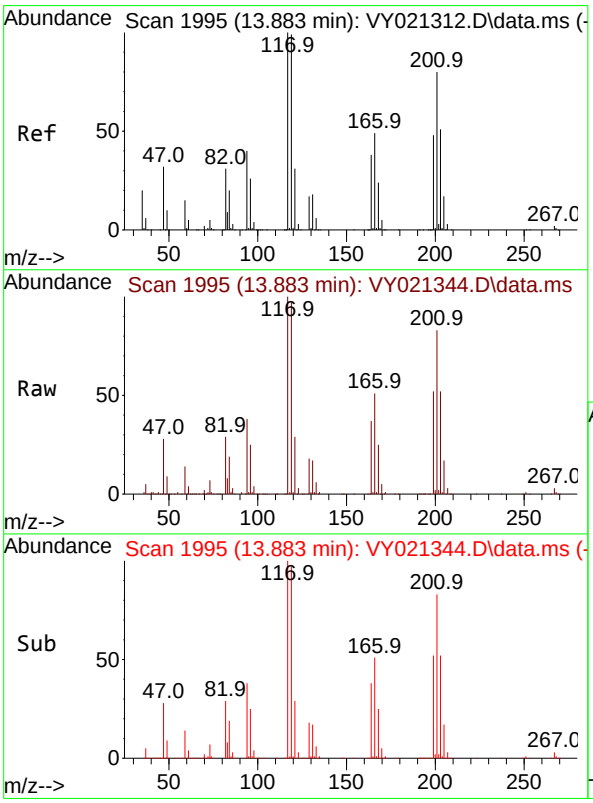
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.3	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

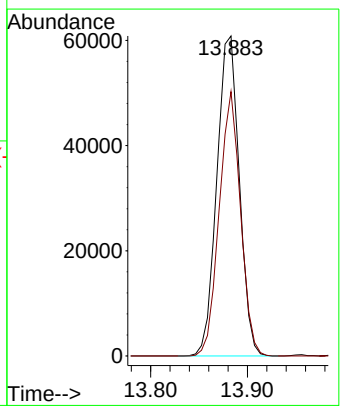
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

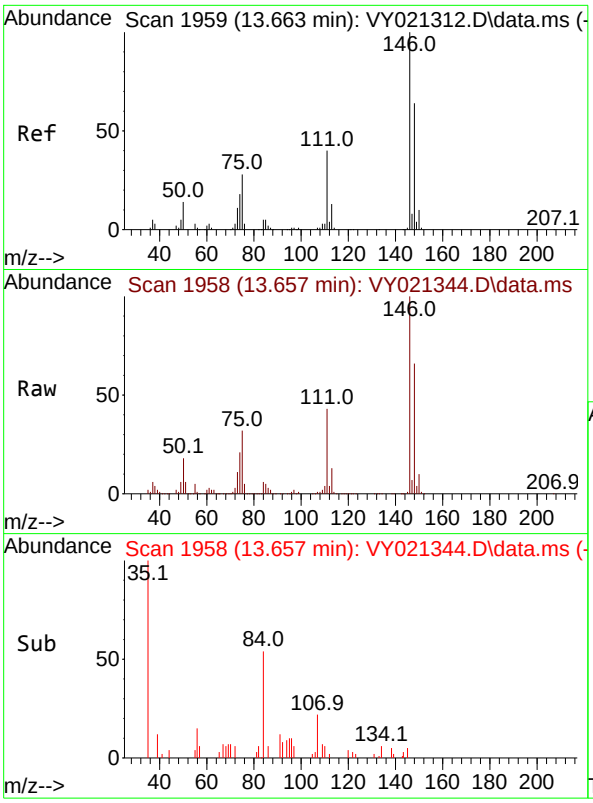


#90
Hexachloroethane
Concen: 46.606 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 97989

Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.4	115.2

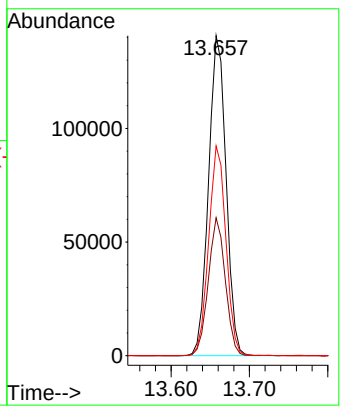




#91
1,2-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 21849

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	64.6	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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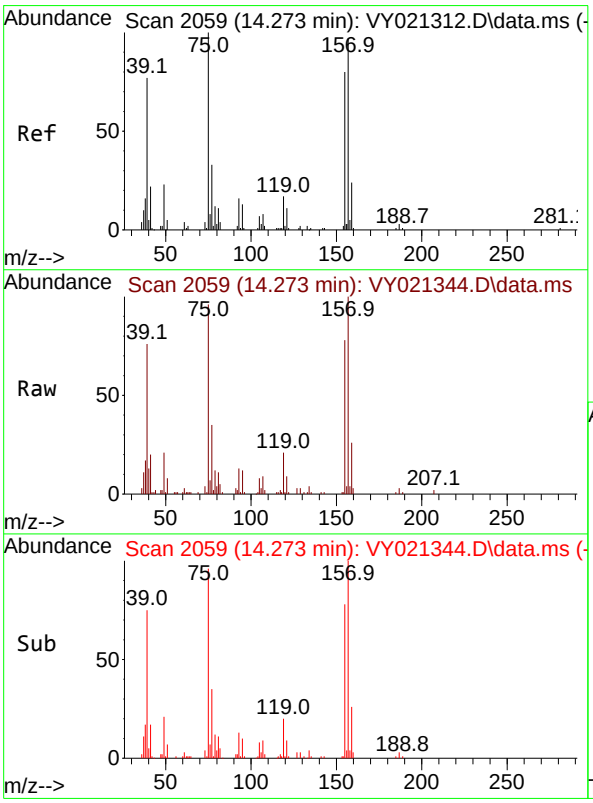
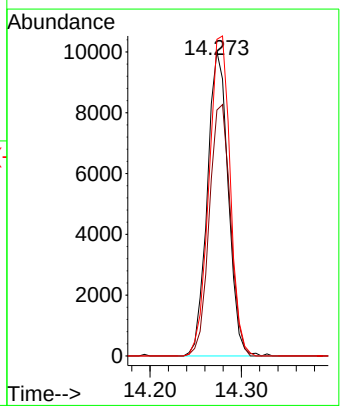
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

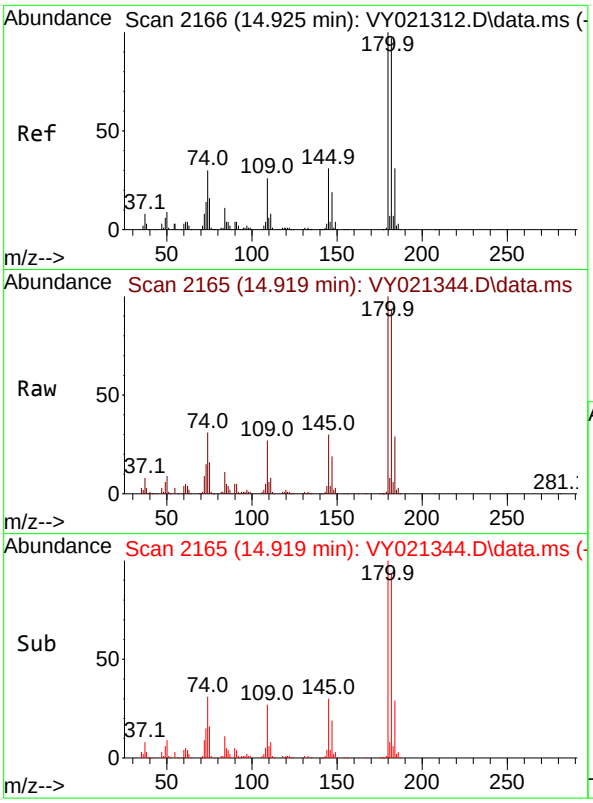


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.037 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15872

Ion	Ratio	Lower	Upper
75	100		
155	83.3	41.9	125.6
157	106.6	52.5	157.6

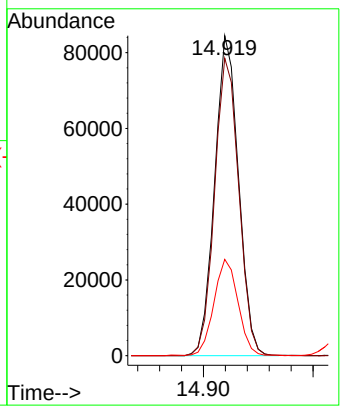




#93
1,2,4-Trichlorobenzene
Concen: 46.535 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 12753

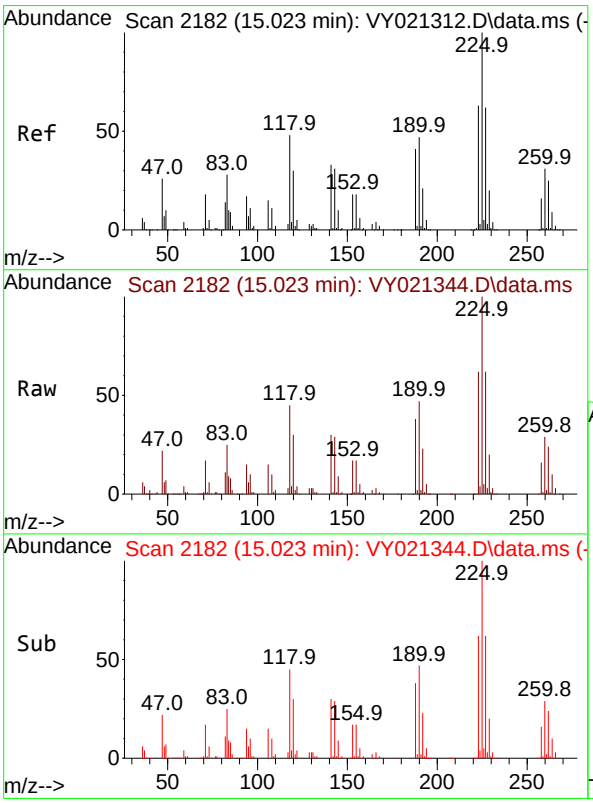
Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	30.6	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

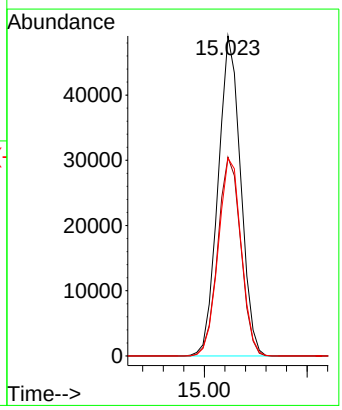
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

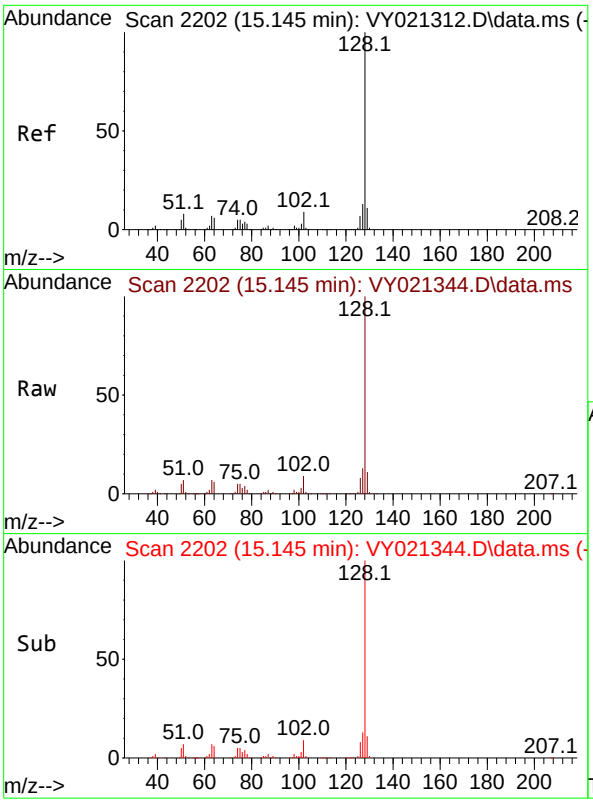


#94
Hexachlorobutadiene
Concen: 43.221 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:225 Resp: 74574

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.4
227	63.0	31.9	95.7

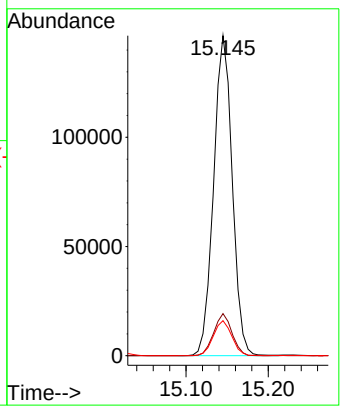




#95
Naphthalene
Concen: 50.863 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:128 Resp: 23088

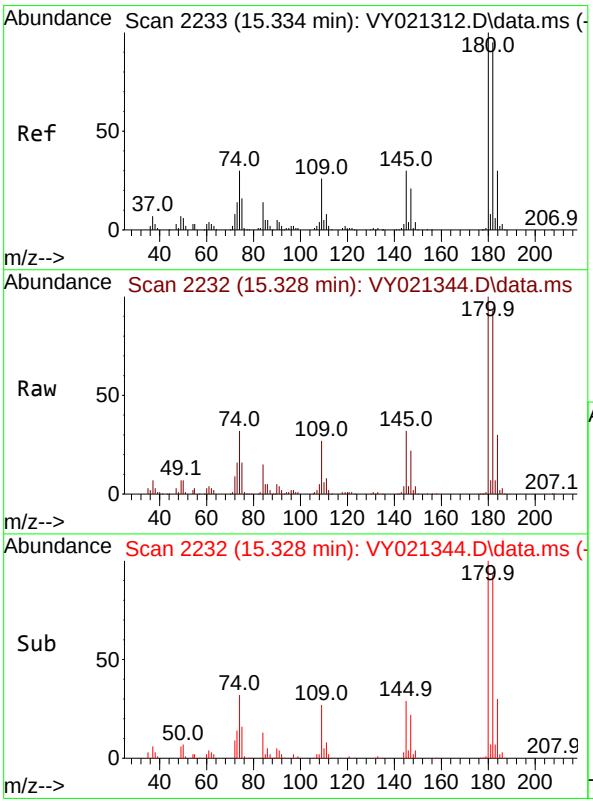
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

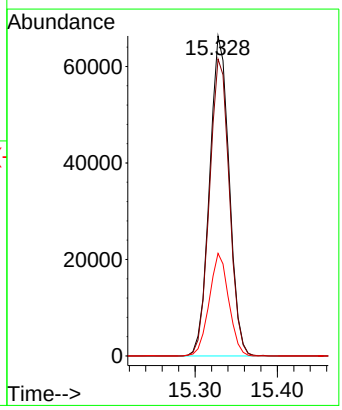
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.484 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 109952

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	31.9	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	119	0.00
2	T	Dichlorodifluoromethane	0.474	0.427	9.9	103	0.00
3	P	Chloromethane	0.612	0.566	7.5	112	0.00
4	C	Vinyl Chloride	0.601	0.577	4.0#	110	0.00
5	T	Bromomethane	0.399	0.382	4.3	118	0.00
6	T	Chloroethane	0.373	0.374	-0.3	114	0.00
7	T	Trichlorofluoromethane	0.908	0.871	4.1	111	0.00
8	T	Diethyl Ether	0.272	0.290	-6.6	121	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.494	5.9	110	0.00
10	T	Methyl Iodide	0.553	0.634	-14.6	119	0.00
11	T	Tert butyl alcohol	0.044	0.040	9.1	120	0.00
12	CM	1,1-Dichloroethene	0.503	0.489	2.8#	113	0.00
13	T	Acrolein	0.033	0.006	81.8#	110	0.00
14	T	Allyl chloride	0.892	0.877	1.7	113	0.00
15	T	Acrylonitrile	0.120	0.125	-4.2	117	0.00
16	T	Acetone	0.109	0.098	10.1	91	0.00
17	T	Carbon Disulfide	1.671	1.626	2.7	112	0.00
18	T	Methyl Acetate	0.266	0.284	-6.8	123	0.00
19	T	Methyl tert-butyl Ether	1.329	1.439	-8.3	122	0.00
20	T	Methylene Chloride	0.588	0.567	3.6	116	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.566	-2.2	118	0.00
22	T	Diisopropyl ether	1.846	1.926	-4.3	117	0.00
23	T	Vinyl Acetate	1.103	1.143	-3.6	115	0.00
24	P	1,1-Dichloroethane	1.040	1.051	-1.1	116	0.00
25	T	2-Butanone	0.164	0.166	-1.2	109	0.00
26	T	2,2-Dichloropropane	0.944	0.817	13.5	100	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.663	-4.9	119	0.00
28	T	Bromochloromethane	0.460	0.446	3.0	117	0.00
29	T	Tetrahydrofuran	0.107	0.112	-4.7	117	0.00
30	C	Chloroform	1.054	1.085	-2.9#	118	0.00
31	T	Cyclohexane	1.000	0.882	11.8	106	0.00
32	T	1,1,1-Trichloroethane	0.960	0.958	0.2	116	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.529	6.7	114	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	126	0.00
35	S	Dibromofluoromethane	0.328	0.298	9.1	116	0.00
36	T	1,1-Dichloropropene	0.492	0.462	6.1	113	0.00
37	T	Ethyl Acetate	0.245	0.240	2.0	117	0.00
38	T	Carbon Tetrachloride	0.554	0.520	6.1	113	0.00
39	T	Methylcyclohexane	0.623	0.557	10.6	106	0.00
40	TM	Benzene	1.456	1.421	2.4	117	0.00
41	T	Methacrylonitrile	0.137	0.148	-8.0	127	0.00
42	TM	1,2-Dichloroethane	0.413	0.419	-1.5	122	0.00
43	T	Isopropyl Acetate	0.474	0.473	0.2	116	0.00
44	TM	Trichloroethene	0.364	0.352	3.3	116	0.00
45	C	1,2-Dichloropropane	0.350	0.341	2.6#	116	0.00
46	T	Dibromomethane	0.191	0.193	-1.0	120	0.00
47	T	Bromodichloromethane	0.511	0.511	0.0	119	0.00
48	T	Methyl methacrylate	0.222	0.224	-0.9	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	122	0.00
50	S	Toluene-d8	1.267	1.131	10.7	114	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.248	-2.1	117	0.00
52	CM	Toluene	0.904	0.897	0.8#	117	0.00
53	T	t-1,3-Dichloropropene	0.468	0.465	0.6	114	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.534	3.3	114	0.00
55	T	1,1,2-Trichloroethane	0.249	0.254	-2.0	120	0.00
56	T	Ethyl methacrylate	0.345	0.370	-7.2	119	0.00
57	T	1,3-Dichloropropane	0.438	0.445	-1.6	120	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.170	-3.0	112	0.00
59	T	2-Hexanone	0.159	0.166	-4.4	114	0.00
60	T	Dibromochloromethane	0.340	0.345	-1.5	118	0.00
61	T	1,2-Dibromoethane	0.236	0.239	-1.3	119	0.00
62	S	4-Bromofluorobenzene	0.426	0.383	10.1	114	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	128	0.00
64	T	Tetrachloroethene	0.378	0.354	6.3	116	0.00
65	PM	Chlorobenzene	1.122	1.085	3.3	118	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.388	1.3	120	0.00
67	C	Ethyl Benzene	1.988	1.913	3.8#	115	0.00
68	T	m/p-Xylenes	0.748	0.722	3.5	115	0.00
69	T	o-Xylene	0.701	0.694	1.0	117	0.00
70	T	Styrene	1.166	1.169	-0.3	117	0.00
71	P	Bromoform	0.225	0.225	0.0	117	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
73	T	Isopropylbenzene	3.759	3.702	1.5	113	0.00
74	T	N-amyl acetate	0.955	0.990	-3.7	114	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.666	-0.5	116	0.00
76	T	1,2,3-Trichloropropane	0.500	0.488	2.4	114	0.00
77	T	Bromobenzene	0.874	0.883	-1.0	118	0.00
78	T	n-propylbenzene	4.561	4.370	4.2	110	0.00
79	T	2-Chlorotoluene	2.618	2.575	1.6	115	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.024	1.9	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.214	4.9	107	0.00
82	T	4-Chlorotoluene	2.714	2.646	2.5	114	0.00
83	T	tert-Butylbenzene	2.785	2.736	1.8	115	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.031	1.1	114	0.00
85	T	sec-Butylbenzene	4.068	3.811	6.3	109	0.00
86	T	p-Isopropyltoluene	3.397	3.220	5.2	109	0.00
87	T	1,3-Dichlorobenzene	1.730	1.669	3.5	113	0.00
88	T	1,4-Dichlorobenzene	1.709	1.629	4.7	113	0.00
89	T	n-Butylbenzene	3.196	2.914	8.8	104	0.00
90	T	Hexachloroethane	0.710	0.661	6.9	112	0.00
91	T	1,2-Dichlorobenzene	1.515	1.475	2.6	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.107	-1.9	115	0.00
93	T	1,2,4-Trichlorobenzene	0.925	0.861	6.9	108	0.00
94	T	Hexachlorobutadiene	0.582	0.503	13.6	104	0.00
95	T	Naphthalene	1.532	1.558	-1.7	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.781	0.742	5.0	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	119	0.00
2	T	Dichlorodifluoromethane	50.000	44.987	10.0	103	0.00
3	P	Chloromethane	50.000	46.199	7.6	112	0.00
4	C	Vinyl Chloride	50.000	47.976	4.0#	110	0.00
5	T	Bromomethane	50.000	47.832	4.3	118	0.00
6	T	Chloroethane	50.000	50.180	-0.4	114	0.00
7	T	Trichlorofluoromethane	50.000	47.991	4.0	111	0.00
8	T	Diethyl Ether	50.000	53.265	-6.5	121	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.044	5.9	110	0.00
10	T	Methyl Iodide	50.000	57.386	-14.8	119	0.00
11	T	Tert butyl alcohol	250.000	231.715	7.3	120	0.00
12	CM	1,1-Dichloroethene	50.000	48.566	2.9#	113	0.00
13	T	Acrolein	250.000	45.939	81.6#	110	0.00
14	T	Allyl chloride	50.000	49.143	1.7	113	0.00
15	T	Acrylonitrile	250.000	259.792	-3.9	117	0.00
16	T	Acetone	250.000	224.914	10.0	91	0.00
17	T	Carbon Disulfide	50.000	48.671	2.7	112	0.00
18	T	Methyl Acetate	50.000	53.445	-6.9	123	0.00
19	T	Methyl tert-butyl Ether	50.000	54.123	-8.2	122	0.00
20	T	Methylene Chloride	50.000	48.152	3.7	116	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.077	-2.2	118	0.00
22	T	Diisopropyl ether	50.000	52.185	-4.4	117	0.00
23	T	Vinyl Acetate	250.000	259.062	-3.6	115	0.00
24	P	1,1-Dichloroethane	50.000	50.498	-1.0	116	0.00
25	T	2-Butanone	250.000	253.286	-1.3	109	0.00
26	T	2,2-Dichloropropane	50.000	43.292	13.4	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.447	-4.9	119	0.00
28	T	Bromochloromethane	50.000	48.465	3.1	117	0.00
29	T	Tetrahydrofuran	250.000	261.209	-4.5	117	0.00
30	C	Chloroform	50.000	51.443	-2.9#	118	0.00
31	T	Cyclohexane	50.000	44.101	11.8	106	0.00
32	T	1,1,1-Trichloroethane	50.000	49.940	0.1	116	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.619	6.8	114	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	126	0.00
35	S	Dibromofluoromethane	50.000	45.429	9.1	116	0.00
36	T	1,1-Dichloropropene	50.000	46.928	6.1	113	0.00
37	T	Ethyl Acetate	50.000	48.999	2.0	117	0.00
38	T	Carbon Tetrachloride	50.000	46.933	6.1	113	0.00
39	T	Methylcyclohexane	50.000	44.707	10.6	106	0.00
40	TM	Benzene	50.000	48.823	2.4	117	0.00
41	T	Methacrylonitrile	50.000	54.039	-8.1	127	0.00
42	TM	1,2-Dichloroethane	50.000	50.672	-1.3	122	0.00
43	T	Isopropyl Acetate	50.000	49.861	0.3	116	0.00
44	TM	Trichloroethene	50.000	48.271	3.5	116	0.00
45	C	1,2-Dichloropropane	50.000	48.736	2.5#	116	0.00
46	T	Dibromomethane	50.000	50.499	-1.0	120	0.00
47	T	Bromodichloromethane	50.000	50.086	-0.2	119	0.00
48	T	Methyl methacrylate	50.000	50.619	-1.2	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1015.844	-1.6	122	0.00
50	S	Toluene-d8	50.000	44.650	10.7	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	254.988	-2.0	117	0.00
52	CM	Toluene	50.000	49.585	0.8#	117	0.00
53	T	t-1,3-Dichloropropene	50.000	49.701	0.6	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.340	3.3	114	0.00
55	T	1,1,2-Trichloroethane	50.000	50.858	-1.7	120	0.00
56	T	Ethyl methacrylate	50.000	53.738	-7.5	119	0.00
57	T	1,3-Dichloropropane	50.000	50.818	-1.6	120	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	257.068	-2.8	112	0.00
59	T	2-Hexanone	250.000	260.462	-4.2	114	0.00
60	T	Dibromochloromethane	50.000	50.788	-1.6	118	0.00
61	T	1,2-Dibromoethane	50.000	50.586	-1.2	119	0.00
62	S	4-Bromofluorobenzene	50.000	44.933	10.1	114	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	128	0.00
64	T	Tetrachloroethene	50.000	46.783	6.4	116	0.00
65	PM	Chlorobenzene	50.000	48.330	3.3	118	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.313	1.4	120	0.00
67	C	Ethyl Benzene	50.000	48.106	3.8#	115	0.00
68	T	m/p-Xylenes	100.000	96.556	3.4	115	0.00
69	T	o-Xylene	50.000	49.544	0.9	117	0.00
70	T	Styrene	50.000	50.170	-0.3	117	0.00
71	P	Bromoform	50.000	50.071	-0.1	117	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	122	0.00
73	T	Isopropylbenzene	50.000	49.240	1.5	113	0.00
74	T	N-amyl acetate	50.000	51.825	-3.7	114	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.176	-0.4	116	0.00
76	T	1,2,3-Trichloropropane	50.000	48.754	2.5	114	0.00
77	T	Bromobenzene	50.000	50.469	-0.9	118	0.00
78	T	n-propylbenzene	50.000	47.897	4.2	110	0.00
79	T	2-Chlorotoluene	50.000	49.187	1.6	115	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.048	1.9	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.460	5.1	107	0.00
82	T	4-Chlorotoluene	50.000	48.755	2.5	114	0.00
83	T	tert-Butylbenzene	50.000	49.124	1.8	115	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.422	1.2	114	0.00
85	T	sec-Butylbenzene	50.000	46.848	6.3	109	0.00
86	T	p-Isopropyltoluene	50.000	47.399	5.2	109	0.00
87	T	1,3-Dichlorobenzene	50.000	48.238	3.5	113	0.00
88	T	1,4-Dichlorobenzene	50.000	47.661	4.7	113	0.00
89	T	n-Butylbenzene	50.000	45.583	8.8	104	0.00
90	T	Hexachloroethane	50.000	46.606	6.8	112	0.00
91	T	1,2-Dichlorobenzene	50.000	48.659	2.7	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.037	-2.1	115	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.535	6.9	108	0.00
94	T	Hexachlorobutadiene	50.000	43.221	13.6	104	0.00
95	T	Naphthalene	50.000	50.863	-1.7	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.484	5.0	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

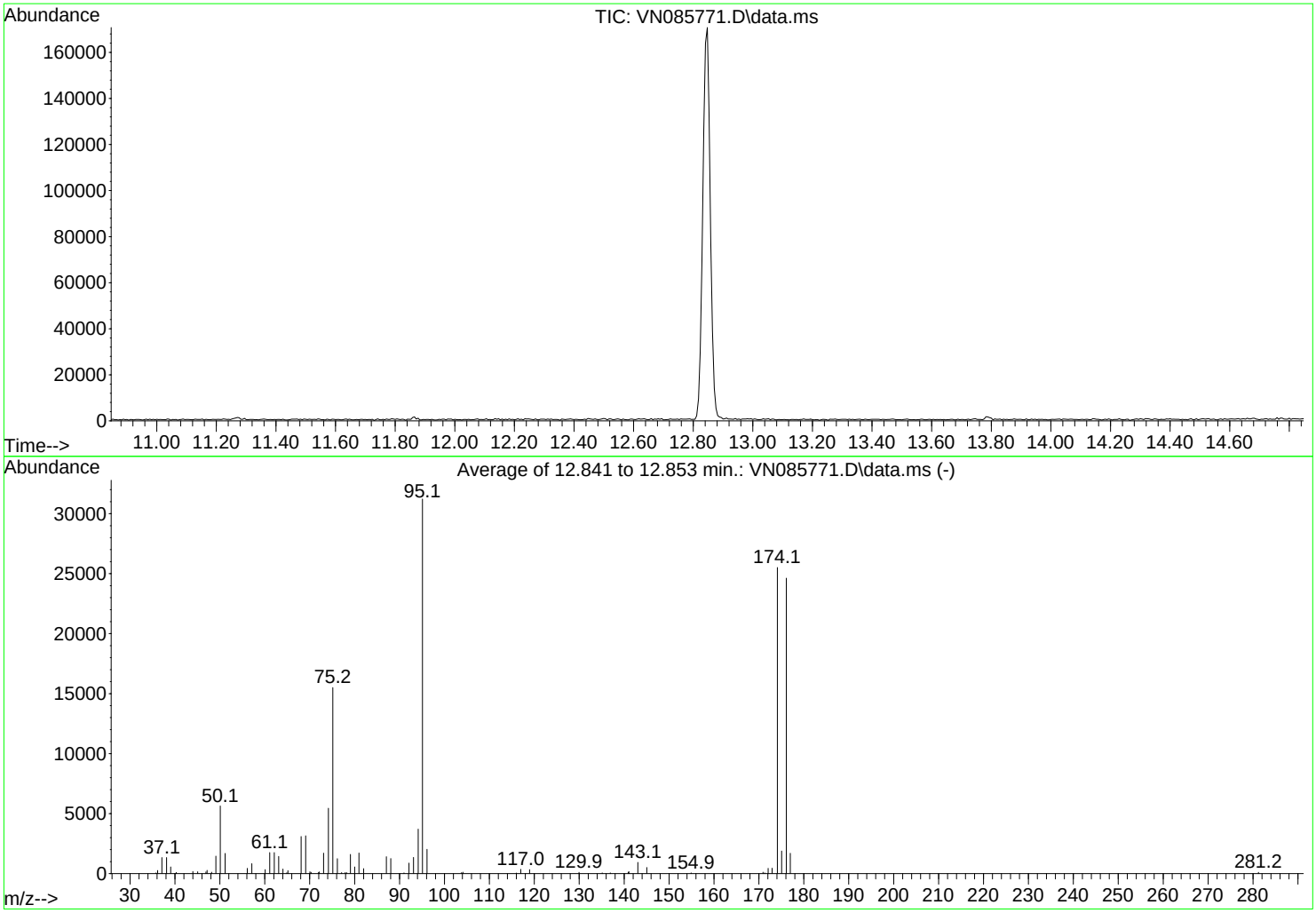
Sample Results: **VN085771.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085771.D
Acq On : 18 Feb 2025 10:35
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Title : SW846 8260
Last Update : Wed Feb 19 03:43:32 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

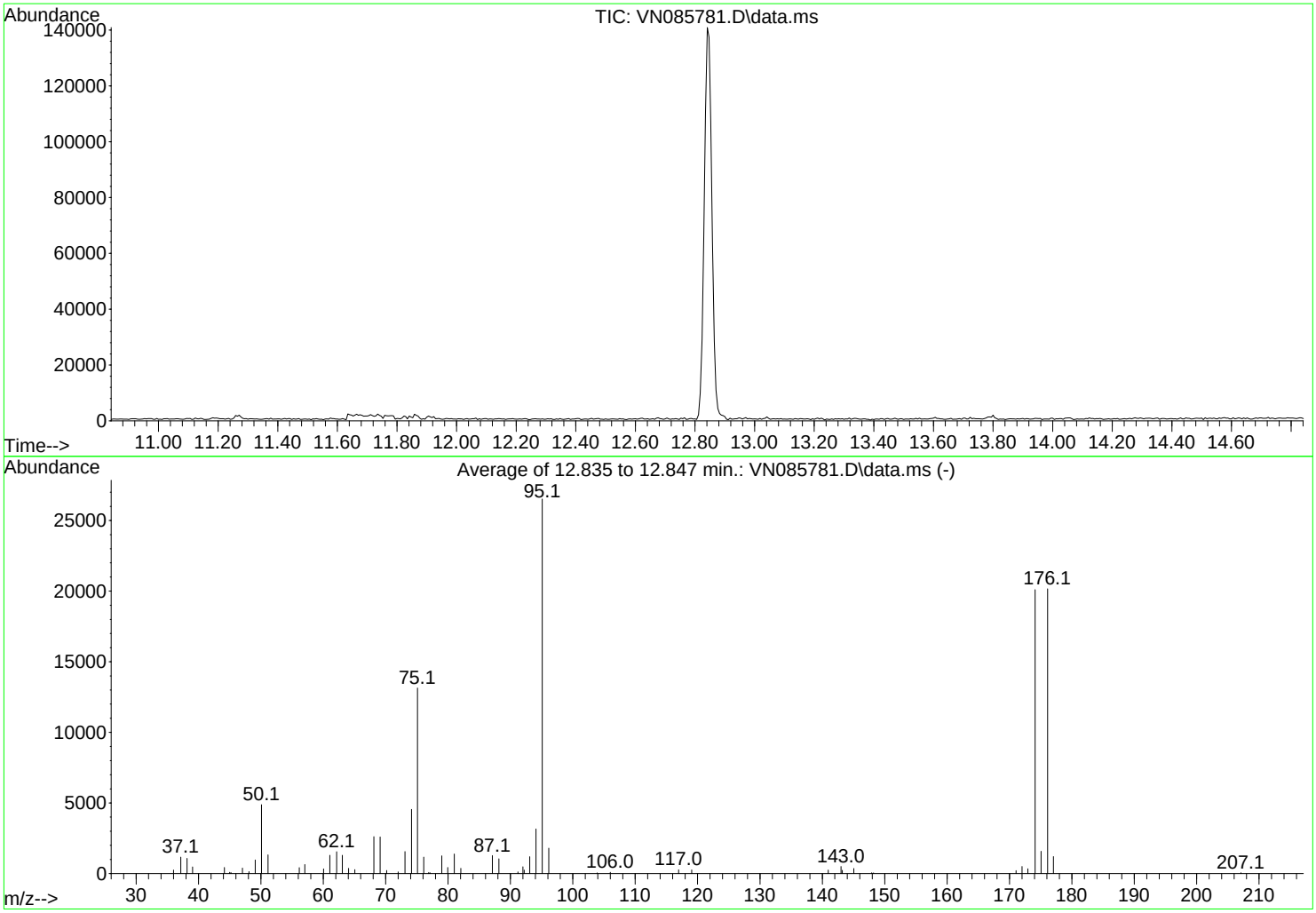
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	5643	PASS
75	95	30	60	49.7	15509	PASS
95	95	100	100	100.0	31224	PASS
96	95	5	9	6.5	2024	PASS
173	174	0.00	2	1.8	452	PASS
174	95	50	100	81.7	25509	PASS
175	174	5	9	7.4	1882	PASS
176	174	95	101	96.5	24621	PASS
177	176	5	9	6.9	1699	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085781.D
Acq On : 19 Feb 2025 10:14
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Title : SW846 8260
Last Update : Wed Feb 19 03:43:32 2025



AutoFind: Scans 1850, 1851, 1852; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	4884	PASS
75	95	30	60	49.6	13144	PASS
95	95	100	100	100.0	26523	PASS
96	95	5	9	6.8	1797	PASS
173	174	0.00	2	1.7	338	PASS
174	95	50	100	75.8	20107	PASS
175	174	5	9	7.9	1580	PASS
176	174	95	101	100.3	20159	PASS
177	176	5	9	6.0	1207	PASS

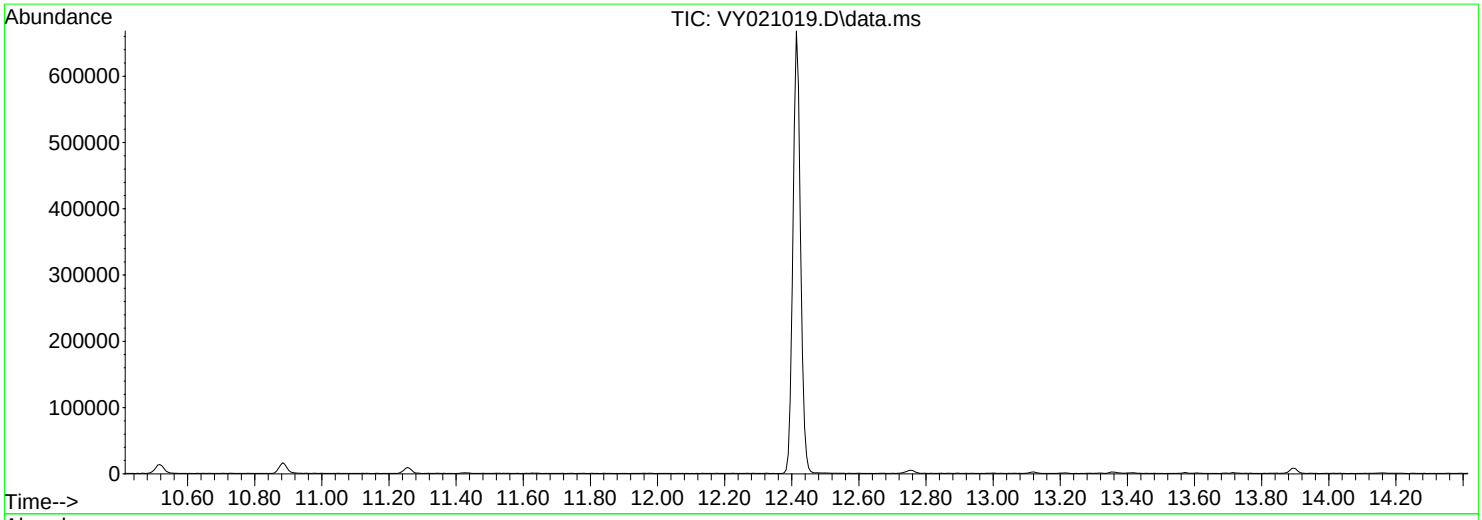
Sample Results: **VY021019.D**

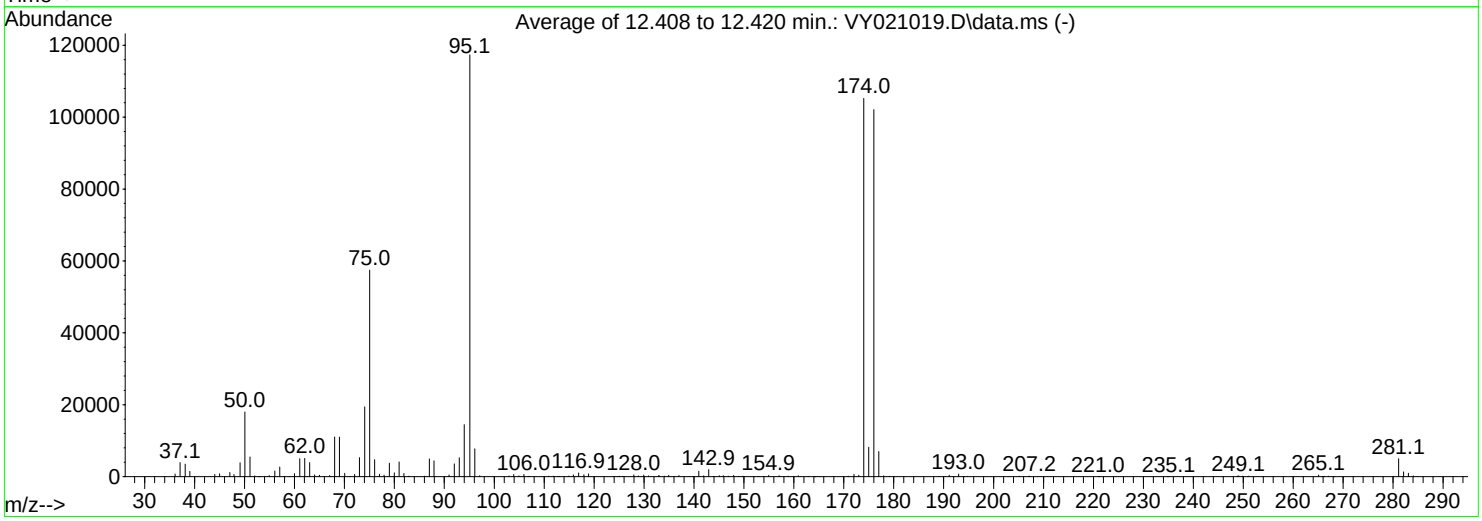
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021019.D
Acq On : 03 Feb 2025 09:51
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	17983	PASS
75	95	30	60	49.0	57469	PASS
95	95	100	100	100.0	117333	PASS
96	95	5	9	6.6	7767	PASS
173	174	0.00	2	0.4	390	PASS
174	95	50	100	89.7	105227	PASS
175	174	5	9	7.8	8179	PASS
176	174	95	101	97.0	102091	PASS
177	176	5	9	6.8	6972	PASS

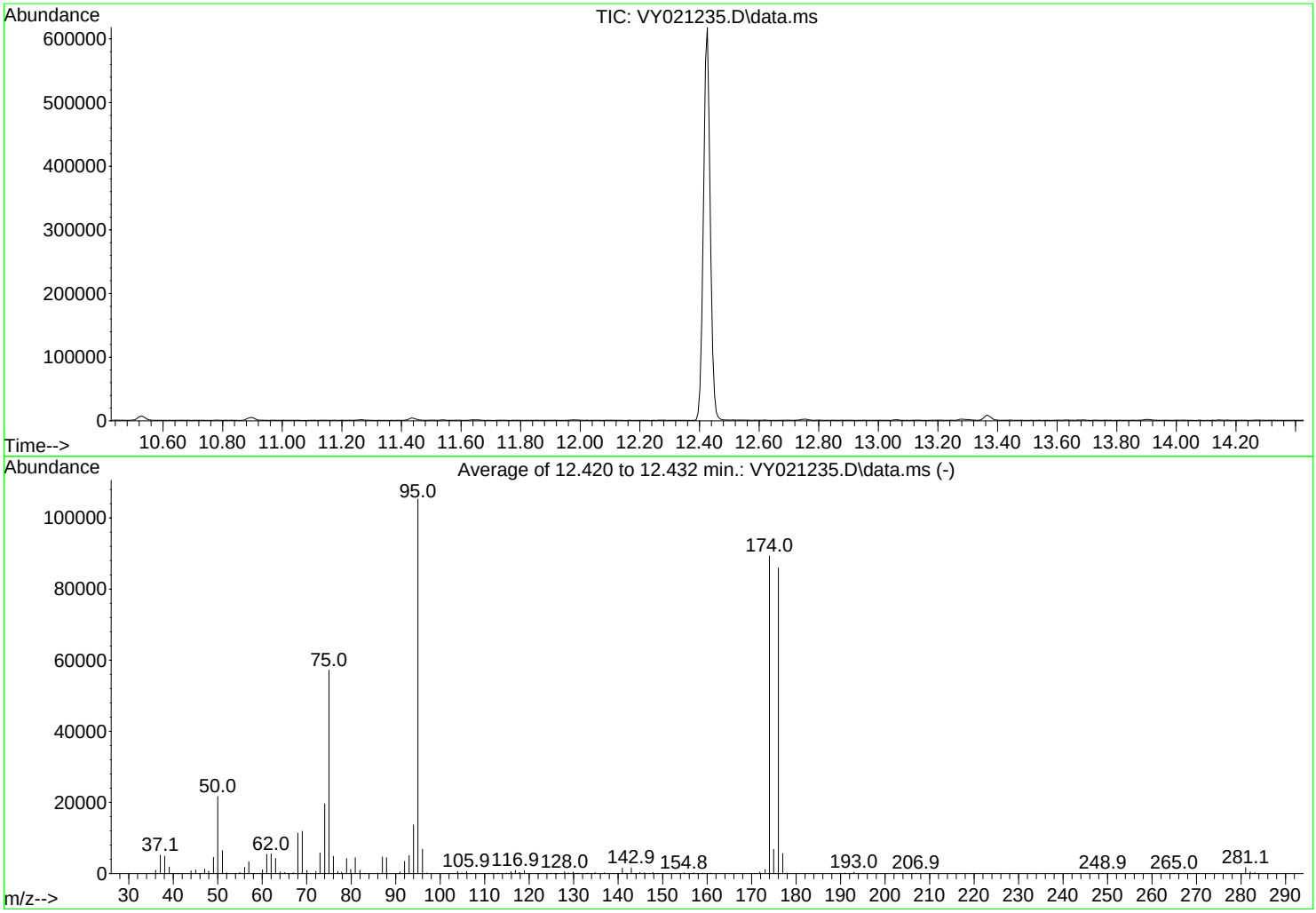
Sample Results: **VY021235.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021235.D
Acq On : 19 Feb 2025 09:09
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025



AutoFind: Scans 1755, 1756, 1757; Background Corrected with Scan 1747

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	21704	PASS
75	95	30	60	54.3	57235	PASS
95	95	100	100	100.0	105325	PASS
96	95	5	9	6.5	6876	PASS
173	174	0.00	2	1.3	1142	PASS
174	95	50	100	84.8	89280	PASS
175	174	5	9	7.6	6780	PASS
176	174	95	101	96.3	85939	PASS
177	176	5	9	6.6	5654	PASS

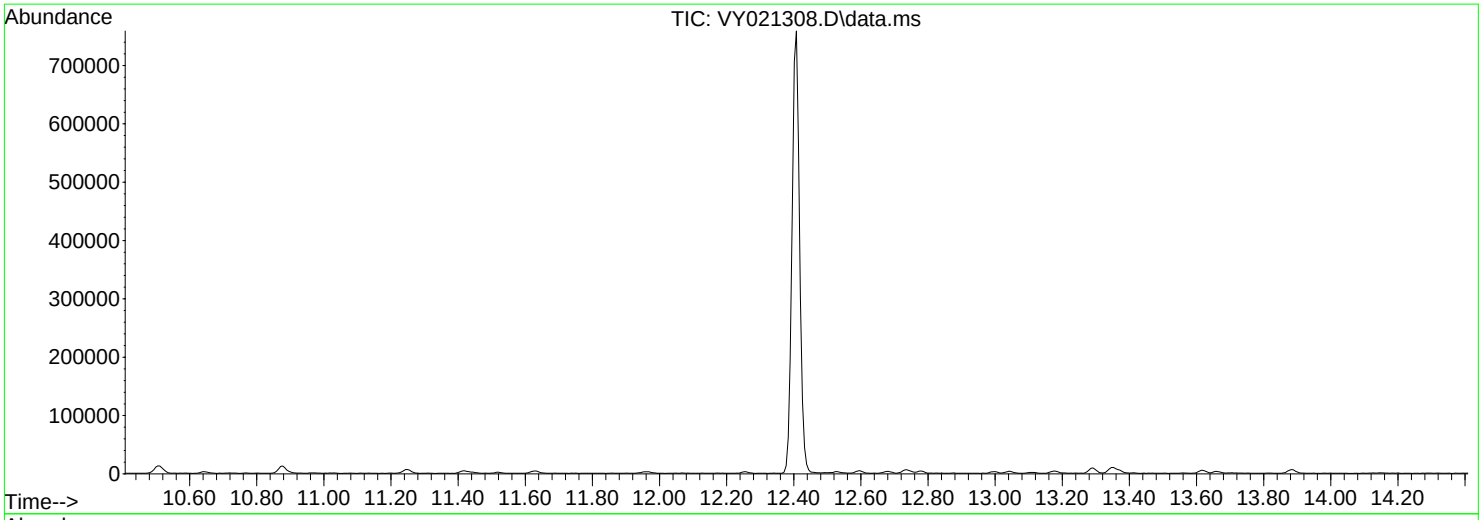
Sample Results: **VY021308.D**

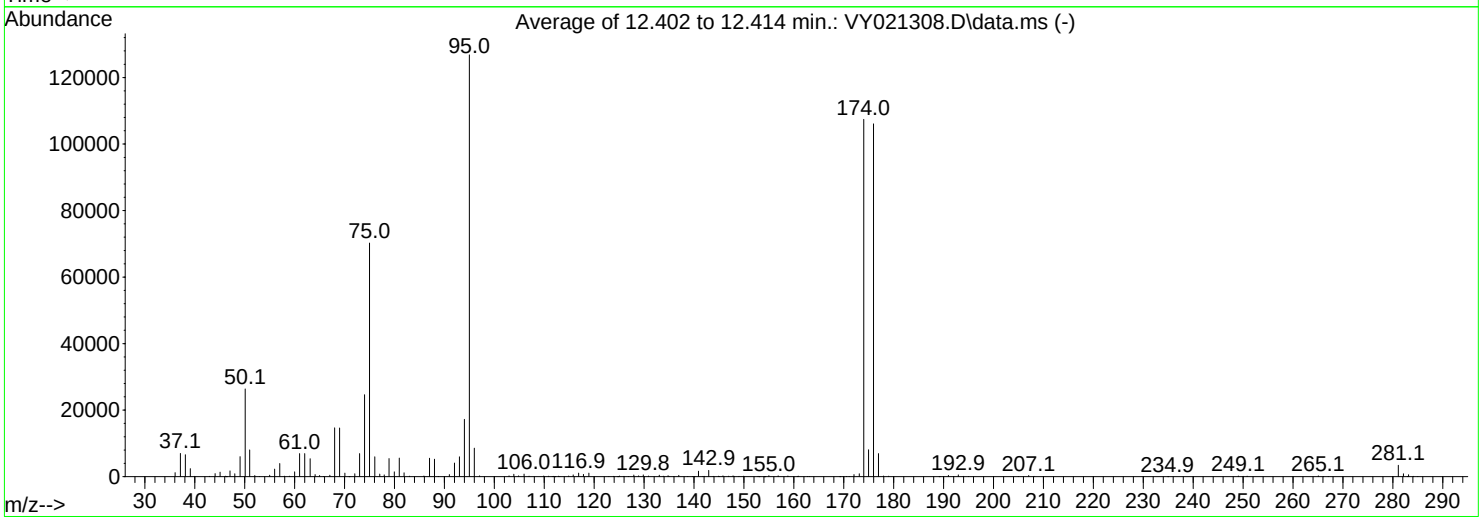
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021308.D
Acq On : 25 Feb 2025 12:10
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	26379	PASS
75	95	30	60	55.4	70224	PASS
95	95	100	100	100.0	126829	PASS
96	95	5	9	6.7	8546	PASS
173	174	0.00	2	0.8	855	PASS
174	95	50	100	84.7	107419	PASS
175	174	5	9	7.5	8085	PASS
176	174	95	101	98.8	106077	PASS
177	176	5	9	6.5	6929	PASS

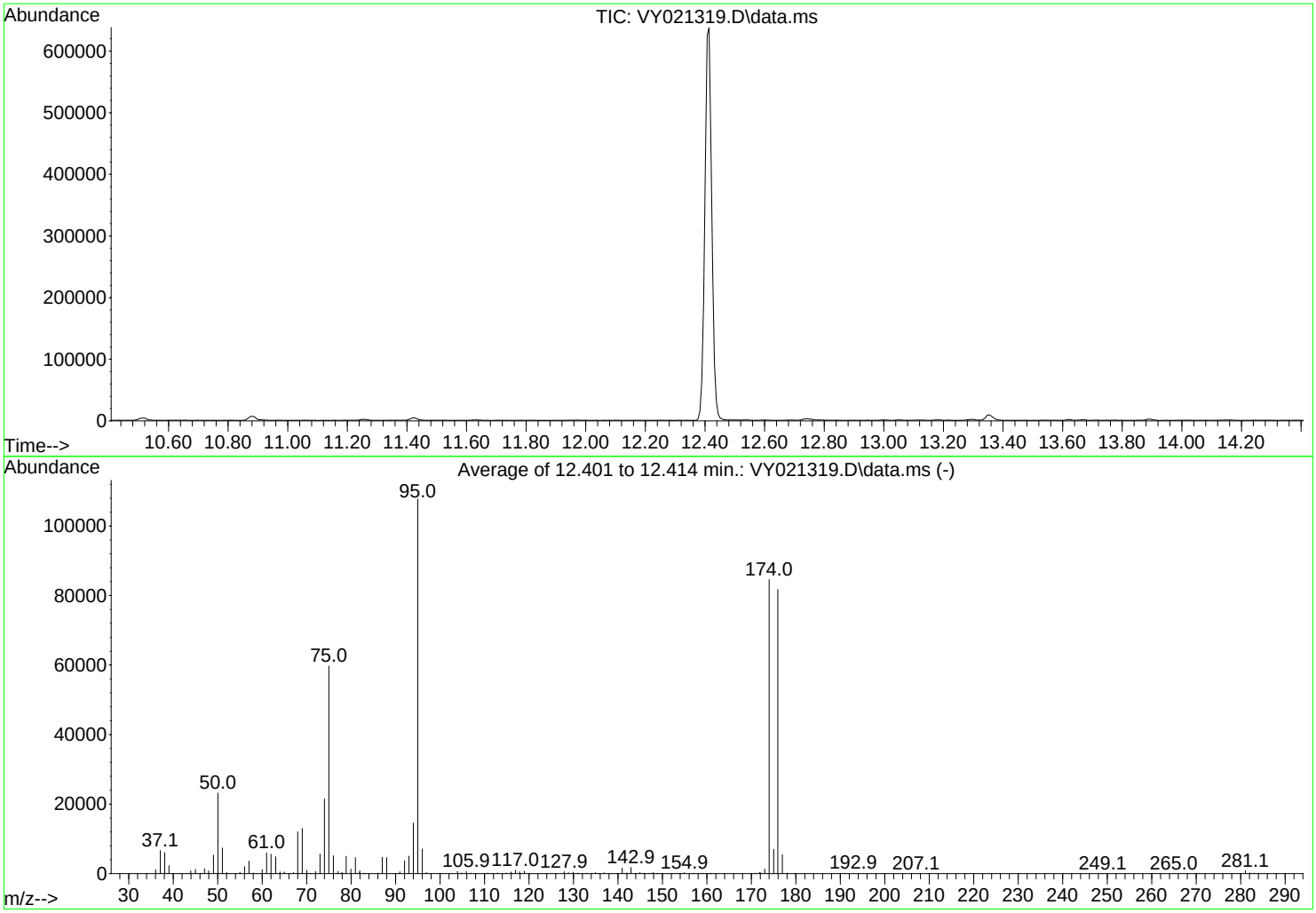
Sample Results: **VY021319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021319.D
Acq On : 26 Feb 2025 09:12
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	23171	PASS
75	95	30	60	55.4	59717	PASS
95	95	100	100	100.0	107776	PASS
96	95	5	9	6.6	7086	PASS
173	174	0.00	2	1.5	1306	PASS
174	95	50	100	78.5	84589	PASS
175	174	5	9	8.3	7013	PASS
176	174	95	101	96.7	81784	PASS
177	176	5	9	6.7	5470	PASS

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VN0219WBL01	SDG No.:	Q1380
Lab Sample ID:	VN0219WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085784.D	1		02/19/25 11:49	VN021925

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VN0219WBL01	SDG No.:	Q1380
Lab Sample ID:	VN0219WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085784.D	1		02/19/25 11:49	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.1		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	286000	8.218				
540-36-3	1,4-Difluorobenzene	515000	9.094				
3114-55-4	Chlorobenzene-d5	458000	11.859				
3855-82-1	1,4-Dichlorobenzene-d4	185000	13.788				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085784.D
Acq On : 19 Feb 2025 11:49
Operator : JC\MD
Sample : VN0219WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Quant Time: Feb 19 12:05:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	286037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	514740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	457806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	185142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	207977	56.08	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.16%			
35) Dibromofluoromethane	8.159	113	183991	54.63	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.26%			
50) Toluene-d8	10.559	98	636245	51.92	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.84%			
62) 4-Bromofluorobenzene	12.847	95	194403	48.15	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.30%			

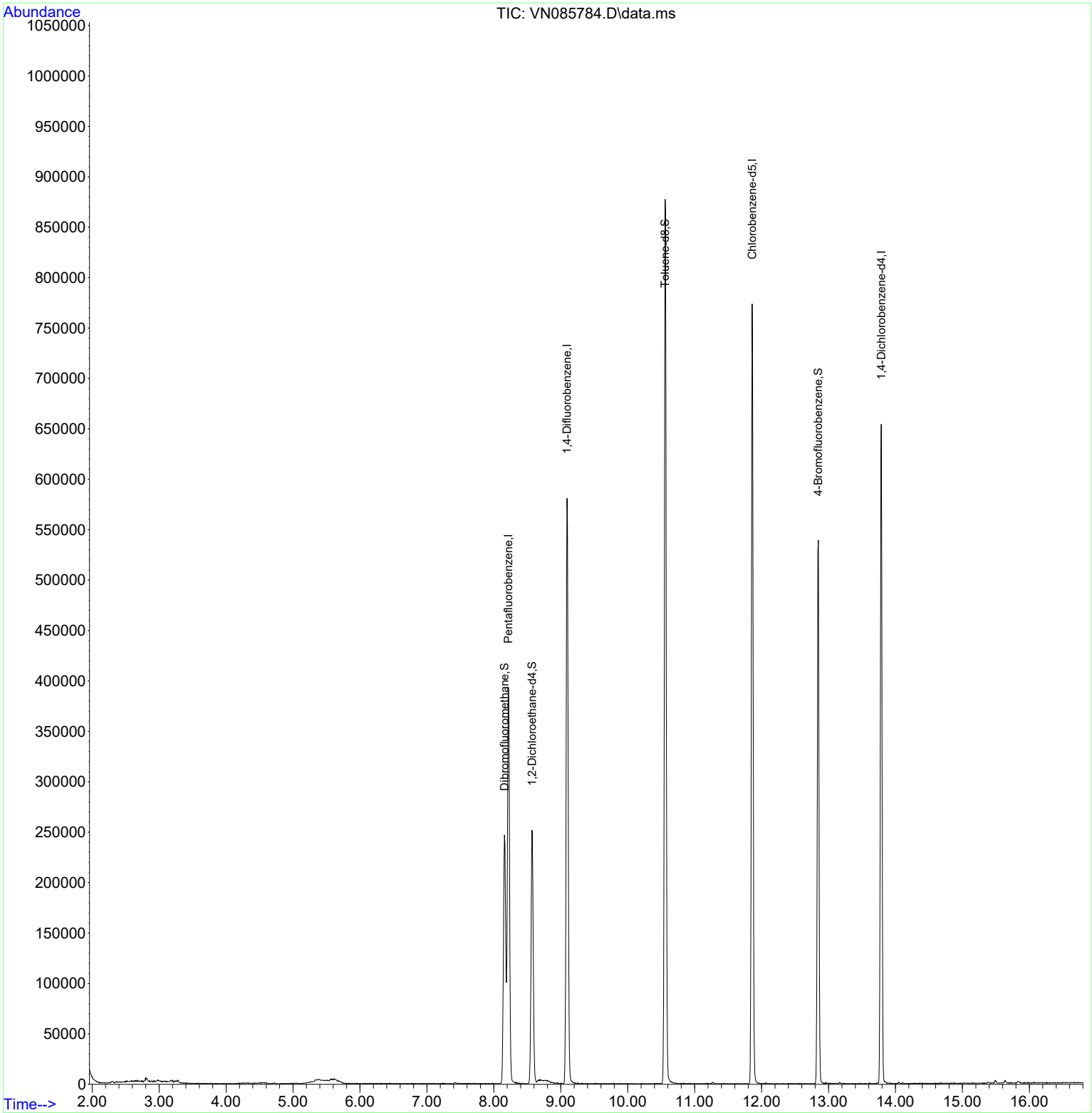
Target Compounds Qvalue

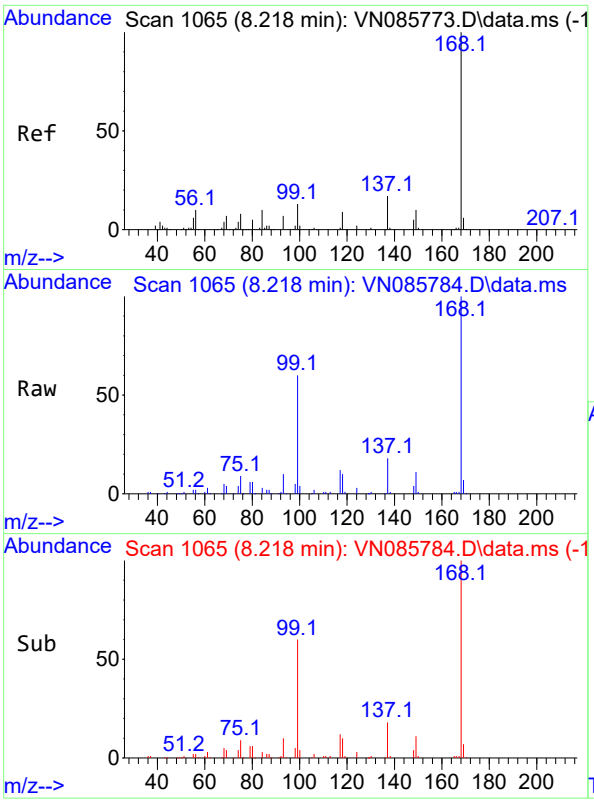
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085784.D
Acq On : 19 Feb 2025 11:49
Operator : JC\MD
Sample : VN0219WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Quant Time: Feb 19 12:05:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



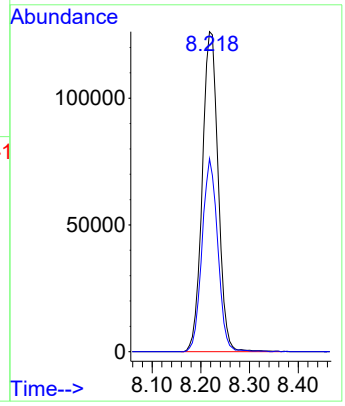


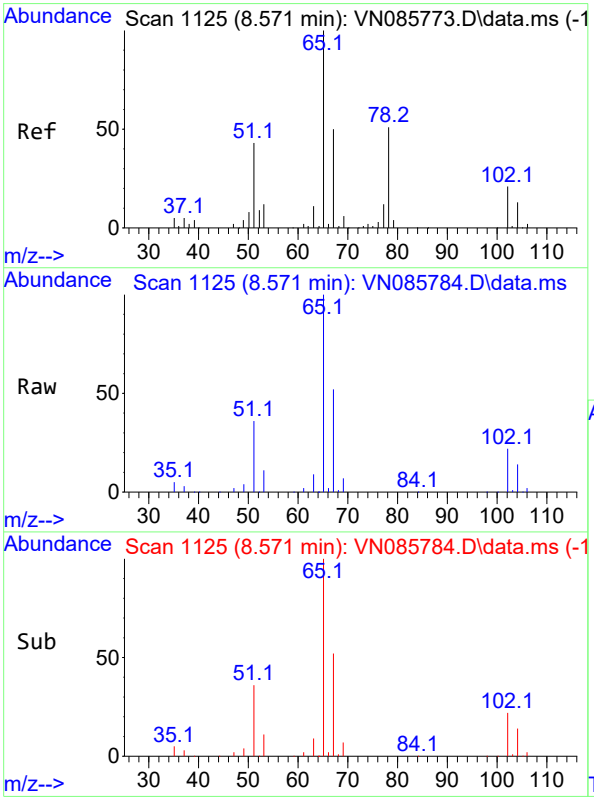
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Tgt Ion:168 Resp: 286037

Ion	Ratio	Lower	Upper
168	100		
99	60.3	47.9	71.9

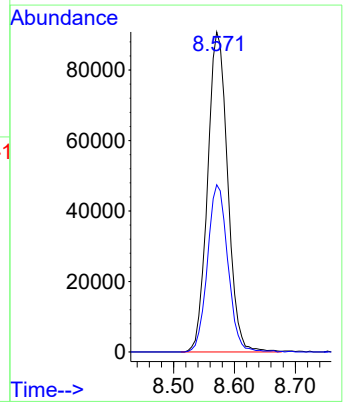


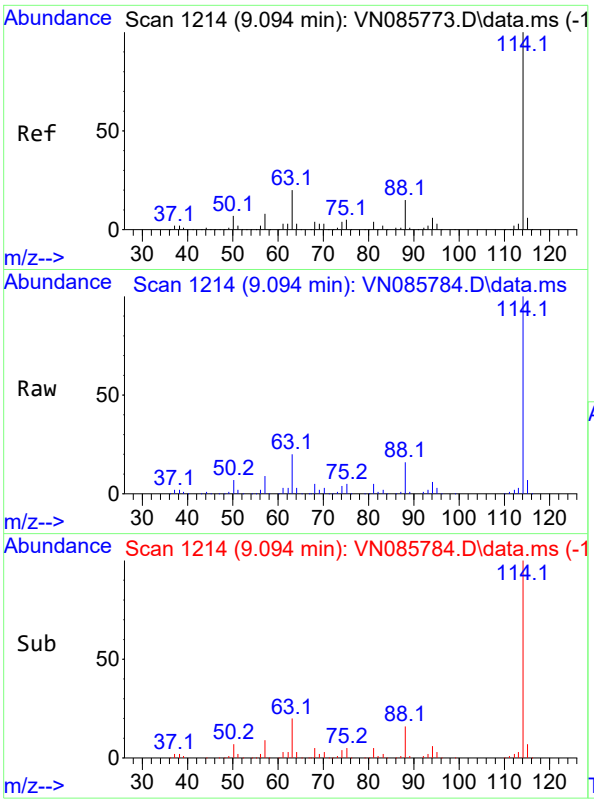


#33
1,2-Dichloroethane-d4
Concen: 56.08 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion: 65 Resp: 207977

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2



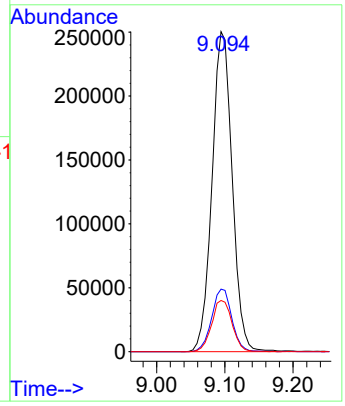


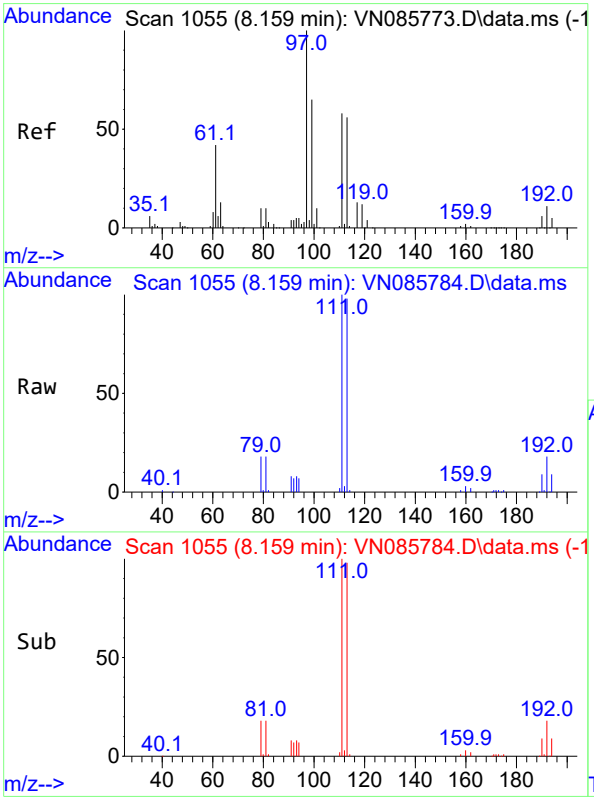
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 9.094 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Tgt Ion:114 Resp: 514740

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.2
88	16.0	0.0	30.0

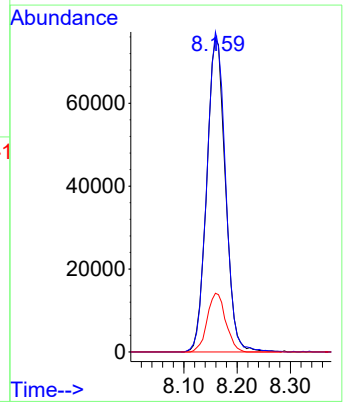


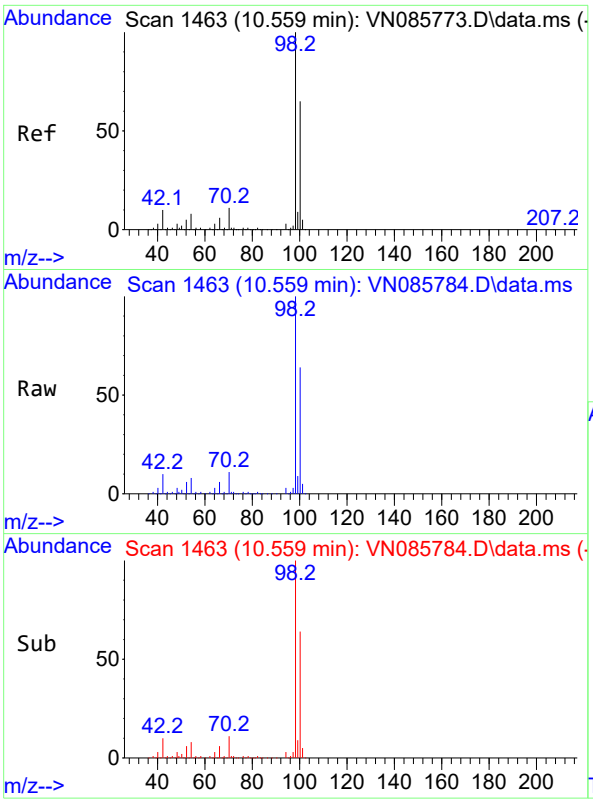


#35
Dibromofluoromethane
Concen: 54.63 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion:113 Resp: 183991

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	18.5	14.7	22.1



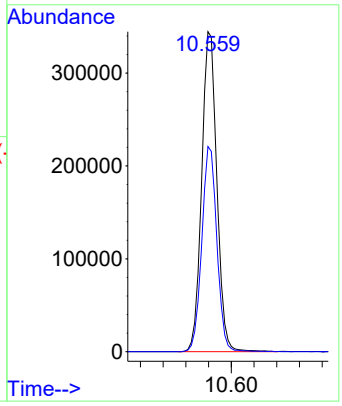


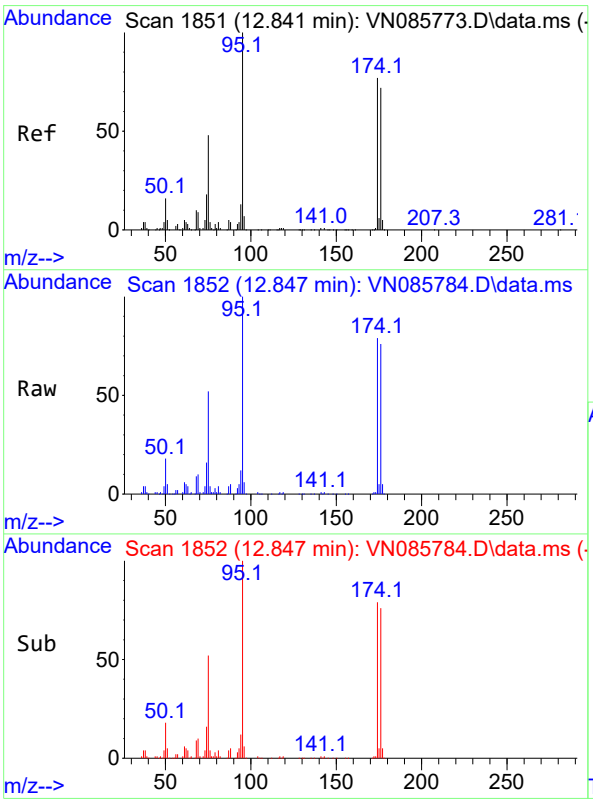
#50
Toluene-d8
Concen: 51.92 ug/l
RT: 10.559 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Tgt Ion: 98 Resp: 636245

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1

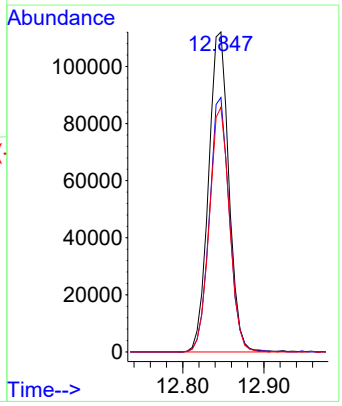


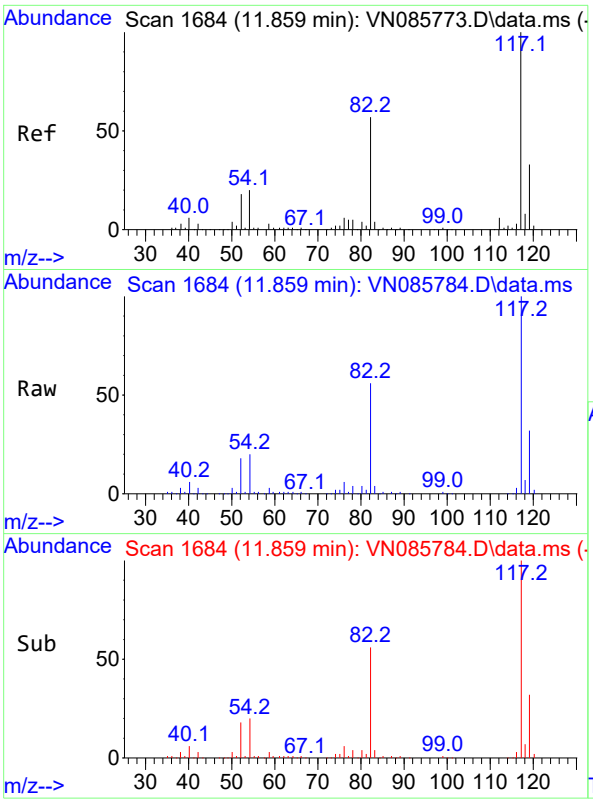


#62
4-Bromofluorobenzene
Concen: 48.15 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion: 95 Resp: 194403

Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	152.4
176	75.6	0.0	146.6



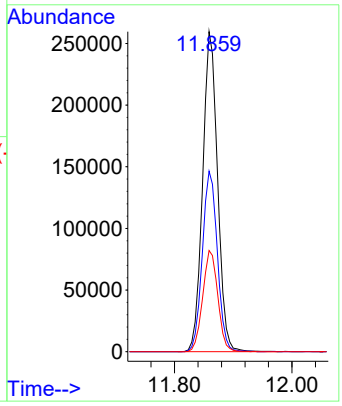


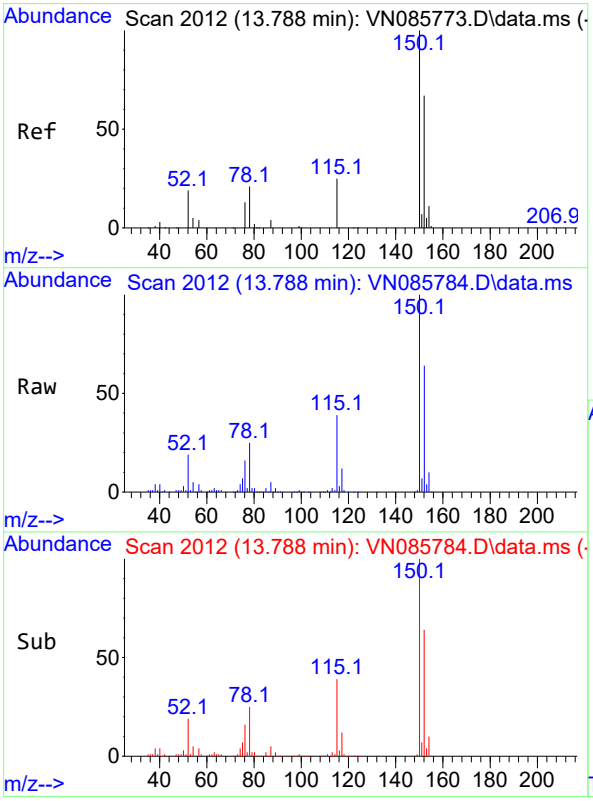
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Tgt Ion:117 Resp: 457806

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.7	68.5
119	31.6	26.2	39.2

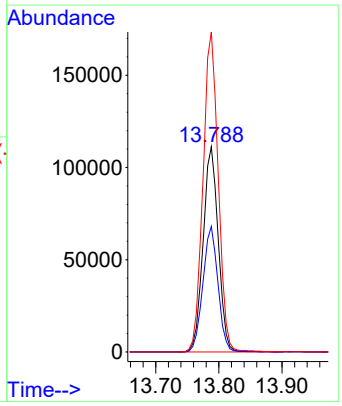




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion:152 Resp: 185142

Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.4	91.3
150	156.7	0.0	345.4



Sample Results: **VN085784.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085784.D
Acq On : 19 Feb 2025 11:49
Operator : JC\MD
Sample : VN0219WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085784.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.159	1044	1055	1060	rBV	246712	598188	36.87%	7.246%
2	8.218	1060	1065	1082	rVB	392440	863867	53.25%	10.465%
3	8.571	1115	1125	1136	rBV	251275	572689	35.30%	6.937%
4	9.094	1204	1214	1230	rBV	580527	1190975	73.41%	14.427%
5	10.559	1455	1463	1477	rBV	877191	1622288	100.00%	19.652%
6	11.859	1675	1684	1699	rBV	773491	1373950	84.69%	16.644%
7	12.847	1844	1852	1864	rBV	538783	927339	57.16%	11.233%
8	13.788	2004	2012	2020	rBV	653740	1105863	68.17%	13.396%

Sum of corrected areas: 8255159

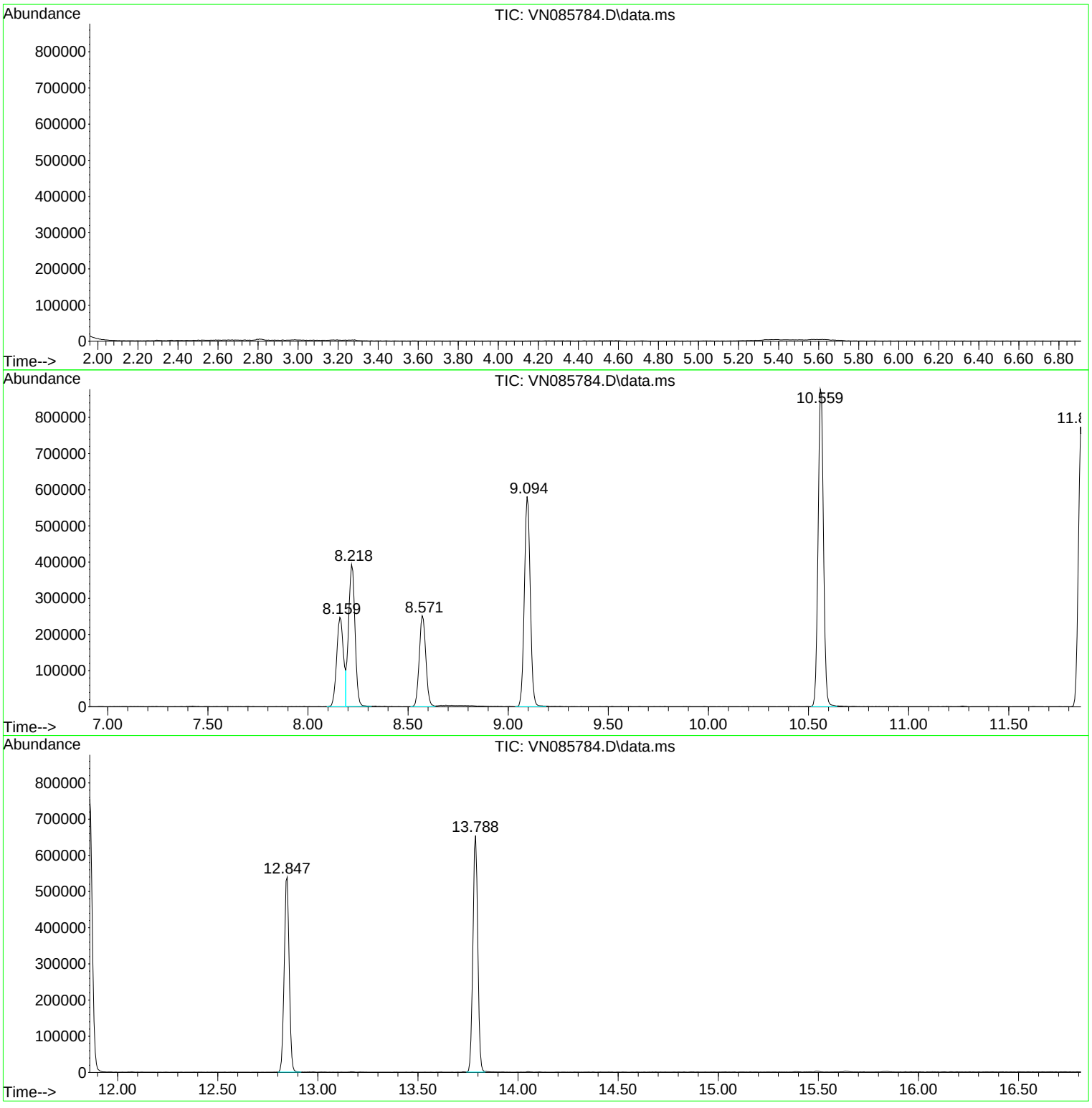
Sample Results: **VN085784.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085784.D
Acq On : 19 Feb 2025 11:49
Operator : JC\MD
Sample : VN0219WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085784.D
Acq On : 19 Feb 2025 11:49
Operator : JC\MD
Sample : VN0219WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085784.D
Acq On : 19 Feb 2025 11:49
Operator : JC\MD
Sample : VN0219WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0219SBL01	SDG No.:	Q1380
Lab Sample ID:	VY0219SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021237.D	1		02/19/25 15:21	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	2.50	U	1.20	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.77	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.00	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.00	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	0.91	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	6.20	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.30	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.87	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.66	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.56	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	4.40	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.67	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.60	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.57	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.84	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	4.80	12.5	25.0	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0219SBL01	SDG No.:	Q1380
Lab Sample ID:	VY0219SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021237.D	1		02/19/25 15:21	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	2.50	U	0.65	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.62	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.40	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.70	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.60	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.81	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.67	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.10	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	0.80	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	0.59	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.6		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	253000	7.719				
540-36-3	1,4-Difluorobenzene	479000	8.622				
3114-55-4	Chlorobenzene-d5	430000	11.426				
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.352				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Quant Time: Feb 20 00:17:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	252953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	478949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	429832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	157077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	140543	54.228	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.460%			
35) Dibromofluoromethane	7.646	113	154148	50.220	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.115	98	579110	49.558	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.414	95	182414	47.782	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.560%			

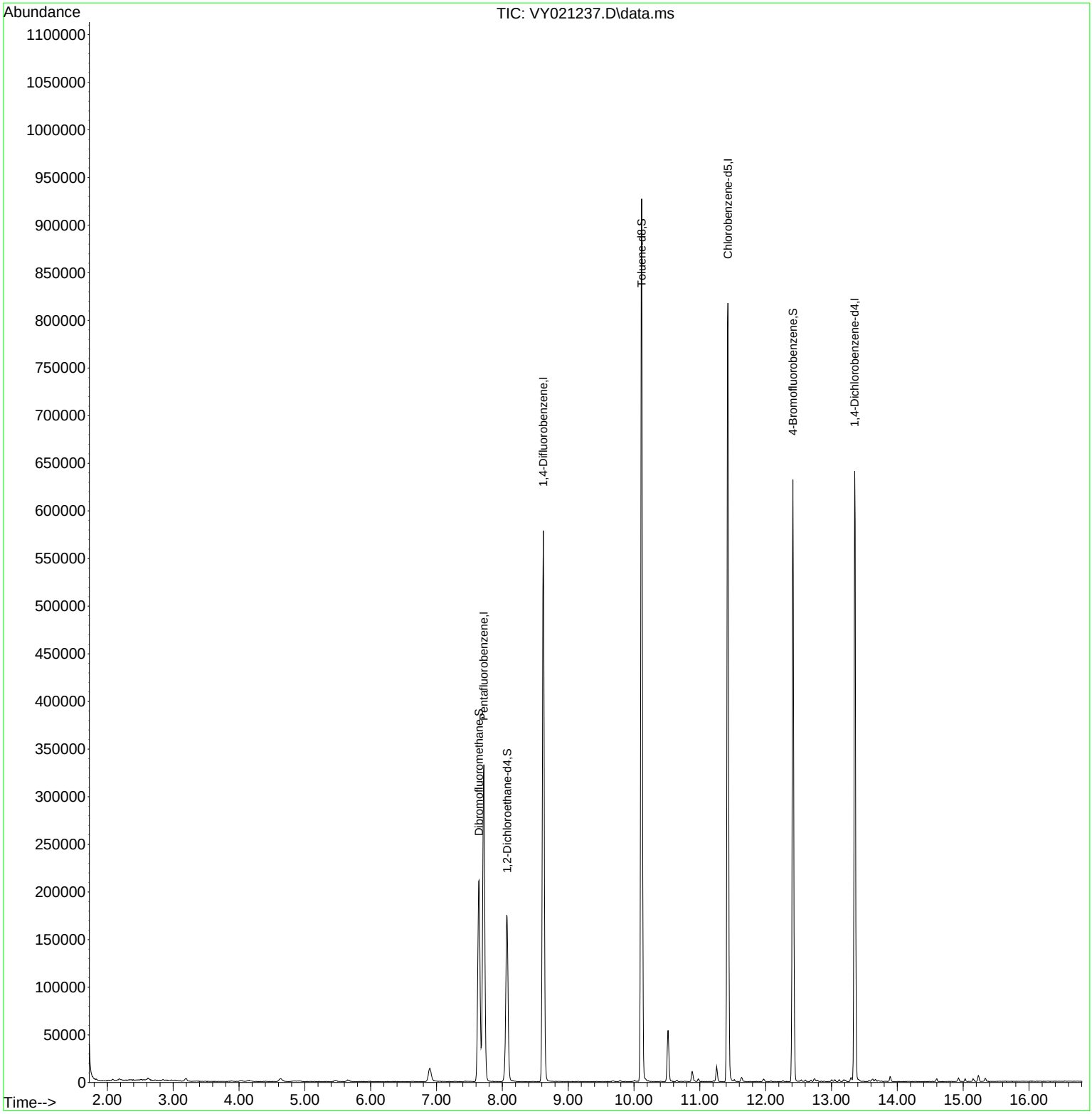
Target Compounds Qvalue

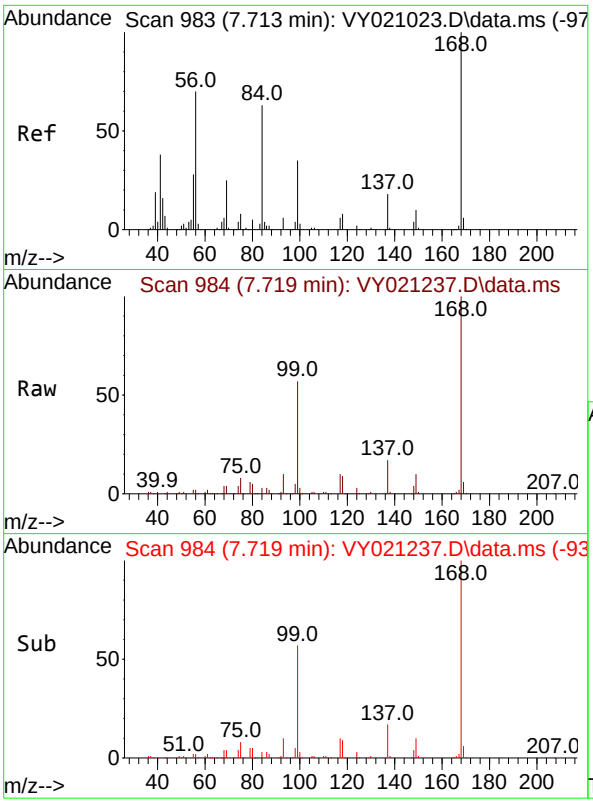
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Quant Time: Feb 20 00:17:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



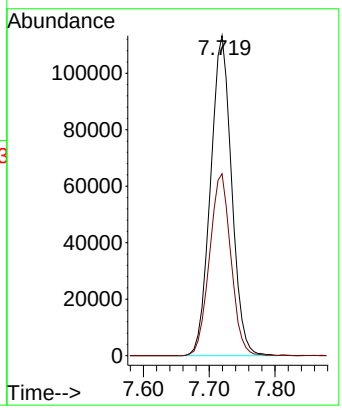


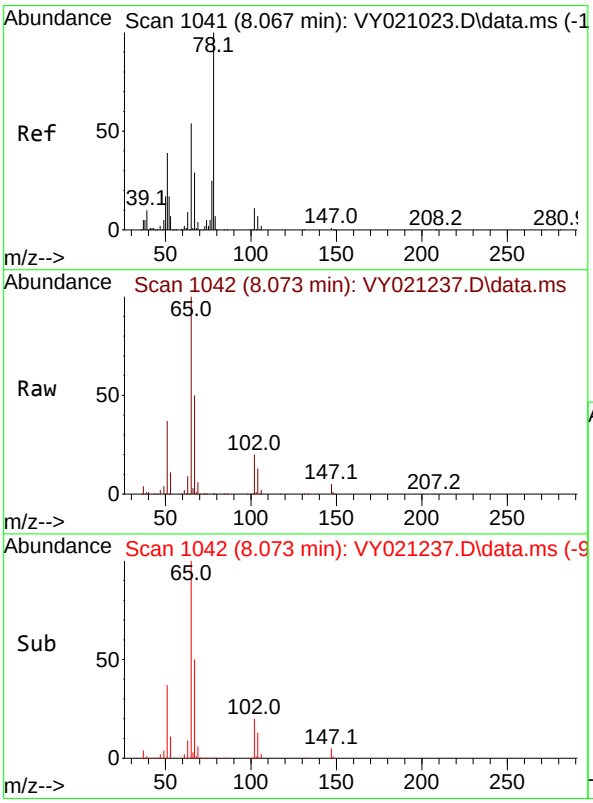
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Tgt Ion:168 Resp: 252953

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.2	66.4

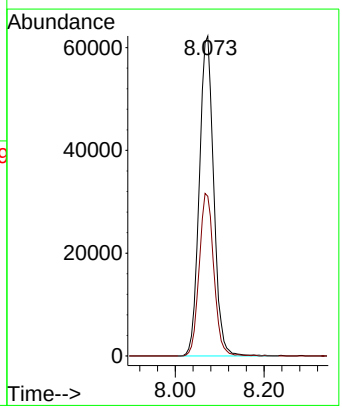


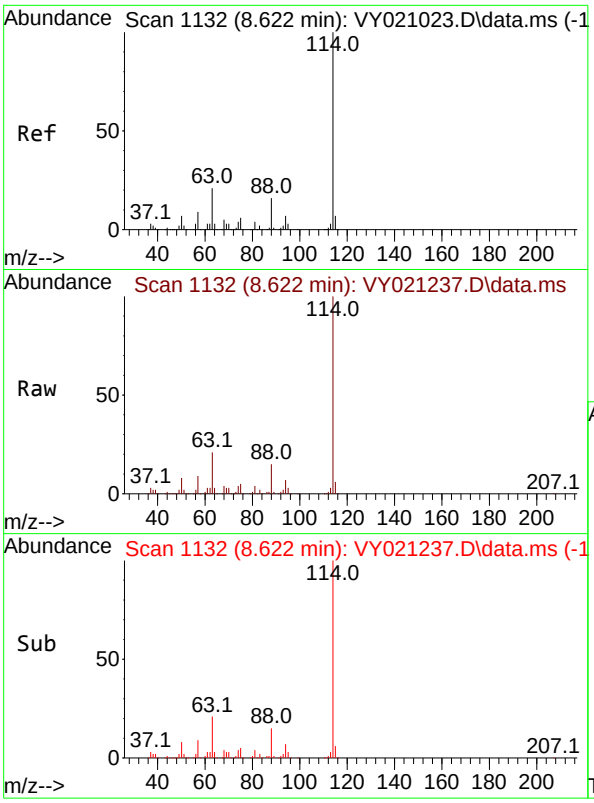


#33
1,2-Dichloroethane-d4
Concen: 54.228 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion: 65 Resp: 140543

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.0



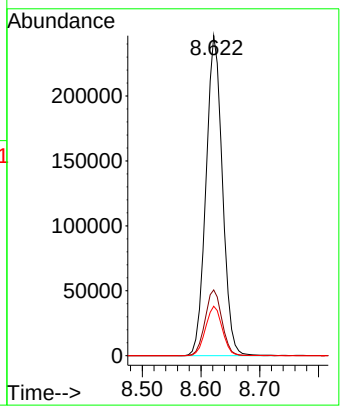


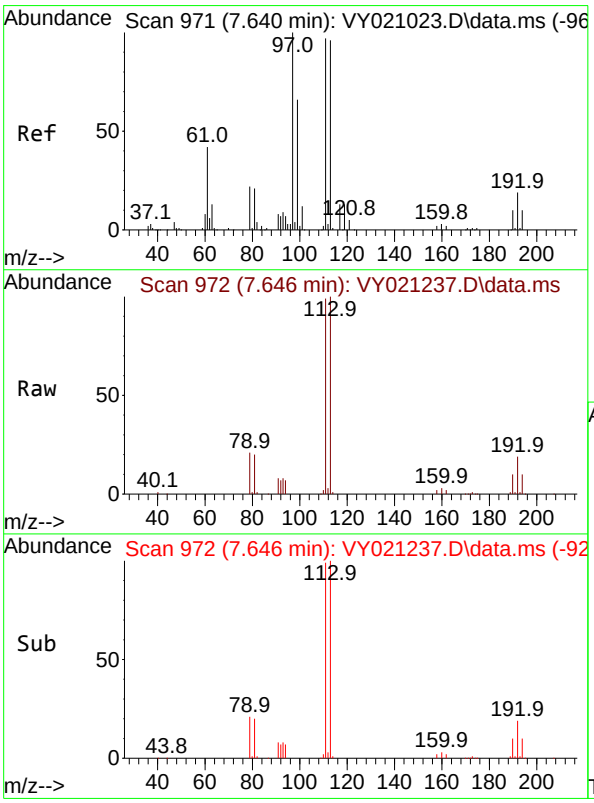
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Tgt Ion:114 Resp: 478949

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	37.4
88	15.5	0.0	29.0

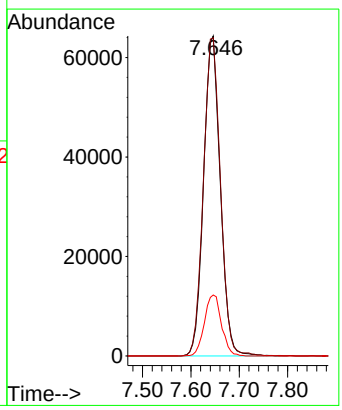


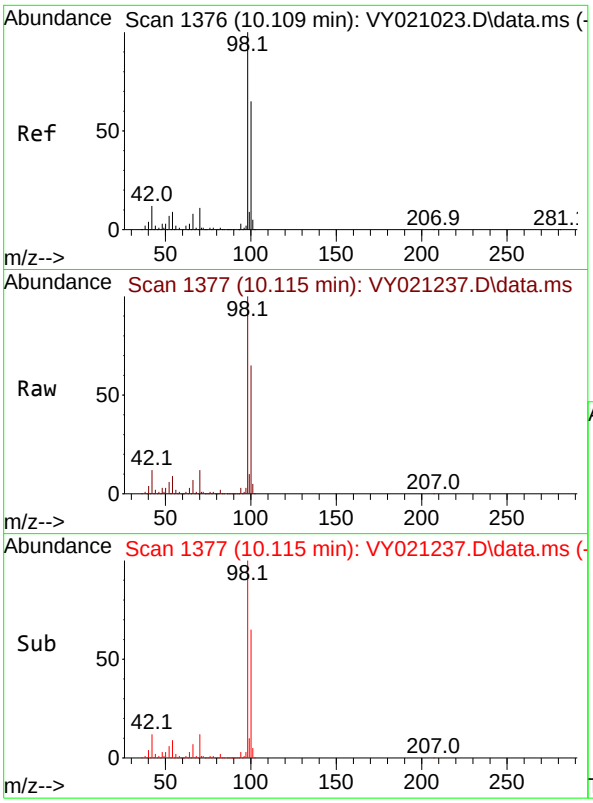


#35
Dibromofluoromethane
Concen: 50.220 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion:113 Resp: 154148

Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.8	125.6
192	19.5	14.5	21.7



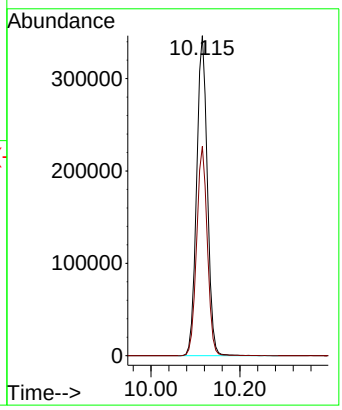


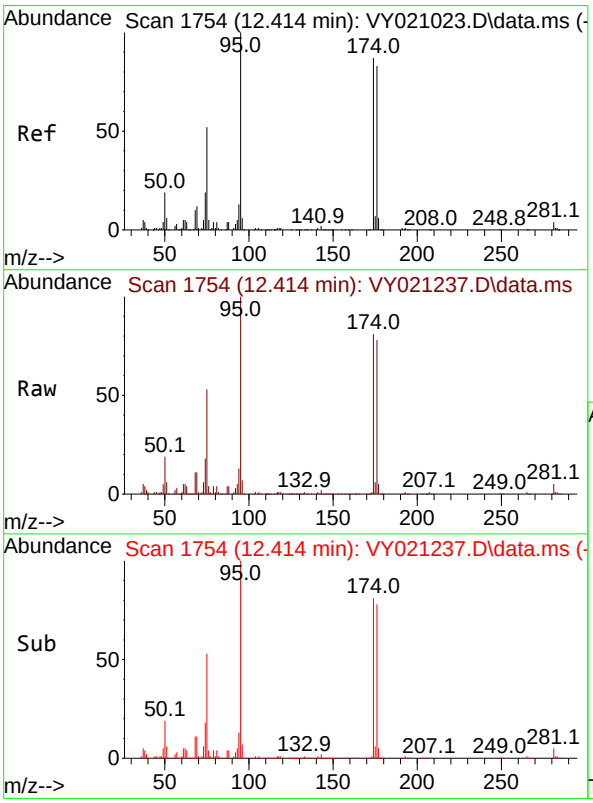
#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Tgt Ion: 98 Resp: 579110

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5

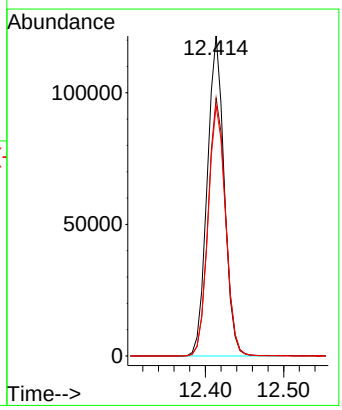


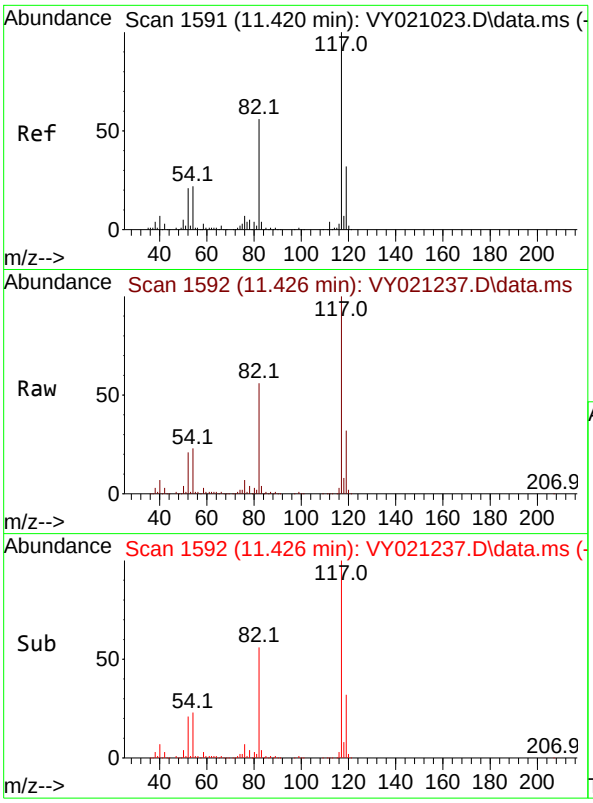


#62
4-Bromofluorobenzene
Concen: 47.782 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion: 95 Resp: 182414

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	160.0
176	80.4	0.0	151.8



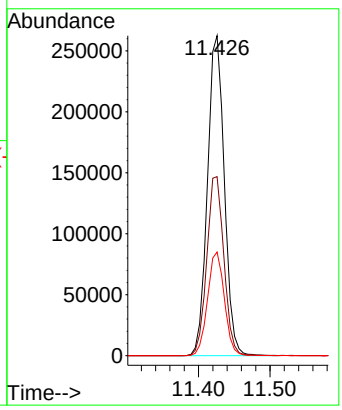


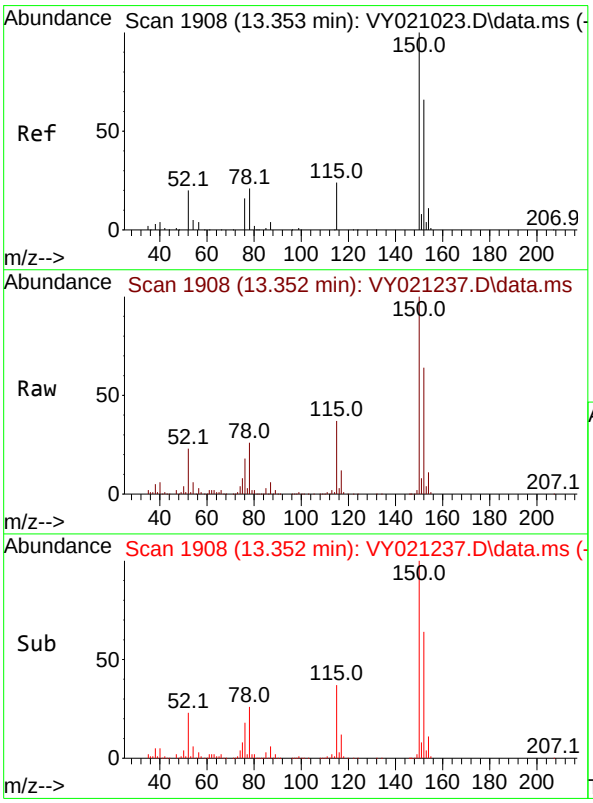
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Tgt Ion:117 Resp: 429832

Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.8	65.8
119	32.4	26.5	39.7

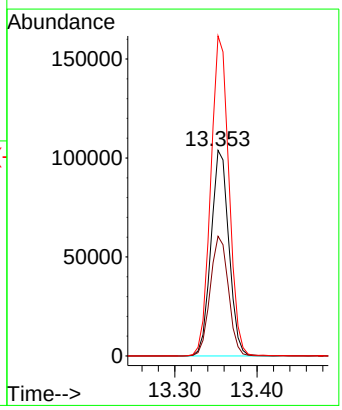




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion:152 Resp: 157077

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.0	90.0
150	158.1	0.0	344.6



Sample Results: **VY021237.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260

Signal : TIC: VY021237.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.896	839	849	860	rBV	13805	43604	2.81%	0.552%
2	7.646	961	972	977	rBV	211553	507601	32.67%	6.424%
3	7.719	977	984	998	rVB	332519	760699	48.96%	9.628%
4	8.067	1028	1041	1061	rBV	174833	423828	27.28%	5.364%
5	8.622	1123	1132	1150	rBV	578540	1131112	72.80%	14.316%
6	10.115	1369	1377	1393	rBV	926436	1553792	100.00%	19.666%
7	10.518	1435	1443	1450	rBV	53886	95976	6.18%	1.215%
8	10.883	1496	1503	1513	rBV2	10500	19408	1.25%	0.246%
9	11.255	1559	1564	1571	rVB	15762	25098	1.62%	0.318%
10	11.426	1584	1592	1604	rBV	817198	1353564	87.11%	17.131%
11	12.414	1747	1754	1767	rBV	631798	1004459	64.65%	12.713%
12	13.353	1902	1908	1926	rVB	640931	981945	63.20%	12.428%

Sum of corrected areas: 7901086

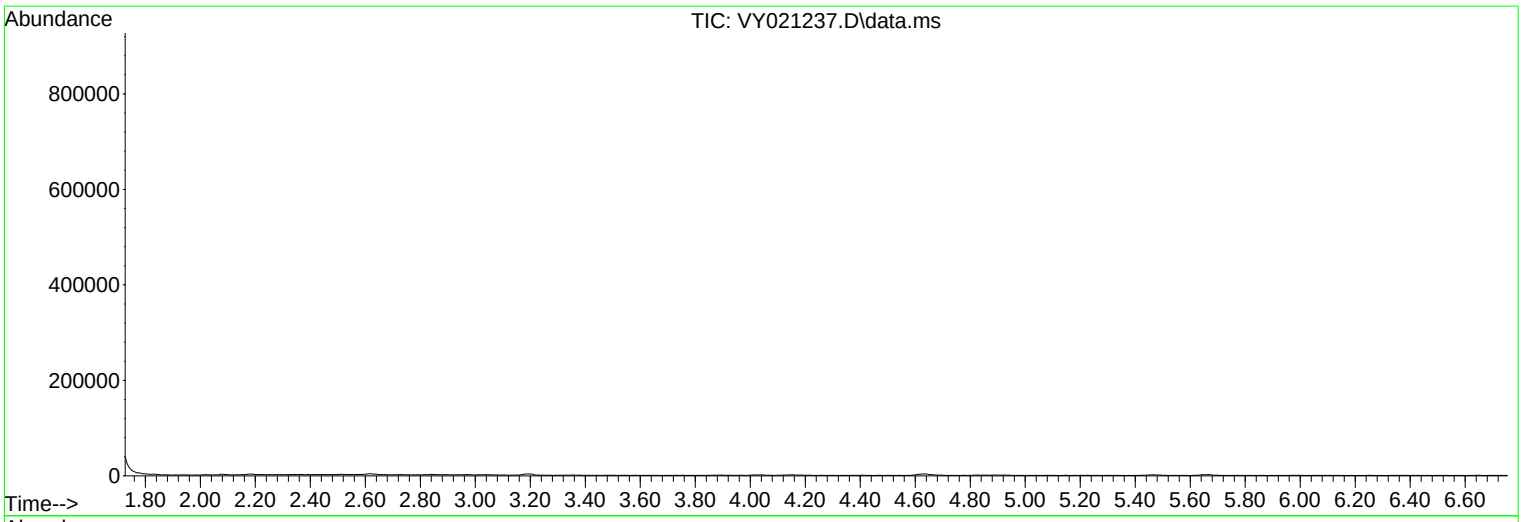
Sample Results: **VY021237.D**

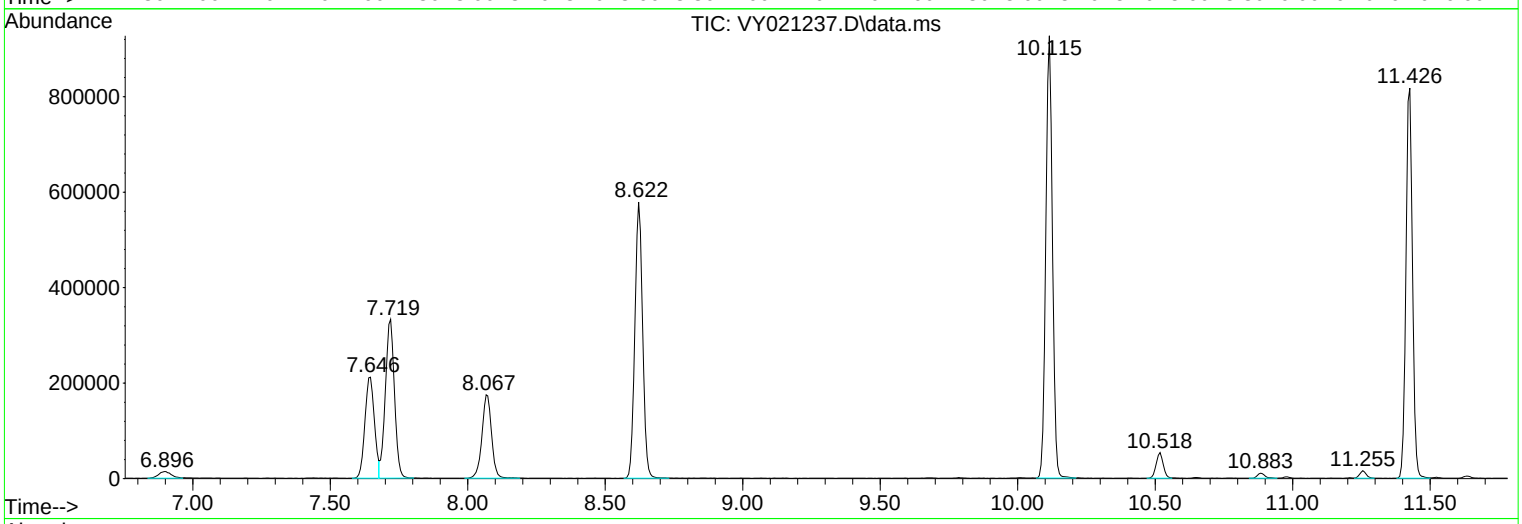
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

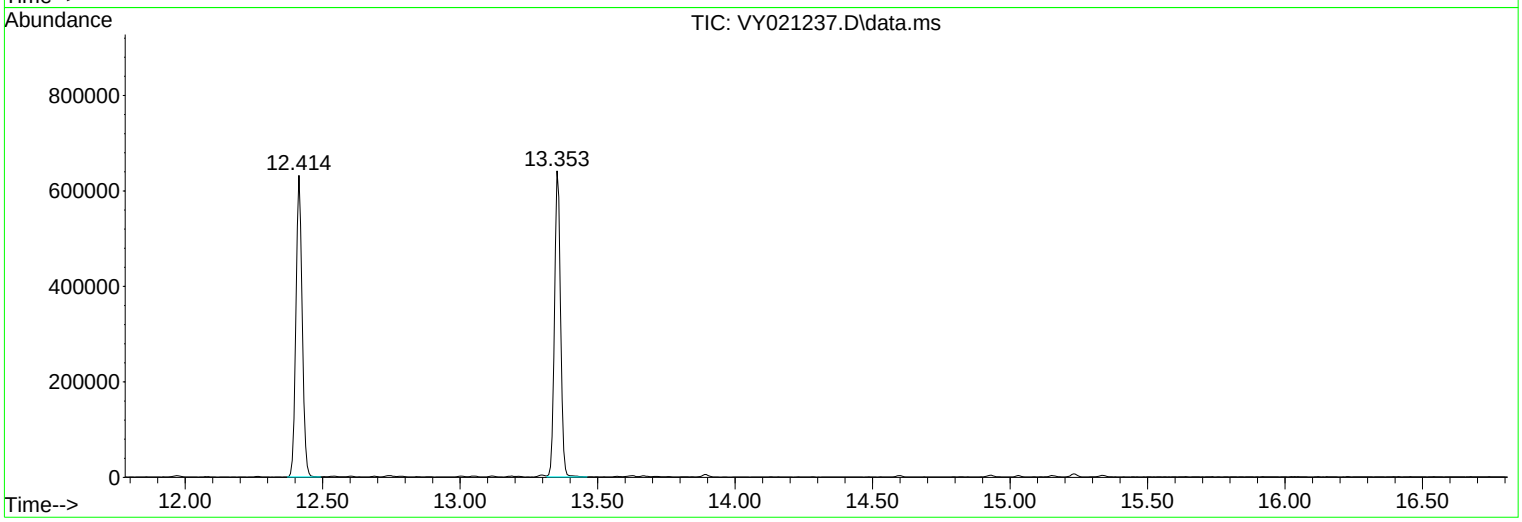
Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0226SBL01	SDG No.:	Q1380
Lab Sample ID:	VY0226SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021321.D	1		02/26/25 10:50	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	2.50	U	1.20	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.77	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.00	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.00	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	0.91	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	6.20	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.30	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.87	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.66	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.56	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	4.40	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.67	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.60	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.57	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.84	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	4.80	12.5	25.0	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0226SBL01	SDG No.:	Q1380
Lab Sample ID:	VY0226SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021321.D	1		02/26/25 10:50	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	2.50	U	0.65	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.62	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.40	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.70	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.60	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.81	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.67	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.10	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	0.80	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	0.59	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		71 - 136		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	251000	7.713				
540-36-3	1,4-Difluorobenzene	484000	8.615				
3114-55-4	Chlorobenzene-d5	470000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	192000	13.346				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Quant Time: Feb 27 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

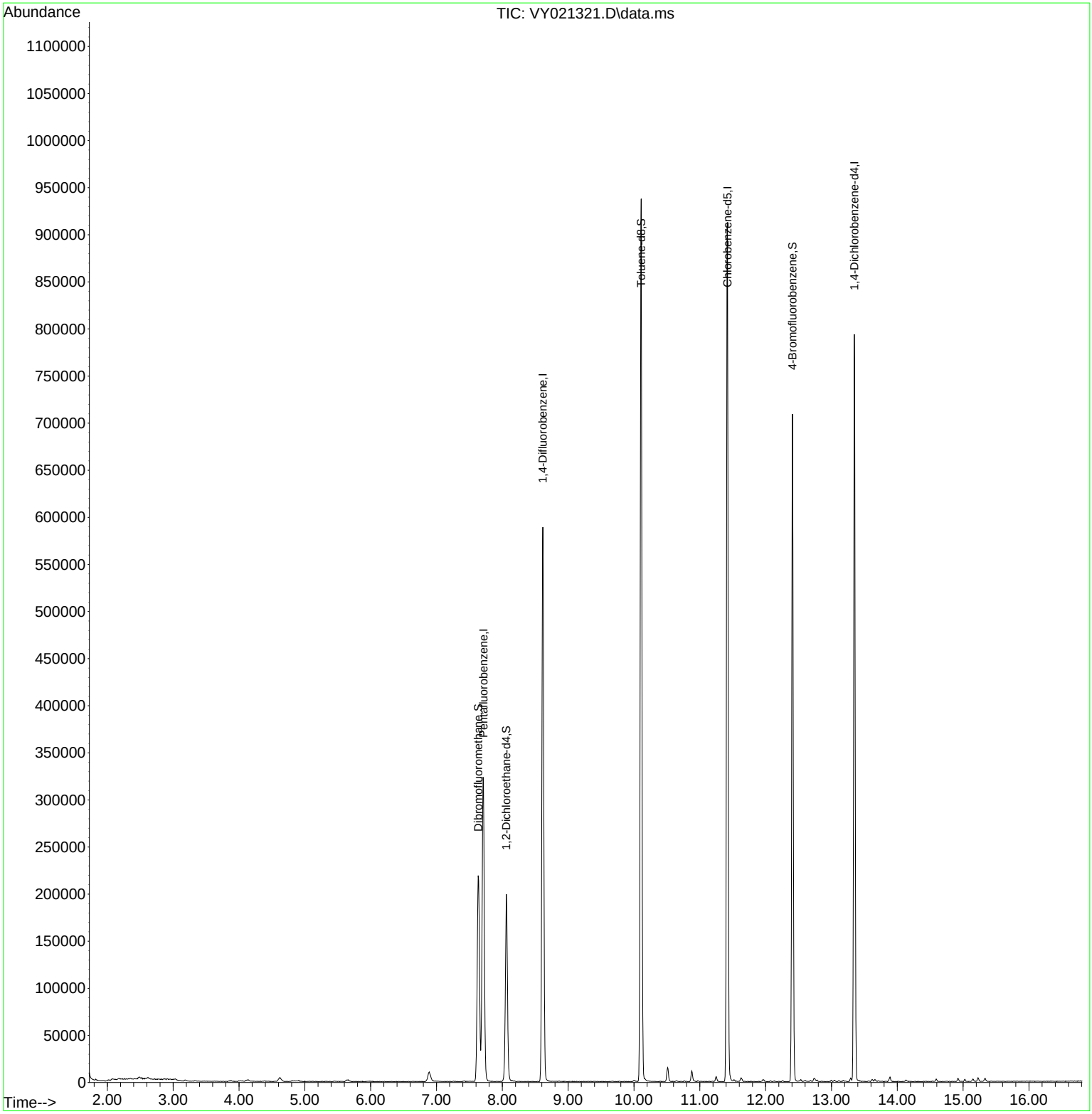
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	251129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	483695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	470141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	192201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151228	53.084	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.160%			
35) Dibromofluoromethane	7.634	113	156988	49.505	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.020%			
50) Toluene-d8	10.109	98	601618	49.089	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.180%			
62) 4-Bromofluorobenzene	12.407	95	206622	50.096	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.200%			
Target Compounds						Qvalue

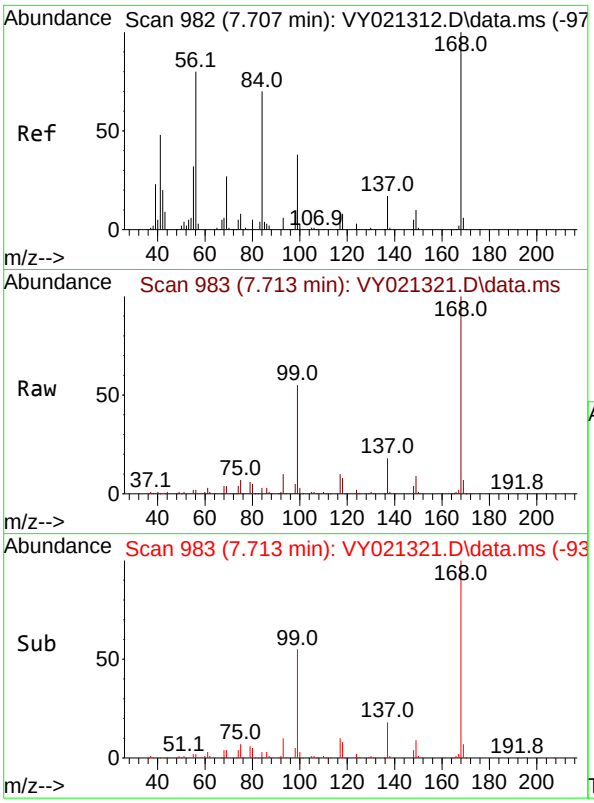
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Quant Time: Feb 27 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



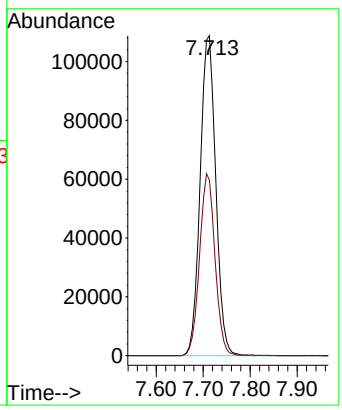


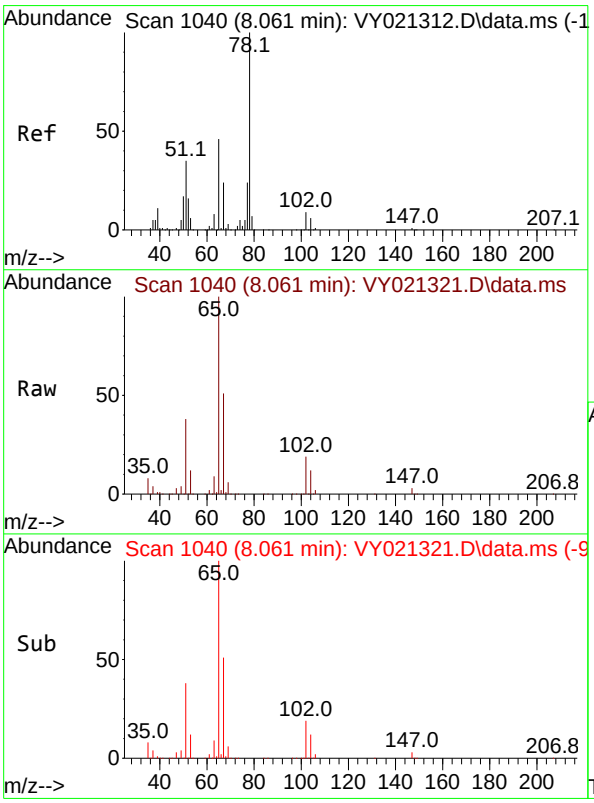
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion:168 Resp: 251129

Ion	Ratio	Lower	Upper
168	100		
99	54.9	47.1	70.7

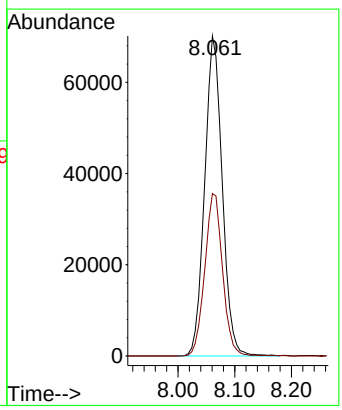


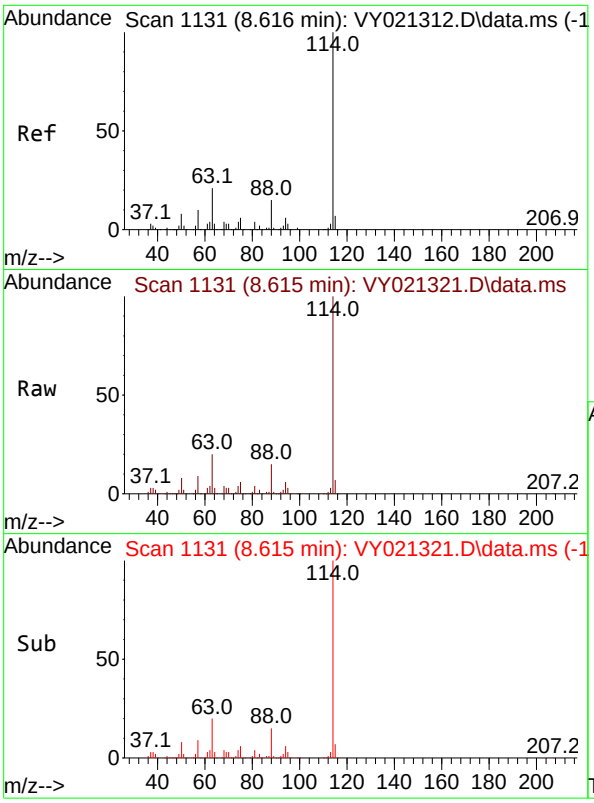


#33
1,2-Dichloroethane-d4
Concen: 53.084 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion: 65 Resp: 151228

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6



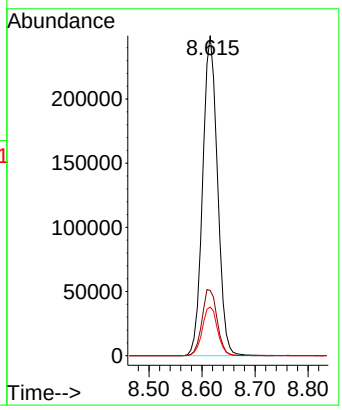


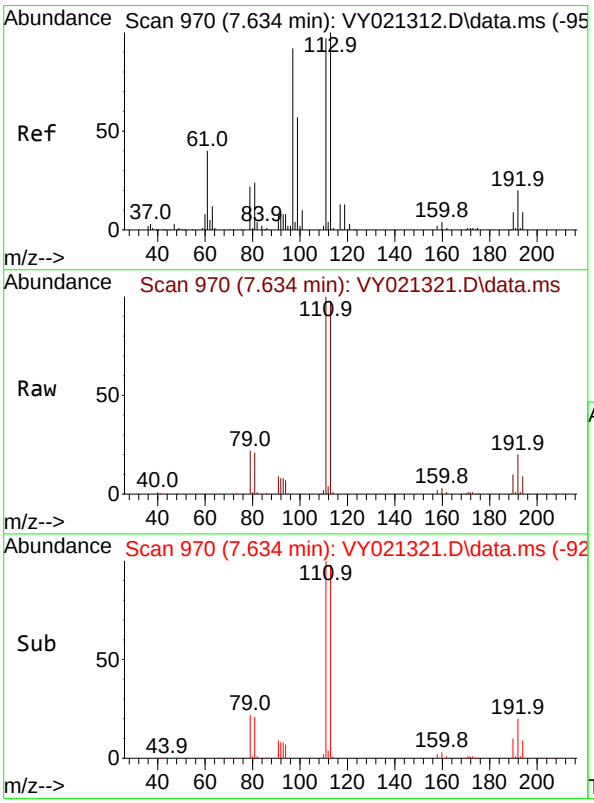
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion:114 Resp: 483695

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.2
88	15.2	0.0	29.8

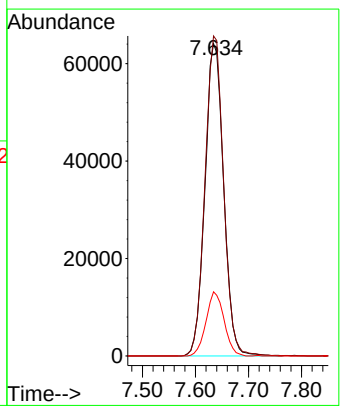


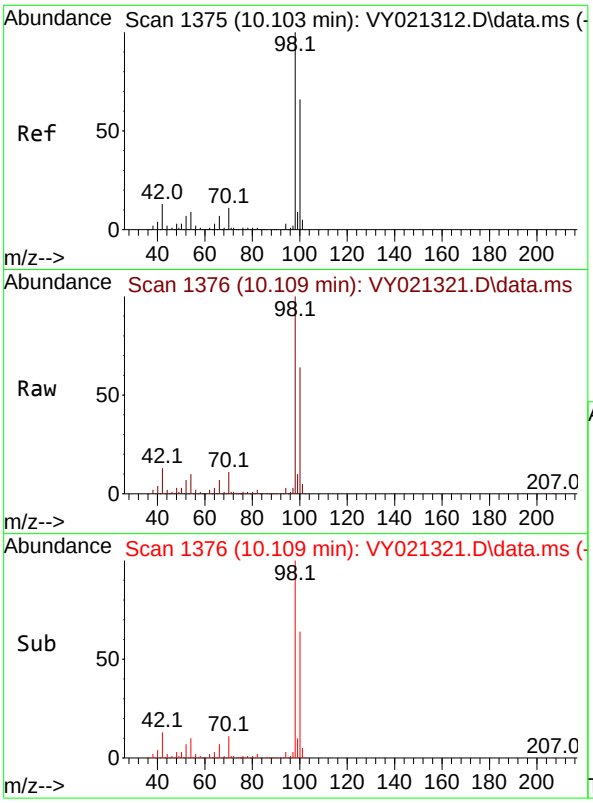


#35
Dibromofluoromethane
Concen: 49.505 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion:113 Resp: 156988

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.6
192	19.8	15.8	23.8



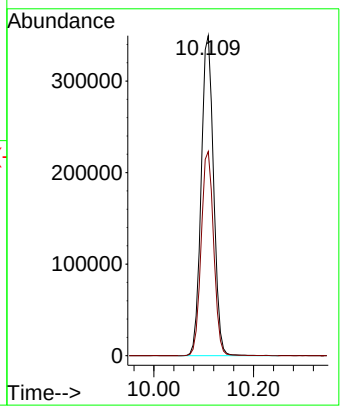


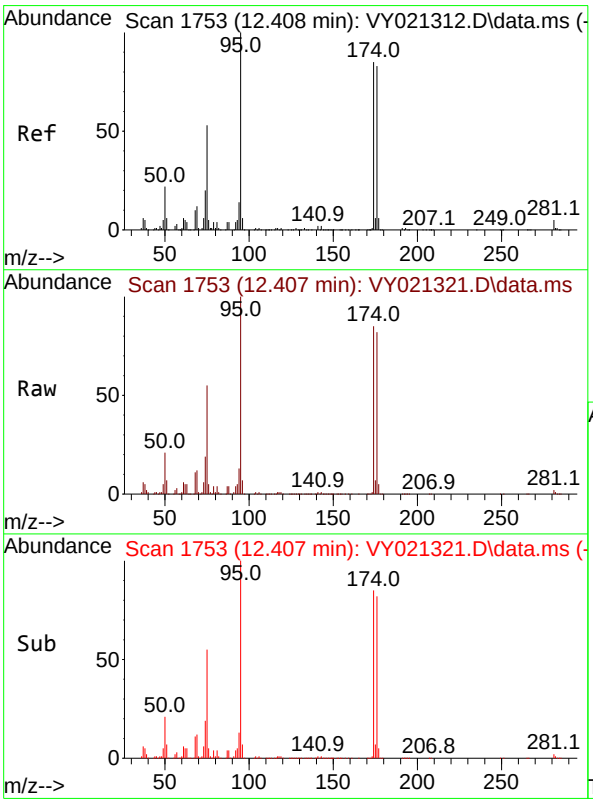
#50
Toluene-d8
Concen: 49.089 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion: 98 Resp: 601618

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.4	78.6

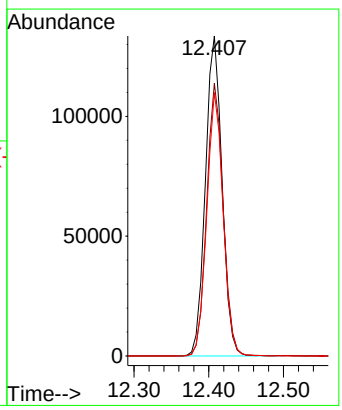


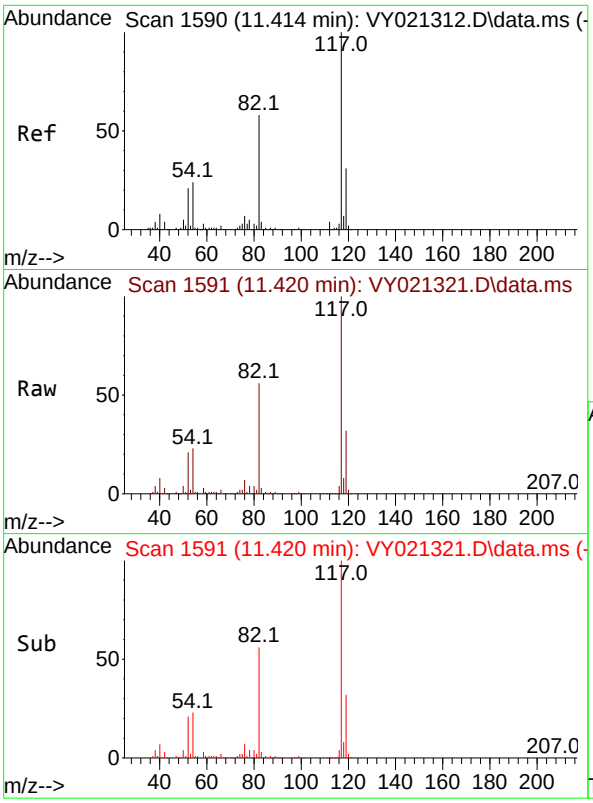


#62
4-Bromofluorobenzene
Concen: 50.096 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion: 95 Resp: 206622

Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	168.0
176	80.7	0.0	162.6



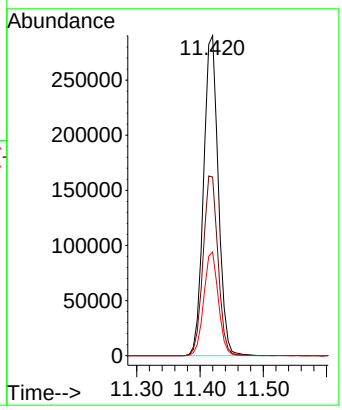


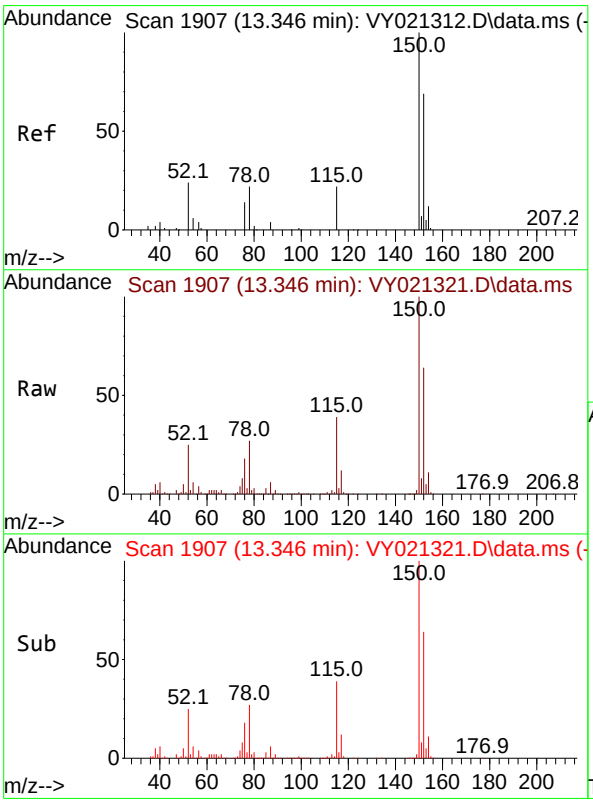
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion:117 Resp: 470141

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.2	69.4
119	32.4	24.9	37.3

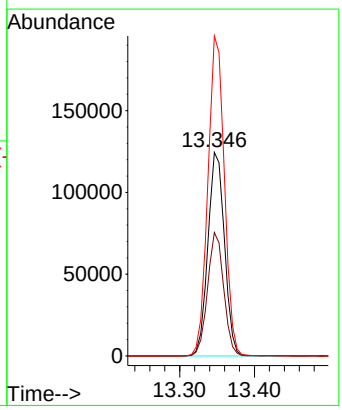




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion:152 Resp: 192201

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	156.2	0.0	347.4



Sample Results: **VY021321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

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

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

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

Signal : TIC: VY021321.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	837	848	858	rBV	10339	32583	2.00%	0.388%
2	7.634	959	970	976	rBV	218621	526717	32.34%	6.272%
3	7.707	976	982	995	rVB	322770	750354	46.06%	8.935%
4	8.061	1027	1040	1053	rBV	199017	436262	26.78%	5.195%
5	8.615	1121	1131	1146	rBV	588653	1157316	71.05%	13.781%
6	10.109	1368	1376	1393	rBV	937010	1628919	100.00%	19.397%
7	10.511	1434	1442	1451	rVB2	14814	27683	1.70%	0.330%
8	10.877	1496	1502	1512	rVB	11354	19861	1.22%	0.237%
9	11.420	1583	1591	1603	rBV	912084	1502567	92.24%	17.893%
10	12.407	1746	1753	1765	rBV	708516	1114080	68.39%	13.266%
11	13.346	1901	1907	1918	rVB	792294	1201379	73.75%	14.306%

Sum of corrected areas: 8397721

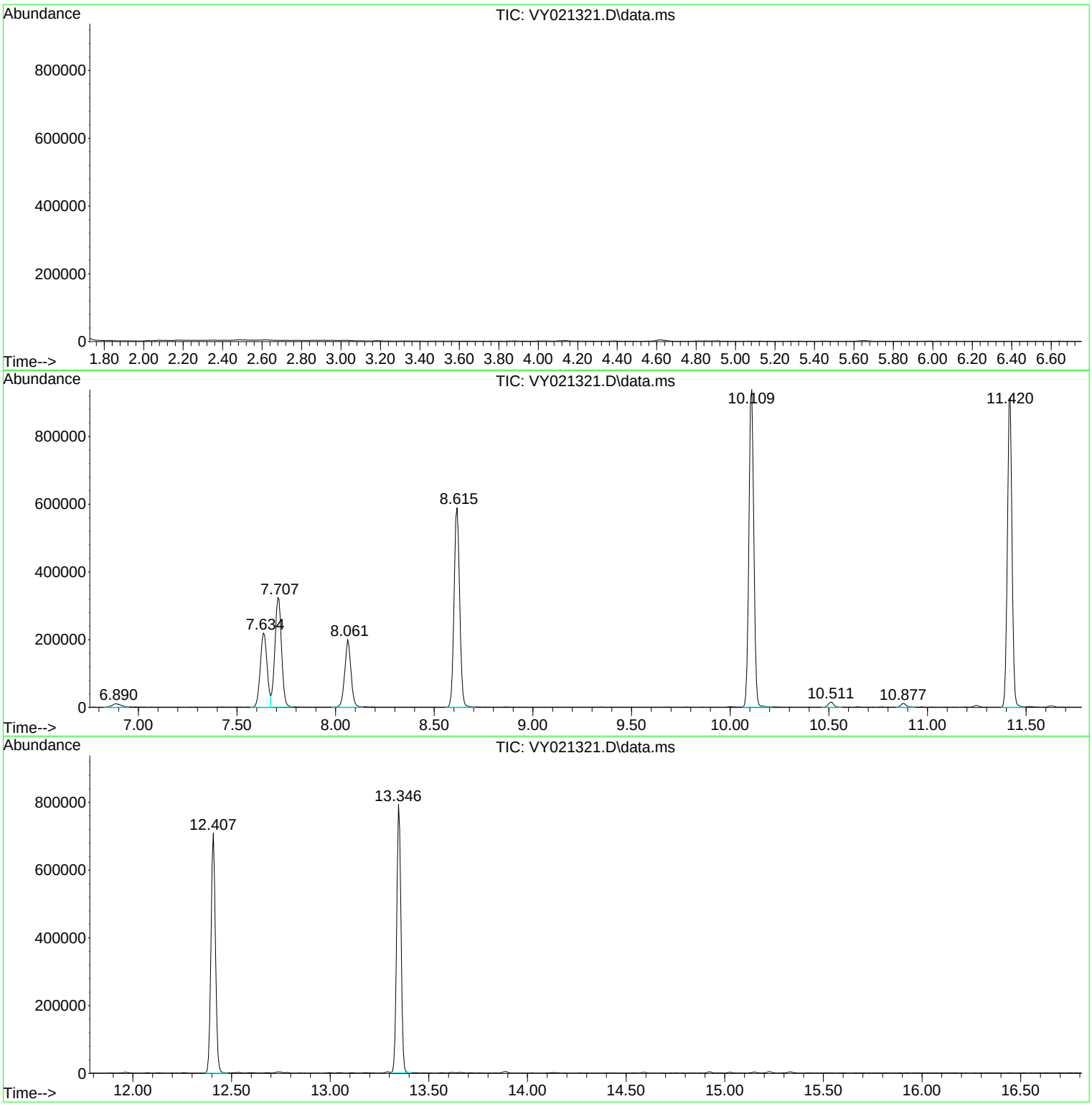
Sample Results: **VY021321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

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

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VN0219WBS01	SDG No.:	Q1380
Lab Sample ID:	VN0219WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085785.D	1		02/19/25 12:49	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.2		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	93.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.8		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	16.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.7		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	89.6		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	17.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.5		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.1		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.2		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.0		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.6		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	94.1		1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VN0219WBS01	SDG No.:	Q1380
Lab Sample ID:	VN0219WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085785.D	1		02/19/25 12:49	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.7		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.3		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.8		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	16.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.8		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.5		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	54.8		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	318000	8.218				
540-36-3	1,4-Difluorobenzene	521000	9.094				
3114-55-4	Chlorobenzene-d5	448000	11.859				
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.788				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	317605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	521252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	448364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	217012	52.703	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.400%			
35) Dibromofluoromethane	8.159	113	178920	52.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	10.559	98	680181	54.811	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.620%			
62) 4-Bromofluorobenzene	12.841	95	229130	56.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	77696	17.985	ug/l	98
3) Chloromethane	2.365	50	74591	17.207	ug/l	97
4) Vinyl Chloride	2.518	62	79041	17.221	ug/l	95
5) Bromomethane	2.971	94	50468	17.196	ug/l	93
6) Chloroethane	3.130	64	51535	16.951	ug/l	100
7) Trichlorofluoromethane	3.506	101	113556	17.088	ug/l	99
8) Diethyl Ether	3.959	74	37608	17.491	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	67904	17.677	ug/l	98
10) Methyl Iodide	4.589	142	84017	17.744	ug/l	96
11) Tert butyl alcohol	5.506	59	40814	80.590	ug/l	99
12) 1,1-Dichloroethene	4.342	96	60676	17.421	ug/l	91
13) Acrolein	4.177	56	67140	89.399	ug/l	97
14) Allyl chloride	5.024	41	82249	17.986	ug/l	96
15) Acrylonitrile	5.712	53	139892	84.969	ug/l	98
16) Acetone	4.424	43	122165	93.764	ug/l	100
17) Carbon Disulfide	4.712	76	173167	16.776	ug/l	100
18) Methyl Acetate	5.018	43	73093	16.311	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	185025	17.877	ug/l	99
20) Methylene Chloride	5.271	84	70470	16.819	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	63776	17.005	ug/l	99
22) Diisopropyl ether	6.665	45	195801	18.949	ug/l	99
23) Vinyl Acetate	6.594	43	625121	88.357	ug/l	99
24) 1,1-Dichloroethane	6.565	63	124228	17.686	ug/l	99
25) 2-Butanone	7.477	43	171689	89.571	ug/l	99
26) 2,2-Dichloropropane	7.483	77	107312	17.181	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	76419	17.574	ug/l	98
28) Bromochloromethane	7.812	49	54654	18.931	ug/l	96
29) Tetrahydrofuran	7.836	42	109999	88.869	ug/l	98
30) Chloroform	7.965	83	128179	17.462	ug/l	97
31) Cyclohexane	8.253	56	102328	17.399	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	113950	17.453	ug/l	96
36) 1,1-Dichloropropene	8.365	75	87987	18.227	ug/l	99
37) Ethyl Acetate	7.553	43	67250	16.929	ug/l #	79
38) Carbon Tetrachloride	8.359	117	100587	17.537	ug/l	97
39) Methylcyclohexane	9.600	83	88477	18.657	ug/l	98
40) Benzene	8.600	78	280766	18.147	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	39017	18.373	ug/l		99
42) 1,2-Dichloroethane	8.665	62	89245	17.709	ug/l		100
43) Isopropyl Acetate	8.683	43	120724	16.955	ug/l		99
44) Trichloroethene	9.347	130	65573	17.262	ug/l		99
45) 1,2-Dichloropropane	9.618	63	66592	17.831	ug/l		98
46) Dibromomethane	9.706	93	47875	18.174	ug/l		99
47) Bromodichloromethane	9.882	83	99356	17.629	ug/l		98
48) Methyl methacrylate	9.677	41	52986	17.960	ug/l		98
49) 1,4-Dioxane	9.688	88	19426	346.260	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	341491	89.161	ug/l		99
52) Toluene	10.624	92	171977	18.963	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	96745	18.564	ug/l		93
54) cis-1,3-Dichloropropene	10.306	75	105862	18.525	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	64242	17.816	ug/l		95
56) Ethyl methacrylate	10.871	69	85337	18.049	ug/l		97
57) 1,3-Dichloropropane	11.159	76	106816	17.745	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	201570	116.421	ug/l		99
59) 2-Hexanone	11.188	43	247868	94.072	ug/l		99
60) Dibromochloromethane	11.353	129	76437	18.204	ug/l		97
61) 1,2-Dibromoethane	11.465	107	61951	18.184	ug/l		99
64) Tetrachloroethene	11.100	164	62687	18.047	ug/l		96
65) Chlorobenzene	11.882	112	184006	17.914	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.953	131	66036	17.887	ug/l		99
67) Ethyl Benzene	11.959	91	302618	18.808	ug/l		99
68) m/p-Xylenes	12.065	106	237487	38.858	ug/l		100
69) o-Xylene	12.394	106	110947	19.104	ug/l		98
70) Styrene	12.406	104	186581	18.723	ug/l		100
71) Bromoform	12.570	173	50314	18.341	ug/l	#	95
73) Isopropylbenzene	12.688	105	276962	18.836	ug/l		99
74) N-amyl acetate	12.488	43	93083	17.952	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	83784	16.559	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	84684m	17.762	ug/l		
77) Bromobenzene	12.976	156	72364	18.216	ug/l		98
78) n-propylbenzene	13.029	91	334808	19.882	ug/l		100
79) 2-Chlorotoluene	13.118	91	209179	18.592	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	237981	19.868	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	27278	16.694	ug/l		97
82) 4-Chlorotoluene	13.218	91	211210	18.936	ug/l		100
83) tert-Butylbenzene	13.435	119	196815	19.540	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	238828	20.154	ug/l		99
85) sec-Butylbenzene	13.612	105	279259	19.623	ug/l		99
86) p-Isopropyltoluene	13.723	119	232973	19.175	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	132661	17.824	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	133326	17.478	ug/l		98
89) n-Butylbenzene	14.053	91	189182	18.724	ug/l		98
90) Hexachloroethane	14.329	117	46657	17.311	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	125196	17.493	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14872	16.006	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	59852	17.550	ug/l		100
94) Hexachlorobutadiene	15.494	225	35118	16.944	ug/l		99
95) Naphthalene	15.635	128	150740	16.100	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	58155	16.986	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 02/20/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
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Instrument :
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ClientSampleId :
VN0219WBS01

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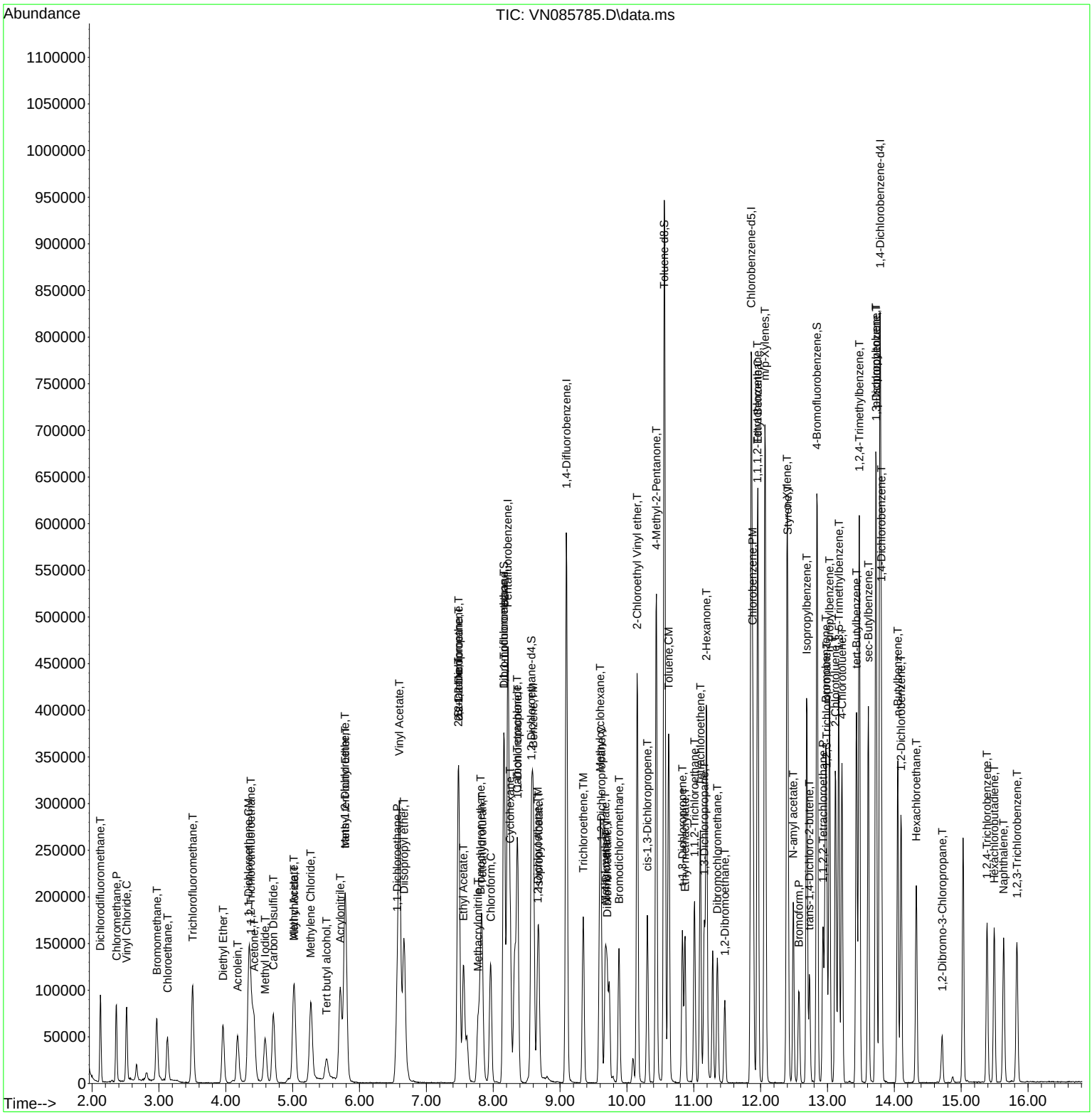
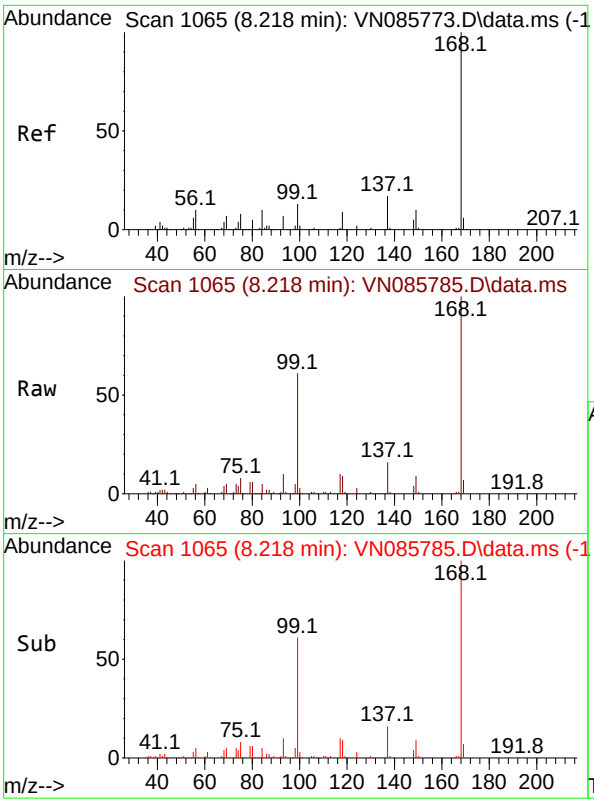
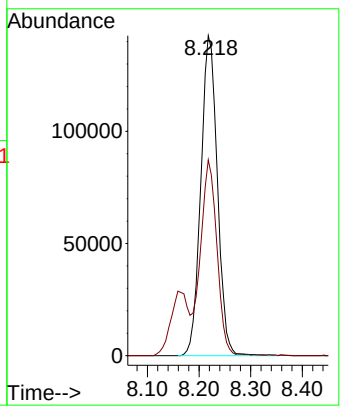




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:168 Resp: 31760

Ion	Ratio	Lower	Upper
168	100		
99	61.1	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
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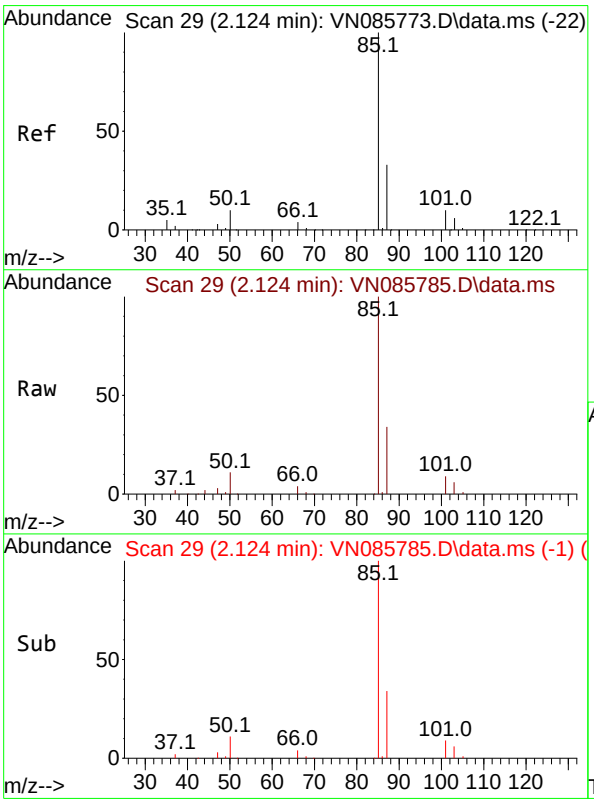
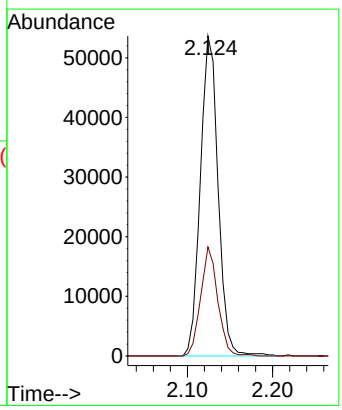
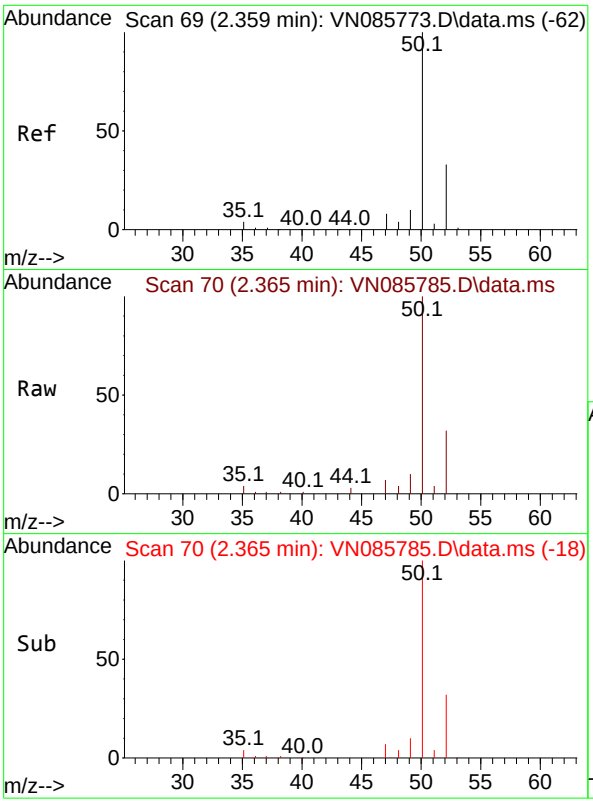


#2
Dichlorodifluoromethane
Concen: 17.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 85 Resp: 77696

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.4	49.2

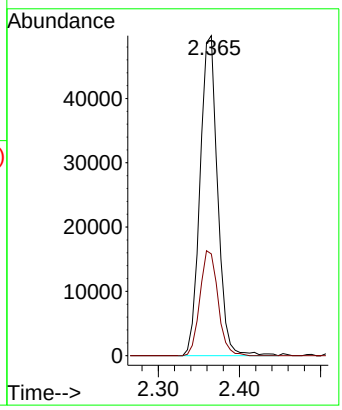




#3
Chloromethane
Concen: 17.207 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 50 Resp: 7459

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.7	40.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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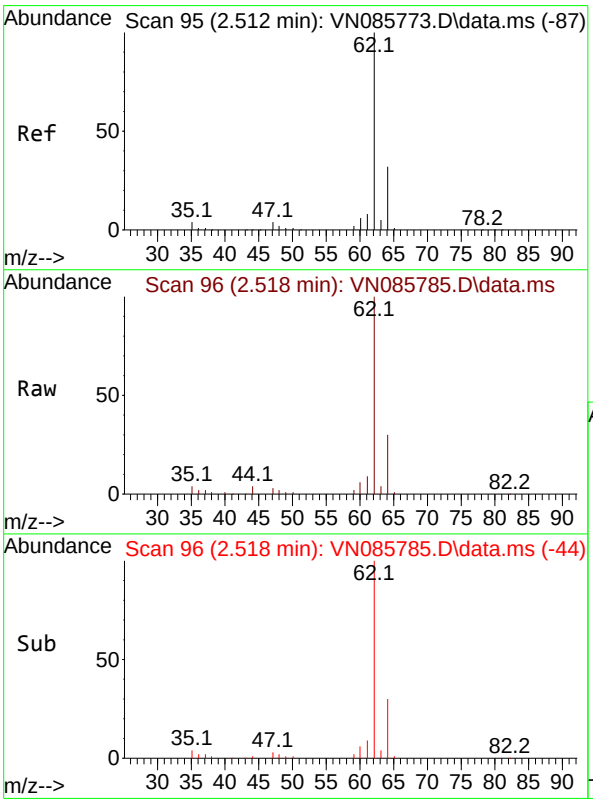
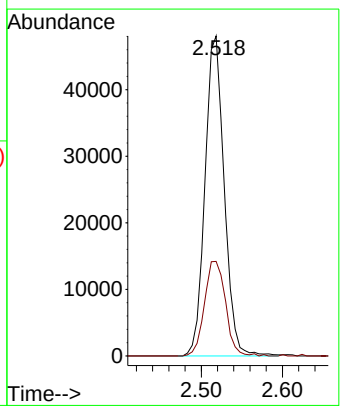
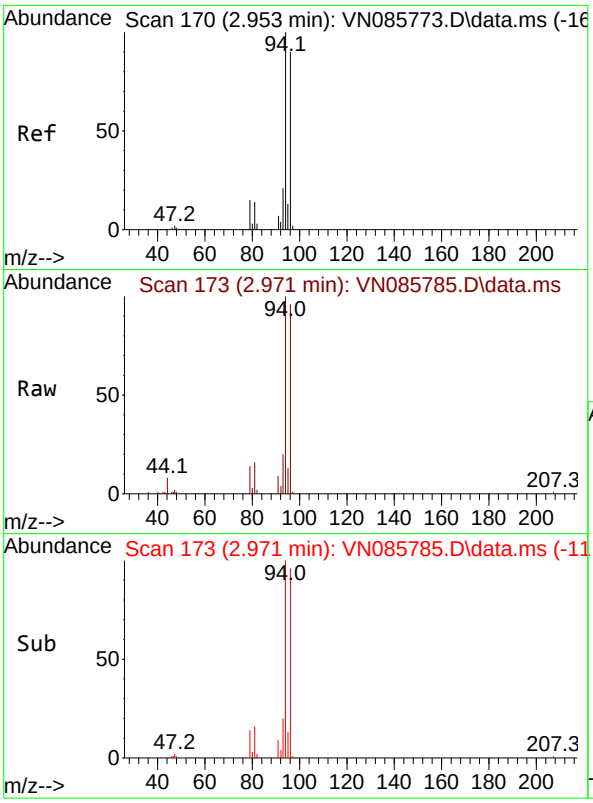


#4
Vinyl Chloride
Concen: 17.221 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 62 Resp: 79041

Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.9	38.9

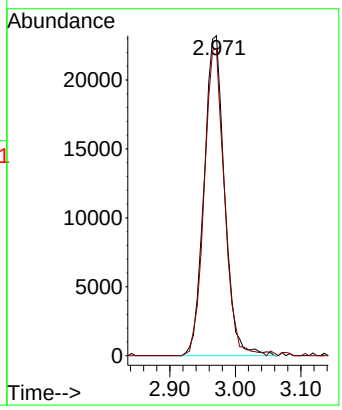




#5
Bromomethane
Concen: 17.196 ug/l
RT: 2.971 min Scan# 1
Delta R.T. 0.018 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 94 Resp: 5046

Ion	Ratio	Lower	Upper
94	100		
96	96.0	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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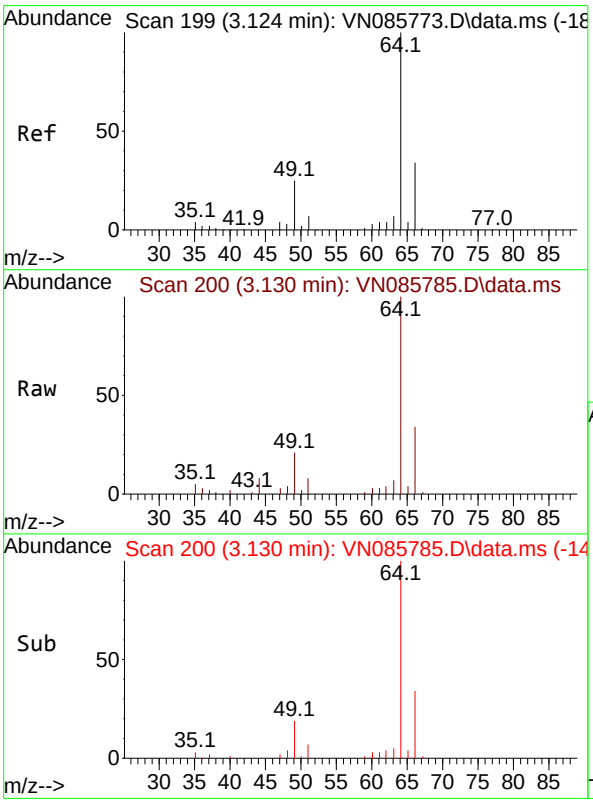
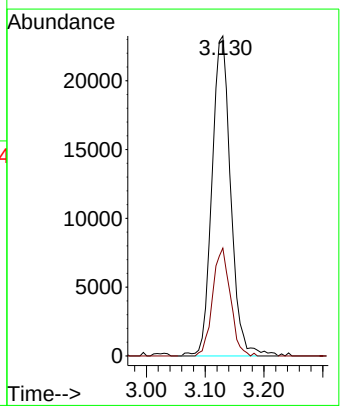
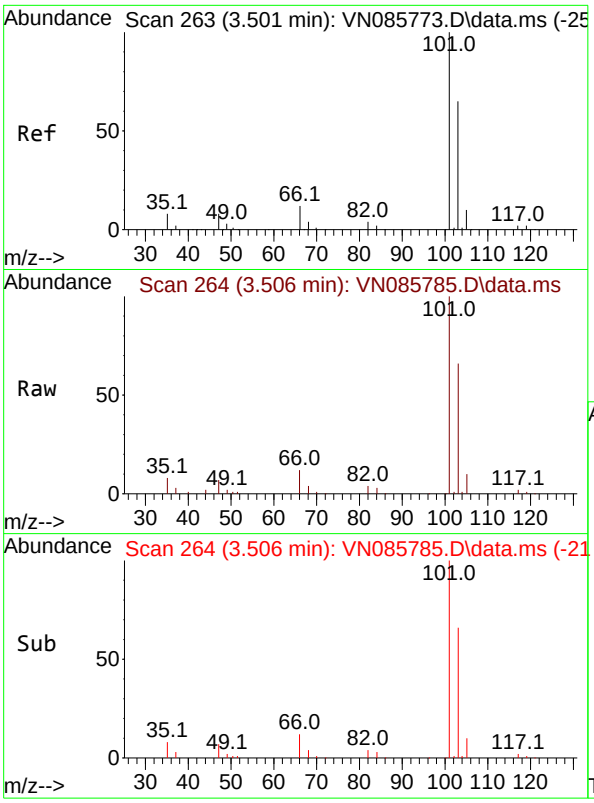


#6
Chloroethane
Concen: 16.951 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 64 Resp: 51535

Ion	Ratio	Lower	Upper
64	100		
66	33.7	27.0	40.6





#7
Trichlorofluoromethane
Concen: 17.088 ug/l
RT: 3.506 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:101 Resp: 11355

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.2	78.4

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
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Reviewed By :John Carlone 02/20/2025
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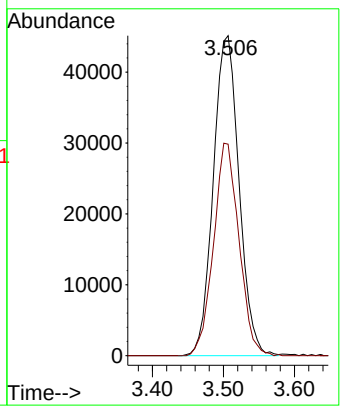
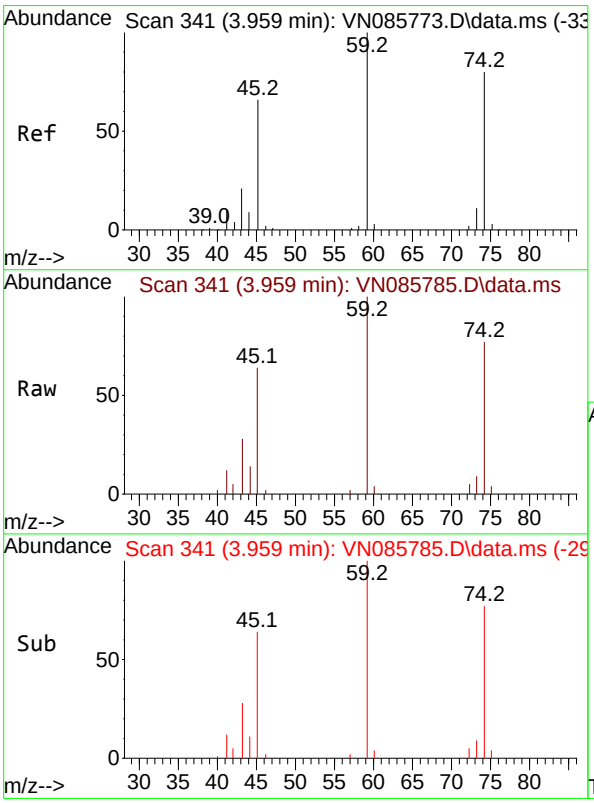
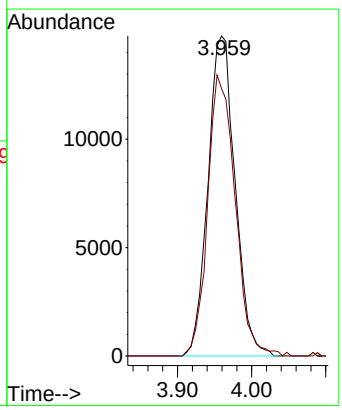


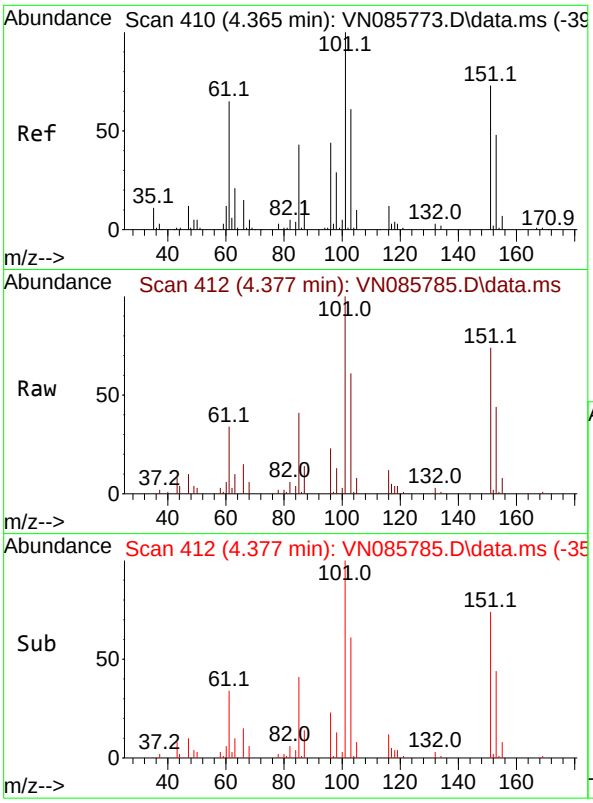


#8
Diethyl Ether
Concen: 17.491 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 74 Resp: 37608

Ion	Ratio	Lower	Upper
74	100		
45	88.8	42.5	127.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.677 ug/l
RT: 4.377 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:101 Resp: 6790

Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.7	53.5
151	75.3	61.4	92.2

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
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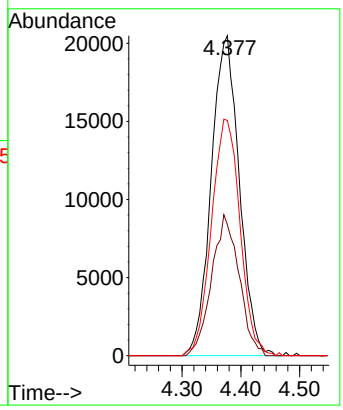
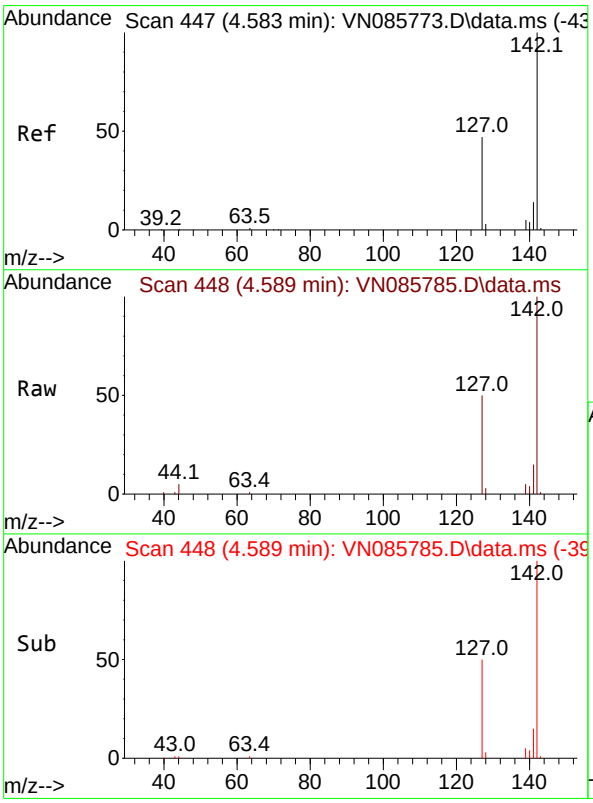
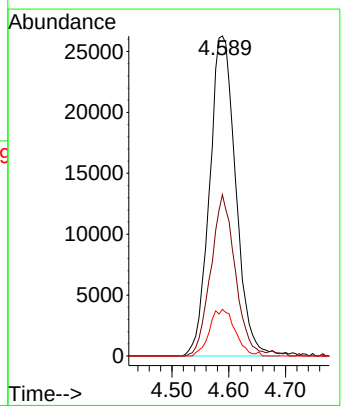


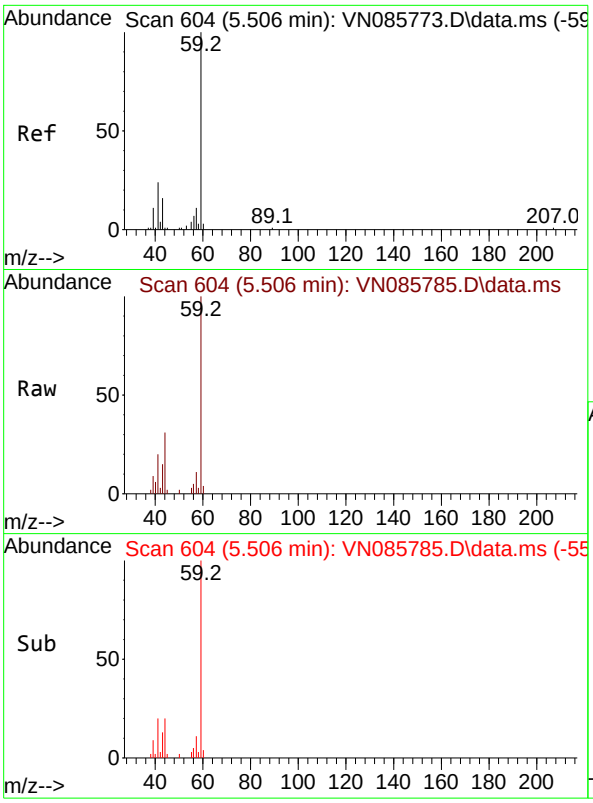


#10
Methyl Iodide
Concen: 17.744 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:142 Resp: 84017

Ion	Ratio	Lower	Upper
142	100		
127	50.4	37.6	56.4
141	14.5	11.4	17.2

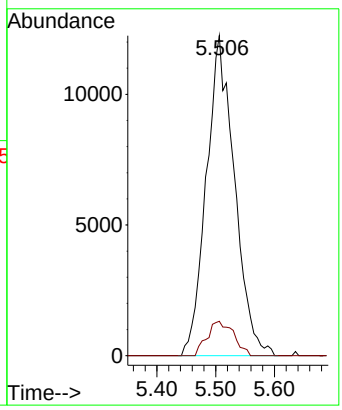




#11
Tert butyl alcohol
Concen: 80.590 ug/l
RT: 5.506 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 59 Resp: 4081

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
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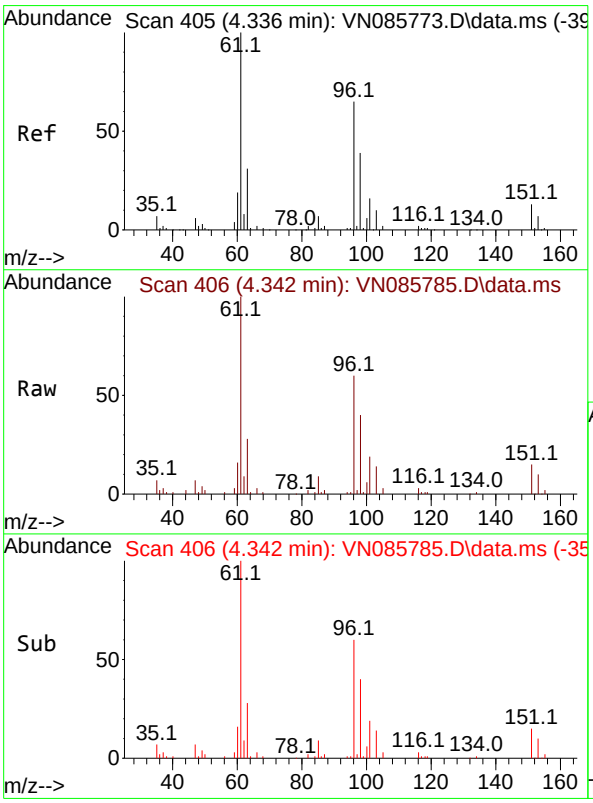
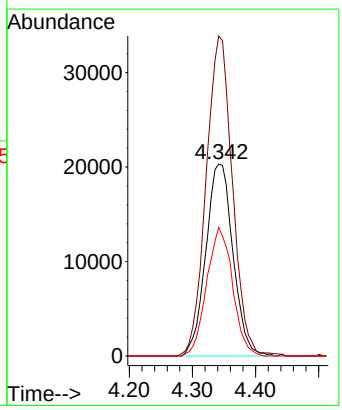
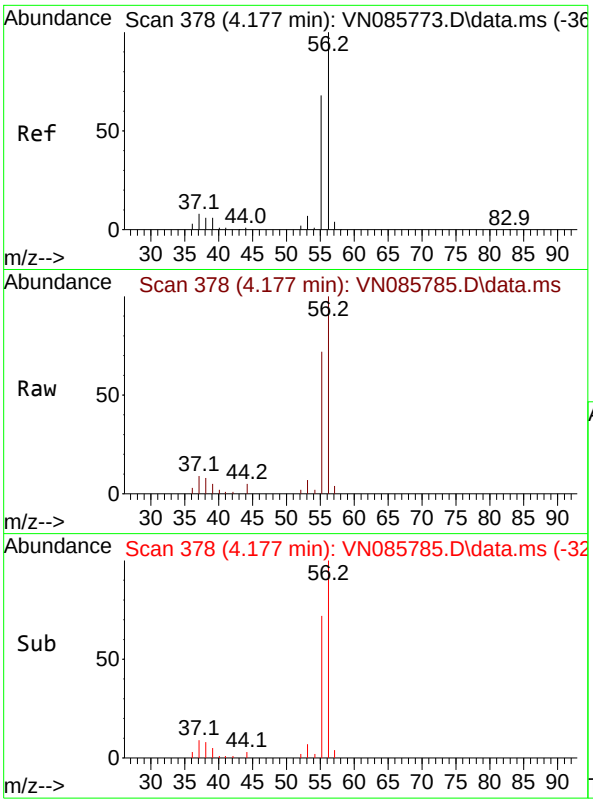


#12
1,1-Dichloroethene
Concen: 17.421 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 96 Resp: 60676

Ion	Ratio	Lower	Upper
96	100		
61	166.7	123.3	184.9
98	67.0	48.6	72.8

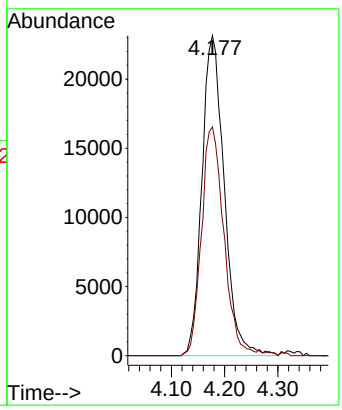




#13
Acrolein
Concen: 89.399 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 56 Resp: 6714

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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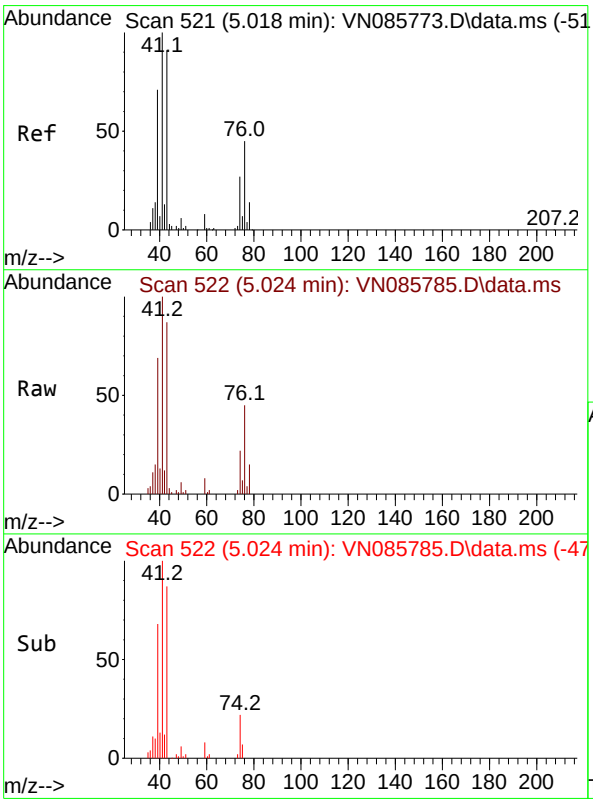
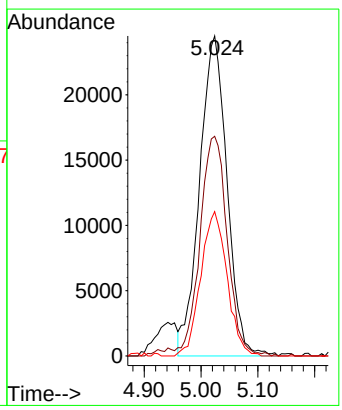
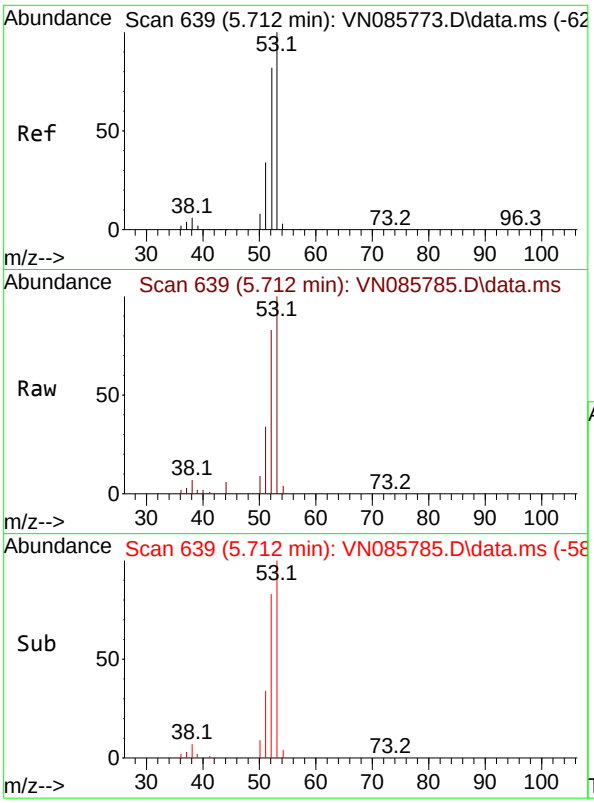


#14
Allyl chloride
Concen: 17.986 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 41 Resp: 82249

Ion	Ratio	Lower	Upper
41	100		
39	68.1	57.4	86.2
76	43.3	36.2	54.2





#15
Acrylonitrile
Concen: 84.969 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 53 Resp: 13989

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.8	98.6
51	34.0	28.6	42.8

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
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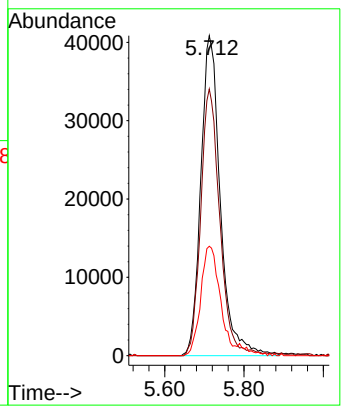
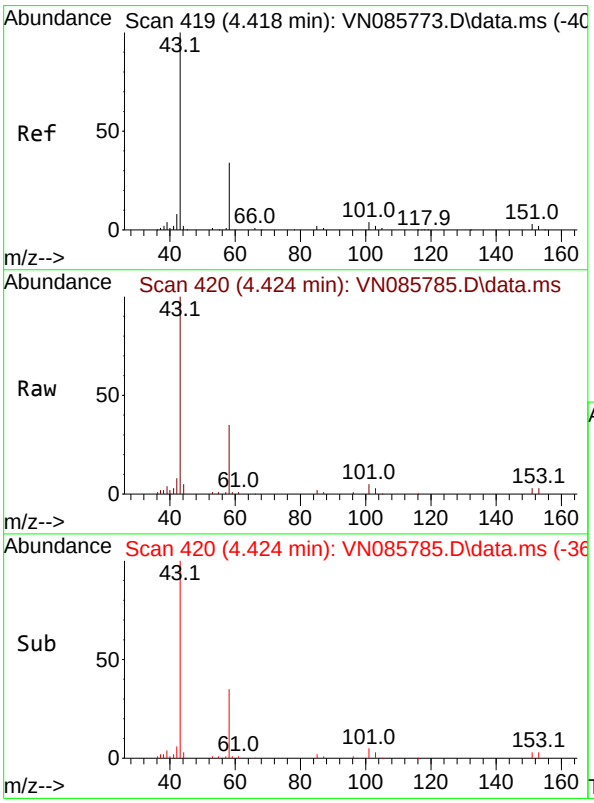
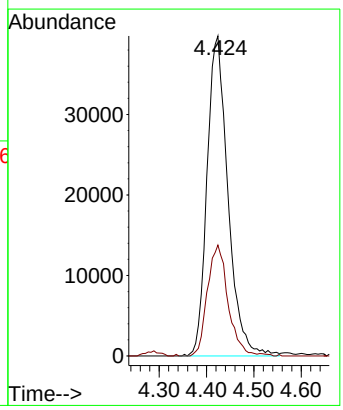


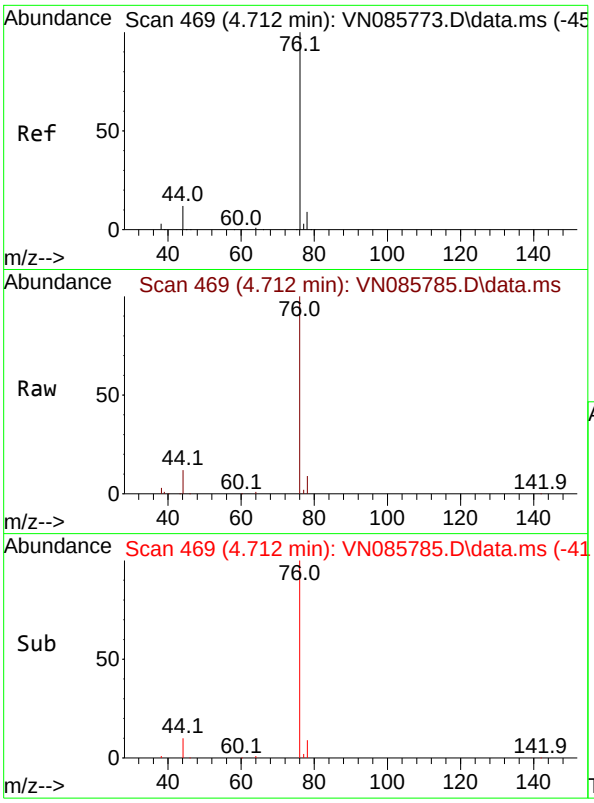


#16
Acetone
Concen: 93.764 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 122165

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.5	41.3

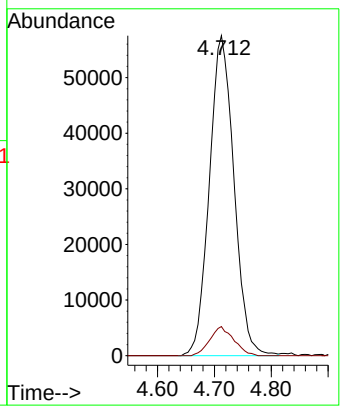




#17
Carbon Disulfide
Concen: 16.776 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 76 Resp: 17316

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0



Instrument :
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ClientSampleId :
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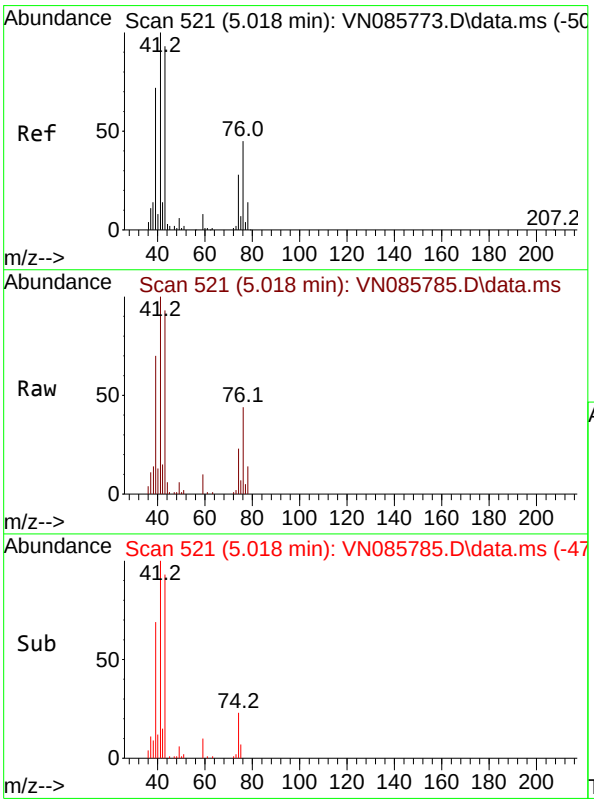
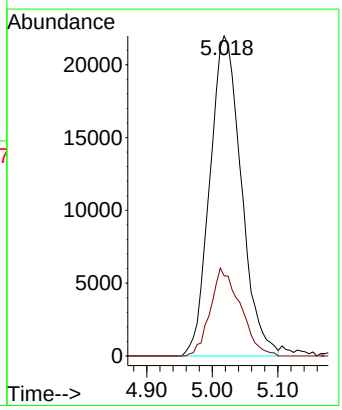
Supervised By :Mahesh Dadoda 02/20/2025

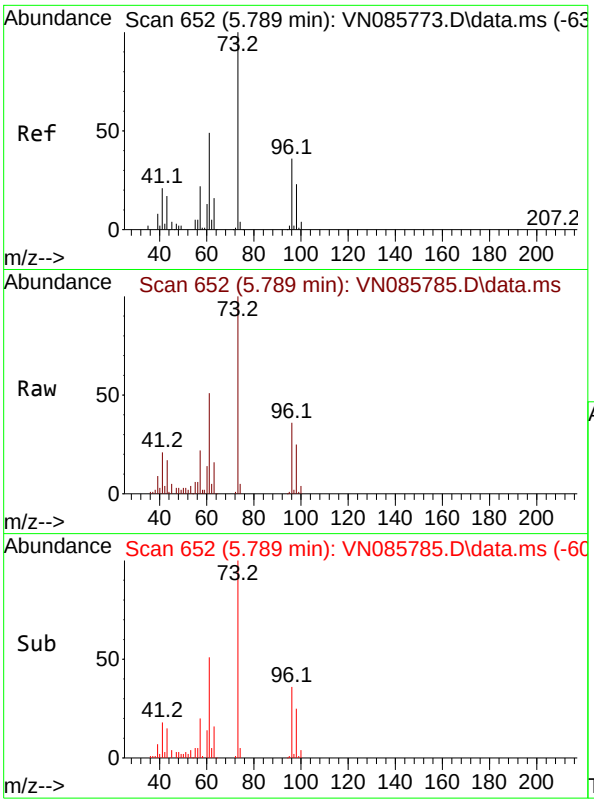


#18
Methyl Acetate
Concen: 16.311 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 73093

Ion	Ratio	Lower	Upper
43	100		
74	26.3	22.2	33.4





#19
Methyl tert-butyl Ether
Concen: 17.877 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 73 Resp: 18502

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4

Instrument :
MSVOA_N
ClientSampleId :
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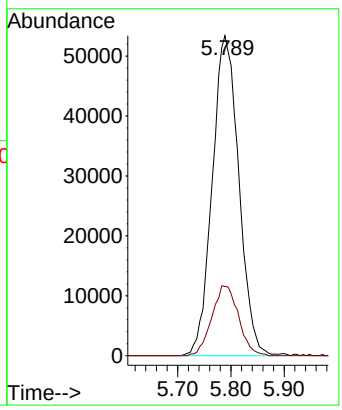
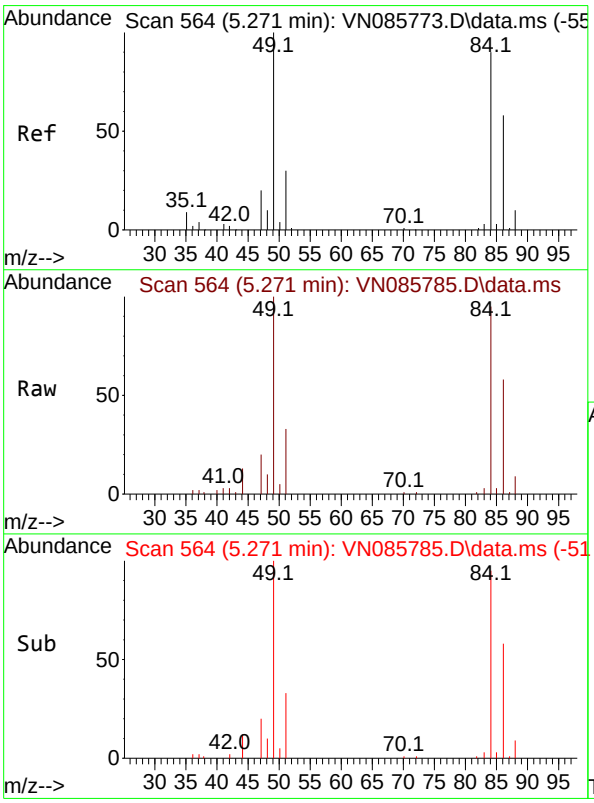
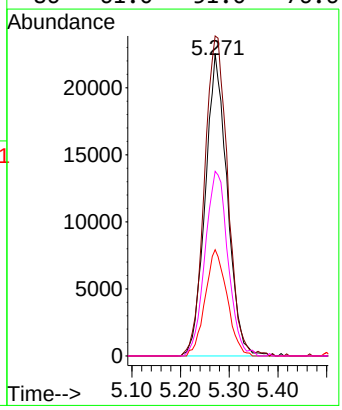


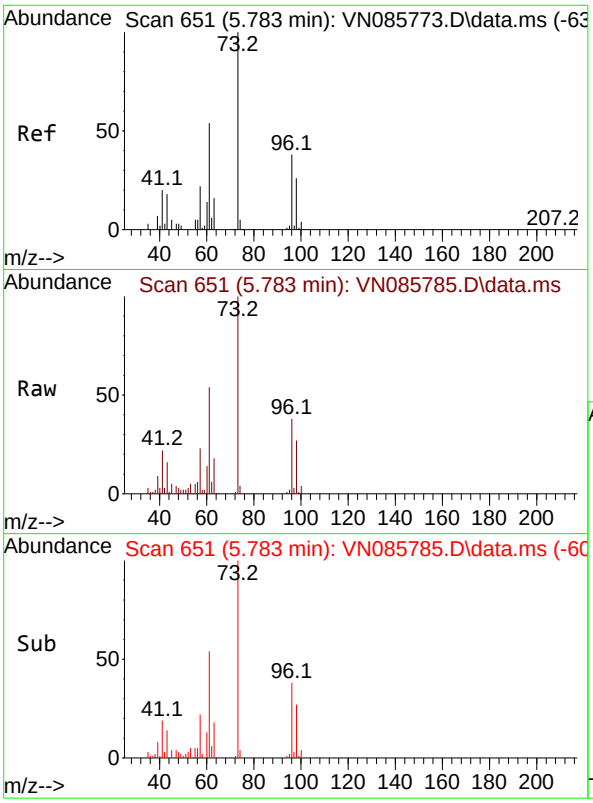


#20
Methylene Chloride
Concen: 16.819 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 84 Resp: 70470

Ion	Ratio	Lower	Upper
84	100		
49	105.8	88.4	132.6
51	35.1	26.6	40.0
86	61.0	51.0	76.6

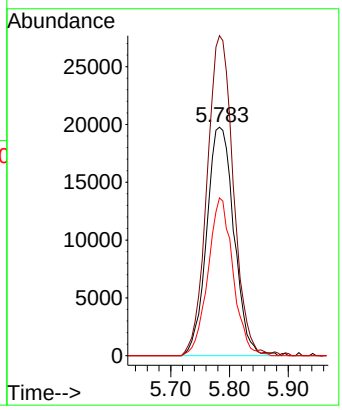




#21
trans-1,2-Dichloroethene
Concen: 17.005 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 96 Resp: 6377

Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.6	168.8
98	69.0	53.3	79.9



Instrument :
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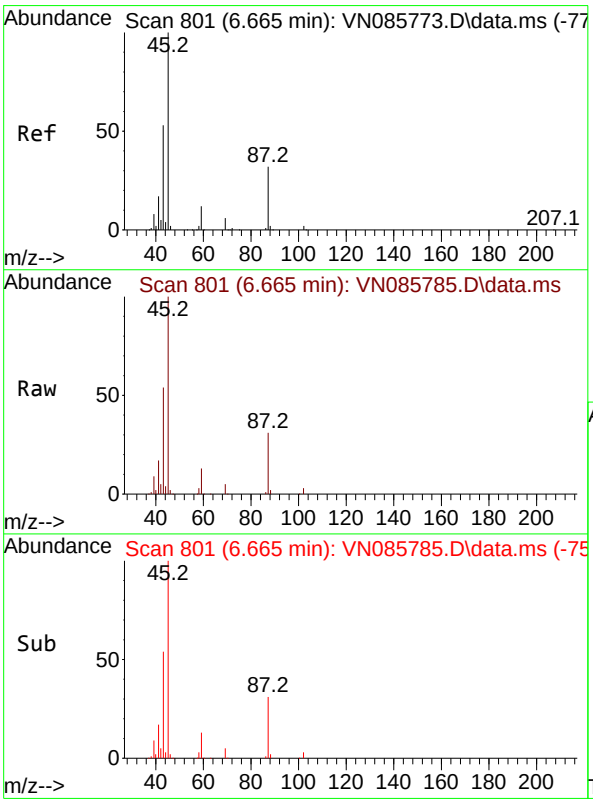
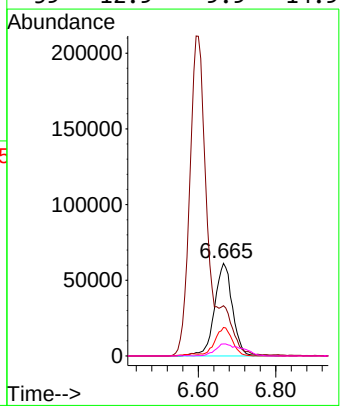
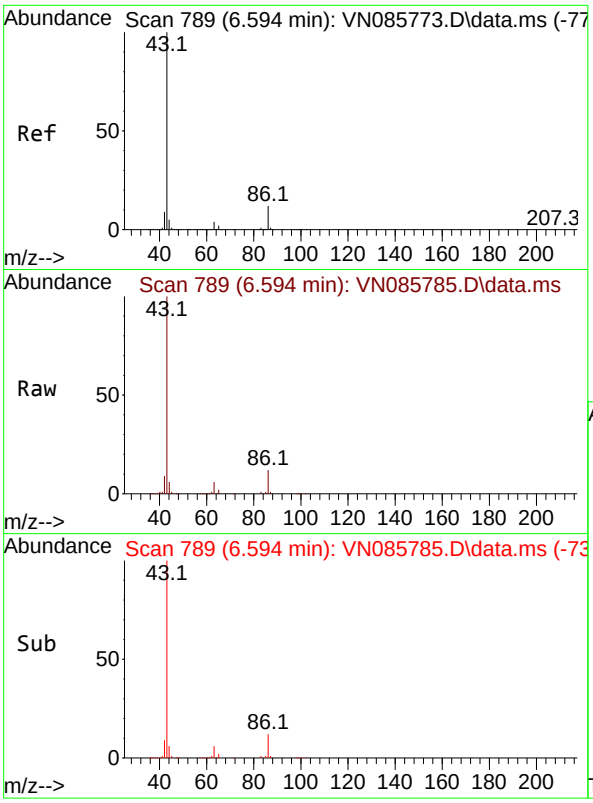


#22
Diisopropyl ether
Concen: 18.949 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 45 Resp: 195801

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.6	64.0
87	30.7	25.8	38.8
59	12.9	9.9	14.9

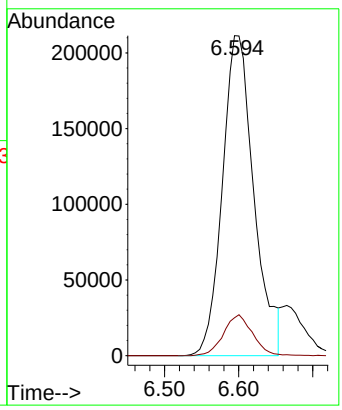




#23
Vinyl Acetate
Concen: 88.357 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 62512

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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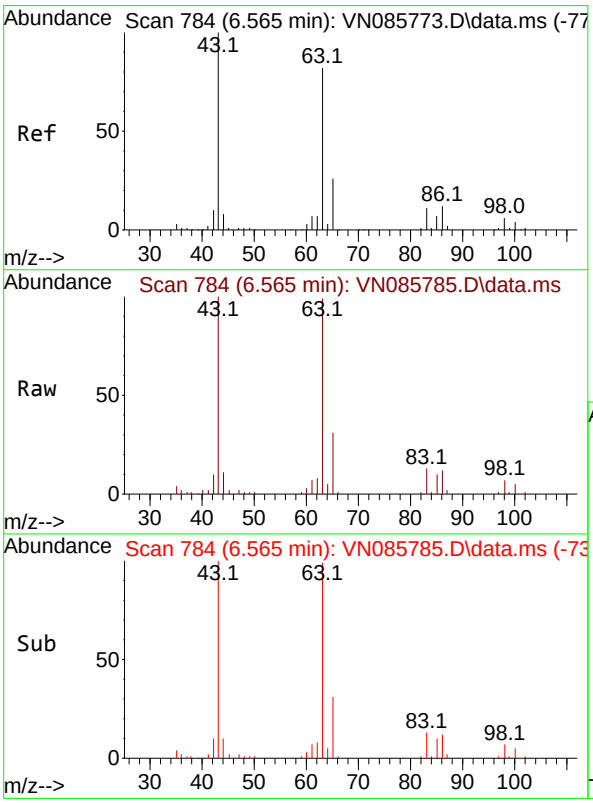
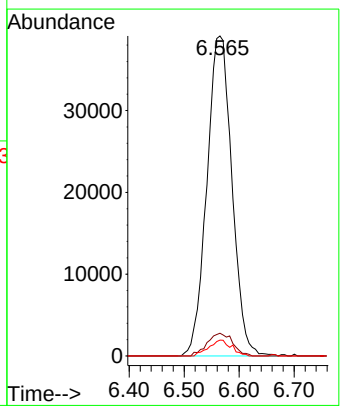
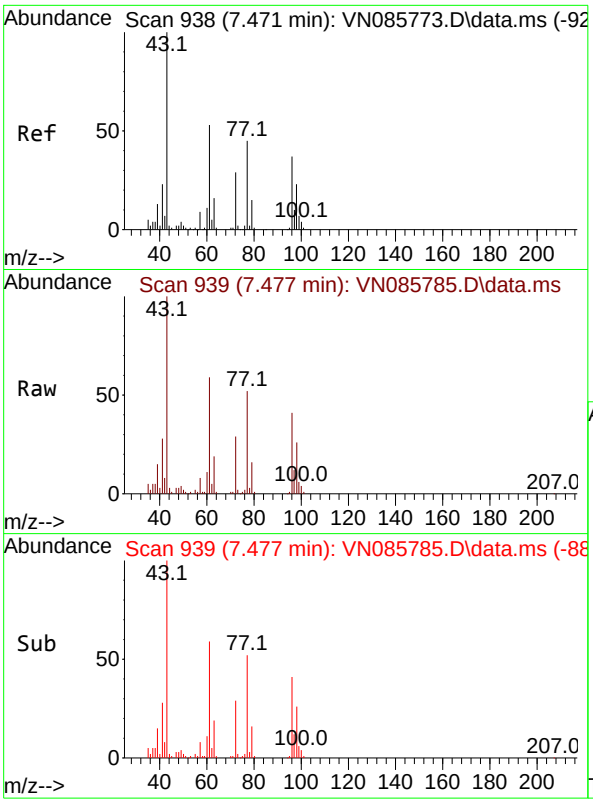


#24
1,1-Dichloroethane
Concen: 17.686 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 63 Resp: 124228

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	5.0	2.4	7.2





#25
2-Butanone
Concen: 89.571 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 17168

Ion	Ratio	Lower	Upper
43	100		
72	28.9	23.6	35.4

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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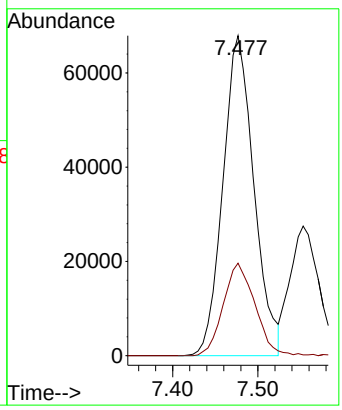
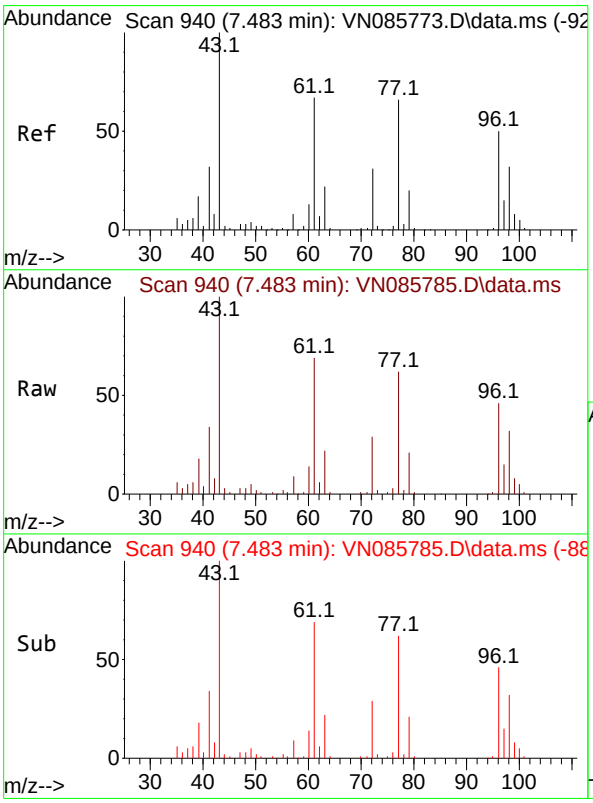
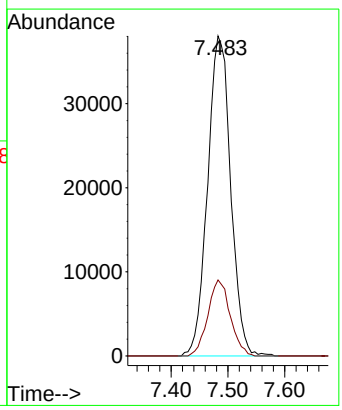


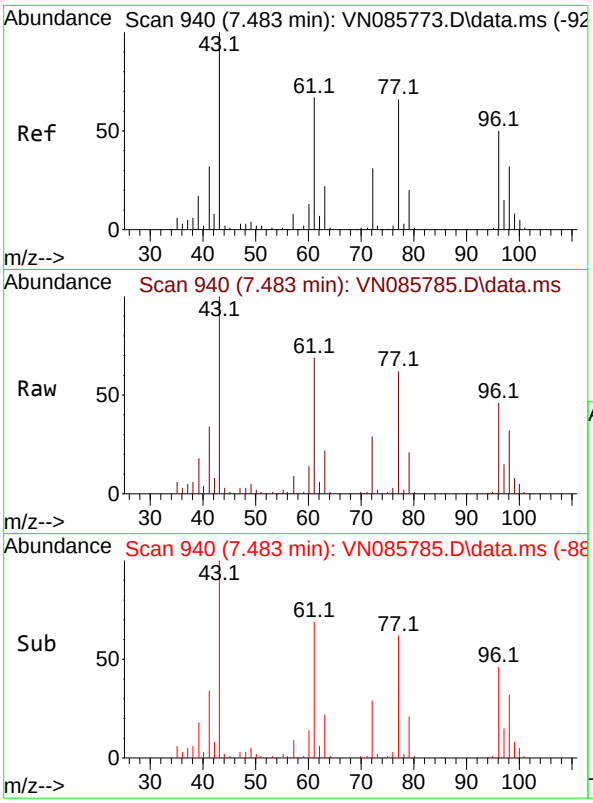


#26
2,2-Dichloropropane
Concen: 17.181 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 77 Resp: 107312

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 17.574 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 96 Resp: 7641

Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	280.6
98	63.4	0.0	128.6

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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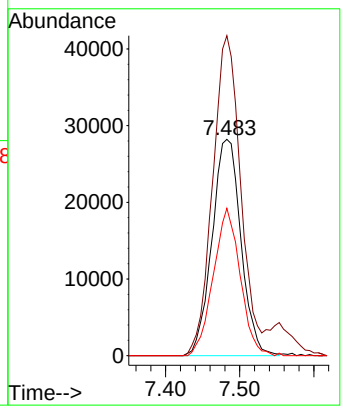
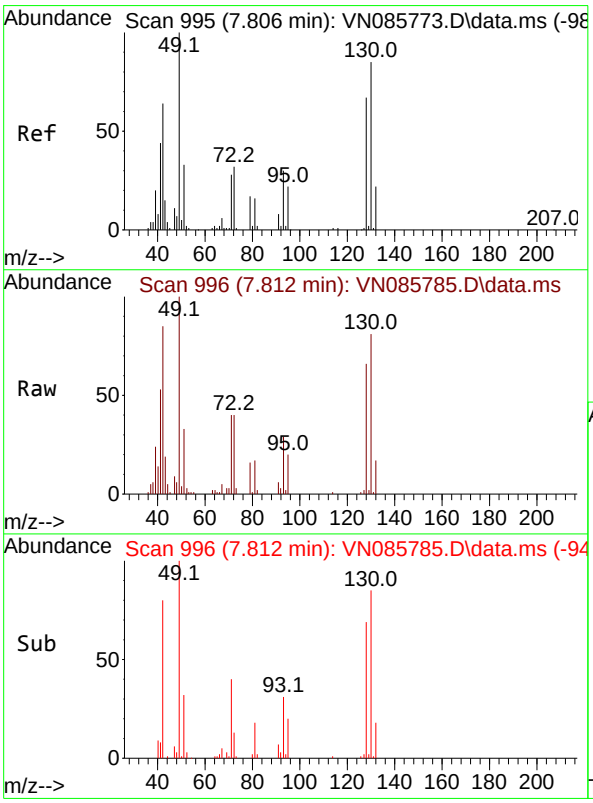
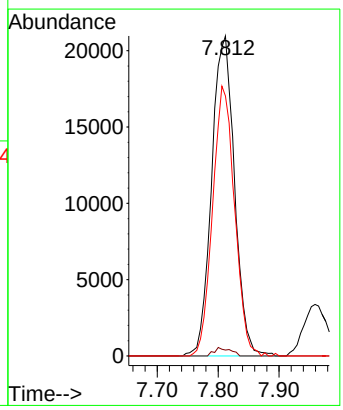


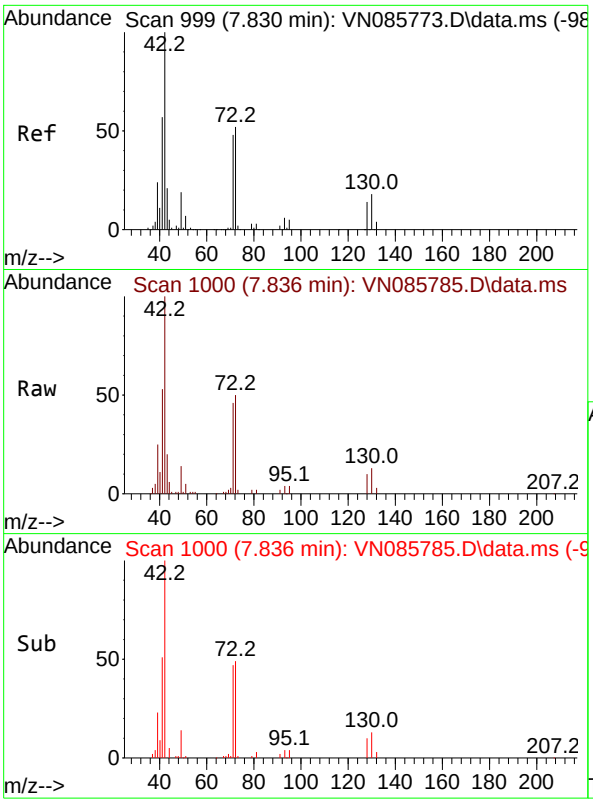


#28
Bromochloromethane
Concen: 18.931 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 49 Resp: 54654

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	81.2	68.0	102.0

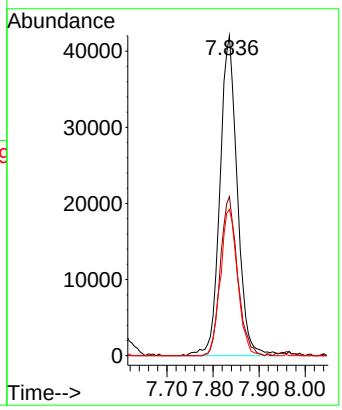




#29
Tetrahydrofuran
Concen: 88.869 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 42 Resp: 10999

Ion	Ratio	Lower	Upper
42	100		
72	48.8	40.0	60.0
71	45.0	37.0	55.4



Instrument :
MSVOA_N
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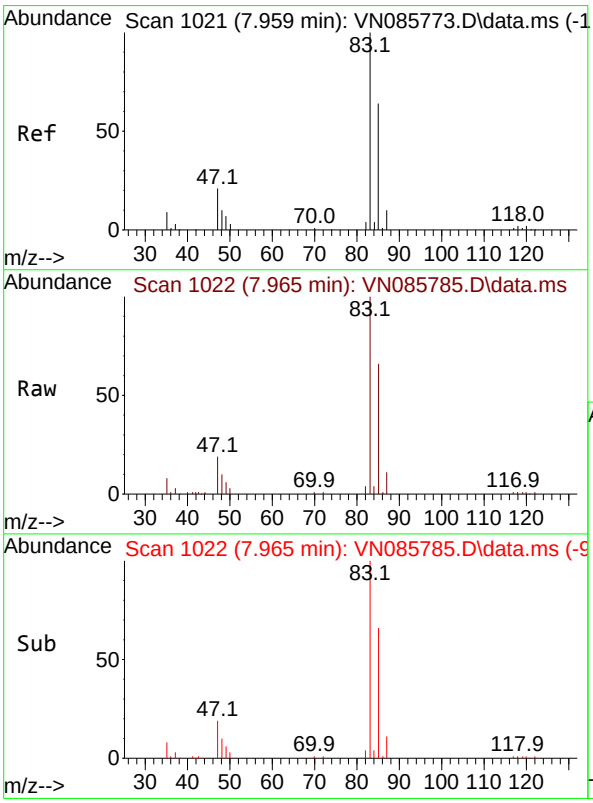
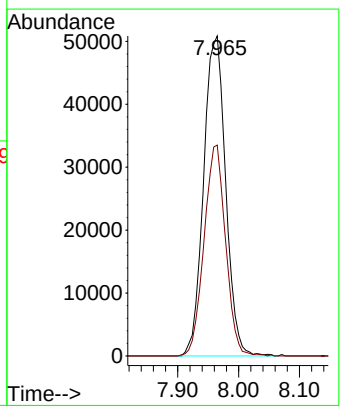
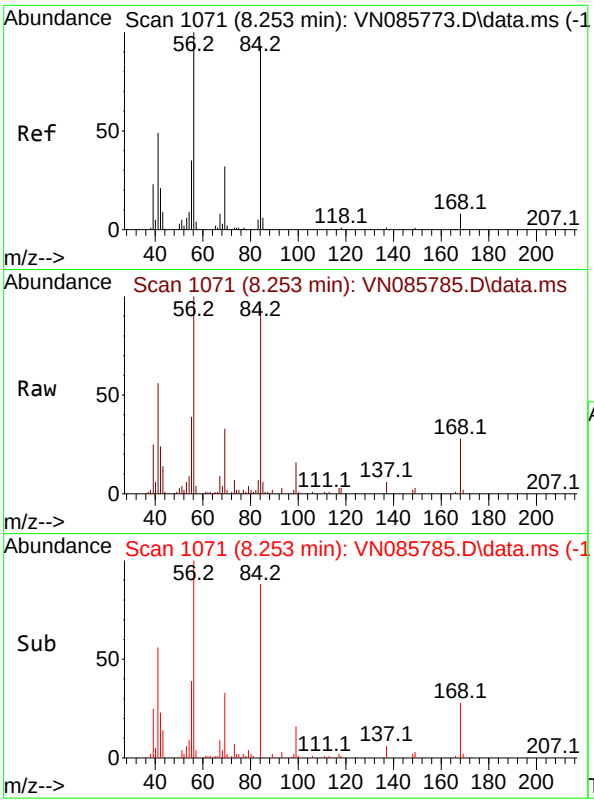


#30
Chloroform
Concen: 17.462 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 83 Resp: 128179

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3

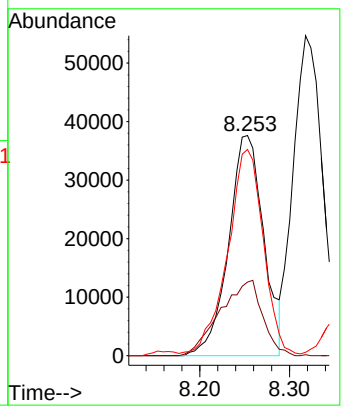




#31
Cyclohexane
Concen: 17.399 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 56 Resp: 10232

Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.8	38.6
84	92.6	74.5	111.7



Instrument :
MSVOA_N
ClientSampleId :
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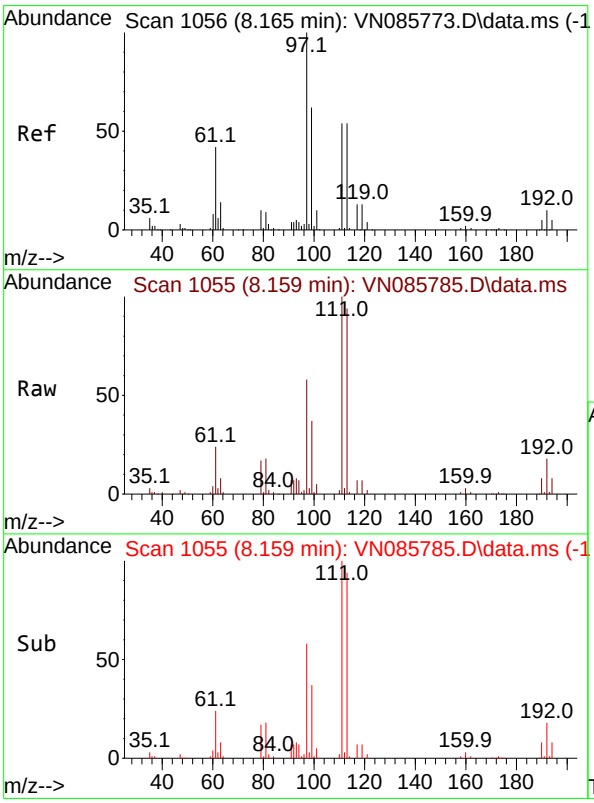
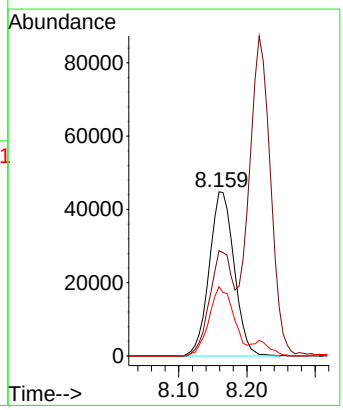
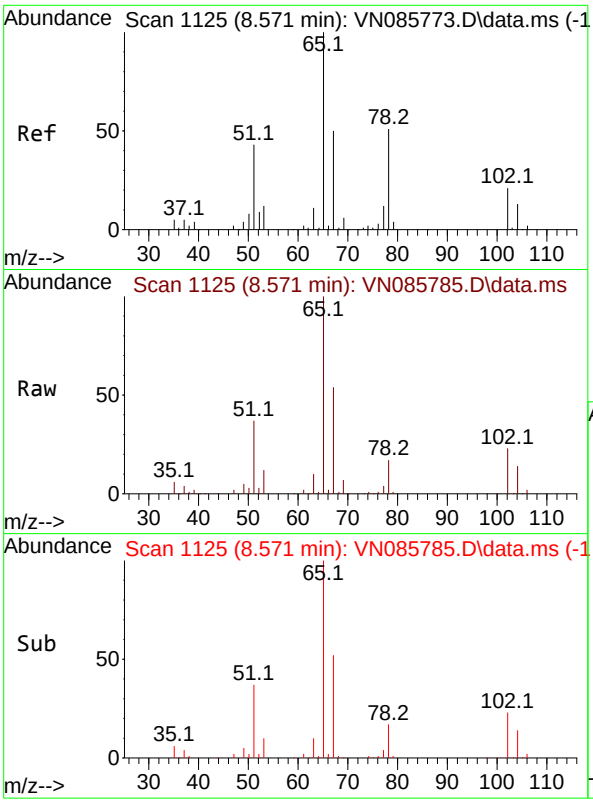


#32
1,1,1-Trichloroethane
Concen: 17.453 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 97 Resp: 113950

Ion	Ratio	Lower	Upper
97	100		
99	59.0	50.4	75.6
61	42.1	35.5	53.3

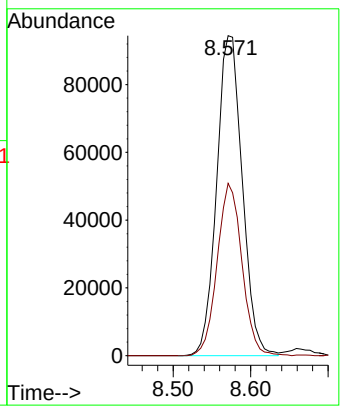




#33
1,2-Dichloroethane-d4
Concen: 52.703 ug/l
RT: 8.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 65 Resp: 21701

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2



Instrument :
MSVOA_N
ClientSampleId :
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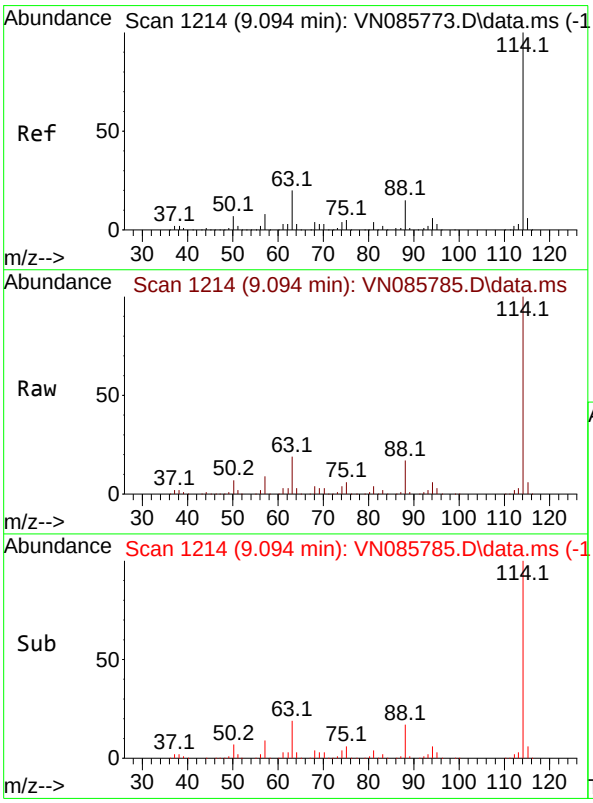
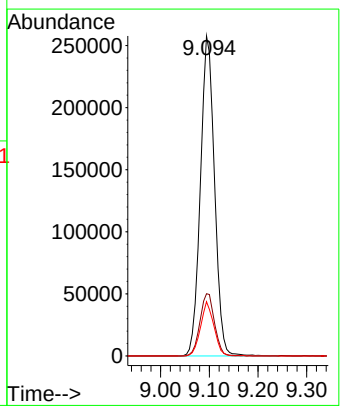
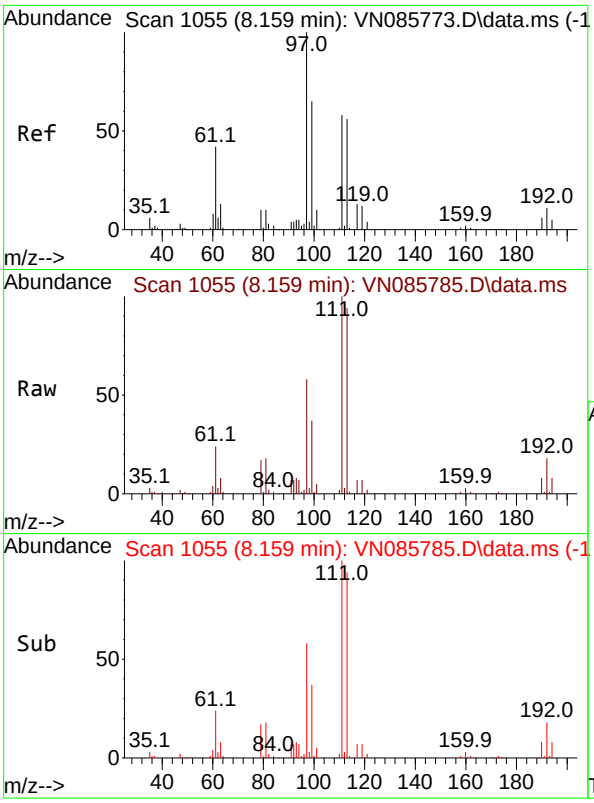


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:114 Resp: 521252

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.2
88	16.9	0.0	30.0

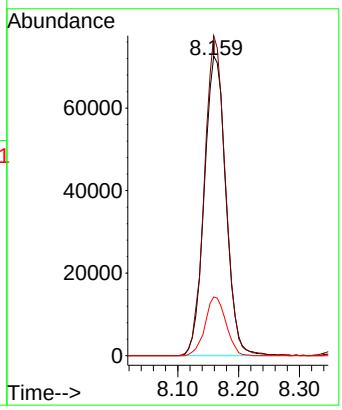




#35
Dibromofluoromethane
Concen: 52.457 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:113 Resp: 17892

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.4
192	19.0	14.7	22.1



Instrument :
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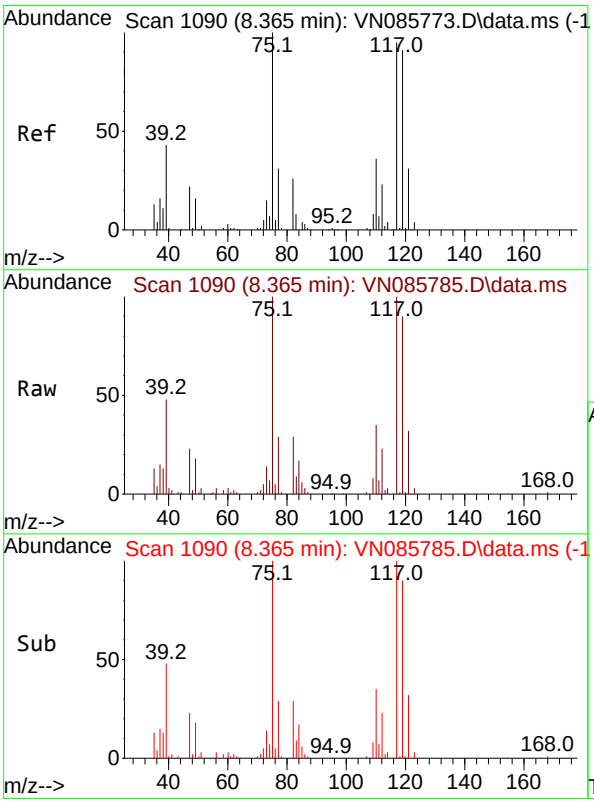
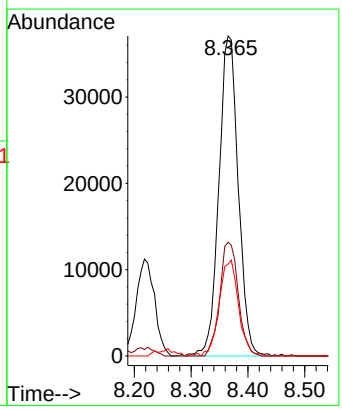
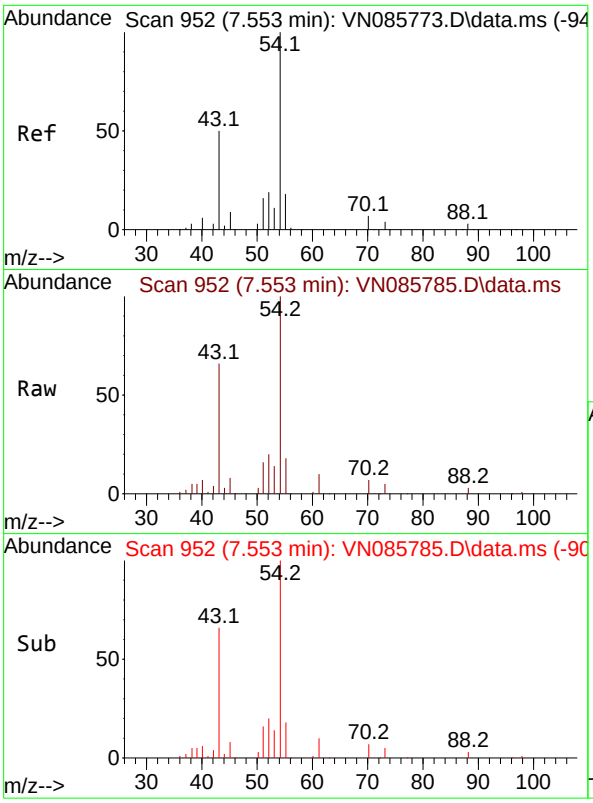


#36
1,1-Dichloropropene
Concen: 18.227 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 87987

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.1	24.6	37.0

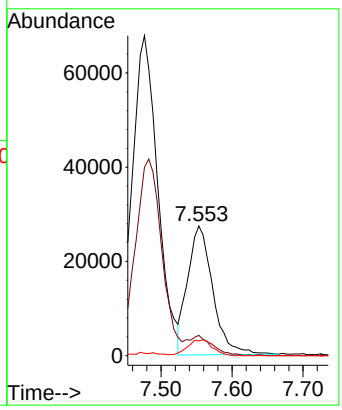




#37
Ethyl Acetate
Concen: 16.929 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 6725

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	12.2	9.5	14.3



Instrument :
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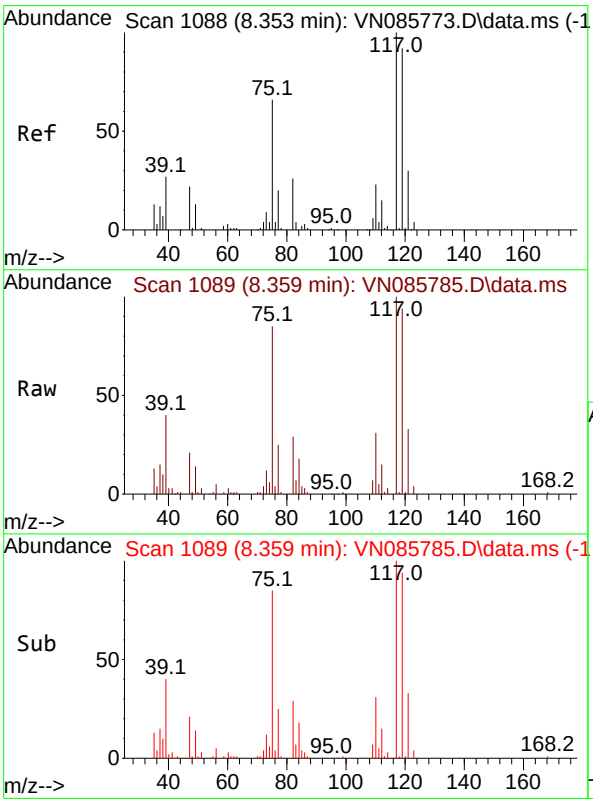
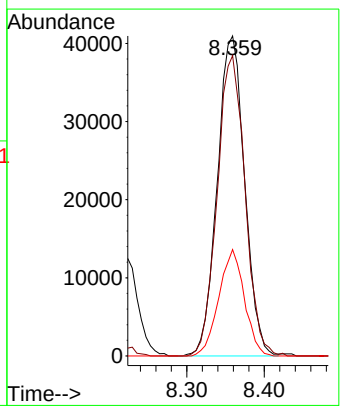
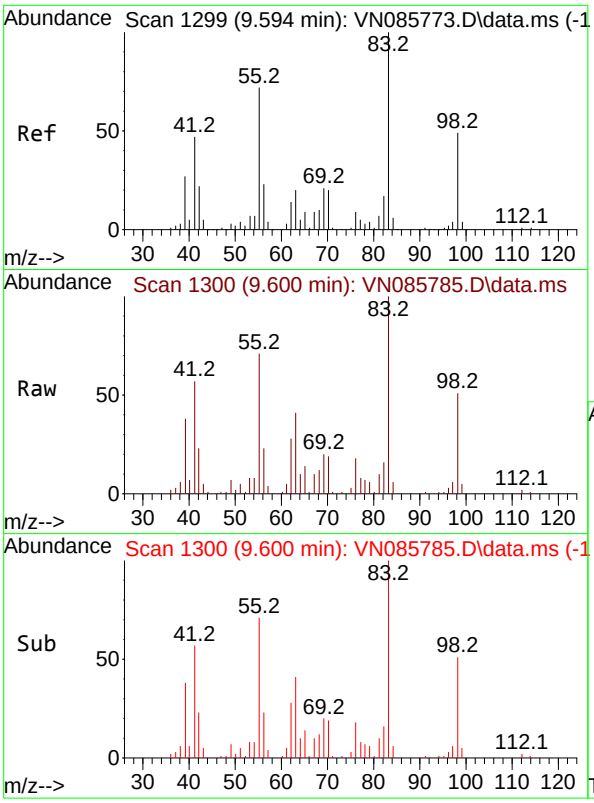


#38
Carbon Tetrachloride
Concen: 17.537 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:117 Resp: 100587

Ion	Ratio	Lower	Upper
117	100		
119	93.8	73.8	110.6
121	33.2	24.3	36.5

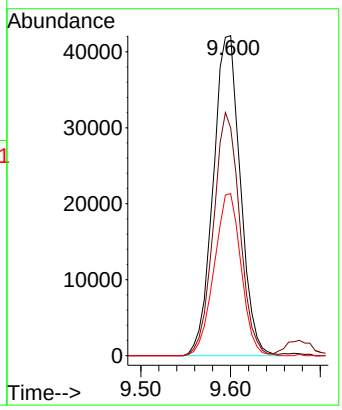




#39
Methylcyclohexane
Concen: 18.657 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 83 Resp: 8847

Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.5	86.3
98	50.7	39.2	58.8



Instrument :
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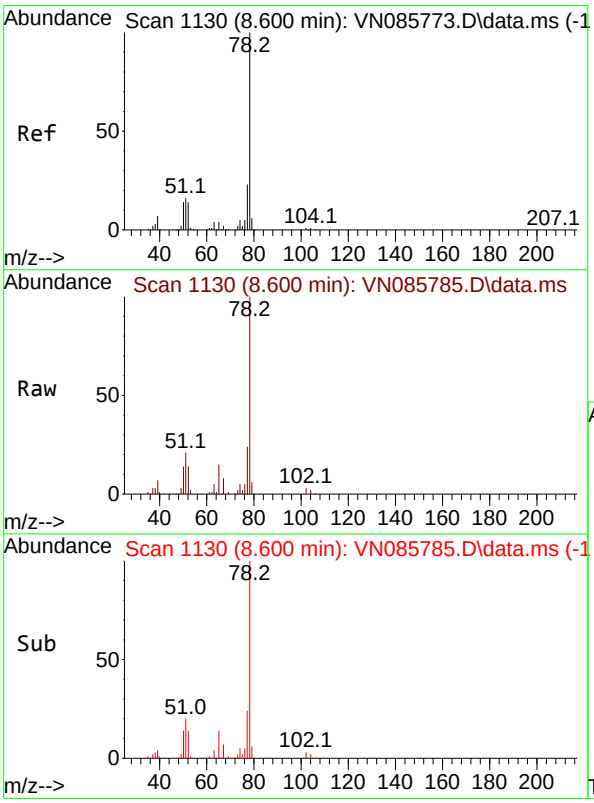
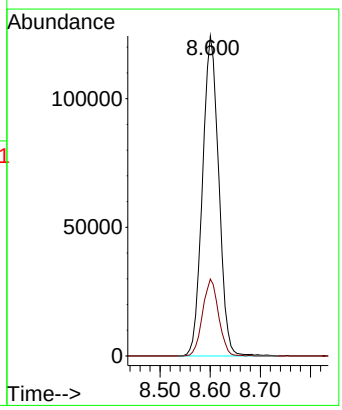
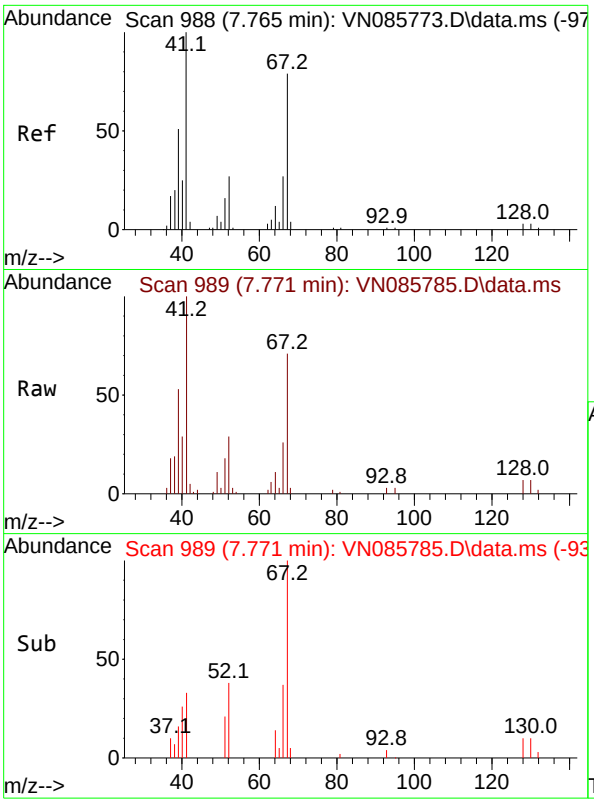


#40
Benzene
Concen: 18.147 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 78 Resp: 280766

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.3	27.5

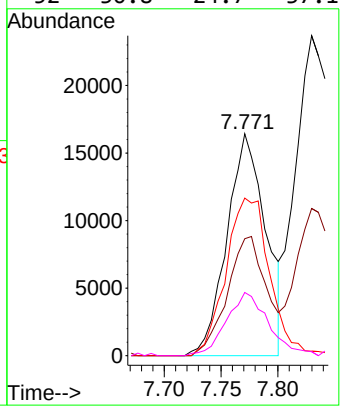




#41
Methacrylonitrile
Concen: 18.373 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 41 Resp: 3901

Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.0	63.0
67	79.9	64.2	96.4
52	30.8	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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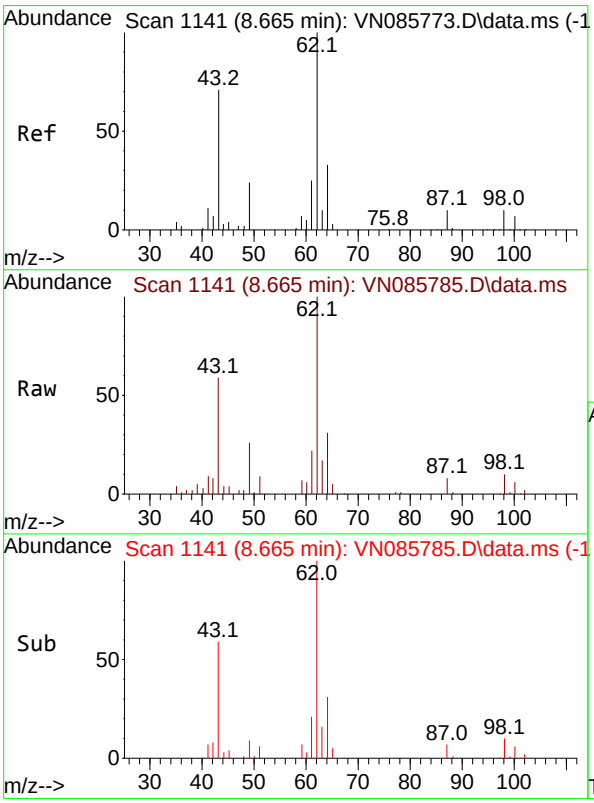
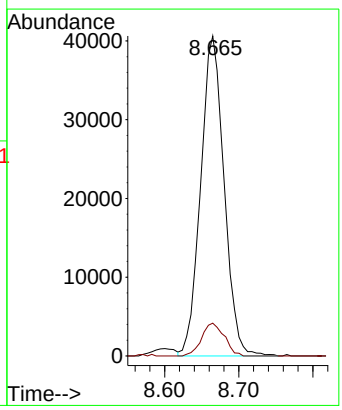
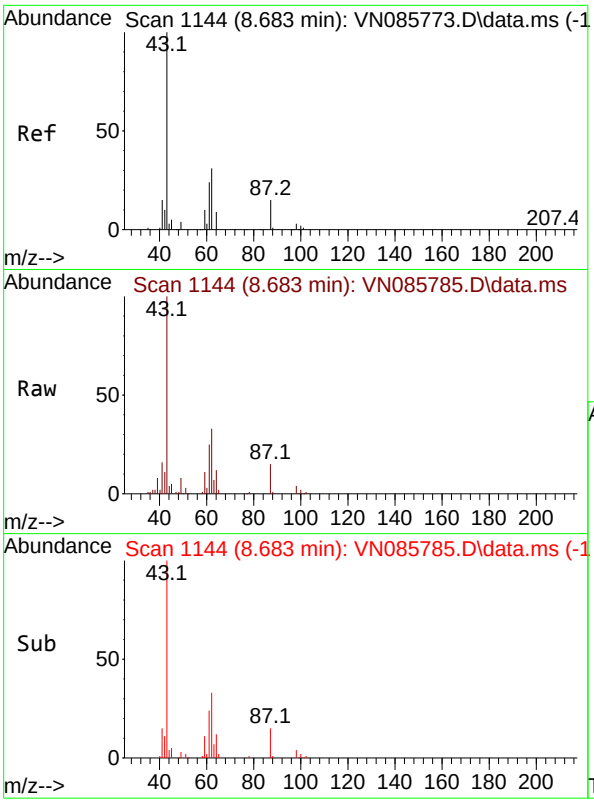


#42
1,2-Dichloroethane
Concen: 17.709 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 62 Resp: 89245

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6

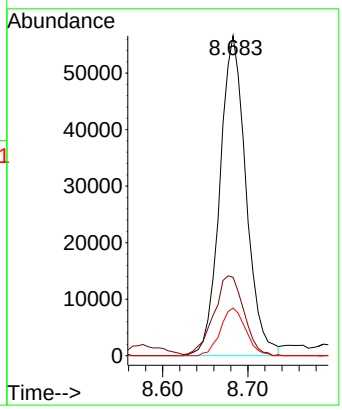




#43
Isopropyl Acetate
Concen: 16.955 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 12072

Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.6	34.0
87	14.3	11.8	17.8



Instrument :
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ClientSampleId :
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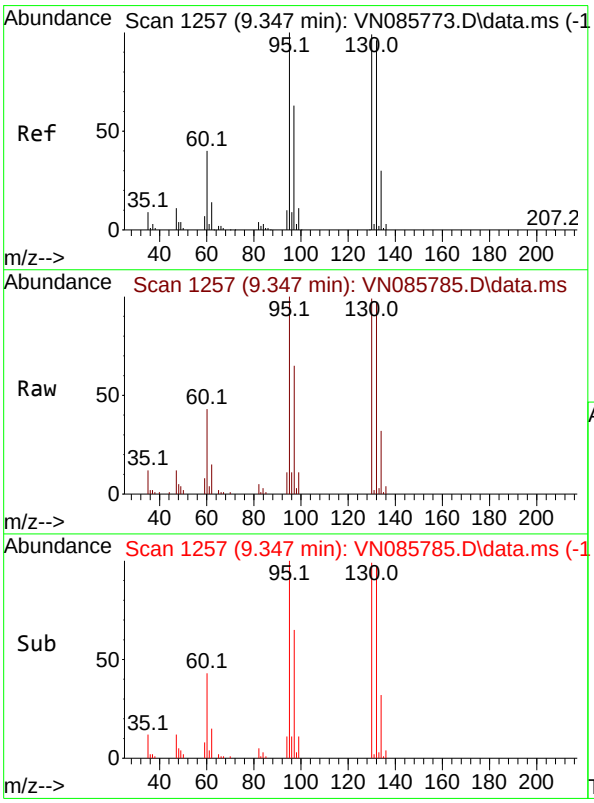
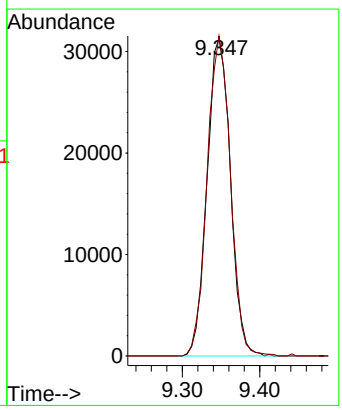
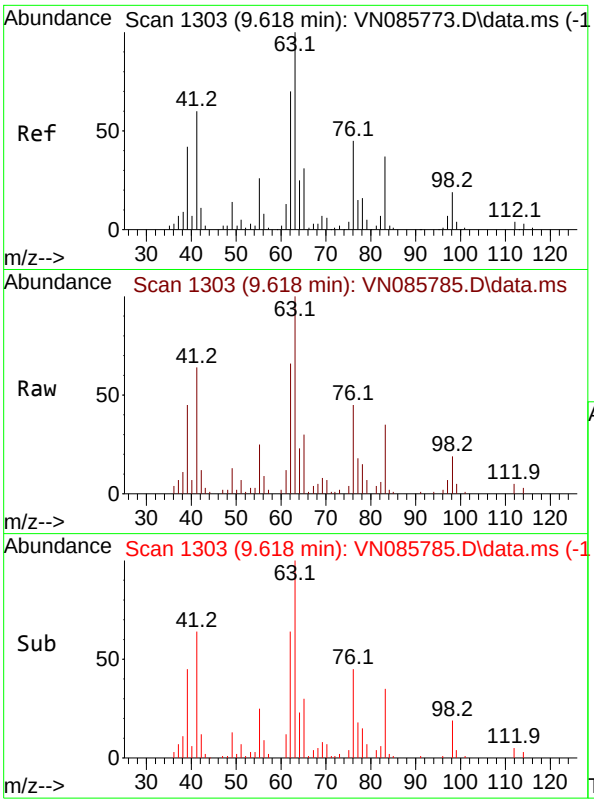


#44
Trichloroethene
Concen: 17.262 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:130 Resp: 65573

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	202.6

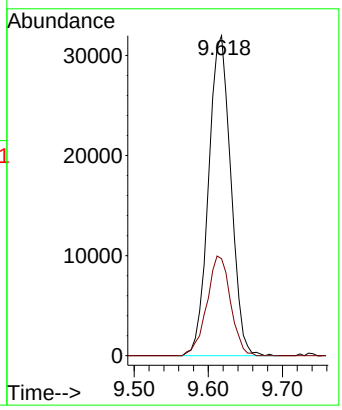




#45
1,2-Dichloropropane
Concen: 17.831 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 63 Resp: 6659

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
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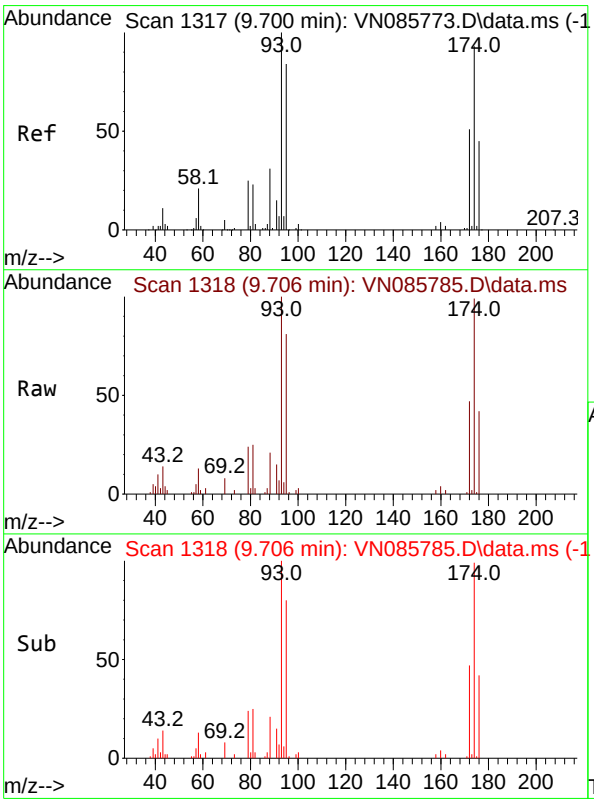
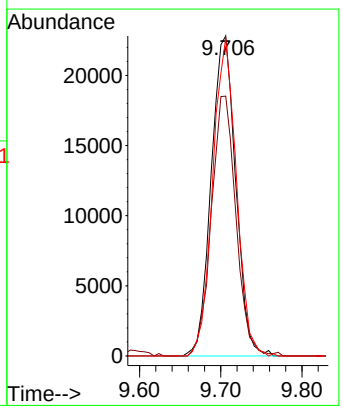
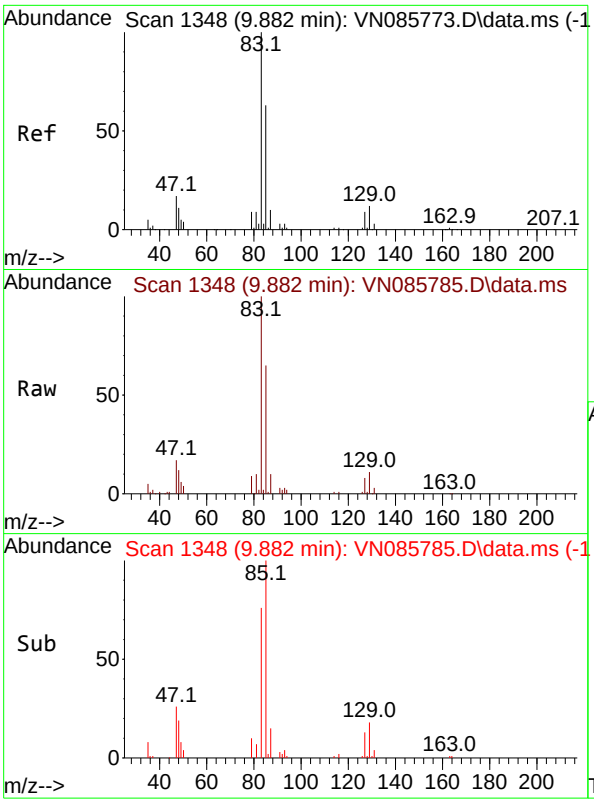


#46
Dibromomethane
Concen: 18.174 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 93 Resp: 47875

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.7	100.1
174	95.9	77.2	115.8

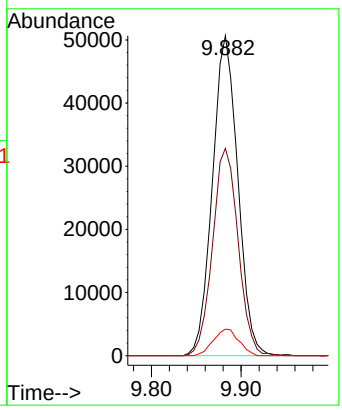




#47
Bromodichloromethane
Concen: 17.629 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 83 Resp: 9935

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.3	7.2	10.8



Instrument :
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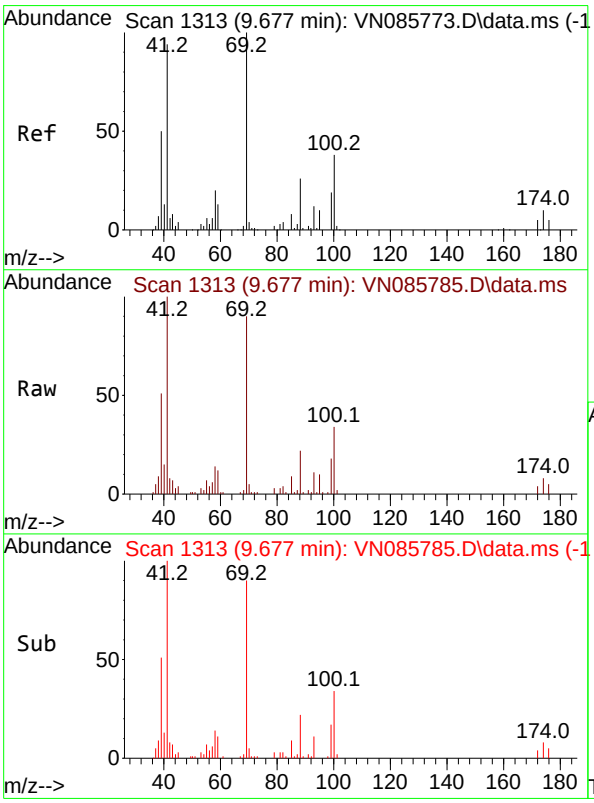
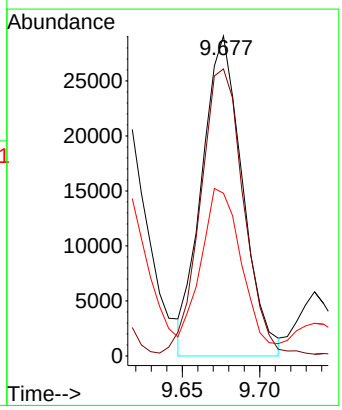
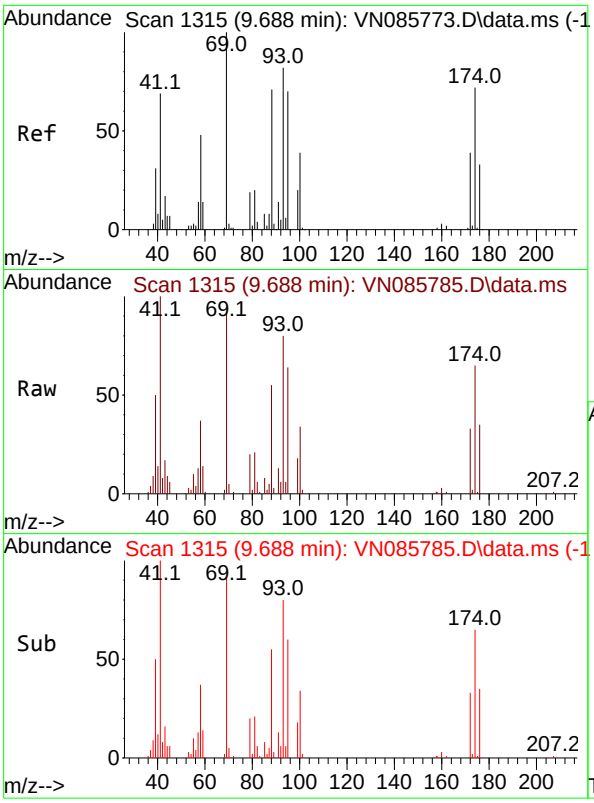


#48
Methyl methacrylate
Concen: 17.960 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 41 Resp: 52986

Ion	Ratio	Lower	Upper
41	100		
69	96.5	76.0	114.0
39	54.1	42.3	63.5

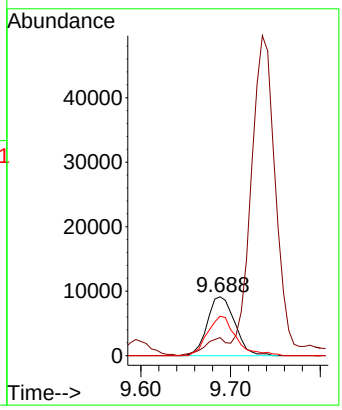




#49
1,4-Dioxane
Concen: 346.260 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 88 Resp: 1942

Ion	Ratio	Lower	Upper
88	100		
43	26.6	18.6	27.8
58	69.4	56.7	85.1



Instrument :
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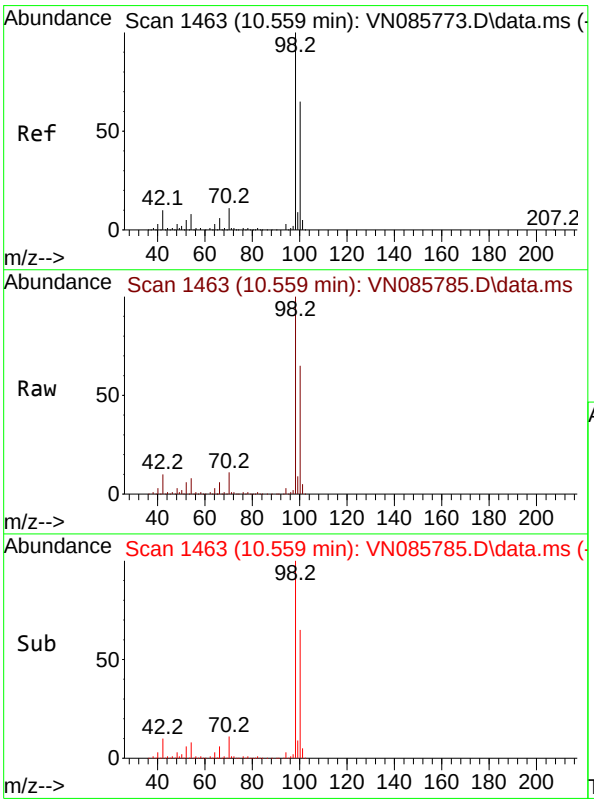
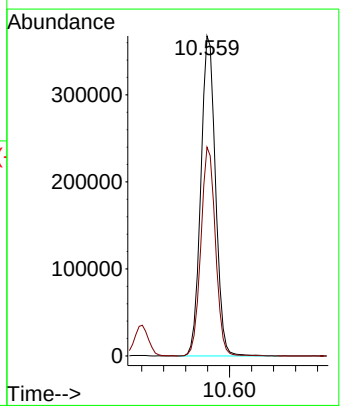
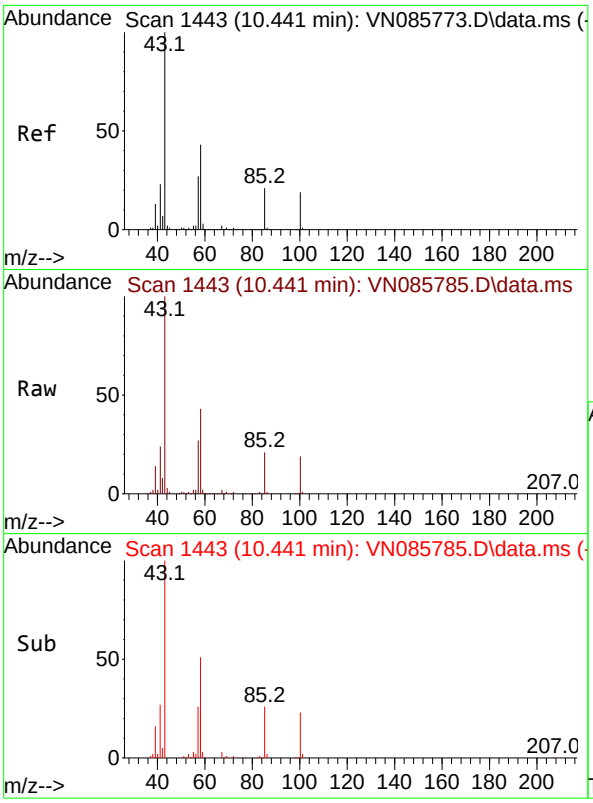


#50
Toluene-d8
Concen: 54.811 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 98 Resp: 680181

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

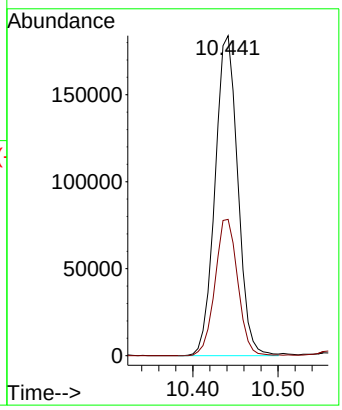




#51
4-Methyl-2-Pentanone
Concen: 89.161 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 34149

Ion	Ratio	Lower	Upper
43	100		
58	42.7	34.6	52.0



Instrument :
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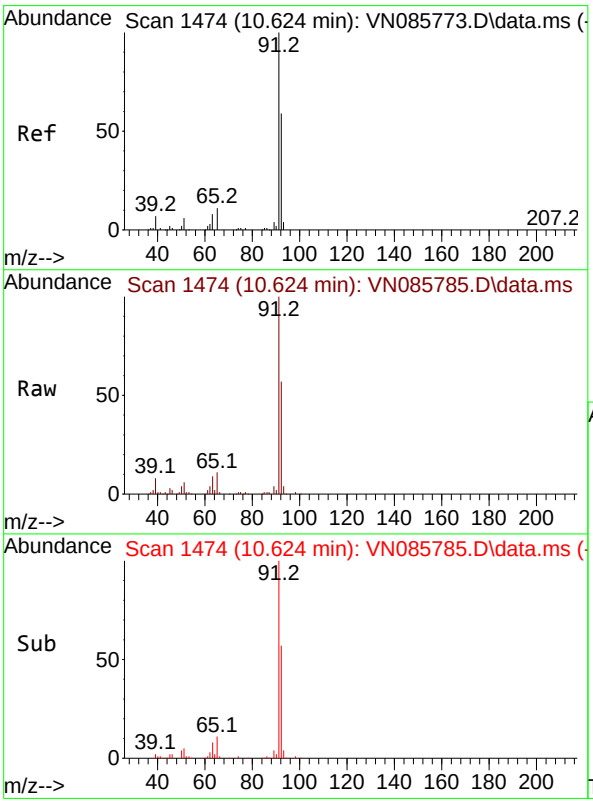
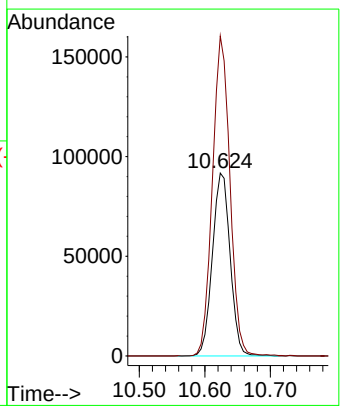
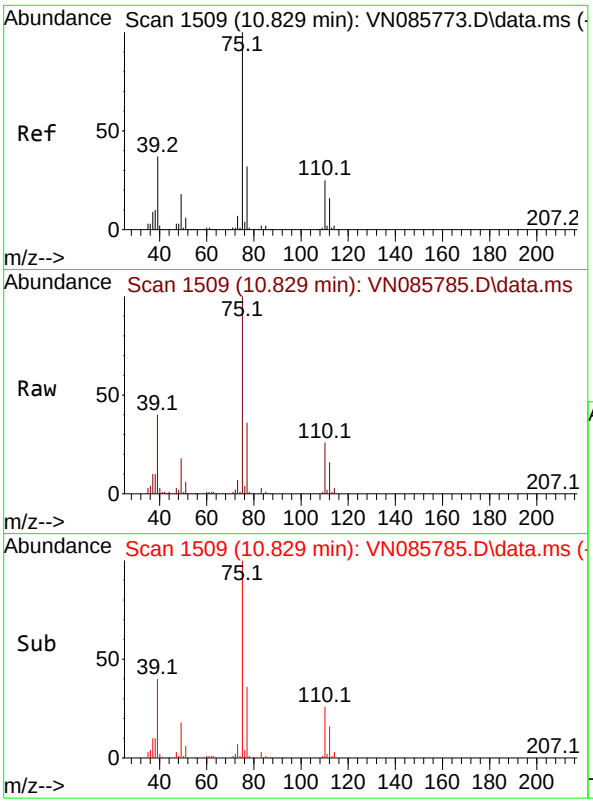


#52
Toluene
Concen: 18.963 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 92 Resp: 171977

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.9	205.3

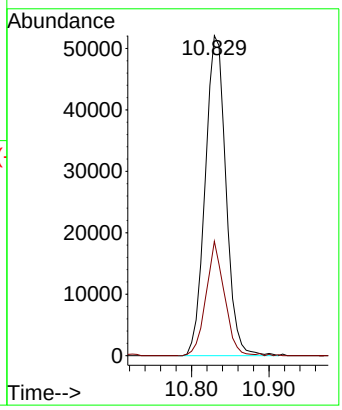




#53
t-1,3-Dichloropropene
Concen: 18.564 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 9674

Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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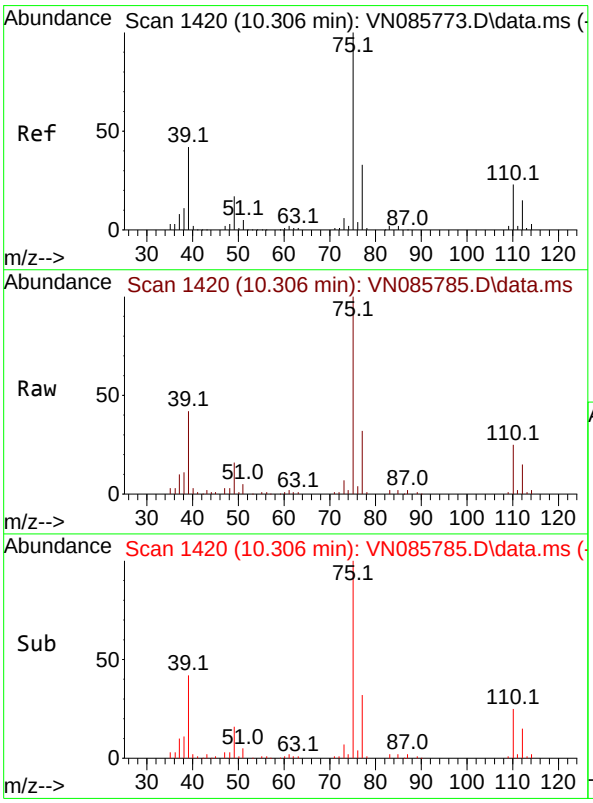
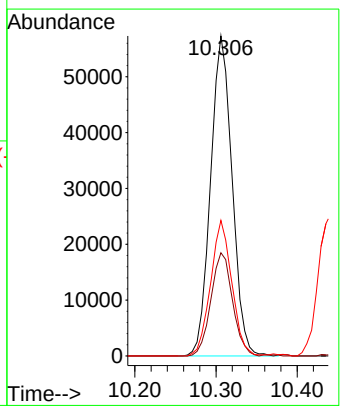
Supervised By :Mahesh Dadoda 02/20/2025

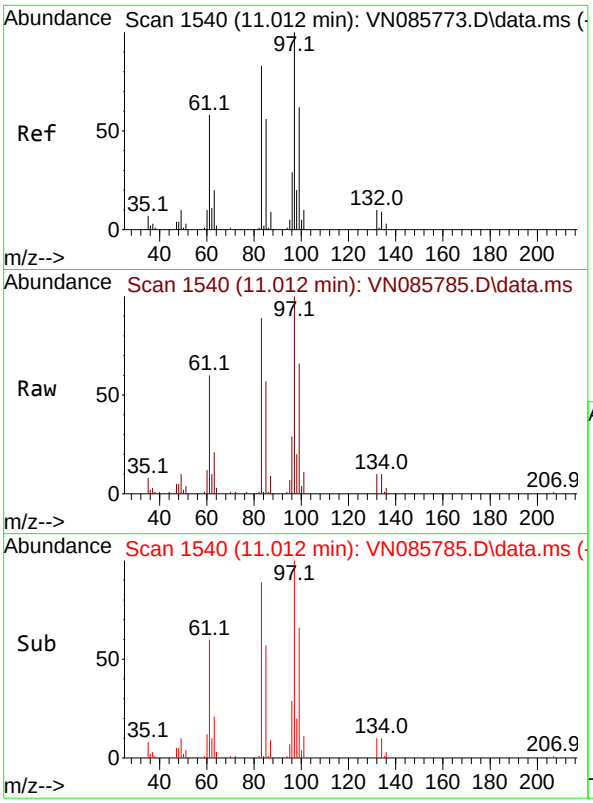


#54
cis-1,3-Dichloropropene
Concen: 18.525 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 105862

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.1	39.1
39	42.3	33.4	50.0

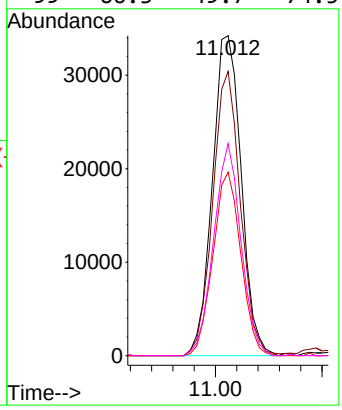




#55
1,1,2-Trichloroethane
Concen: 17.816 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 97 Resp: 6424

Ion	Ratio	Lower	Upper
97	100		
83	88.8	66.1	99.1
85	57.4	44.7	67.1
99	66.3	49.7	74.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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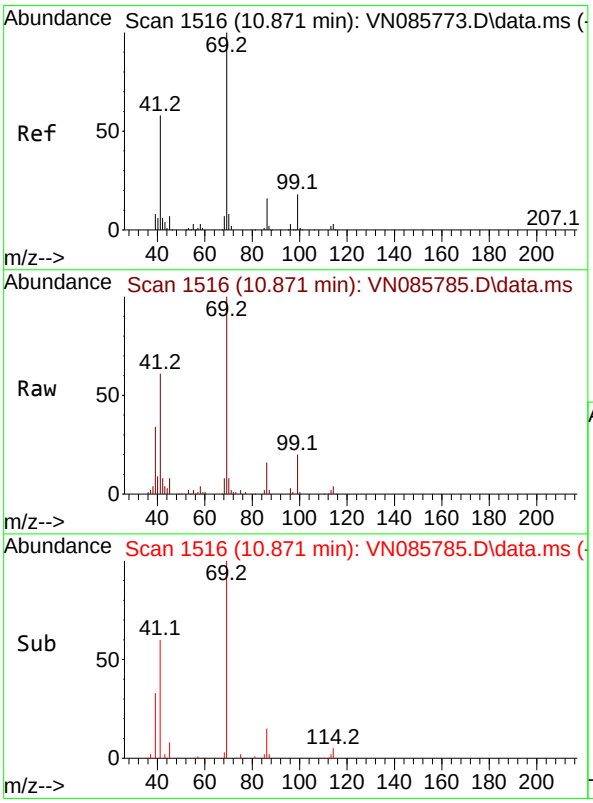
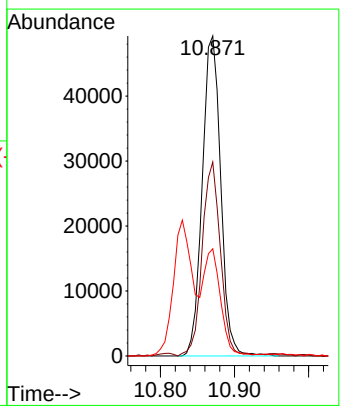
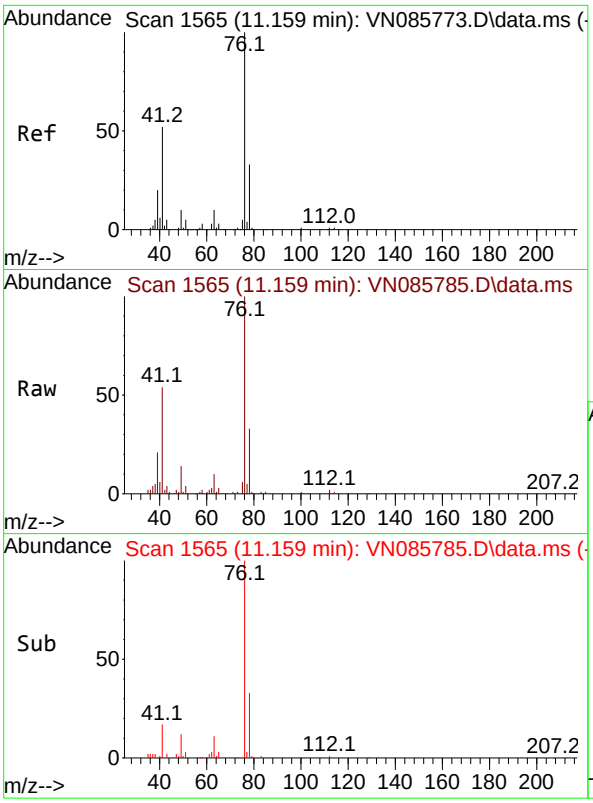


#56
Ethyl methacrylate
Concen: 18.049 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 69 Resp: 85337

Ion	Ratio	Lower	Upper
69	100		
41	59.8	46.0	69.0
39	29.3	22.0	33.0

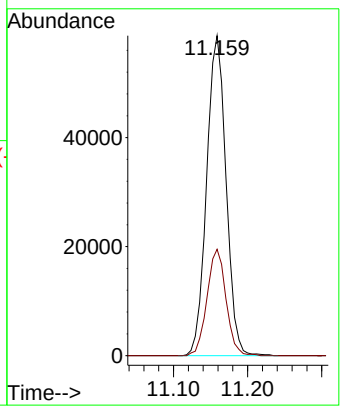




#57
1,3-Dichloropropane
Concen: 17.745 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 76 Resp: 10681

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9



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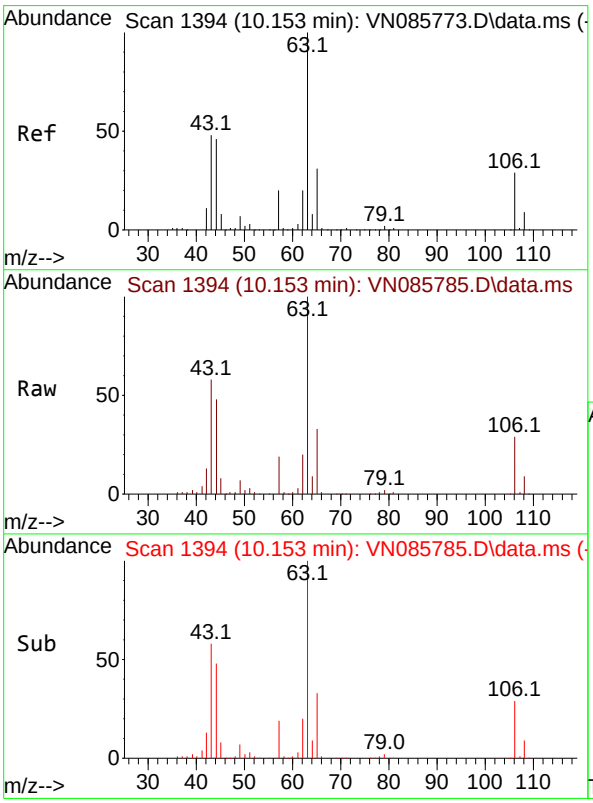
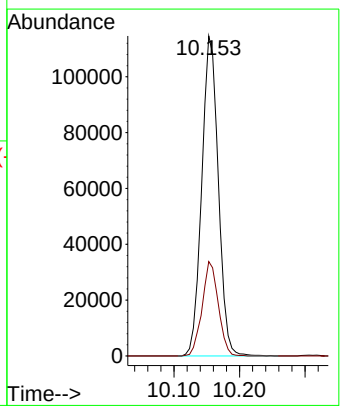
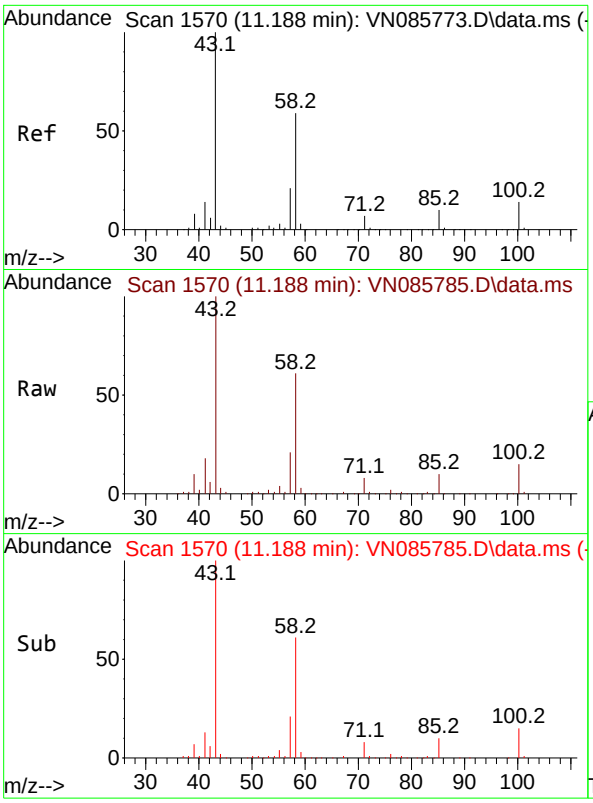


#58
2-Chloroethyl Vinyl ether
Concen: 116.421 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 63 Resp: 201570

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.7	34.1

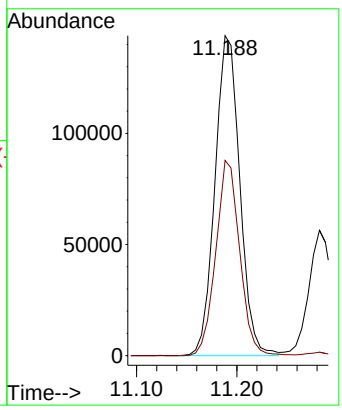




#59
2-Hexanone
Concen: 94.072 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 24786

Ion	Ratio	Lower	Upper
43	100		
58	58.8	29.8	89.5



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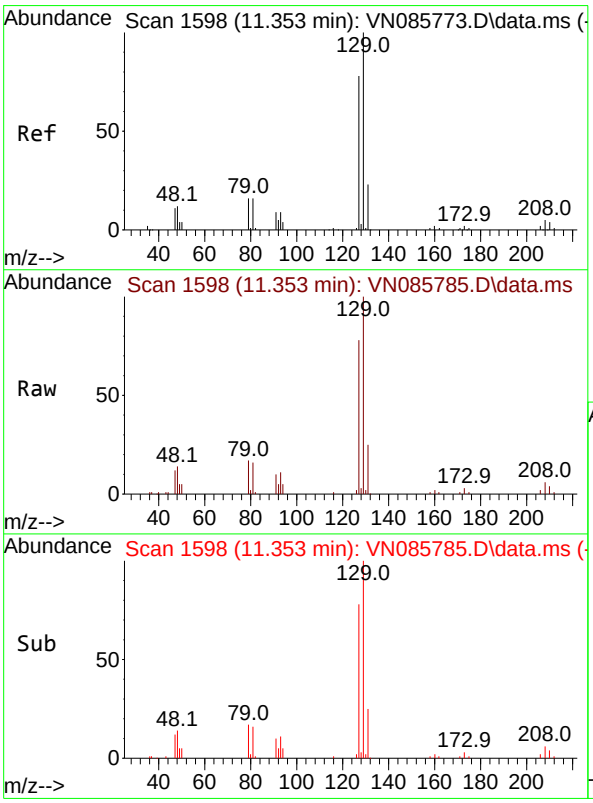
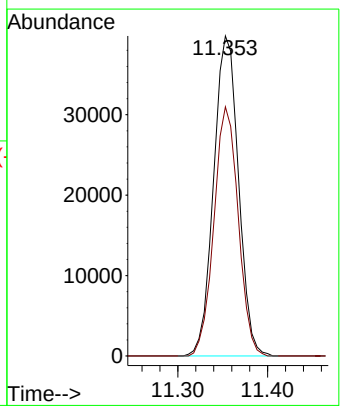
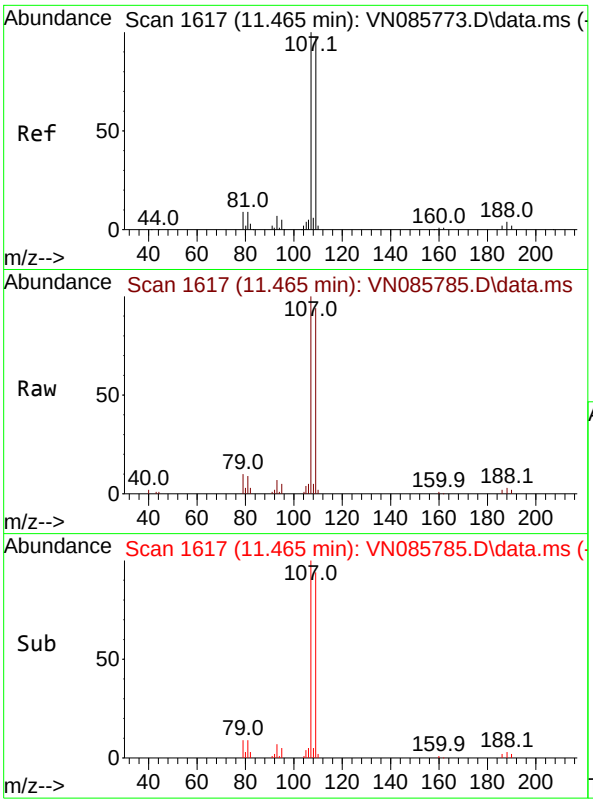


#60
Dibromochloromethane
Concen: 18.204 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:129 Resp: 76437

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.1	117.5

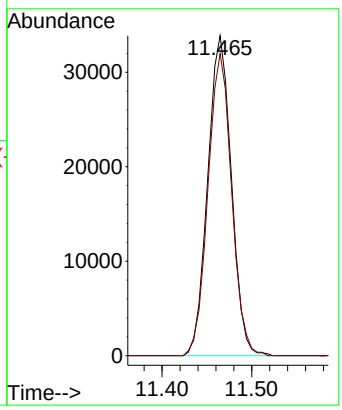




#61
1,2-Dibromoethane
Concen: 18.184 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:107 Resp: 6195

Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.0	114.0



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ClientSampleId :
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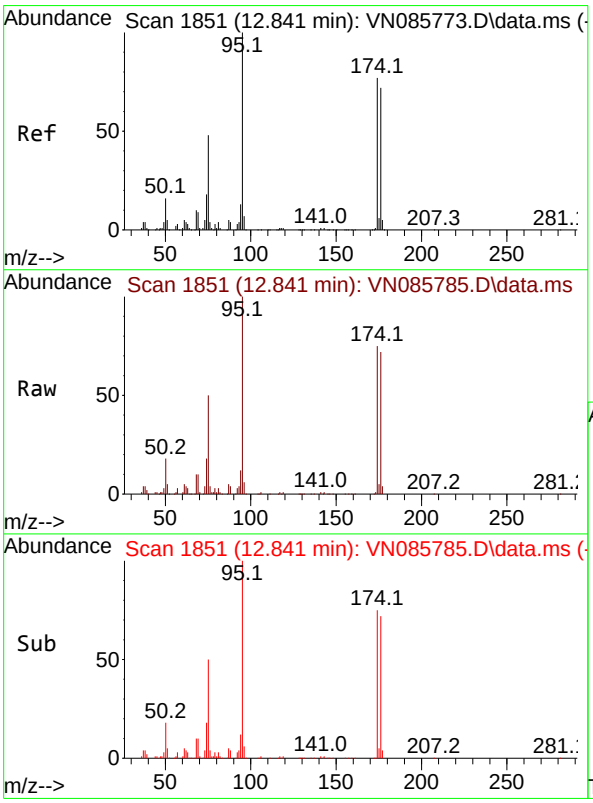
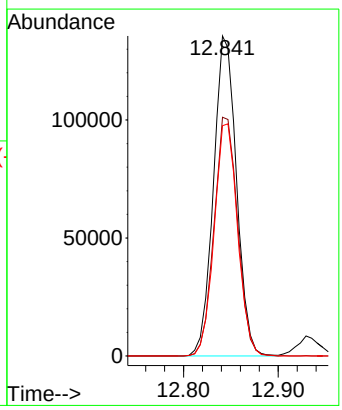
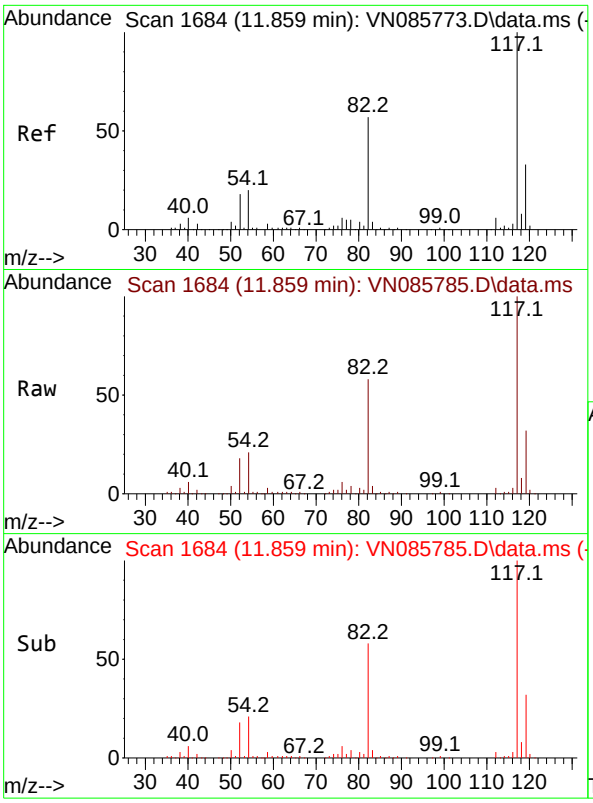


#62
4-Bromofluorobenzene
Concen: 56.040 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 95 Resp: 229130

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	152.4
176	73.7	0.0	146.6

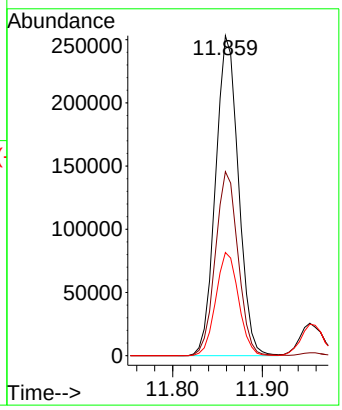




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:117 Resp: 44836

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	32.2	26.2	39.2



Instrument :
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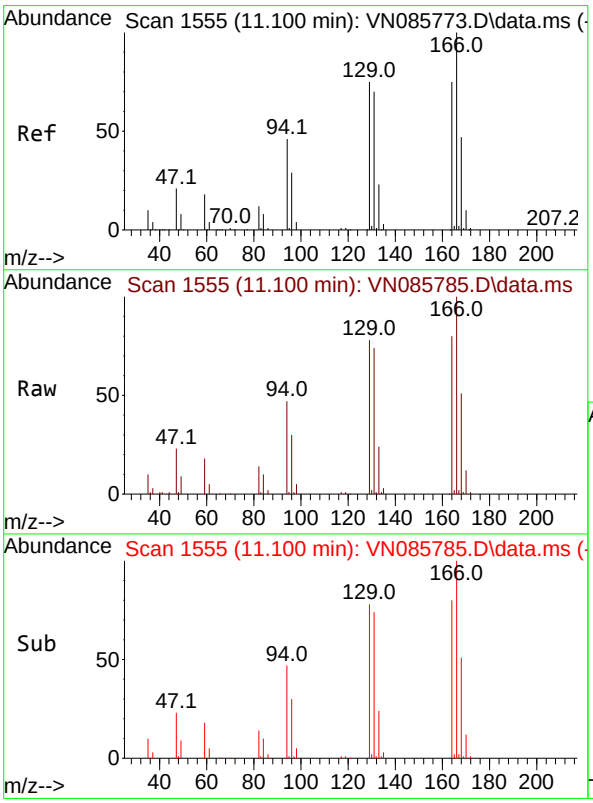
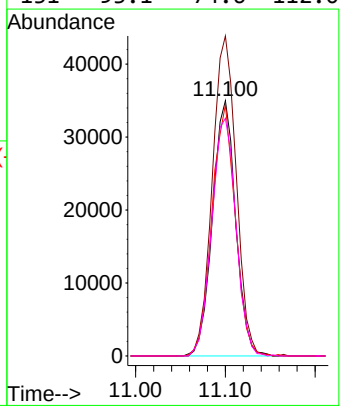
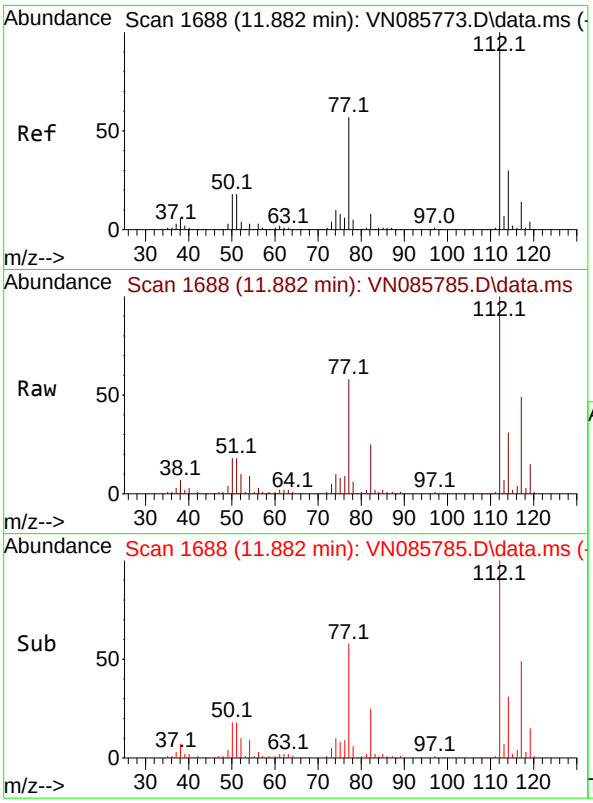


#64
Tetrachloroethene
Concen: 18.047 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:164 Resp: 62687

Ion	Ratio	Lower	Upper
164	100		
166	125.4	107.2	160.8
129	98.4	80.7	121.1
131	93.1	74.6	112.0

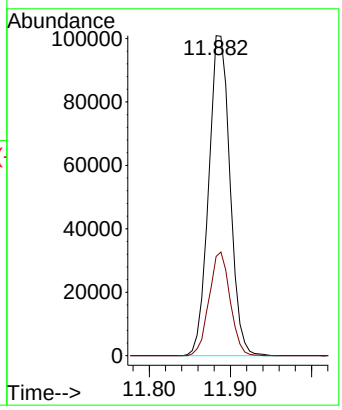




#65
Chlorobenzene
Concen: 17.914 ug/l
RT: 11.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:112 Resp: 18400

Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
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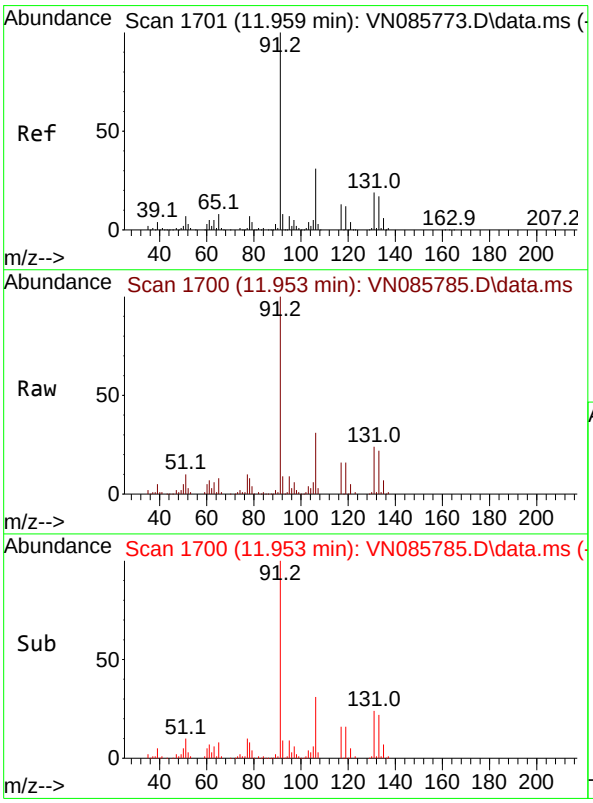
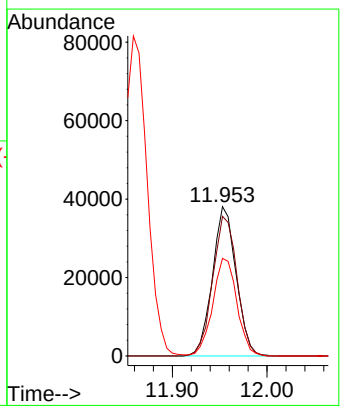
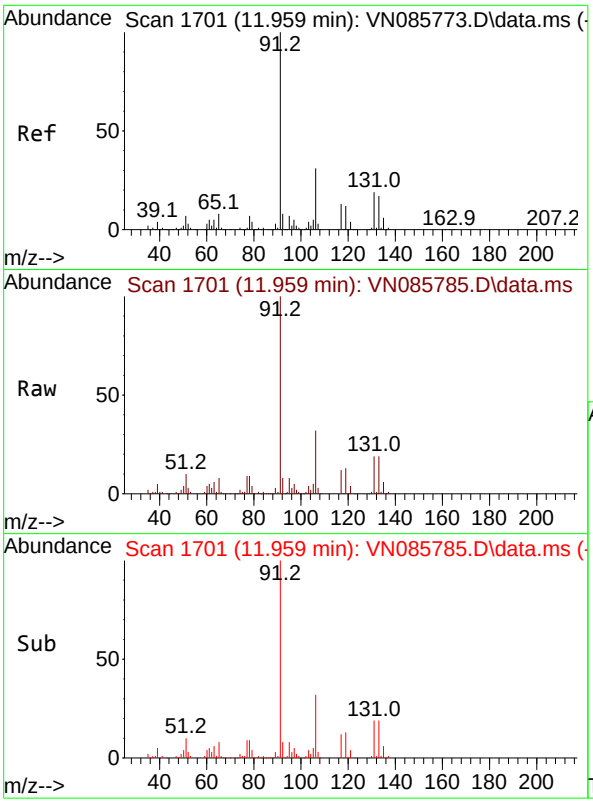


#66
1,1,1,2-Tetrachloroethane
Concen: 17.887 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:131 Resp: 66036

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.7	143.1
119	67.0	33.3	99.8

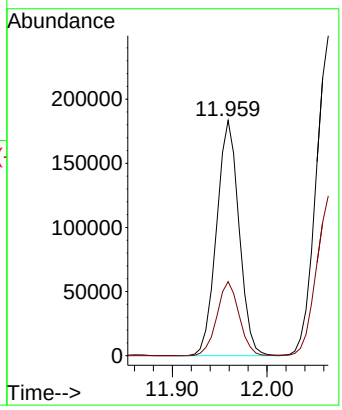




#67
Ethyl Benzene
Concen: 18.808 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 91 Resp: 30261

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.7	37.1



Instrument :
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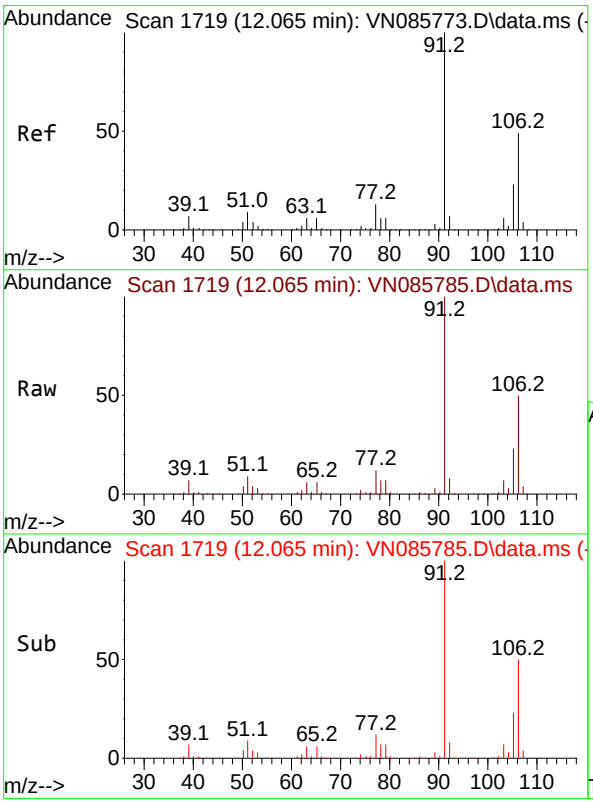
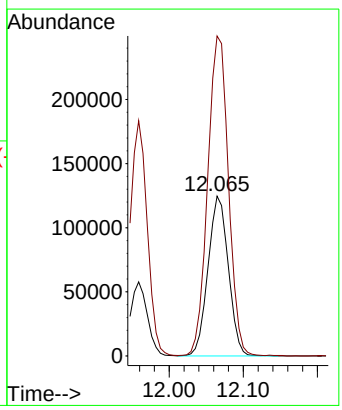
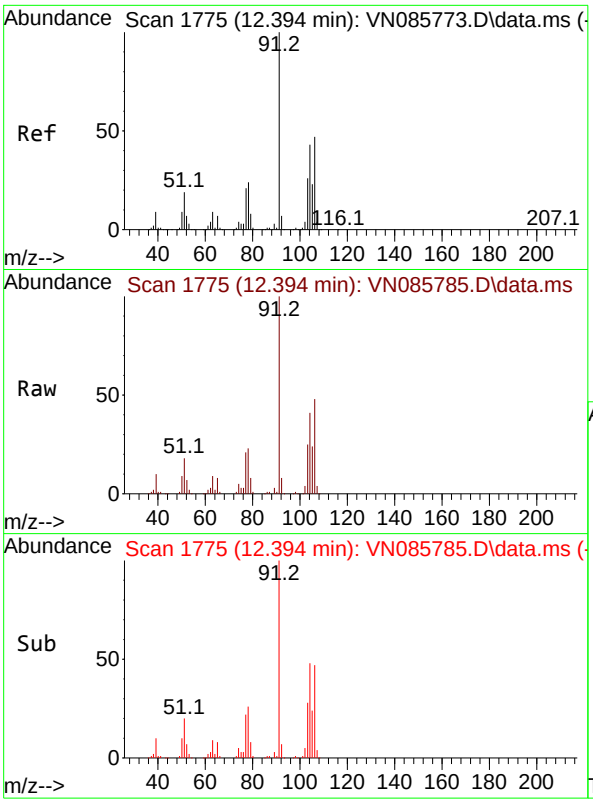


#68
m/p-Xylenes
Concen: 38.858 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:106 Resp: 237487

Ion	Ratio	Lower	Upper
106	100		
91	203.7	163.3	244.9

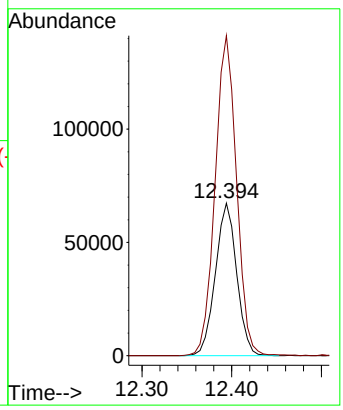




#69
o-Xylene
Concen: 19.104 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:106 Resp: 11094

Ion	Ratio	Lower	Upper
106	100		
91	211.3	107.1	321.4



Instrument :
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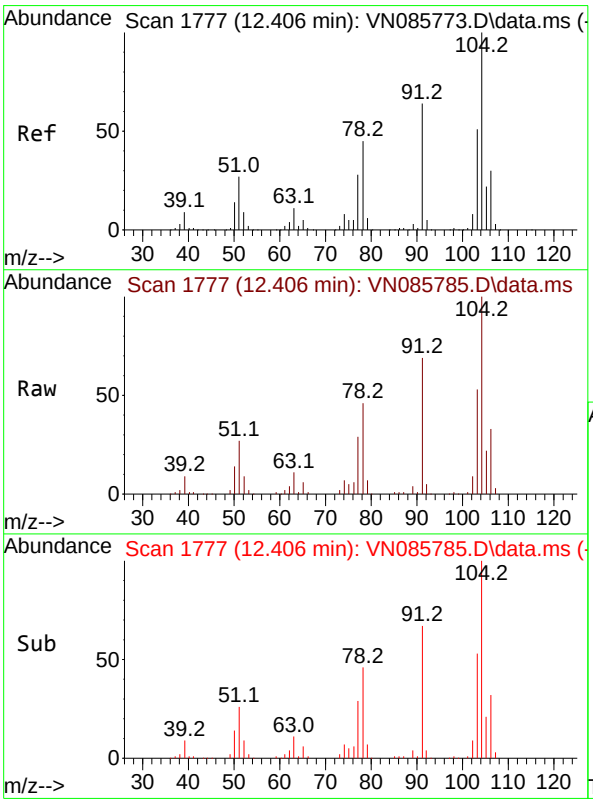
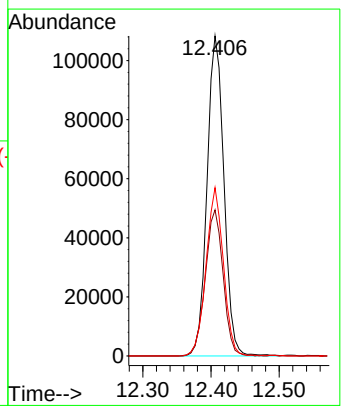
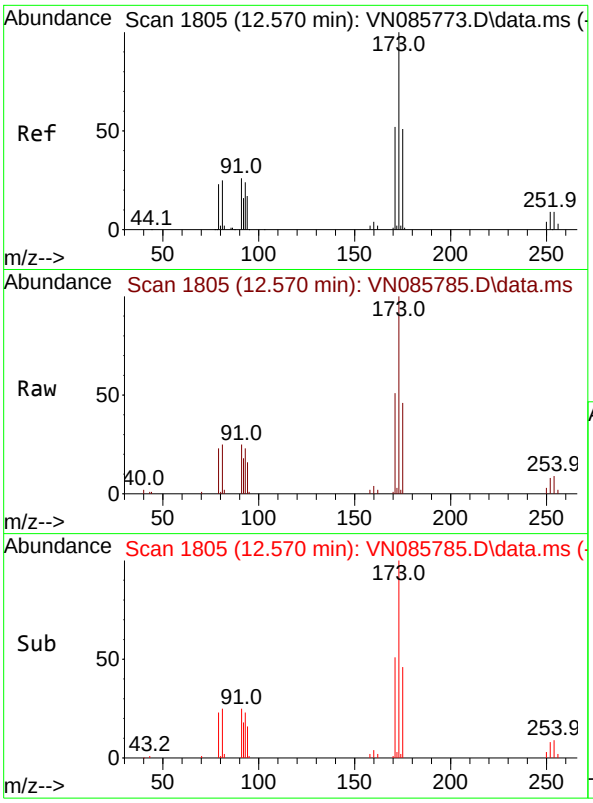


#70
Styrene
Concen: 18.723 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:104 Resp: 186581

Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.0	58.6
103	54.1	43.3	64.9

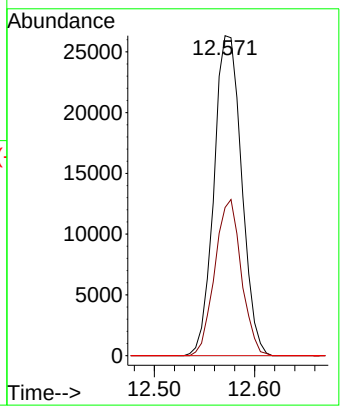




#71
Bromoform
Concen: 18.341 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:173 Resp: 5031

Ion	Ratio	Lower	Upper
173	100		
175	46.7	25.1	75.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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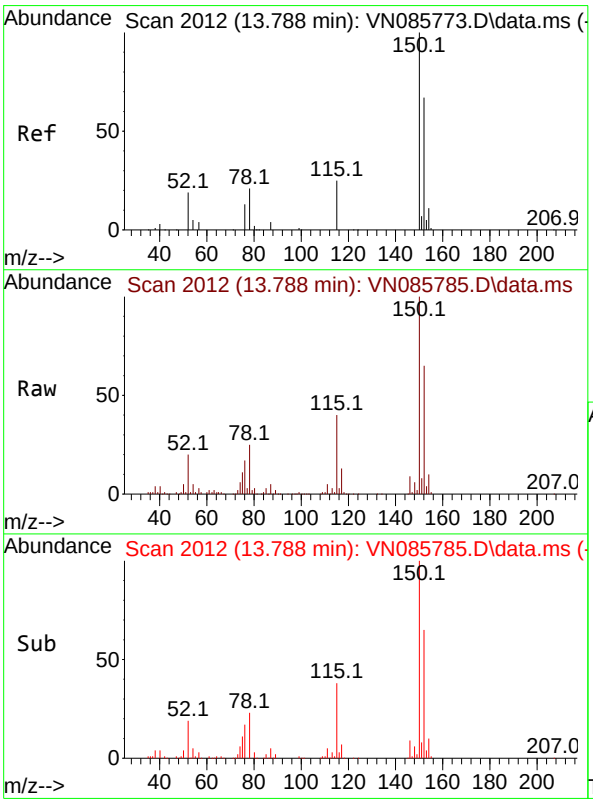
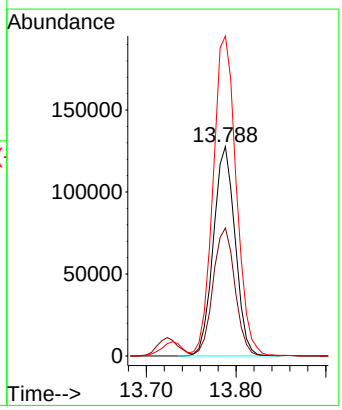
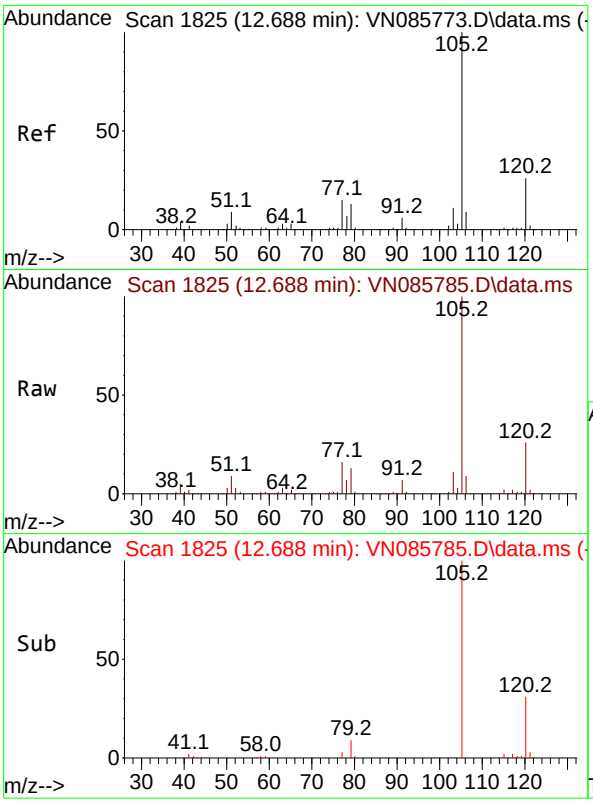


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:152 Resp: 214627

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.4	91.3
150	163.4	0.0	345.4





#73
Isopropylbenzene
Concen: 18.836 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:105 Resp: 27696

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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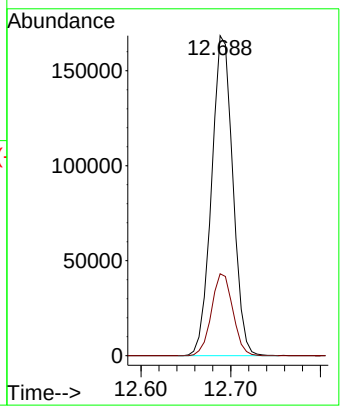
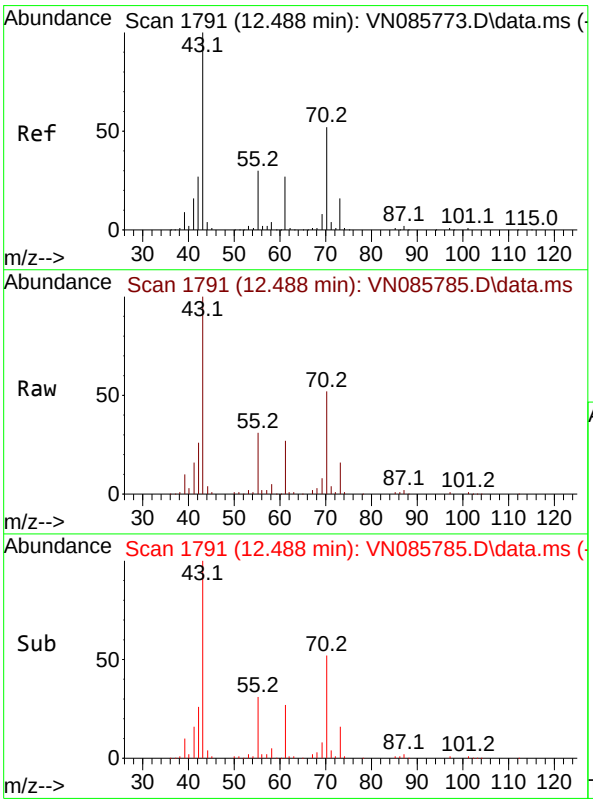
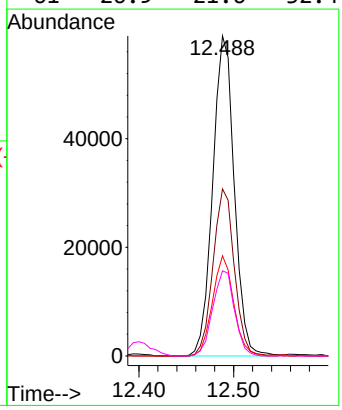


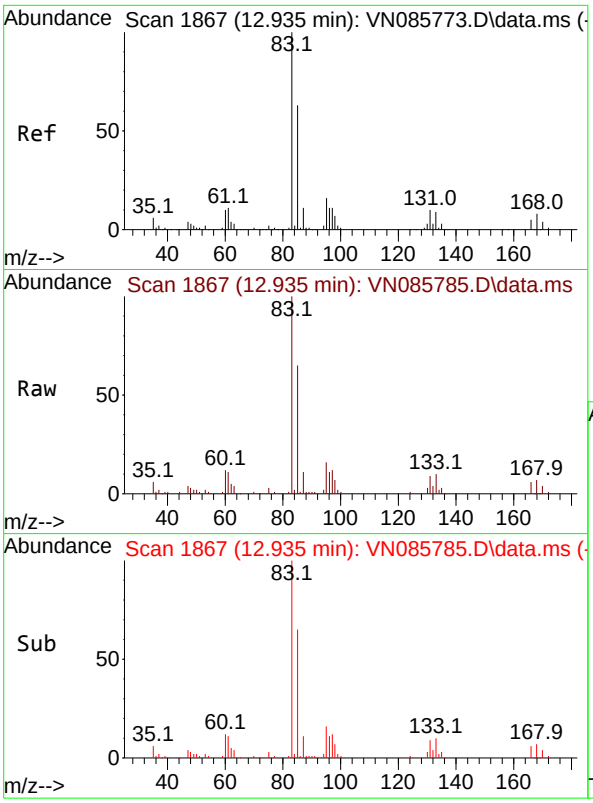


#74
N-amyl acetate
Concen: 17.952 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 93083

Ion	Ratio	Lower	Upper
43	100		
70	51.6	41.0	61.4
55	30.8	24.6	36.8
61	26.9	21.6	32.4





#75
1,1,2,2-Tetrachloroethane
Concen: 16.559 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 83 Resp: 8378

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	65.1	32.2	96.6

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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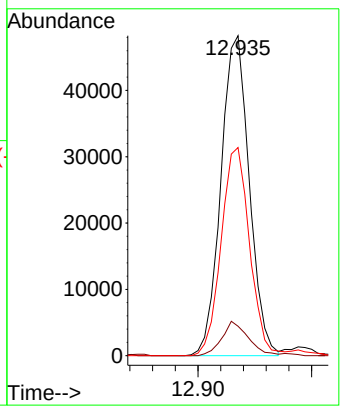
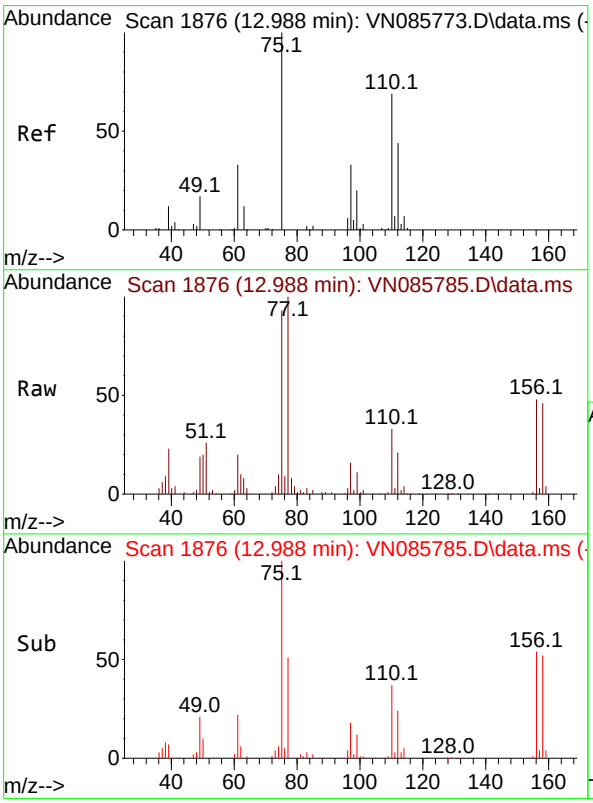
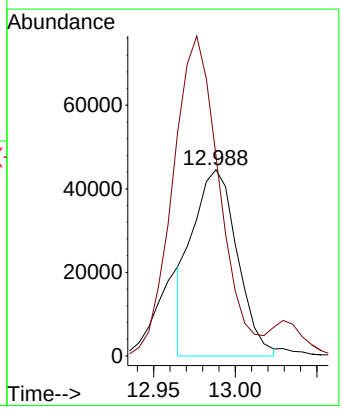


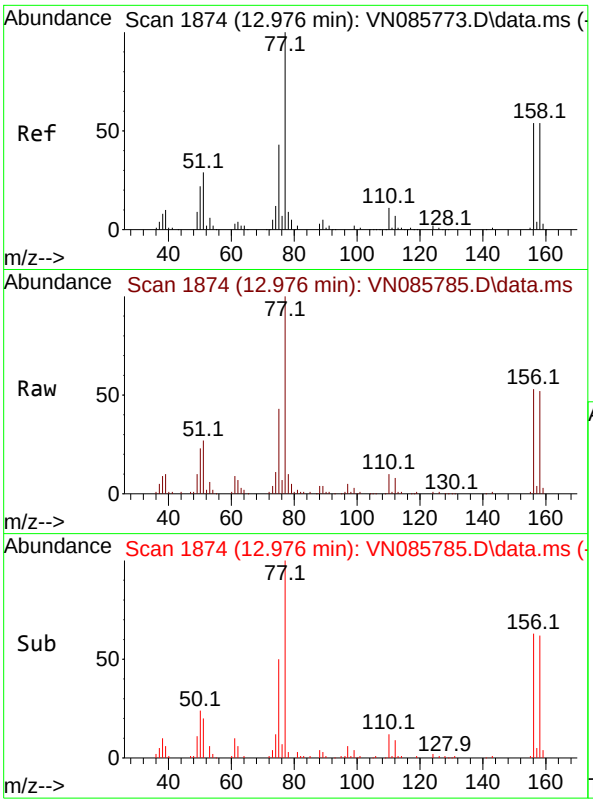


#76
1,2,3-Trichloropropane
Concen: 17.762 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 84684

Ion	Ratio	Lower	Upper
75	100		
77	180.4	100.0	300.0

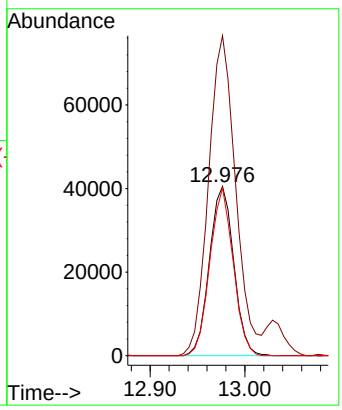




#77
Bromobenzene
Concen: 18.216 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:156 Resp: 7236

Ion	Ratio	Lower	Upper
156	100		
77	211.1	104.1	312.3
158	94.7	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
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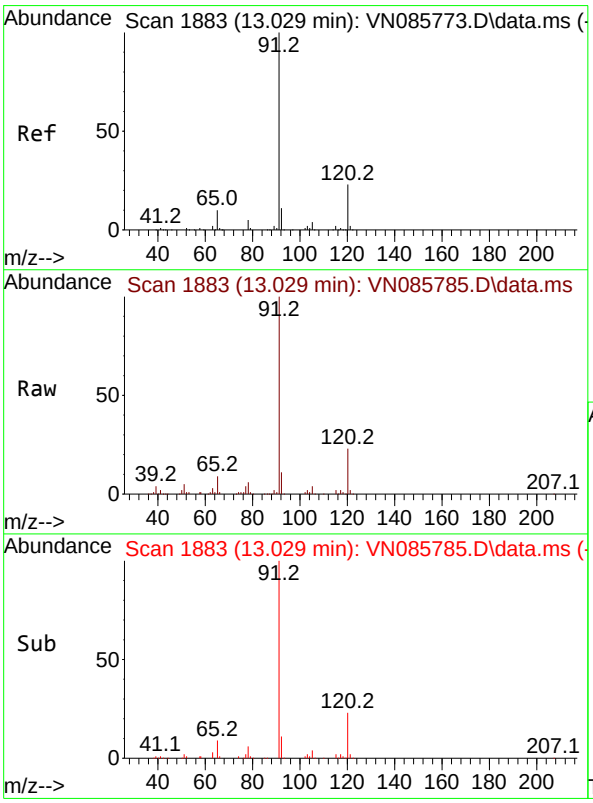
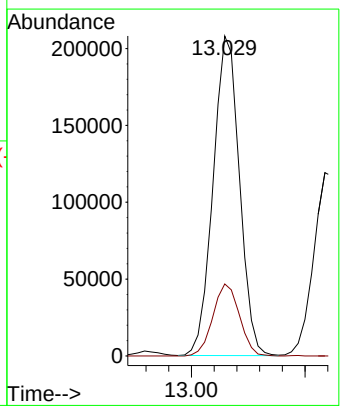
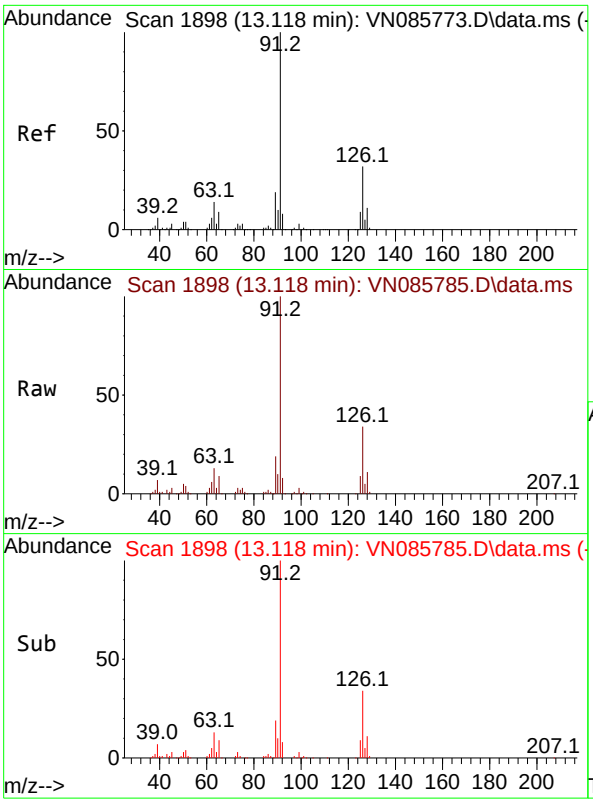


#78
n-propylbenzene
Concen: 19.882 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 91 Resp: 334808

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8

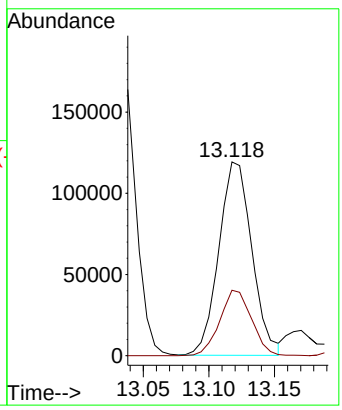




#79
2-Chlorotoluene
Concen: 18.592 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 91 Resp: 20917

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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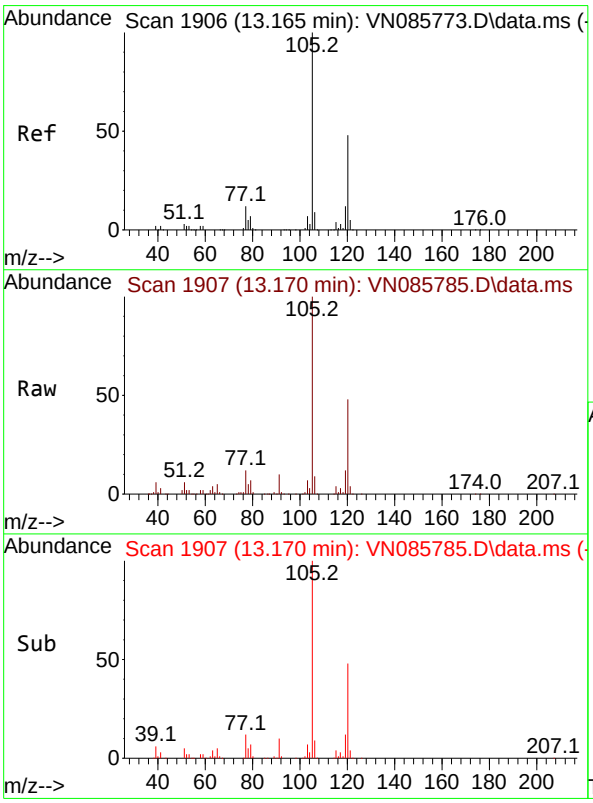
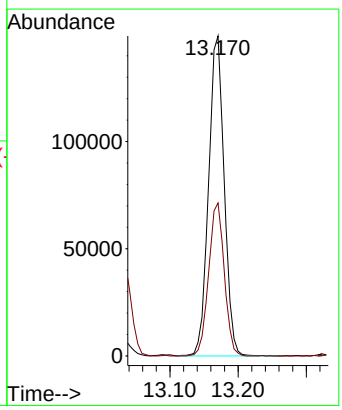
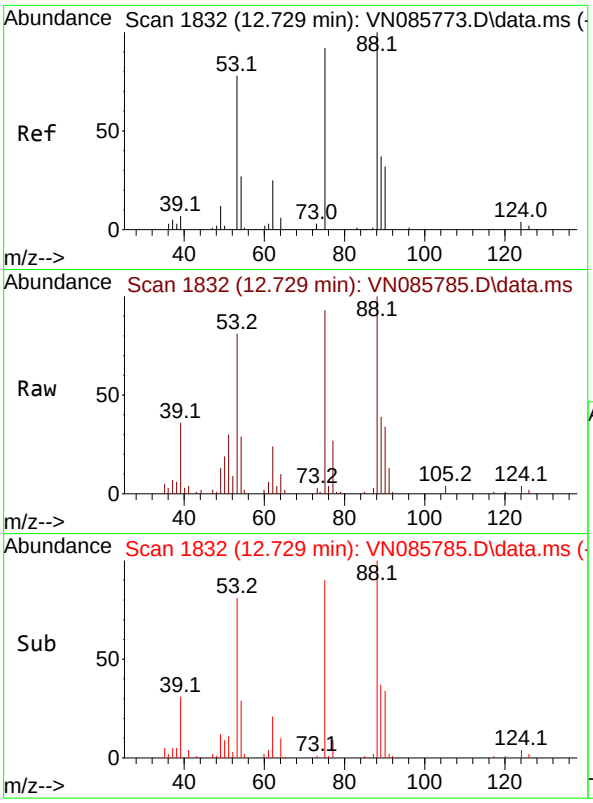


#80
1,3,5-Trimethylbenzene
Concen: 19.868 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:105 Resp: 237981

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 16.694 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 2727

Ion	Ratio	Lower	Upper
75	100		
53	93.8	74.2	111.4
89	47.8	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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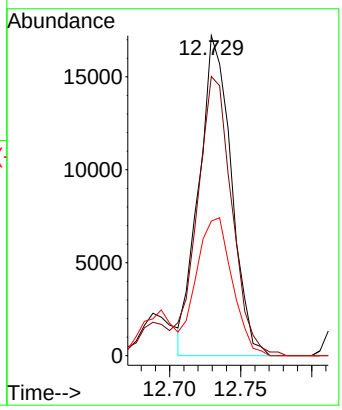
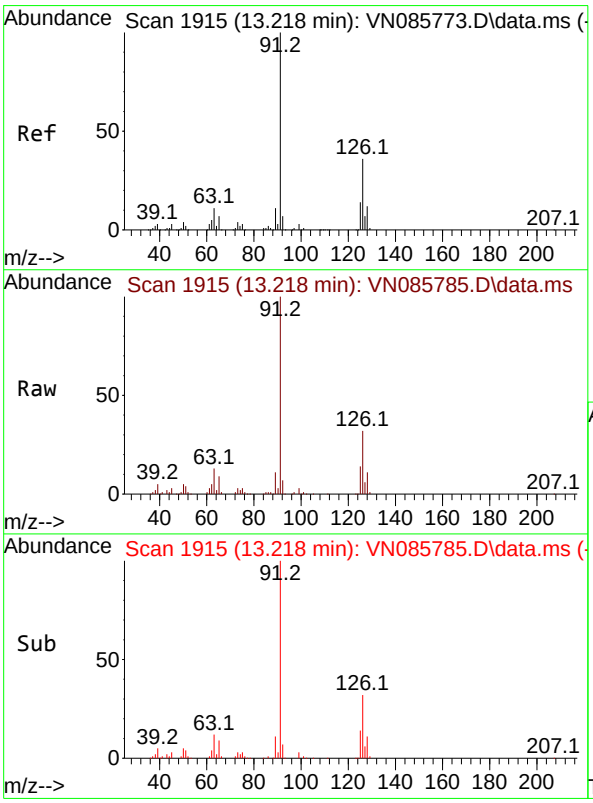
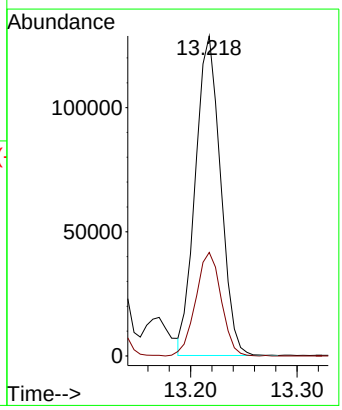


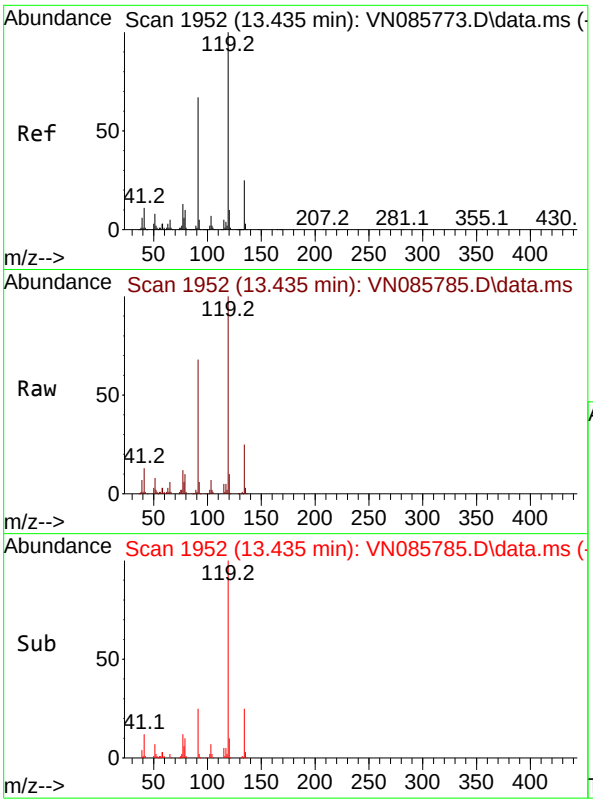


#82
4-Chlorotoluene
Concen: 18.936 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 91 Resp: 211210

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

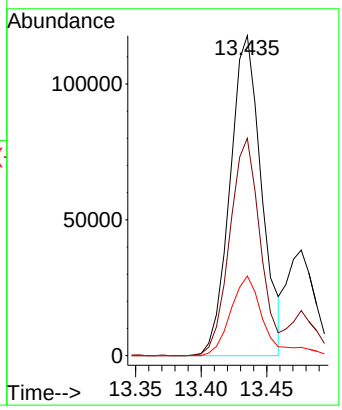




#83
tert-Butylbenzene
Concen: 19.540 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:119 Resp: 19681

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.5	97.5
134	26.3	13.3	39.9



Instrument :
MSVOA_N
ClientSampleId :
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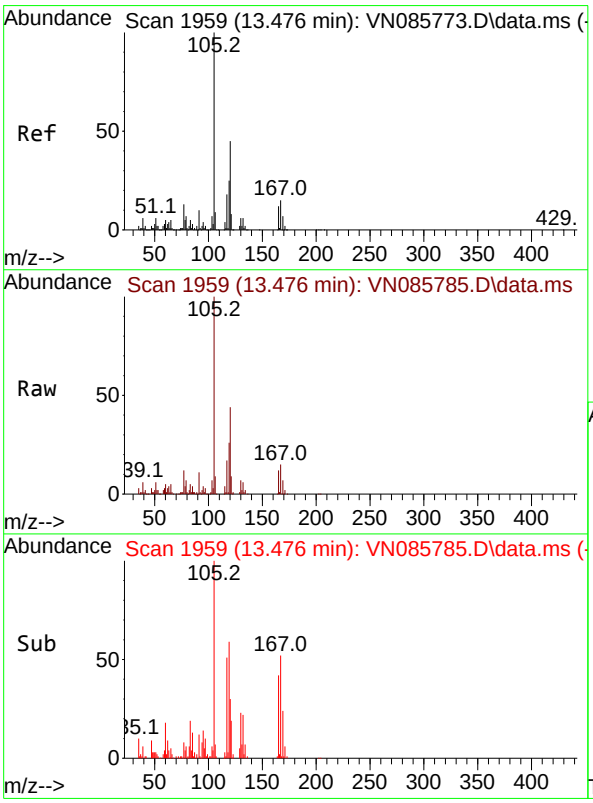
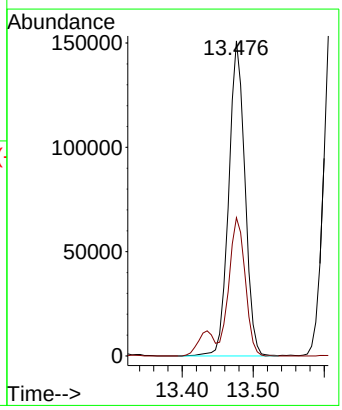
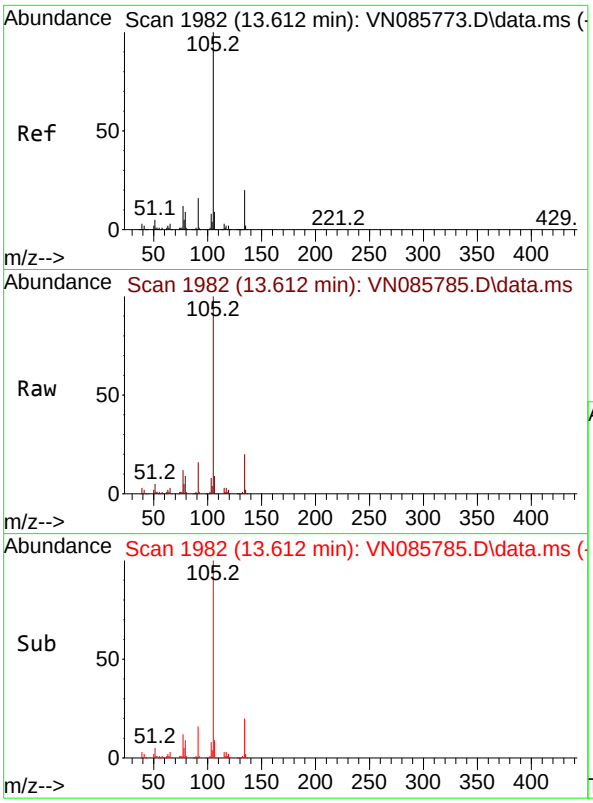


#84
1,2,4-Trimethylbenzene
Concen: 20.154 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:105 Resp: 238828

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3

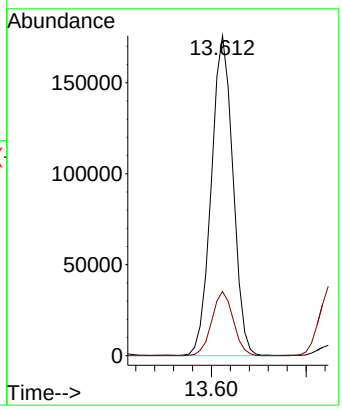




#85
sec-Butylbenzene
Concen: 19.623 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:105 Resp: 27925

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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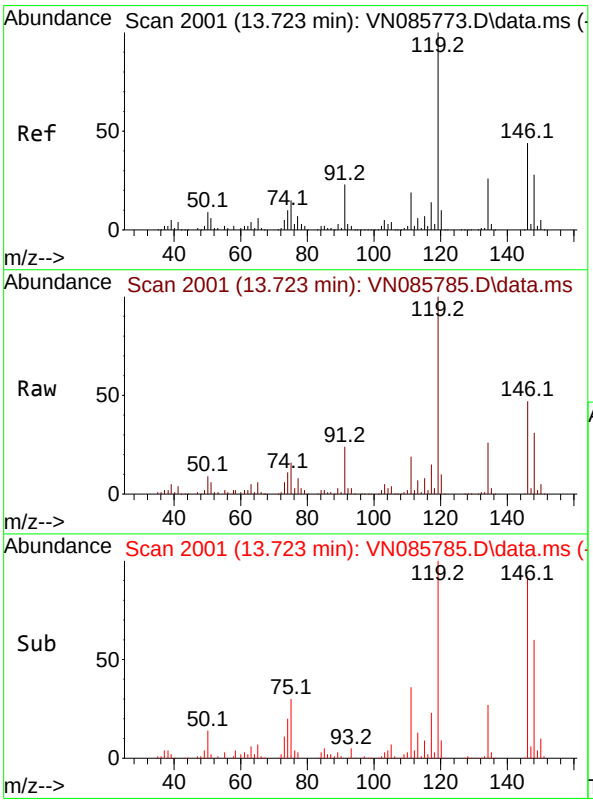
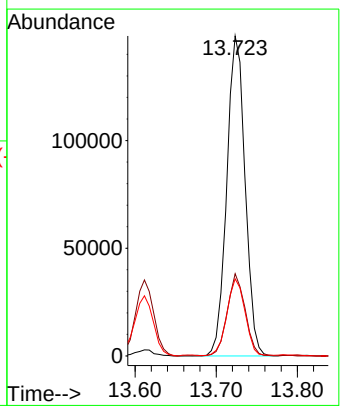
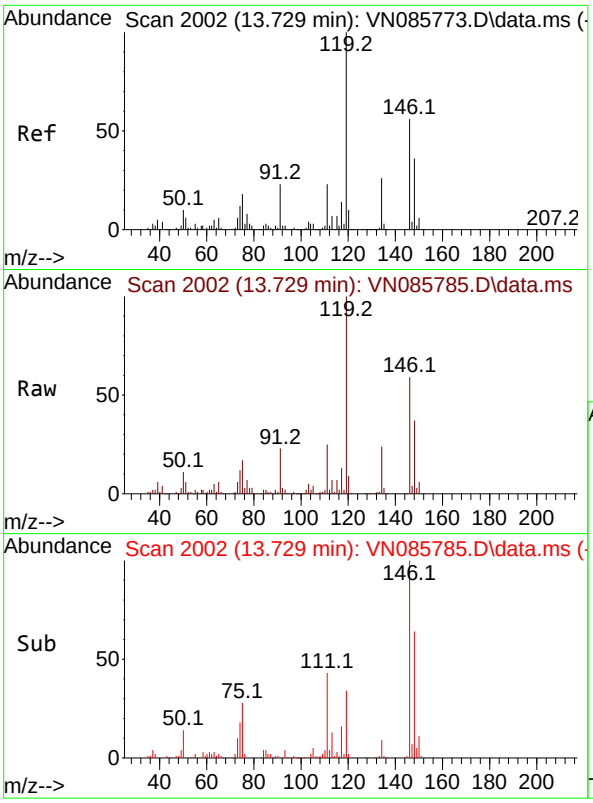


#86
p-Isopropyltoluene
Concen: 19.175 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:119 Resp: 232973

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	23.7	11.7	35.1

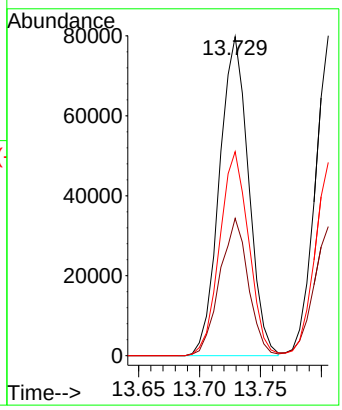




#87
1,3-Dichlorobenzene
Concen: 17.824 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:146 Resp: 13266

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	64.0	32.1	96.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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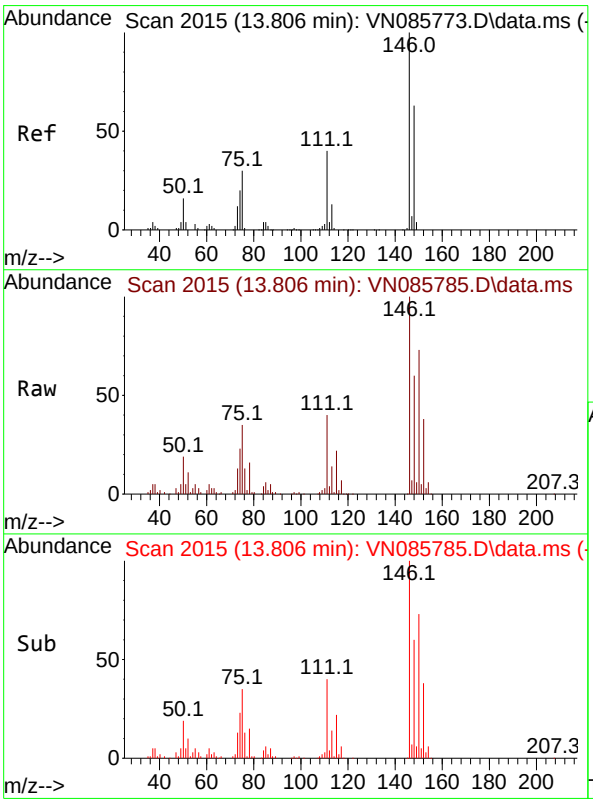
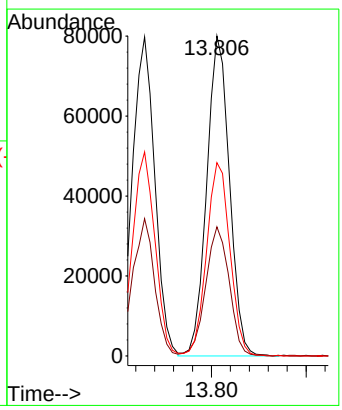
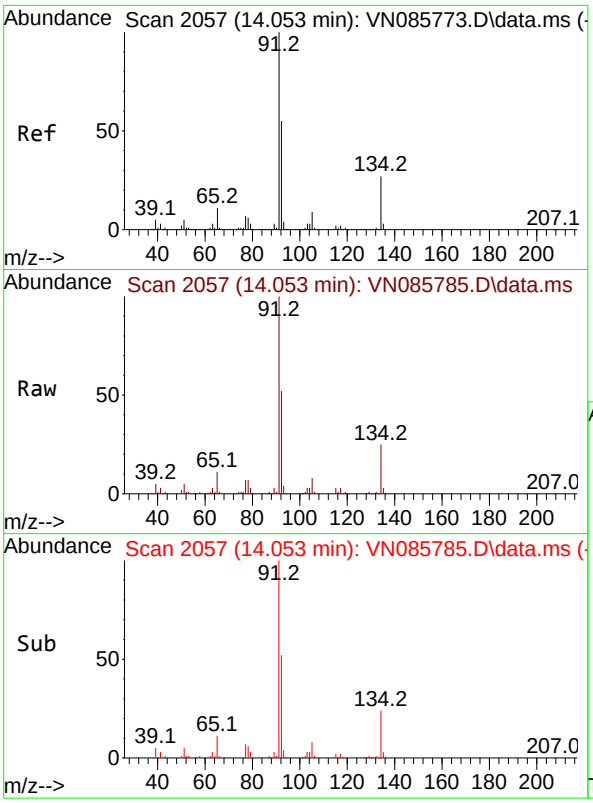


#88
1,4-Dichlorobenzene
Concen: 17.478 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:146 Resp: 133326

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	62.0	31.8	95.4

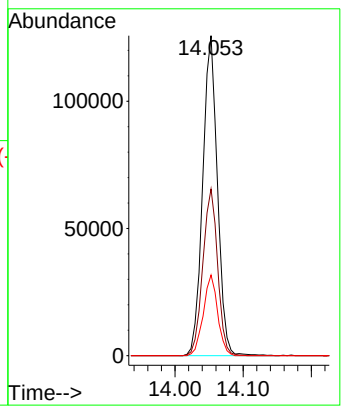




#89
n-Butylbenzene
Concen: 18.724 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 91 Resp: 18918

Ion	Ratio	Lower	Upper
91	100		
92	52.3	27.1	81.3
134	24.6	12.7	38.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

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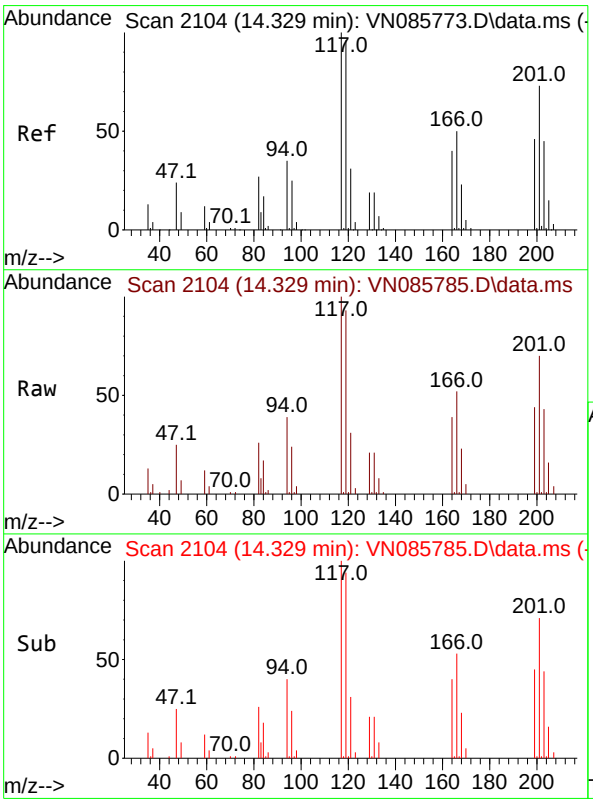
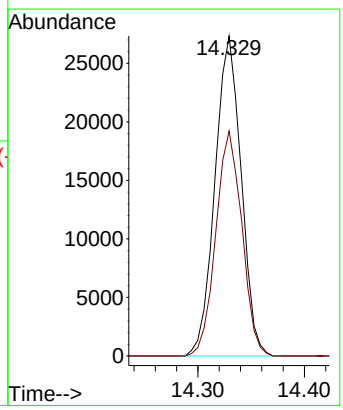
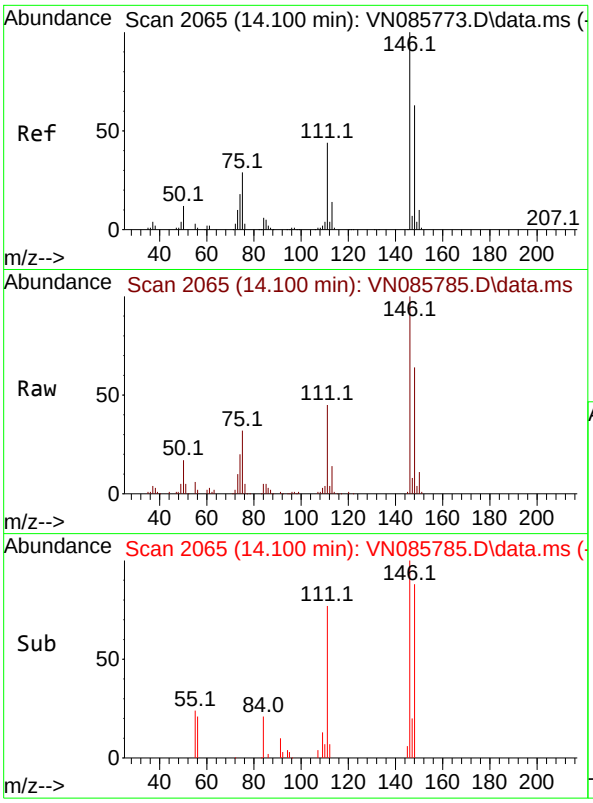


#90
Hexachloroethane
Concen: 17.311 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:117 Resp: 46657

Ion	Ratio	Lower	Upper
117	100		
201	69.9	35.6	106.9

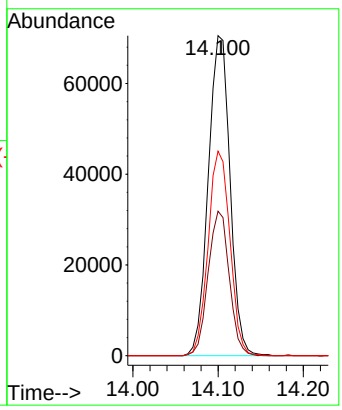




#91
1,2-Dichlorobenzene
Concen: 17.493 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:146 Resp: 12519

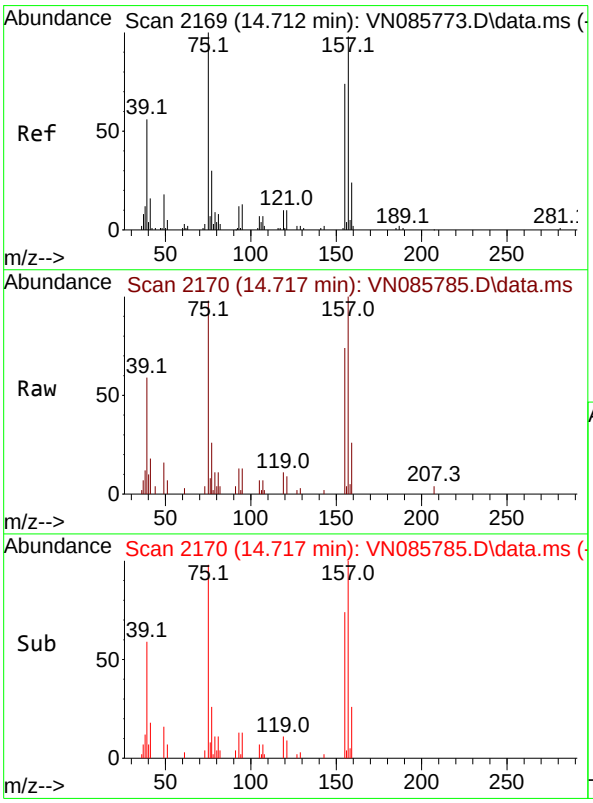
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.3
148	64.0	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
APPROVED

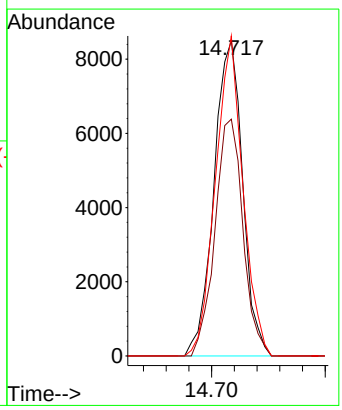
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

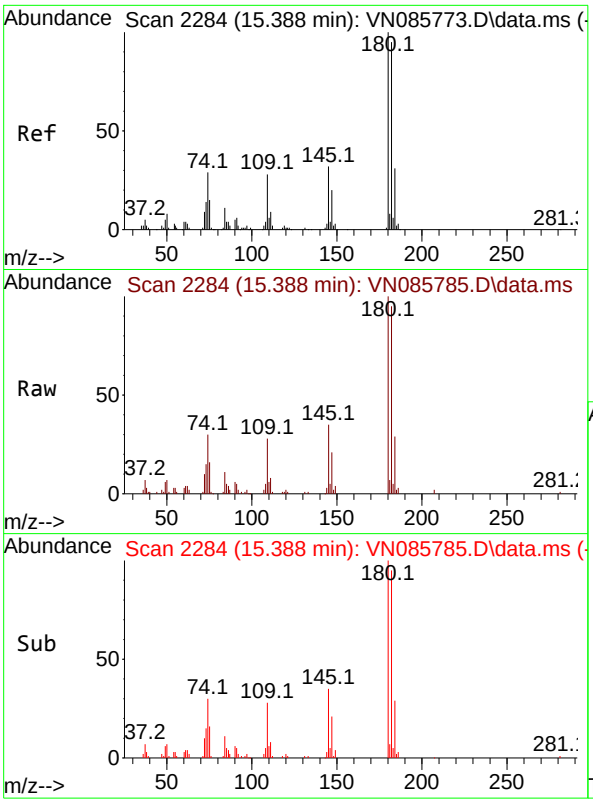


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.006 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 14872

Ion	Ratio	Lower	Upper
75	100		
155	73.6	39.9	119.6
157	97.2	49.9	149.7

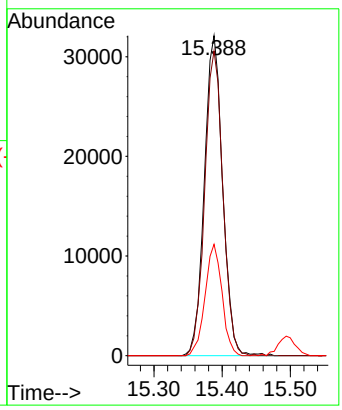




#93
1,2,4-Trichlorobenzene
Concen: 17.550 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:180 Resp: 5985

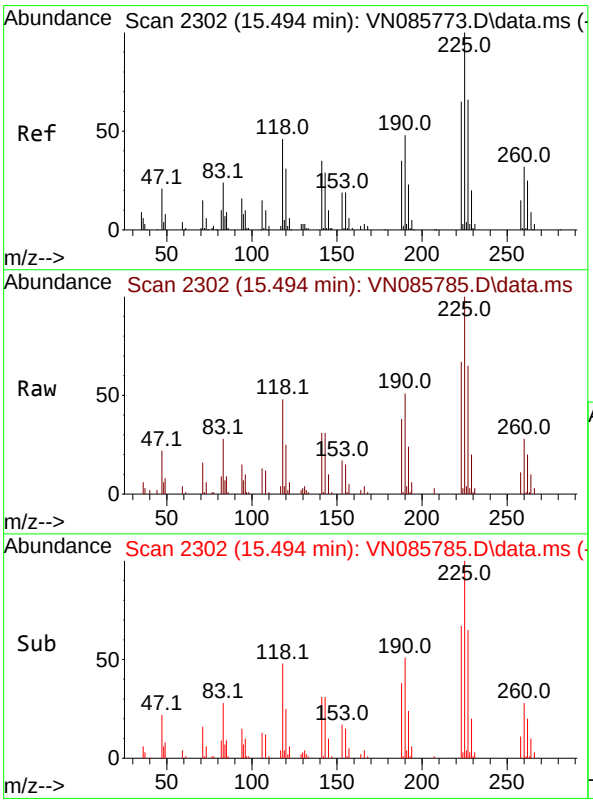
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	32.3	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations APPROVED

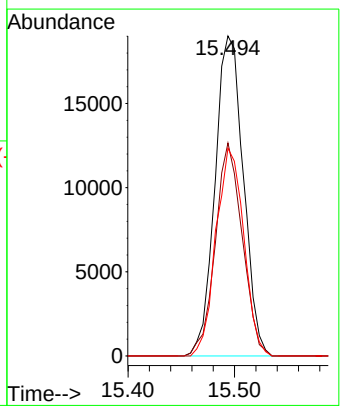
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

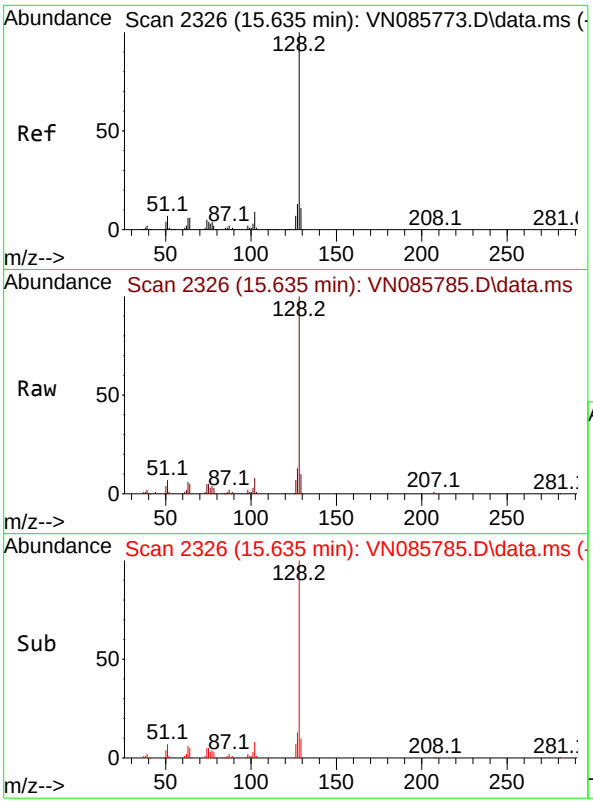


#94
Hexachlorobutadiene
Concen: 16.944 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:225 Resp: 35118

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	63.7	32.2	96.6

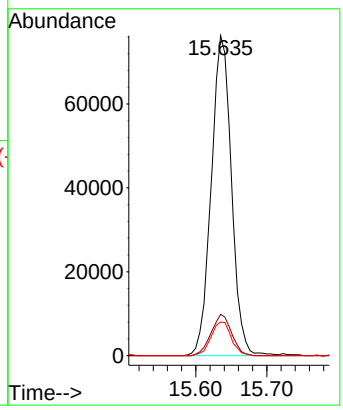




#95
Naphthalene
Concen: 16.100 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:128 Resp: 15074

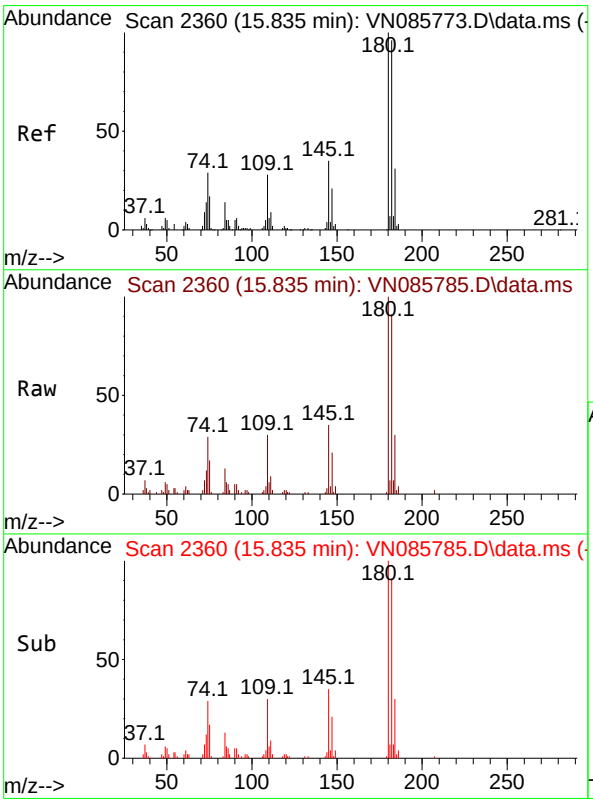
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
APPROVED

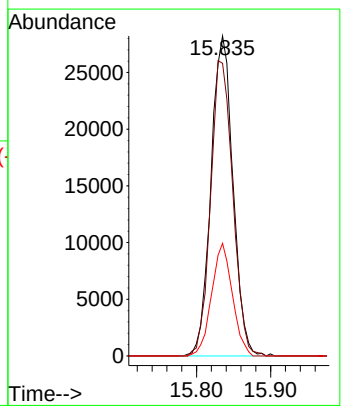
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.986 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:180 Resp: 58155

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	141.8
145	33.2	16.9	50.6



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0219SBS01	SDG No.:	Q1380
Lab Sample ID:	VY0219SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021238.D	1		02/19/25 15:49	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	30.0		1.20	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	29.0		0.77	2.50	5.00	ug/Kg
74-83-9	Bromomethane	28.3		1.00	4.00	5.00	ug/Kg
75-00-3	Chloroethane	29.1		1.00	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	24.4		0.91	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	23.3		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	23.7		0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	130		6.20	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	24.6		1.30	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.4		0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.3		3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	23.4		0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.4		0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	23.0		0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	23.3		0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.7		0.78	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.7		0.87	2.50	5.00	ug/Kg
71-43-2	Benzene	22.6		0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.7		0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	22.0		0.75	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.6		0.66	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.1		0.56	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	12.5	25.0	ug/Kg
108-88-3	Toluene	22.6		0.67	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.9		0.60	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.2		0.57	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.84	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	12.5	25.0	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0219SBS01	SDG No.:	Q1380
Lab Sample ID:	VY0219SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021238.D	1		02/19/25 15:49	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	21.4		0.65	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.8		0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	21.9		0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.9		0.62	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	45.1		1.40	5.00	10.0	ug/Kg
95-47-6	o-Xylene	22.4		0.70	2.50	5.00	ug/Kg
100-42-5	Styrene	22.2		0.60	2.50	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.81	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.67	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.10	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.1		0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.1		0.80	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		0.59	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		71 - 136		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.3		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187000	7.713				
540-36-3	1,4-Difluorobenzene	302000	8.622				
3114-55-4	Chlorobenzene-d5	256000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.352				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	187422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	302089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	255752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	127239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	96623	50.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.640	113	94052	48.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.160%			
50) Toluene-d8	10.115	98	348838	47.329	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.660%			
62) 4-Bromofluorobenzene	12.414	95	121983	50.660	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46376	27.762	ug/l	95
3) Chloromethane	2.074	50	49490	30.024	ug/l	98
4) Vinyl Chloride	2.208	62	48103	28.993	ug/l	99
5) Bromomethane	2.604	94	28987	28.268	ug/l	97
6) Chloroethane	2.745	64	28721	29.080	ug/l	98
7) Trichlorofluoromethane	3.068	101	73884	24.443	ug/l	99
8) Diethyl Ether	3.464	74	21968	23.281	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.830	101	44280	23.341	ug/l	98
10) Methyl Iodide	4.019	142	48916	23.209	ug/l	93
11) Tert butyl alcohol	4.885	59	14572	111.981	ug/l #	92
12) 1,1-Dichloroethene	3.805	96	42418	23.737	ug/l	95
13) Acrolein	3.659	56	17095	85.311	ug/l	98
14) Allyl chloride	4.397	41	72775	24.163	ug/l	96
15) Acrylonitrile	5.067	53	44404	113.006	ug/l	98
16) Acetone	3.885	43	39310	131.268	ug/l	94
17) Carbon Disulfide	4.116	76	137791	24.590	ug/l	99
18) Methyl Acetate	4.391	43	23178	22.048	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	105645	23.389	ug/l	97
20) Methylene Chloride	4.628	84	45224	24.293	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	45969	23.369	ug/l	97
22) Diisopropyl ether	6.025	45	150882	24.305	ug/l	93
23) Vinyl Acetate	5.970	43	412742	119.267	ug/l	98
24) 1,1-Dichloroethane	5.927	63	85267	23.444	ug/l	98
25) 2-Butanone	6.909	43	58186	118.240	ug/l	96
26) 2,2-Dichloropropane	6.890	77	77868	23.138	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	51981	22.958	ug/l	91
28) Bromochloromethane	7.256	49	29792	20.715	ug/l	100
29) Tetrahydrofuran	7.268	42	38714	116.263	ug/l	95
30) Chloroform	7.433	83	86955	23.276	ug/l	99
31) Cyclohexane	7.707	56	77540	23.674	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78817	22.692	ug/l	100
36) 1,1-Dichloropropene	7.841	75	63470	22.134	ug/l	99
37) Ethyl Acetate	6.994	43	28755	22.858	ug/l	100
38) Carbon Tetrachloride	7.823	117	71680	21.393	ug/l	99
39) Methylcyclohexane	9.115	83	79691	22.720	ug/l	98
40) Benzene	8.085	78	190547	22.643	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	14636	20.111	ug/l		95
42) 1,2-Dichloroethane	8.164	62	52885	22.655	ug/l		96
43) Isopropyl Acetate	8.201	43	54845	21.942	ug/l		98
44) Trichloroethene	8.872	130	47883	22.024	ug/l		92
45) 1,2-Dichloropropane	9.146	63	45225	22.642	ug/l		98
46) Dibromomethane	9.237	93	23475	21.227	ug/l		95
47) Bromodichloromethane	9.432	83	65662	22.139	ug/l		95
48) Methyl methacrylate	9.225	41	26336	23.131	ug/l		94
49) 1,4-Dioxane	9.243	88	4617	448.469	ug/l		91
51) 4-Methyl-2-Pentanone	10.006	43	138316	110.039	ug/l		96
52) Toluene	10.176	92	119448	22.606	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	58250	21.872	ug/l		95
54) cis-1,3-Dichloropropene	9.865	75	69958	22.186	ug/l		93
55) 1,1,2-Trichloroethane	10.579	97	31141	21.745	ug/l		96
56) Ethyl methacrylate	10.444	69	41640	21.735	ug/l		93
57) 1,3-Dichloropropane	10.725	76	55442	22.367	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	92595	101.594	ug/l		99
59) 2-Hexanone	10.768	43	89716	110.855	ug/l		96
60) Dibromochloromethane	10.920	129	43058	21.410	ug/l		97
61) 1,2-Dibromoethane	11.018	107	29203	21.771	ug/l		98
64) Tetrachloroethene	10.652	164	41352	21.781	ug/l		96
65) Chlorobenzene	11.450	112	124714	21.900	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	44369	21.924	ug/l		98
67) Ethyl Benzene	11.524	91	220992	21.940	ug/l		99
68) m/p-Xylenes	11.633	106	170065	45.133	ug/l		98
69) o-Xylene	11.963	106	78675	22.395	ug/l		96
70) Styrene	11.975	104	130042	22.209	ug/l		97
71) Bromoform	12.139	173	24089	21.385	ug/l	#	98
73) Isopropylbenzene	12.261	105	211405	21.270	ug/l		100
74) N-amyl acetate	12.078	43	45761	21.059	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	34149	20.659	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	21289m	18.445	ug/l		
77) Bromobenzene	12.542	156	47410	20.670	ug/l		96
78) n-propylbenzene	12.603	91	255730	21.599	ug/l		99
79) 2-Chlorotoluene	12.688	91	145452	21.449	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	173873	21.577	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	11131	19.678	ug/l		87
82) 4-Chlorotoluene	12.786	91	151381	21.910	ug/l		98
83) tert-Butylbenzene	13.005	119	155556	21.237	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	170537	21.644	ug/l		100
85) sec-Butylbenzene	13.182	105	222457	21.099	ug/l		98
86) p-Isopropyltoluene	13.298	119	185286	21.155	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	93571	21.128	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	92191	21.142	ug/l		99
89) n-Butylbenzene	13.627	91	169011	21.153	ug/l		98
90) Hexachloroethane	13.889	117	38075	20.838	ug/l		88
91) 1,2-Dichlorobenzene	13.663	146	80080	20.833	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5034	20.379	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	44493	20.795	ug/l		98
94) Hexachlorobutadiene	15.029	225	29370	20.714	ug/l		98
95) Naphthalene	15.151	128	69571	20.324	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	36476	20.486	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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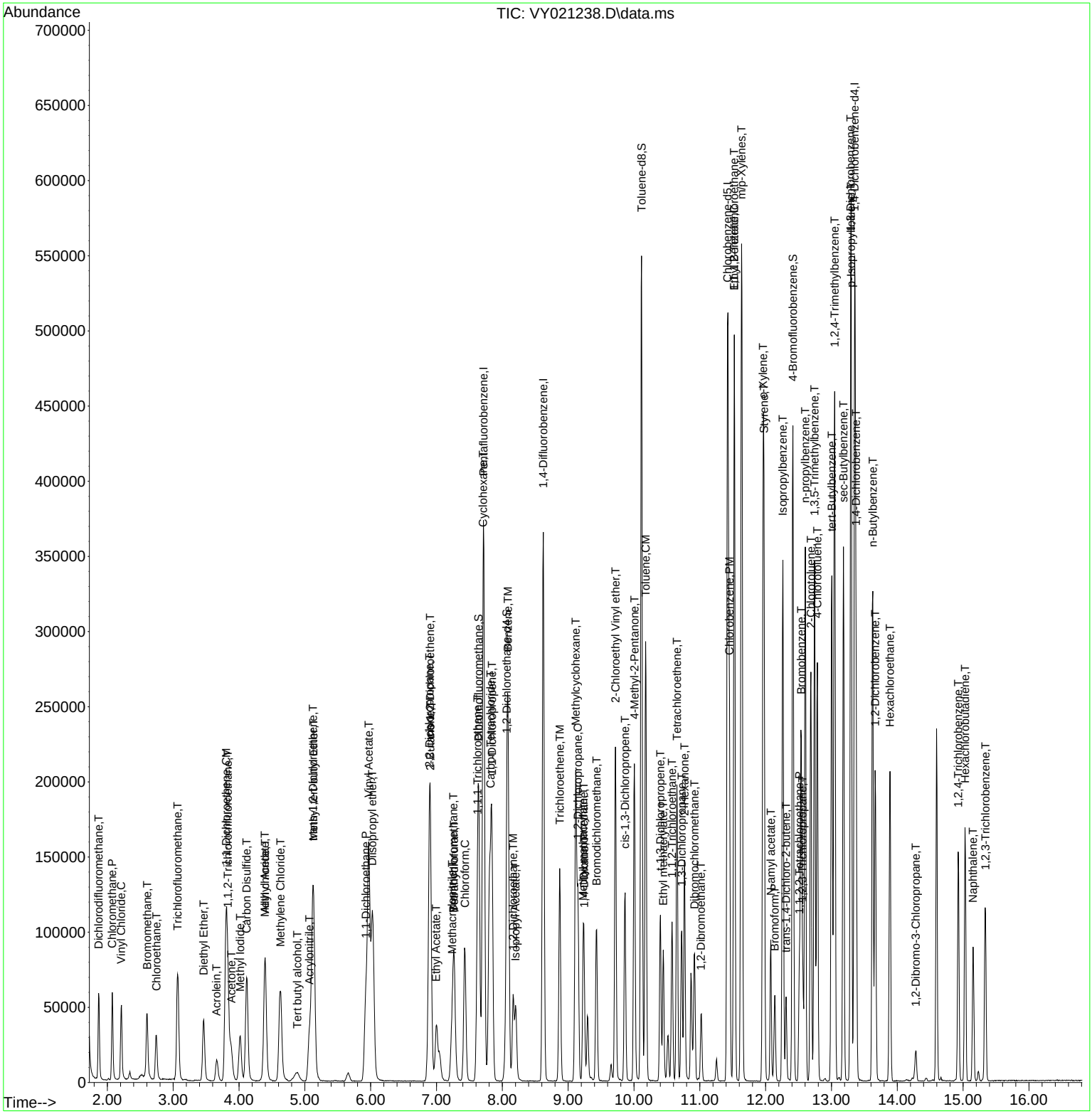

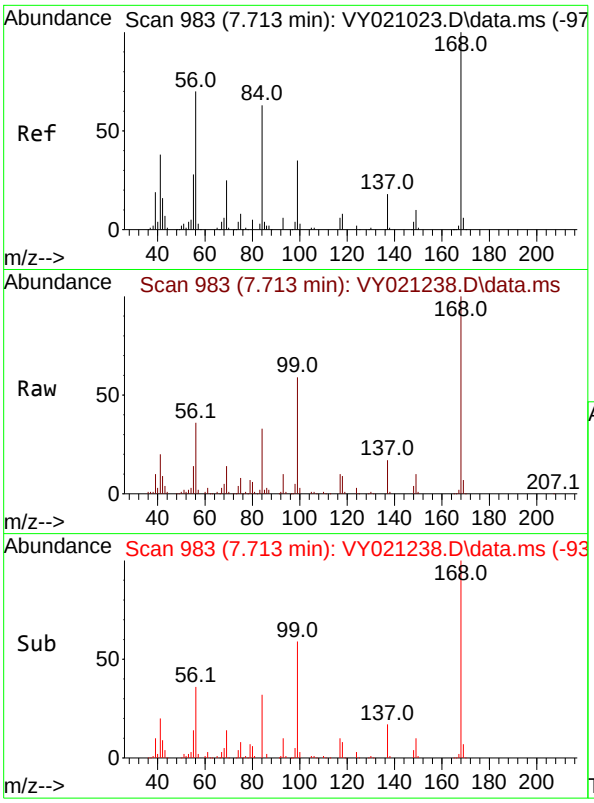

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:168 Resp: 18742

Ion	Ratio	Lower	Upper
168	100		
99	58.8	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
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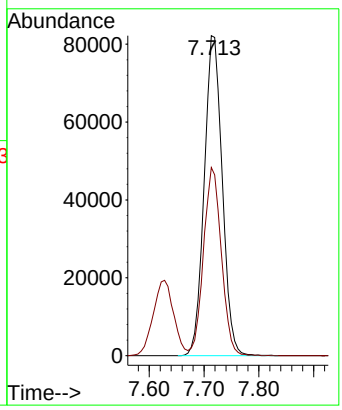
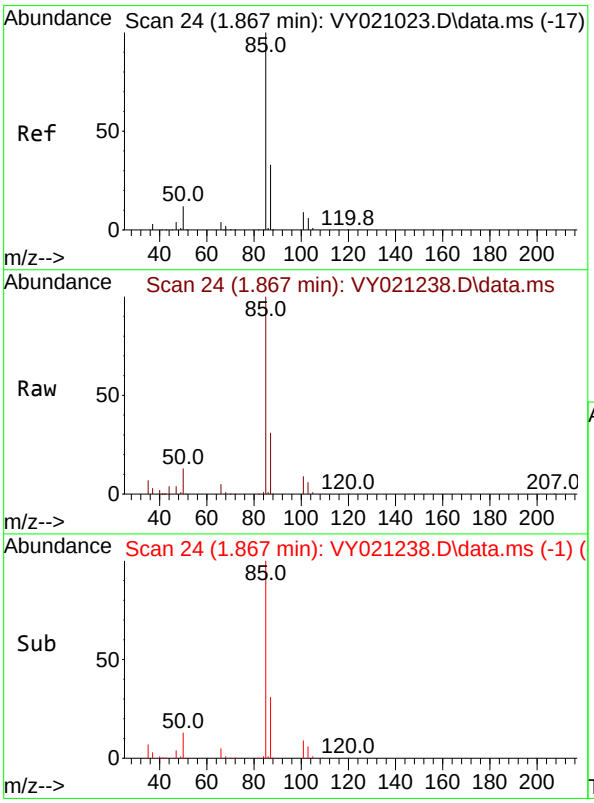
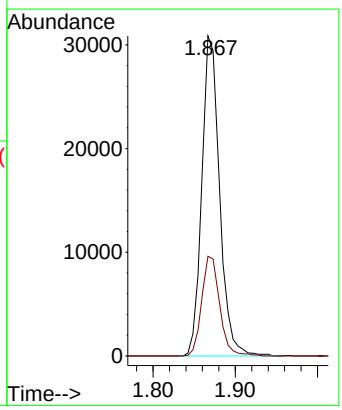


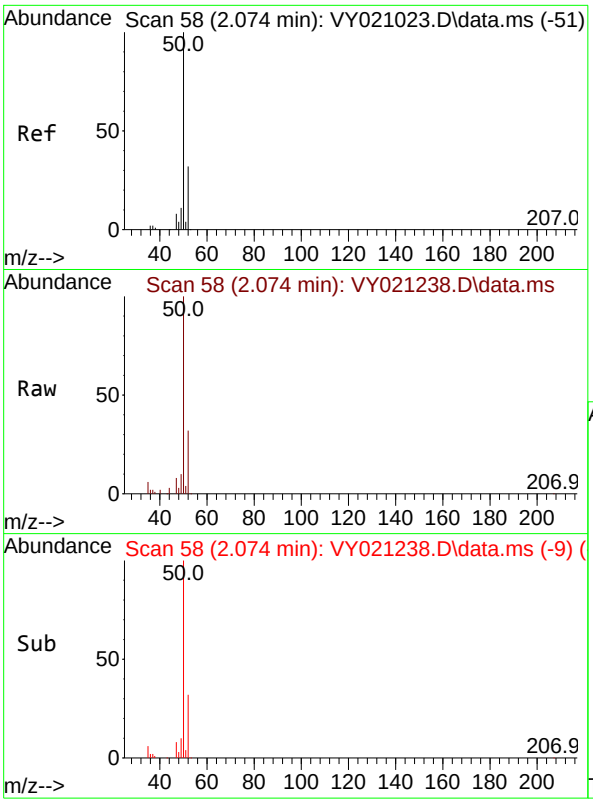


#2
Dichlorodifluoromethane
Concen: 27.762 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 85 Resp: 46376

Ion	Ratio	Lower	Upper
85	100		
87	31.1	17.1	51.3

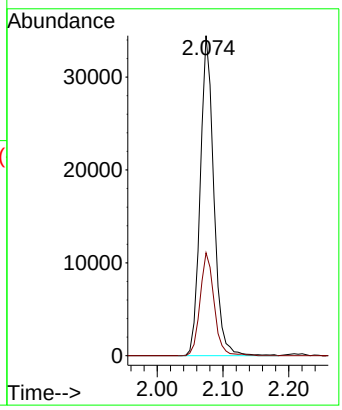




#3
Chloromethane
Concen: 30.024 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 50 Resp: 4949

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
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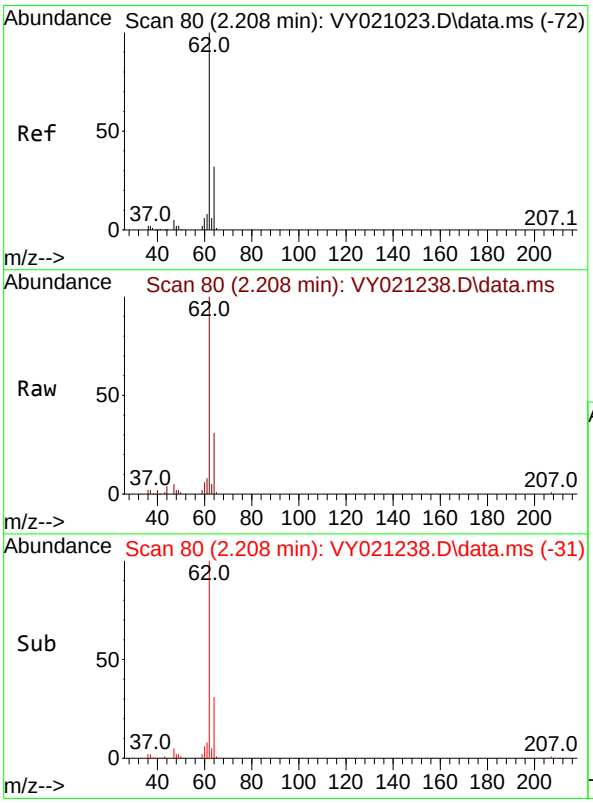
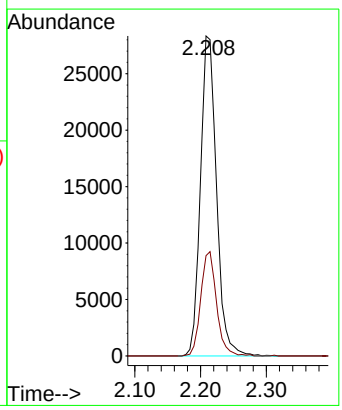
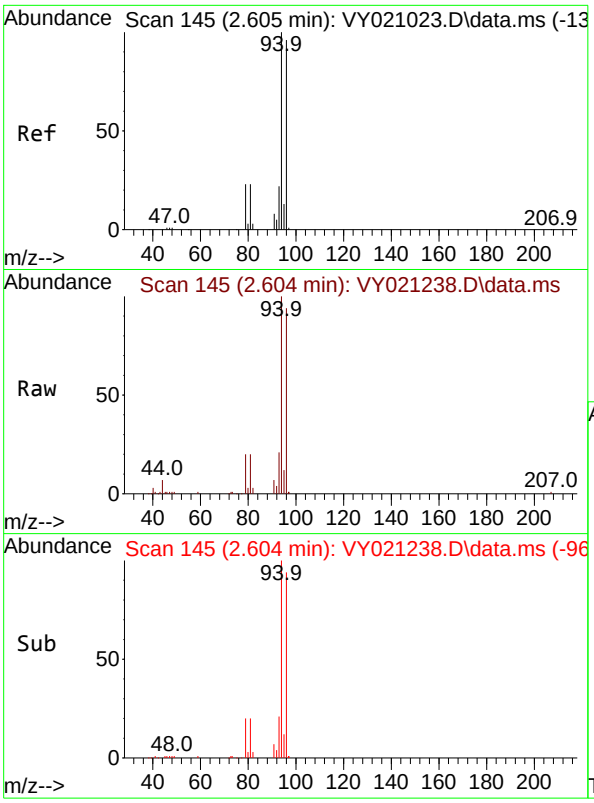


#4
Vinyl Chloride
Concen: 28.993 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 48103

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.7	38.5





#5
Bromomethane
Concen: 28.268 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 94 Resp: 2898

Ion	Ratio	Lower	Upper
94	100		
96	93.8	77.3	115.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
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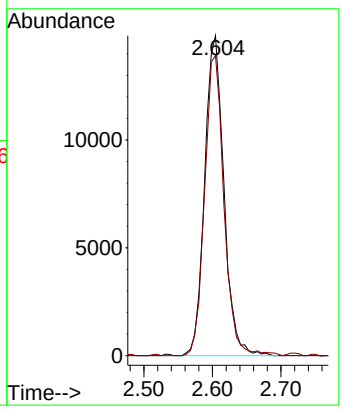
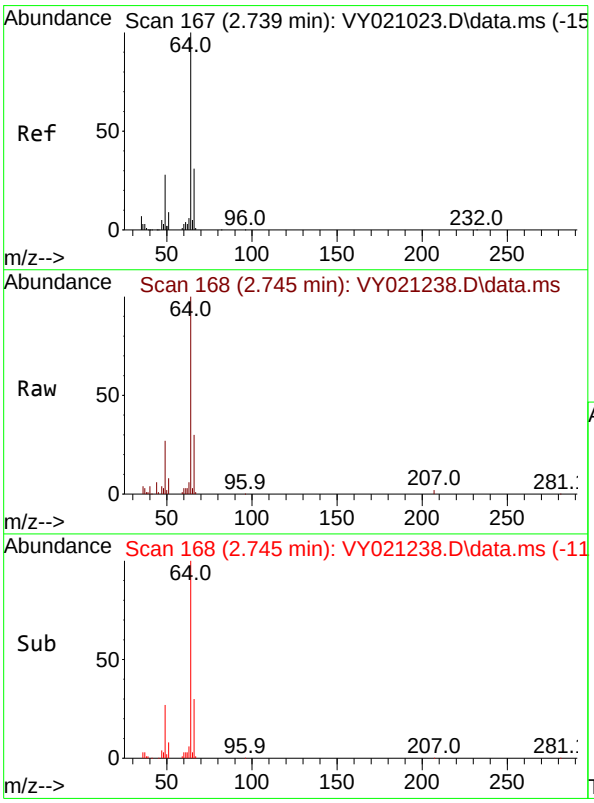
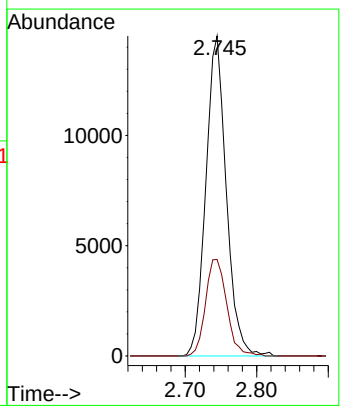


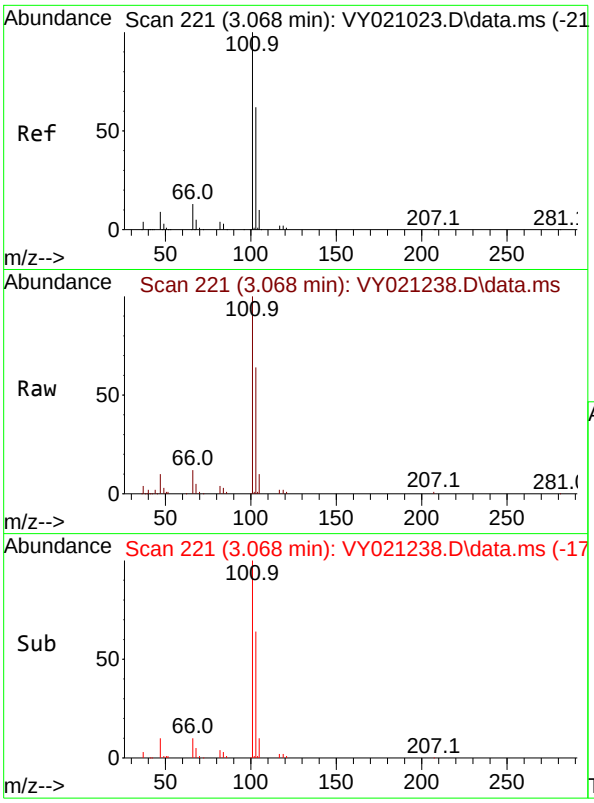


#6
Chloroethane
Concen: 29.080 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 64 Resp: 28721

Ion	Ratio	Lower	Upper
64	100		
66	30.2	25.1	37.7

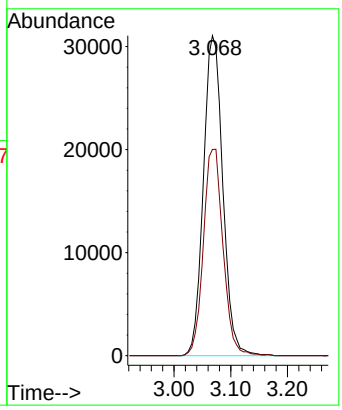




#7
Trichlorofluoromethane
Concen: 24.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:101 Resp: 7388

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
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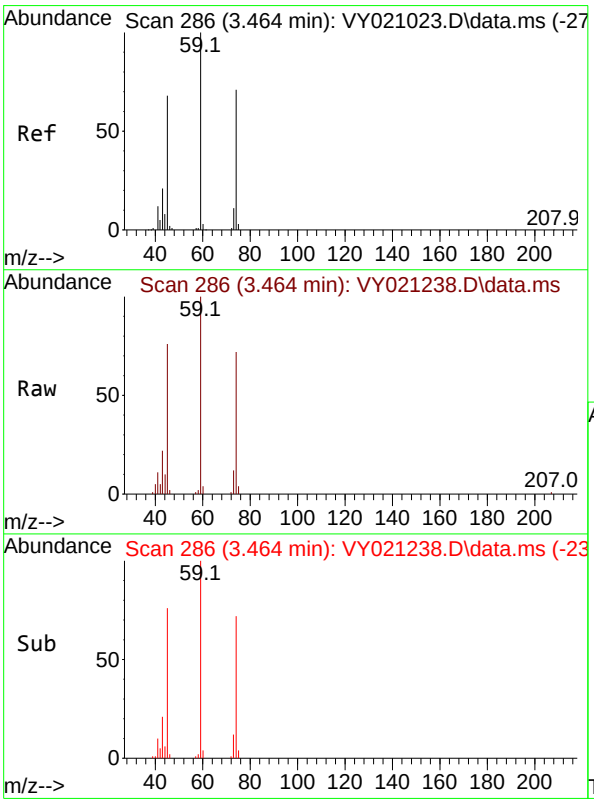
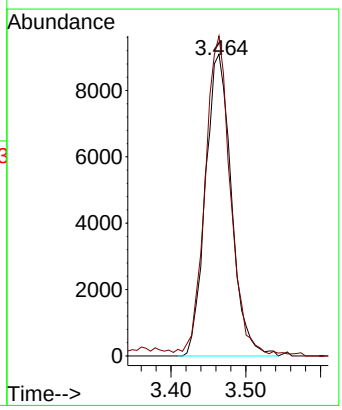
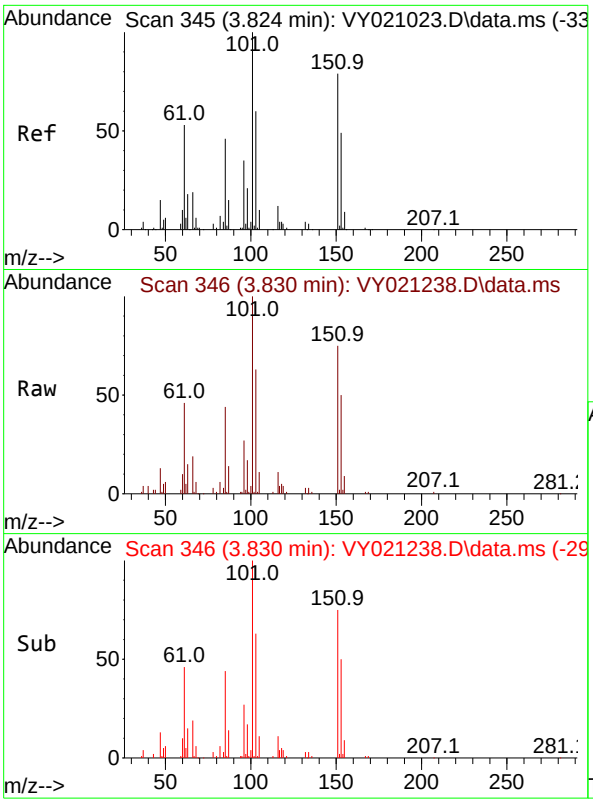


#8
Diethyl Ether
Concen: 23.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 74 Resp: 21968

Ion	Ratio	Lower	Upper
74	100		
45	101.4	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.341 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:101 Resp: 4428

Ion	Ratio	Lower	Upper
101	100		
85	45.6	35.8	53.6
151	75.2	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
APPROVED

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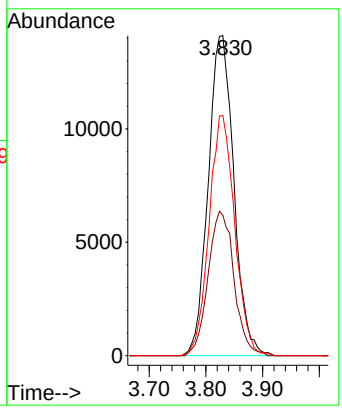
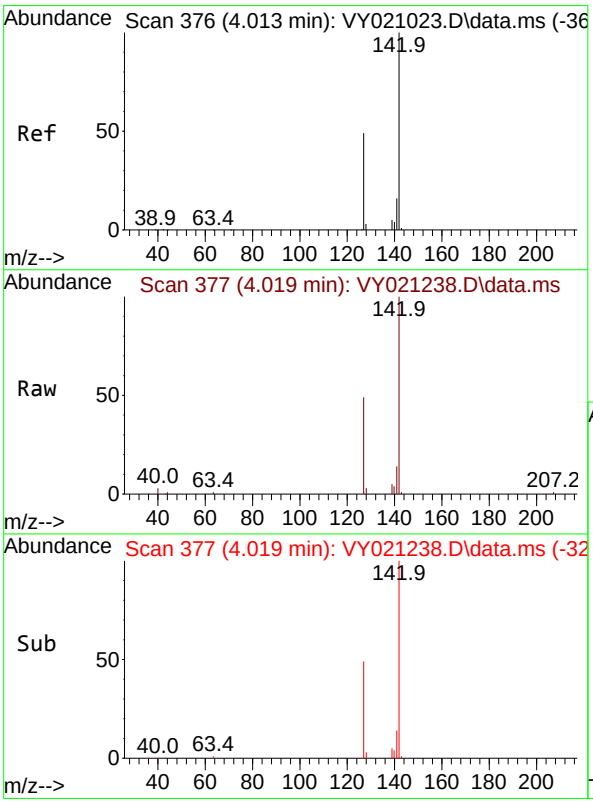
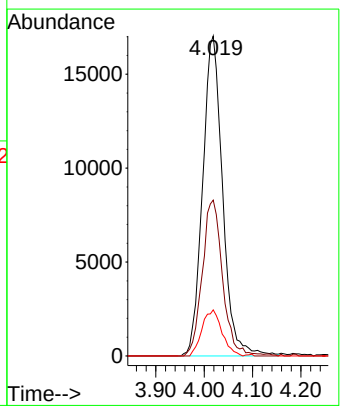


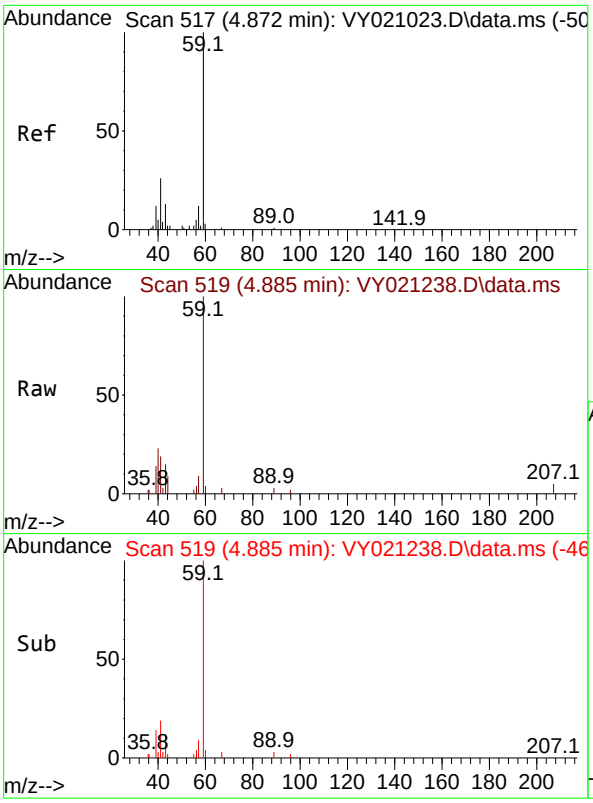


#10
Methyl Iodide
Concen: 23.209 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:142 Resp: 48916

Ion	Ratio	Lower	Upper
142	100		
127	49.7	35.1	52.7
141	14.4	11.8	17.6

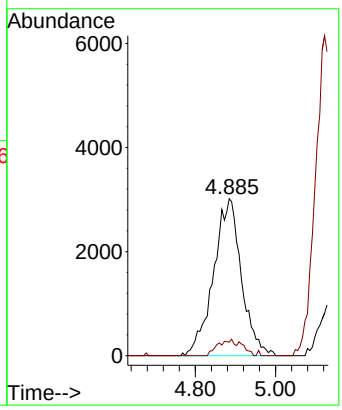




#11
Tert butyl alcohol
Concen: 111.981 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 59 Resp: 1457

Ion	Ratio	Lower	Upper
59	100		
57	6.3	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
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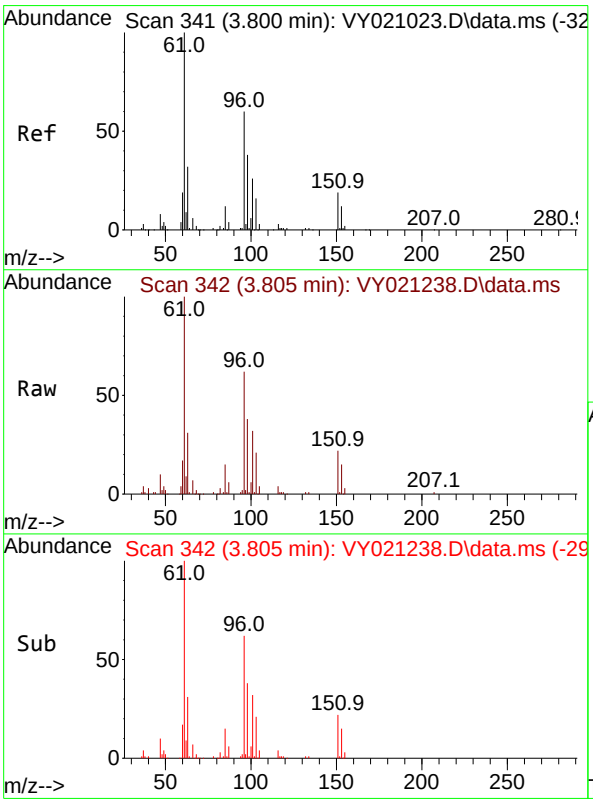
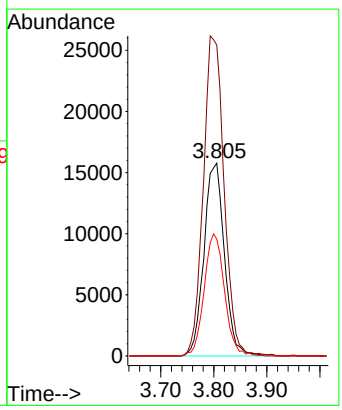
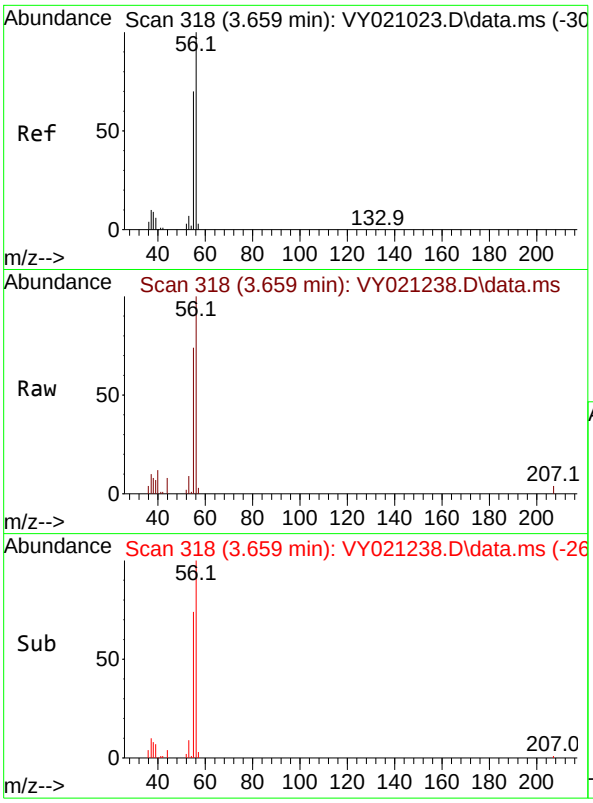


#12
1,1-Dichloroethene
Concen: 23.737 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 42418

Ion	Ratio	Lower	Upper
96	100		
61	161.2	124.2	186.2
98	60.7	52.6	79.0

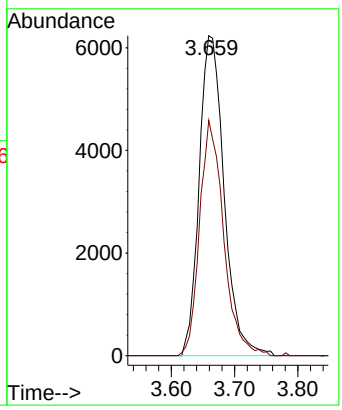




#13
Acrolein
Concen: 85.311 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 56 Resp: 1709

Ion	Ratio	Lower	Upper
56	100		
55	70.7	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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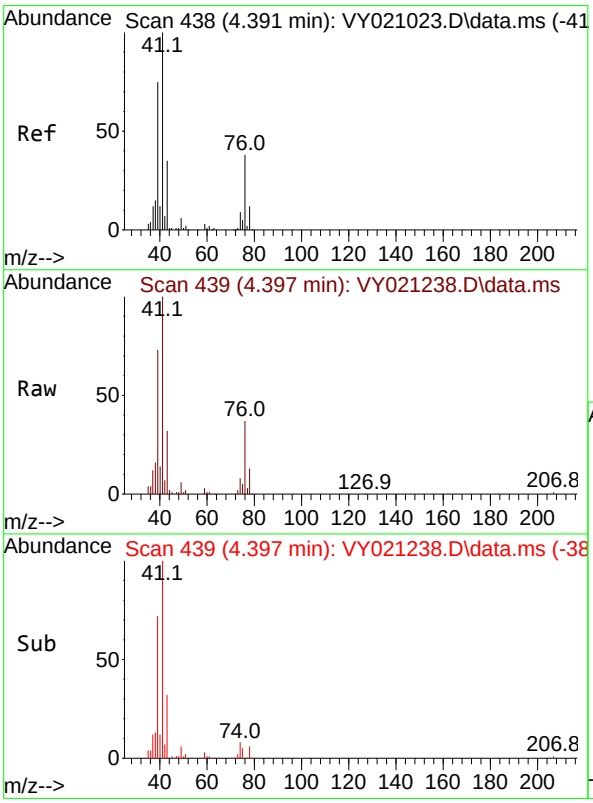
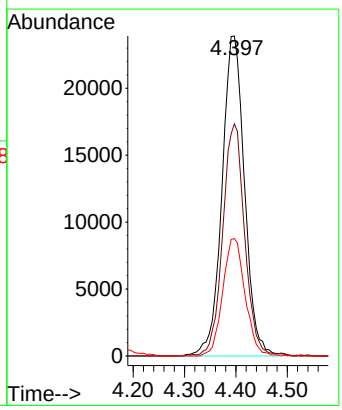
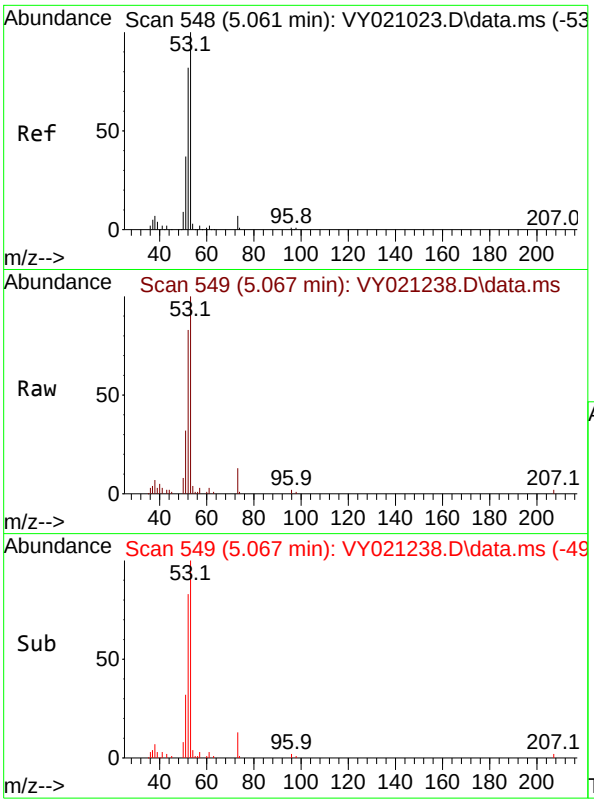


#14
Allyl chloride
Concen: 24.163 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 72775

Ion	Ratio	Lower	Upper
41	100		
39	70.8	54.7	82.1
76	36.3	31.8	47.6

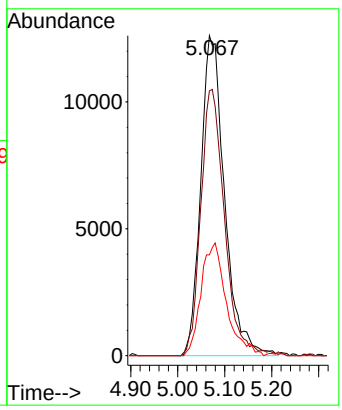




#15
Acrylonitrile
Concen: 113.006 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 53 Resp: 4440

Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.1	97.7
51	37.4	29.0	43.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
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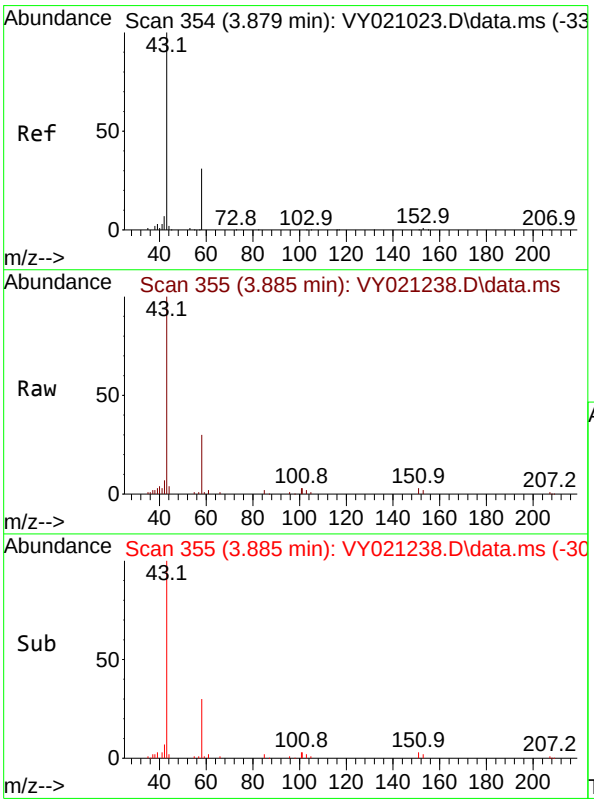
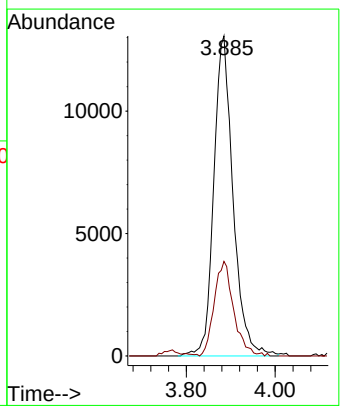
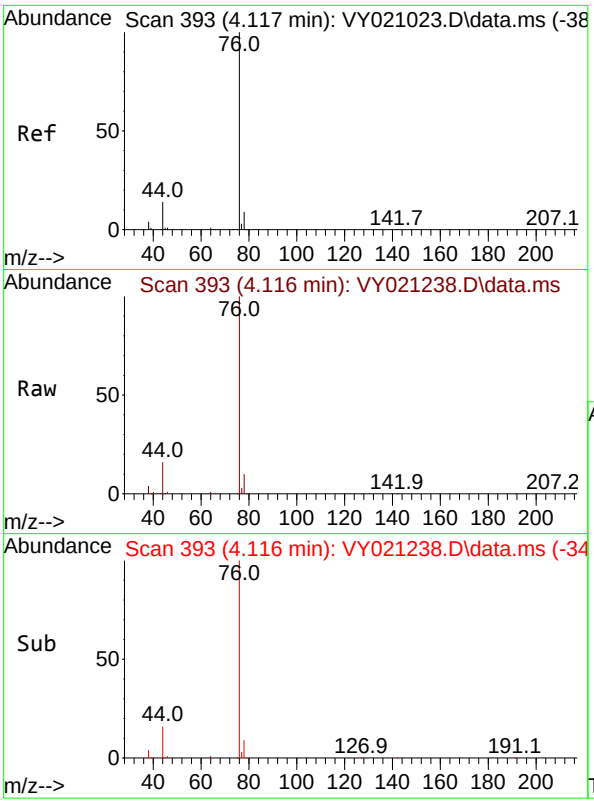


#16
Acetone
Concen: 131.268 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 39310

Ion	Ratio	Lower	Upper
43	100		
58	29.6	26.6	39.8

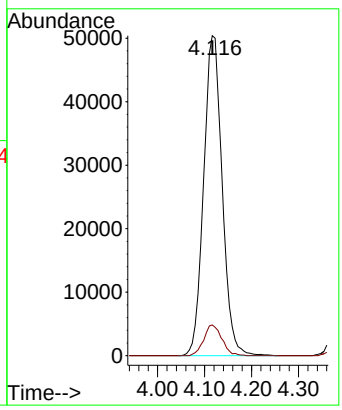




#17
Carbon Disulfide
Concen: 24.590 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 76 Resp: 13779

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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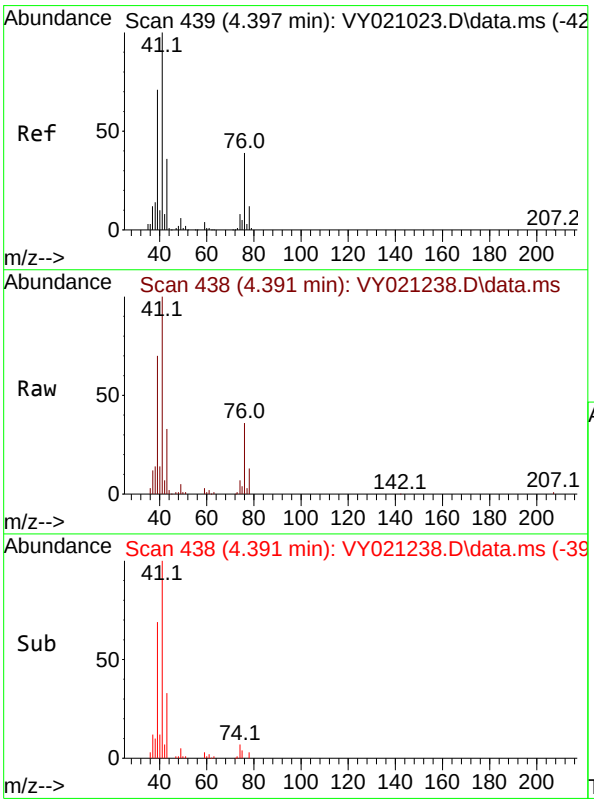
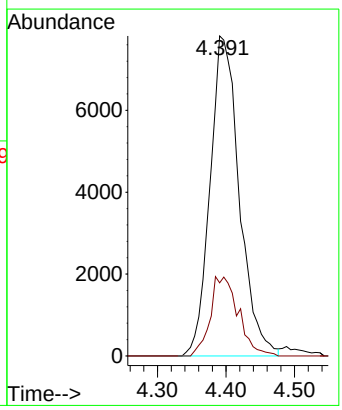
Supervised By :Mahesh Dadoda 02/20/2025

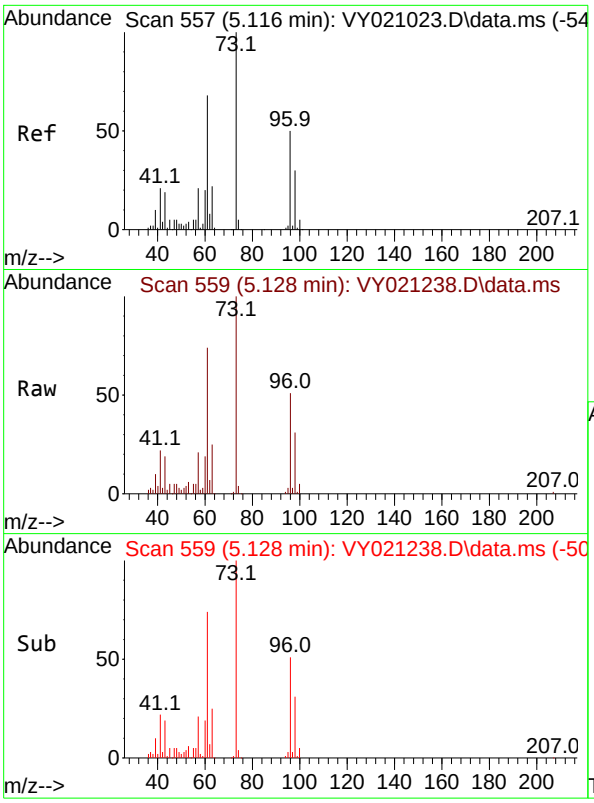


#18
Methyl Acetate
Concen: 22.048 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 23178

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.8	29.6

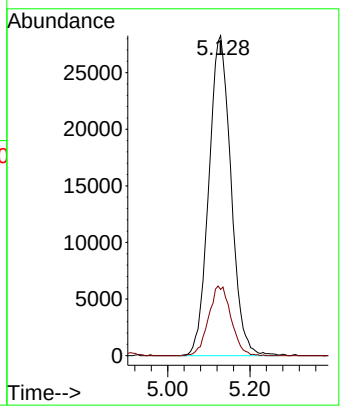




#19
Methyl tert-butyl Ether
Concen: 23.389 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 73 Resp: 10564

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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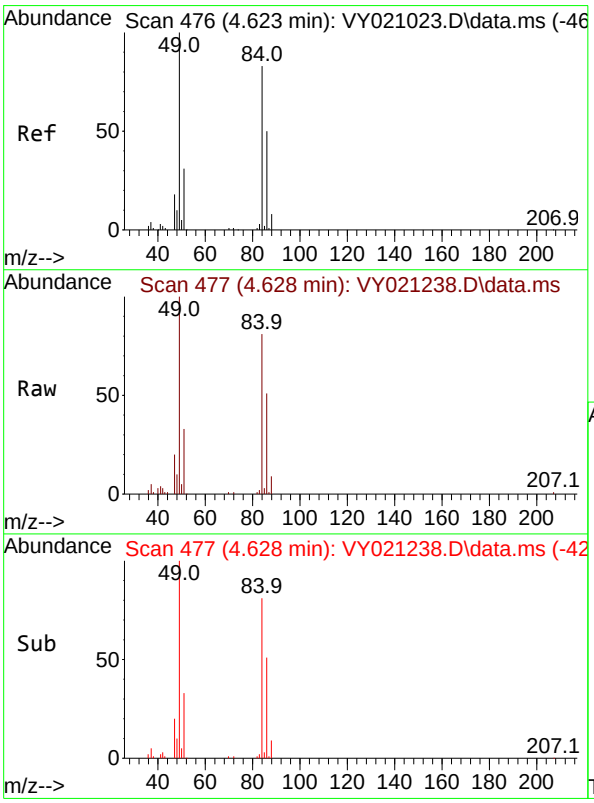
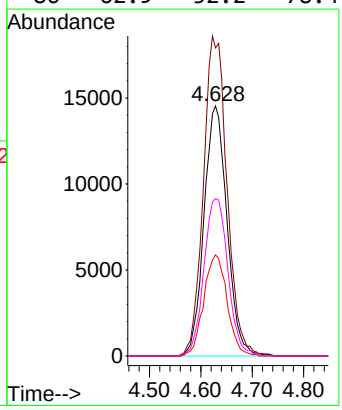
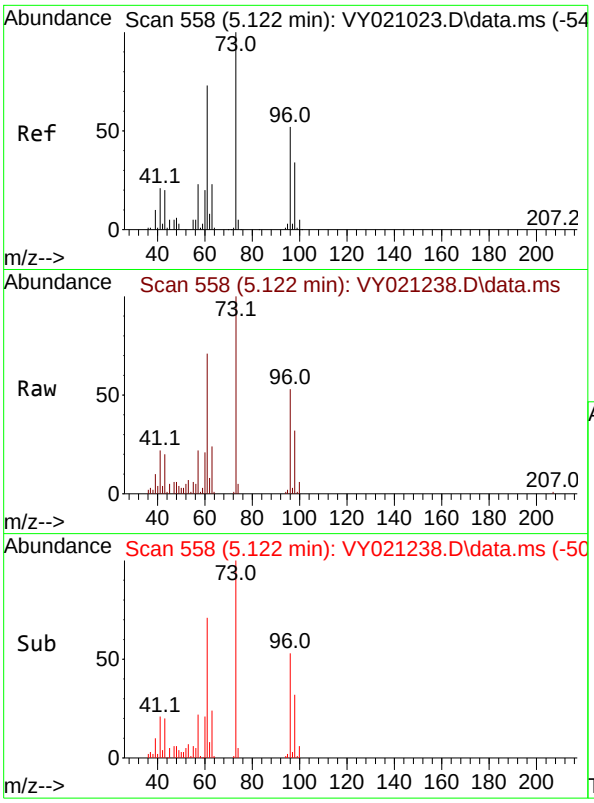


#20
Methylene Chloride
Concen: 24.293 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 84 Resp: 45224

Ion	Ratio	Lower	Upper
84	100		
49	123.1	95.2	142.8
51	40.4	29.9	44.9
86	62.9	52.2	78.4

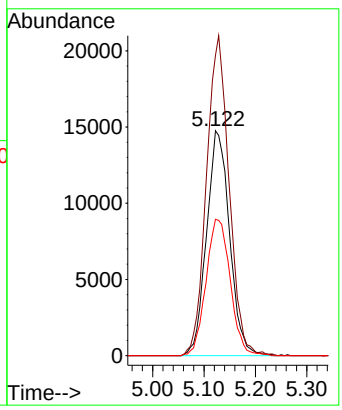




#21
trans-1,2-Dichloroethene
Concen: 23.369 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 4596

Ion	Ratio	Lower	Upper
96	100		
61	133.5	104.6	156.8
98	60.6	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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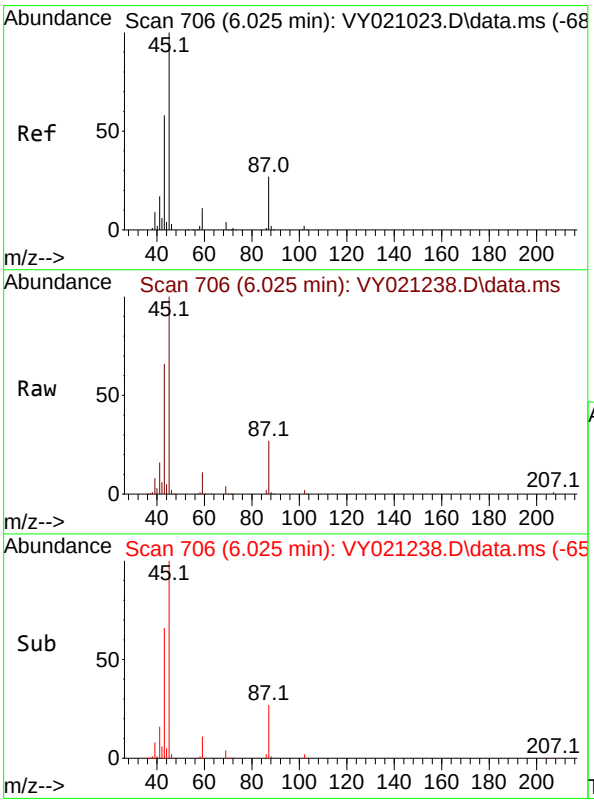
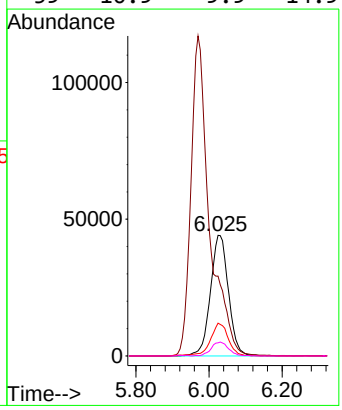
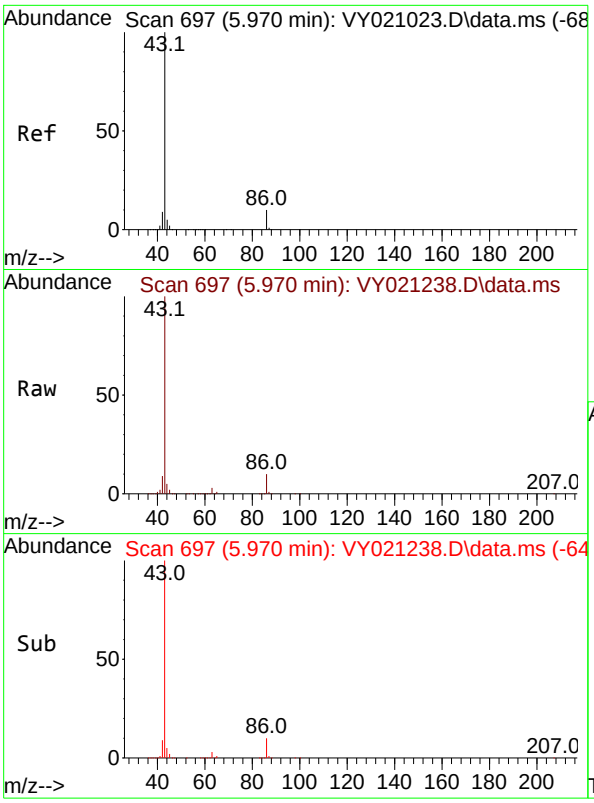


#22
Diisopropyl ether
Concen: 24.305 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 45 Resp: 150882

Ion	Ratio	Lower	Upper
45	100		
43	65.9	46.8	70.2
87	27.2	22.2	33.2
59	10.9	9.9	14.9





#23
Vinyl Acetate
Concen: 119.267 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 41274

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	13.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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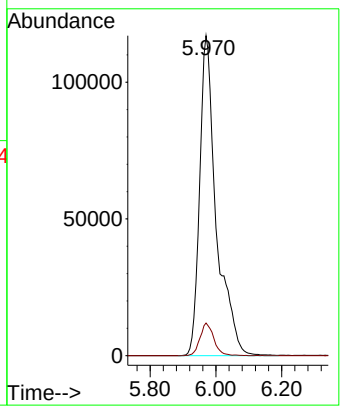
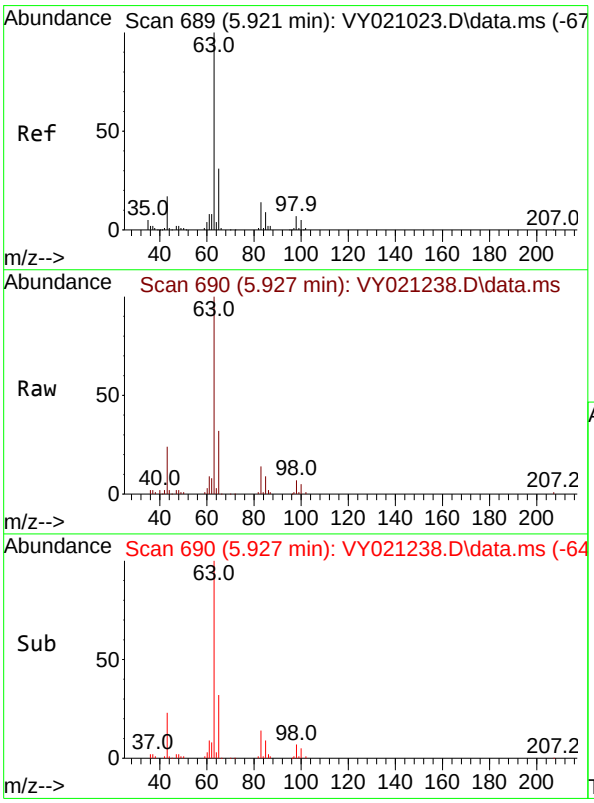
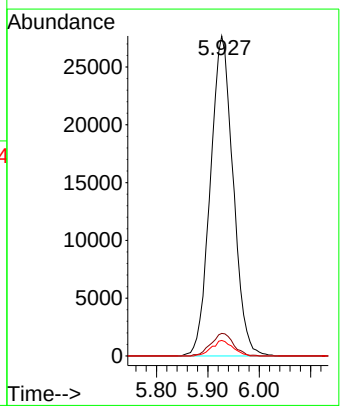


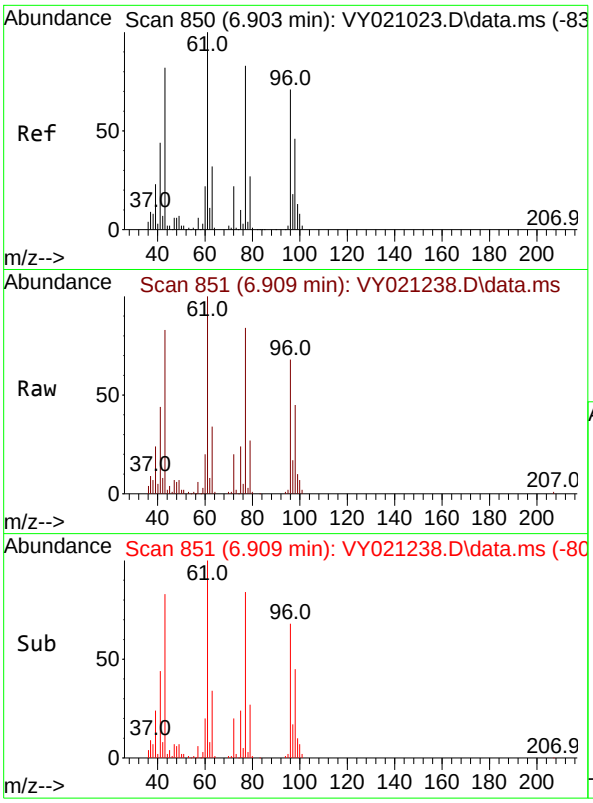


#24
1,1-Dichloroethane
Concen: 23.444 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 85267

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.4
100	4.8	2.1	6.2





#25
2-Butanone
Concen: 118.240 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 5818

Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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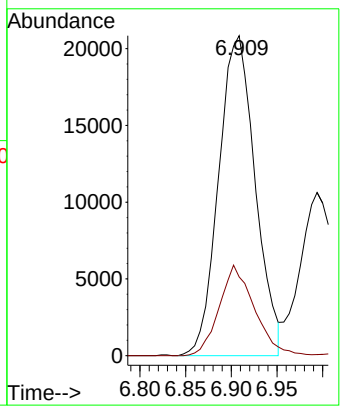
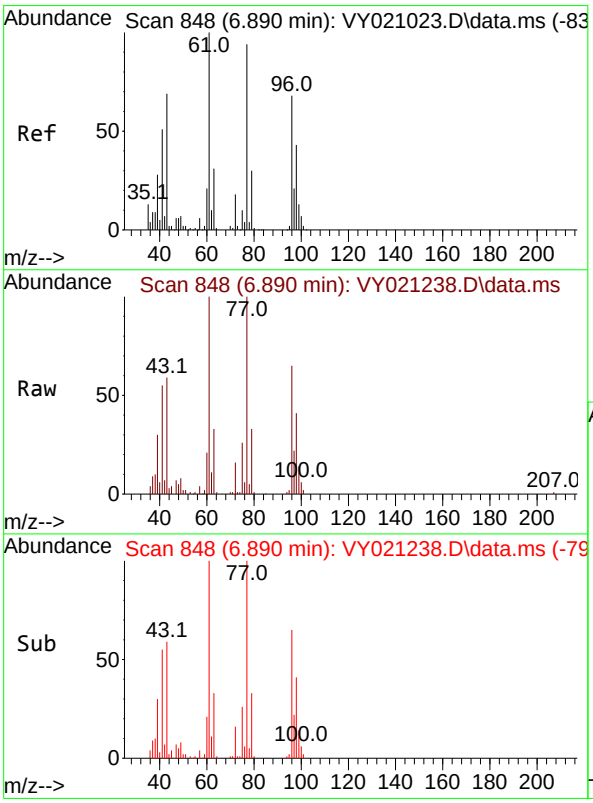
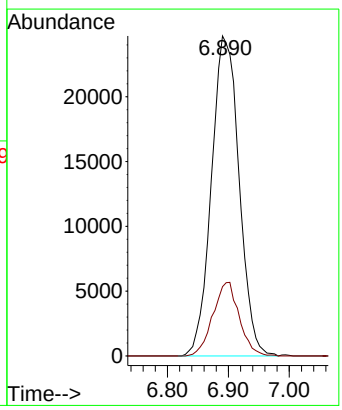


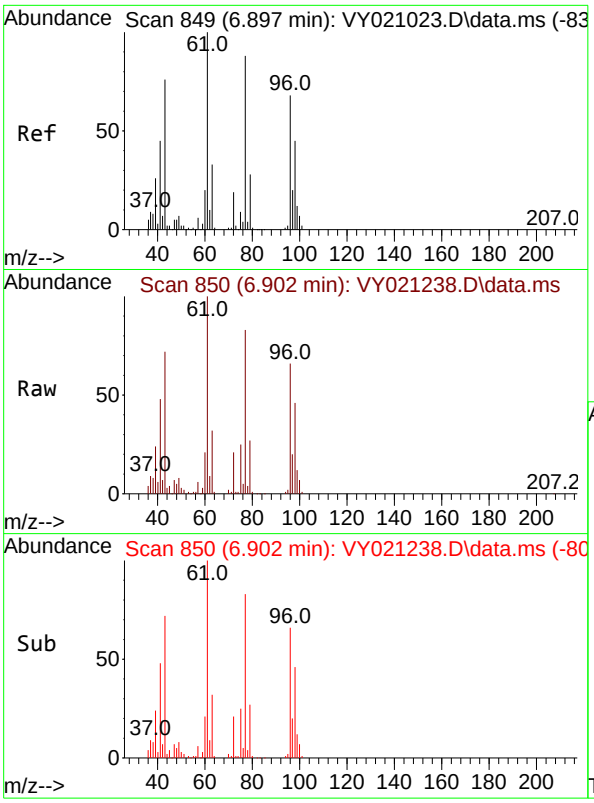


#26
2,2-Dichloropropane
Concen: 23.138 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 77 Resp: 77868

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.7	35.0

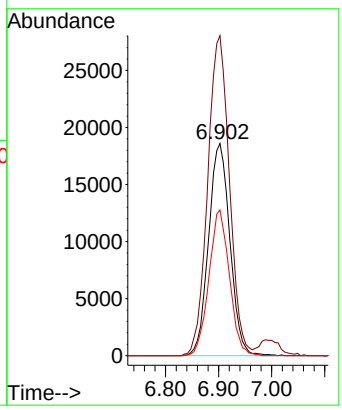




#27
cis-1,2-Dichloroethene
Concen: 22.958 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 5198

Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	278.8
98	65.8	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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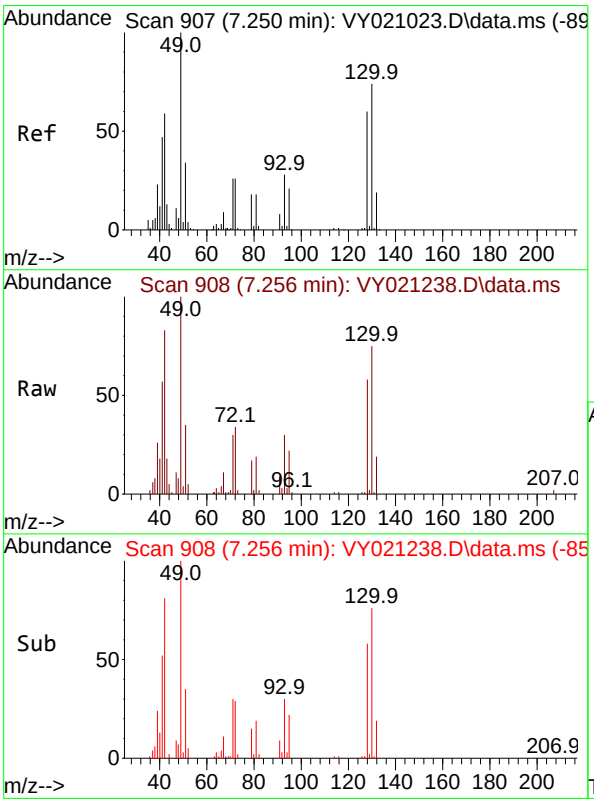
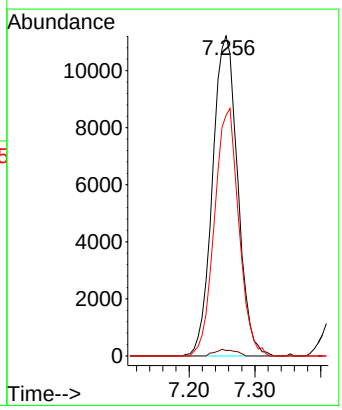
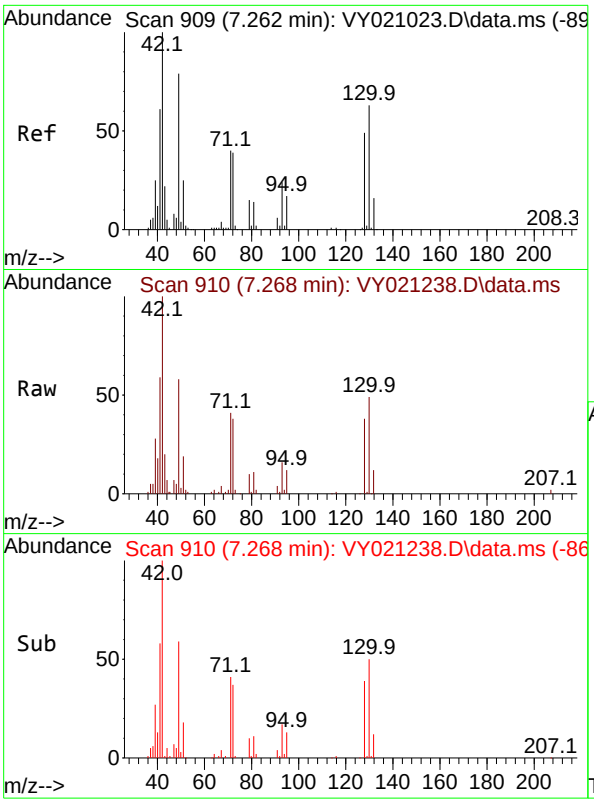


#28
Bromochloromethane
Concen: 20.715 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 49 Resp: 29792

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	74.9	59.8	89.8

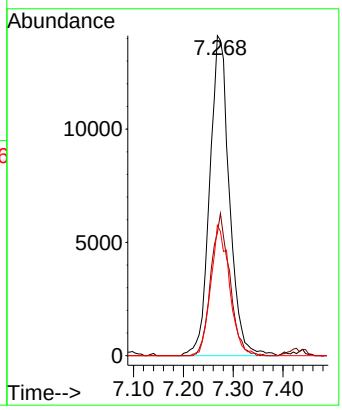




#29
Tetrahydrofuran
Concen: 116.263 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 42 Resp: 3871

Ion	Ratio	Lower	Upper
42	100		
72	42.3	36.6	54.8
71	39.1	33.8	50.6



Instrument :
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ClientSampleId :
VY0219SBS01

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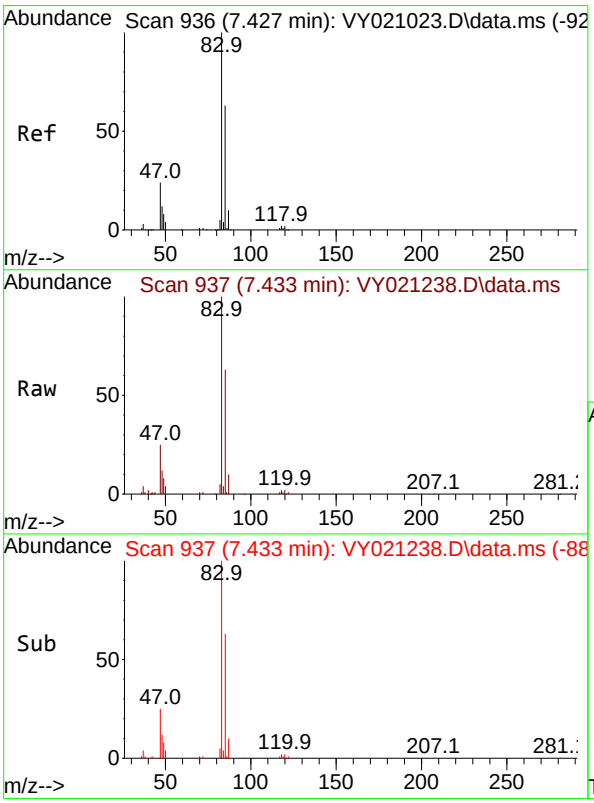
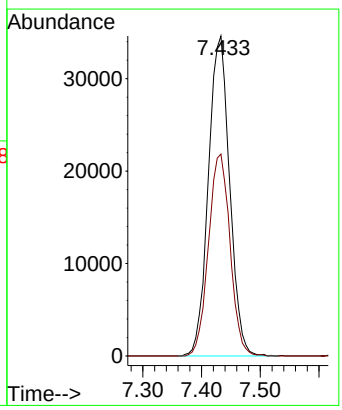
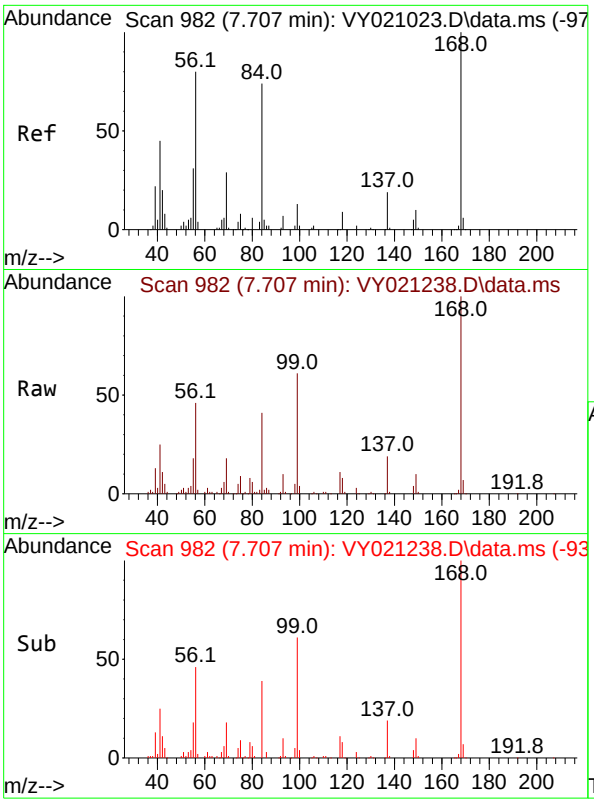


#30
Chloroform
Concen: 23.276 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 86955

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.2	76.8





#31
Cyclohexane
Concen: 23.674 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 56 Resp: 7754

Ion	Ratio	Lower	Upper
56	100		
69	38.5	27.0	40.6
84	87.2	71.8	107.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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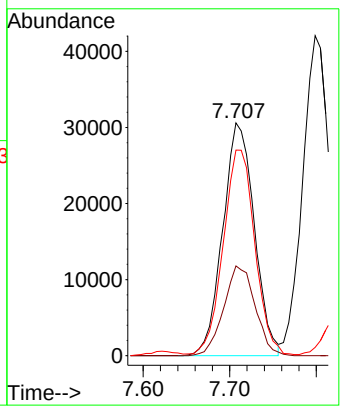
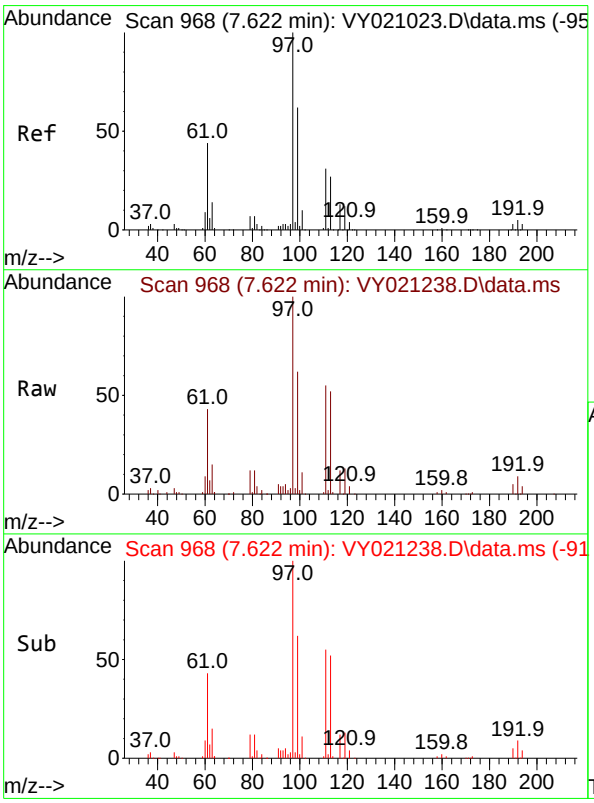
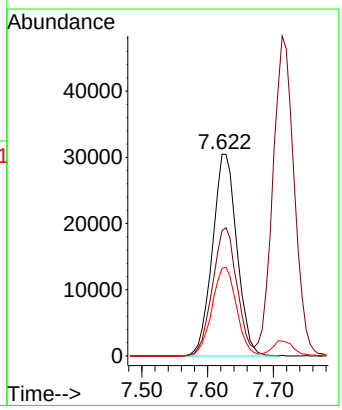


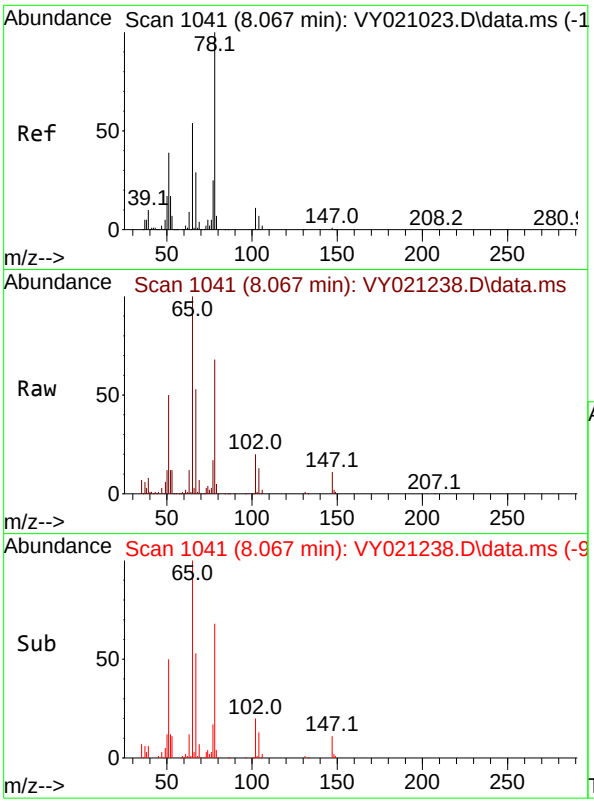


#32
1,1,1-Trichloroethane
Concen: 22.692 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 97 Resp: 78817

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	43.9	35.0	52.6

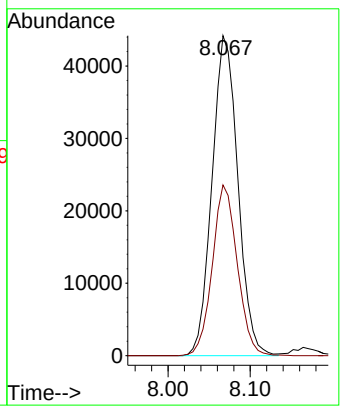




#33
1,2-Dichloroethane-d4
Concen: 50.317 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 65 Resp: 9662

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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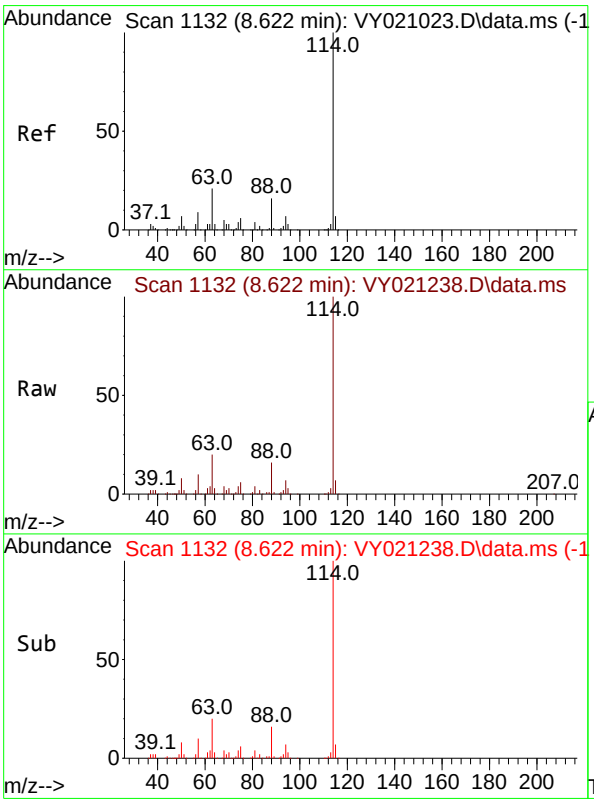
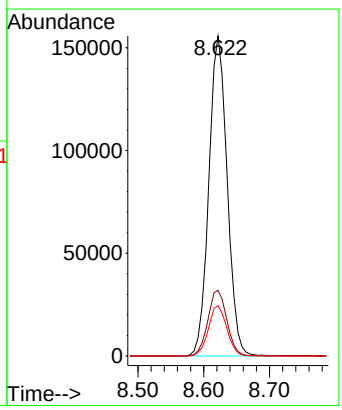
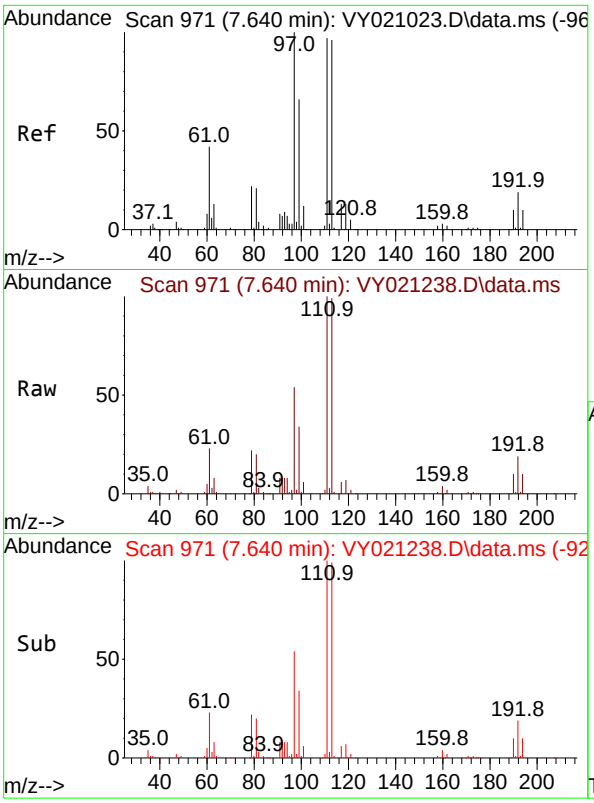


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:114 Resp: 302089

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	37.4
88	15.7	0.0	29.0

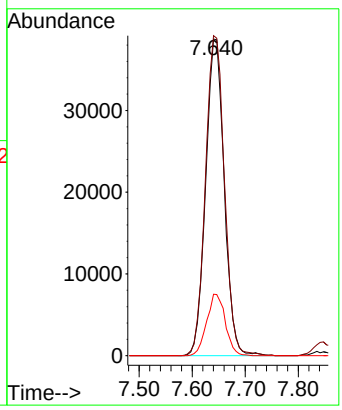




#35
Dibromofluoromethane
Concen: 48.581 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:113 Resp: 9405

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.8	125.6
192	19.5	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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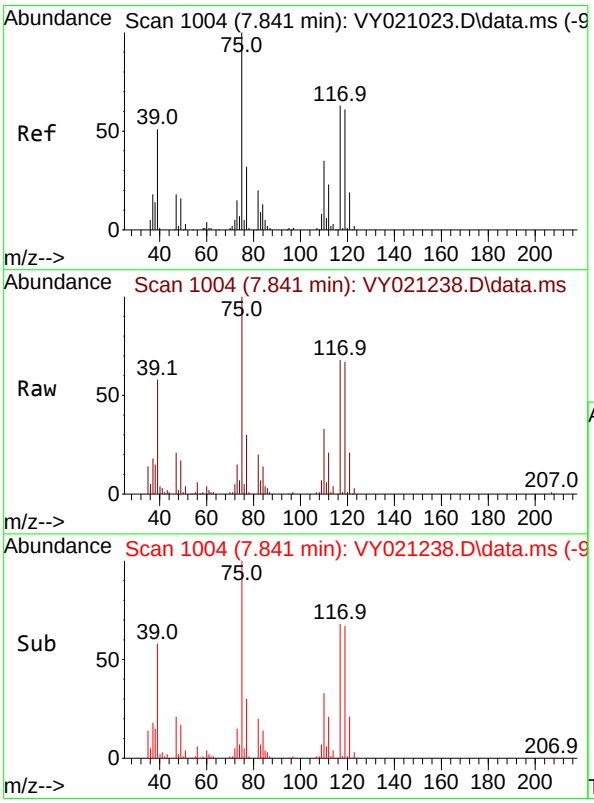
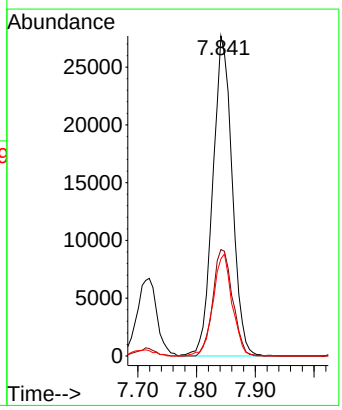
Supervised By :Mahesh Dadoda 02/20/2025

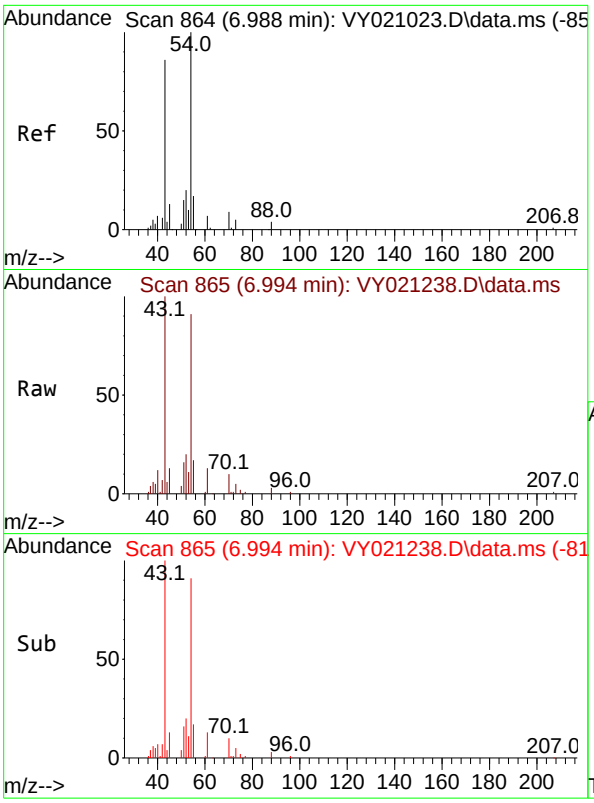


#36
1,1-Dichloropropene
Concen: 22.134 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 63470

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.4	52.3
77	31.4	24.7	37.1





#37
Ethyl Acetate
Concen: 22.858 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 2875

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
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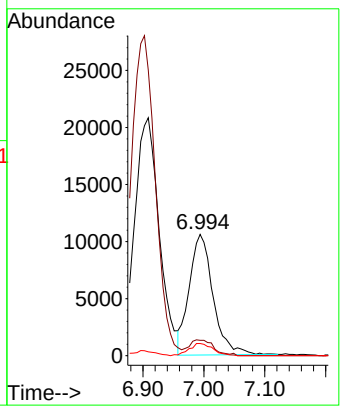
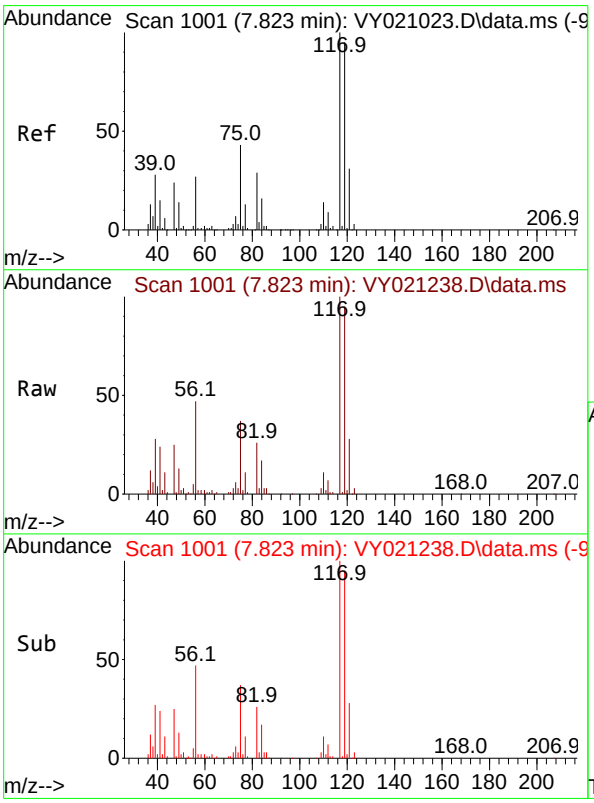
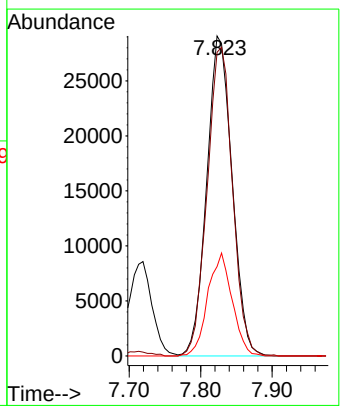


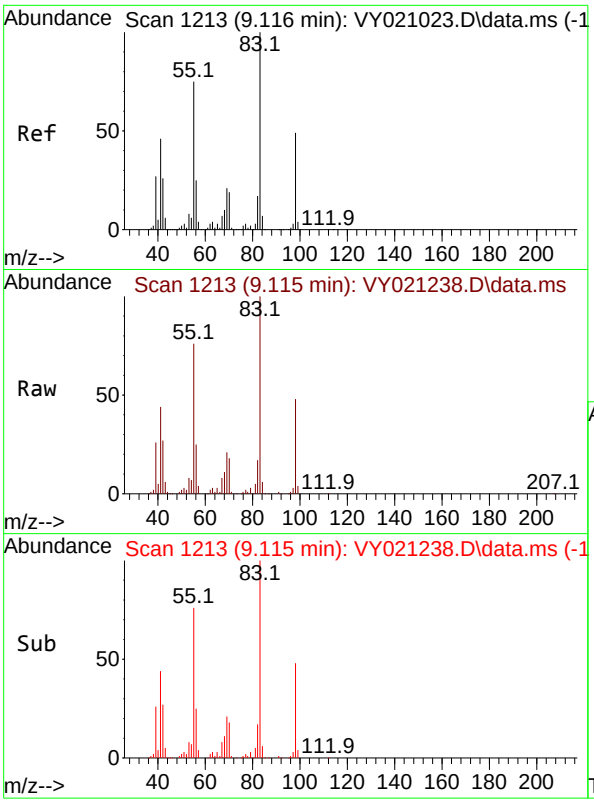


#38
Carbon Tetrachloride
Concen: 21.393 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 71680

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.0	114.0
121	27.9	24.2	36.2





#39
Methylcyclohexane
Concen: 22.720 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 7969

Ion	Ratio	Lower	Upper
83	100		
55	76.4	59.7	89.5
98	48.2	38.0	57.0

Instrument :
MSVOA_Y
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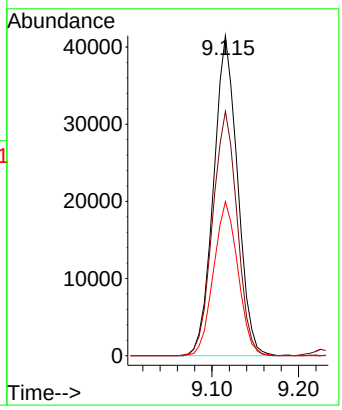
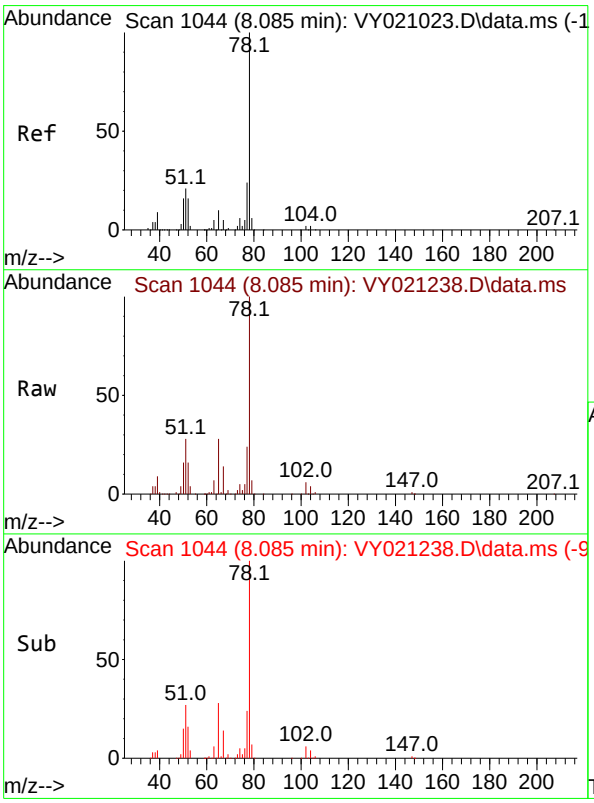
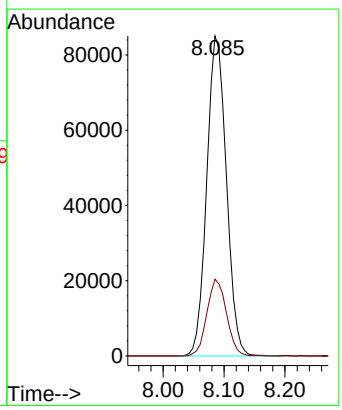


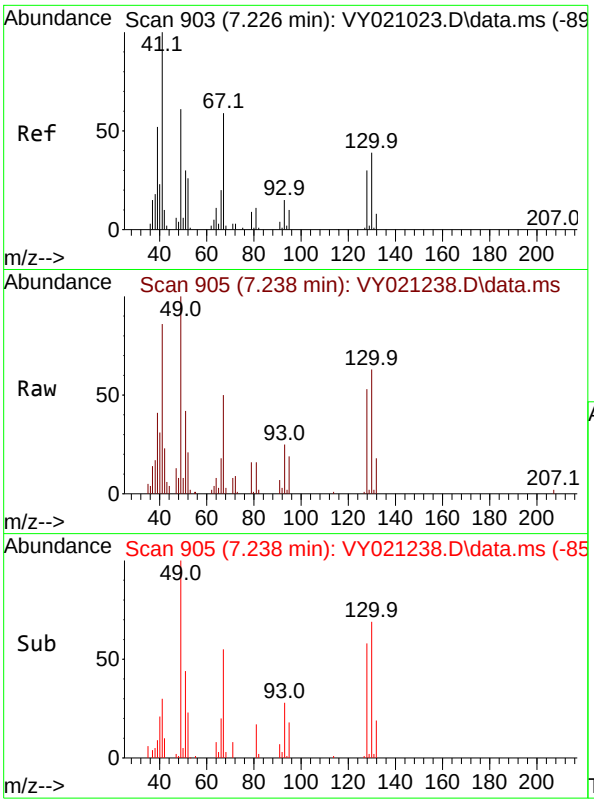


#40
Benzene
Concen: 22.643 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 78 Resp: 190547

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

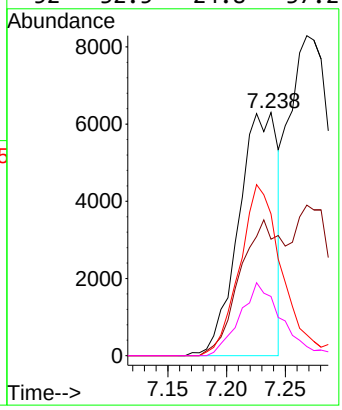




#41
Methacrylonitrile
Concen: 20.111 ug/l
RT: 7.238 min Scan# 9(
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 1463(

Ion	Ratio	Lower	Upper
41	100		
39	60.7	41.9	62.9
67	76.1	59.8	89.6
52	32.5	24.8	37.2



Instrument :
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ClientSampleId :
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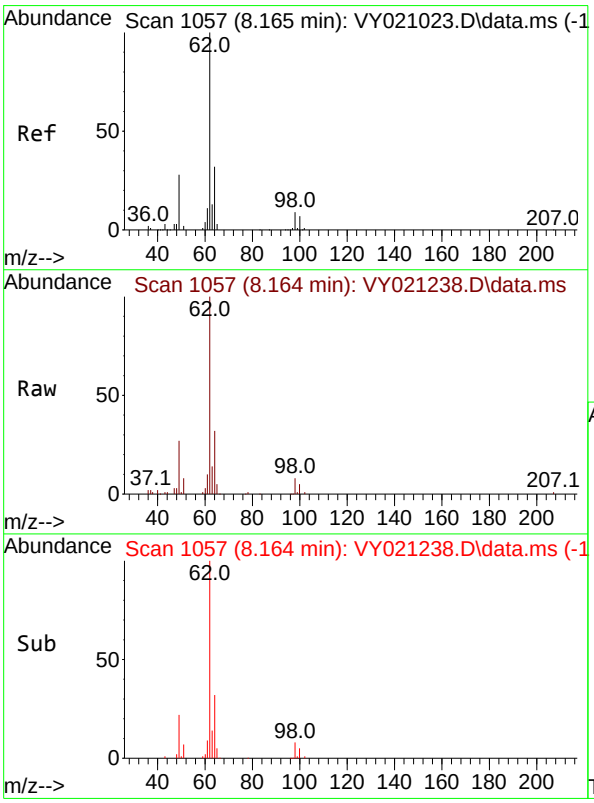
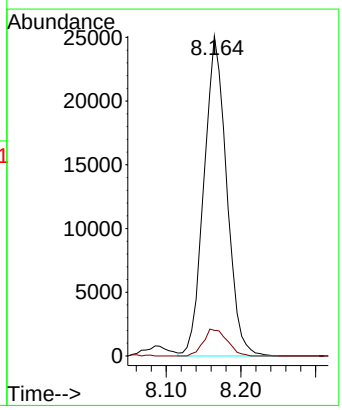
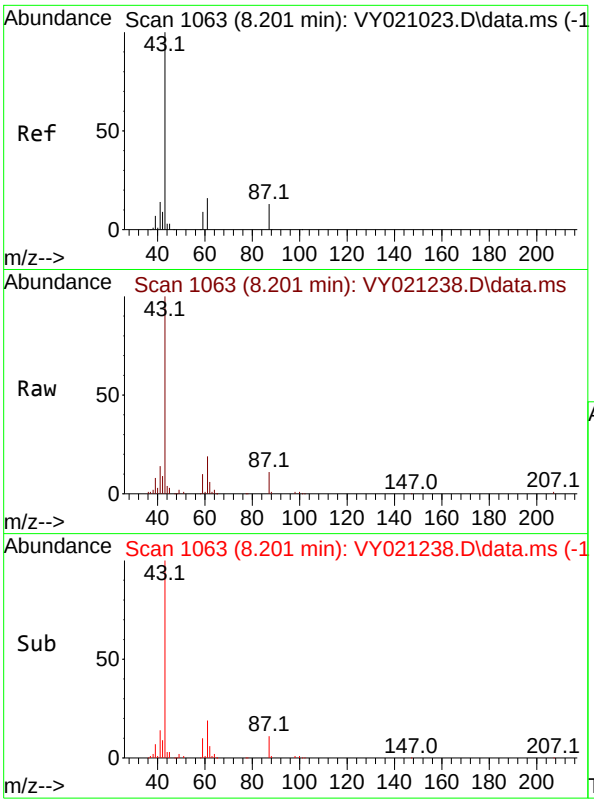


#42
1,2-Dichloroethane
Concen: 22.655 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 52885

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.2

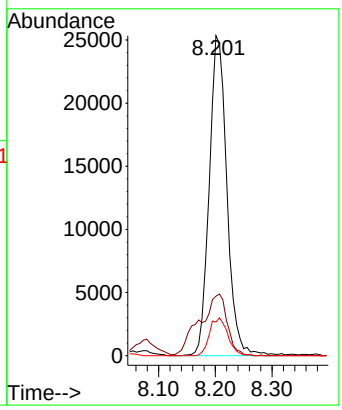




#43
Isopropyl Acetate
Concen: 21.942 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 5484

Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.8	37.2
87	12.3	10.7	16.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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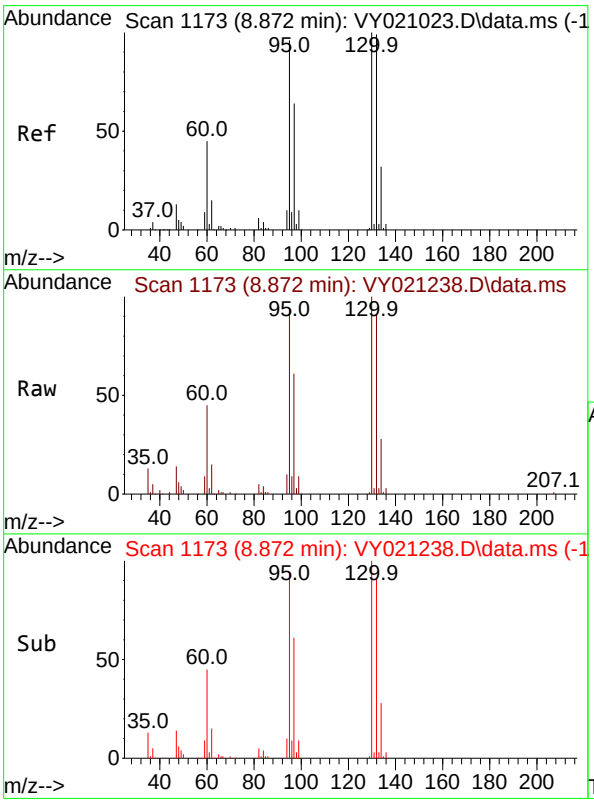
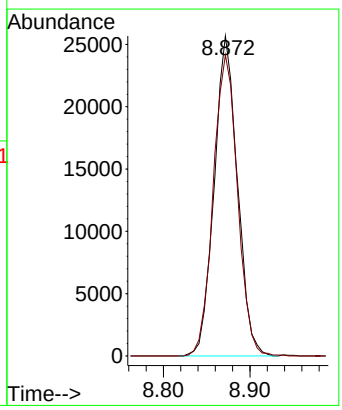
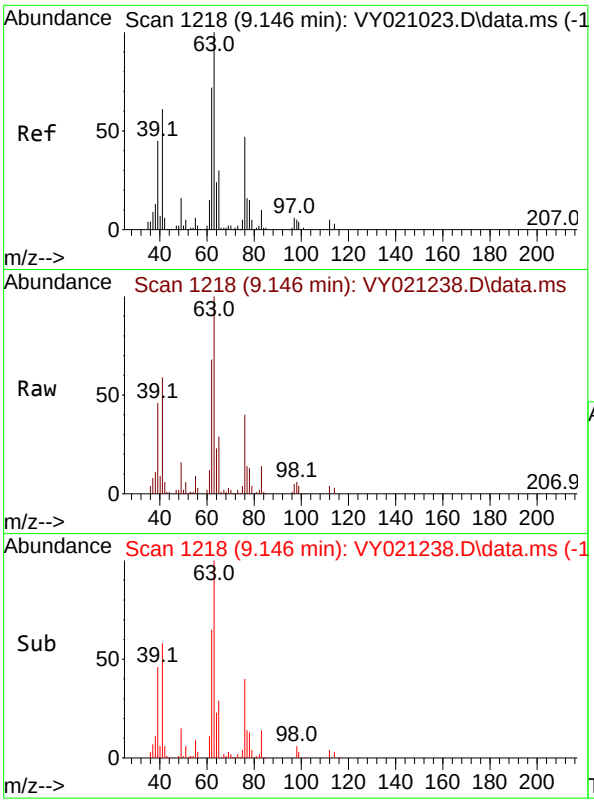


#44
Trichloroethene
Concen: 22.024 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:130 Resp: 47883

Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	203.8

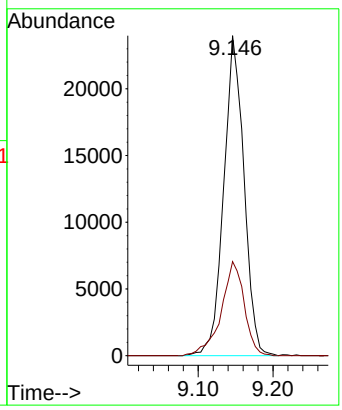




#45
1,2-Dichloropropane
Concen: 22.642 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 4522

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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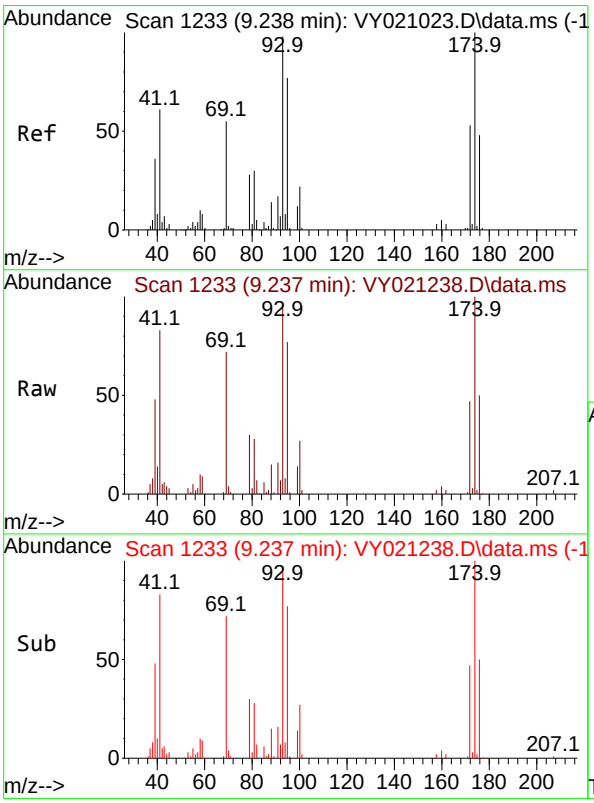
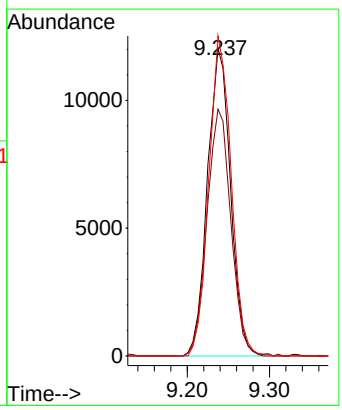
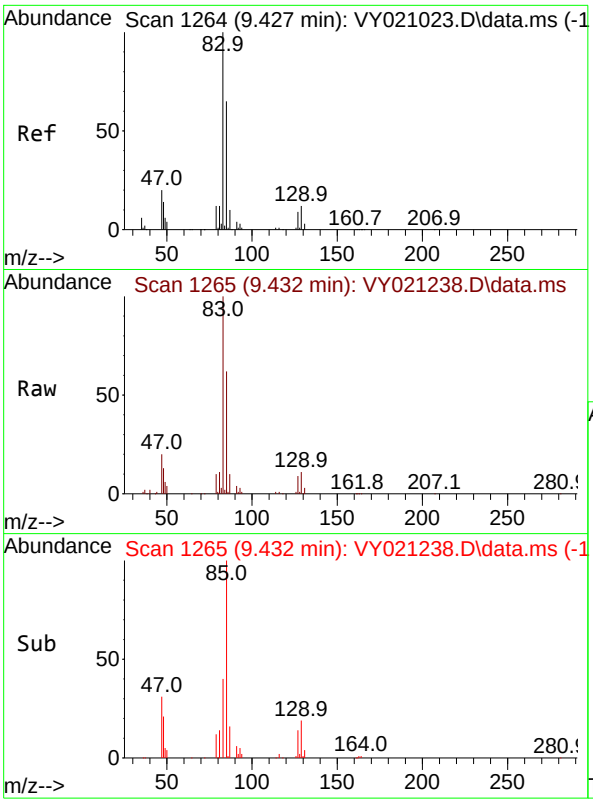


#46
Dibromomethane
Concen: 21.227 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 93 Resp: 23475

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	99.8
174	100.8	73.8	110.6

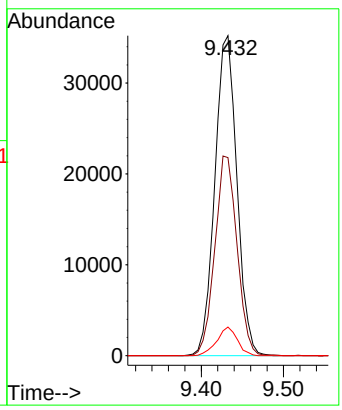




#47
Bromodichloromethane
Concen: 22.139 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 6566

Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.2	79.8
127	9.0	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
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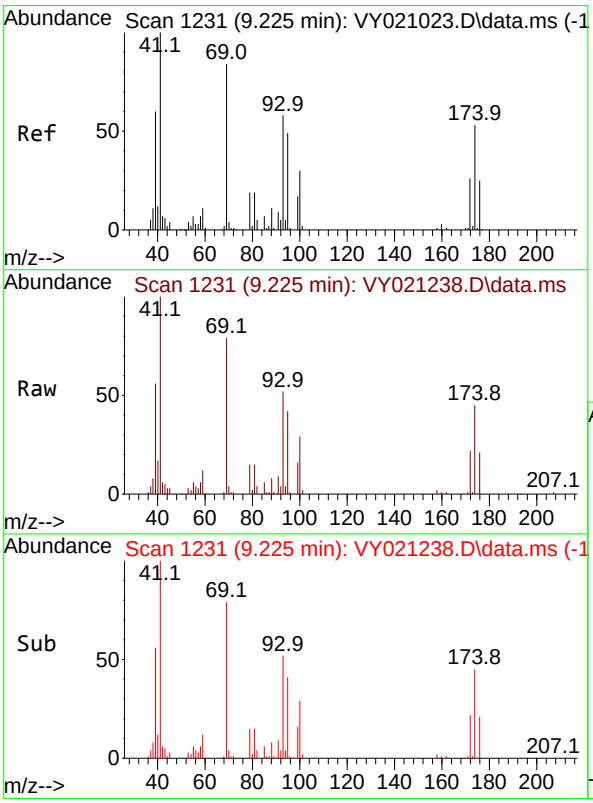
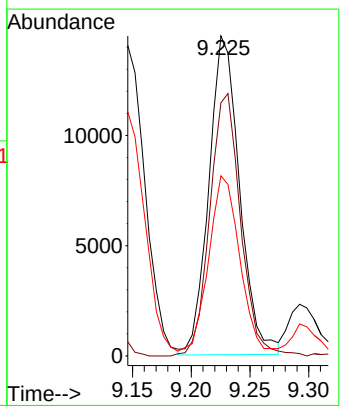
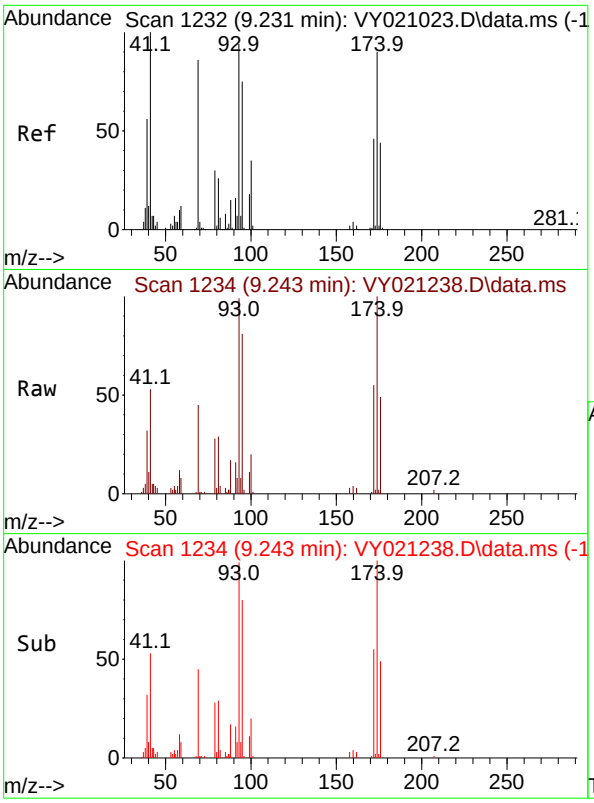


#48
Methyl methacrylate
Concen: 23.131 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 26336

Ion	Ratio	Lower	Upper
41	100		
69	82.3	72.1	108.1
39	55.1	42.8	64.2





#49
1,4-Dioxane
Concen: 448.469 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 88 Resp: 461

Ion	Ratio	Lower	Upper
88	100		
43	31.0	28.2	42.4
58	73.0	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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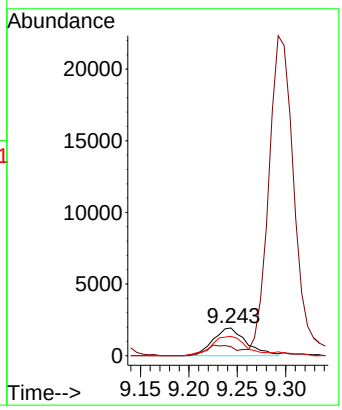
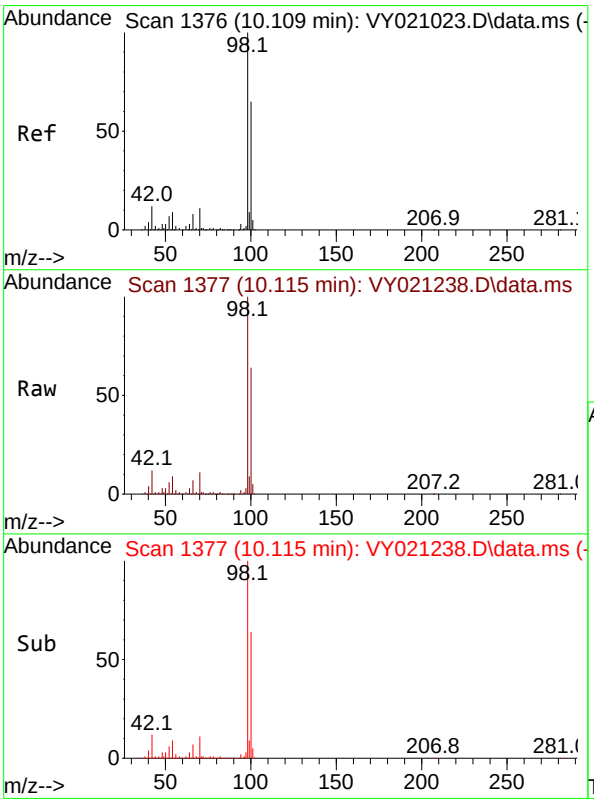
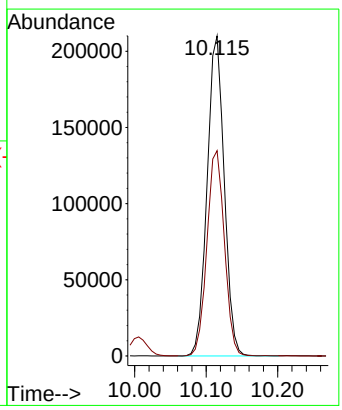


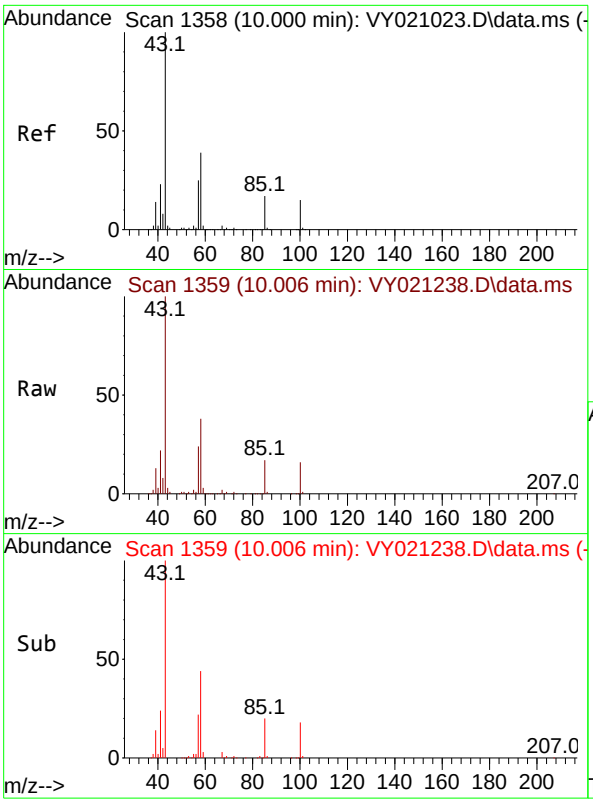


#50
Toluene-d8
Concen: 47.329 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 98 Resp: 348838

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5

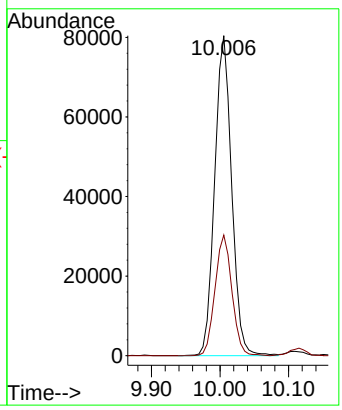




#51
4-Methyl-2-Pentanone
Concen: 110.039 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 13831

Ion	Ratio	Lower	Upper
43	100		
58	37.5	32.2	48.2



Instrument :
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ClientSampleId :
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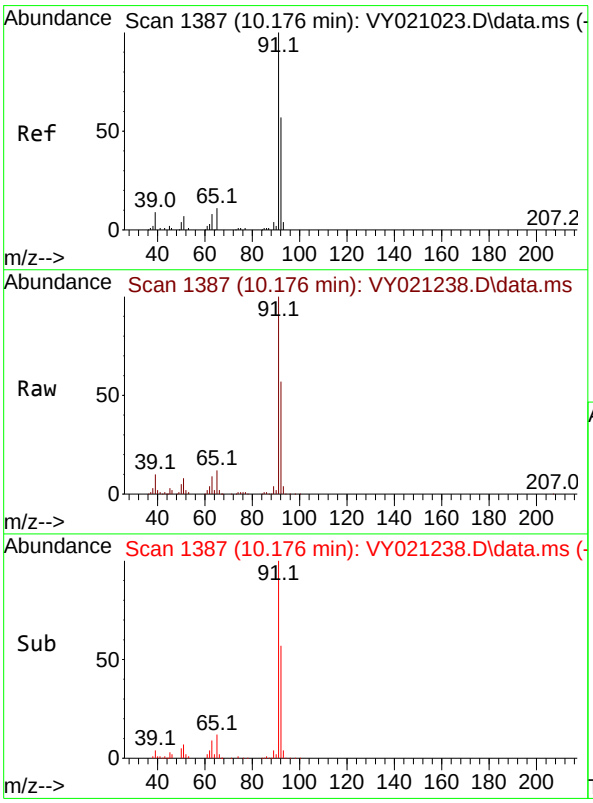
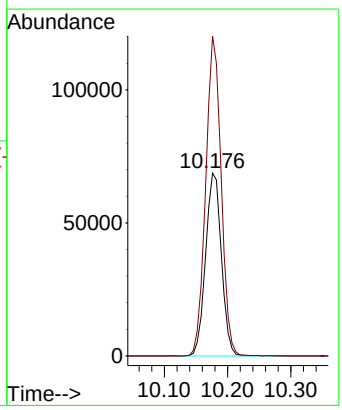
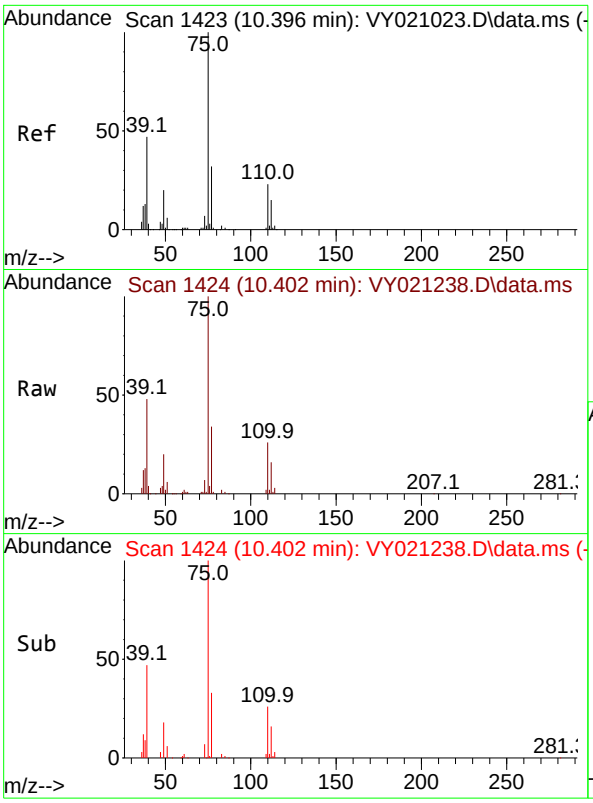


#52
Toluene
Concen: 22.606 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 92 Resp: 119448

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.6	206.4

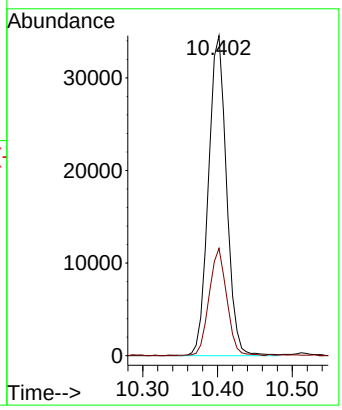




#53
t-1,3-Dichloropropene
Concen: 21.872 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 5825

Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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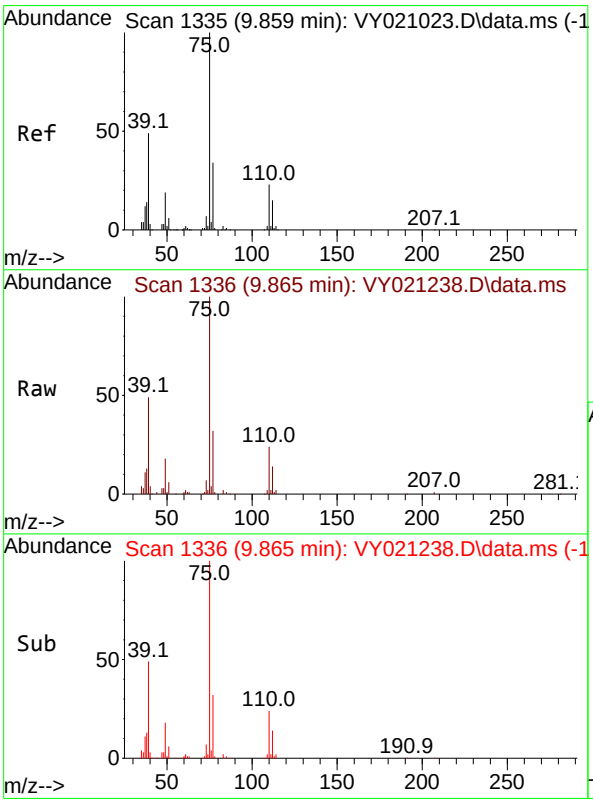
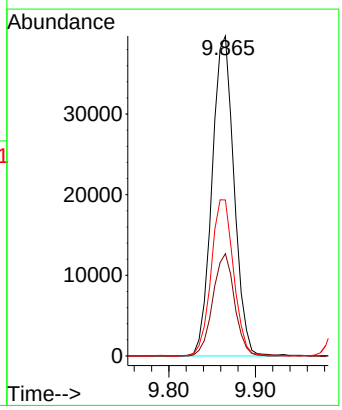
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

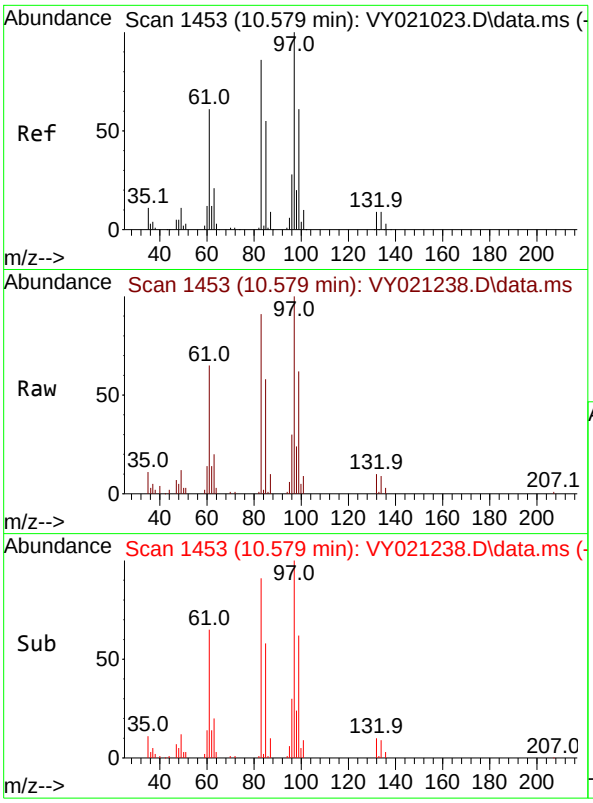


#54
cis-1,3-Dichloropropene
Concen: 22.186 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 69958

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	48.8	33.6	50.4

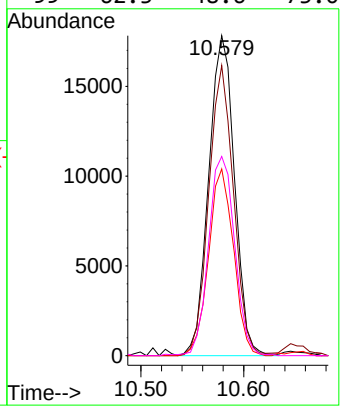




#55
1,1,2-Trichloroethane
Concen: 21.745 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 97 Resp: 3114

Ion	Ratio	Lower	Upper
97	100		
83	90.7	69.4	104.2
85	58.4	43.9	65.9
99	62.3	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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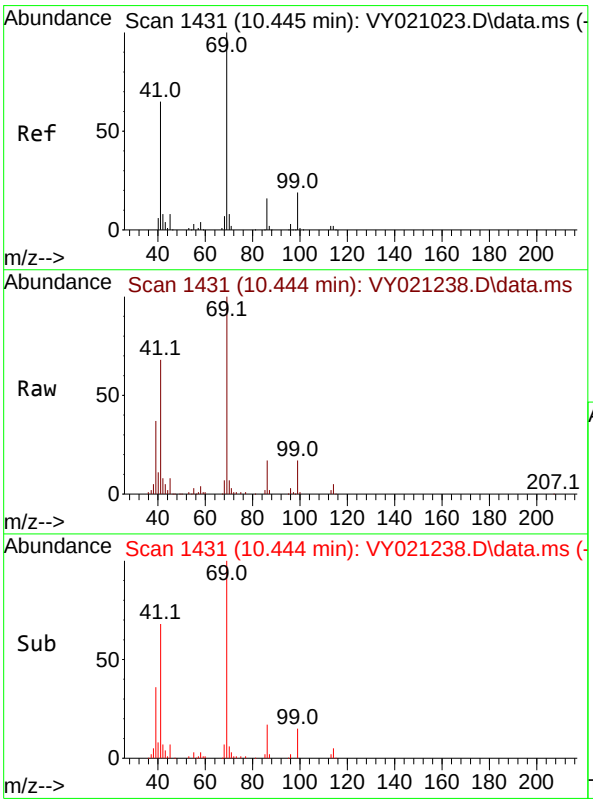
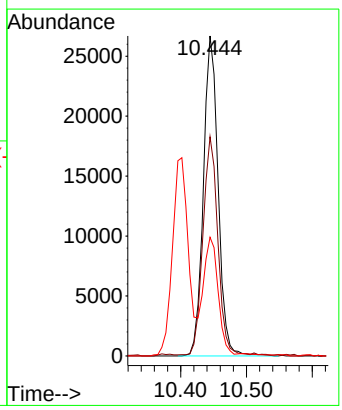
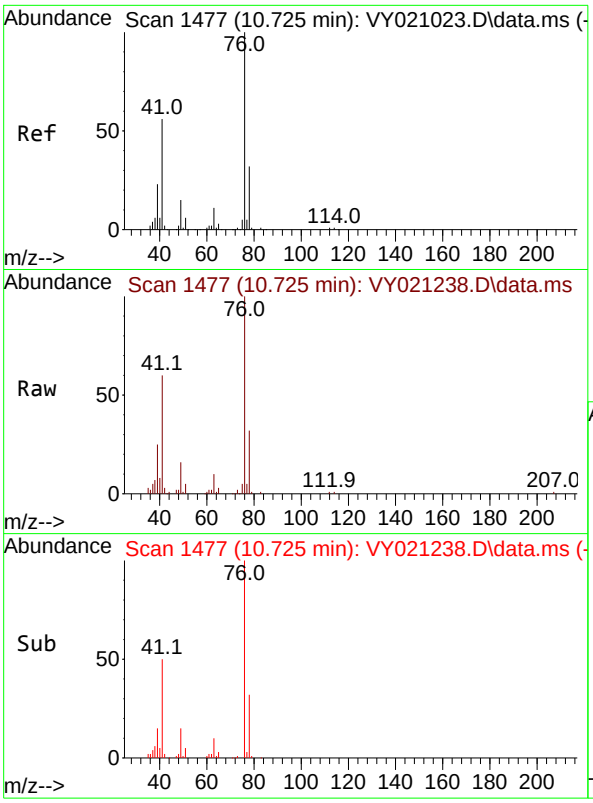


#56
Ethyl methacrylate
Concen: 21.735 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 69 Resp: 41640

Ion	Ratio	Lower	Upper
69	100		
41	68.4	49.2	73.8
39	35.3	26.8	40.2





#57
1,3-Dichloropropane
Concen: 22.367 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 76 Resp: 5544

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

Instrument :
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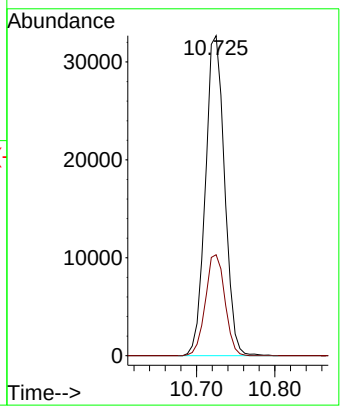
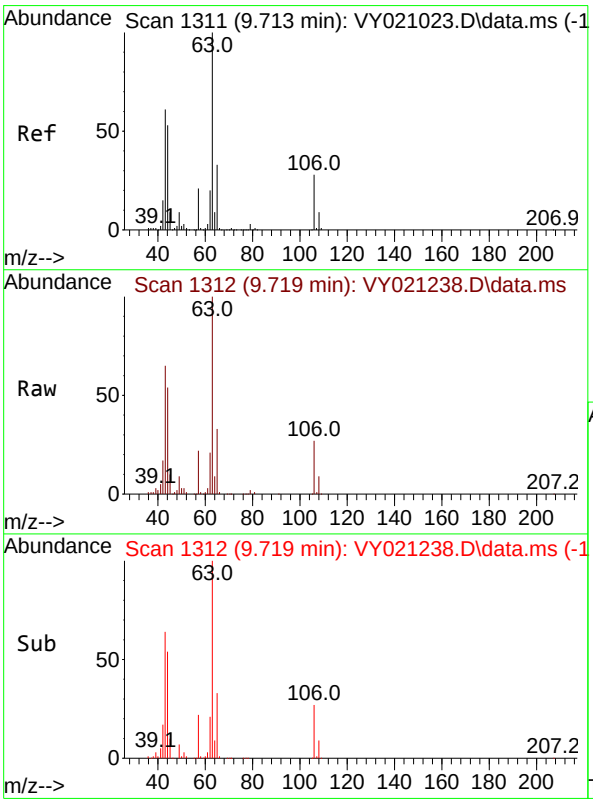
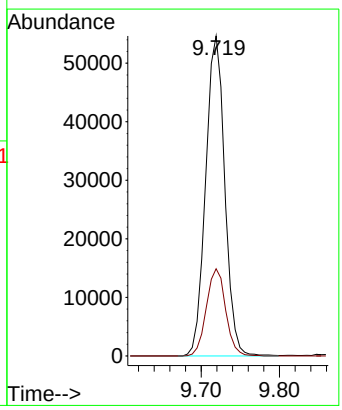


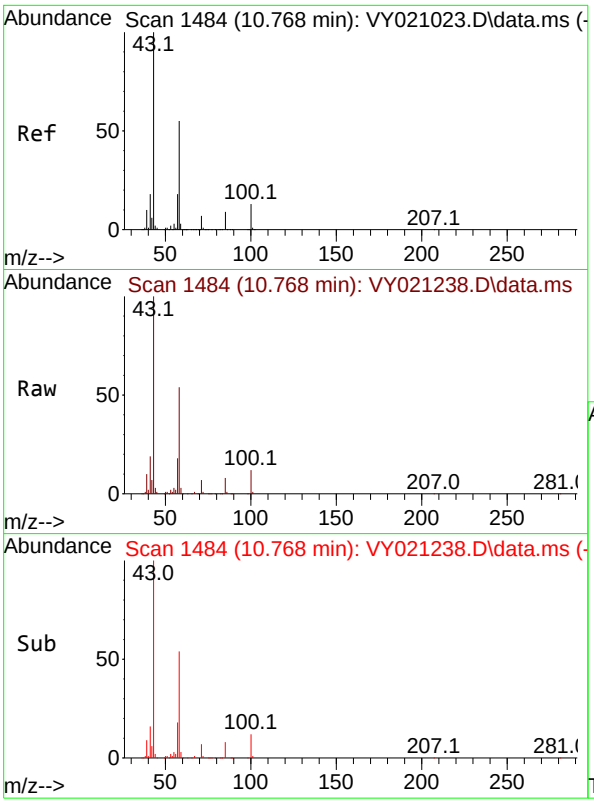


#58
2-Chloroethyl Vinyl ether
Concen: 101.594 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 92595

Ion	Ratio	Lower	Upper
63	100		
106	27.4	22.4	33.6

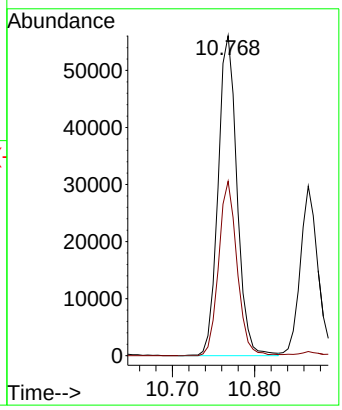




#59
2-Hexanone
Concen: 110.855 ug/l
RT: 10.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 8971

Ion	Ratio	Lower	Upper
43	100		
58	53.2	28.1	84.3



Instrument :
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ClientSampleId :
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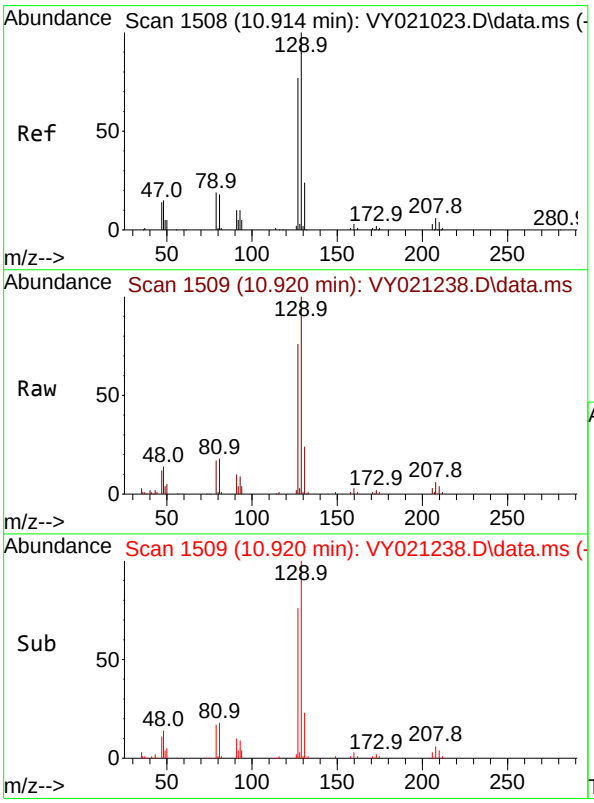
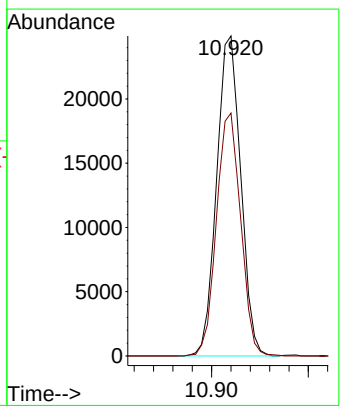
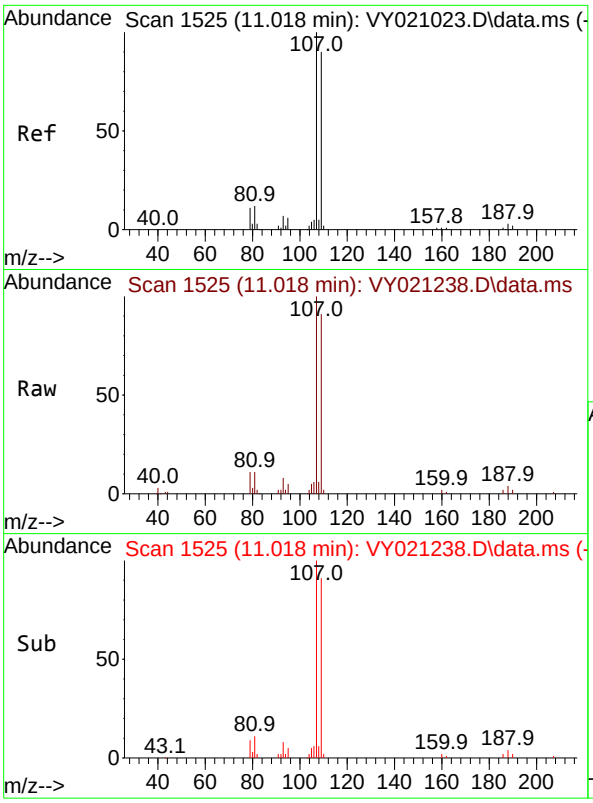


#60
Dibromochloromethane
Concen: 21.410 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:129 Resp: 43058

Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.2	117.6

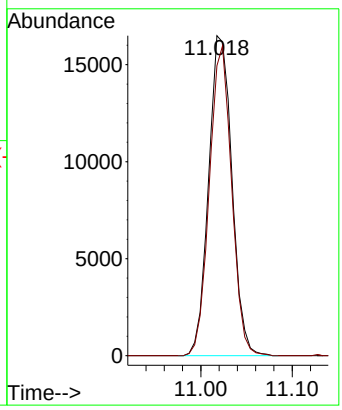




#61
1,2-Dibromoethane
Concen: 21.771 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:107 Resp: 2920

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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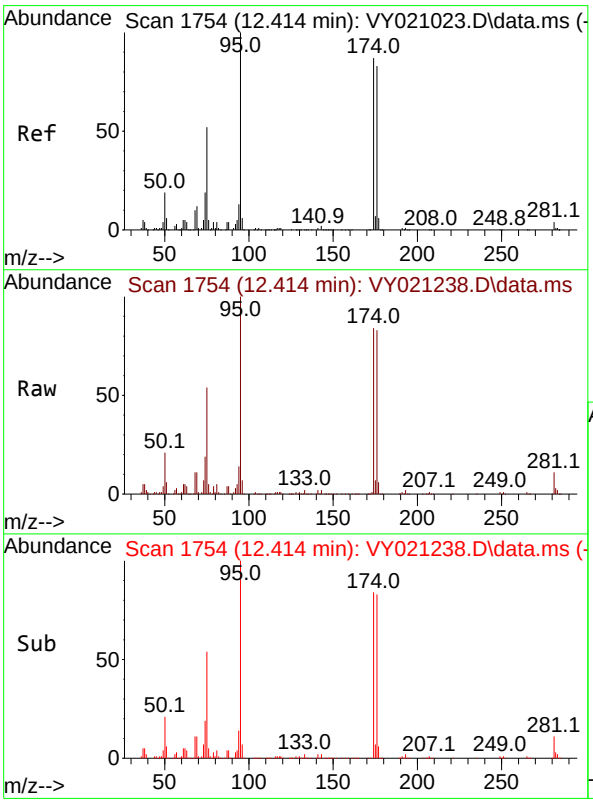
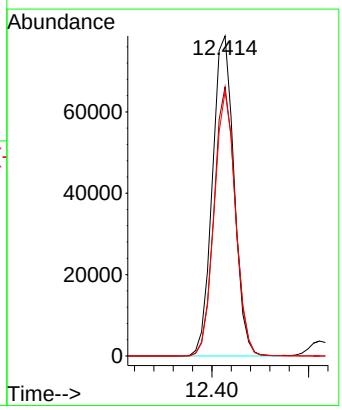
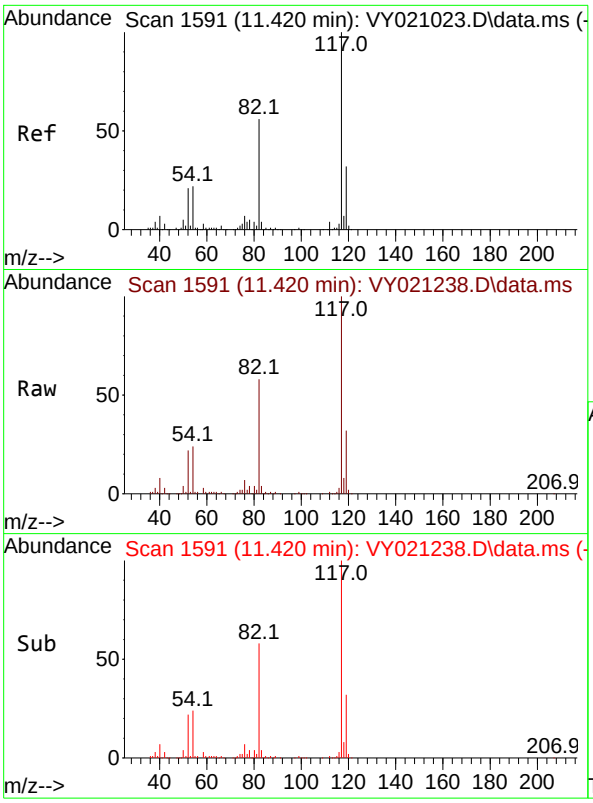


#62
4-Bromofluorobenzene
Concen: 50.660 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 95 Resp: 121983

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	160.0
176	81.1	0.0	151.8

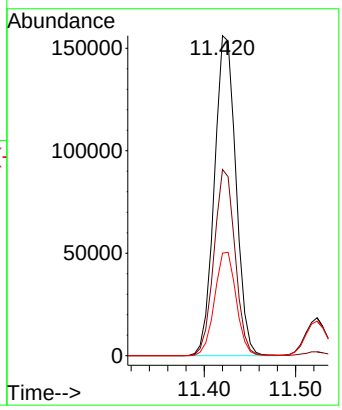




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 25575

Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.8	65.8
119	32.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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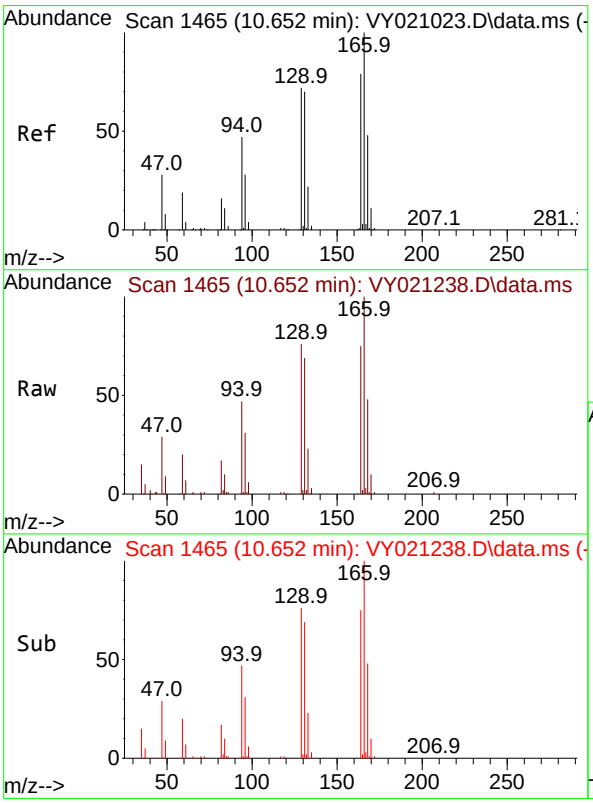
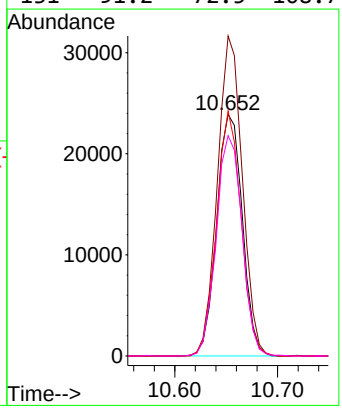
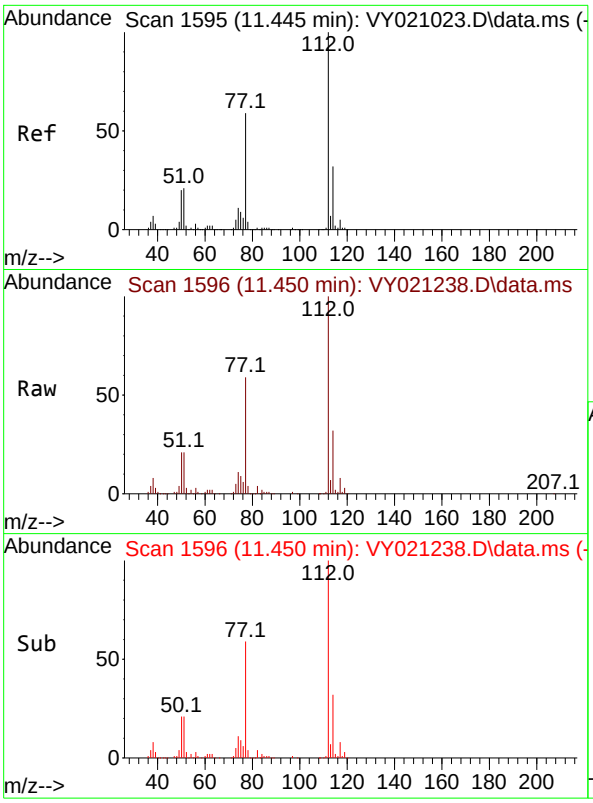


#64
Tetrachloroethene
Concen: 21.781 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:164 Resp: 41352

Ion	Ratio	Lower	Upper
164	100		
166	132.5	98.8	148.2
129	101.3	78.9	118.3
131	91.2	72.5	108.7

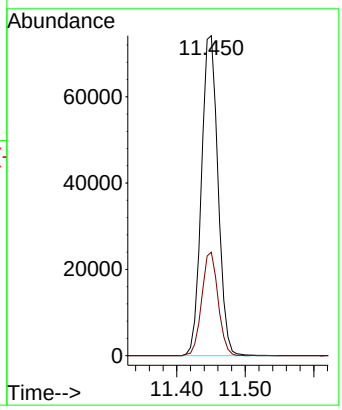




#65
Chlorobenzene
Concen: 21.900 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:112 Resp: 12471

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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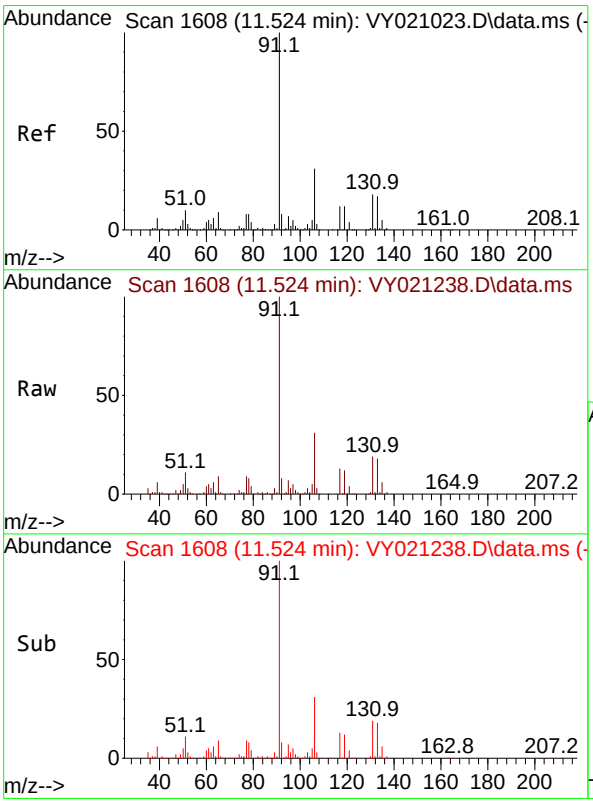
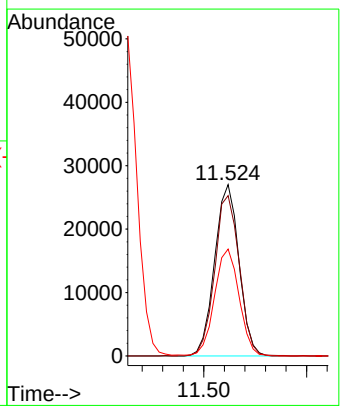
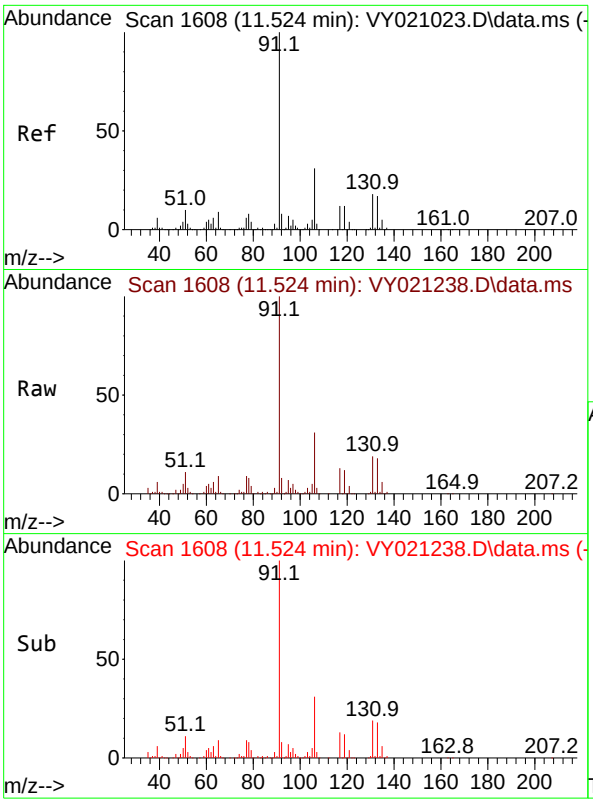


#66
1,1,1,2-Tetrachloroethane
Concen: 21.924 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:131 Resp: 44369

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.0	141.0
119	63.1	33.3	99.9

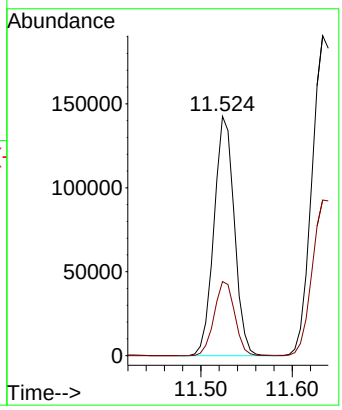




#67
Ethyl Benzene
Concen: 21.940 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 22099

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.4



Instrument :
MSVOA_Y
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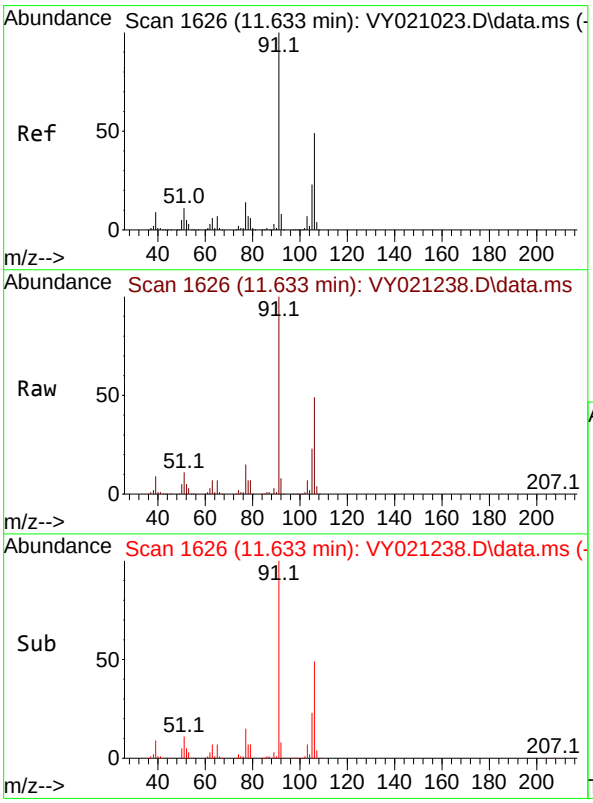
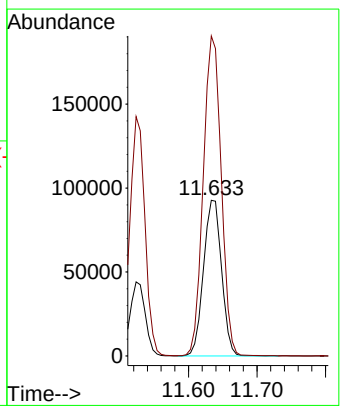
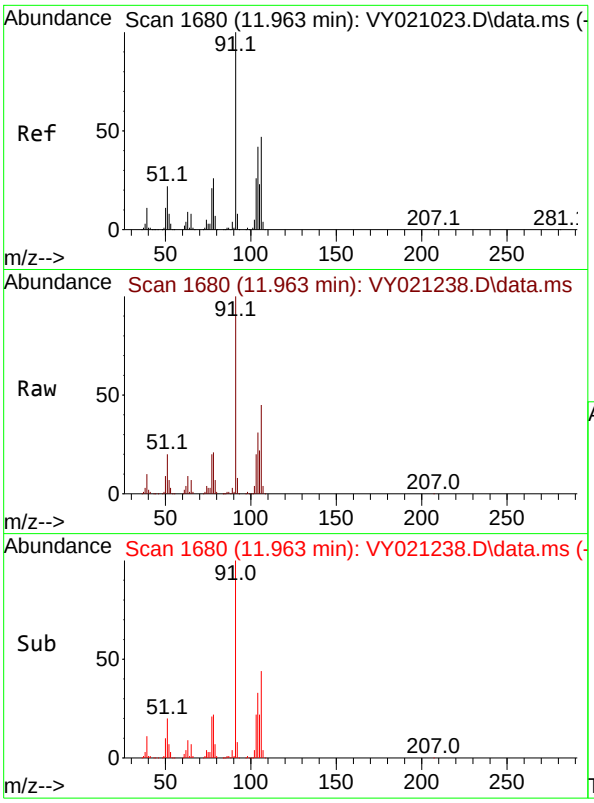


#68
m/p-Xylenes
Concen: 45.133 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:106 Resp: 170065

Ion	Ratio	Lower	Upper
106	100		
91	204.2	160.7	241.1

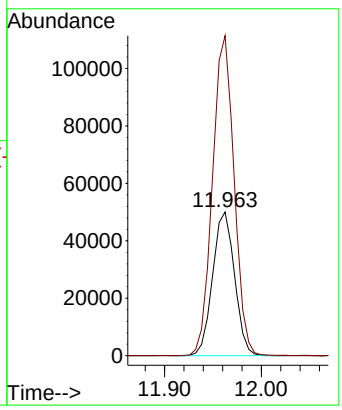




#69
o-Xylene
Concen: 22.395 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:106 Resp: 7867

Ion	Ratio	Lower	Upper
106	100		
91	219.9	106.5	319.5



Instrument :
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ClientSampleId :
VY0219SBS01

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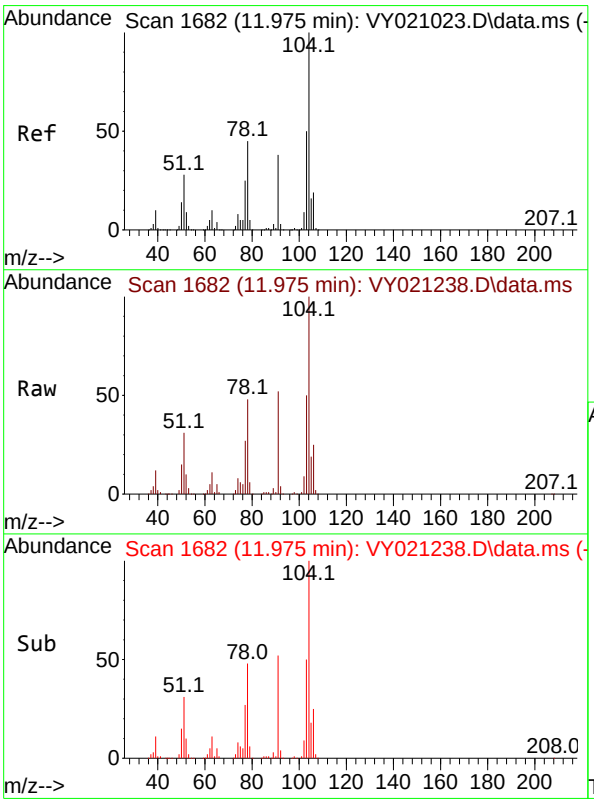
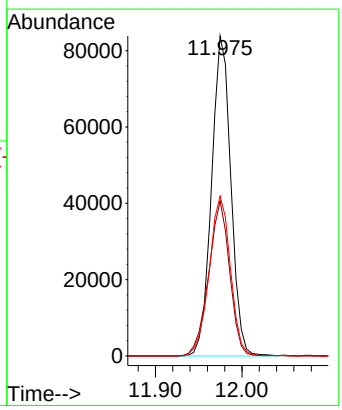
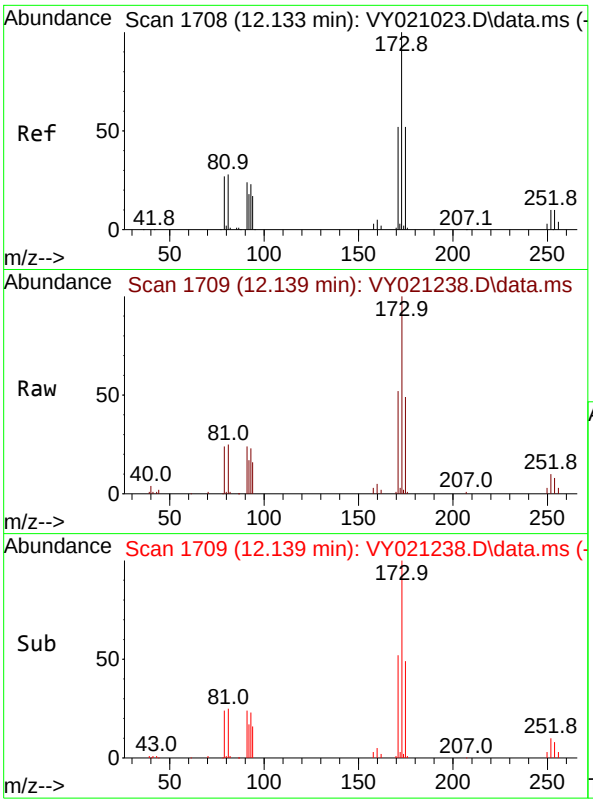


#70
Styrene
Concen: 22.209 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:104 Resp: 130042

Ion	Ratio	Lower	Upper
104	100		
78	52.5	39.2	58.8
103	54.8	43.8	65.6

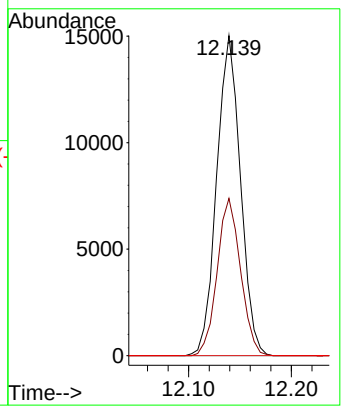




#71
Bromoform
Concen: 21.385 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:173 Resp: 2408

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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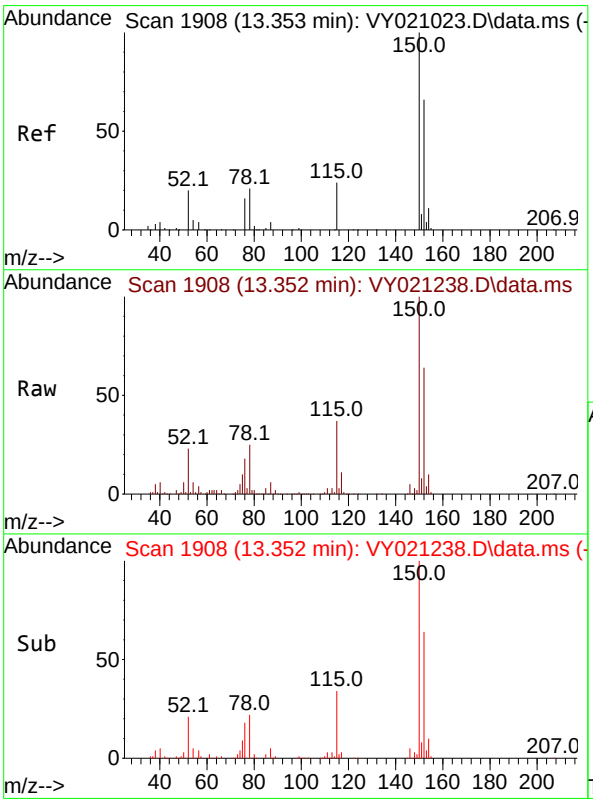
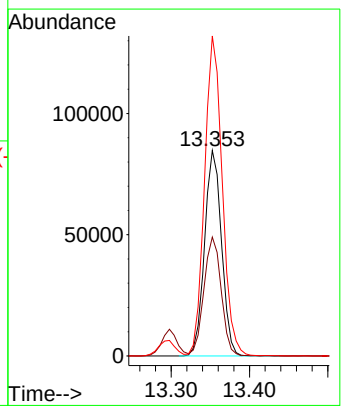
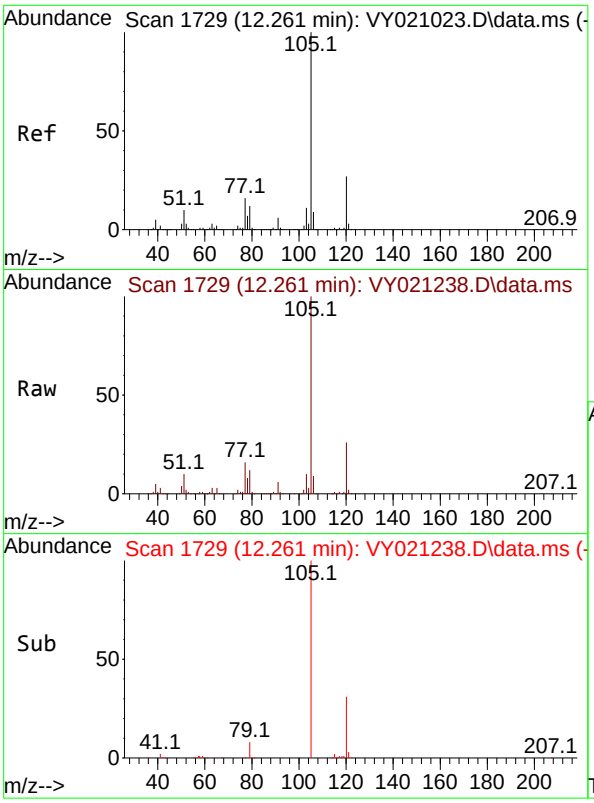


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:152 Resp: 127239

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.0
150	162.7	0.0	344.6

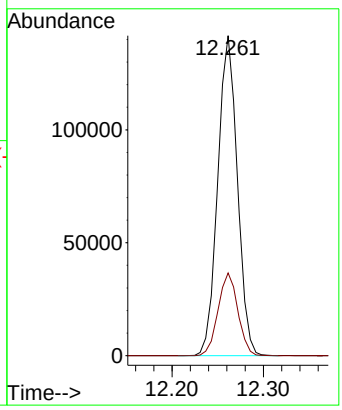




#73
Isopropylbenzene
Concen: 21.270 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 21140

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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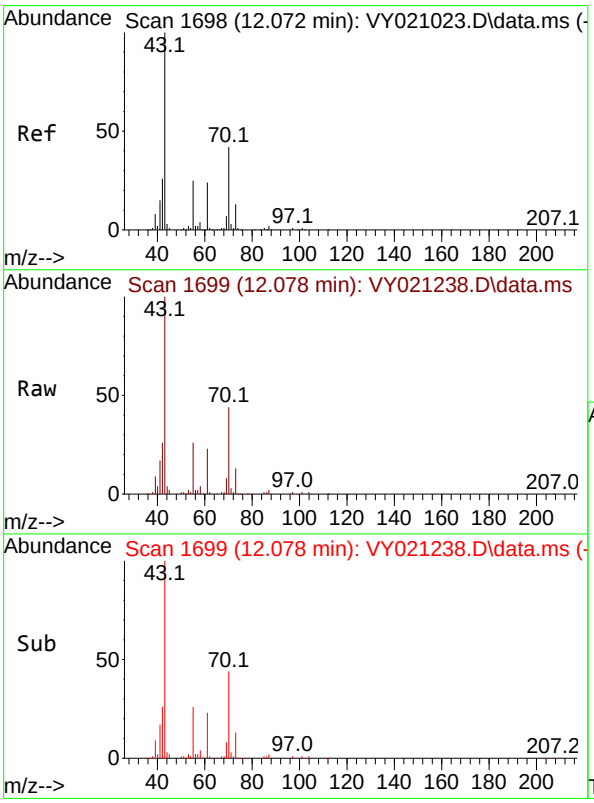
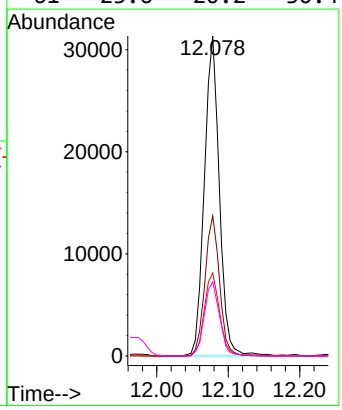
Supervised By :Mahesh Dadoda 02/20/2025

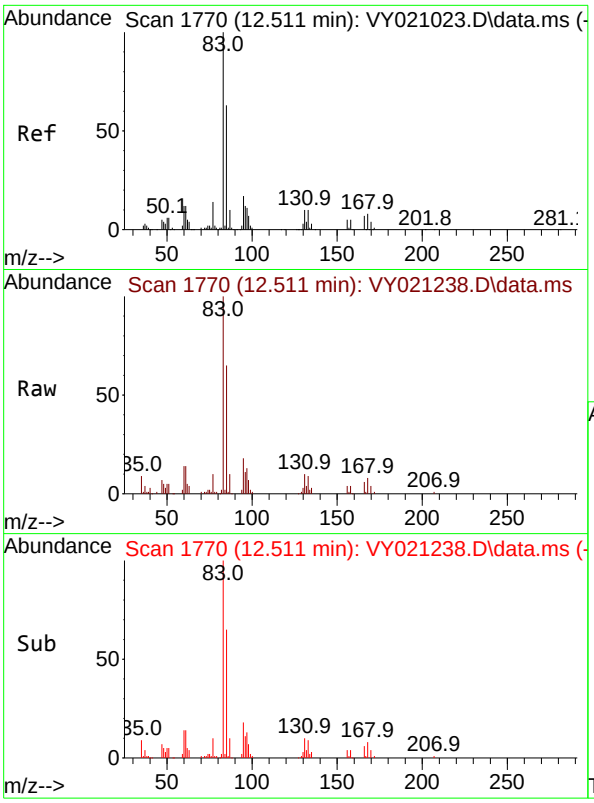


#74
N-amyl acetate
Concen: 21.059 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 45761

Ion	Ratio	Lower	Upper
43	100		
70	42.4	36.6	55.0
55	26.3	22.2	33.4
61	23.6	20.2	30.4

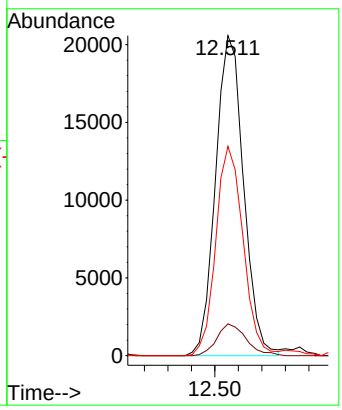




#75
1,1,2,2-Tetrachloroethane
Concen: 20.659 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 3414

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.6
85	63.7	32.6	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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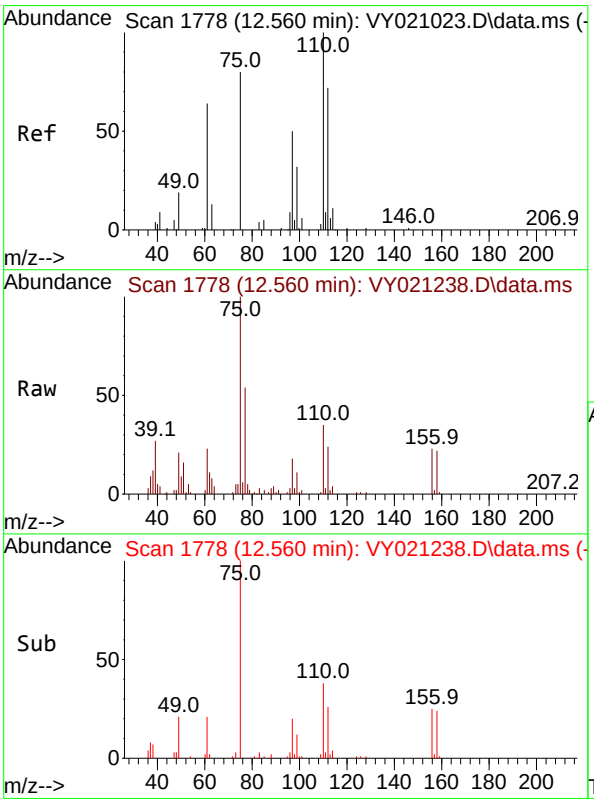
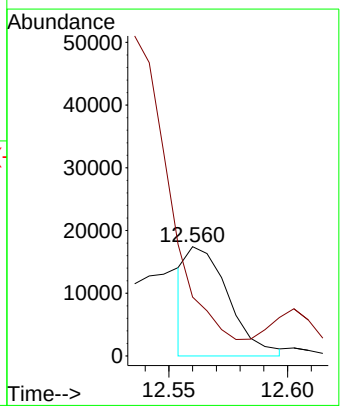
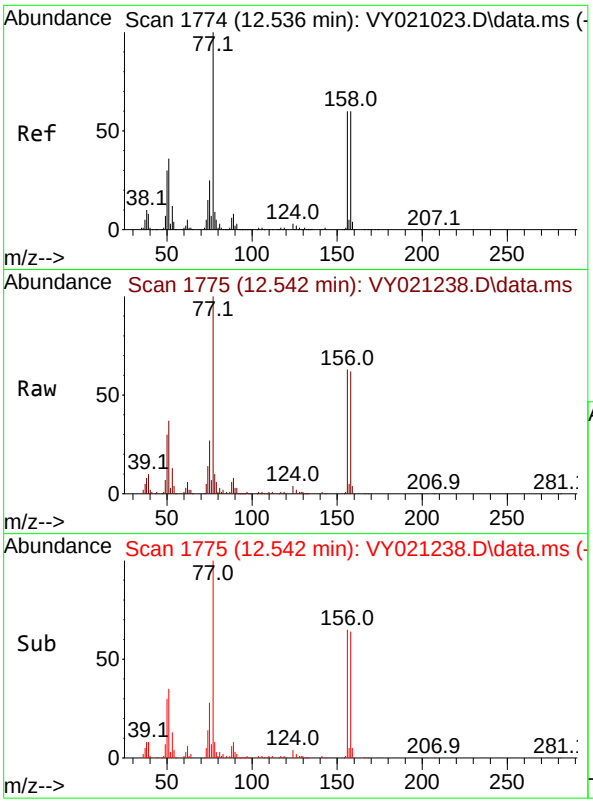


#76
1,2,3-Trichloropropane
Concen: 18.445 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 21289

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

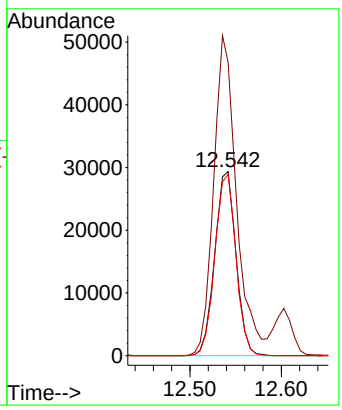




#77
Bromobenzene
Concen: 20.670 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:156 Resp: 4741

Ion	Ratio	Lower	Upper
156	100		
77	185.5	97.3	291.8
158	97.6	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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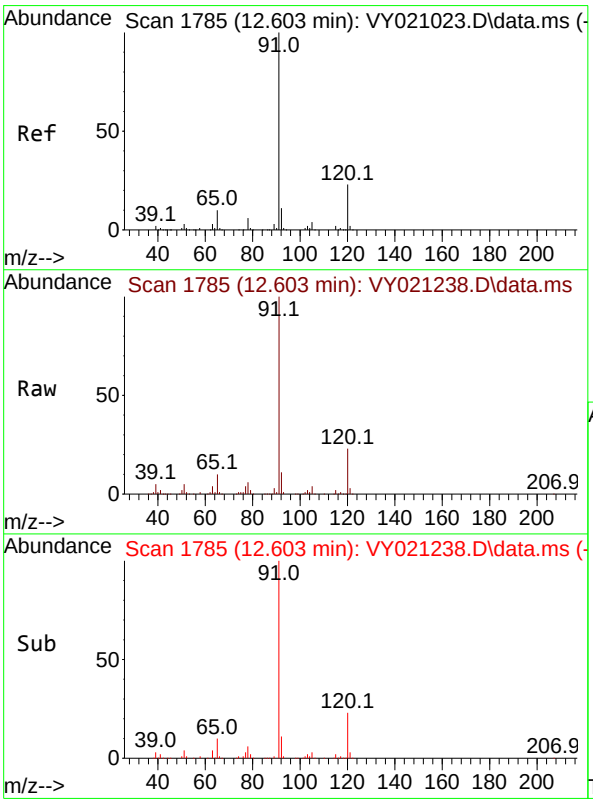
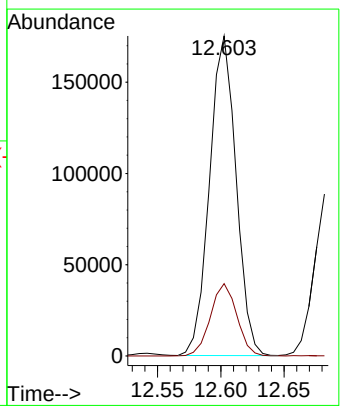
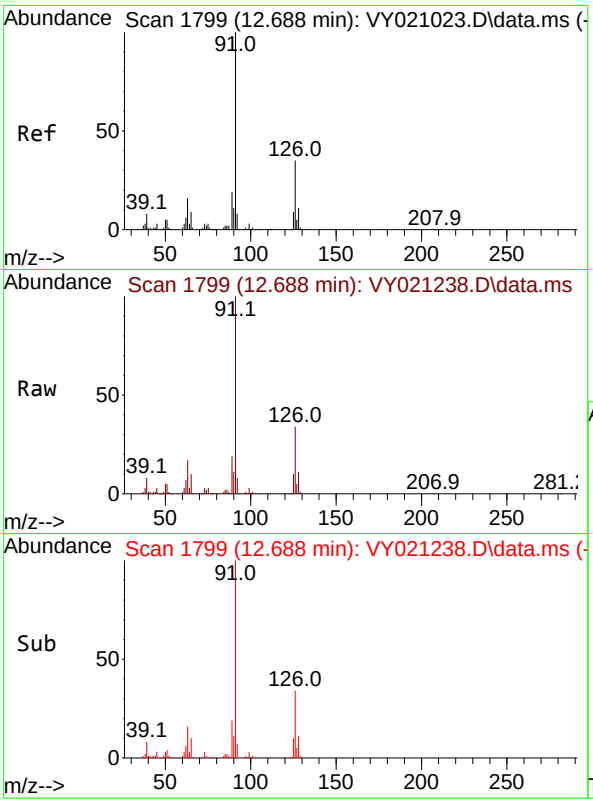


#78
n-propylbenzene
Concen: 21.599 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 255730

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.0	33.0





#79
2-Chlorotoluene
Concen: 21.449 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 14545

Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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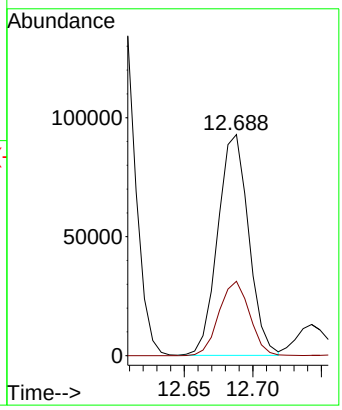
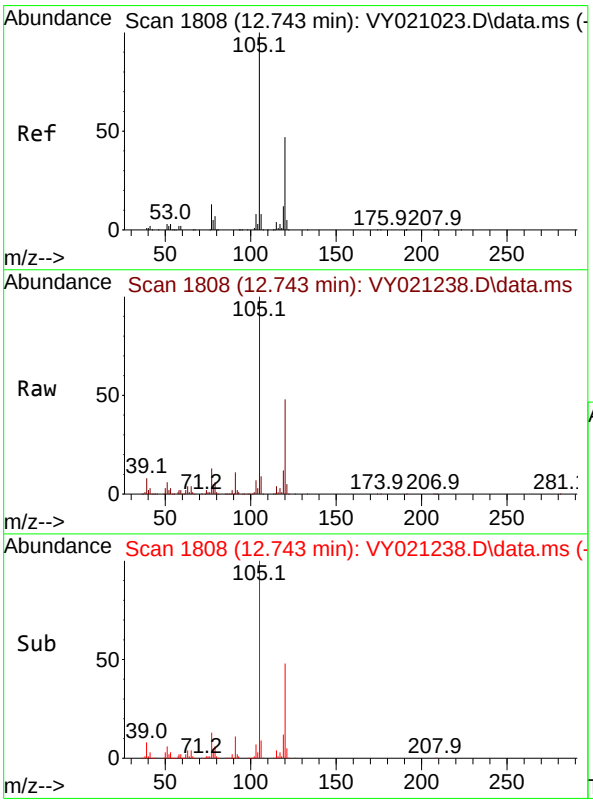
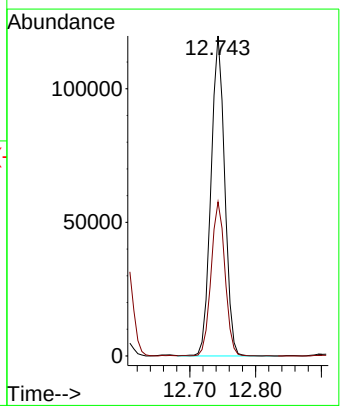


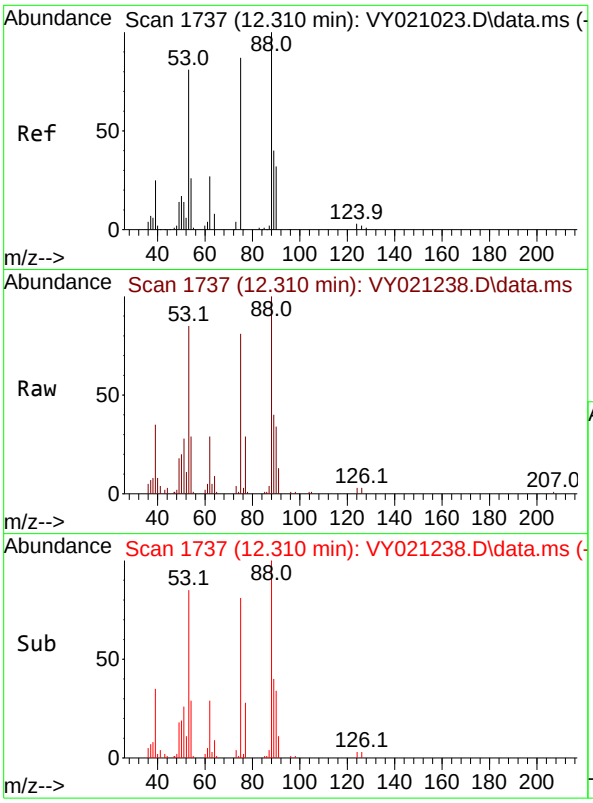


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 173873

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 19.678 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 1113

Ion	Ratio	Lower	Upper
75	100		
53	107.0	74.0	111.0
89	50.8	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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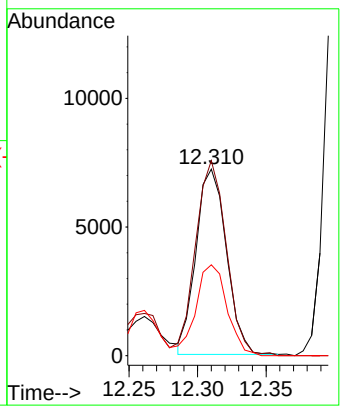
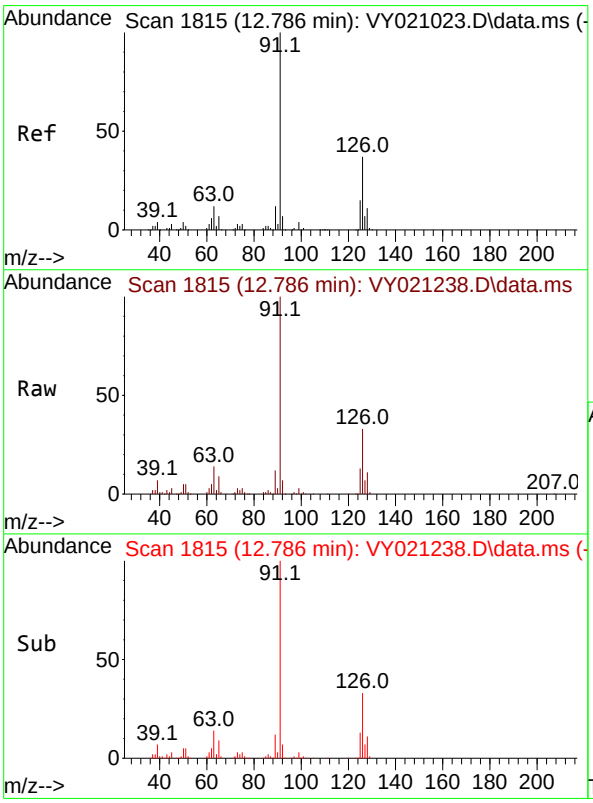
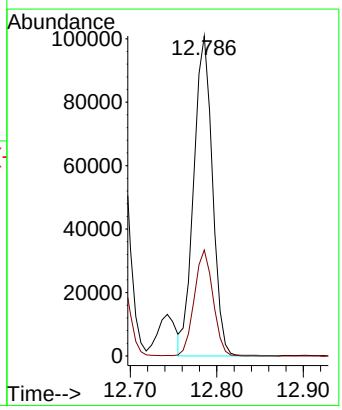


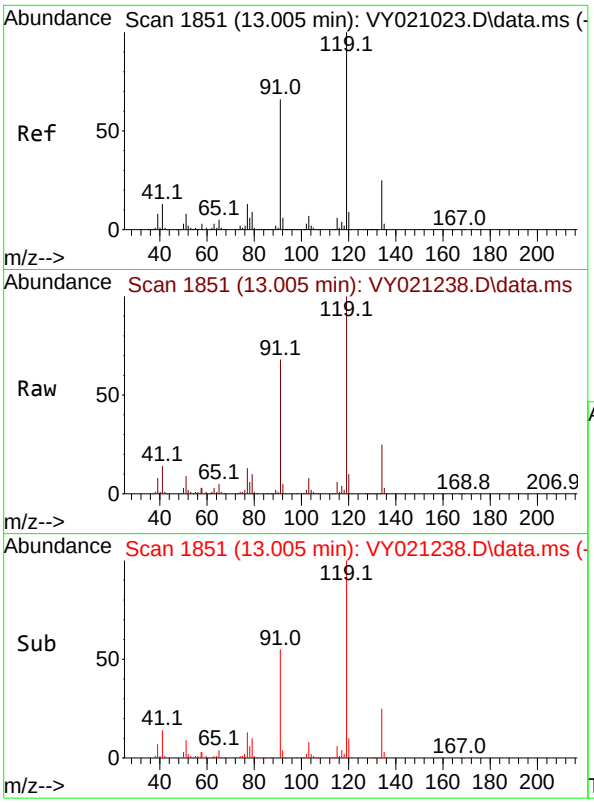


#82
4-Chlorotoluene
Concen: 21.910 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 151381

Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.1	51.2

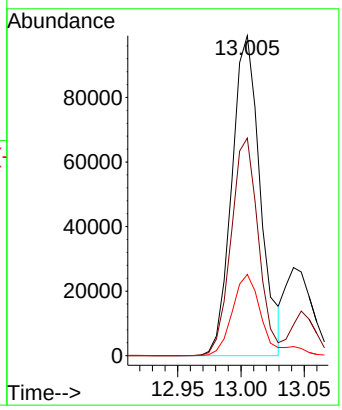




#83
tert-Butylbenzene
Concen: 21.237 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:119 Resp: 15555

Ion	Ratio	Lower	Upper
119	100		
91	65.1	31.5	94.5
134	26.9	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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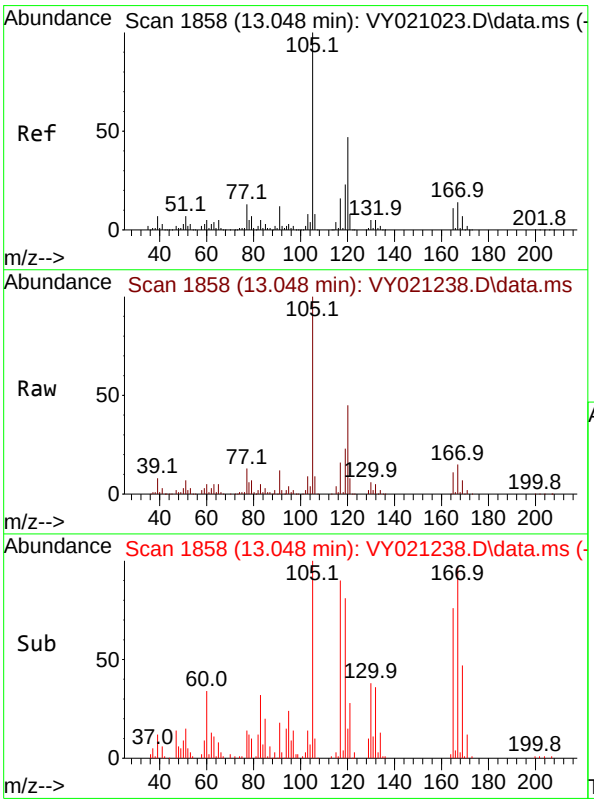
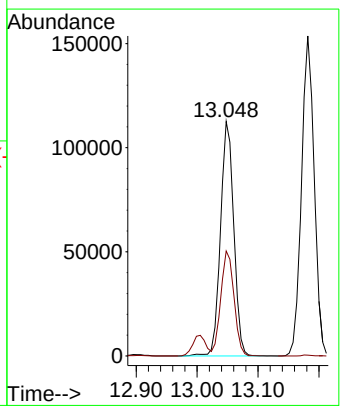
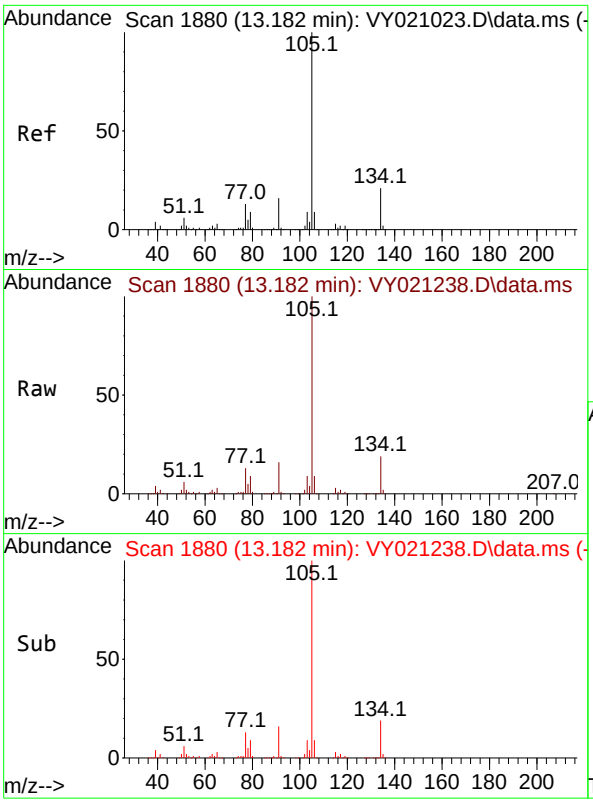


#84
1,2,4-Trimethylbenzene
Concen: 21.644 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 170537

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.3

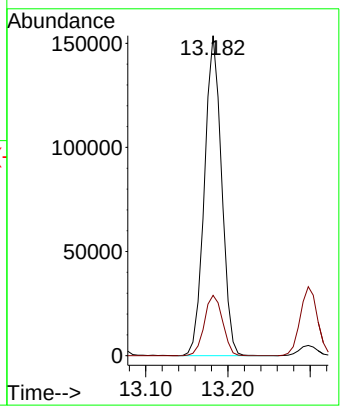




#85
sec-Butylbenzene
Concen: 21.099 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 22245

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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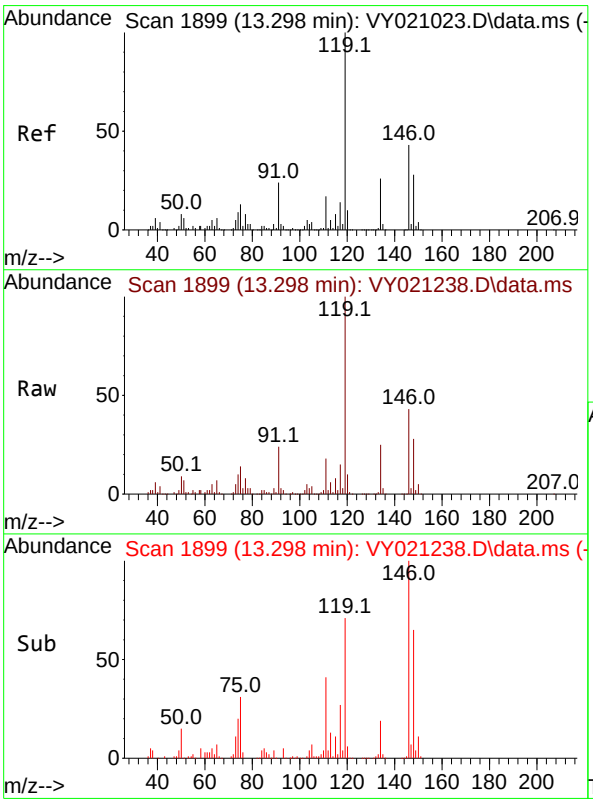
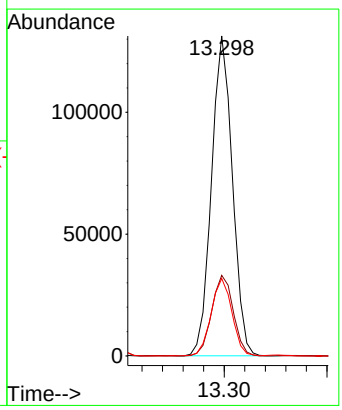
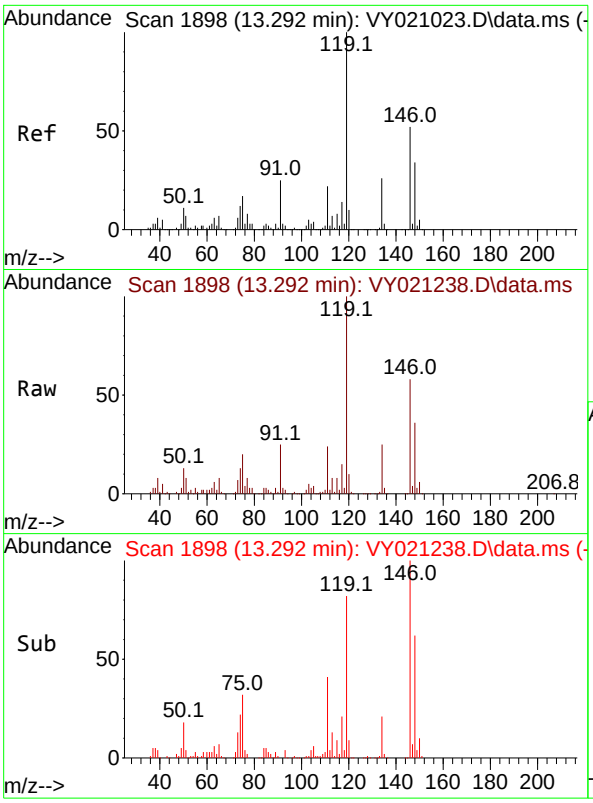


#86
p-Isopropyltoluene
Concen: 21.155 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:119 Resp: 185286

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	24.2	11.7	35.0

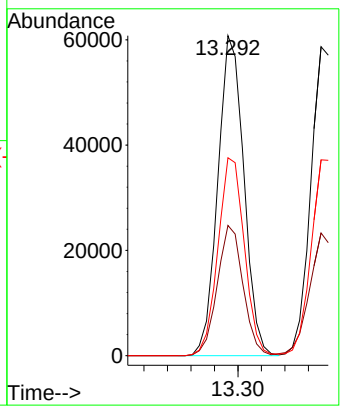




#87
1,3-Dichlorobenzene
Concen: 21.128 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 9357

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	62.8	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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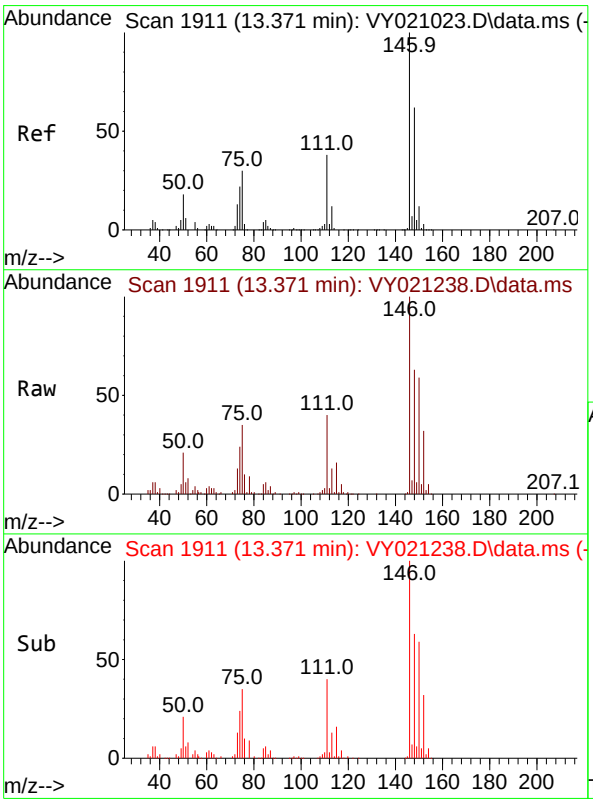
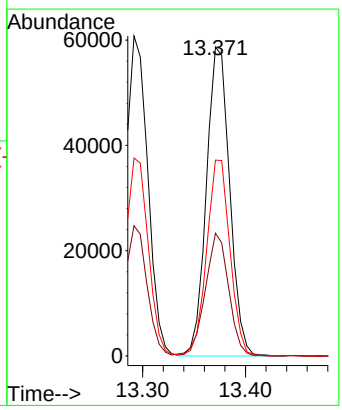
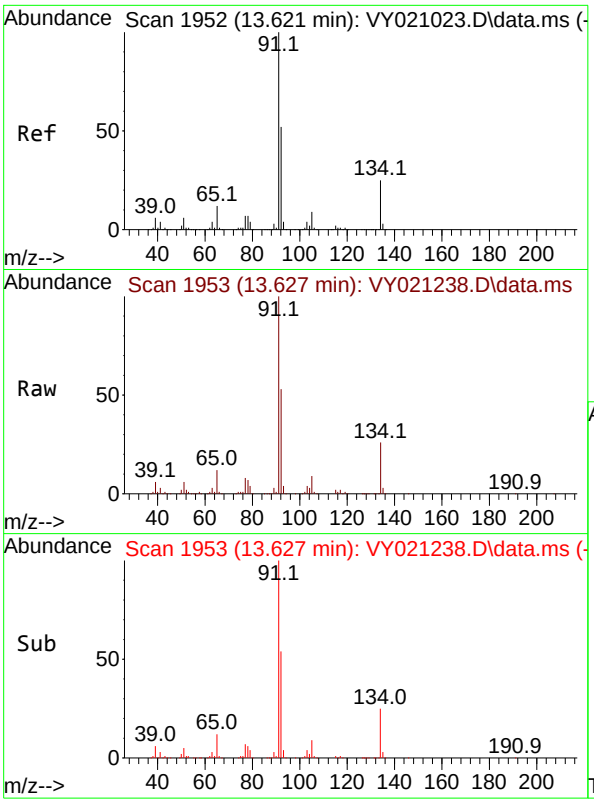


#88
1,4-Dichlorobenzene
Concen: 21.142 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 92191

Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.3	57.9
148	63.4	31.6	94.7

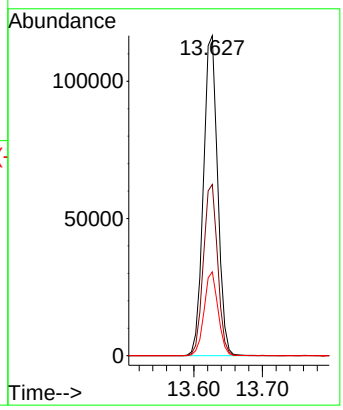




#89
n-Butylbenzene
Concen: 21.153 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 16901

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	25.7	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

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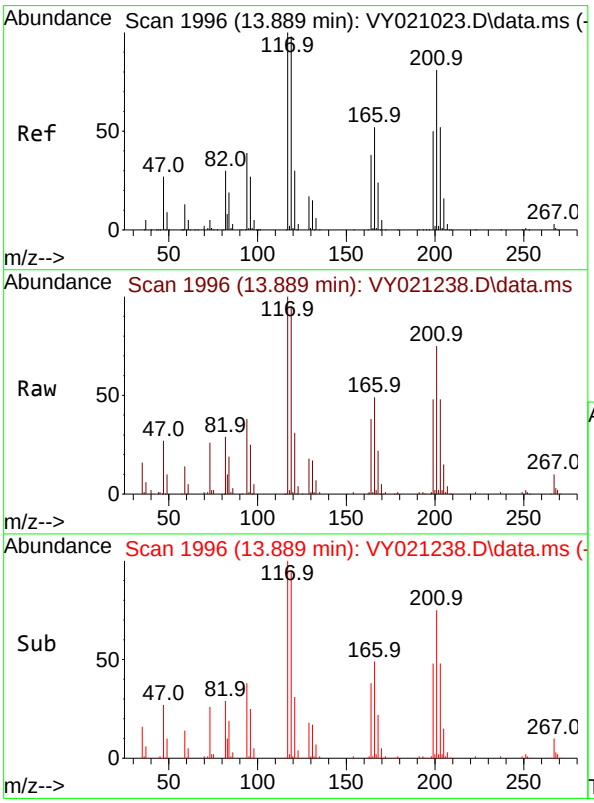
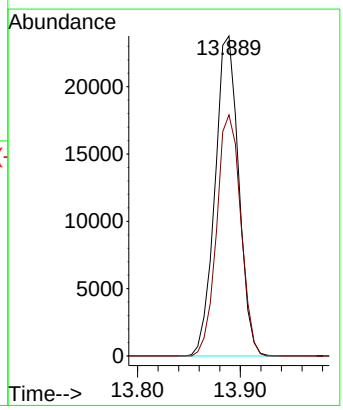
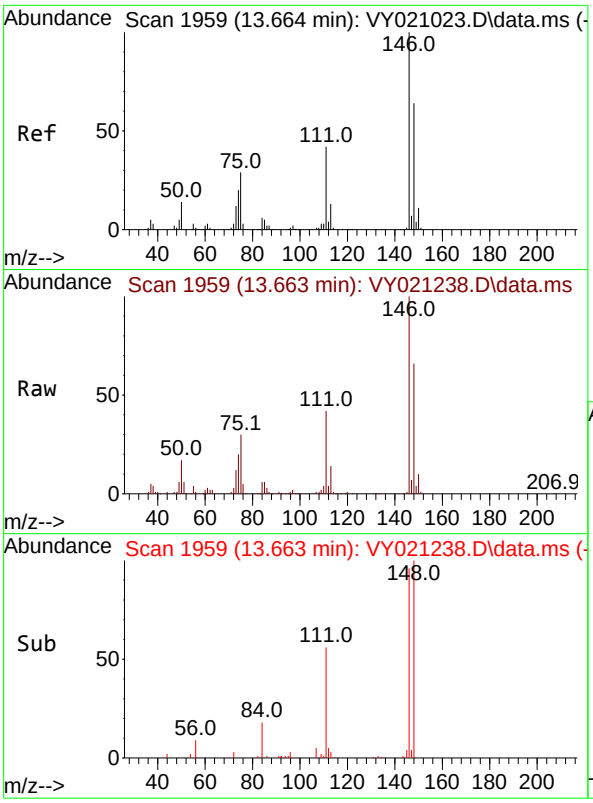


#90
Hexachloroethane
Concen: 20.838 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 38075

Ion	Ratio	Lower	Upper
117	100		
201	76.5	33.4	100.1

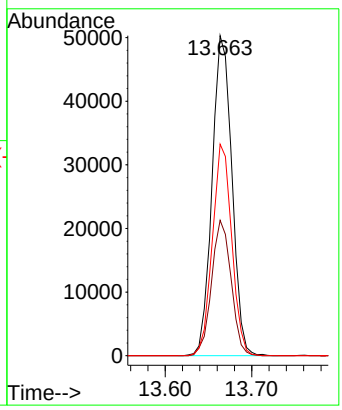




#91
1,2-Dichlorobenzene
Concen: 20.833 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 8008

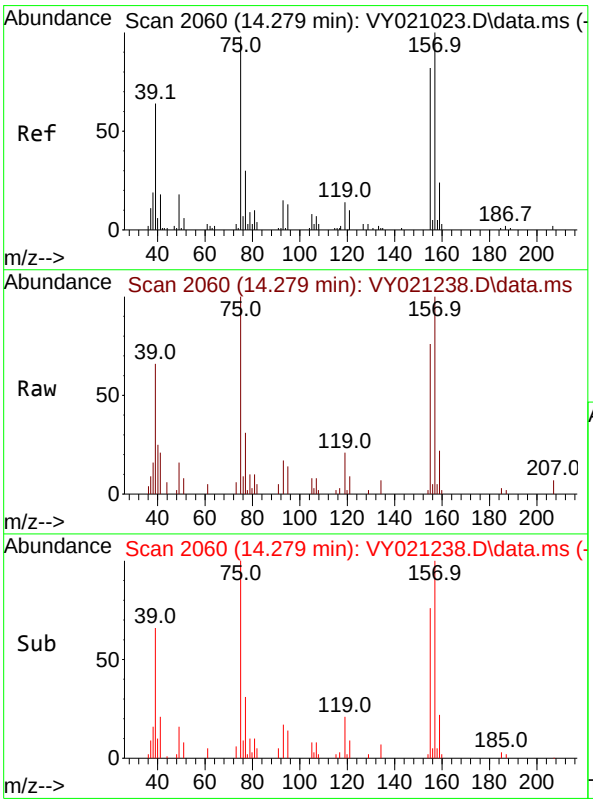
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.5	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
APPROVED

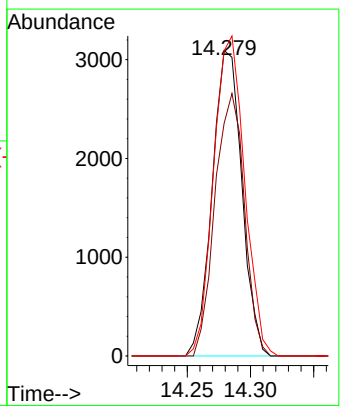
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

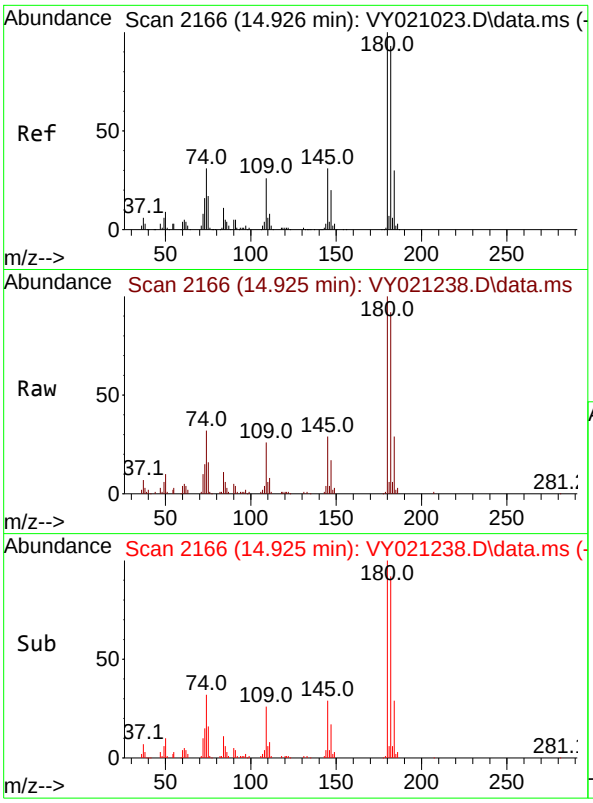


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.379 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 5034

Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.1	126.3
157	109.4	55.8	167.4

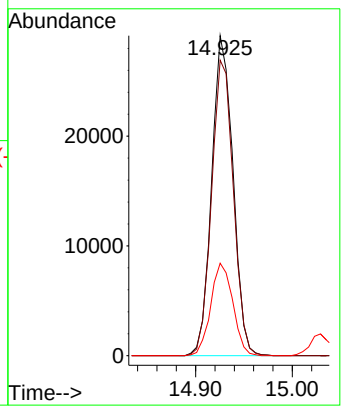




#93
1,2,4-Trichlorobenzene
Concen: 20.795 ug/l
RT: 14.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:180 Resp: 4449

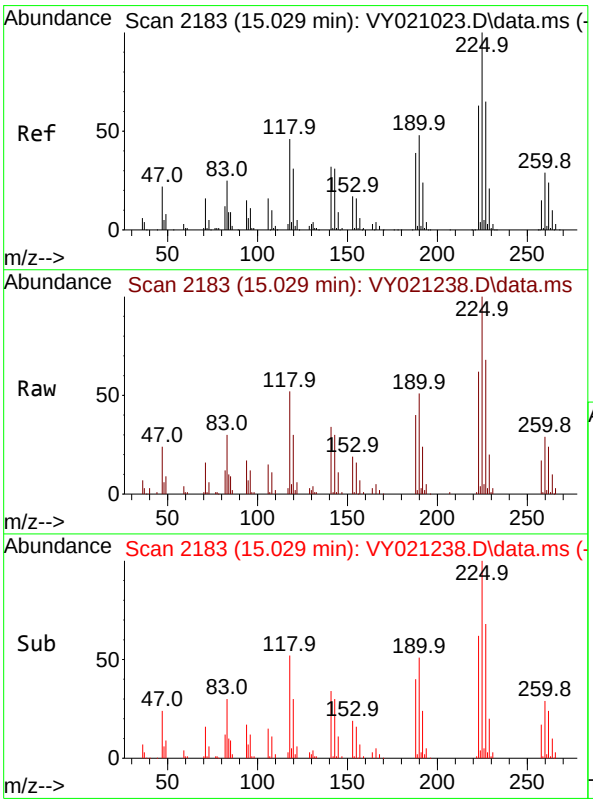
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	30.0	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
APPROVED

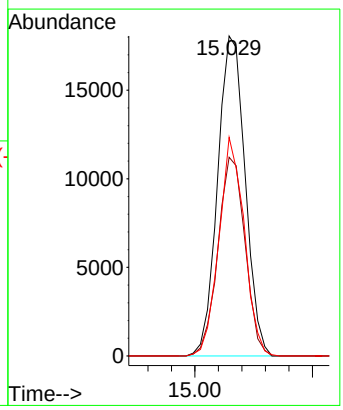
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

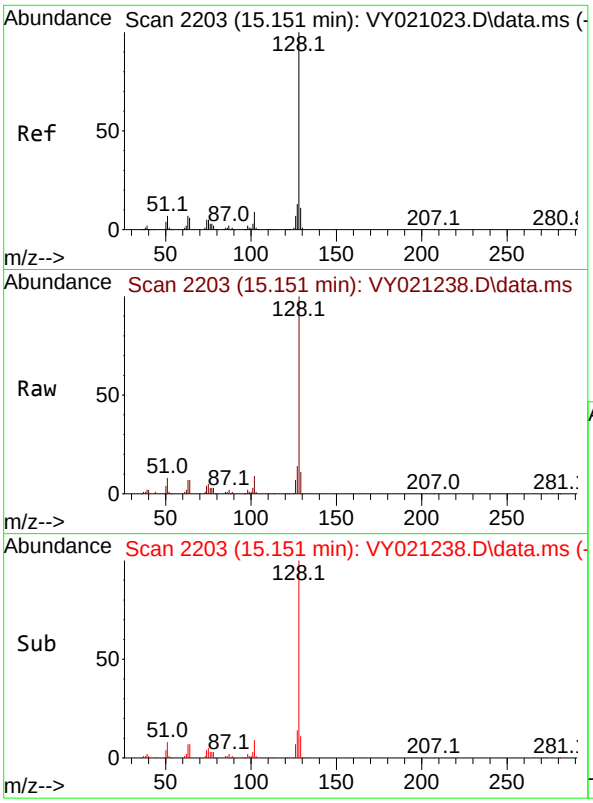


#94
Hexachlorobutadiene
Concen: 20.714 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:225 Resp: 29370

Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.3
227	62.9	32.3	96.8

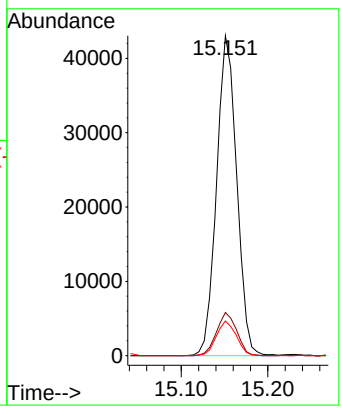




#95
Naphthalene
Concen: 20.324 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:128 Resp: 6957

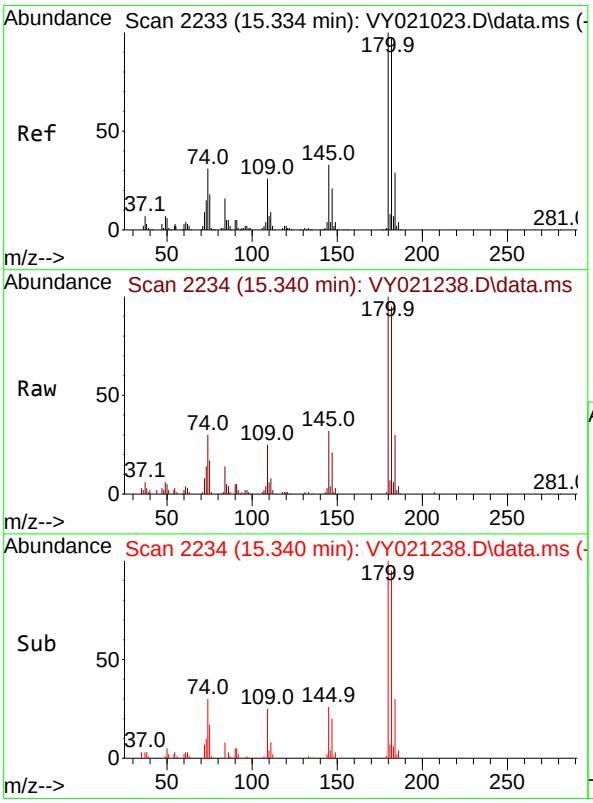
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Manual Integrations
APPROVED

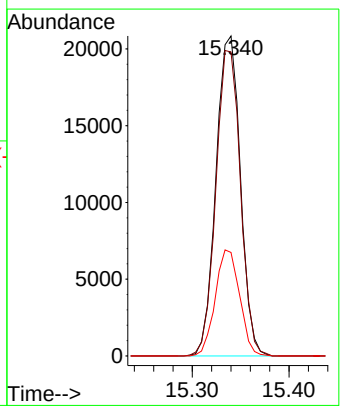
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.486 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:180 Resp: 36476

Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.3	138.8
145	33.1	16.1	48.2



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0226SBS01	SDG No.:	Q1380
Lab Sample ID:	VY0226SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021322.D	1		02/26/25 11:22	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	18.9		1.20	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.77	2.50	5.00	ug/Kg
74-83-9	Bromomethane	19.2		1.00	4.00	5.00	ug/Kg
75-00-3	Chloroethane	19.0		1.00	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.0		0.91	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	94.9		6.20	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.30	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.0		0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.1		0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	92.9		5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.0		0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.2		0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	19.3		0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.2		0.78	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.87	2.50	5.00	ug/Kg
71-43-2	Benzene	19.3		0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.2		0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	19.2		0.75	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.1		0.66	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.1		0.56	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.3		4.40	12.5	25.0	ug/Kg
108-88-3	Toluene	19.3		0.67	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.0		0.60	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.57	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.1		0.84	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	93.8		4.80	12.5	25.0	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VY0226SBS01	SDG No.:	Q1380
Lab Sample ID:	VY0226SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021322.D	1		02/26/25 11:22	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	19.3		0.65	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.2		0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	19.0		0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.8		1.40	5.00	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.70	2.50	5.00	ug/Kg
100-42-5	Styrene	19.3		0.60	2.50	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.1		0.67	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.10	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.1		0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.2		0.80	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.8		0.59	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.7		71 - 136		93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		78 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	47.6		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		79 - 119		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	184000	7.707				
540-36-3	1,4-Difluorobenzene	291000	8.615				
3114-55-4	Chlorobenzene-d5	255000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.346				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	184417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	291138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	254891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97685	46.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.380%			
35) Dibromofluoromethane	7.634	113	90492	47.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.820%			
50) Toluene-d8	10.109	98	351200	47.609	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.407	95	117404	47.291	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	34125	19.517	ug/l	97
3) Chloromethane	2.068	50	42771	18.941	ug/l	96
4) Vinyl Chloride	2.202	62	42765	19.295	ug/l	98
5) Bromomethane	2.592	94	28297	19.212	ug/l	100
6) Chloroethane	2.732	64	26124	19.007	ug/l	95
7) Trichlorofluoromethane	3.056	101	63673	19.022	ug/l	100
8) Diethyl Ether	3.452	74	19334	19.245	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	38299	19.763	ug/l	98
10) Methyl Iodide	4.007	142	37750	18.516	ug/l	99
11) Tert butyl alcohol	4.854	59	13942	86.641	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	35305	19.026	ug/l	96
13) Acrolein	3.653	56	20005	162.231	ug/l	95
14) Allyl chloride	4.385	41	62973	19.141	ug/l	98
15) Acrylonitrile	5.061	53	42599	95.903	ug/l	99
16) Acetone	3.872	43	38073	94.873	ug/l	99
17) Carbon Disulfide	4.104	76	114721	18.619	ug/l	100
18) Methyl Acetate	4.385	43	18152	18.509	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	93663	19.105	ug/l	100
20) Methylene Chloride	4.610	84	40120	18.488	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	38871	19.029	ug/l	97
22) Diisopropyl ether	6.018	45	134550	19.764	ug/l	100
23) Vinyl Acetate	5.957	43	386141	94.917	ug/l	98
24) 1,1-Dichloroethane	5.915	63	73384	19.125	ug/l	99
25) 2-Butanone	6.890	43	56272	92.910	ug/l	100
26) 2,2-Dichloropropane	6.884	77	66242	19.026	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	44795	19.204	ug/l	99
28) Bromochloromethane	7.244	49	30330	17.864	ug/l	99
29) Tetrahydrofuran	7.262	42	37274	94.152	ug/l	98
30) Chloroform	7.421	83	75017	19.294	ug/l	99
31) Cyclohexane	7.701	56	69642	18.881	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	67879	19.180	ug/l	99
36) 1,1-Dichloropropene	7.835	75	55184	19.247	ug/l	100
37) Ethyl Acetate	6.988	43	28035	19.657	ug/l	99
38) Carbon Tetrachloride	7.817	117	61214	18.991	ug/l	96
39) Methylcyclohexane	9.109	83	68527	18.897	ug/l	97
40) Benzene	8.079	78	163641	19.308	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	12920m	16.203	ug/l		
42) 1,2-Dichloroethane	8.158	62	46152	19.193	ug/l		100
43) Isopropyl Acetate	8.195	43	51417	18.626	ug/l		99
44) Trichloroethene	8.865	130	40770	19.214	ug/l		98
45) 1,2-Dichloropropane	9.140	63	39037	19.139	ug/l		95
46) Dibromomethane	9.231	93	21795	19.549	ug/l		97
47) Bromodichloromethane	9.420	83	56650	19.056	ug/l		97
48) Methyl methacrylate	9.219	41	25014	19.377	ug/l		99
49) 1,4-Dioxane	9.231	88	4576	369.128	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	131838	93.298	ug/l		100
52) Toluene	10.170	92	101381	19.255	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	51842	19.034	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	61986	19.278	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	27740	19.099	ug/l		97
56) Ethyl methacrylate	10.438	69	37632	18.751	ug/l		99
57) 1,3-Dichloropropane	10.719	76	49393	19.380	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	87093	90.414	ug/l		100
59) 2-Hexanone	10.761	43	87008	93.755	ug/l		99
60) Dibromochloromethane	10.908	129	38212	19.318	ug/l		100
61) 1,2-Dibromoethane	11.011	107	25849	18.799	ug/l		96
64) Tetrachloroethene	10.646	164	36984	19.197	ug/l		97
65) Chlorobenzene	11.444	112	108578	18.977	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.517	131	39302	19.617	ug/l		98
67) Ethyl Benzene	11.517	91	192592	19.003	ug/l		100
68) m/p-Xylenes	11.627	106	147929	38.806	ug/l		100
69) o-Xylene	11.956	106	69071	19.342	ug/l		99
70) Styrene	11.969	104	114447	19.262	ug/l		99
71) Bromoform	12.133	173	21872	19.083	ug/l	#	99
73) Isopropylbenzene	12.255	105	184435	19.058	ug/l		100
74) N-amyl acetate	12.072	43	44104	17.930	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32169	18.835	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	20053m	15.563	ug/l		
77) Bromobenzene	12.529	156	42599	18.925	ug/l		98
78) n-propylbenzene	12.596	91	226845	19.317	ug/l		100
79) 2-Chlorotoluene	12.682	91	128526	19.070	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	155422	19.582	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10066	17.364	ug/l		95
82) 4-Chlorotoluene	12.779	91	133936	19.171	ug/l		100
83) tert-Butylbenzene	12.999	119	136788	19.079	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	152431	19.310	ug/l		99
85) sec-Butylbenzene	13.176	105	204066	19.486	ug/l		100
86) p-Isopropyltoluene	13.291	119	167856	19.195	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	85257	19.148	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	84570	19.226	ug/l		99
89) n-Butylbenzene	13.621	91	155625	18.911	ug/l		100
90) Hexachloroethane	13.883	117	34224	18.736	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	73256	18.778	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5025	18.599	ug/l		93
93) 1,2,4-Trichlorobenzene	14.925	180	42148	17.702	ug/l		99
94) Hexachlorobutadiene	15.023	225	27956	18.650	ug/l		99
95) Naphthalene	15.151	128	68106	17.269	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	36072	17.931	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations APPROVED

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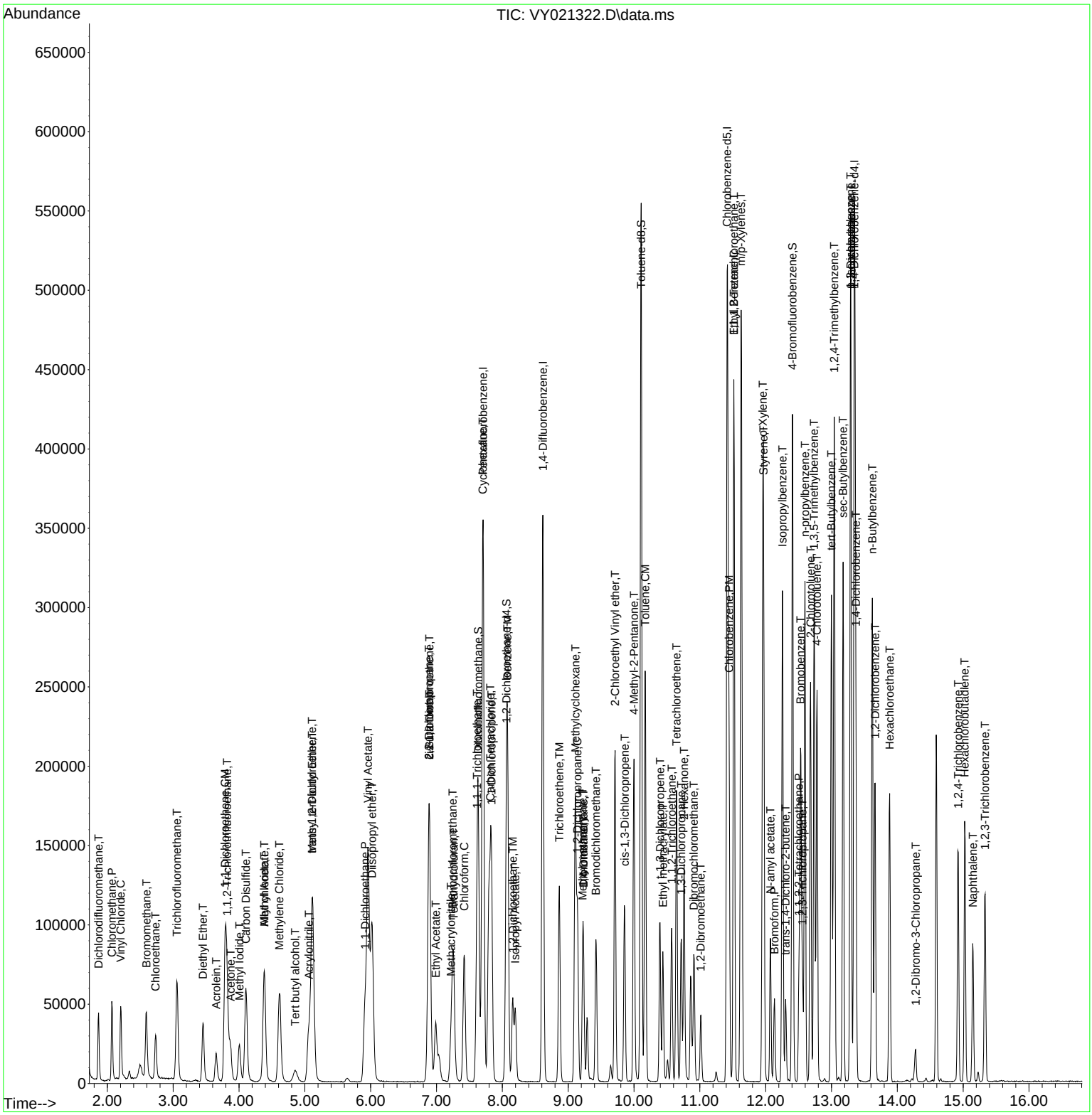
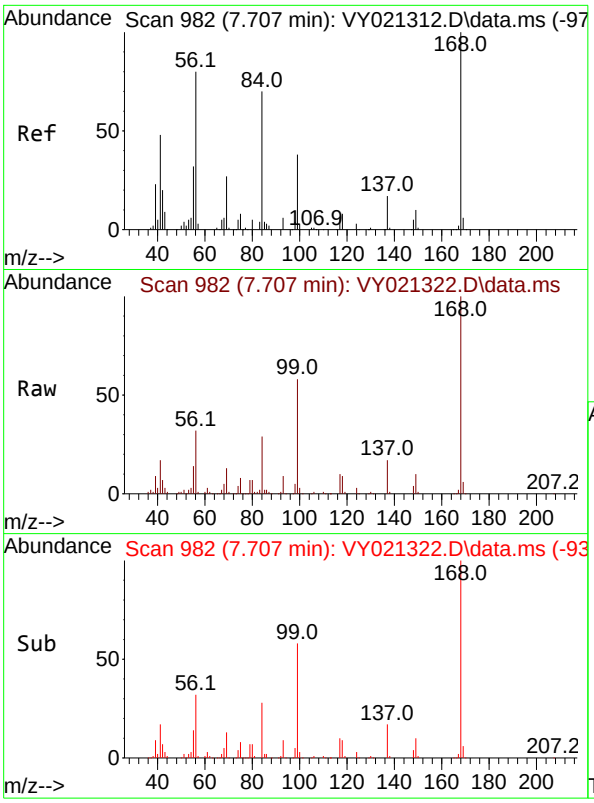
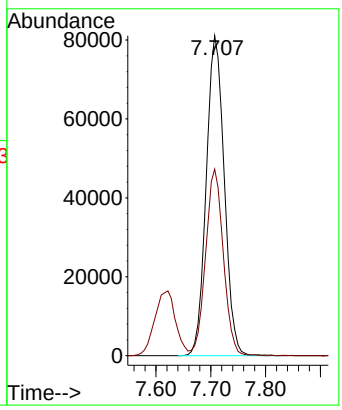




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:168 Resp: 18441

Ion	Ratio	Lower	Upper
168	100		
99	58.3	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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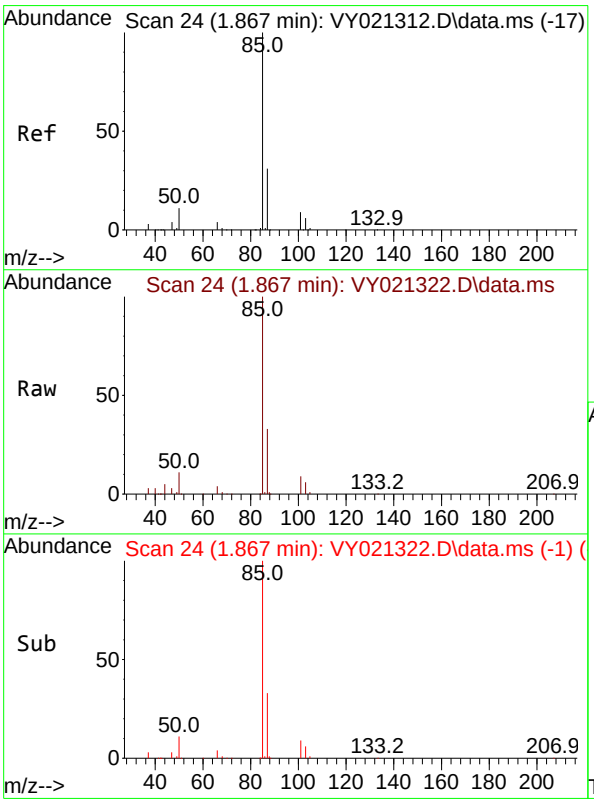
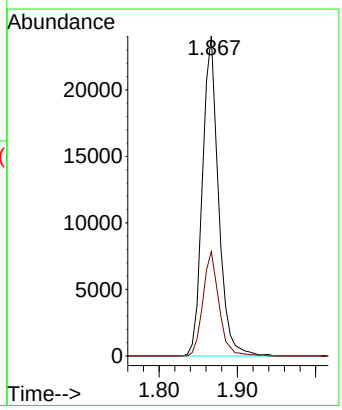
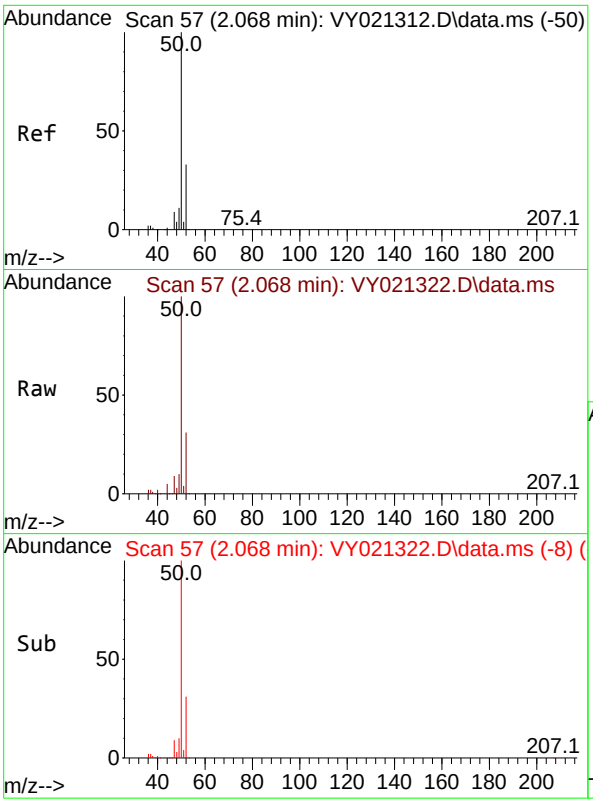


#2
Dichlorodifluoromethane
Concen: 19.517 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 85 Resp: 34125

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4

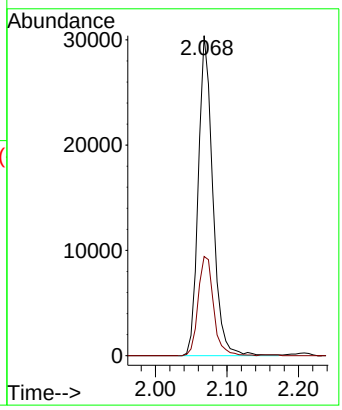




#3
Chloromethane
Concen: 18.941 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 50 Resp: 4277

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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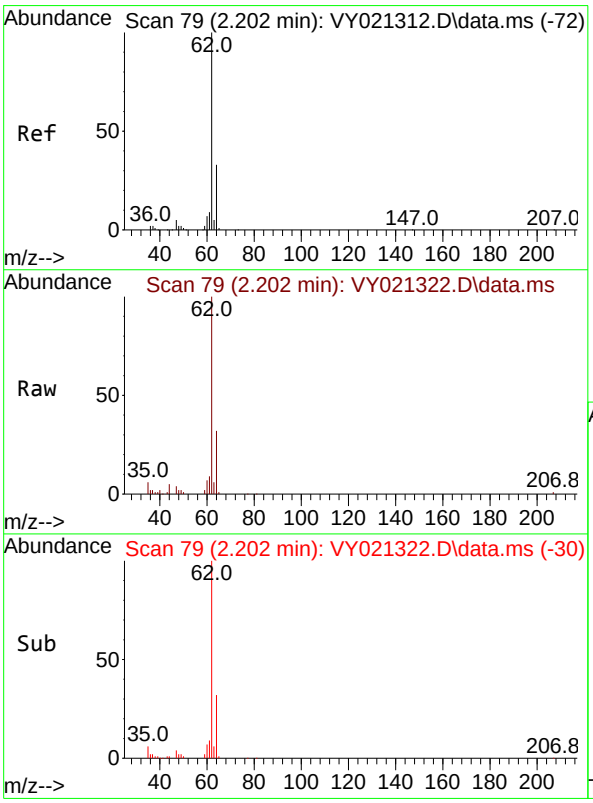
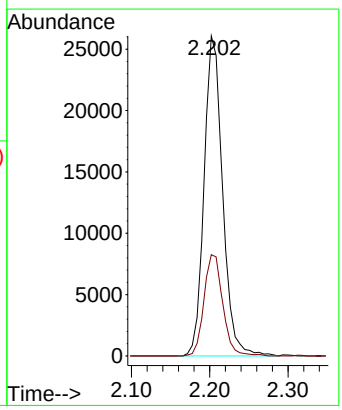
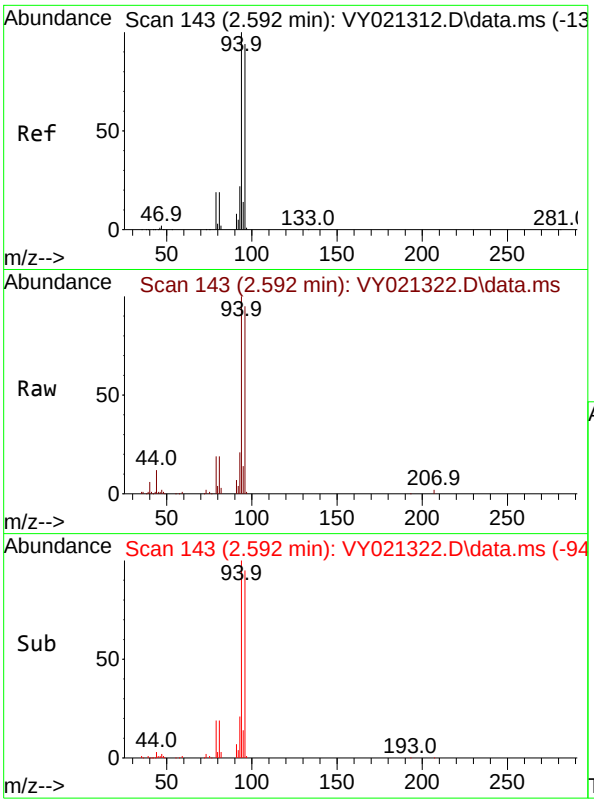


#4
Vinyl Chloride
Concen: 19.295 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 42765

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.3	39.5

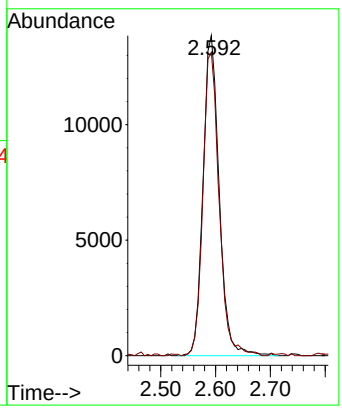




#5
Bromomethane
Concen: 19.212 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 94 Resp: 2829

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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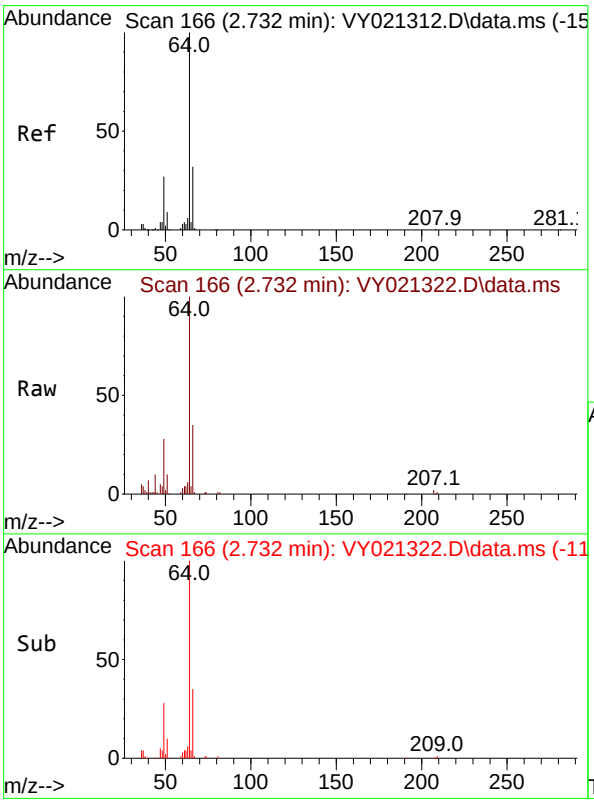
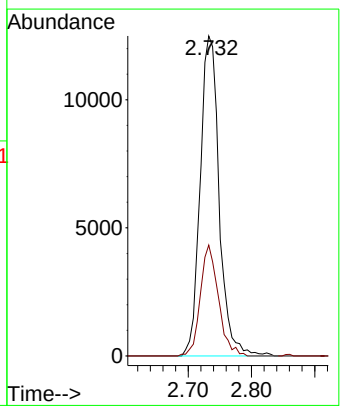
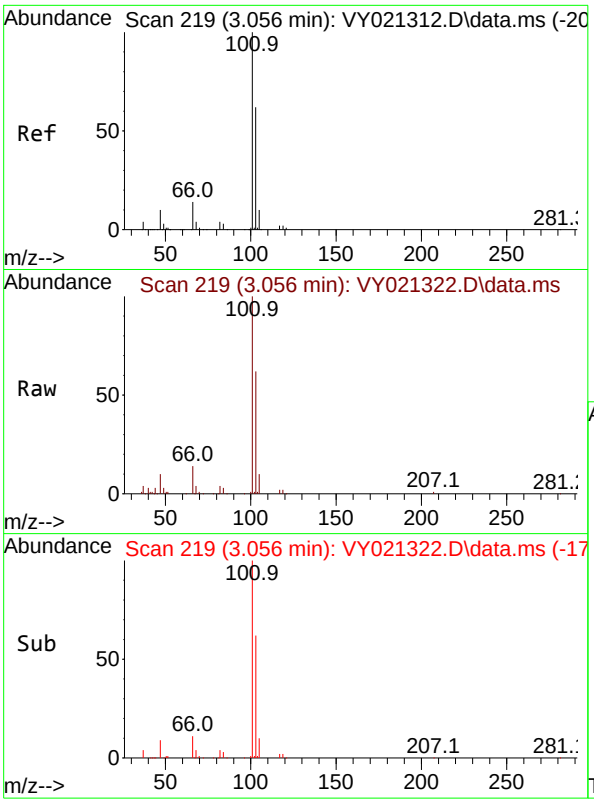


#6
Chloroethane
Concen: 19.007 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 64 Resp: 26124

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.4	38.0

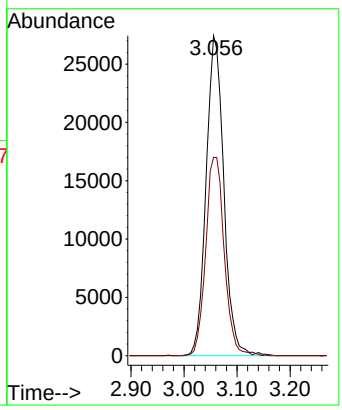




#7
Trichlorofluoromethane
Concen: 19.022 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:101 Resp: 6367

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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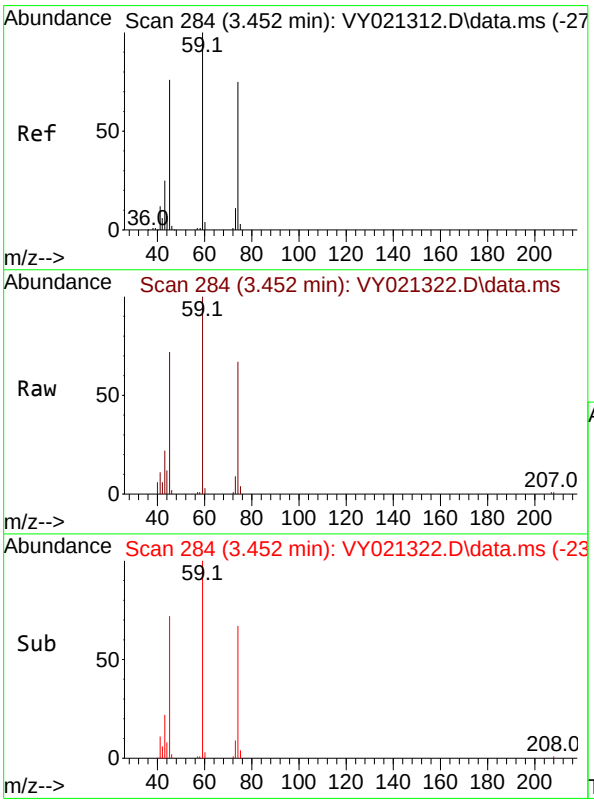
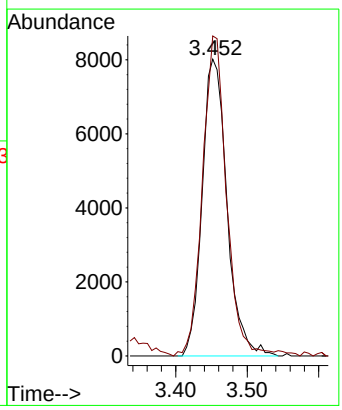
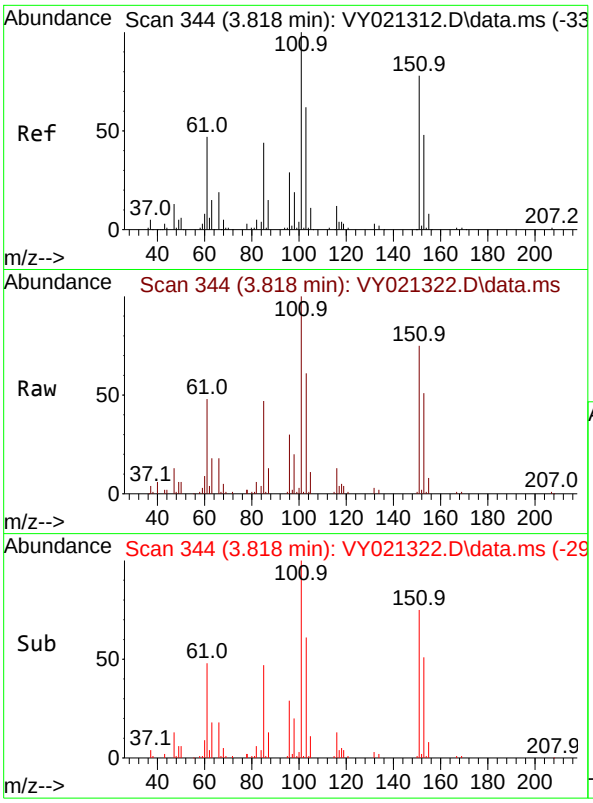


#8
Diethyl Ether
Concen: 19.245 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 74 Resp: 19334

Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.3	150.9

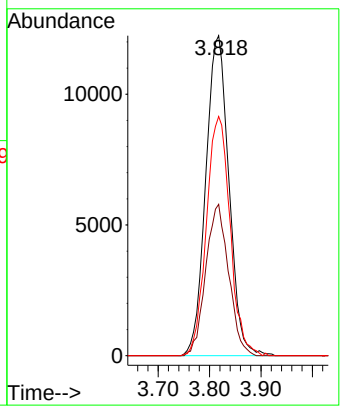




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.763 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:101 Resp: 3829

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.7	55.1
151	76.6	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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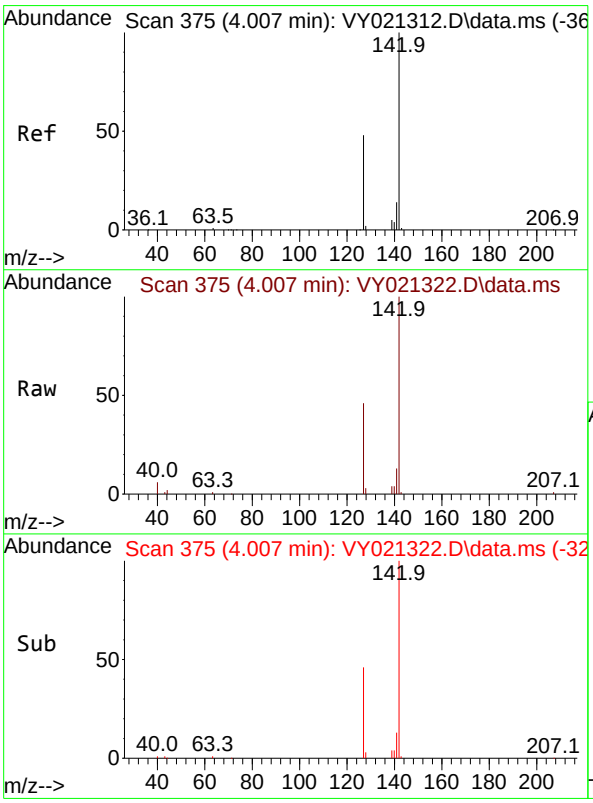
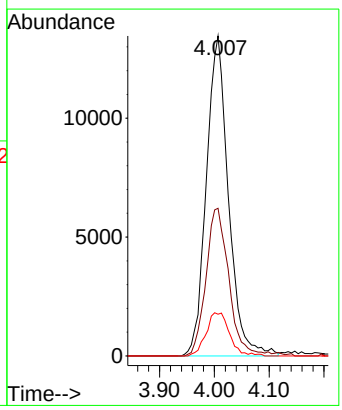
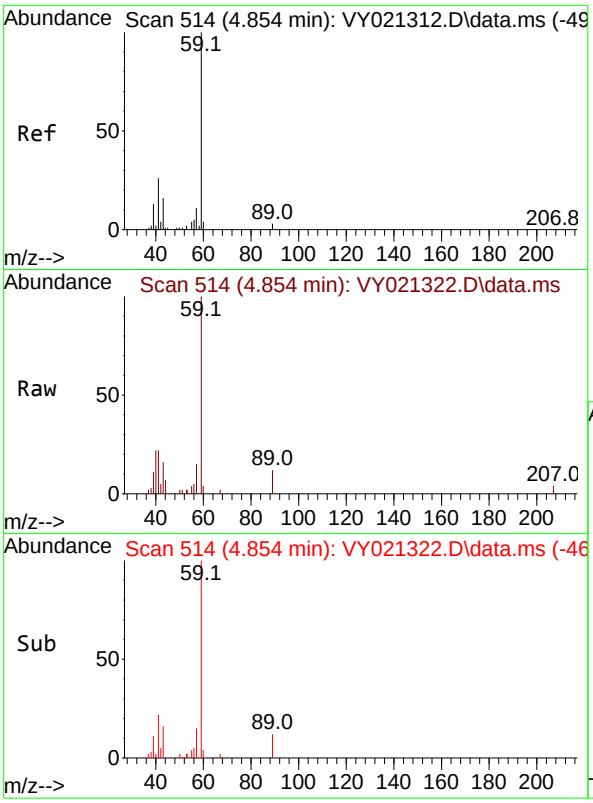


#10
Methyl Iodide
Concen: 18.516 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:142 Resp: 37750

Ion	Ratio	Lower	Upper
142	100		
127	47.7	39.2	58.8
141	14.3	11.4	17.2

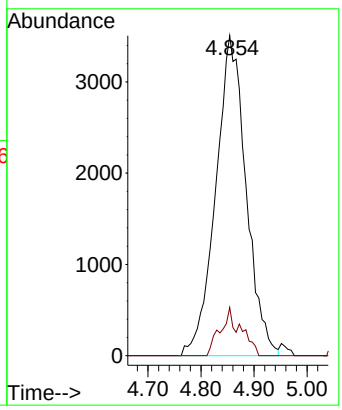




#11
Tert butyl alcohol
Concen: 86.641 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 59 Resp: 1394

Ion	Ratio	Lower	Upper
59	100		
57	6.7	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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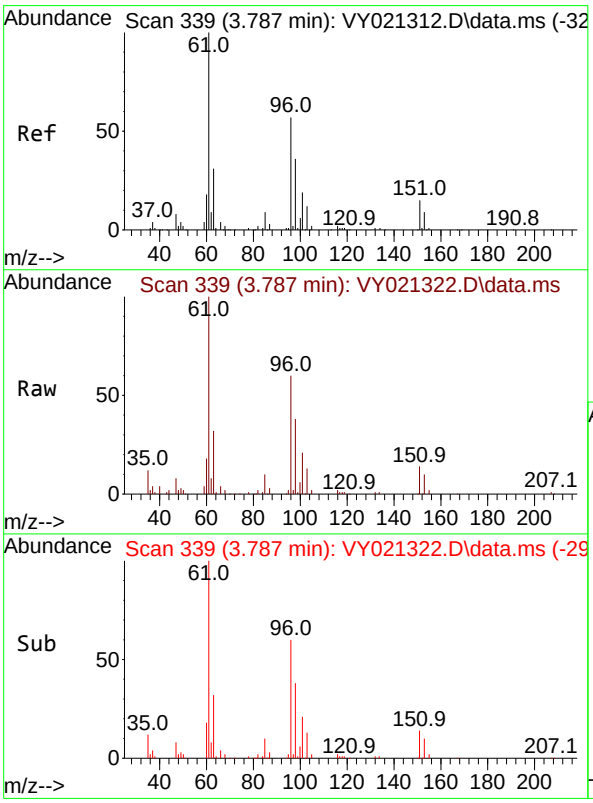
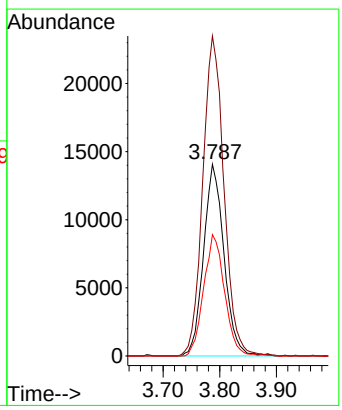
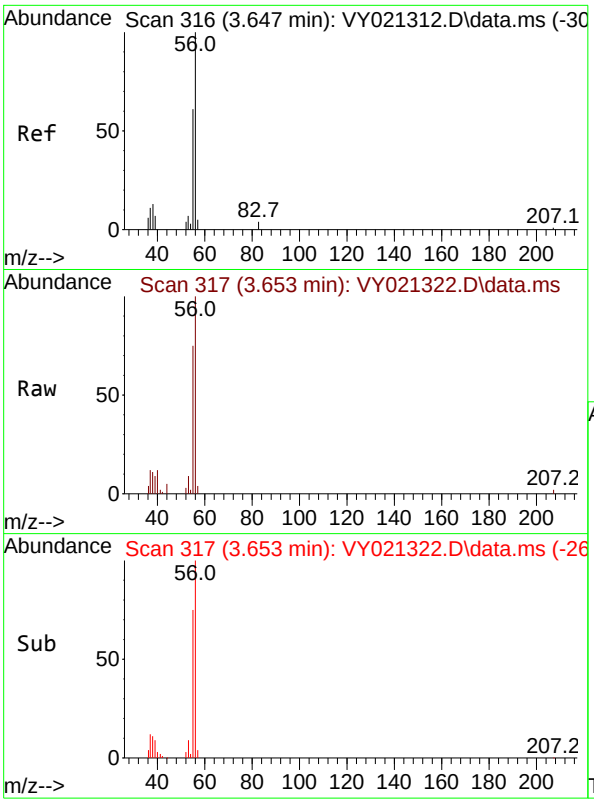


#12
1,1-Dichloroethene
Concen: 19.026 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 35305

Ion	Ratio	Lower	Upper
96	100		
61	167.0	139.7	209.5
98	63.3	49.7	74.5

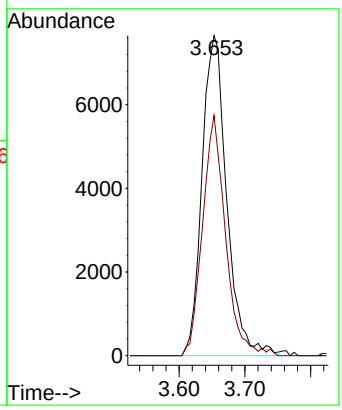




#13
Acrolein
Concen: 162.231 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 56 Resp: 2000

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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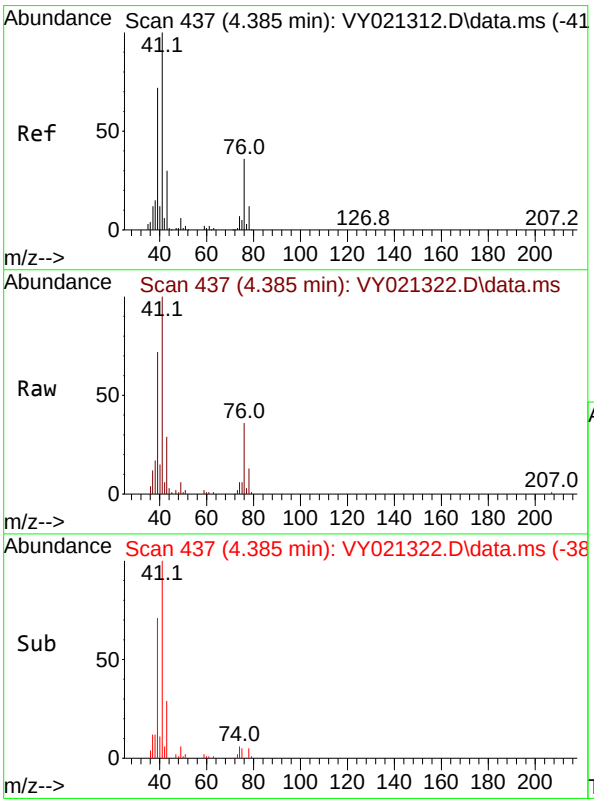
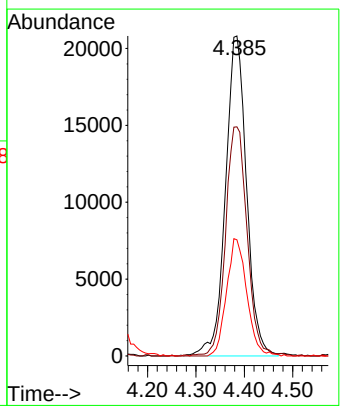
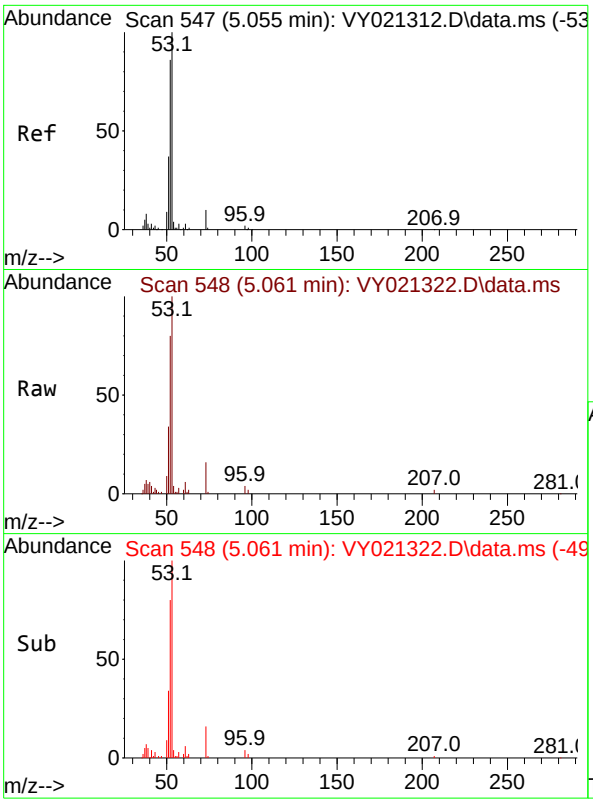


#14
Allyl chloride
Concen: 19.141 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 62973

Ion	Ratio	Lower	Upper
41	100		
39	73.4	60.0	90.0
76	35.3	29.0	43.6

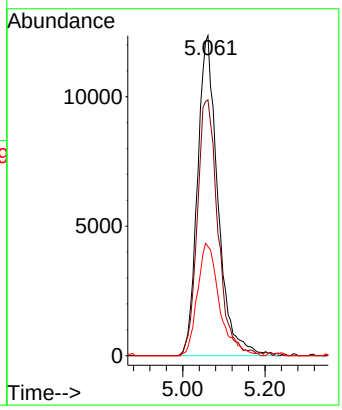




#15
Acrylonitrile
Concen: 95.903 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 53 Resp: 4259

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.5	98.3
51	38.0	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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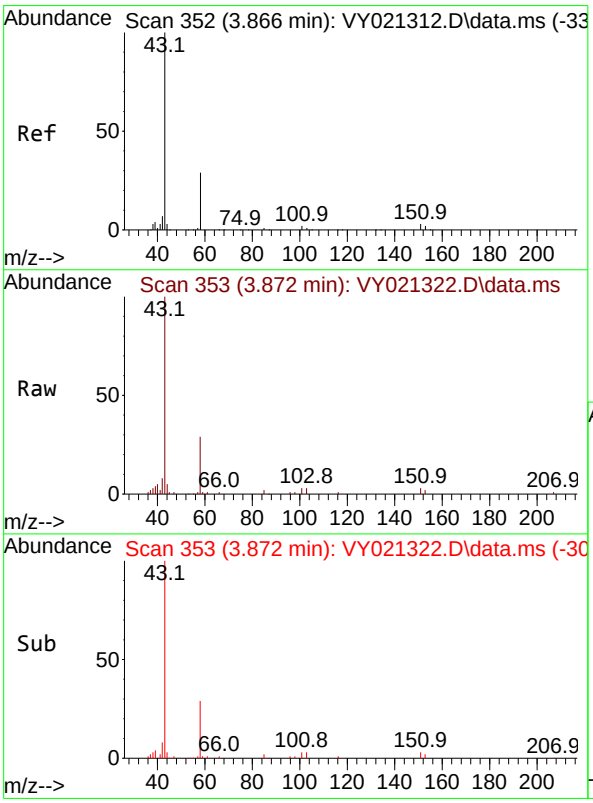
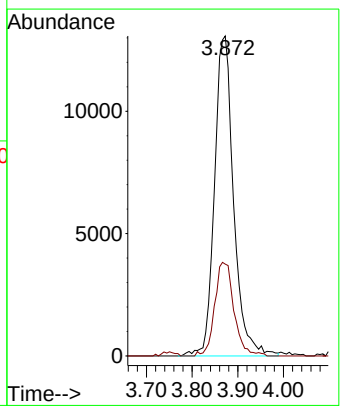
Supervised By :Mahesh Dadoda 02/27/2025

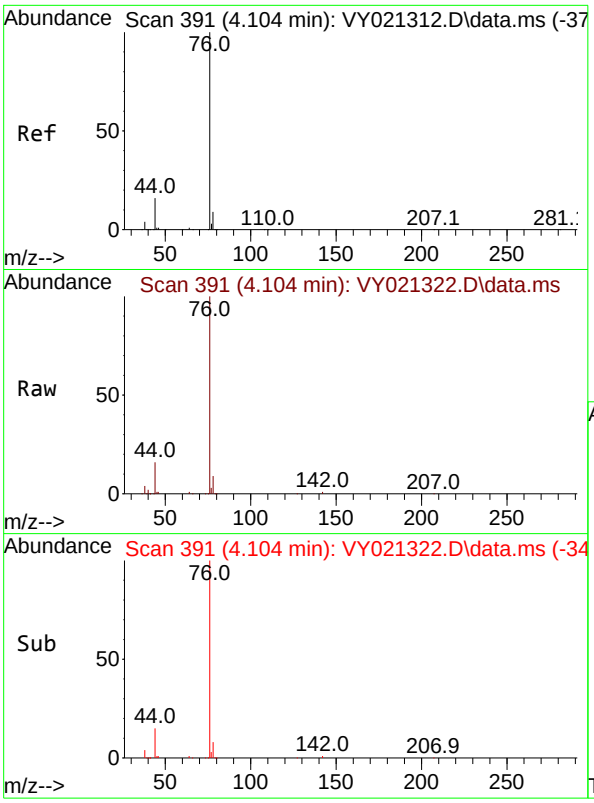


#16
Acetone
Concen: 94.873 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38073

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3





#17
Carbon Disulfide
Concen: 18.619 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 76 Resp: 11472

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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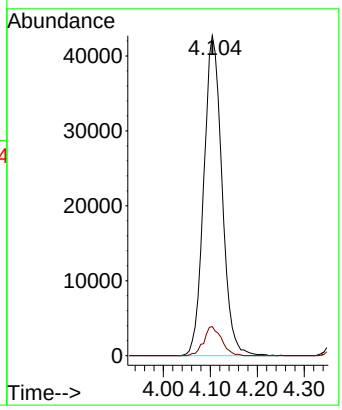
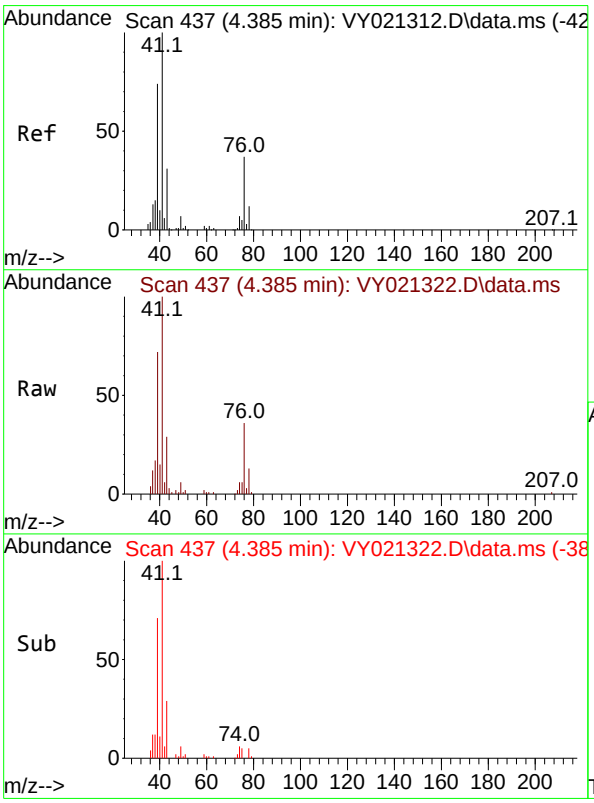
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

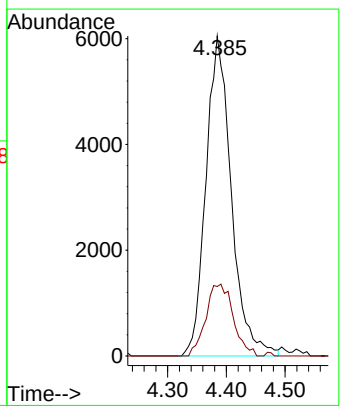


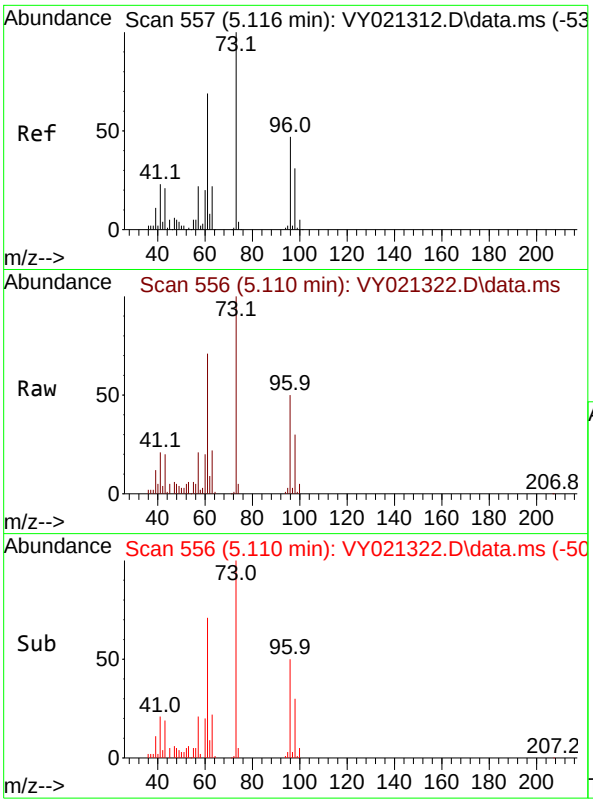


#18
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 18152

Ion	Ratio	Lower	Upper
43	100		
74	24.2	17.7	26.5

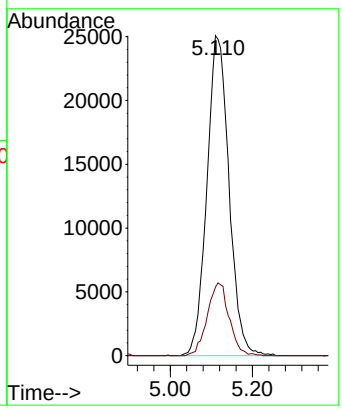




#19
Methyl tert-butyl Ether
Concen: 19.105 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 73 Resp: 9366

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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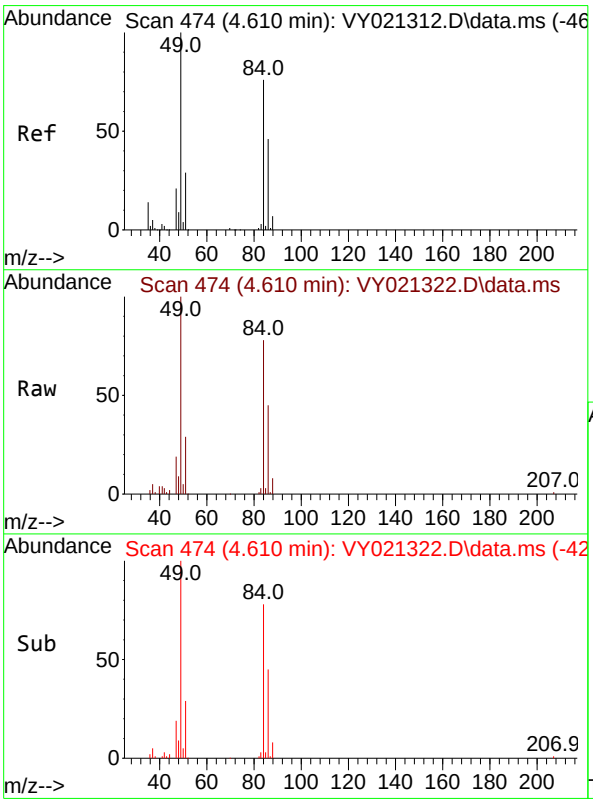
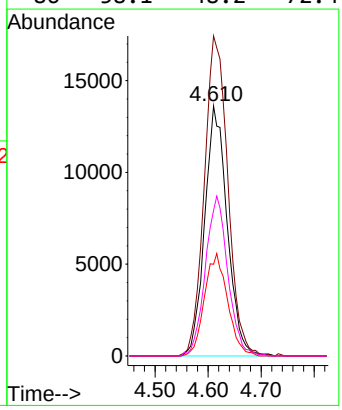
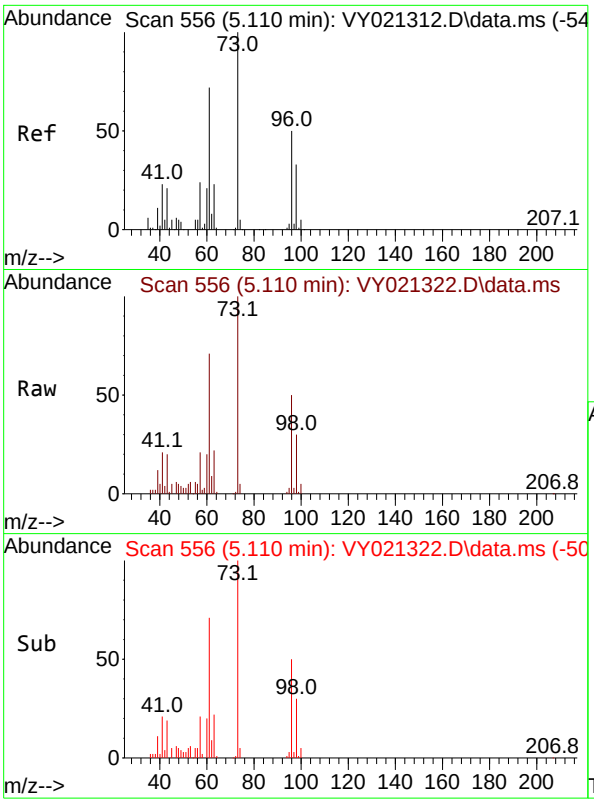


#20
Methylene Chloride
Concen: 18.488 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 84 Resp: 40120

Ion	Ratio	Lower	Upper
84	100		
49	128.0	105.1	157.7
51	36.7	31.0	46.4
86	58.1	48.2	72.4

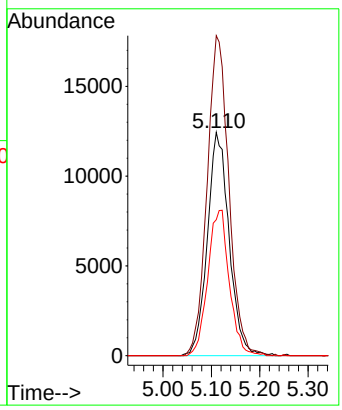




#21
trans-1,2-Dichloroethene
Concen: 19.029 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 3887

Ion	Ratio	Lower	Upper
96	100		
61	143.3	116.3	174.5
98	60.9	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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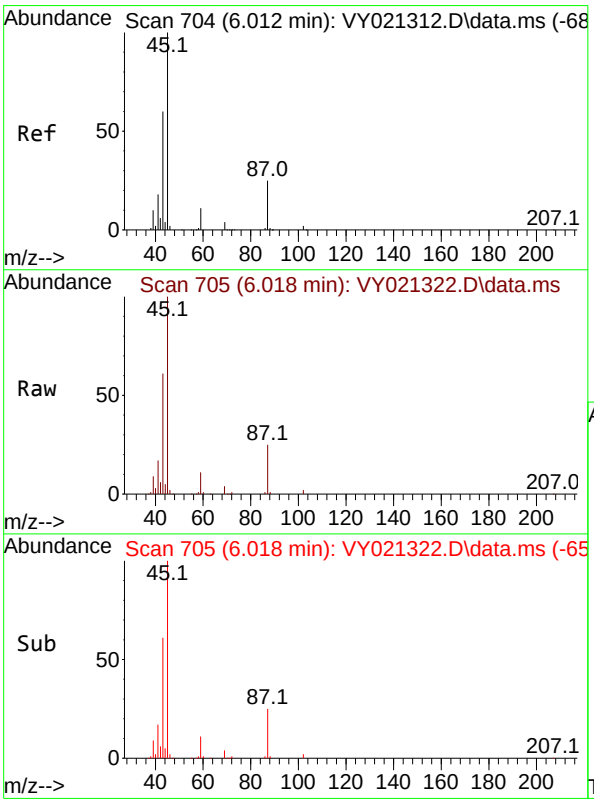
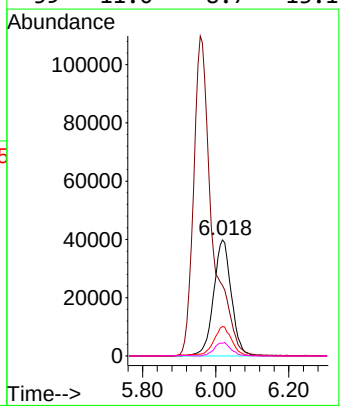
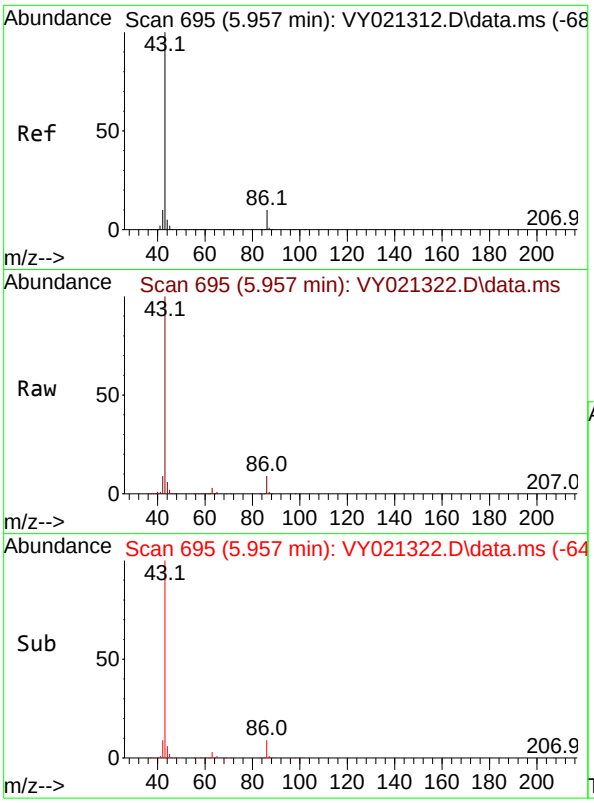


#22
Diisopropyl ether
Concen: 19.764 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 45 Resp: 134550

Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.2	72.4
87	25.4	20.3	30.5
59	11.0	8.7	13.1

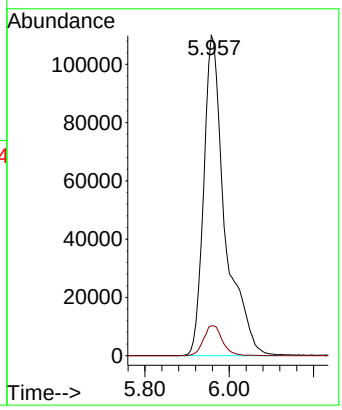




#23
Vinyl Acetate
Concen: 94.917 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38614

Ion	Ratio	Lower	Upper
43	100		
86	9.3	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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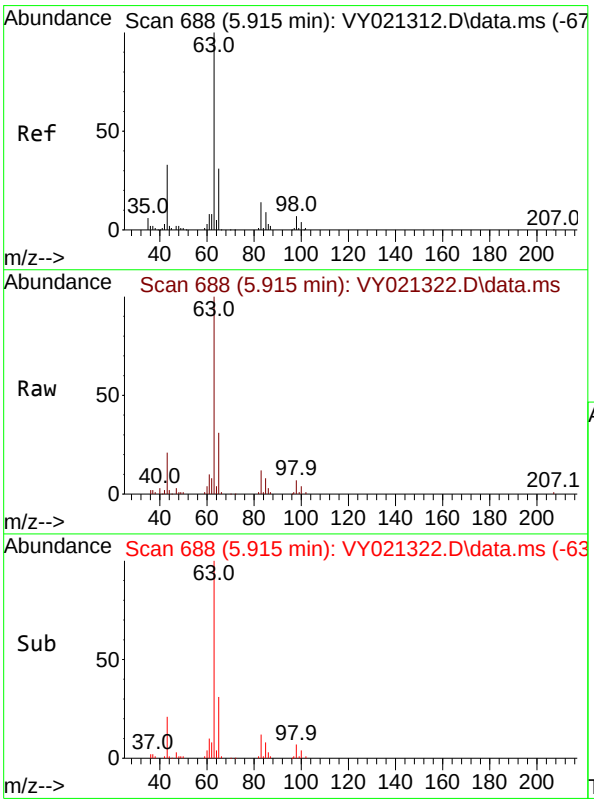
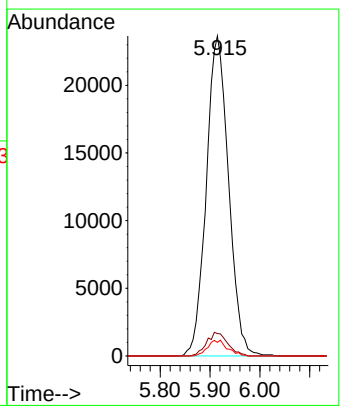
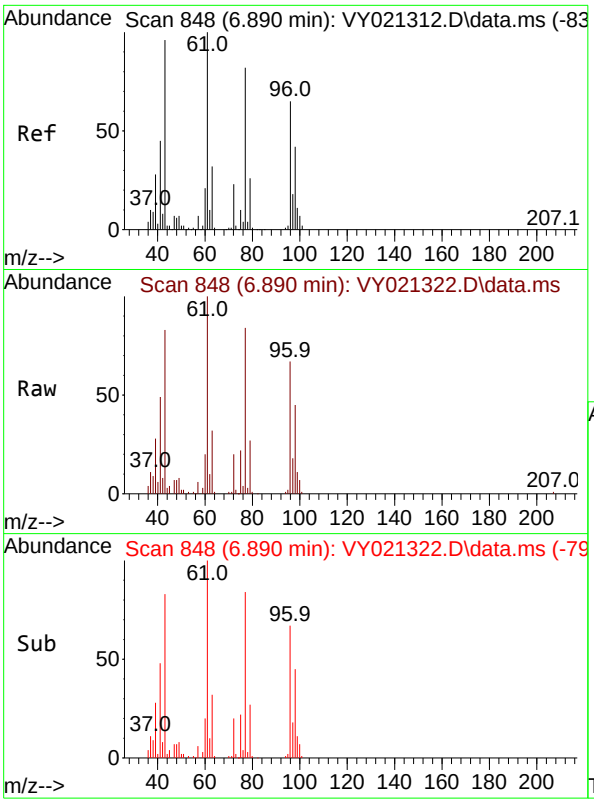


#24
1,1-Dichloroethane
Concen: 19.125 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 73384

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 92.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 5627

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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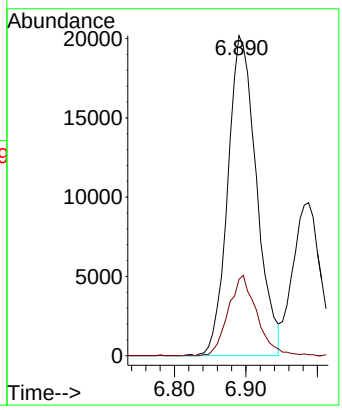
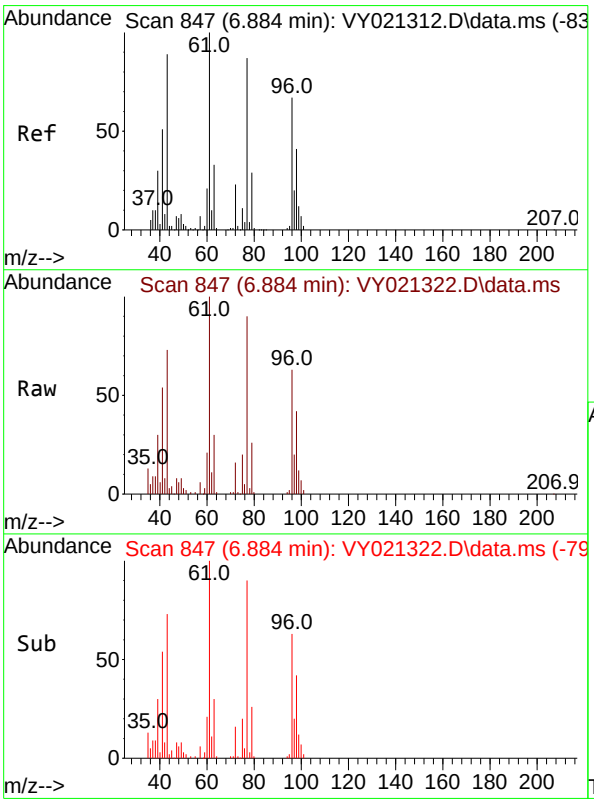
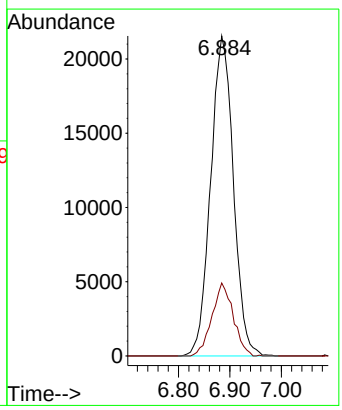


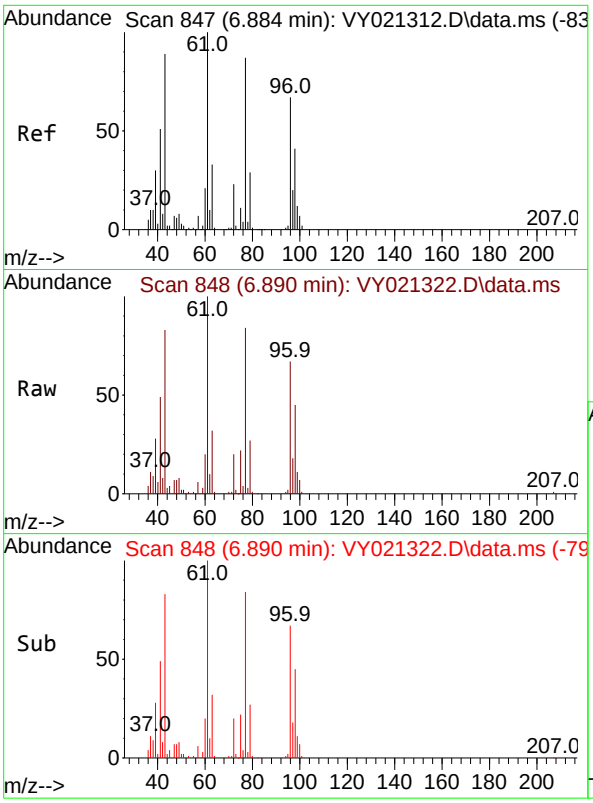


#26
2,2-Dichloropropane
Concen: 19.026 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 77 Resp: 66242

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7

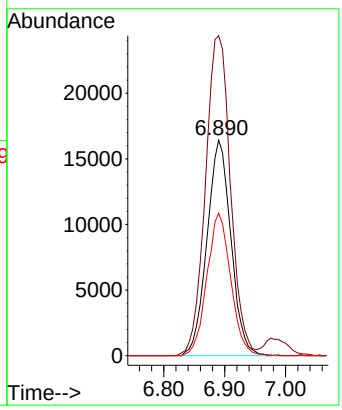




#27
cis-1,2-Dichloroethene
Concen: 19.204 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 4479

Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	308.0
98	65.6	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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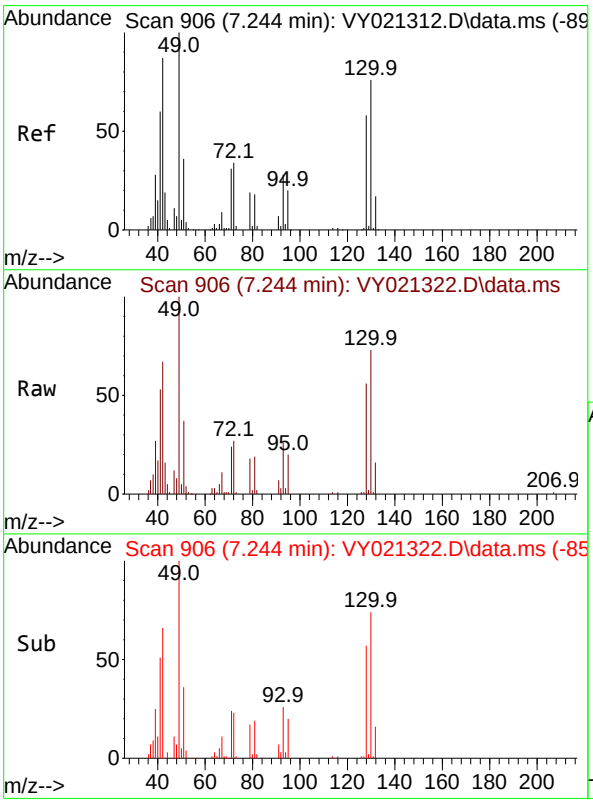
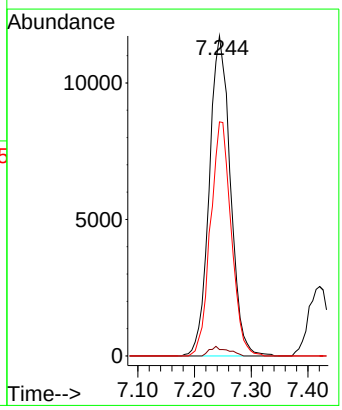
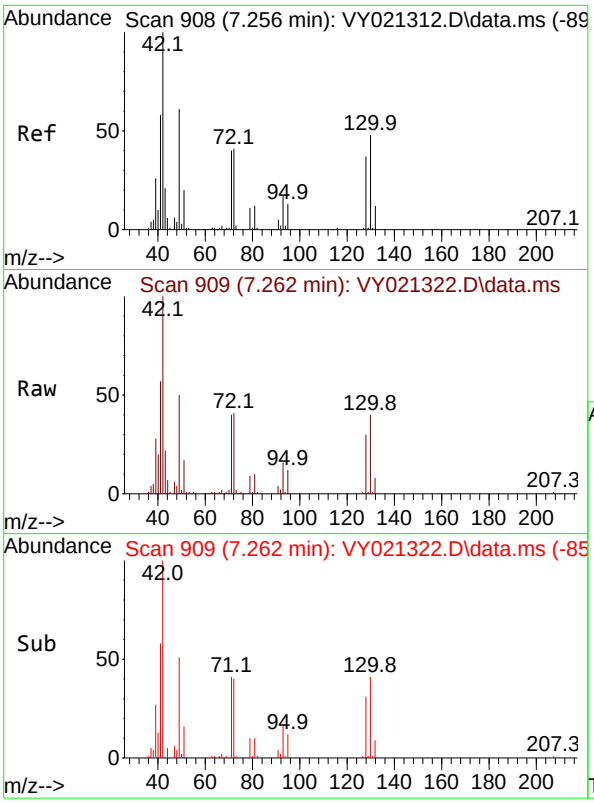


#28
Bromochloromethane
Concen: 17.864 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 49 Resp: 30330

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	71.7	57.8	86.6

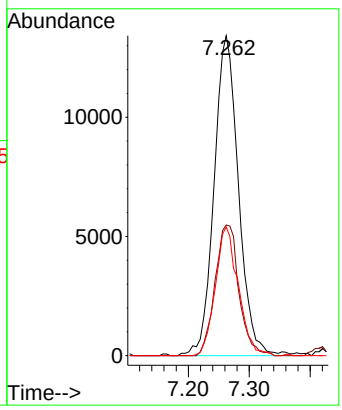




#29
Tetrahydrofuran
Concen: 94.152 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 42 Resp: 3727

Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.1	49.7
71	38.0	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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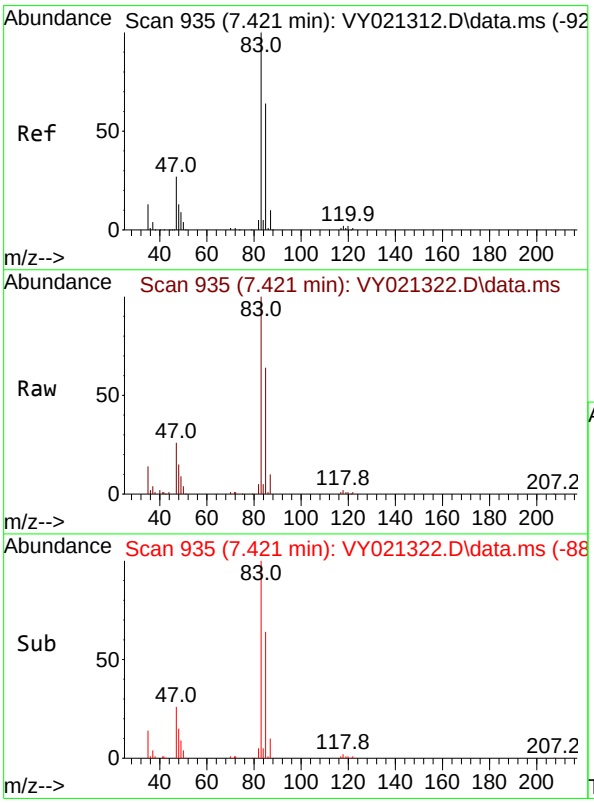
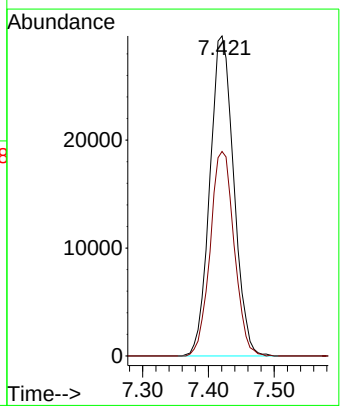
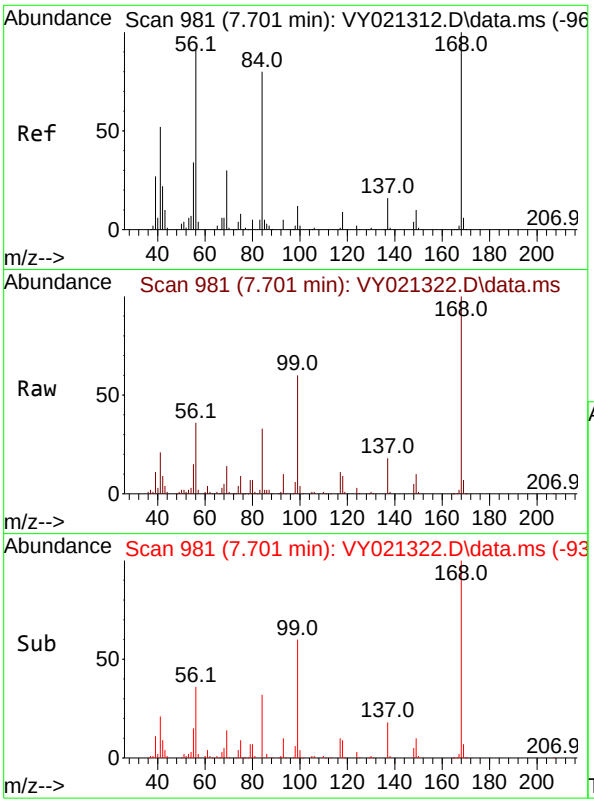


#30
Chloroform
Concen: 19.294 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 75017

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4

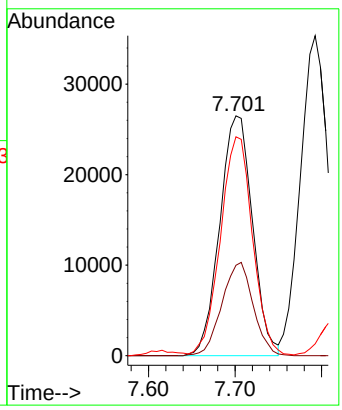




#31
Cyclohexane
Concen: 18.881 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 56 Resp: 6964

Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.2	39.4
84	90.1	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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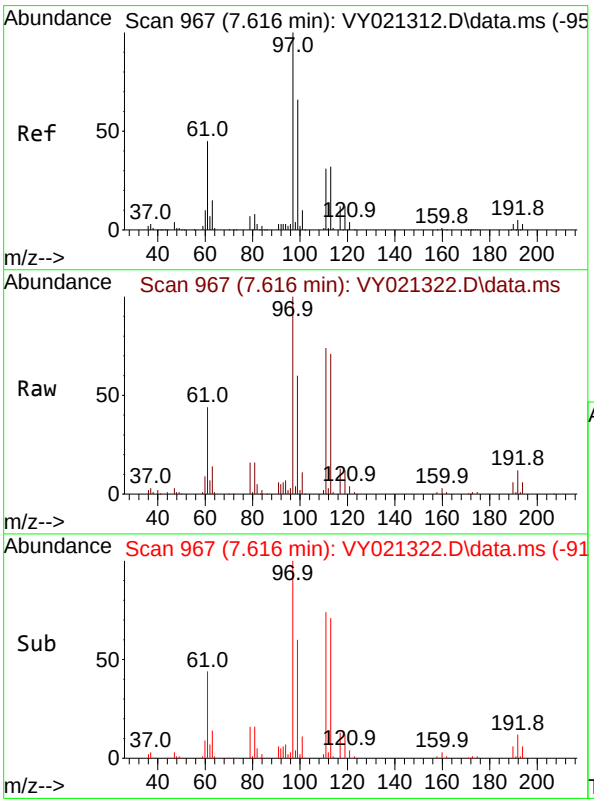
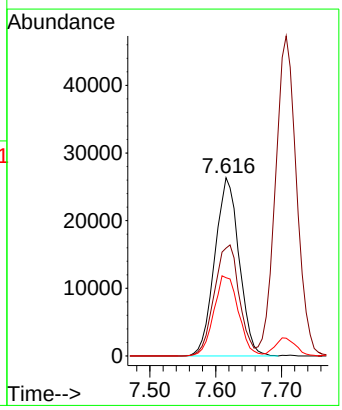
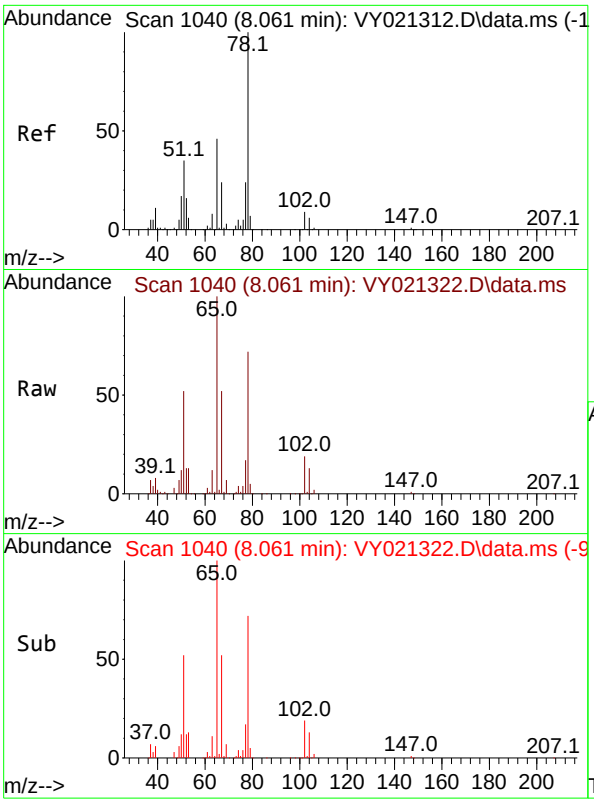


#32
1,1,1-Trichloroethane
Concen: 19.180 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 67879

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.4	78.6
61	45.6	36.2	54.2

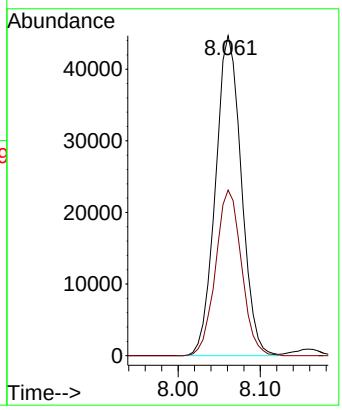




#33
1,2-Dichloroethane-d4
Concen: 46.693 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 65 Resp: 9768

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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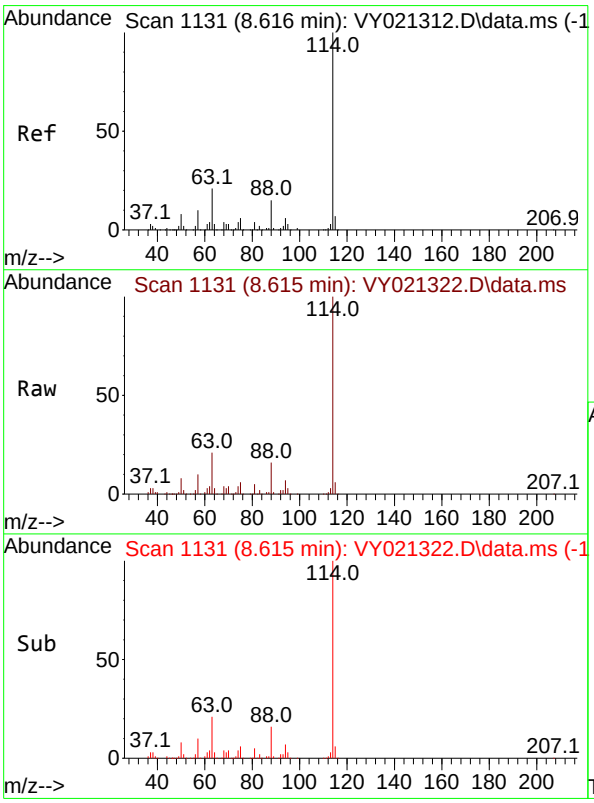
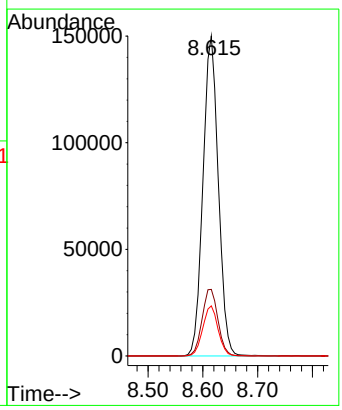
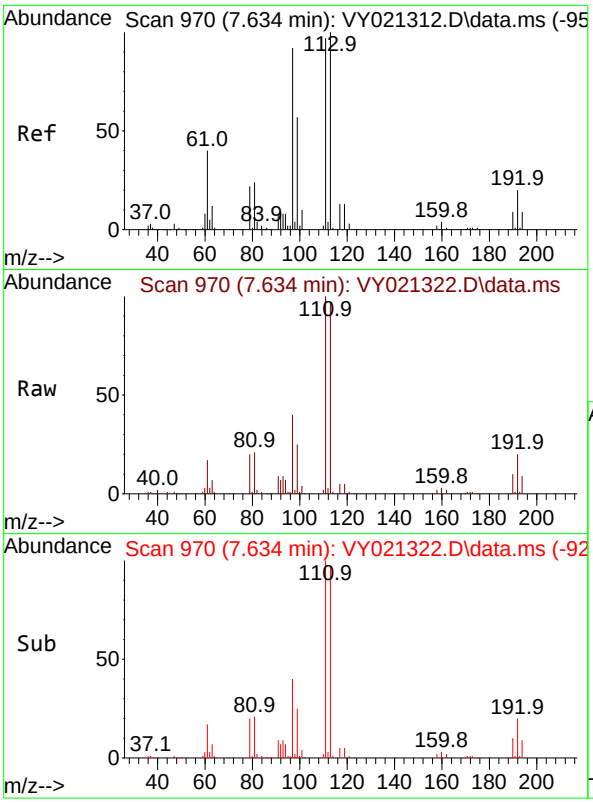


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:114 Resp: 291138

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.2
88	15.6	0.0	29.8

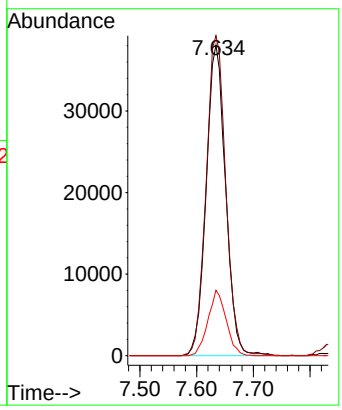




#35
Dibromofluoromethane
Concen: 47.410 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:113 Resp: 9049

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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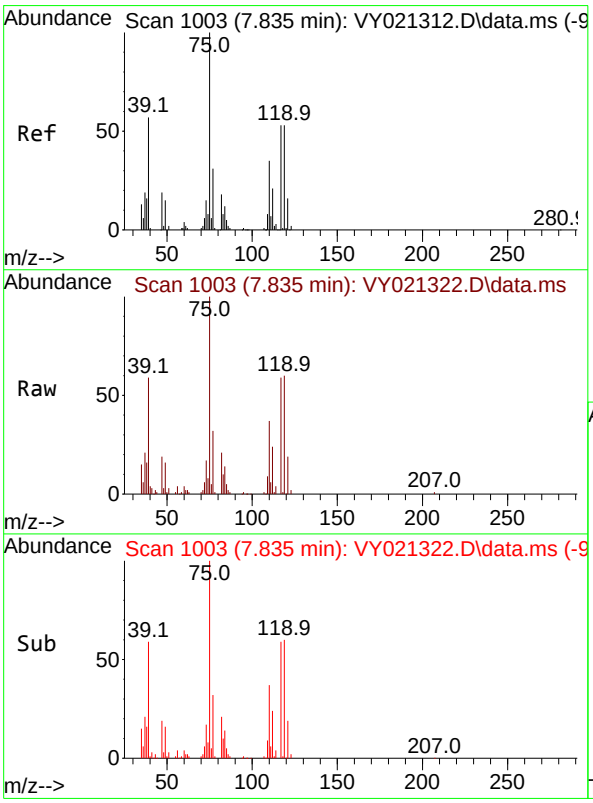
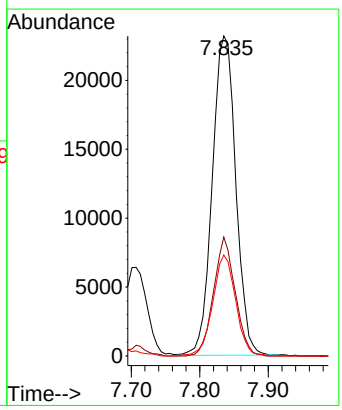
Supervised By :Mahesh Dadoda 02/27/2025

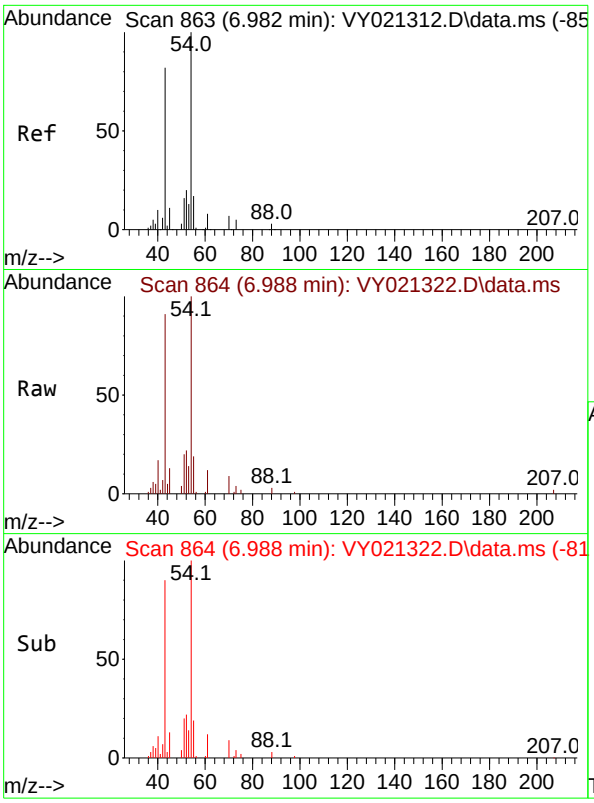


#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 55184

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.8	24.6	36.8

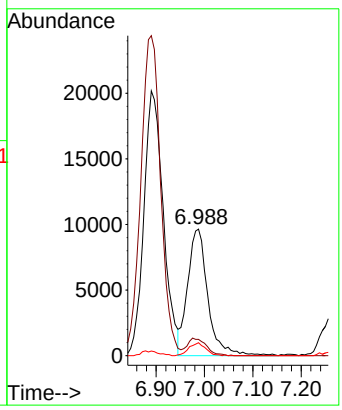




#37
Ethyl Acetate
Concen: 19.657 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 2803

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	8.5	7.5	11.3



Instrument :
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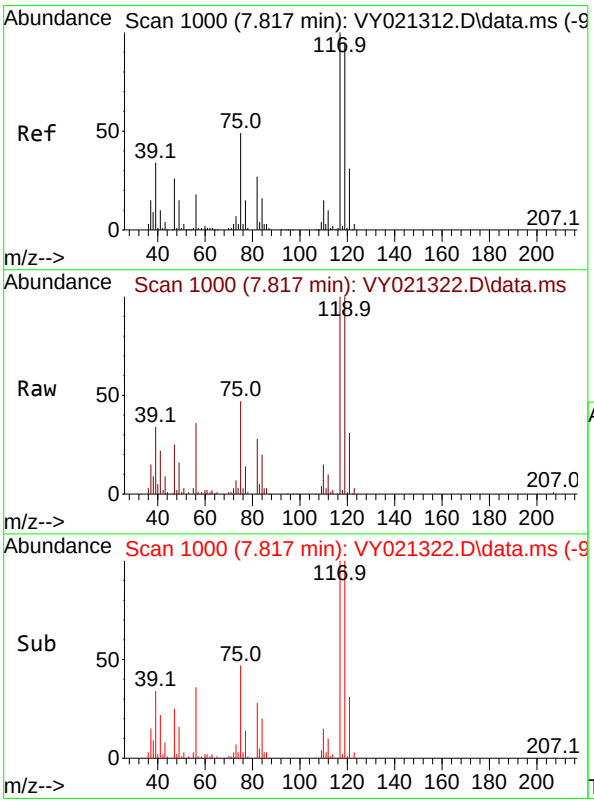
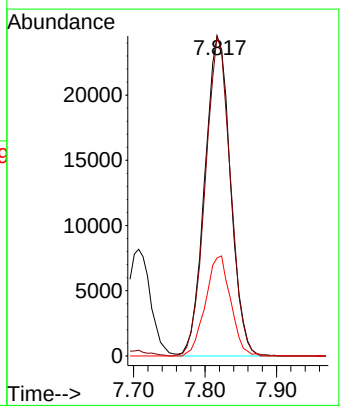
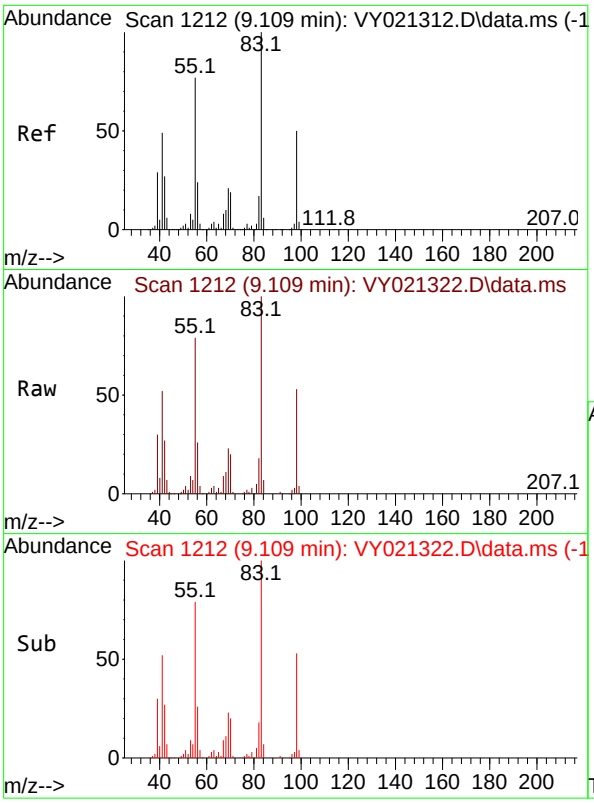


#38
Carbon Tetrachloride
Concen: 18.991 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 61214

Ion	Ratio	Lower	Upper
117	100		
119	100.1	76.0	114.0
121	30.7	24.9	37.3





#39
Methylcyclohexane
Concen: 18.897 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 6852

Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.3	91.9
98	52.7	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
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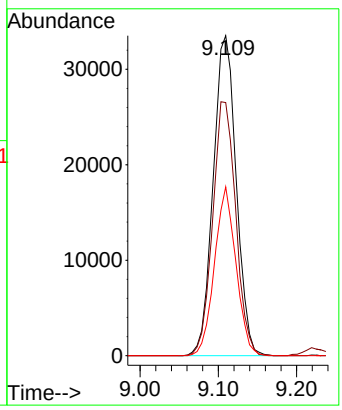
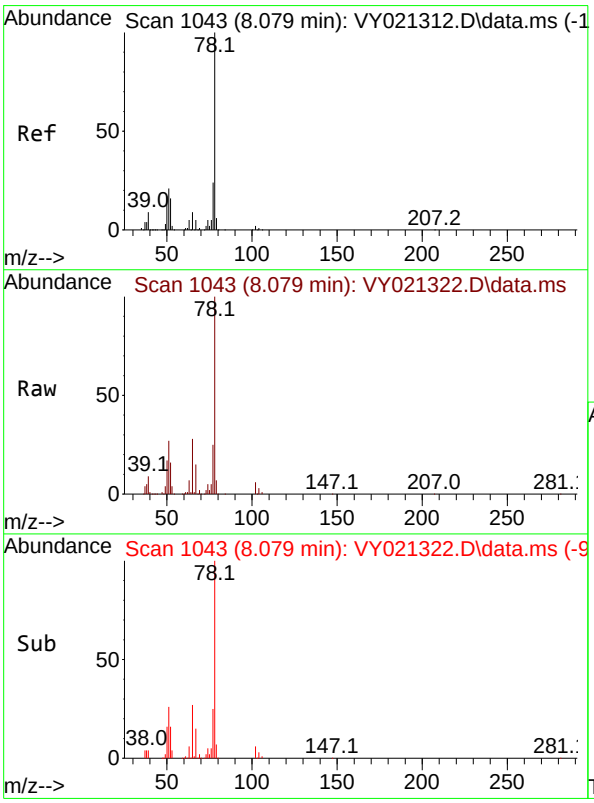
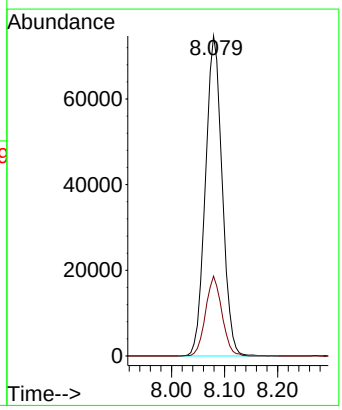


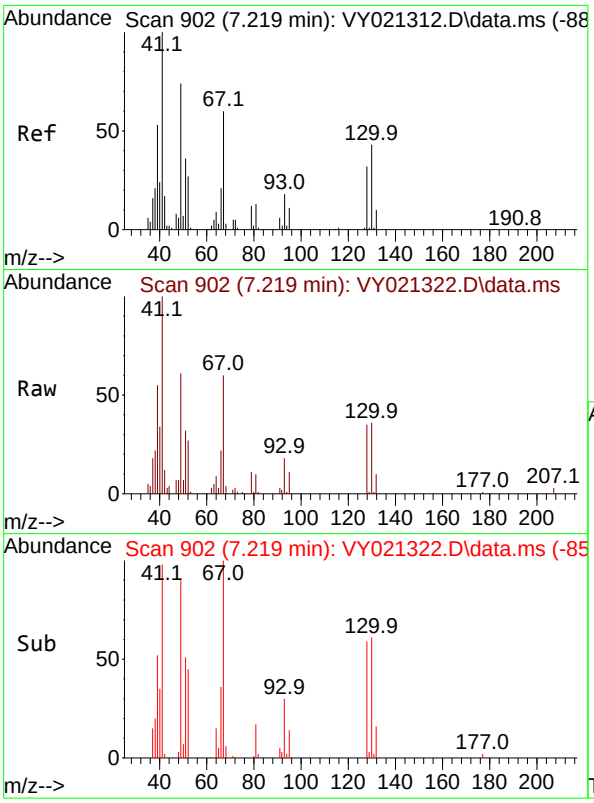


#40
Benzene
Concen: 19.308 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 78 Resp: 163641

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8

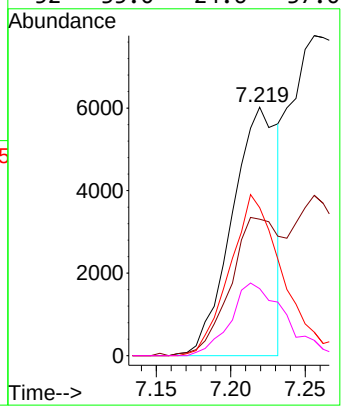




#41
Methacrylonitrile
Concen: 16.203 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 1292

Ion	Ratio	Lower	Upper
41	100		
39	64.9	42.3	63.5
67	74.9	54.8	82.2
52	35.0	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
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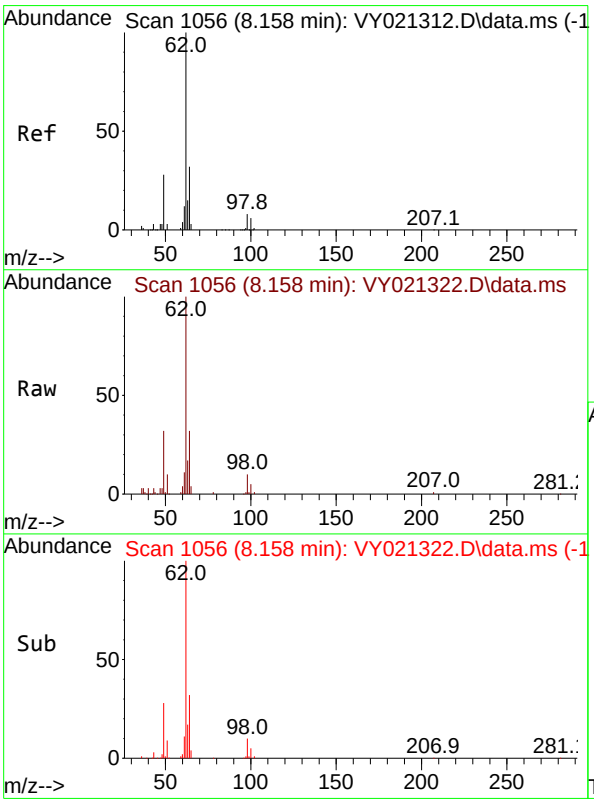
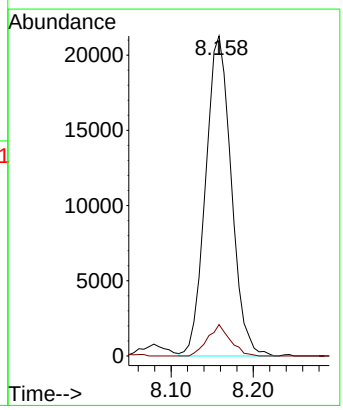
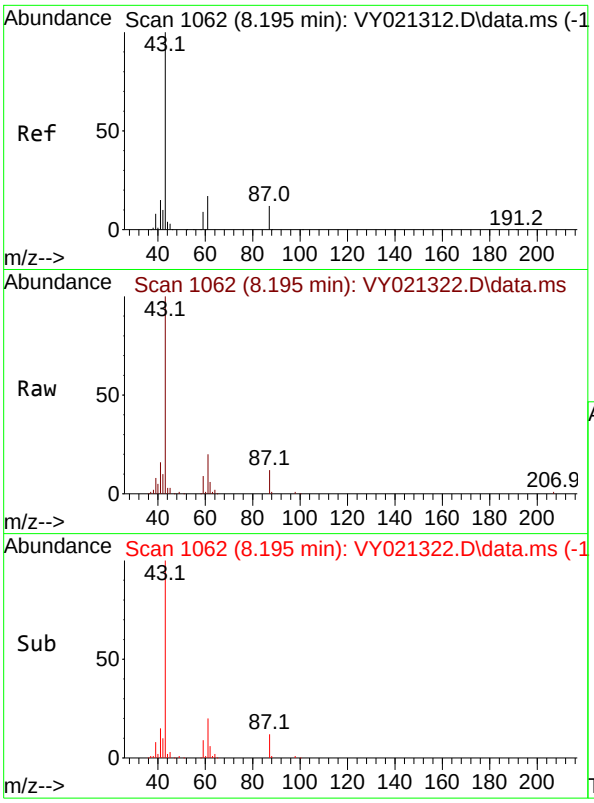


#42
1,2-Dichloroethane
Concen: 19.193 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6

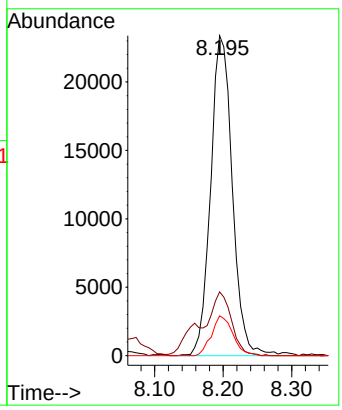




#43
Isopropyl Acetate
Concen: 18.626 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 5141

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.6
87	12.2	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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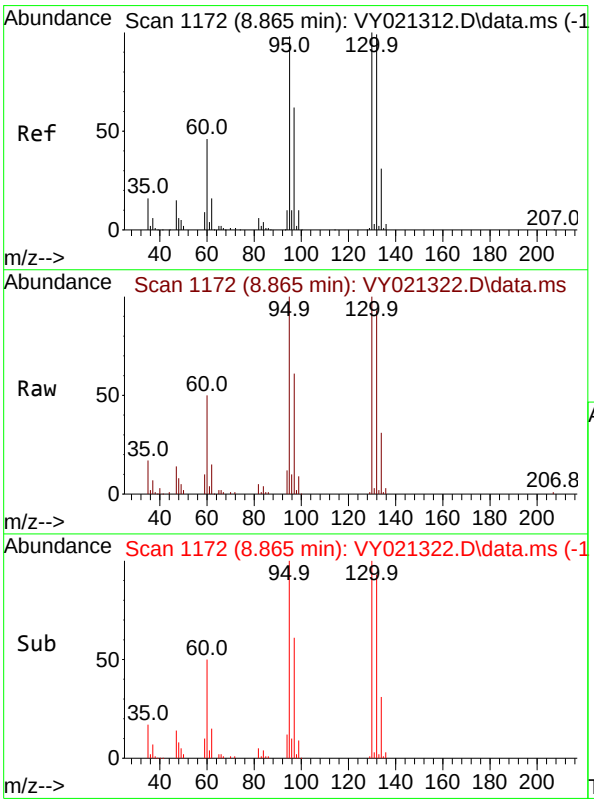
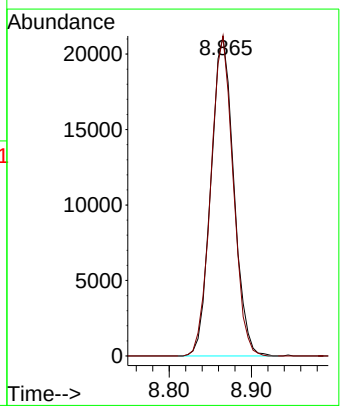
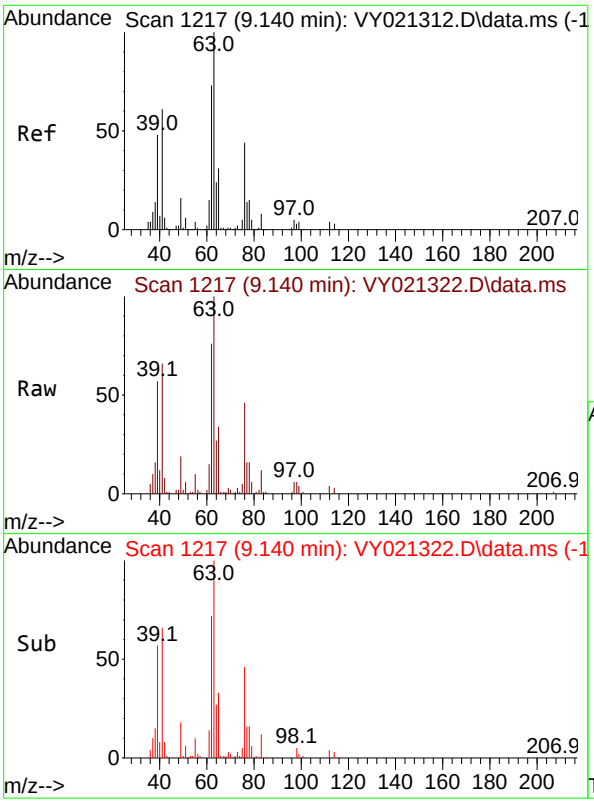


#44
Trichloroethene
Concen: 19.214 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:130 Resp: 40770

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	196.0

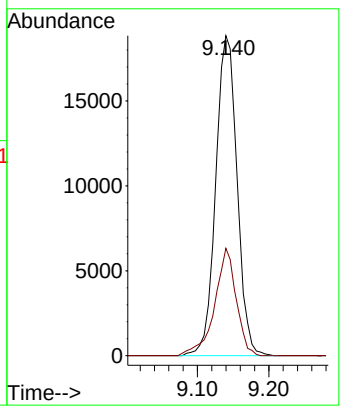




#45
1,2-Dichloropropane
Concen: 19.139 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 3903

Ion	Ratio	Lower	Upper
63	100		
65	33.5	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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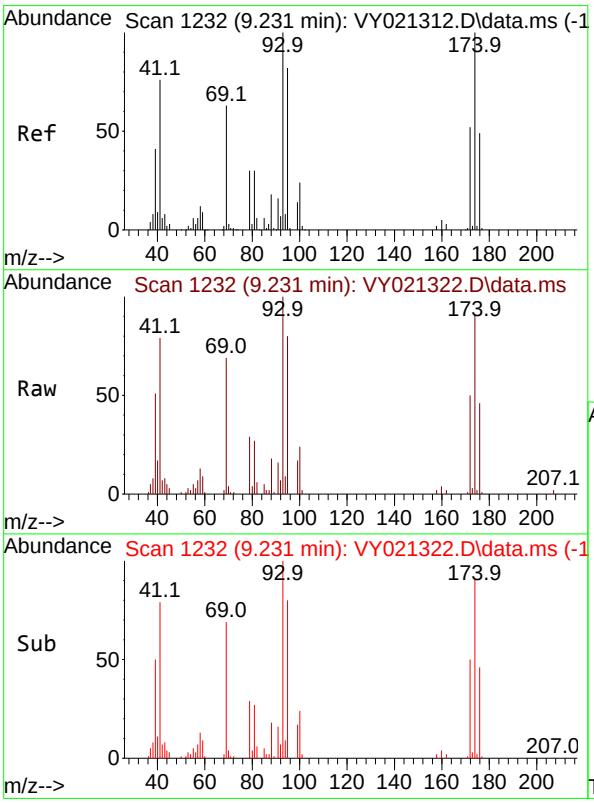
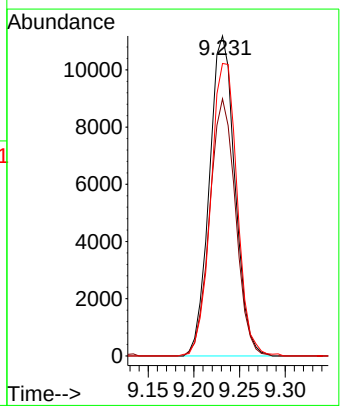
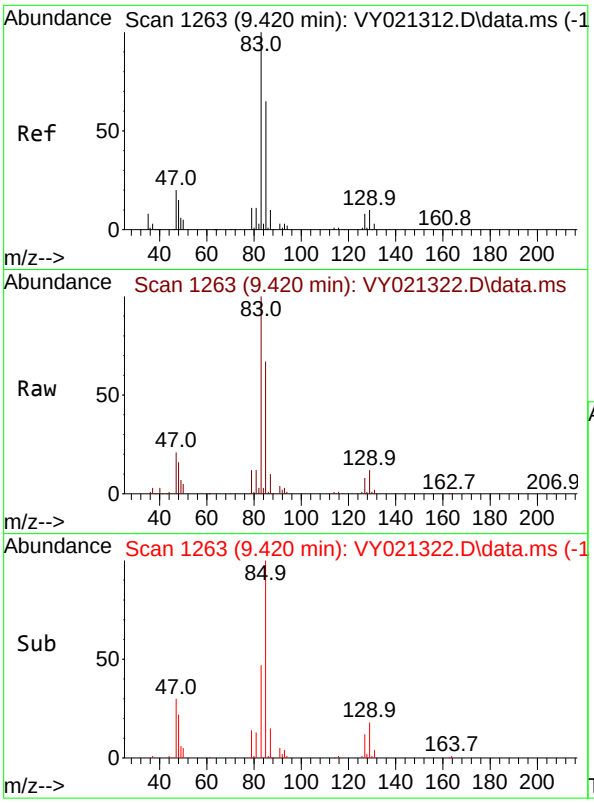


#46
Dibromomethane
Concen: 19.549 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 93 Resp: 21795

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	94.2	78.2	117.2

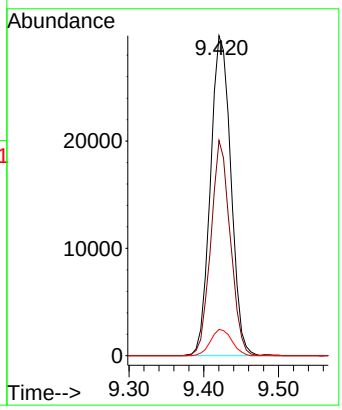




#47
Bromodichloromethane
Concen: 19.056 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 5665

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.8	77.8
127	8.2	6.7	10.1



Instrument :
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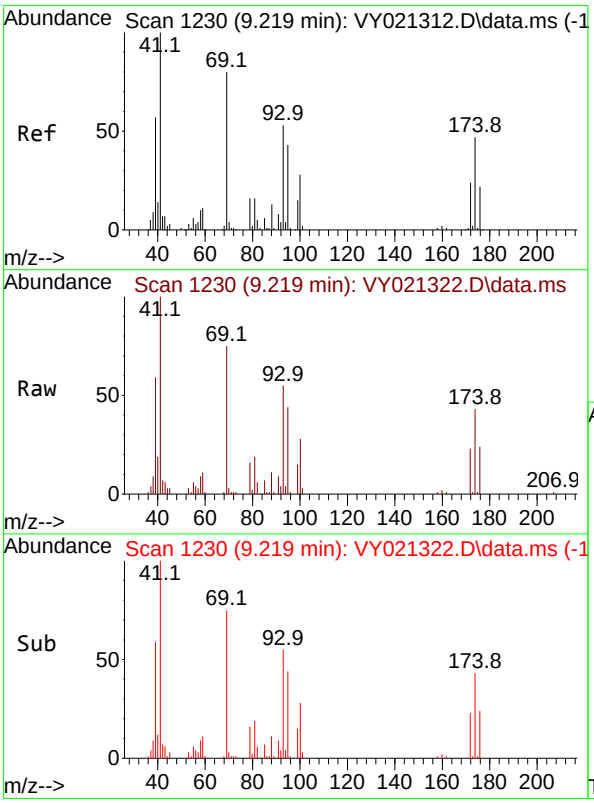
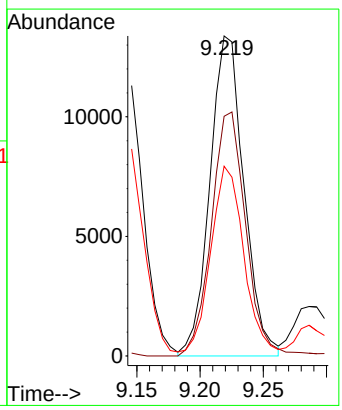
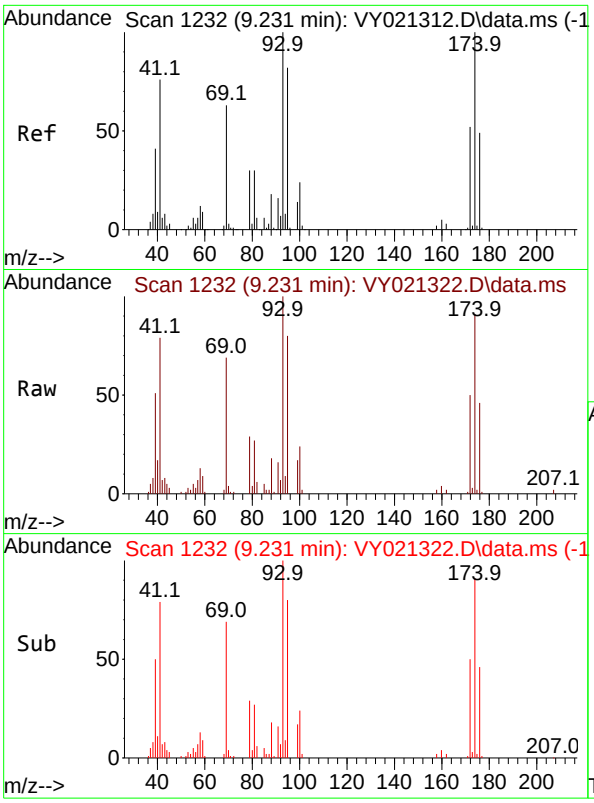


#48
Methyl methacrylate
Concen: 19.377 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 25014

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	55.5	45.0	67.6





#49
1,4-Dioxane
Concen: 369.128 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 88 Resp: 457

Ion	Ratio	Lower	Upper
88	100		
43	40.2	34.8	52.2
58	76.9	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
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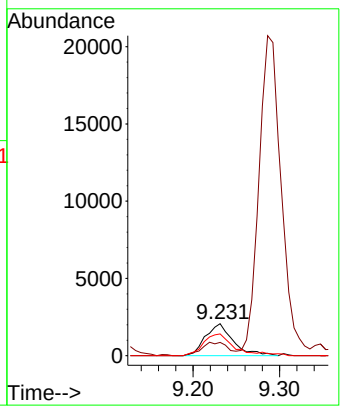
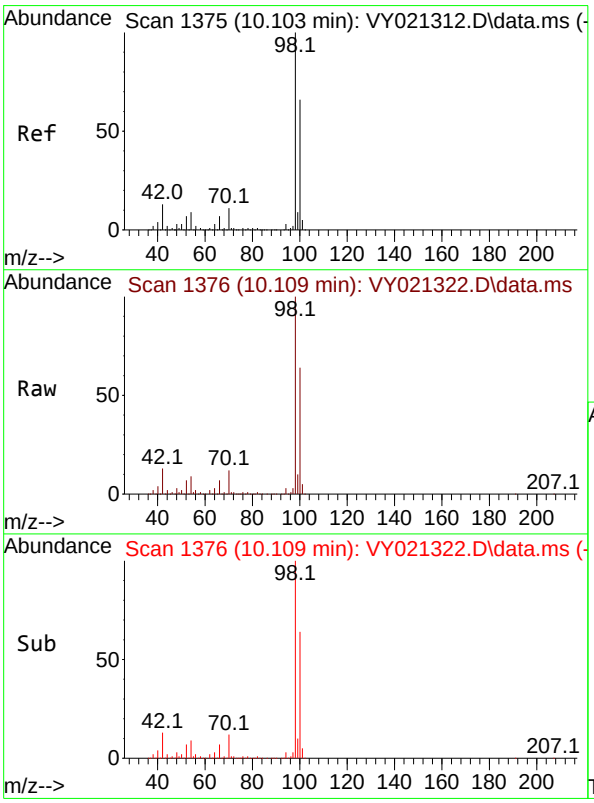
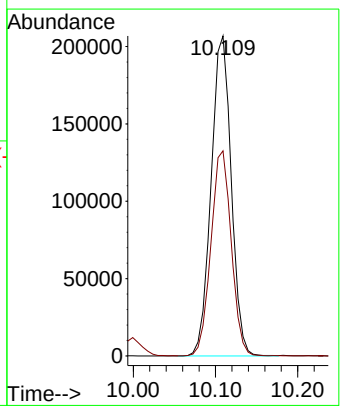


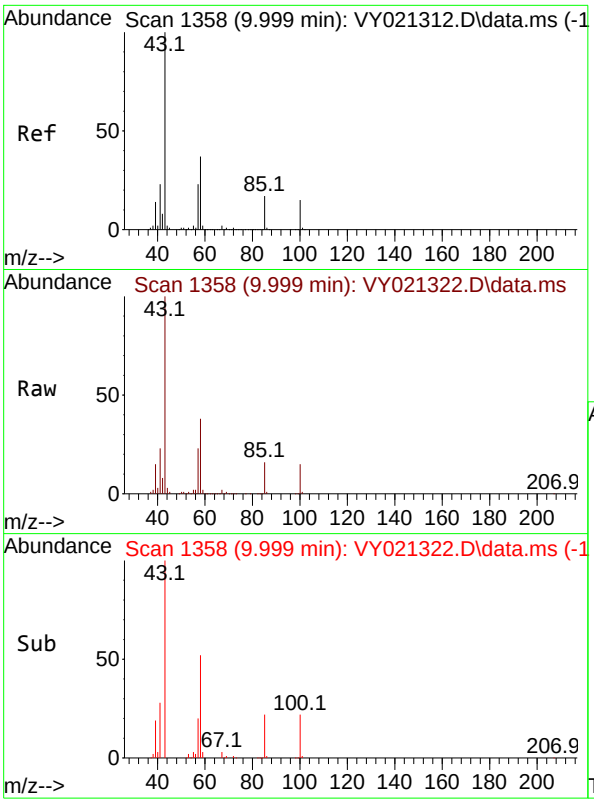


#50
Toluene-d8
Concen: 47.609 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 98 Resp: 351200

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6

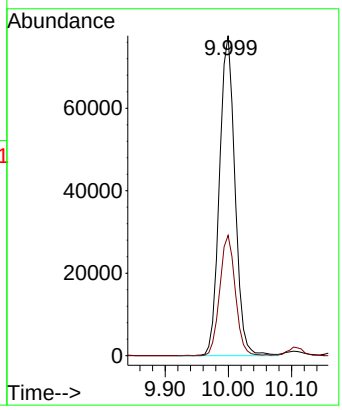




#51
4-Methyl-2-Pentanone
Concen: 93.298 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 13183

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
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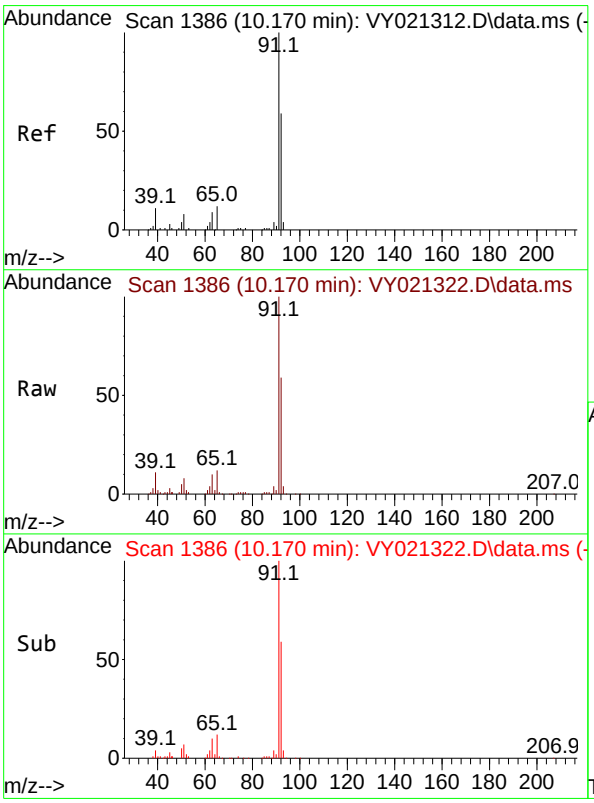
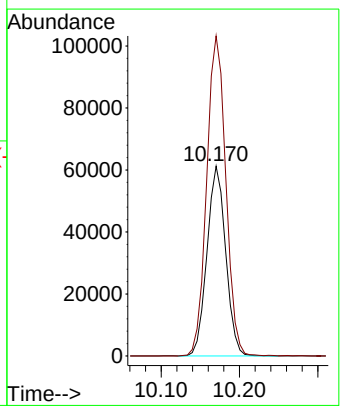
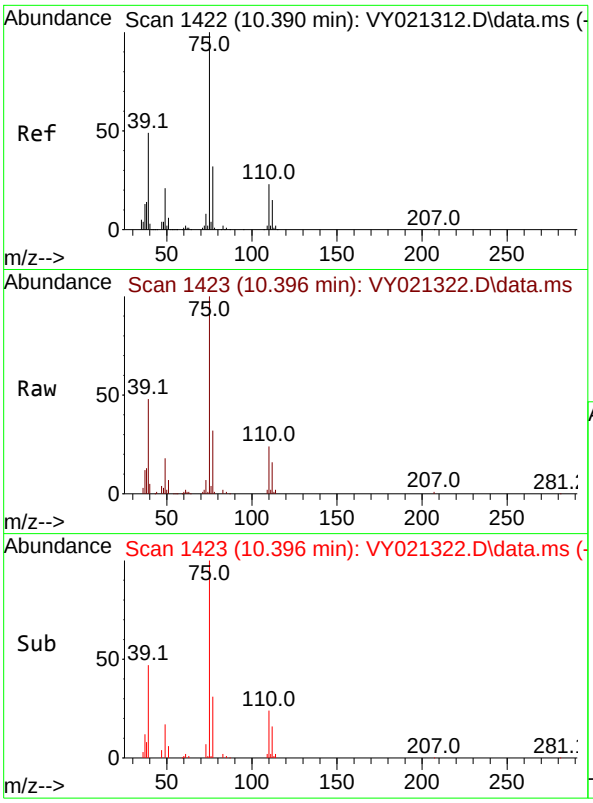


#52
Toluene
Concen: 19.255 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 92 Resp: 101381

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.8	206.8

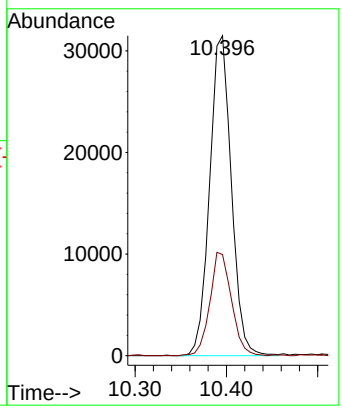




#53
t-1,3-Dichloropropene
Concen: 19.034 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5184

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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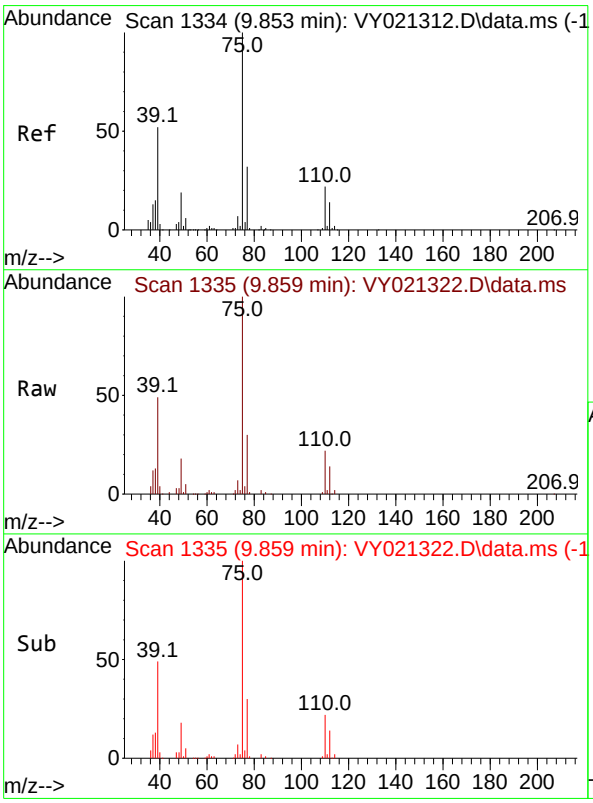
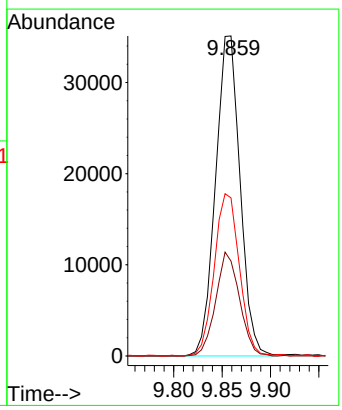
Supervised By :Mahesh Dadoda 02/27/2025

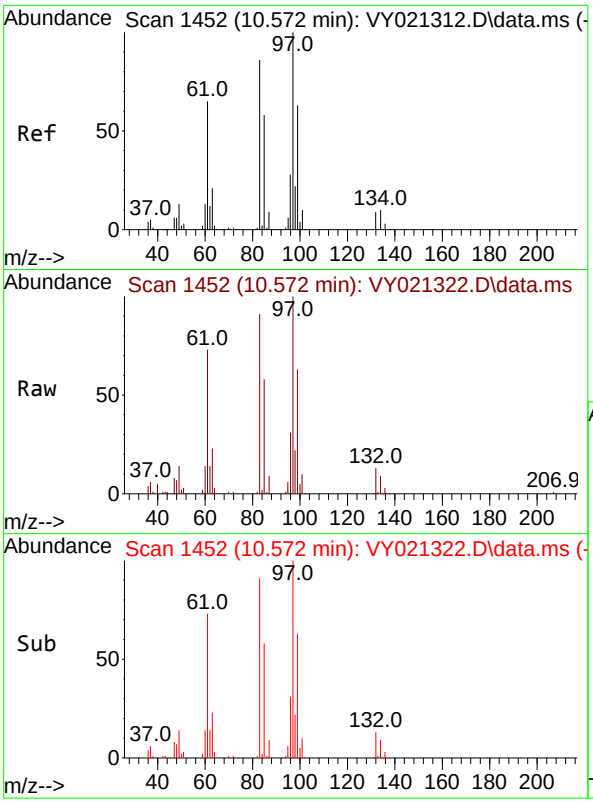


#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 61986

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.7	38.5
39	49.4	41.8	62.6

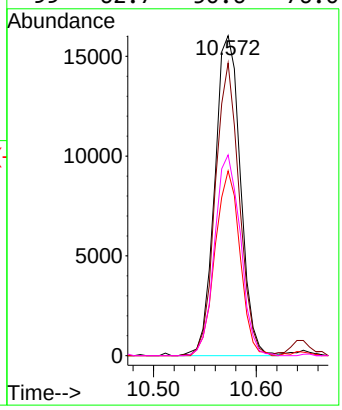




#55
1,1,2-Trichloroethane
Concen: 19.099 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 2774

Ion	Ratio	Lower	Upper
97	100		
83	91.5	68.7	103.1
85	57.8	46.3	69.5
99	62.7	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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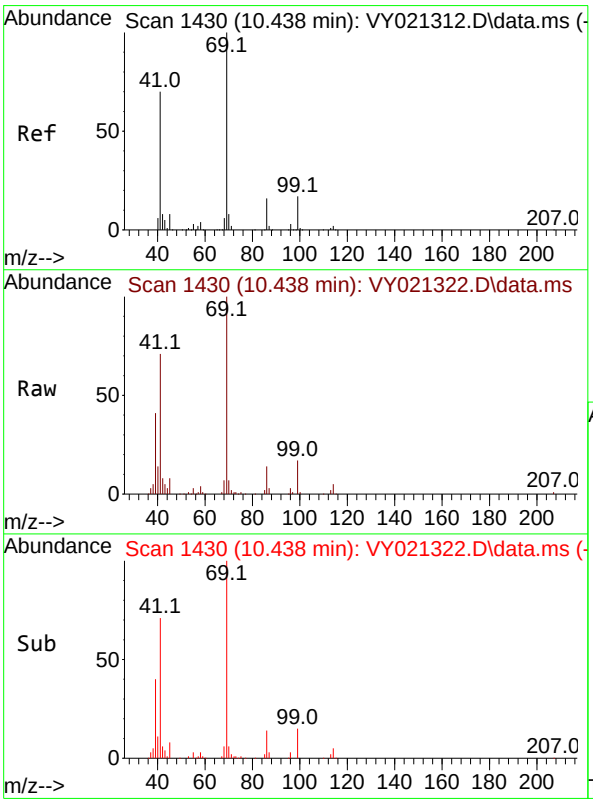
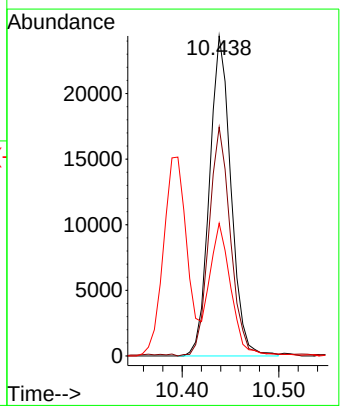
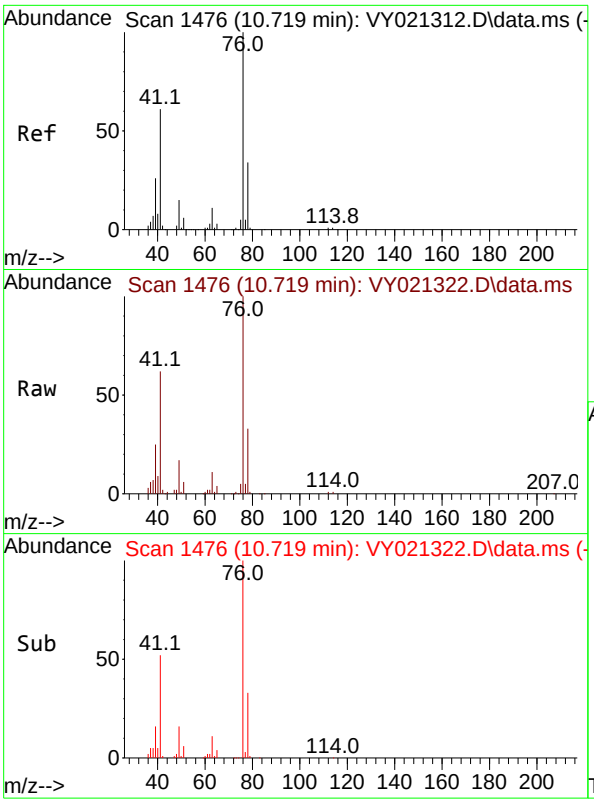


#56
Ethyl methacrylate
Concen: 18.751 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 69 Resp: 37632

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.2	84.4
39	40.8	32.7	49.1





#57
1,3-Dichloropropane
Concen: 19.380 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 76 Resp: 4939

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

Instrument :
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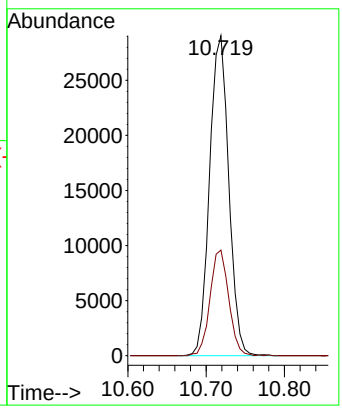
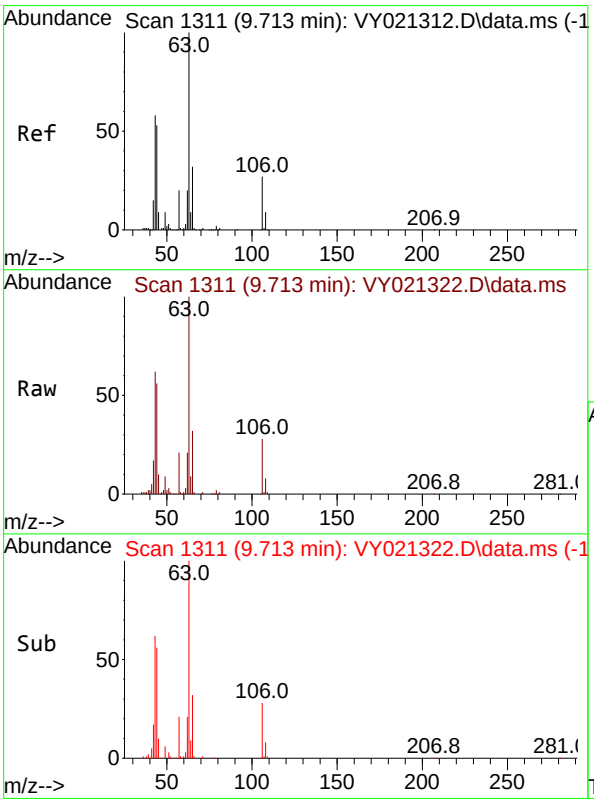
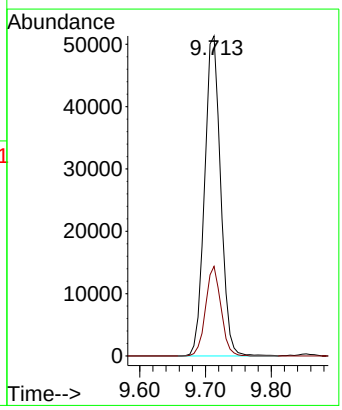


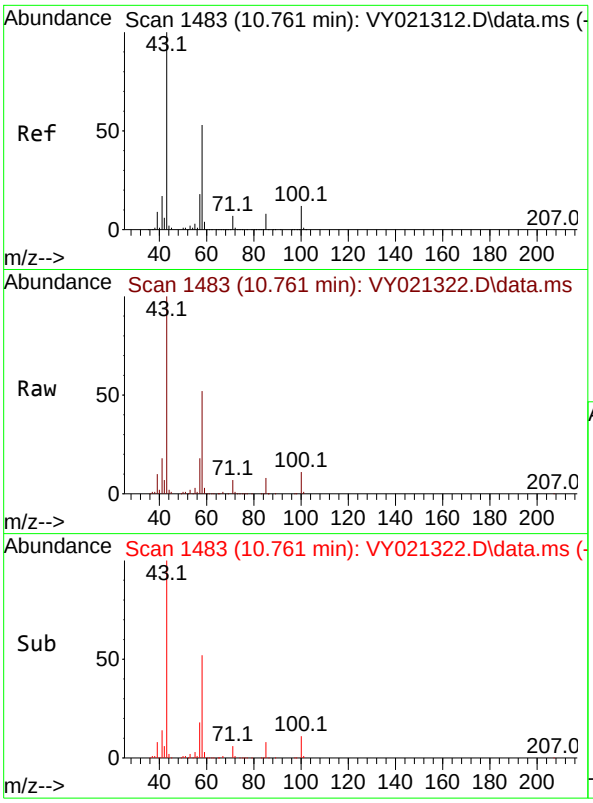


#58
2-Chloroethyl Vinyl ether
Concen: 90.414 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 87093

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5

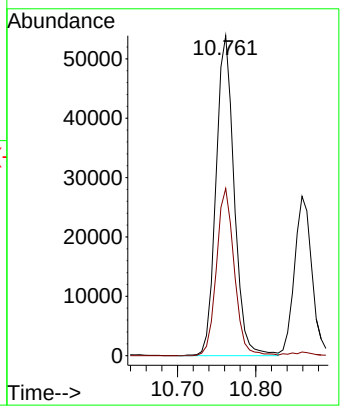




#59
2-Hexanone
Concen: 93.755 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 8700

Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6



Instrument :
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ClientSampleId :
VY0226SBS01

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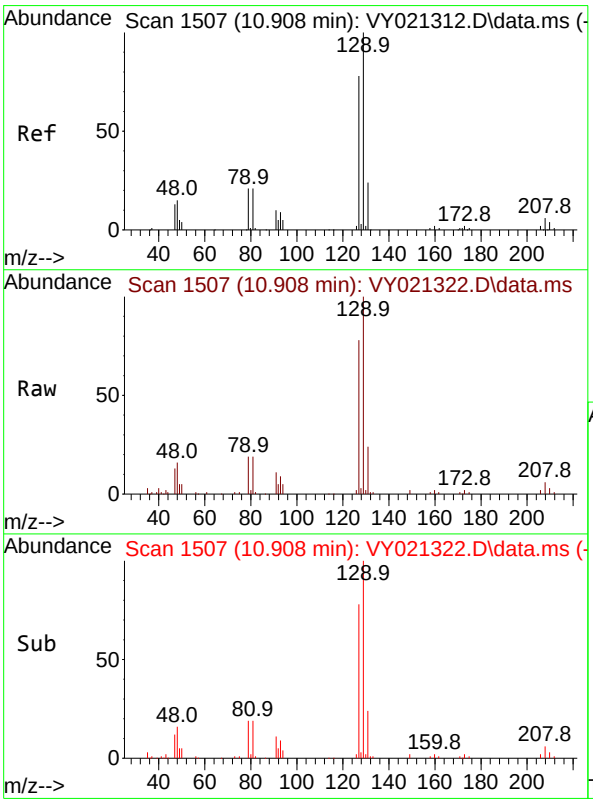
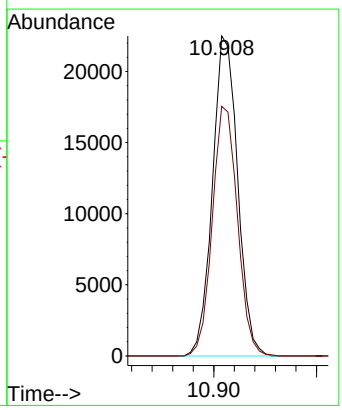
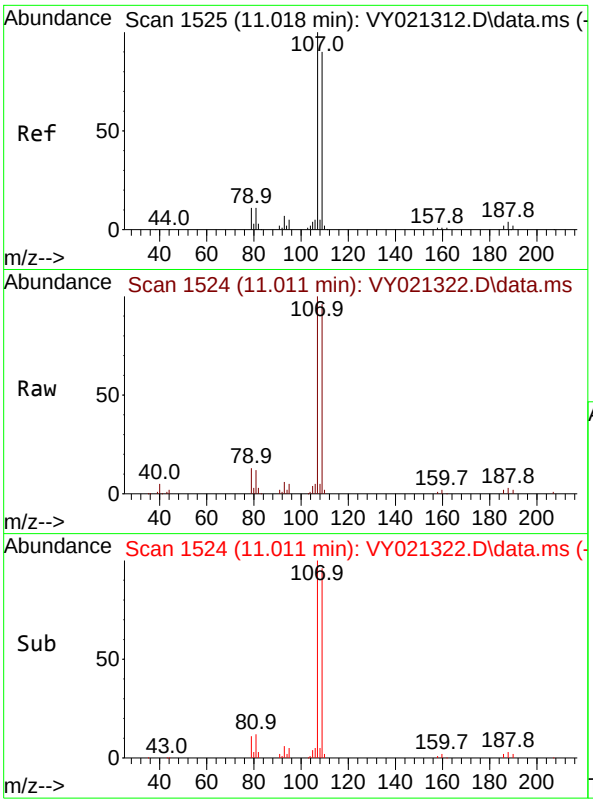


#60
Dibromochloromethane
Concen: 19.318 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:129 Resp: 38212

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4

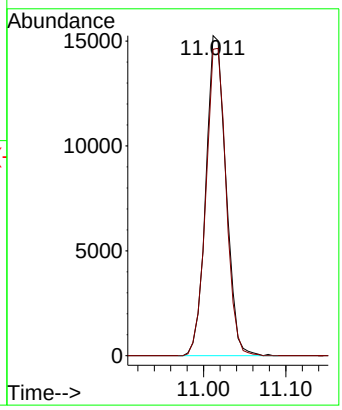




#61
1,2-Dibromoethane
Concen: 18.799 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:107 Resp: 2584

Ion	Ratio	Lower	Upper
107	100		
109	96.2	73.8	110.8



Instrument :
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ClientSampleId :
VY0226SBS01

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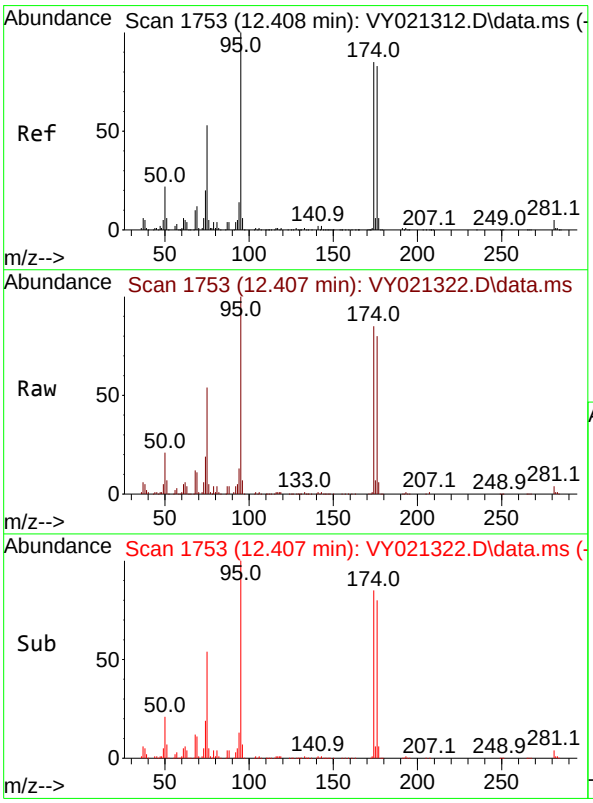
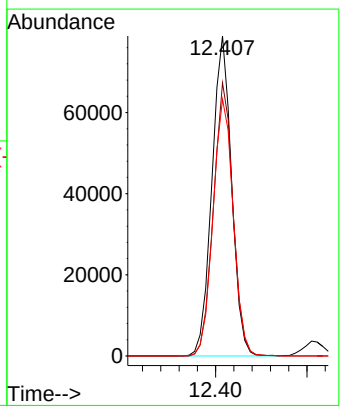
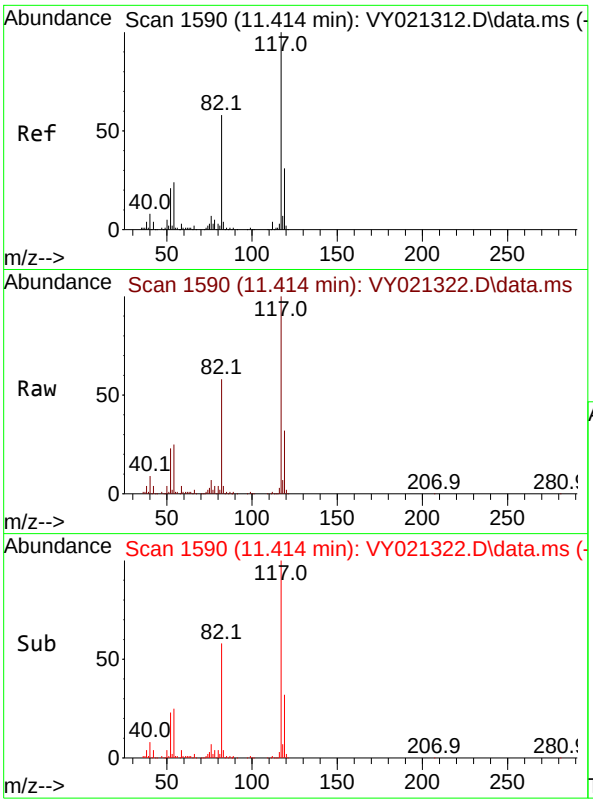


#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 95 Resp: 117404

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	168.0
176	82.9	0.0	162.6

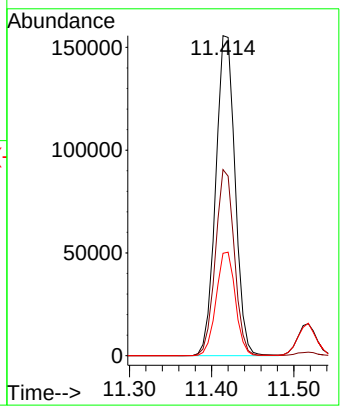




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 25489

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	32.0	24.9	37.3



Instrument :
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ClientSampleId :
VY0226SBS01

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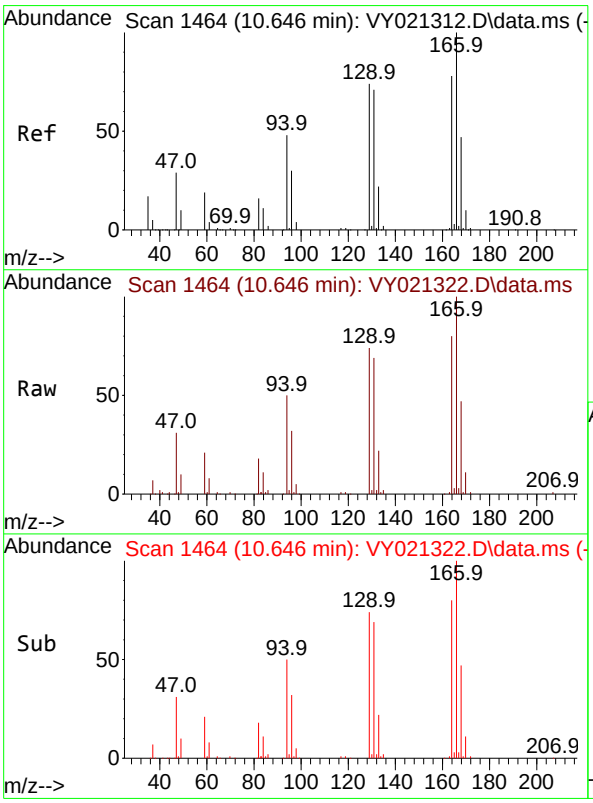
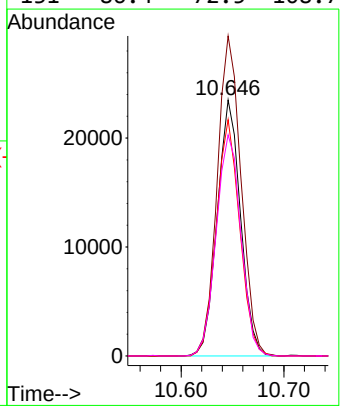
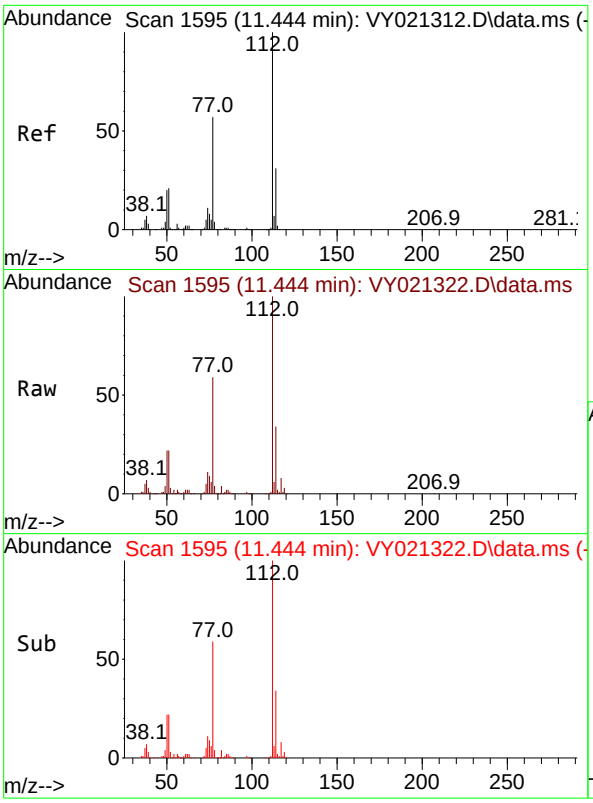


#64
Tetrachloroethene
Concen: 19.197 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:164 Resp: 36984

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.9	152.9
129	92.3	75.5	113.3
131	86.4	72.5	108.7

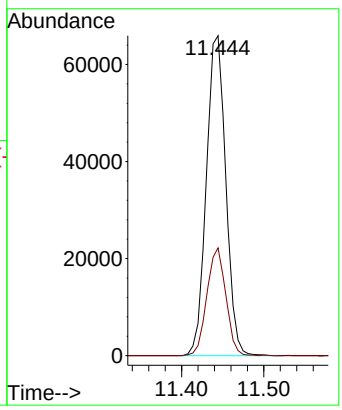




#65
Chlorobenzene
Concen: 18.977 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:112 Resp: 10857

Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.0	37.6



Instrument :
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ClientSampleId :
VY0226SBS01

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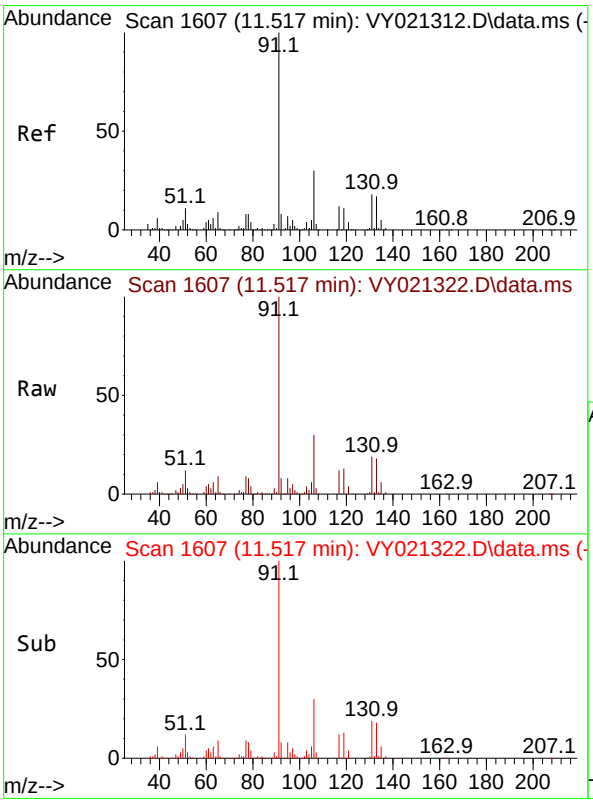
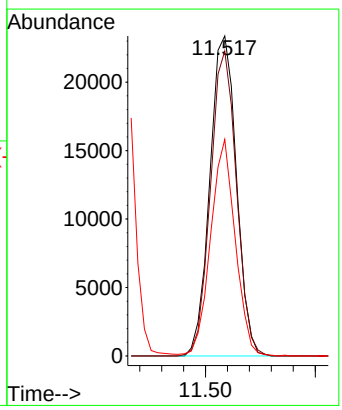
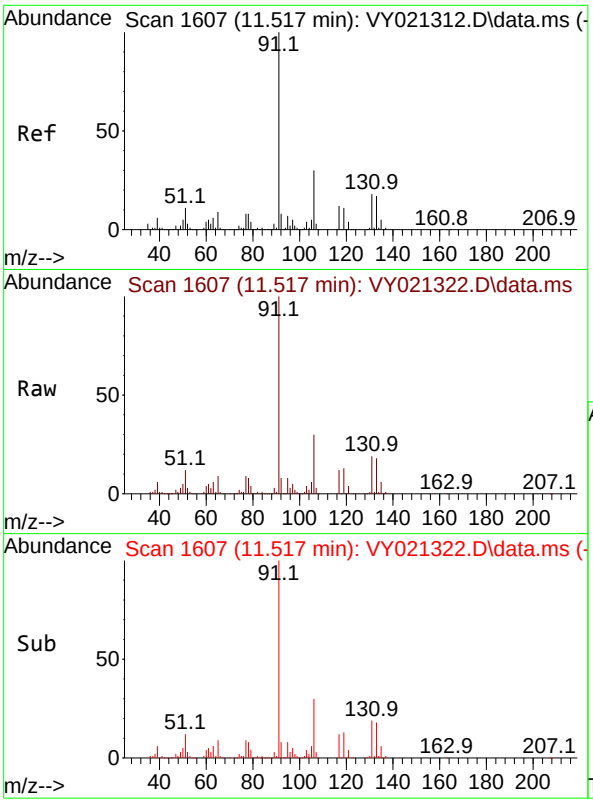


#66
1,1,1,2-Tetrachloroethane
Concen: 19.617 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:131 Resp: 39302

Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.9	143.6
119	63.0	31.7	95.1

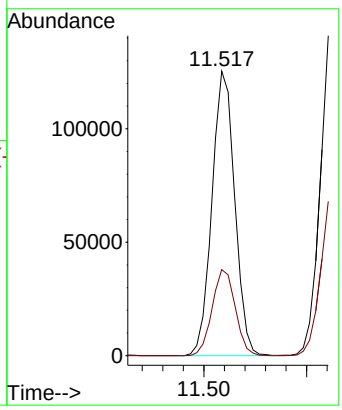




#67
Ethyl Benzene
Concen: 19.003 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 19259

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6



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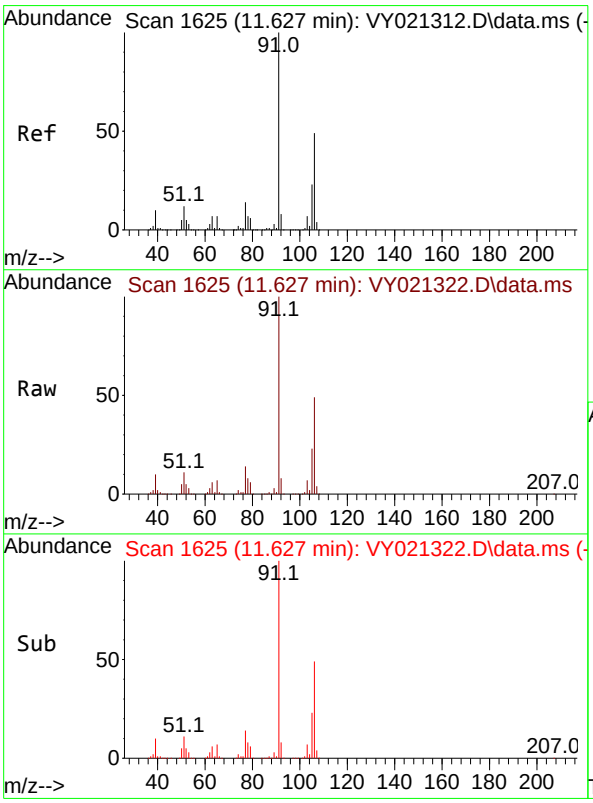
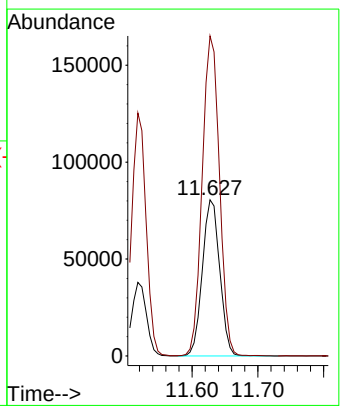
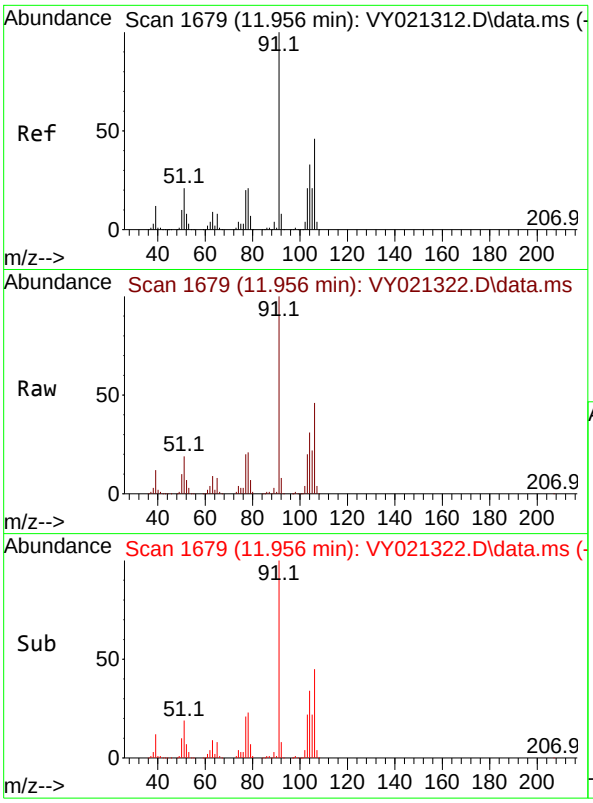


#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 147929

Ion	Ratio	Lower	Upper
106	100		
91	204.3	163.9	245.9

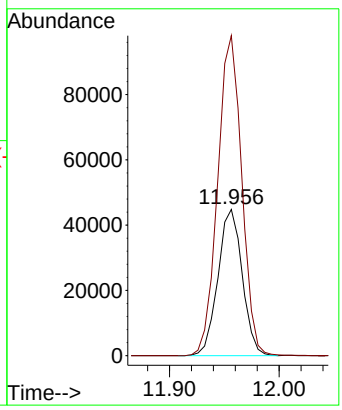




#69
o-Xylene
Concen: 19.342 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 6907

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2



Instrument :
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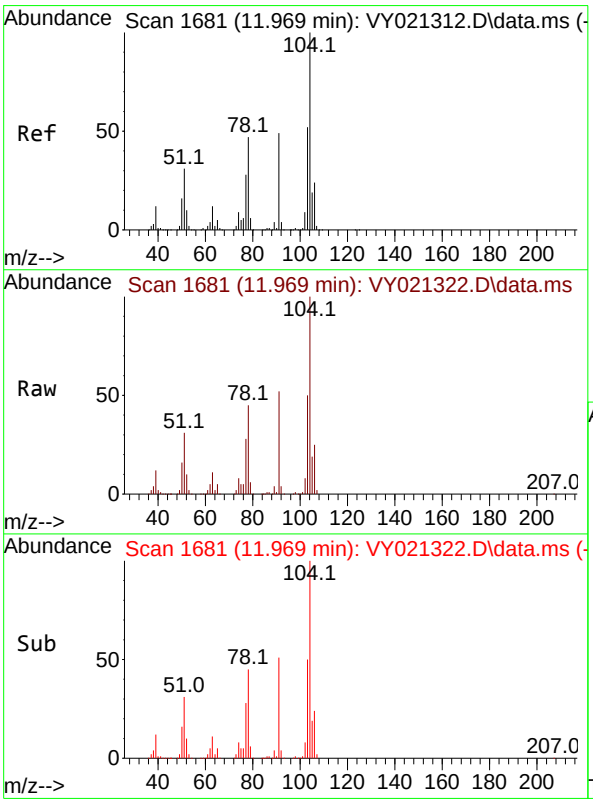
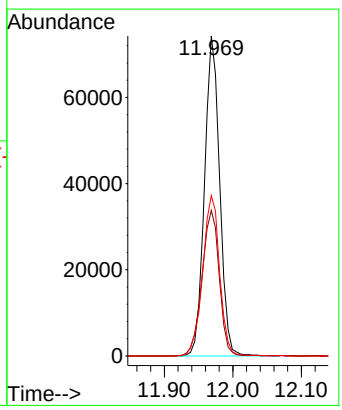
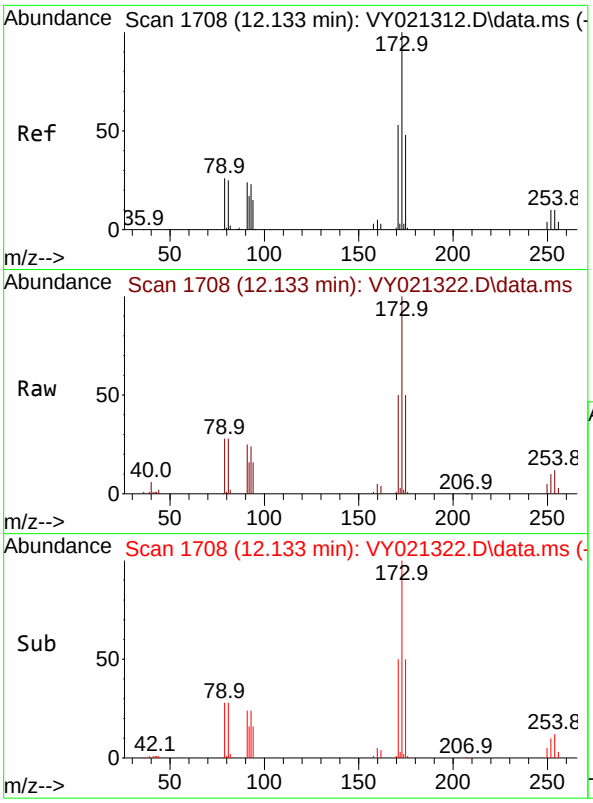


#70
Styrene
Concen: 19.262 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:104 Resp: 114447

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	55.8	43.9	65.9

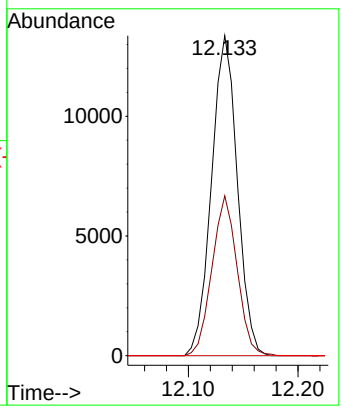




#71
Bromoform
Concen: 19.083 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:173 Resp: 2187

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.0	0.1	0.1



Instrument :
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ClientSampleId :
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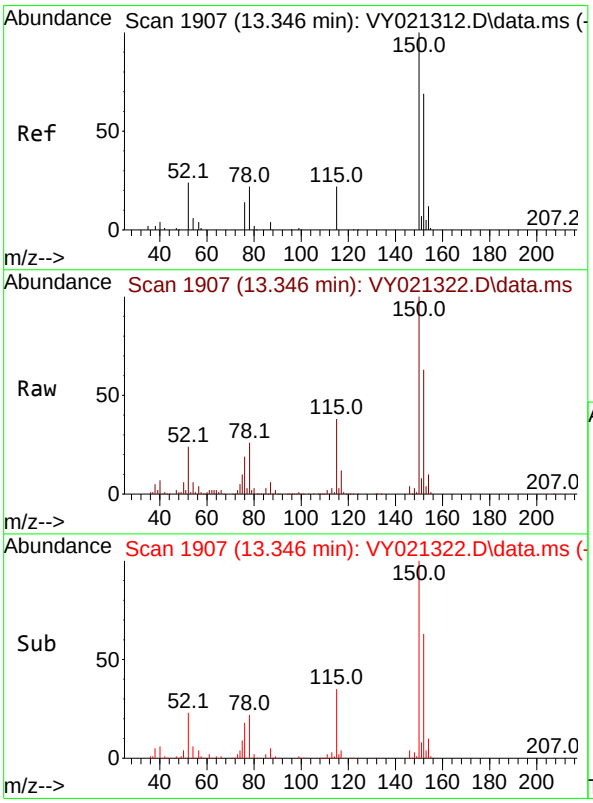
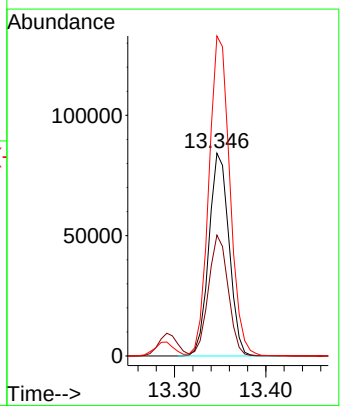
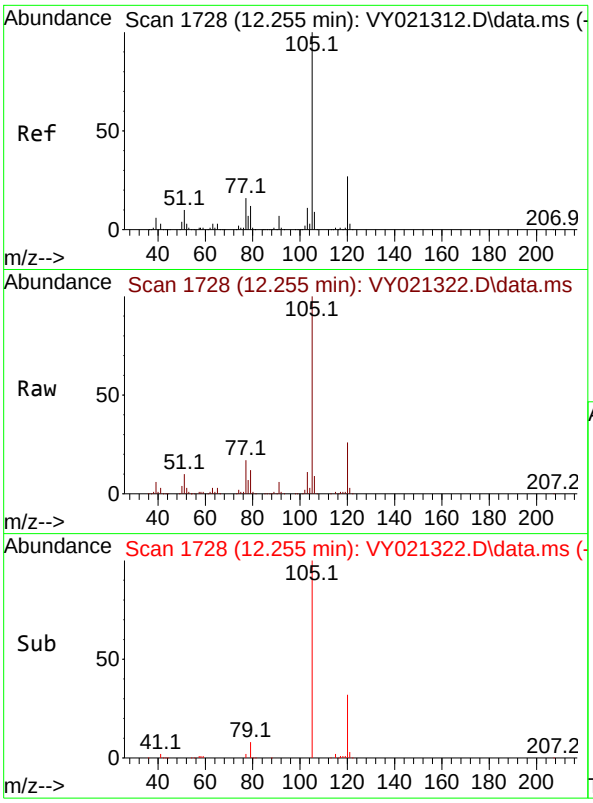


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:152 Resp: 128725

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	164.6	0.0	347.4

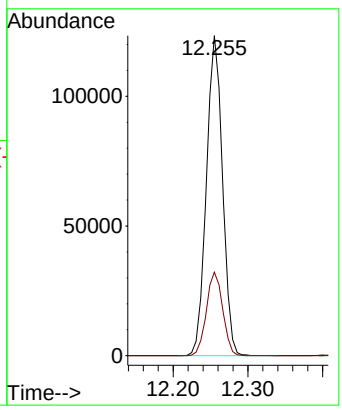




#73
Isopropylbenzene
Concen: 19.058 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 18443

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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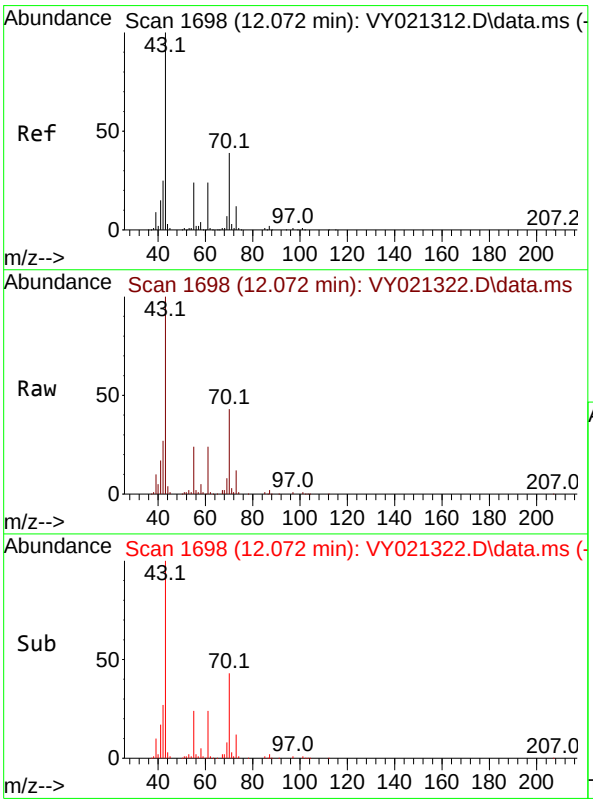
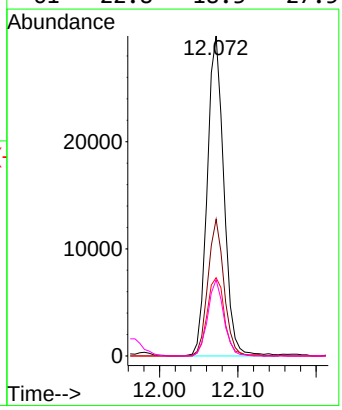
Supervised By :Mahesh Dadoda 02/27/2025

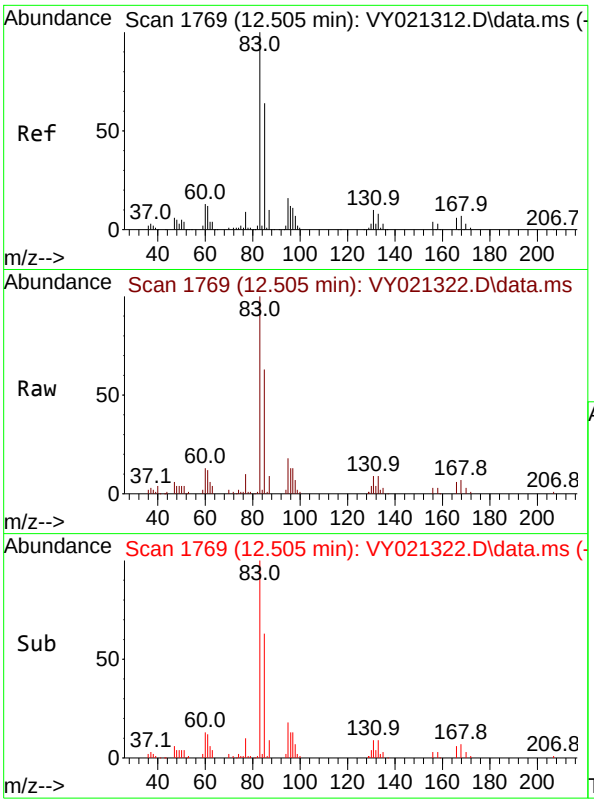


#74
N-amyl acetate
Concen: 17.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 44104

Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.2	48.2
55	25.5	19.6	29.4
61	22.8	18.3	27.5

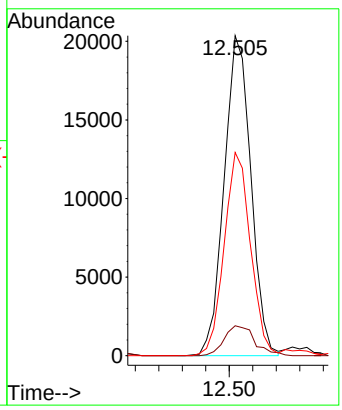




#75
1,1,2,2-Tetrachloroethane
Concen: 18.835 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 3216

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	62.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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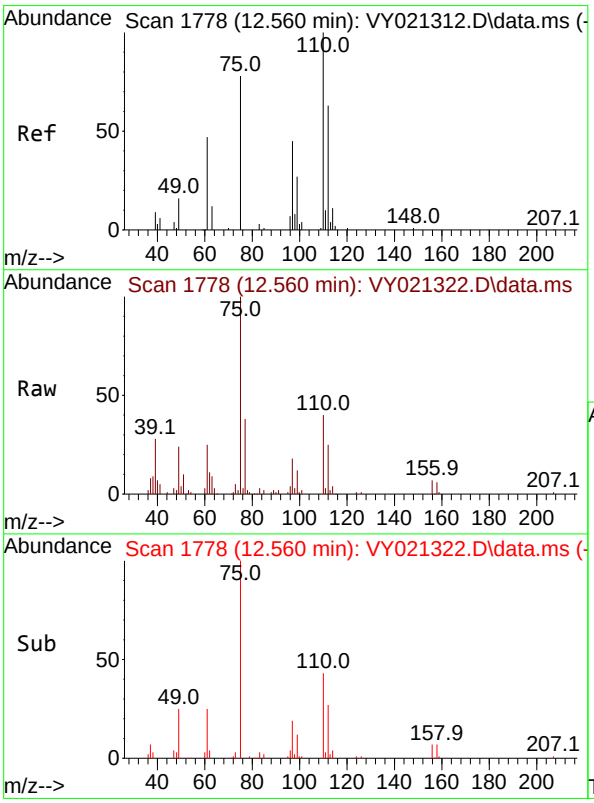
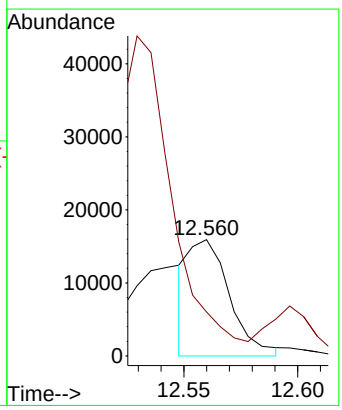
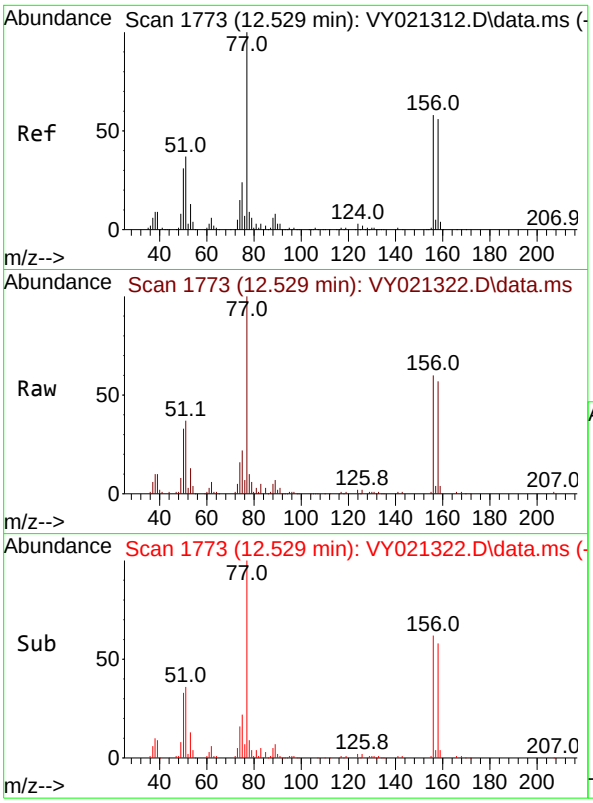


#76
1,2,3-Trichloropropane
Concen: 15.563 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 20053

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

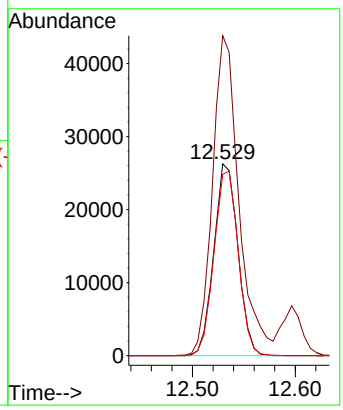




#77
Bromobenzene
Concen: 18.925 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:156 Resp: 4259

Ion	Ratio	Lower	Upper
156	100		
77	183.3	94.0	282.1
158	97.3	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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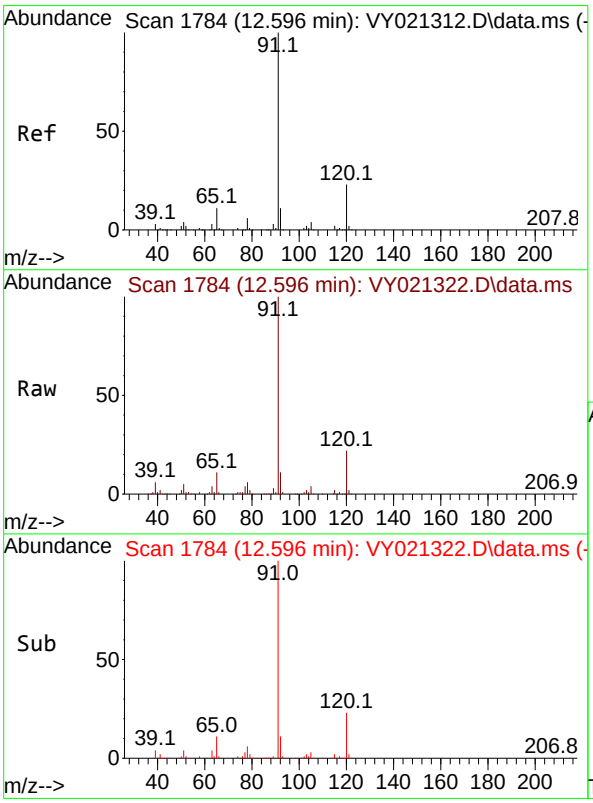
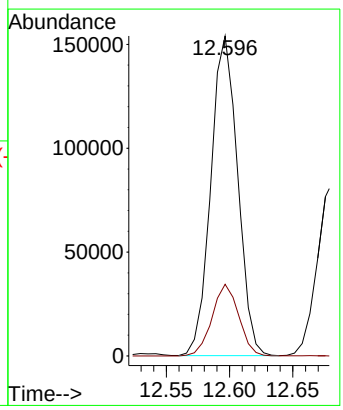
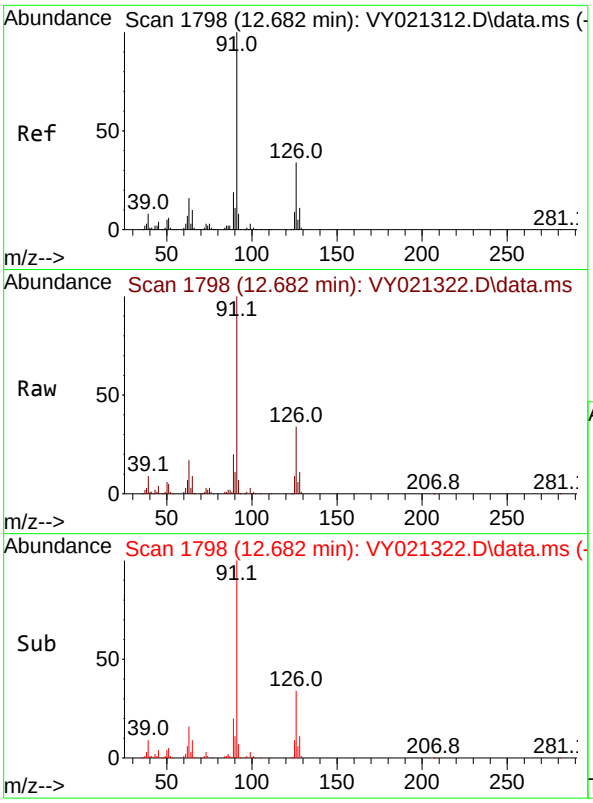


#78
n-propylbenzene
Concen: 19.317 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 226845

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

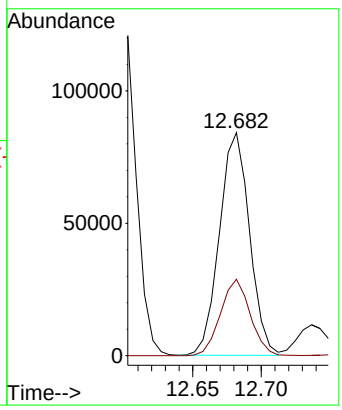




#79
2-Chlorotoluene
Concen: 19.070 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 12852

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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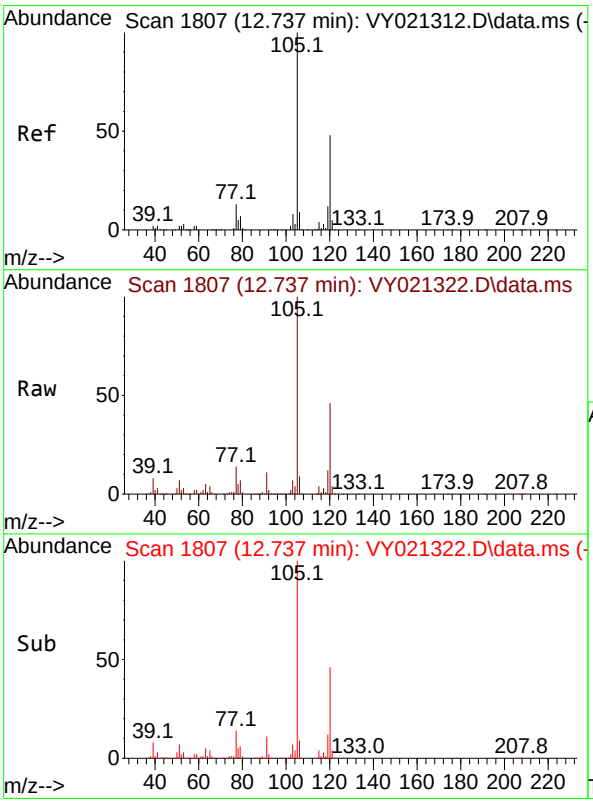
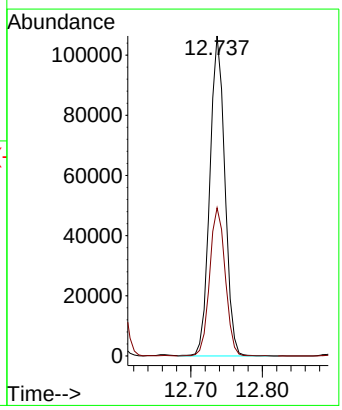
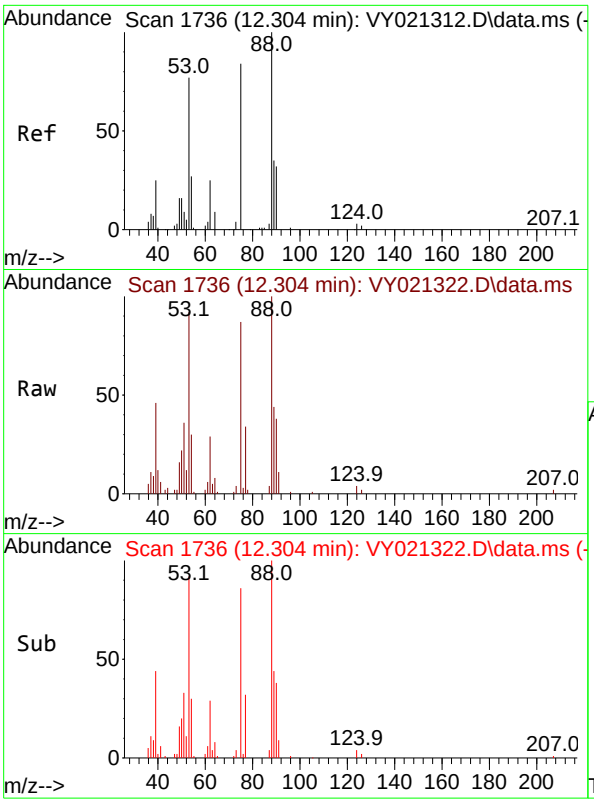


#80
1,3,5-Trimethylbenzene
Concen: 19.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 155422

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.364 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 1006

Ion	Ratio	Lower	Upper
75	100		
53	104.9	79.1	118.7
89	46.4	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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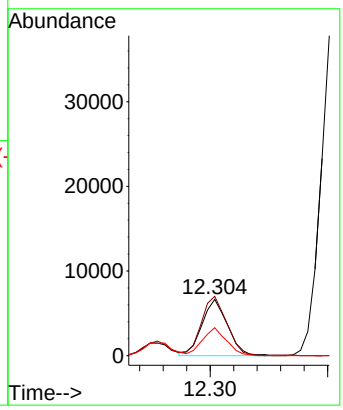
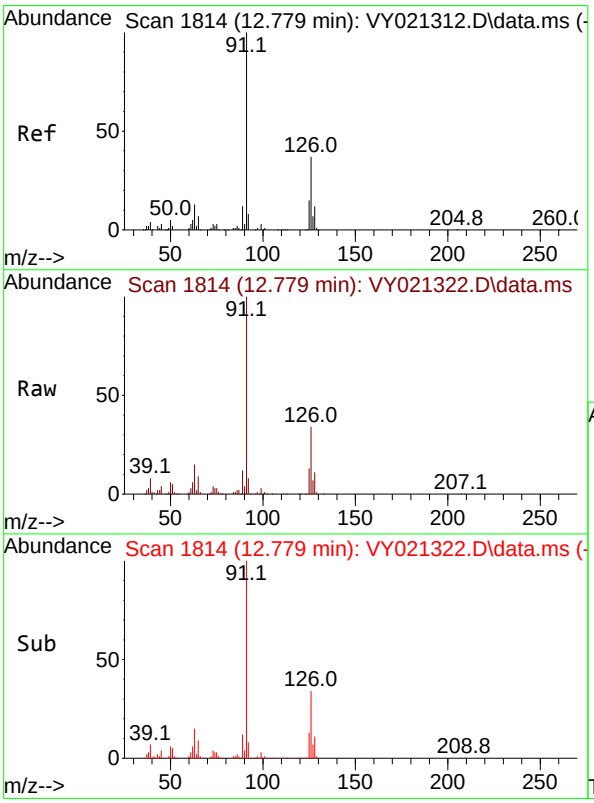
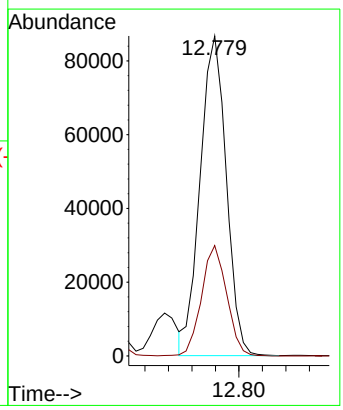


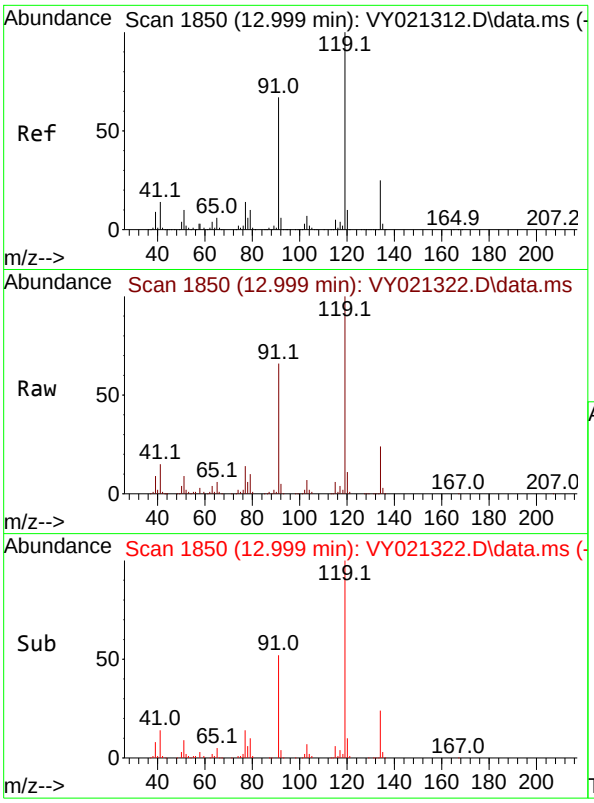


#82
4-Chlorotoluene
Concen: 19.171 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 133936

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4

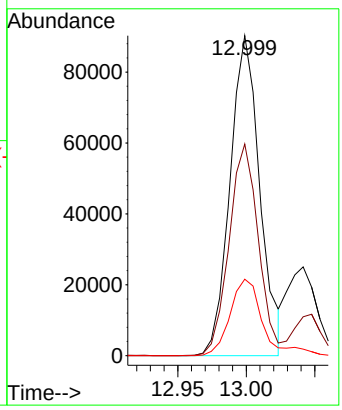




#83
tert-Butylbenzene
Concen: 19.079 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 13678

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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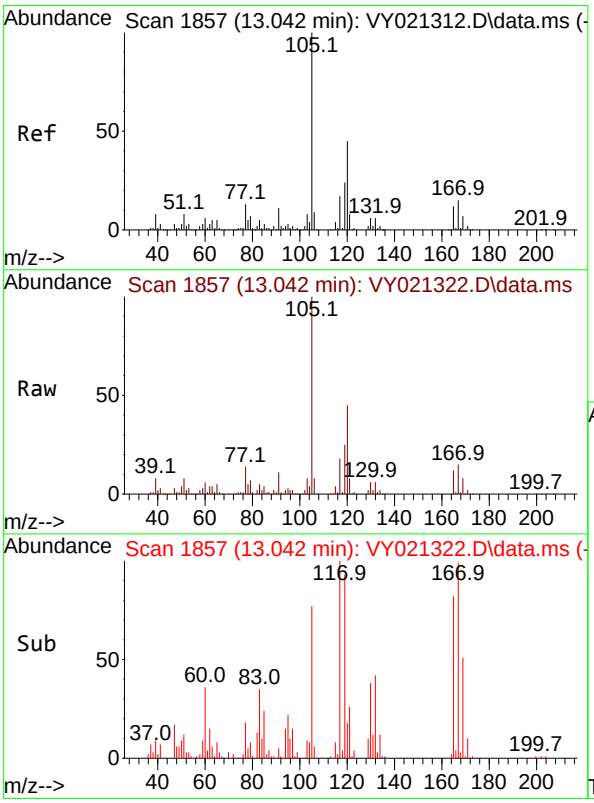
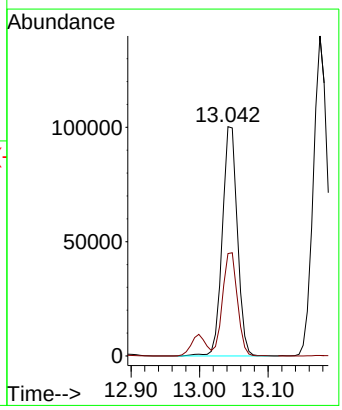
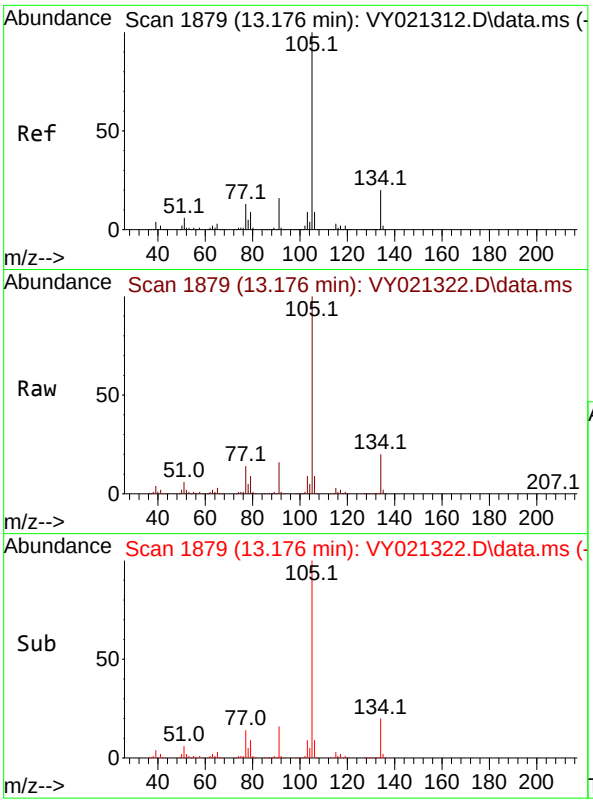


#84
1,2,4-Trimethylbenzene
Concen: 19.310 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 152431

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3

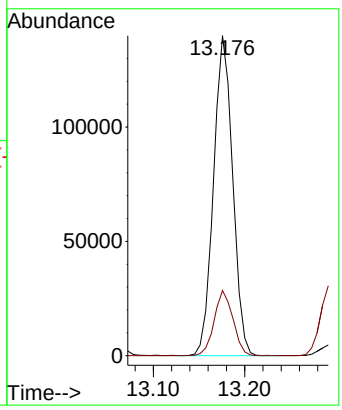




#85
sec-Butylbenzene
Concen: 19.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 20406

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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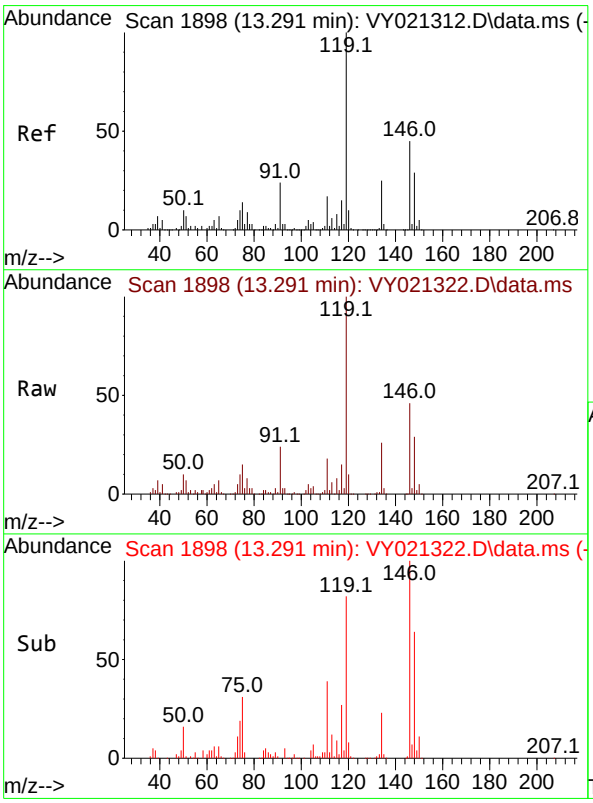
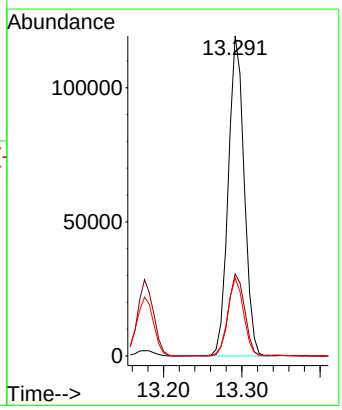
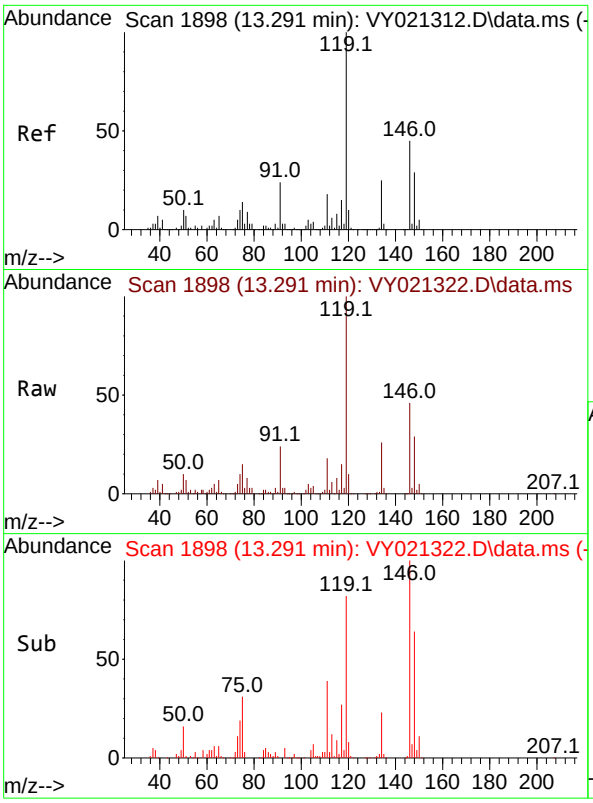


#86
p-Isopropyltoluene
Concen: 19.195 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 167856

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.2	12.0	36.1

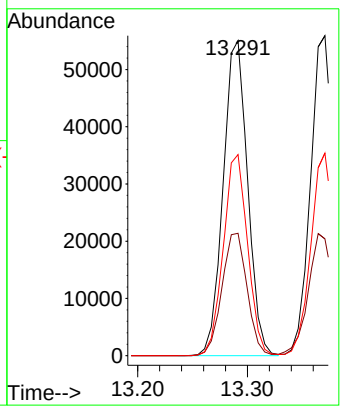




#87
1,3-Dichlorobenzene
Concen: 19.148 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 8525

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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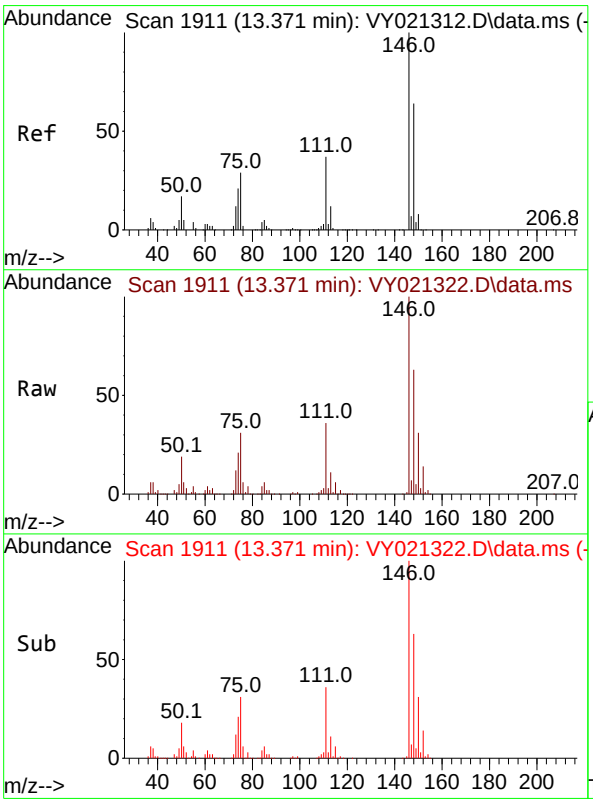
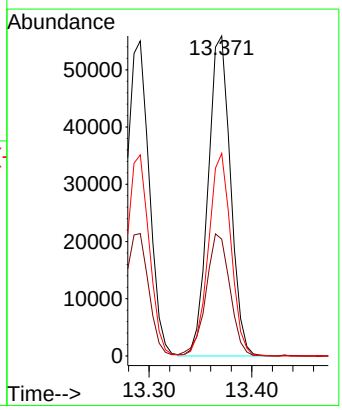
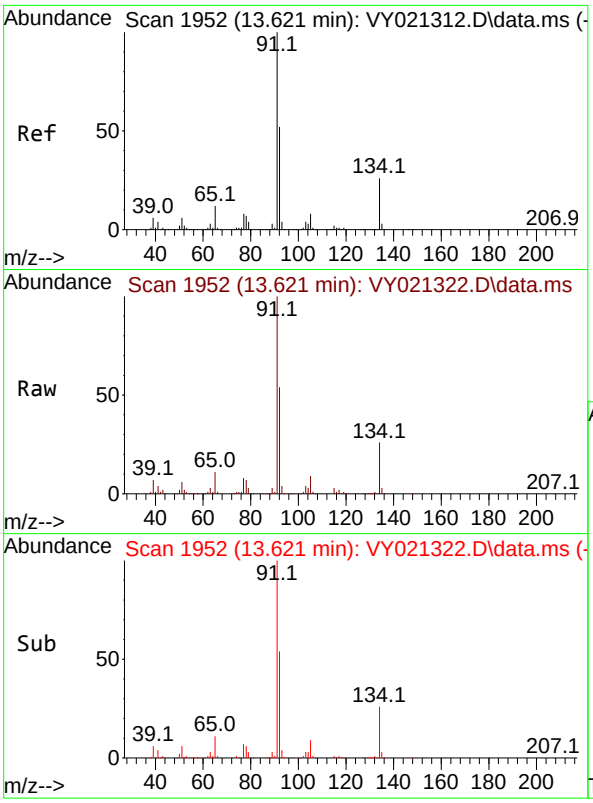


#88
1,4-Dichlorobenzene
Concen: 19.226 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 84570

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.5	58.5
148	63.6	32.0	96.2

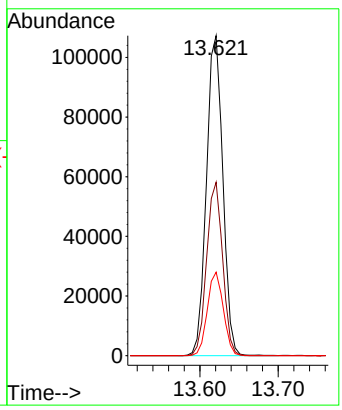




#89
n-Butylbenzene
Concen: 18.911 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 15562

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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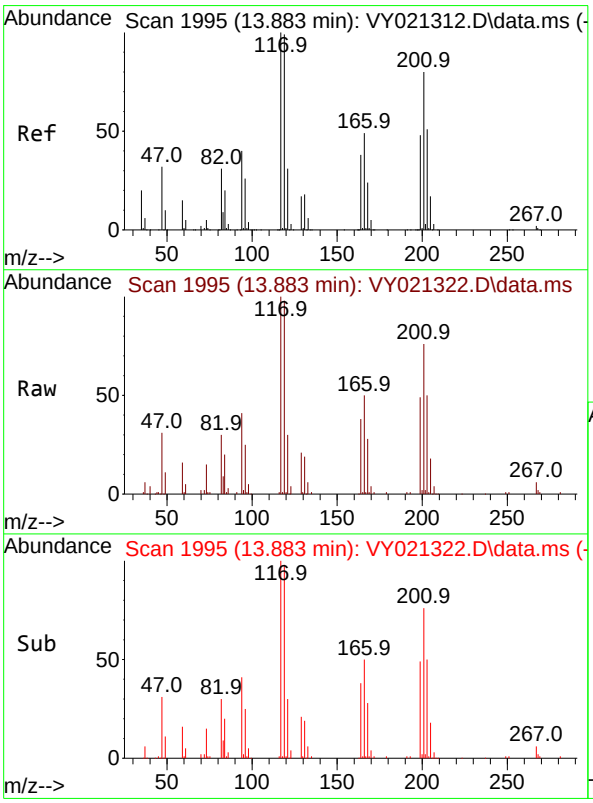
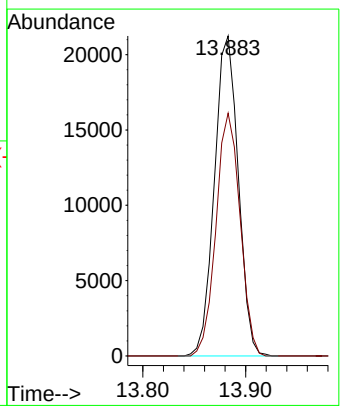
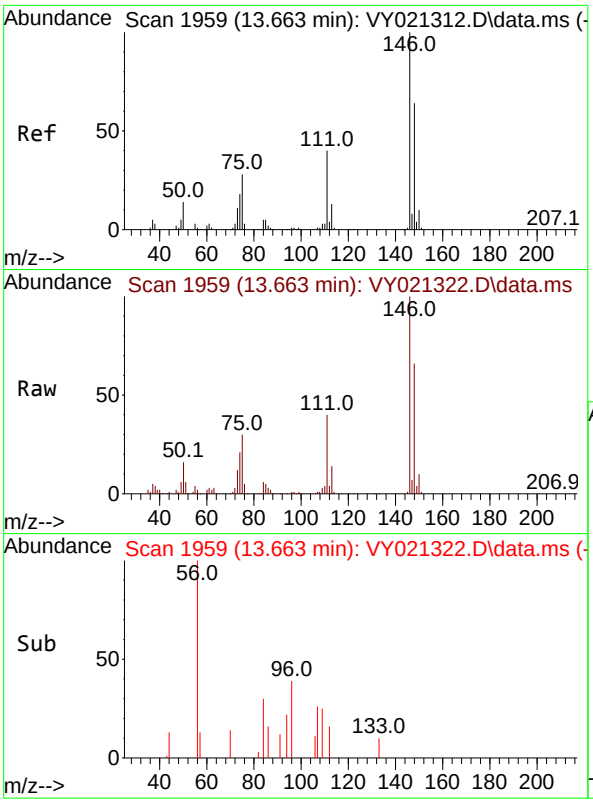


#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 34224

Ion	Ratio	Lower	Upper
117	100		
201	76.4	38.4	115.2

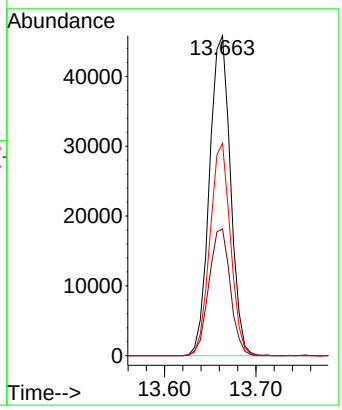




#91
1,2-Dichlorobenzene
Concen: 18.778 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 7325

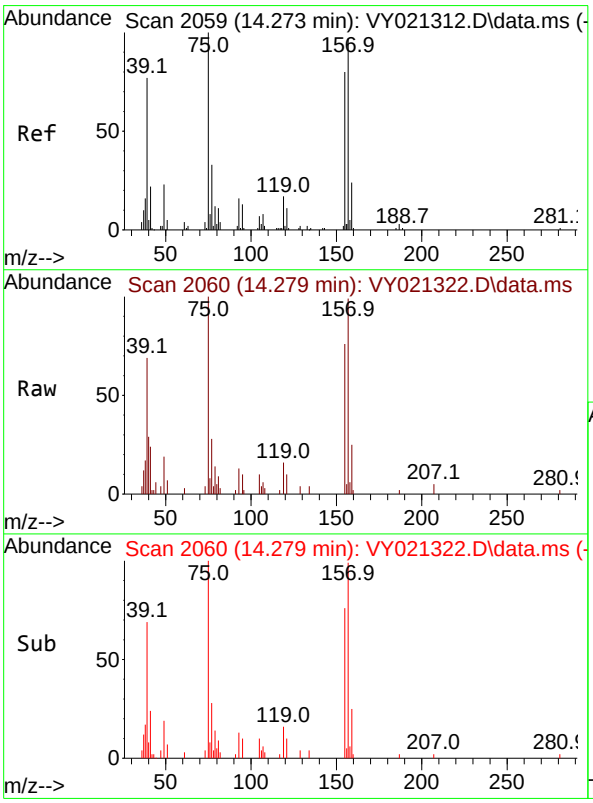
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.9	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

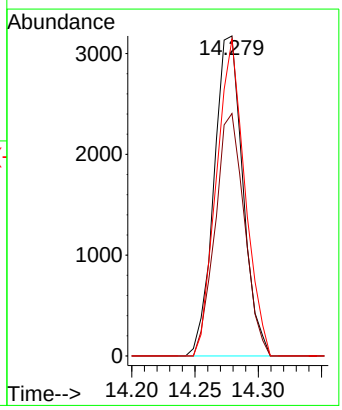
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

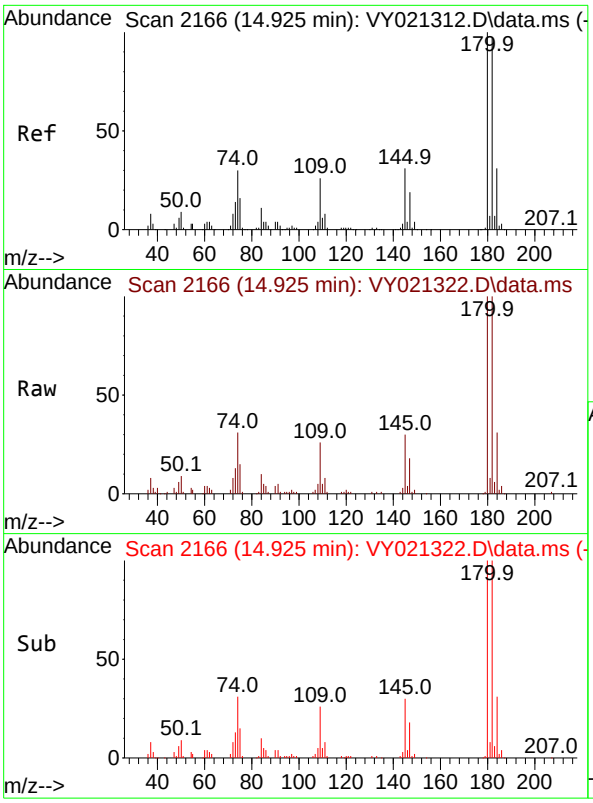


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.599 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5025

Ion	Ratio	Lower	Upper
75	100		
155	76.7	41.9	125.6
157	97.9	52.5	157.6

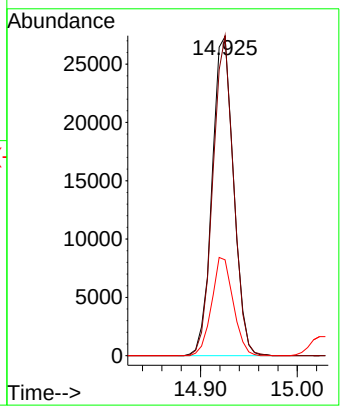




#93
1,2,4-Trichlorobenzene
Concen: 17.702 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 4214

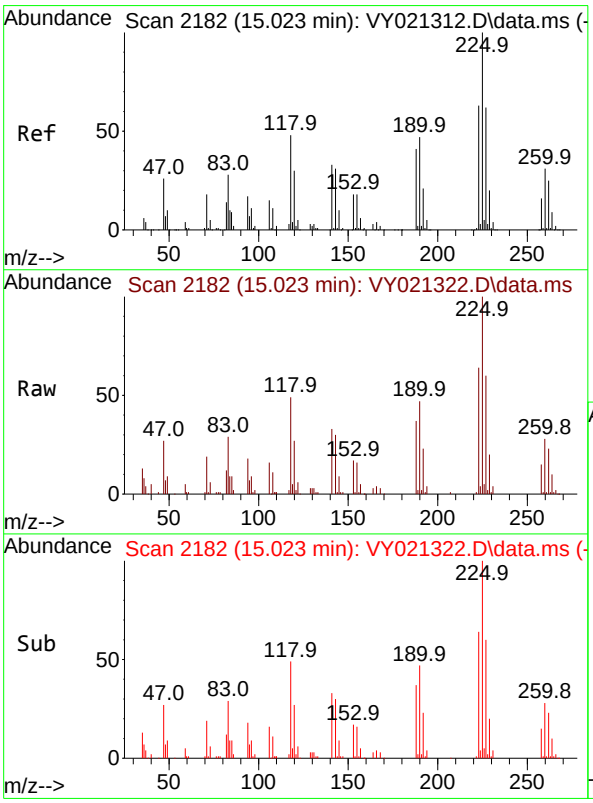
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.9	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

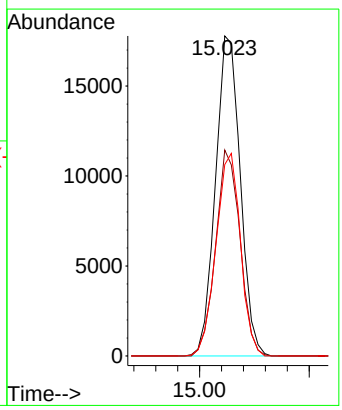
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

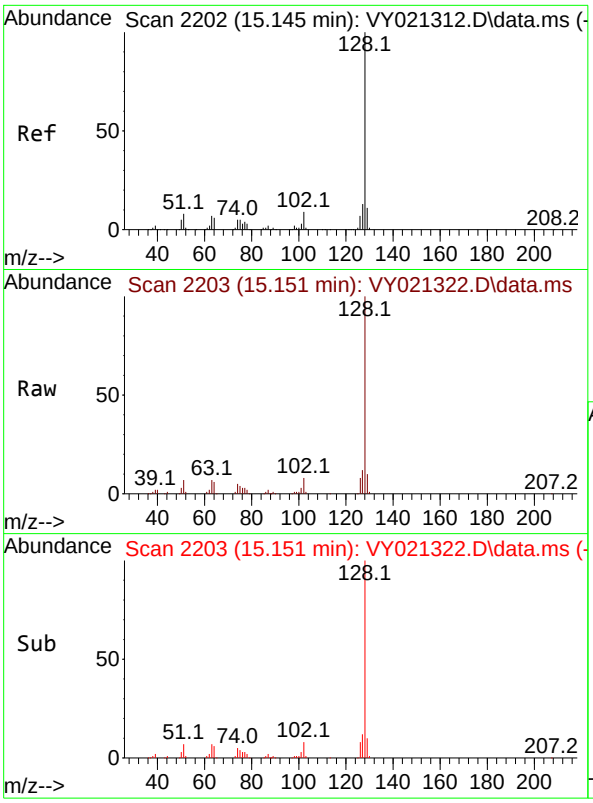


#94
Hexachlorobutadiene
Concen: 18.650 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:225 Resp: 27956

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	62.6	31.9	95.7

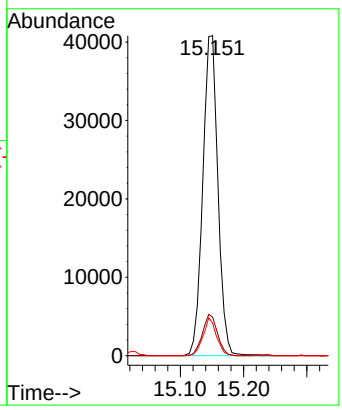




#95
Naphthalene
Concen: 17.269 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:128 Resp: 6810

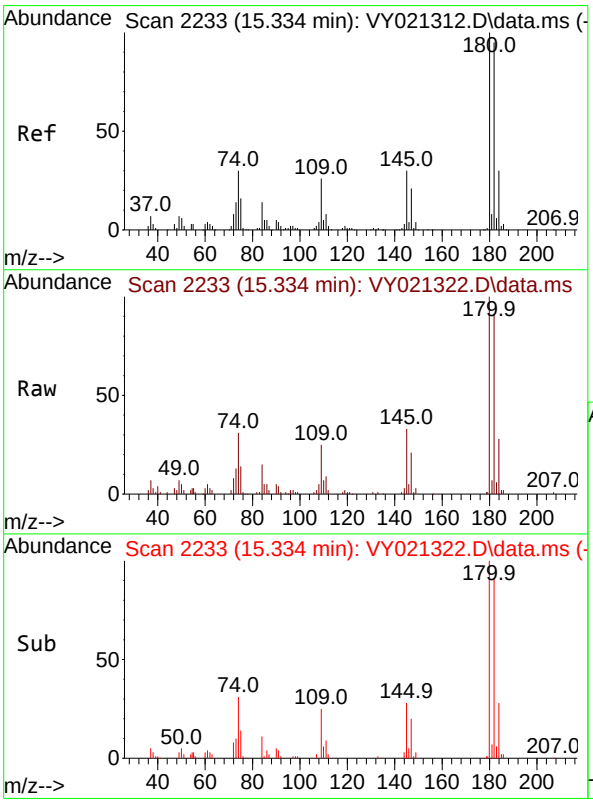
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

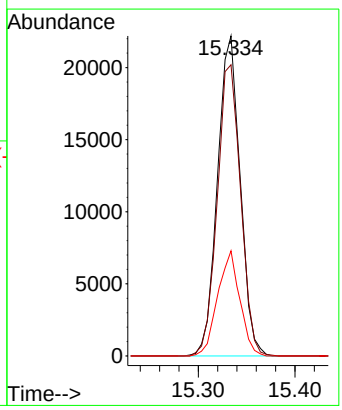
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.931 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 36072

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	32.1	16.1	48.3



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VN0219WBSD01	SDG No.:	Q1380
Lab Sample ID:	VN0219WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085786.D	1		02/19/25 13:22	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.5		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.2		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.7		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	90.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.3		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	91.4		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	17.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	17.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.3		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.8		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	97.6		1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	
Client Sample ID:	VN0219WBSD01	SDG No.:	Q1380
Lab Sample ID:	VN0219WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085786.D	1		02/19/25 13:22	VN021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.9		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.5		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.5		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.9		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.6		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.5		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.1		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.5		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.4		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.1		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.1		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.5		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	55.1		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	292000	8.224				
540-36-3	1,4-Difluorobenzene	482000	9.094				
3114-55-4	Chlorobenzene-d5	419000	11.859				
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.788				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	291949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	482343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	419097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	199880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	209994	55.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.960%			
35) Dibromofluoromethane	8.159	113	172581	54.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.360%			
50) Toluene-d8	10.559	98	633017	55.125	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.260%			
62) 4-Bromofluorobenzene	12.847	95	214234	56.623	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	68335	17.208	ug/l	99
3) Chloromethane	2.359	50	65887	16.535	ug/l	97
4) Vinyl Chloride	2.518	62	70955	16.817	ug/l	95
5) Bromomethane	2.965	94	46166	17.113	ug/l	92
6) Chloroethane	3.124	64	45233	16.186	ug/l	98
7) Trichlorofluoromethane	3.506	101	102093	16.713	ug/l	98
8) Diethyl Ether	3.959	74	36195	18.313	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	60484	17.129	ug/l	99
10) Methyl Iodide	4.589	142	76448	17.564	ug/l	99
11) Tert butyl alcohol	5.512	59	41697	89.569	ug/l	99
12) 1,1-Dichloroethene	4.342	96	54998	17.178	ug/l	97
13) Acrolein	4.177	56	65423	94.768	ug/l	99
14) Allyl chloride	5.024	41	72622	17.277	ug/l	97
15) Acrylonitrile	5.712	53	136306	90.066	ug/l	99
16) Acetone	4.418	43	108199	90.343	ug/l	98
17) Carbon Disulfide	4.712	76	151093	15.924	ug/l	99
18) Methyl Acetate	5.018	43	74381	18.057	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	182911	19.226	ug/l	100
20) Methylene Chloride	5.271	84	66321	17.220	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	58286	16.907	ug/l	95
22) Diisopropyl ether	6.665	45	182697	19.235	ug/l	99
23) Vinyl Acetate	6.600	43	582508m	89.569	ug/l	
24) 1,1-Dichloroethane	6.565	63	111812	17.317	ug/l	100
25) 2-Butanone	7.477	43	161082	91.422	ug/l	97
26) 2,2-Dichloropropane	7.483	77	98544	17.164	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	70342	17.598	ug/l	99
28) Bromochloromethane	7.812	49	49350	18.596	ug/l	99
29) Tetrahydrofuran	7.835	42	107184	94.205	ug/l	100
30) Chloroform	7.959	83	117979	17.485	ug/l	96
31) Cyclohexane	8.253	56	88578	16.385	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	103361	17.222	ug/l	97
36) 1,1-Dichloropropene	8.365	75	77917	17.443	ug/l	99
37) Ethyl Acetate	7.553	43	69804	18.989	ug/l	97
38) Carbon Tetrachloride	8.359	117	90380	17.028	ug/l	94
39) Methylcyclohexane	9.594	83	75943	17.306	ug/l	95
40) Benzene	8.600	78	254524	17.778	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	38602	19.644	ug/l		99
42) 1,2-Dichloroethane	8.665	62	85033	18.234	ug/l		99
43) Isopropyl Acetate	8.682	43	119146	18.120	ug/l		100
44) Trichloroethene	9.347	130	58797	16.727	ug/l		98
45) 1,2-Dichloropropane	9.618	63	62628	18.123	ug/l		99
46) Dibromomethane	9.706	93	44217	18.140	ug/l		99
47) Bromodichloromethane	9.882	83	93945	18.014	ug/l		99
48) Methyl methacrylate	9.677	41	51605	18.903	ug/l		99
49) 1,4-Dioxane	9.688	88	19373	373.170	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	341162	96.260	ug/l		100
52) Toluene	10.624	92	157605	18.780	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	90168	18.698	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	99549	18.825	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	59722	17.898	ug/l		97
56) Ethyl methacrylate	10.871	69	82232	18.745	ug/l		98
57) 1,3-Dichloropropane	11.159	76	101726	18.263	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	205579	127.372	ug/l		100
59) 2-Hexanone	11.188	43	237858	97.555	ug/l		99
60) Dibromochloromethane	11.353	129	73246	18.852	ug/l		99
61) 1,2-Dibromoethane	11.465	107	58358	18.511	ug/l		98
64) Tetrachloroethene	11.100	164	56894	17.523	ug/l		98
65) Chlorobenzene	11.888	112	167918	17.490	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.953	131	61128	17.714	ug/l		99
67) Ethyl Benzene	11.959	91	269597	17.926	ug/l		97
68) m/p-Xylenes	12.065	106	214661	37.576	ug/l		99
69) o-Xylene	12.394	106	100658	18.543	ug/l		100
70) Styrene	12.406	104	168188	18.098	ug/l		98
71) Bromoform	12.576	173	47351	18.466	ug/l	#	96
73) Isopropylbenzene	12.694	105	248434	18.142	ug/l		99
74) N-amyl acetate	12.488	43	88150	18.254	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	82814	17.575	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	82494m	18.580	ug/l		
77) Bromobenzene	12.976	156	65513	17.708	ug/l		95
78) n-propylbenzene	13.029	91	292124	18.627	ug/l		100
79) 2-Chlorotoluene	13.123	91	186830	17.830	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	212280	19.030	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	27548	18.103	ug/l		95
82) 4-Chlorotoluene	13.217	91	187674	18.067	ug/l		99
83) tert-Butylbenzene	13.435	119	172030	18.340	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	210395	19.064	ug/l		99
85) sec-Butylbenzene	13.612	105	245503	18.524	ug/l		100
86) p-Isopropyltoluene	13.723	119	202304	17.957	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	120286	17.354	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	121293	17.073	ug/l		100
89) n-Butylbenzene	14.053	91	162853	17.307	ug/l		98
90) Hexachloroethane	14.329	117	41839	16.669	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	113836	17.079	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14204	16.415	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	52980	16.681	ug/l		98
94) Hexachlorobutadiene	15.494	225	30731	15.921	ug/l		97
95) Naphthalene	15.635	128	144340	16.554	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	53127	16.662	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
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Instrument :
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ClientSampleId :
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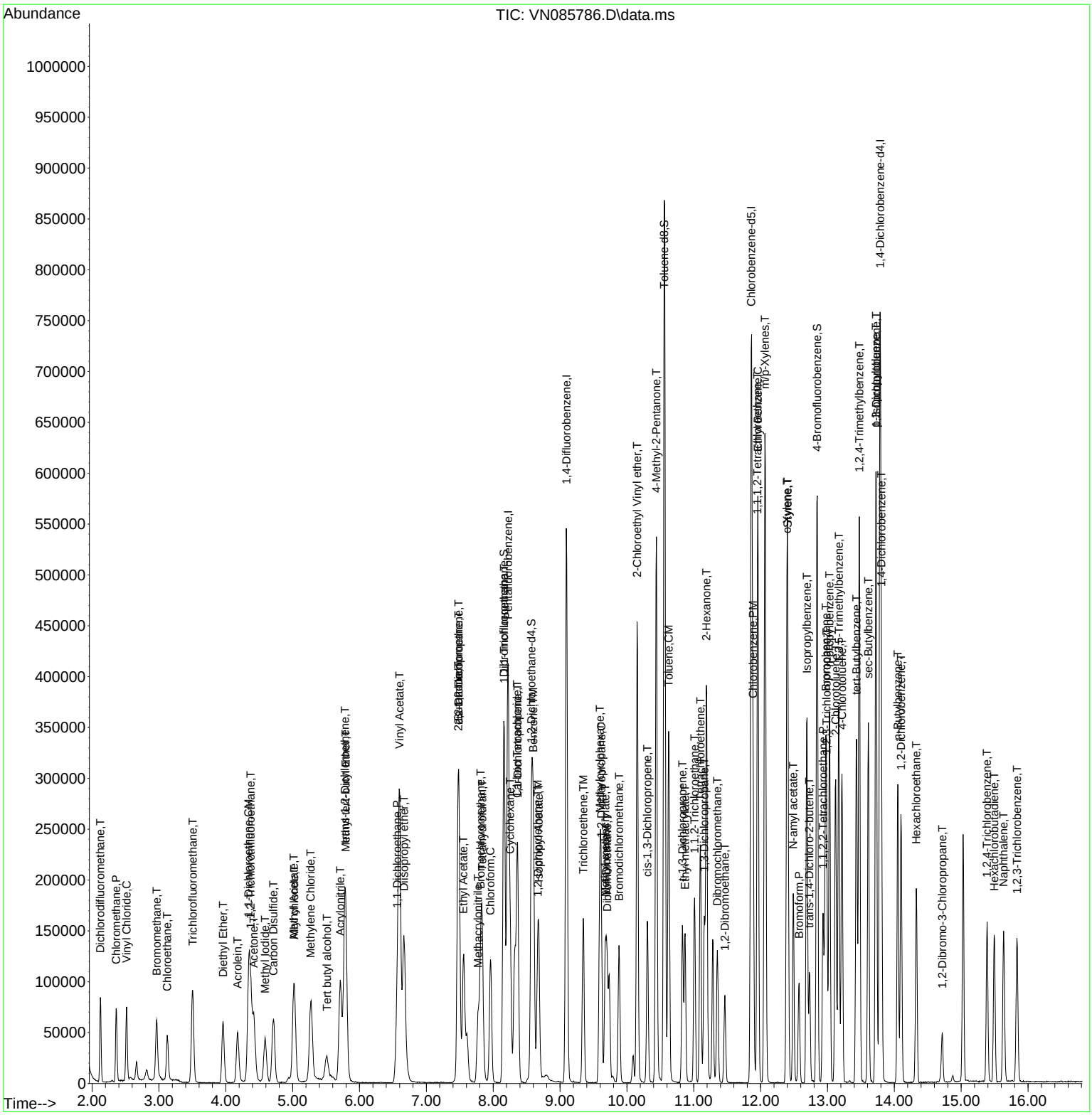
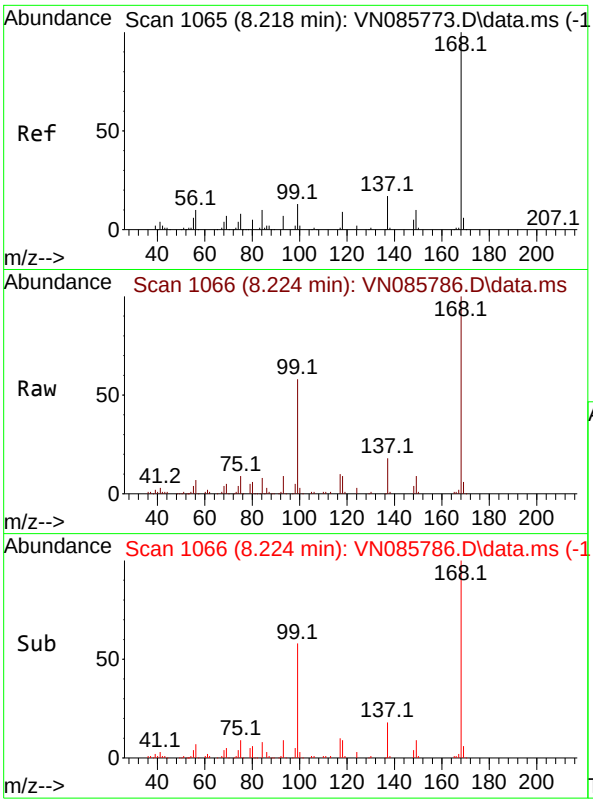
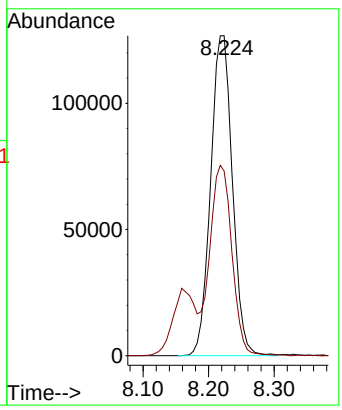




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:168 Resp: 29194

Ion	Ratio	Lower	Upper
168	100		
99	57.4	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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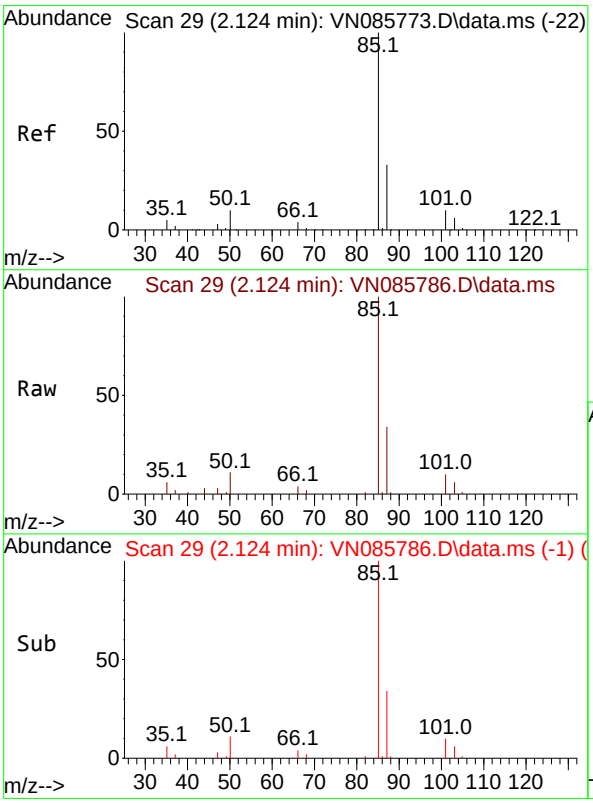
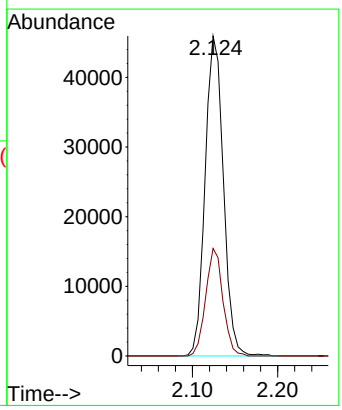
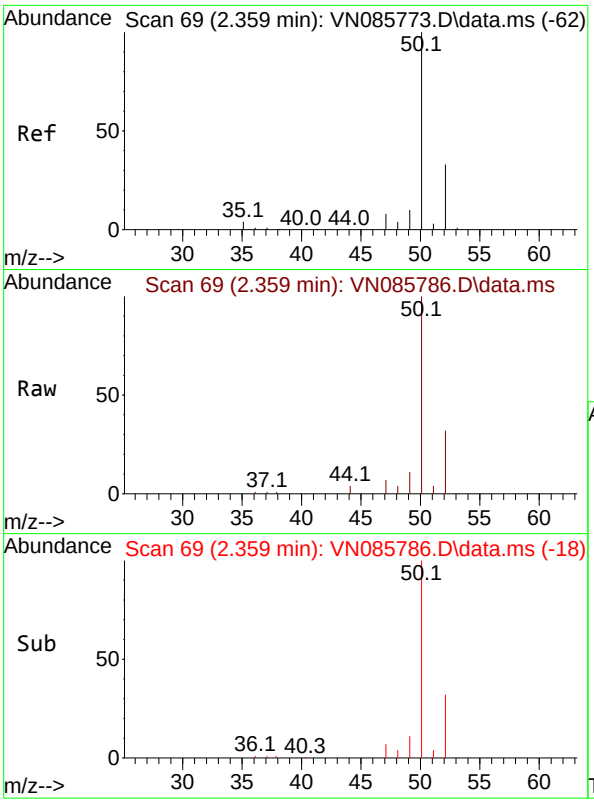


#2
Dichlorodifluoromethane
Concen: 17.208 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 85 Resp: 68335

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.4	49.2

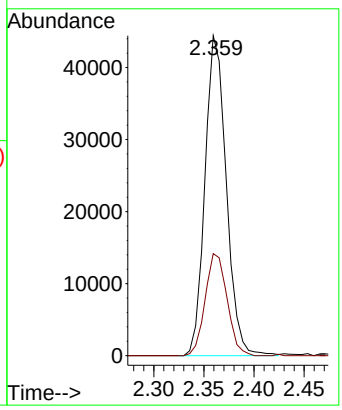




#3
Chloromethane
Concen: 16.535 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 50 Resp: 6588

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.7	40.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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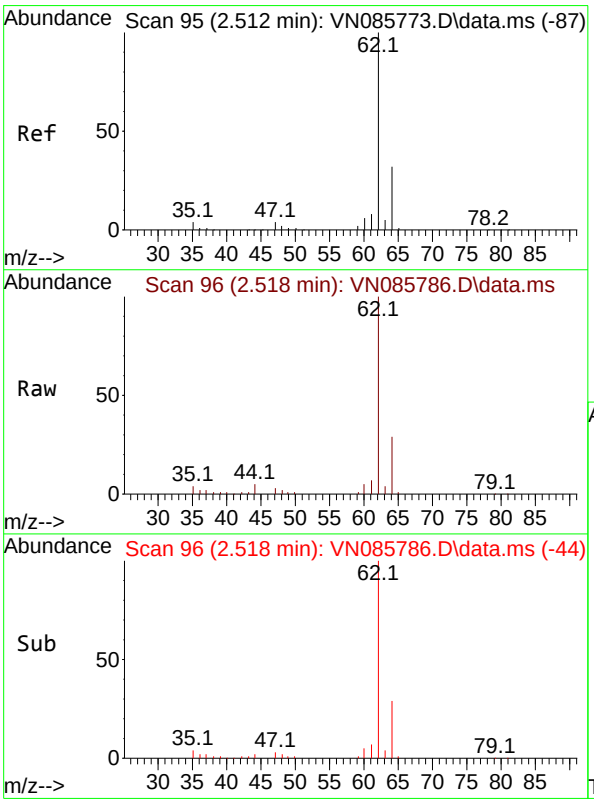
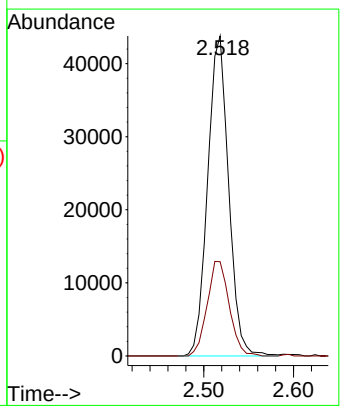
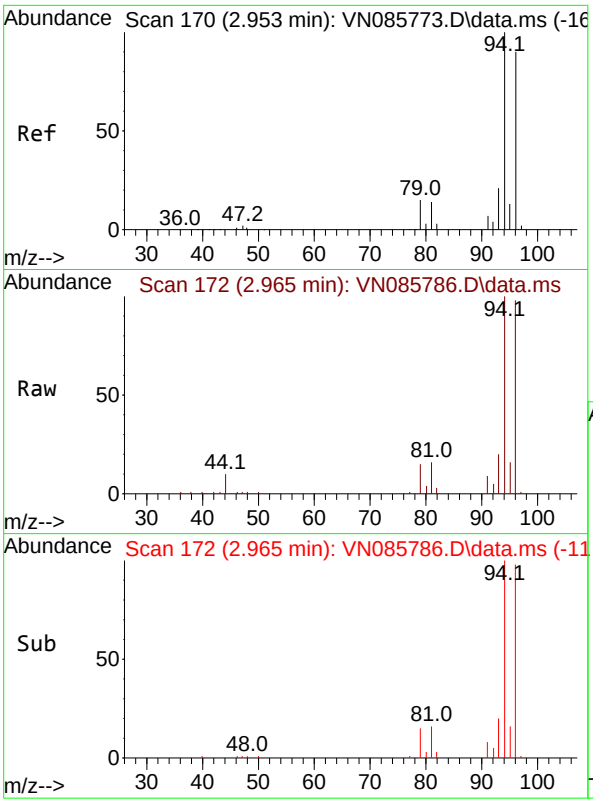


#4
Vinyl Chloride
Concen: 16.817 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 62 Resp: 70955

Ion	Ratio	Lower	Upper
62	100		
64	29.5	25.9	38.9

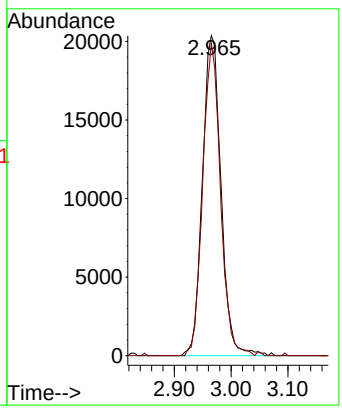




#5
Bromomethane
Concen: 17.113 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 94 Resp: 4616

Ion	Ratio	Lower	Upper
94	100		
96	97.5	71.7	107.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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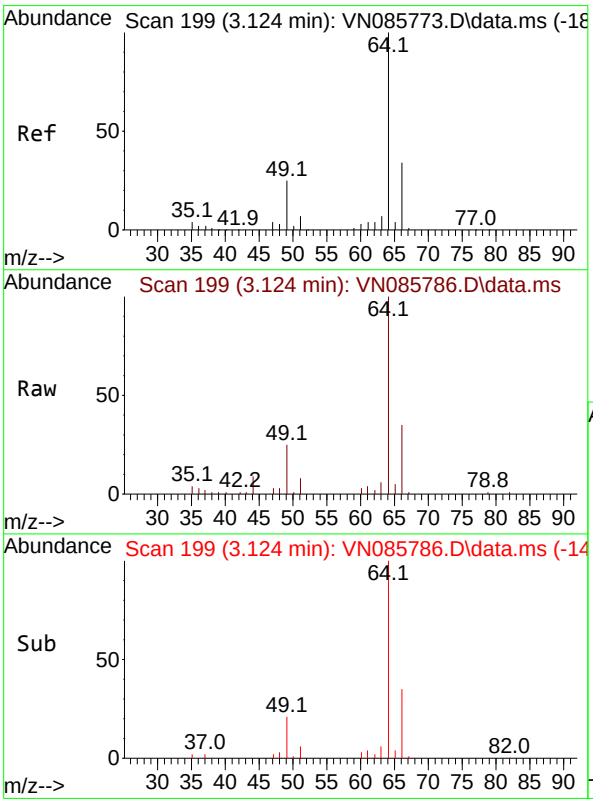
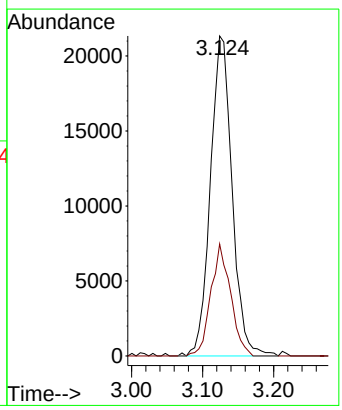
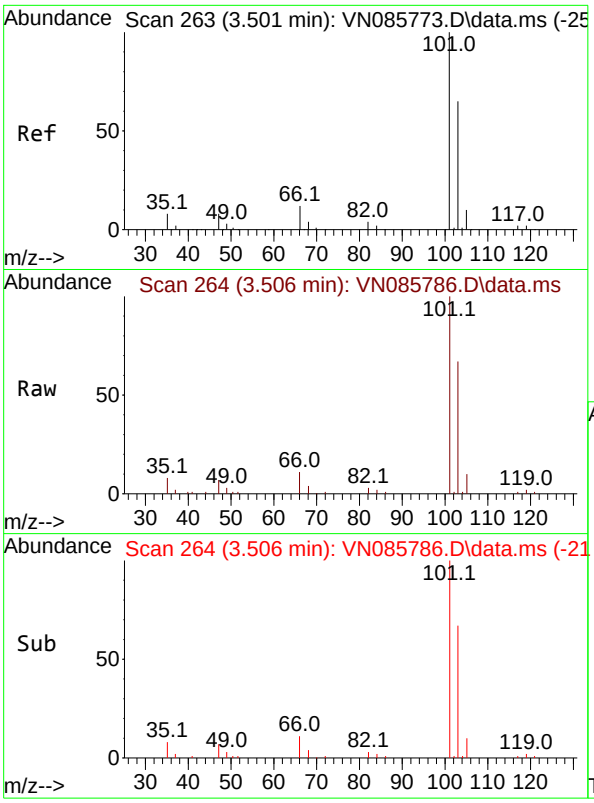


#6
Chloroethane
Concen: 16.186 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 64 Resp: 45233

Ion	Ratio	Lower	Upper
64	100		
66	35.0	27.0	40.6





#7
Trichlorofluoromethane
Concen: 16.713 ug/l
RT: 3.506 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:101 Resp: 10209

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.2	78.4

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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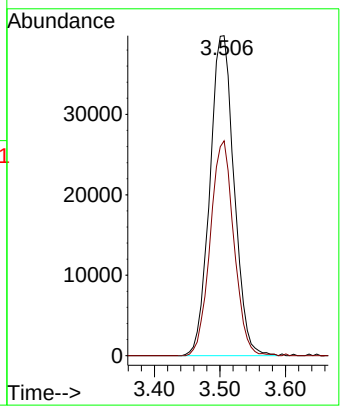
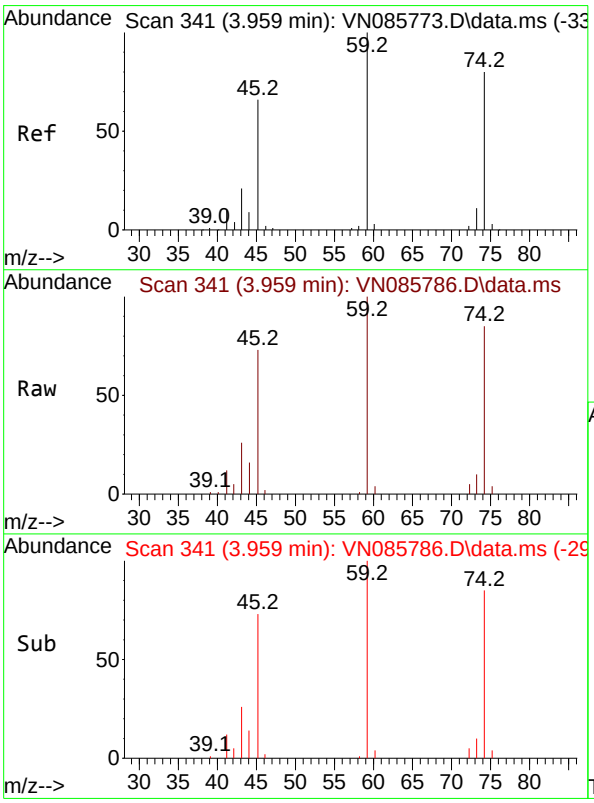
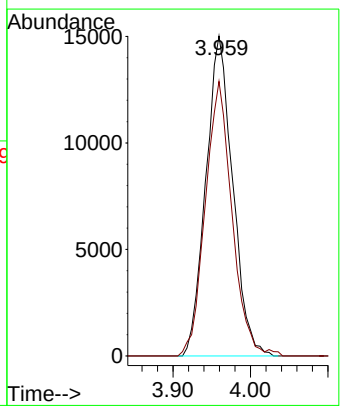


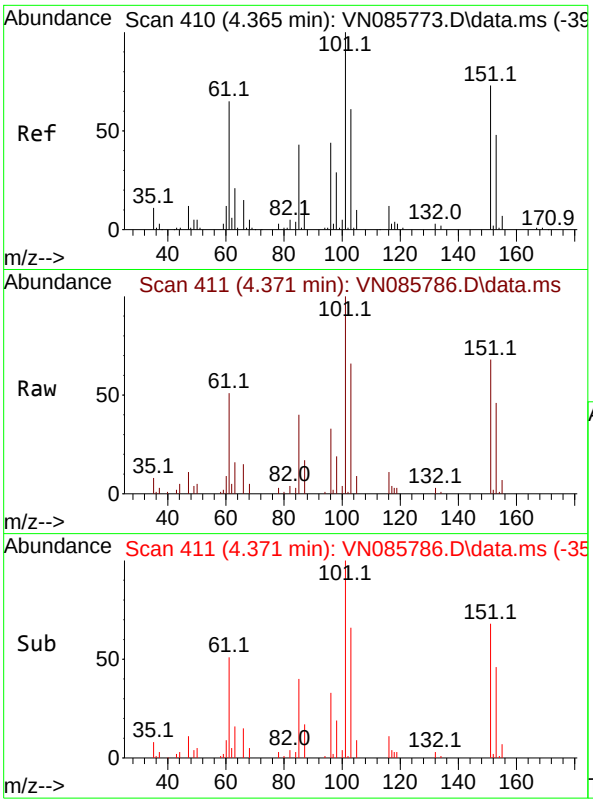


#8
Diethyl Ether
Concen: 18.313 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 74 Resp: 36195

Ion	Ratio	Lower	Upper
74	100		
45	85.4	42.5	127.6

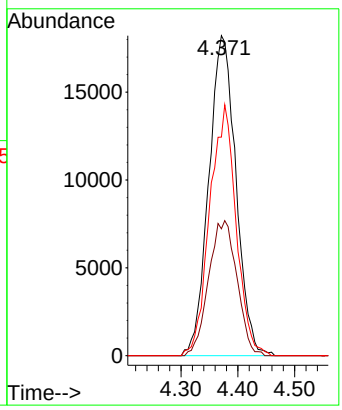




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.129 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:101 Resp: 6048

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.7	53.5
151	76.2	61.4	92.2



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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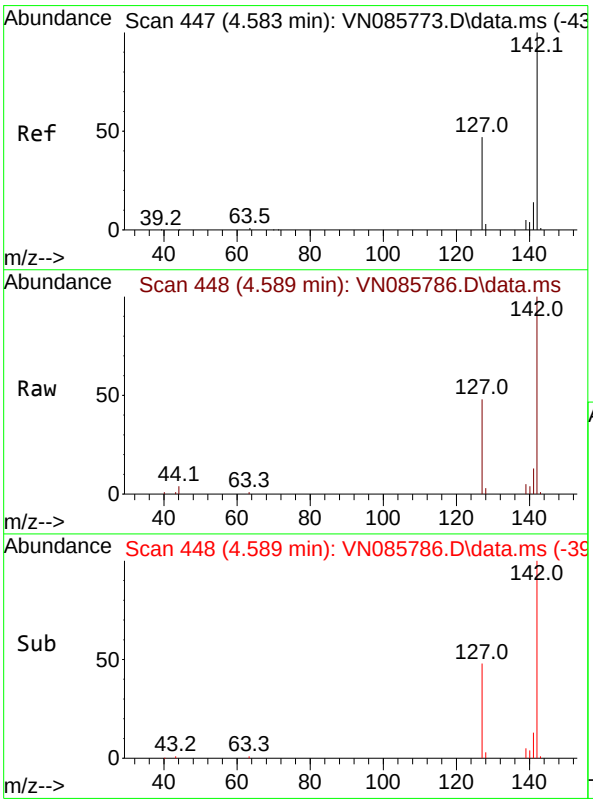
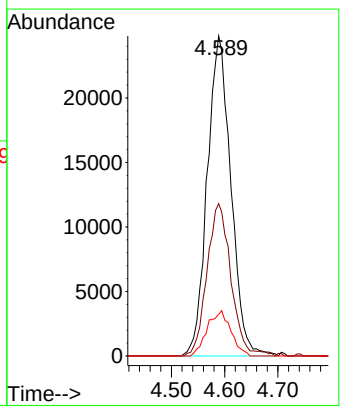
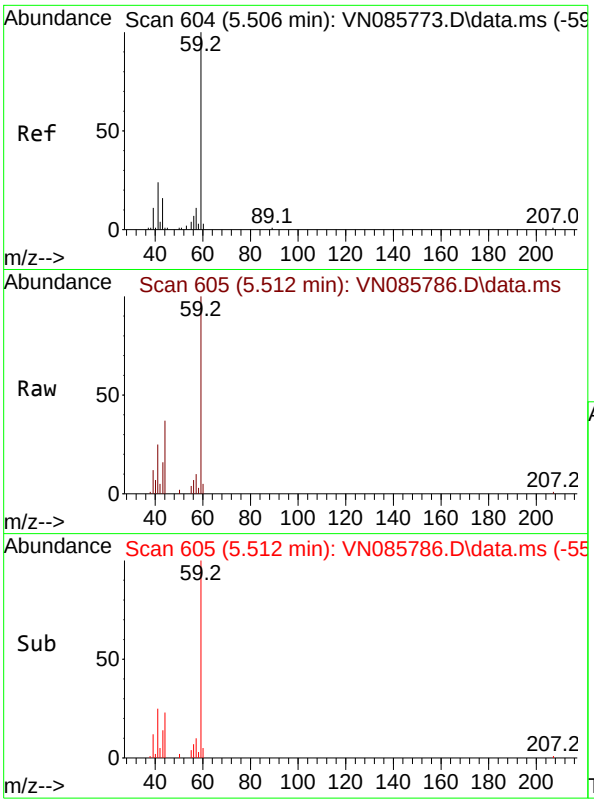


#10
Methyl Iodide
Concen: 17.564 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:142 Resp: 76448

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.6	56.4
141	13.1	11.4	17.2

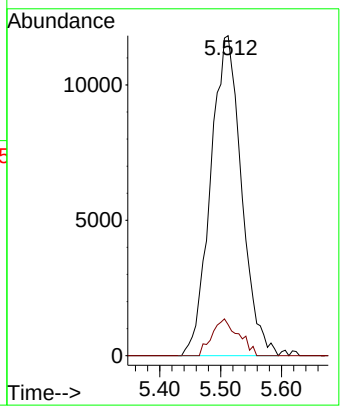




#11
Tert butyl alcohol
Concen: 89.569 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 59 Resp: 4169

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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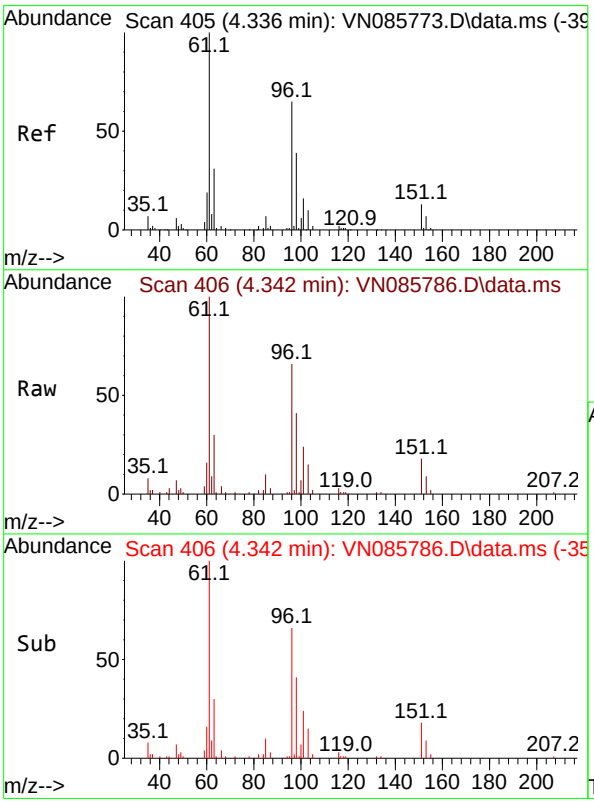
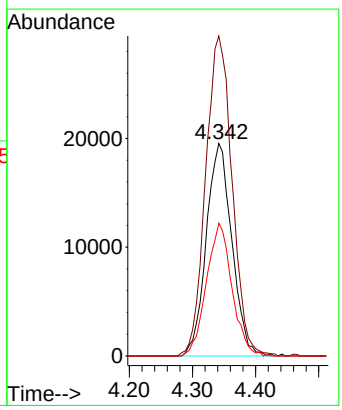
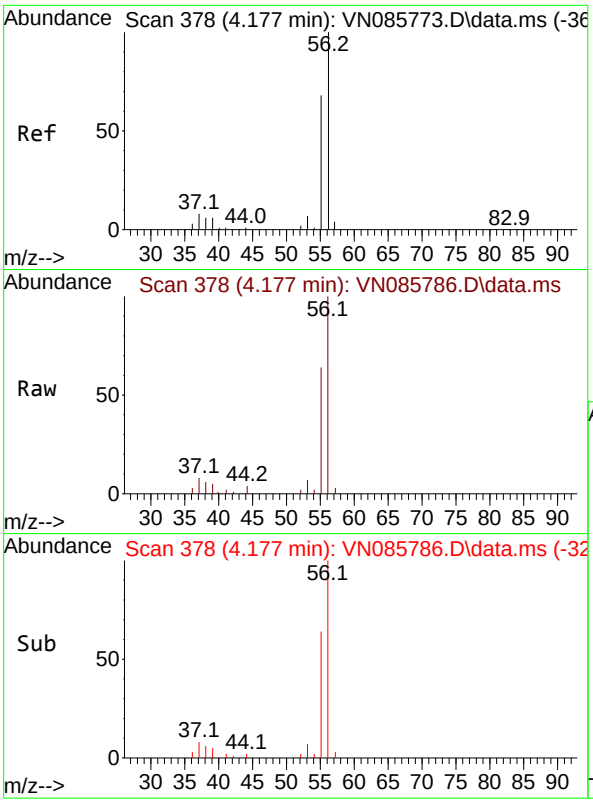


#12
1,1-Dichloroethene
Concen: 17.178 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 96 Resp: 54998

Ion	Ratio	Lower	Upper
96	100		
61	150.6	123.3	184.9
98	62.4	48.6	72.8

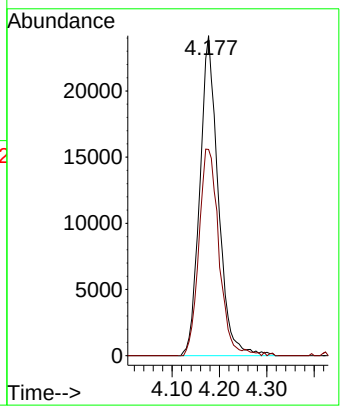




#13
Acrolein
Concen: 94.768 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 56 Resp: 6542

Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.3	82.9



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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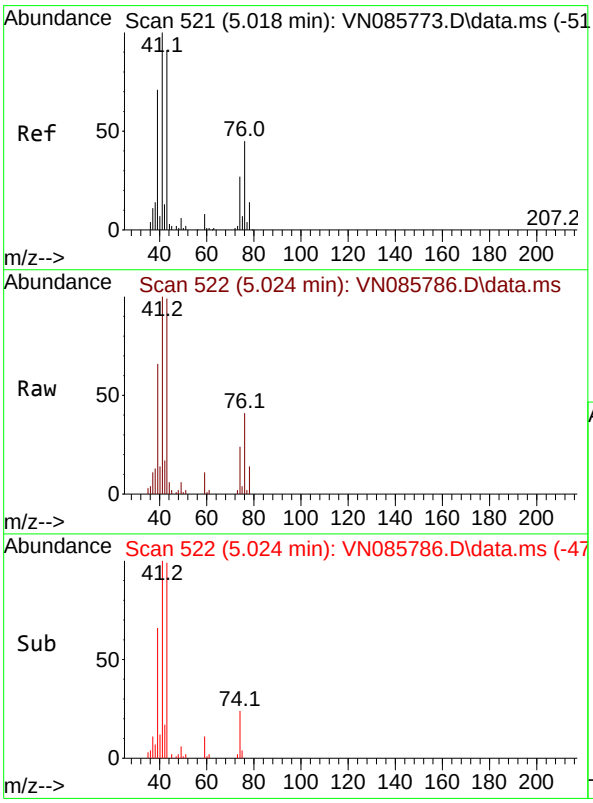
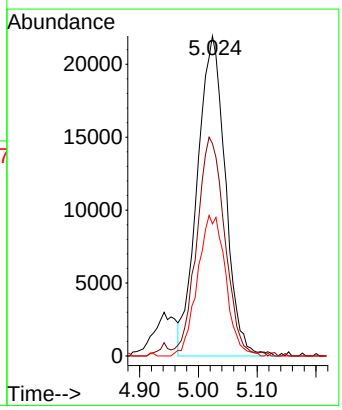
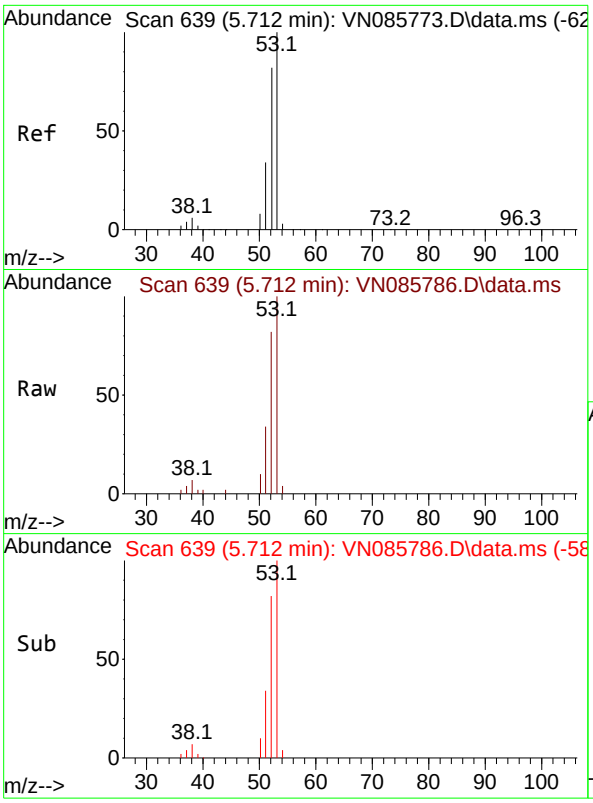


#14
Allyl chloride
Concen: 17.277 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 41 Resp: 72622

Ion	Ratio	Lower	Upper
41	100		
39	68.8	57.4	86.2
76	44.3	36.2	54.2

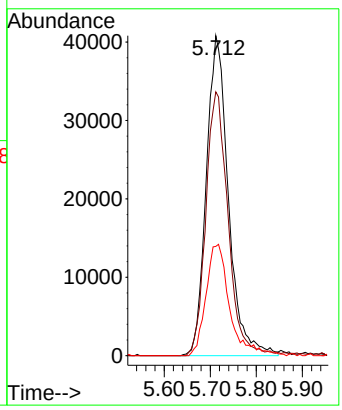




#15
Acrylonitrile
Concen: 90.066 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 53 Resp: 13630

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.6
51	37.2	28.6	42.8



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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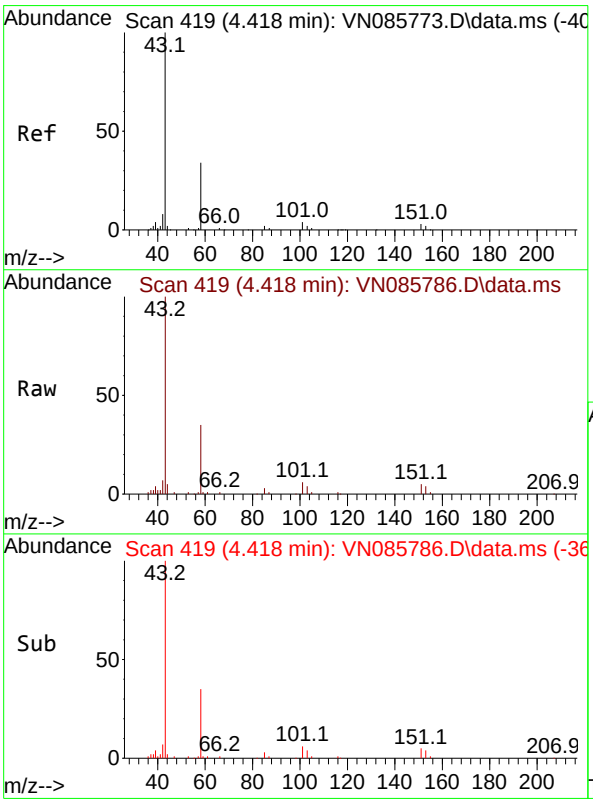
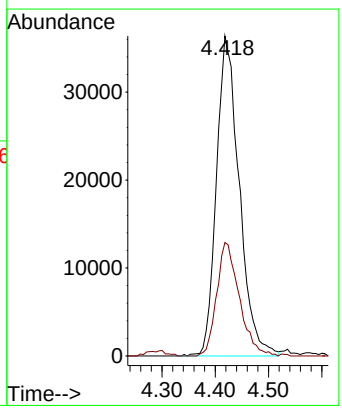
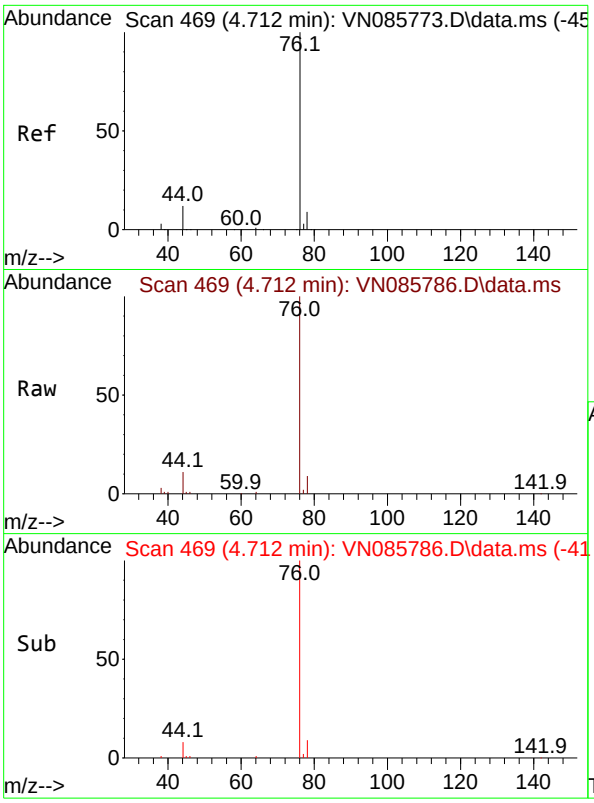


#16
Acetone
Concen: 90.343 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 108199

Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.5	41.3

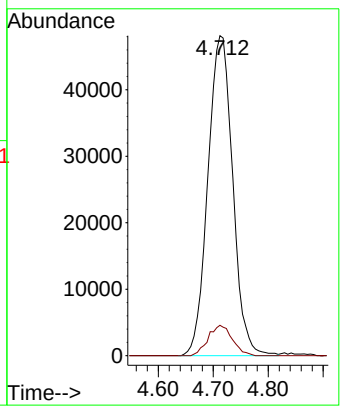




#17
Carbon Disulfide
Concen: 15.924 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 76 Resp: 15109

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0



Instrument :
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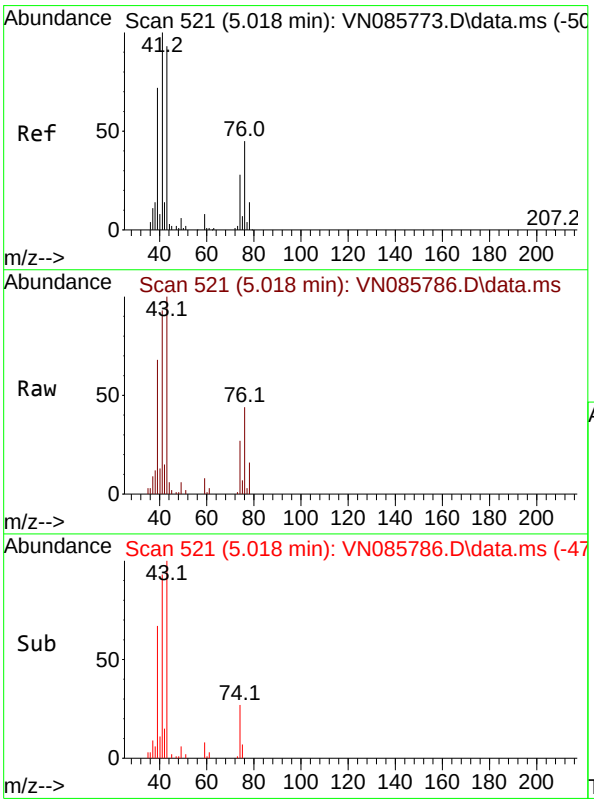
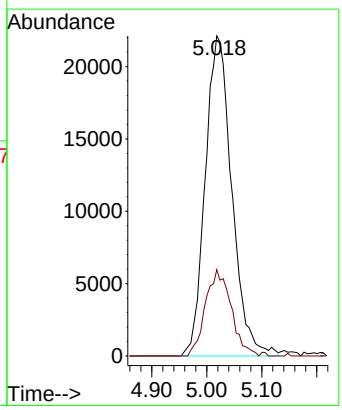
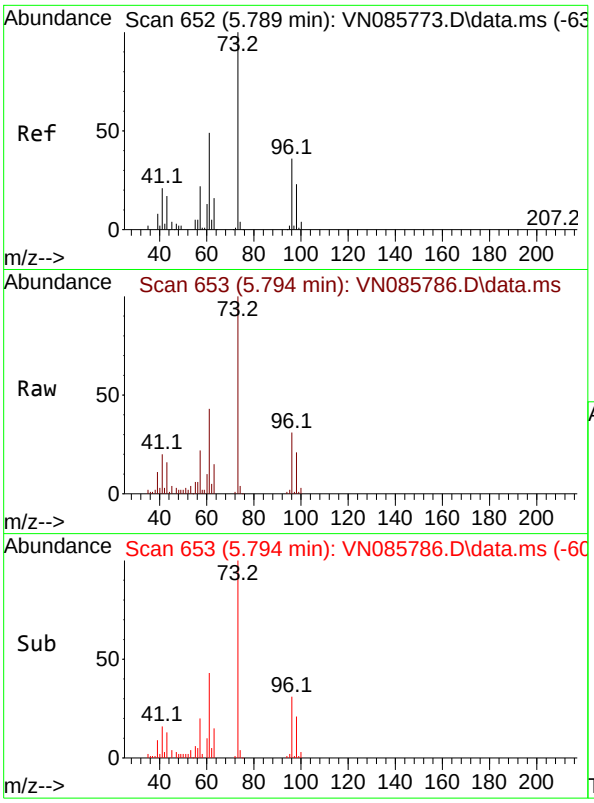


#18
Methyl Acetate
Concen: 18.057 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 74381

Ion	Ratio	Lower	Upper
43	100		
74	25.9	22.2	33.4

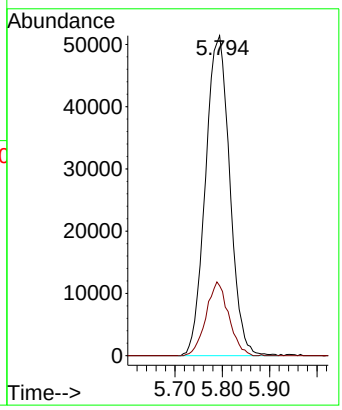




#19
Methyl tert-butyl Ether
Concen: 19.226 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 73 Resp: 18291

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4



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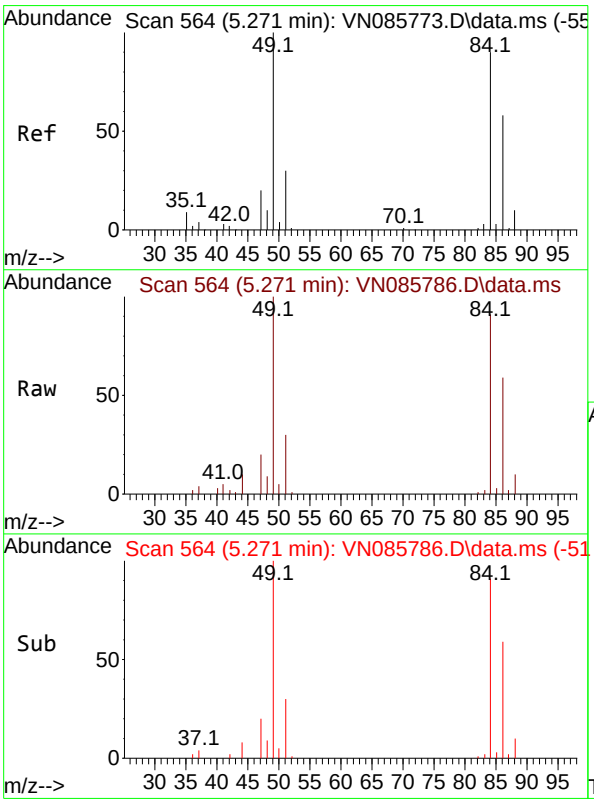
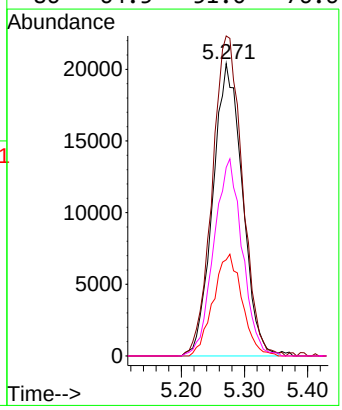
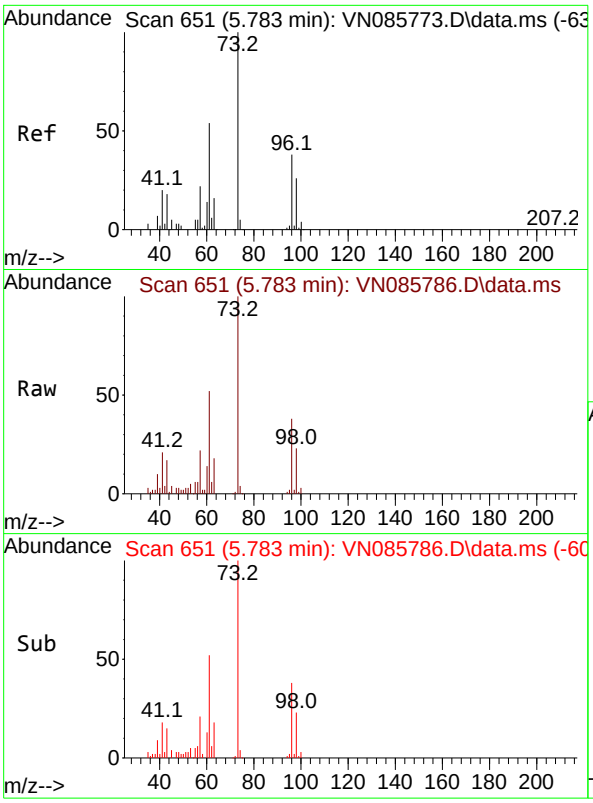


#20
Methylene Chloride
Concen: 17.220 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 84 Resp: 66321

Ion	Ratio	Lower	Upper
84	100		
49	109.5	88.4	132.6
51	32.9	26.6	40.0
86	64.5	51.0	76.6

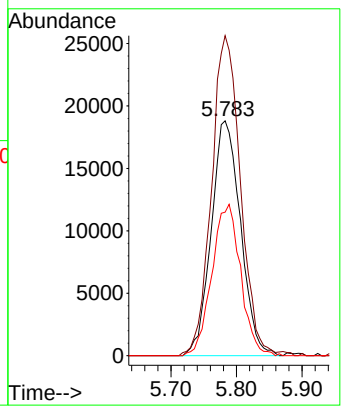




#21
trans-1,2-Dichloroethene
Concen: 16.907 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 96 Resp: 5828

Ion	Ratio	Lower	Upper
96	100		
61	136.3	112.6	168.8
98	61.1	53.3	79.9



Instrument :
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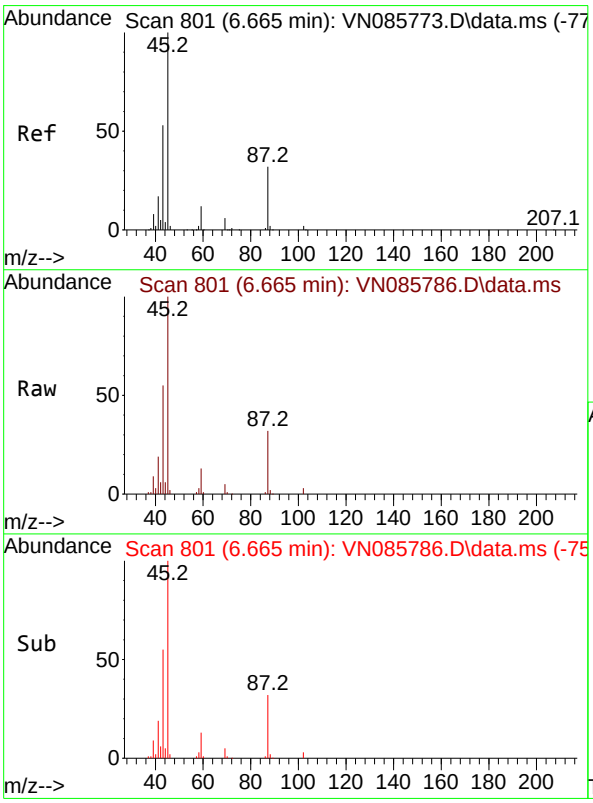
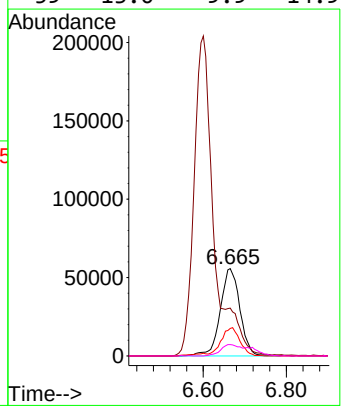
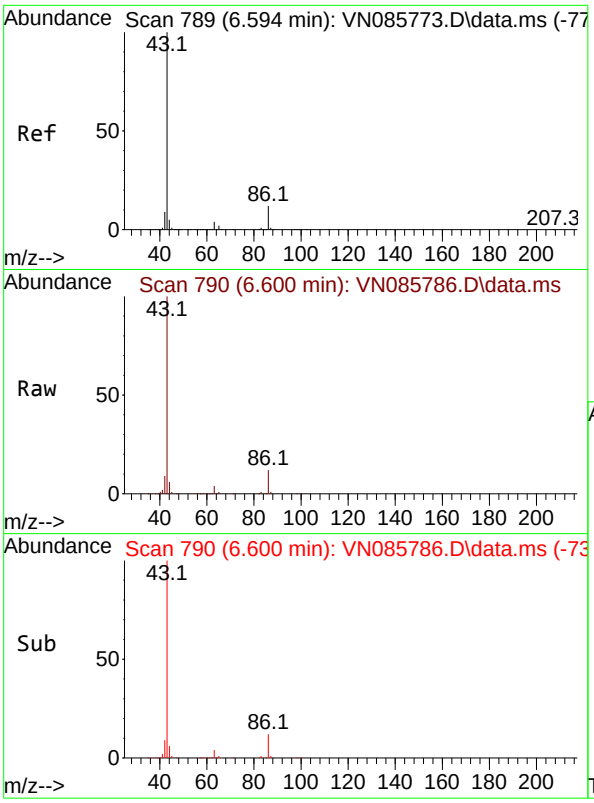


#22
Diisopropyl ether
Concen: 19.235 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 45 Resp: 182697

Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.6	64.0
87	31.5	25.8	38.8
59	13.0	9.9	14.9

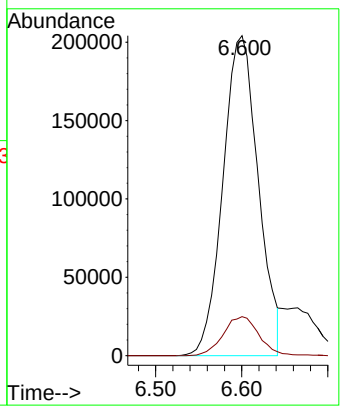




#23
Vinyl Acetate
Concen: 89.569 ug/l m
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 58250

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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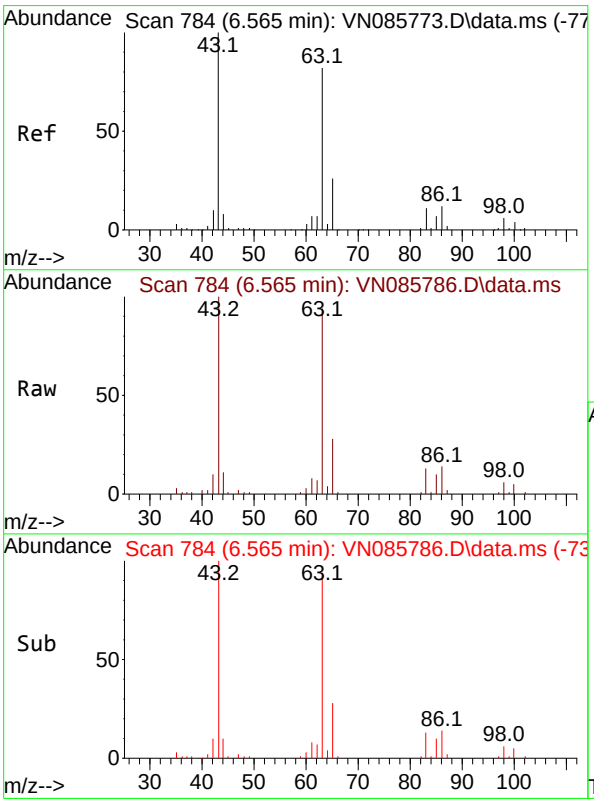
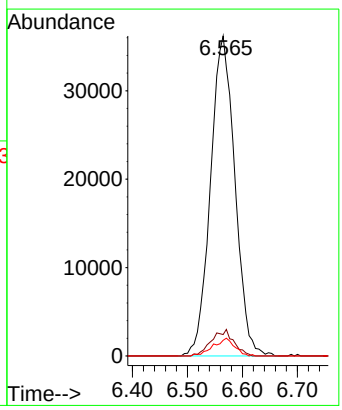
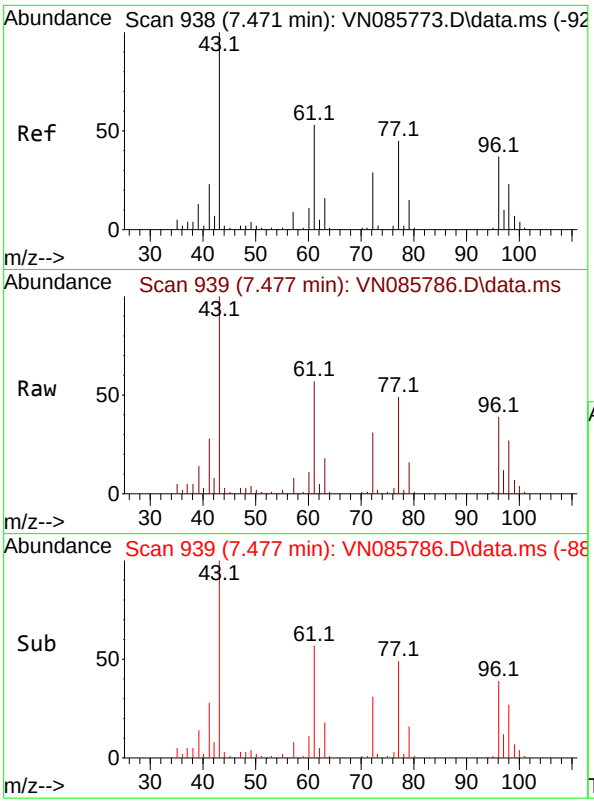


#24
1,1-Dichloroethane
Concen: 17.317 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 63 Resp: 111812

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	4.9	2.4	7.2

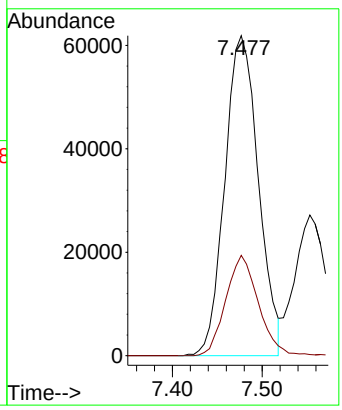




#25
2-Butanone
Concen: 91.422 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 16108

Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.6	35.4



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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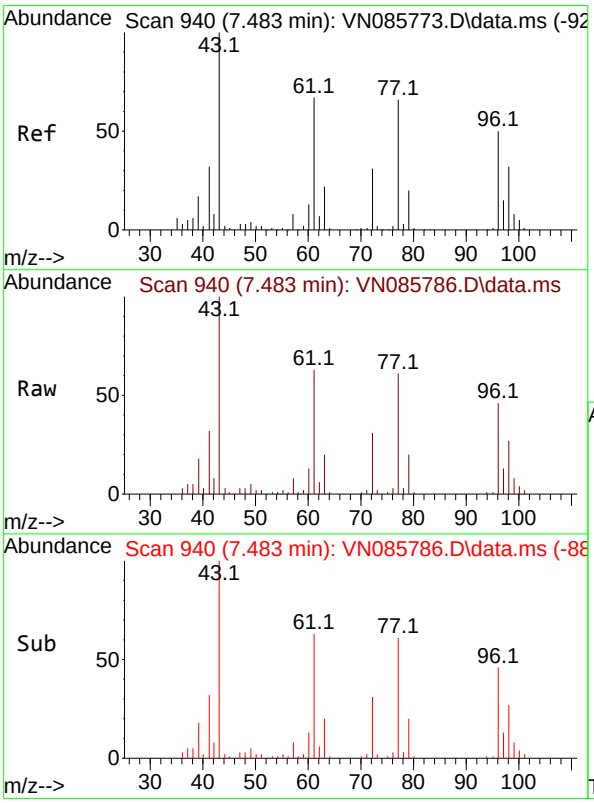
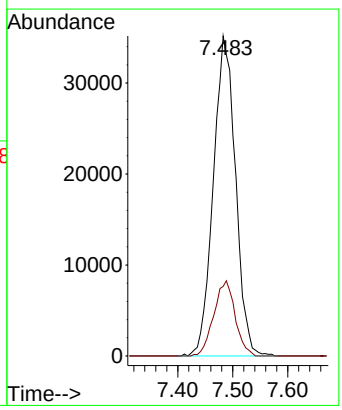
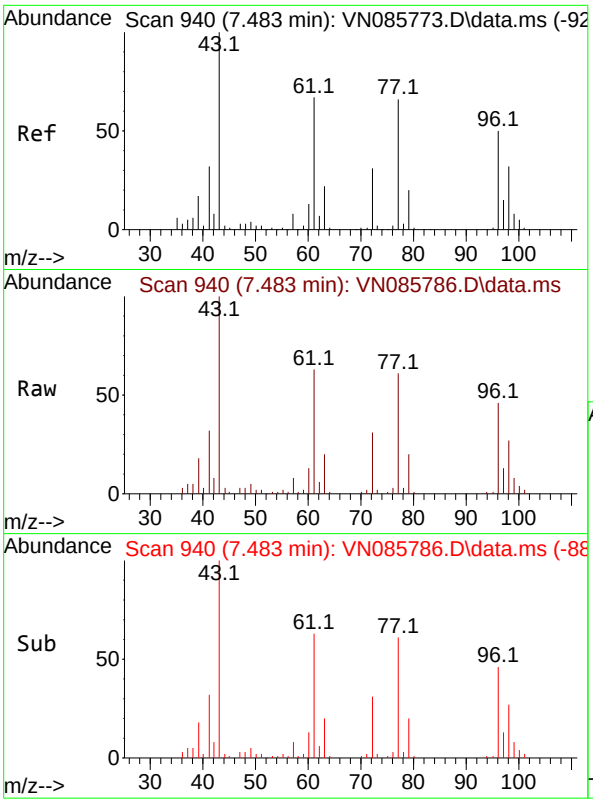


#26
2,2-Dichloropropane
Concen: 17.164 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 77 Resp: 98544

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.3	33.8





#27
cis-1,2-Dichloroethene
Concen: 17.598 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 96 Resp: 7034

Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	280.6
98	63.3	0.0	128.6

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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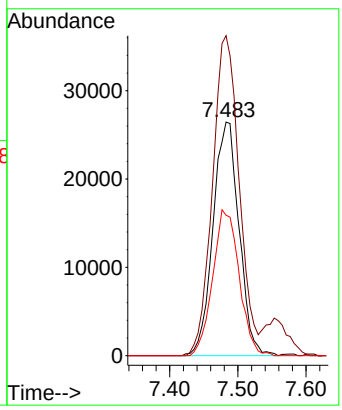
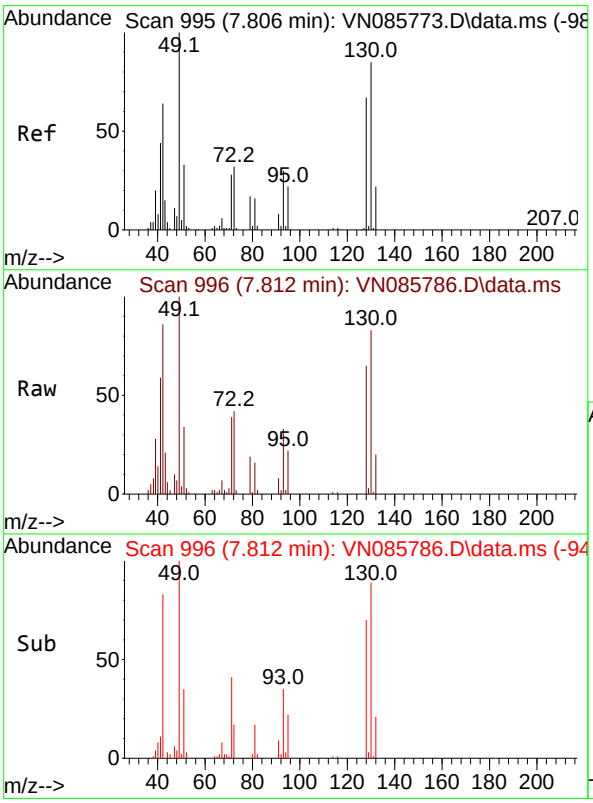
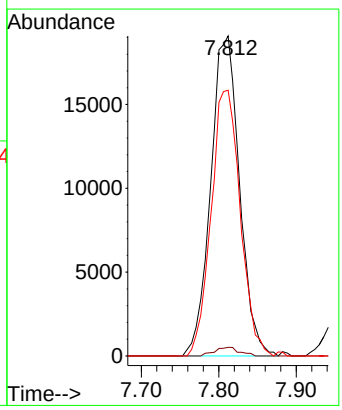


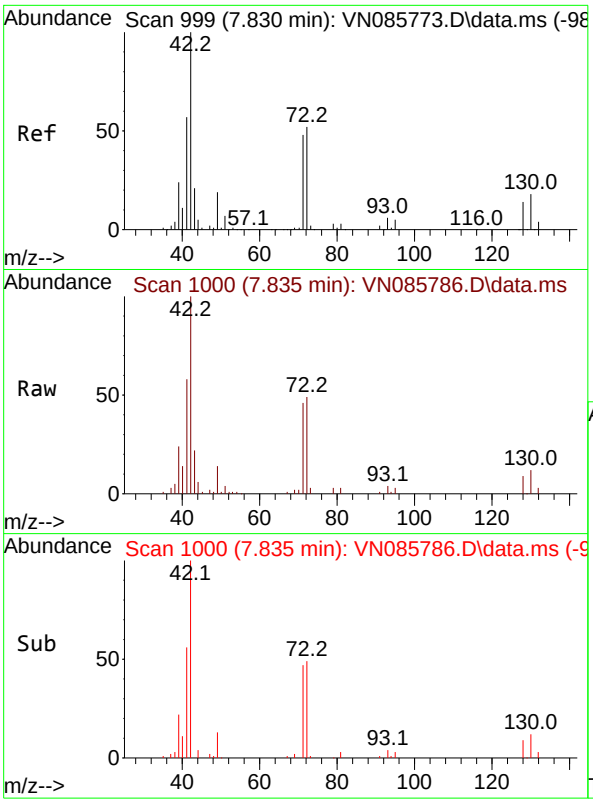


#28
Bromochloromethane
Concen: 18.596 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 49 Resp: 49350

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	84.0	68.0	102.0

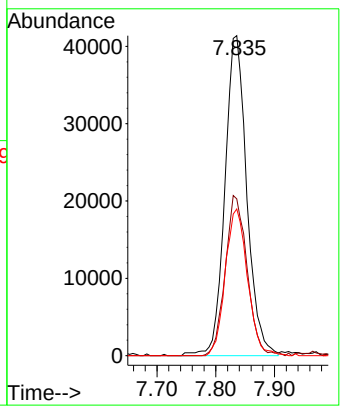




#29
Tetrahydrofuran
Concen: 94.205 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 42 Resp: 10718

Ion	Ratio	Lower	Upper
42	100		
72	49.8	40.0	60.0
71	46.6	37.0	55.4



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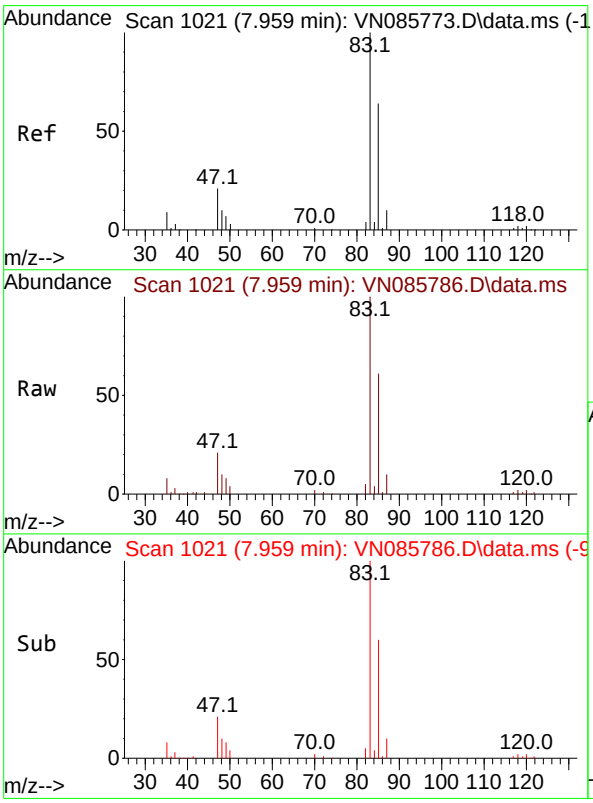
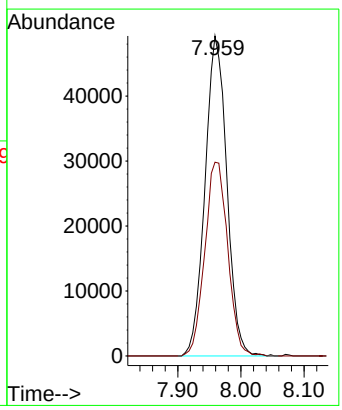
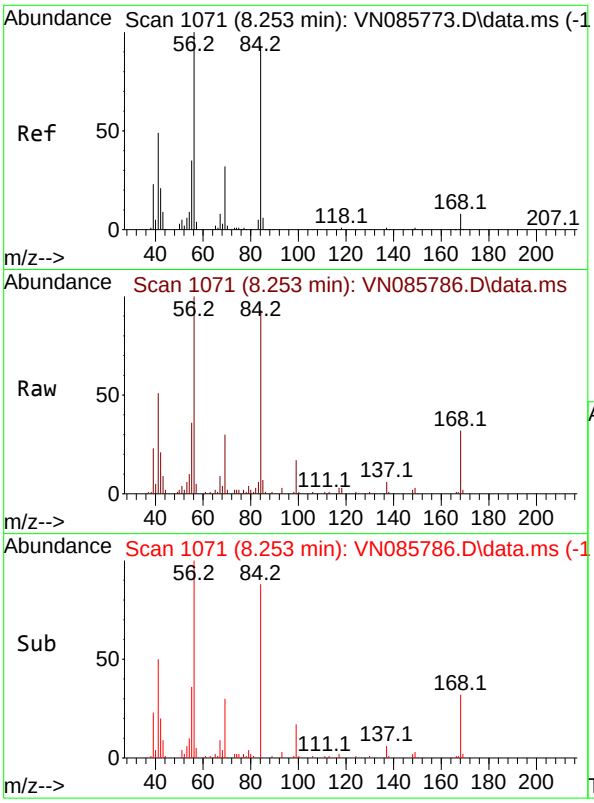


#30
Chloroform
Concen: 17.485 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 83 Resp: 117979

Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.9	76.3

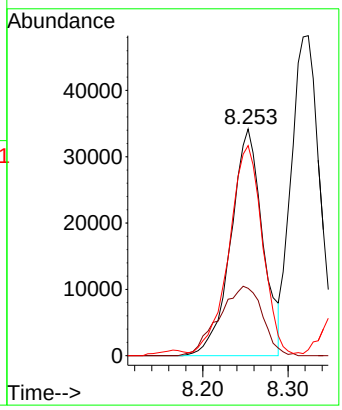




#31
Cyclohexane
Concen: 16.385 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 56 Resp: 8857

Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.8	38.6
84	90.4	74.5	111.7



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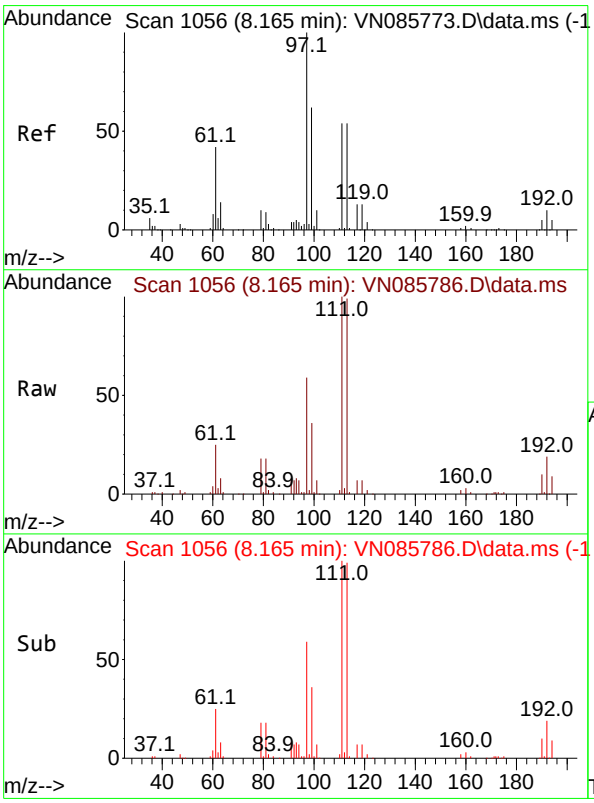
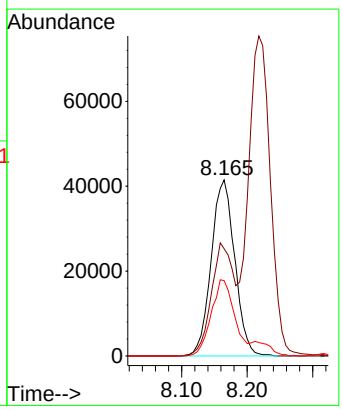
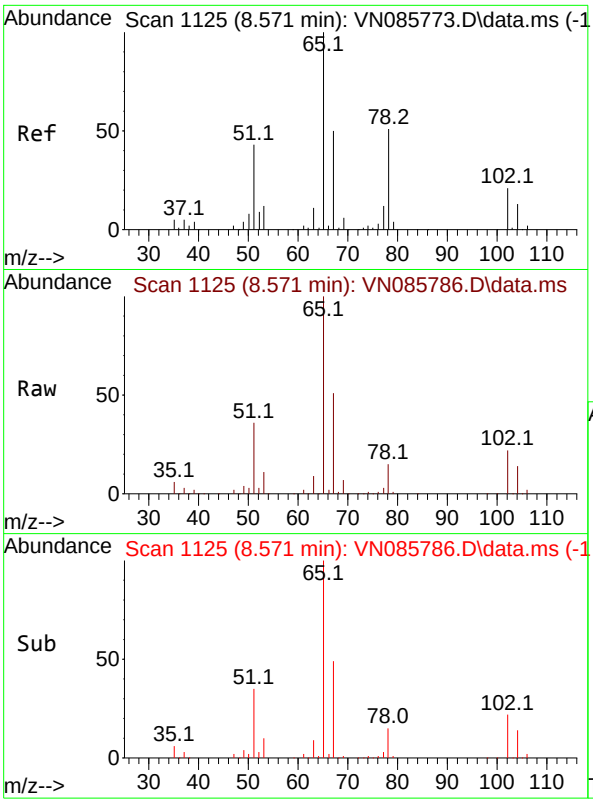


#32
1,1,1-Trichloroethane
Concen: 17.222 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 97 Resp: 103361

Ion	Ratio	Lower	Upper
97	100		
99	59.4	50.4	75.6
61	43.7	35.5	53.3

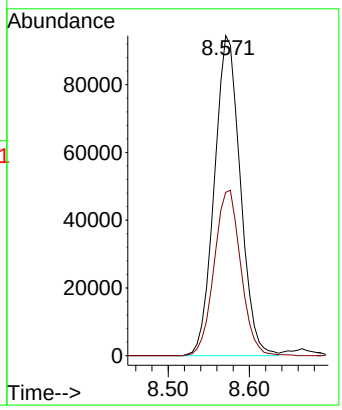




#33
1,2-Dichloroethane-d4
Concen: 55.480 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 65 Resp: 20999

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
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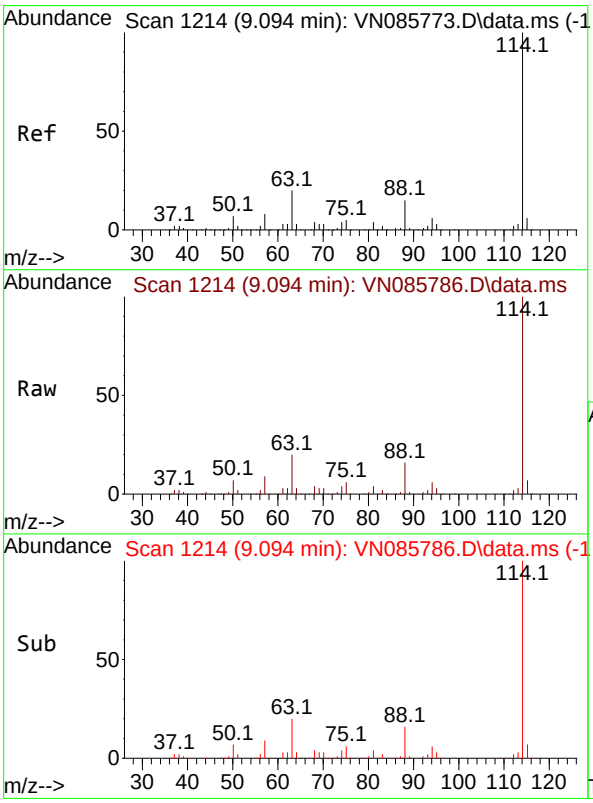
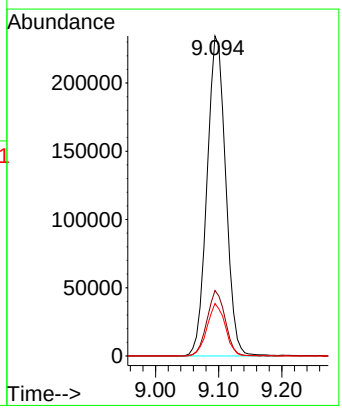
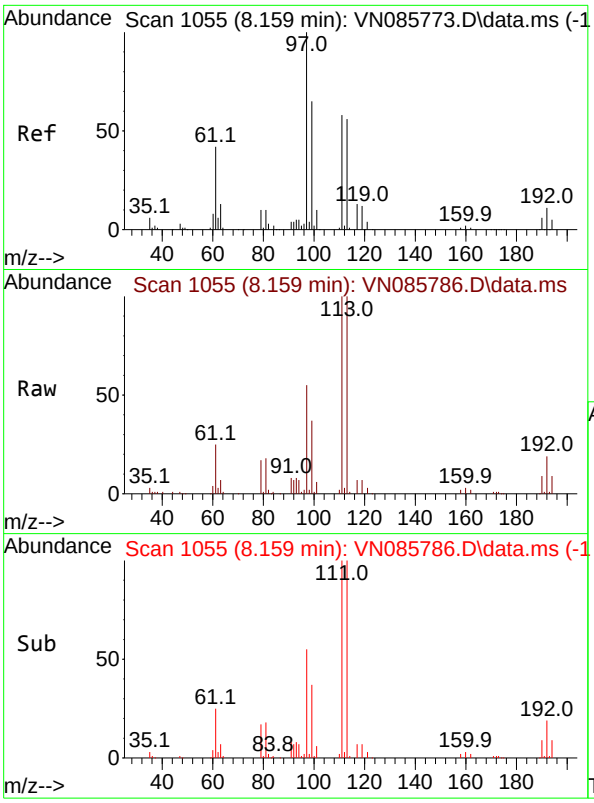


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:114 Resp: 482343

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.2
88	16.4	0.0	30.0

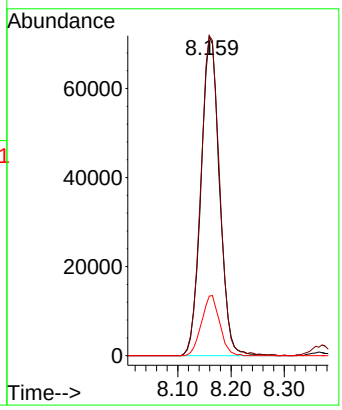




#35
Dibromofluoromethane
Concen: 54.680 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:113 Resp: 17258

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	18.5	14.7	22.1



Instrument :
MSVOA_N
ClientSampleId :
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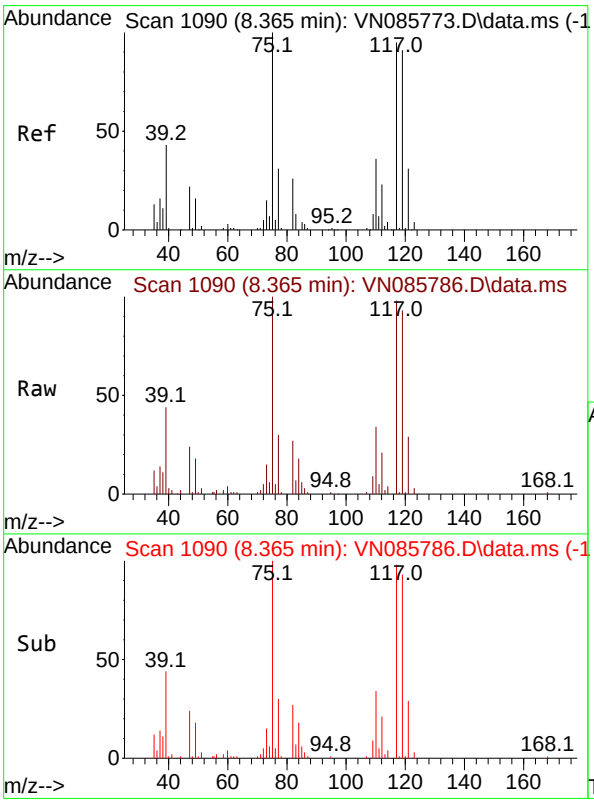
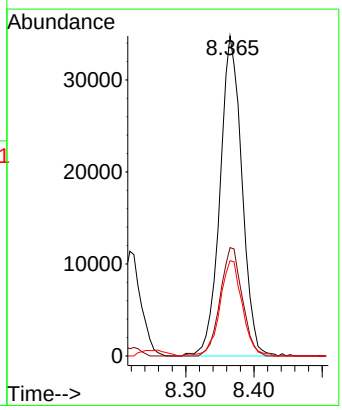
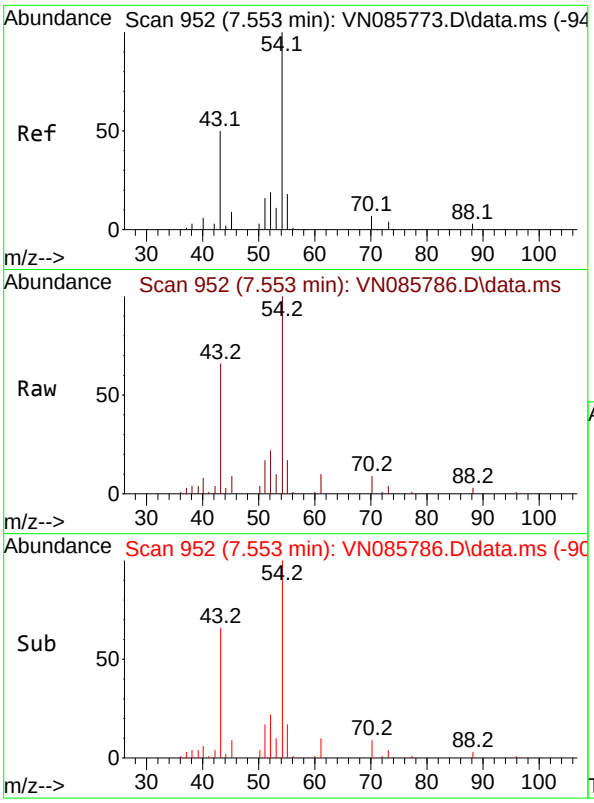


#36
1,1-Dichloropropene
Concen: 17.443 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 77917

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.6	24.6	37.0





#37
Ethyl Acetate
Concen: 18.989 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 6980

Ion	Ratio	Lower	Upper
43	100		
61	13.2	12.2	18.2
70	12.6	9.5	14.3

Instrument :
MSVOA_N
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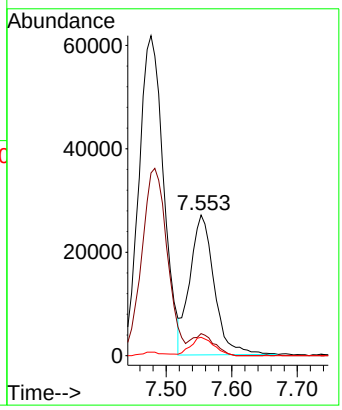
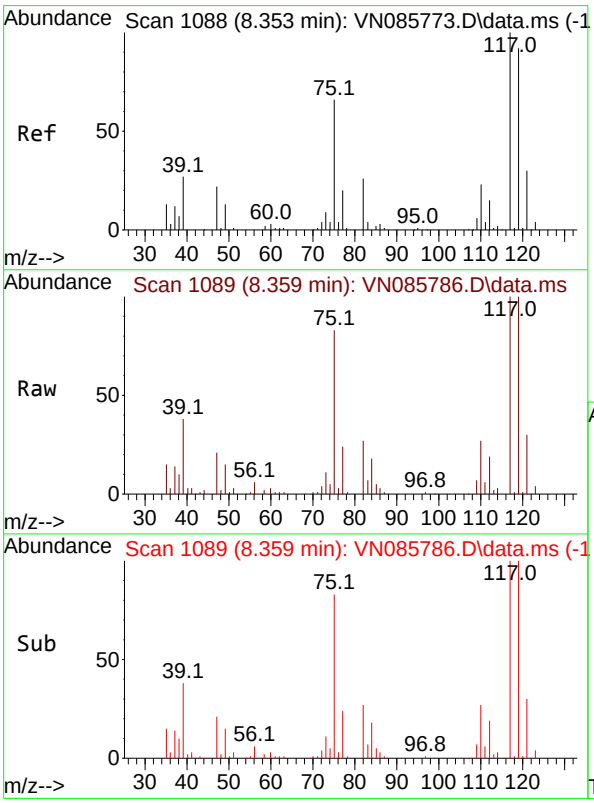
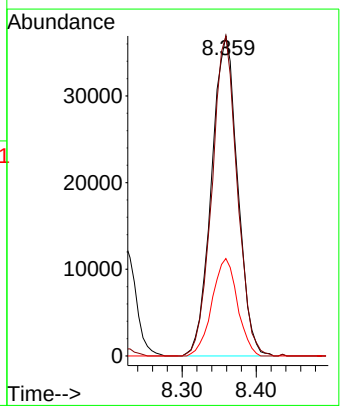


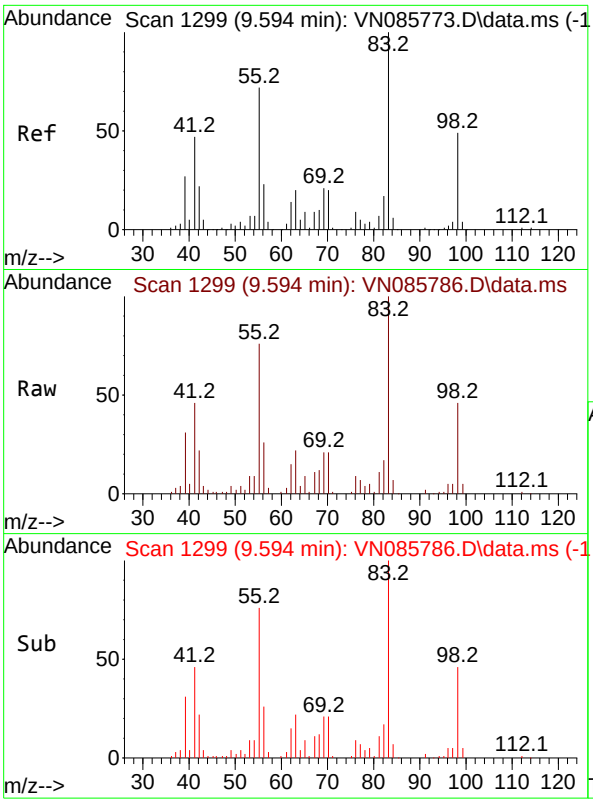


#38
Carbon Tetrachloride
Concen: 17.028 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:117 Resp: 90380

Ion	Ratio	Lower	Upper
117	100		
119	100.0	73.8	110.6
121	30.4	24.3	36.5

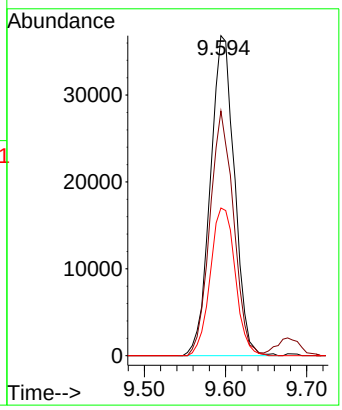




#39
Methylcyclohexane
Concen: 17.306 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 83 Resp: 7594

Ion	Ratio	Lower	Upper
83	100		
55	76.5	57.5	86.3
98	46.1	39.2	58.8



Instrument :
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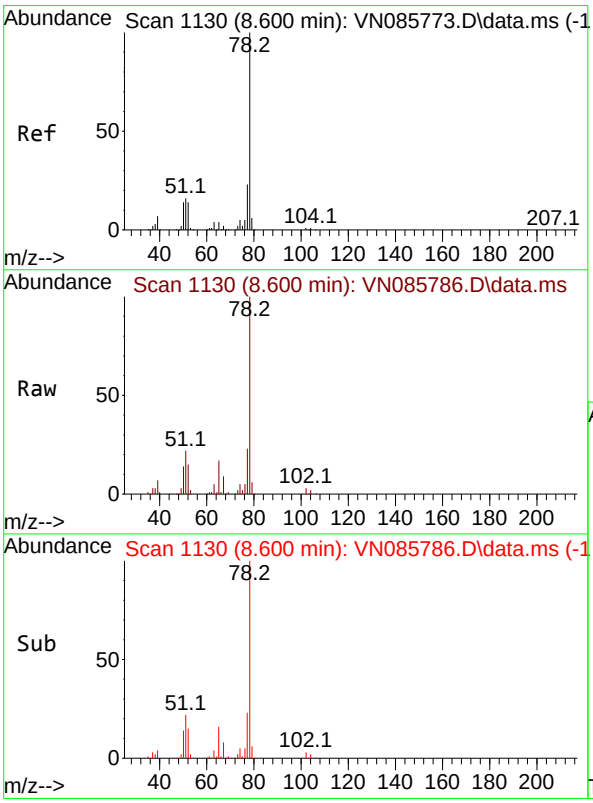
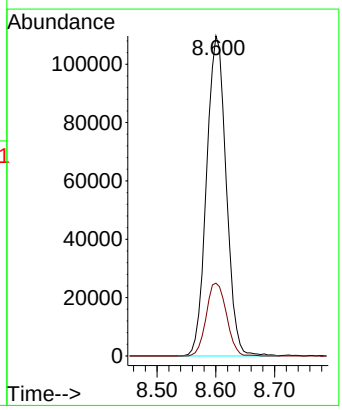
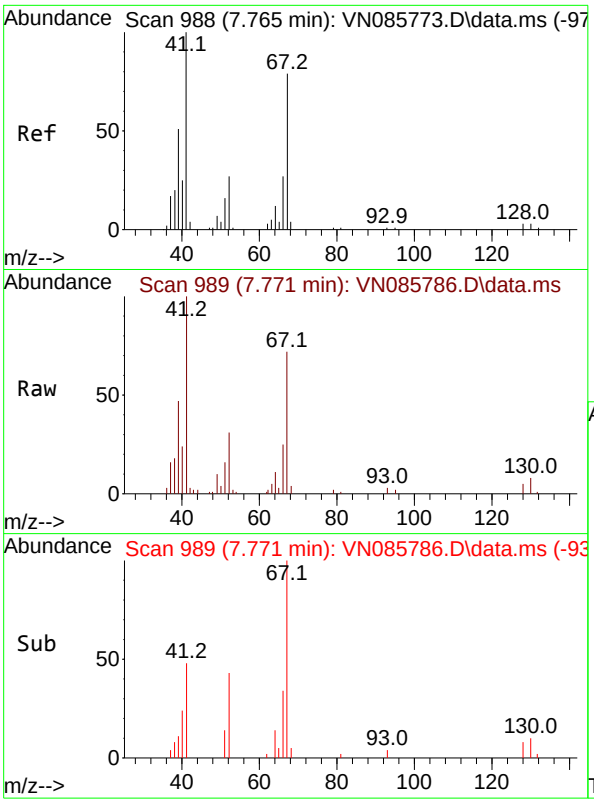


#40
Benzene
Concen: 17.778 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 78 Resp: 254524

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.3	27.5

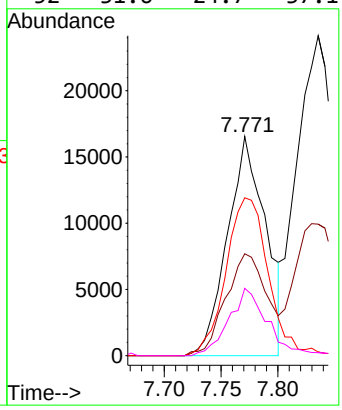




#41
Methacrylonitrile
Concen: 19.644 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 41 Resp: 3860

Ion	Ratio	Lower	Upper
41	100		
39	50.2	42.0	63.0
67	80.0	64.2	96.4
52	31.6	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
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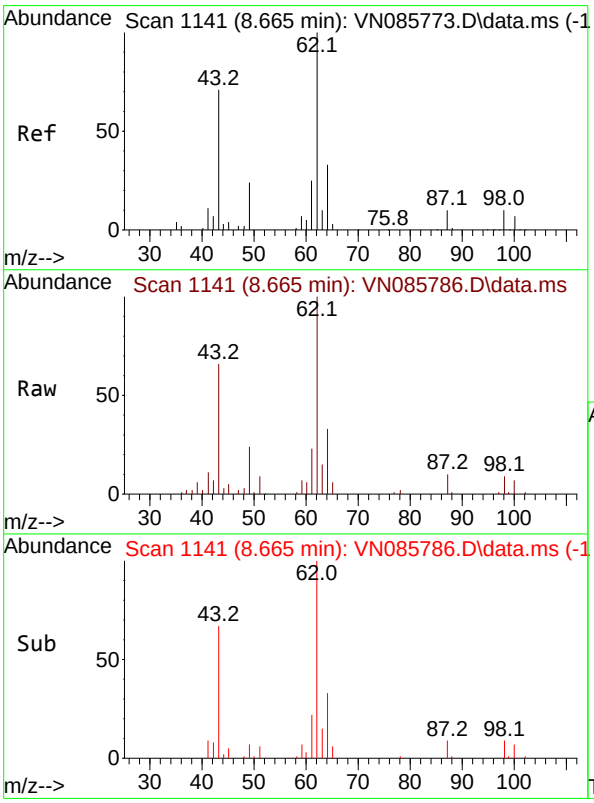
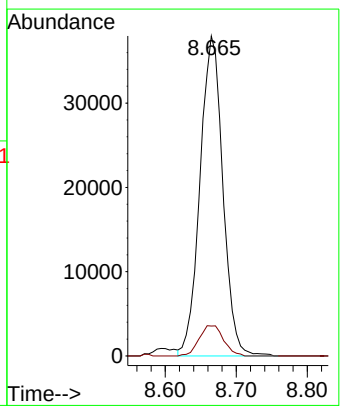
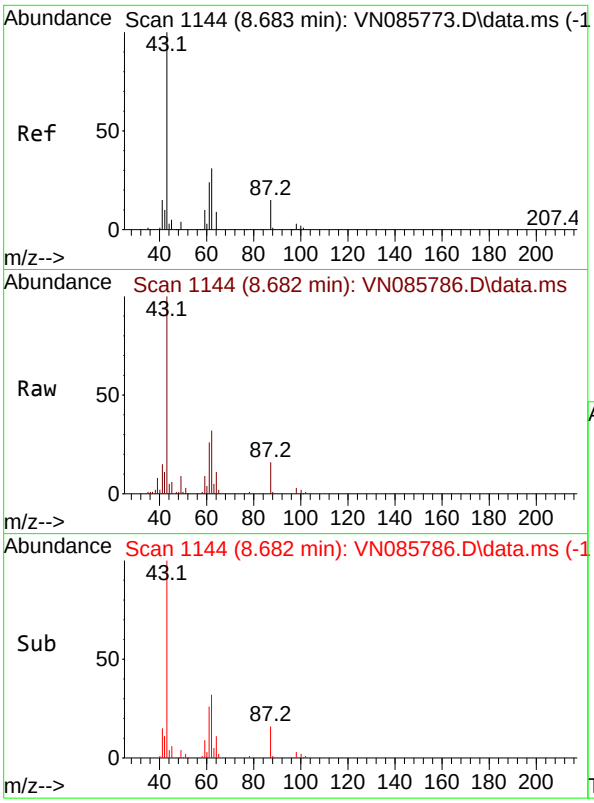


#42
1,2-Dichloroethane
Concen: 18.234 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 62 Resp: 85033

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6

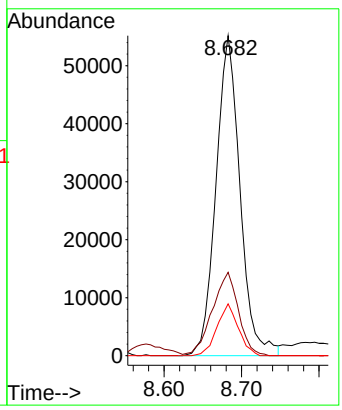




#43
Isopropyl Acetate
Concen: 18.120 ug/l
RT: 8.682 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 11914

Ion	Ratio	Lower	Upper
43	100		
61	28.2	22.6	34.0
87	14.4	11.8	17.8



Instrument :
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ClientSampleId :
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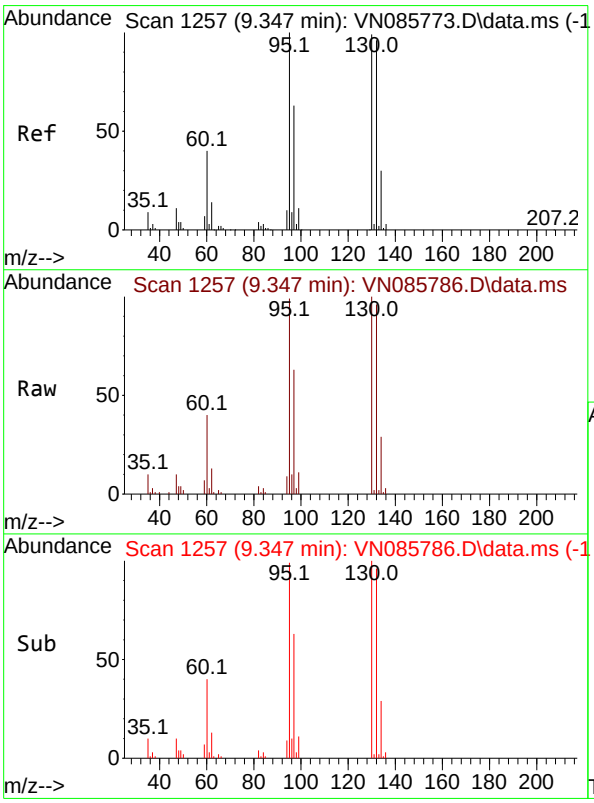
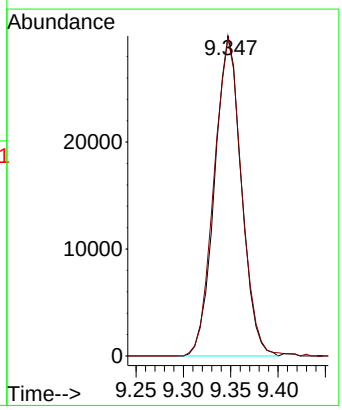
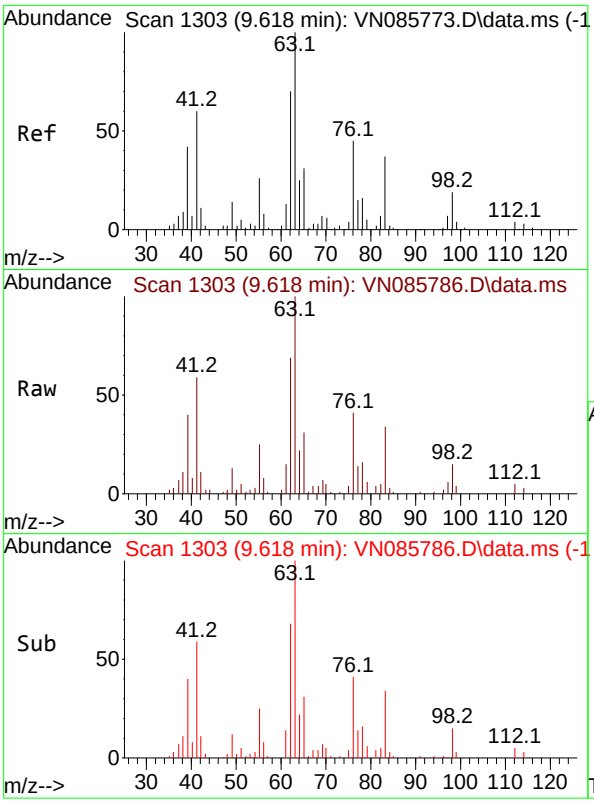


#44
Trichloroethene
Concen: 16.727 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:130 Resp: 58797

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	202.6

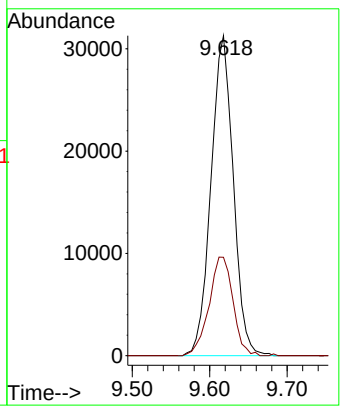




#45
1,2-Dichloropropane
Concen: 18.123 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 63 Resp: 6262

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
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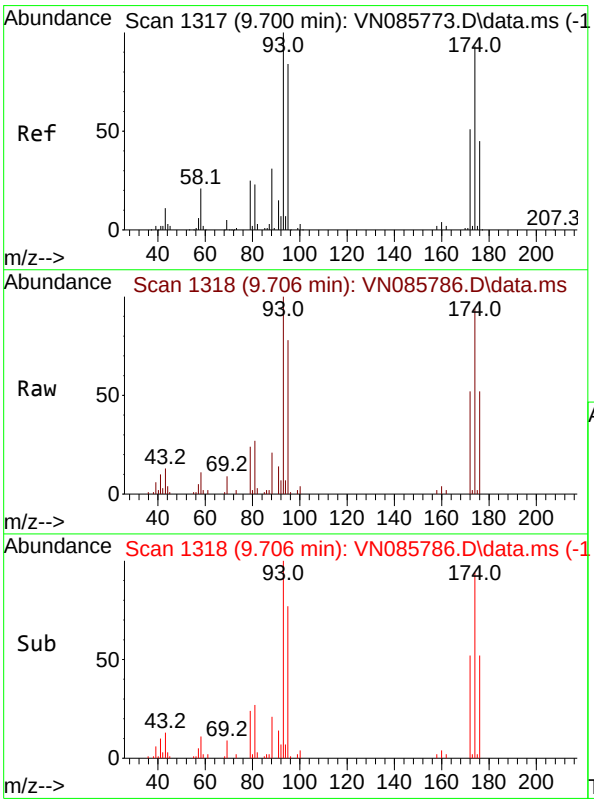
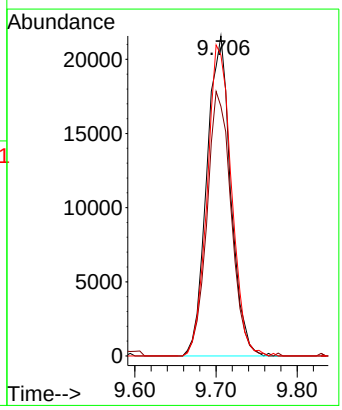
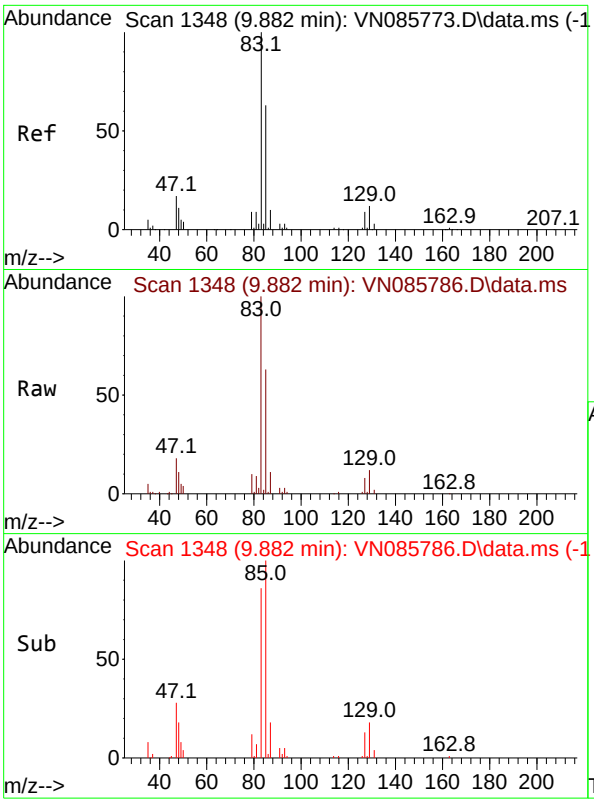


#46
Dibromomethane
Concen: 18.140 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 93 Resp: 44217

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	98.6	77.2	115.8

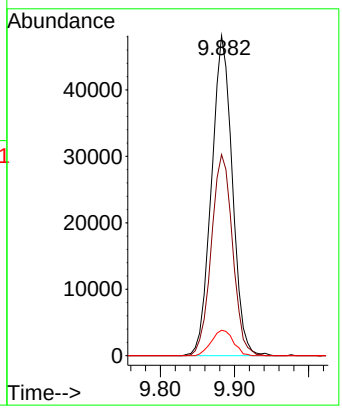




#47
Bromodichloromethane
Concen: 18.014 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 83 Resp: 9394

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.5	75.7
127	7.9	7.2	10.8



Instrument :
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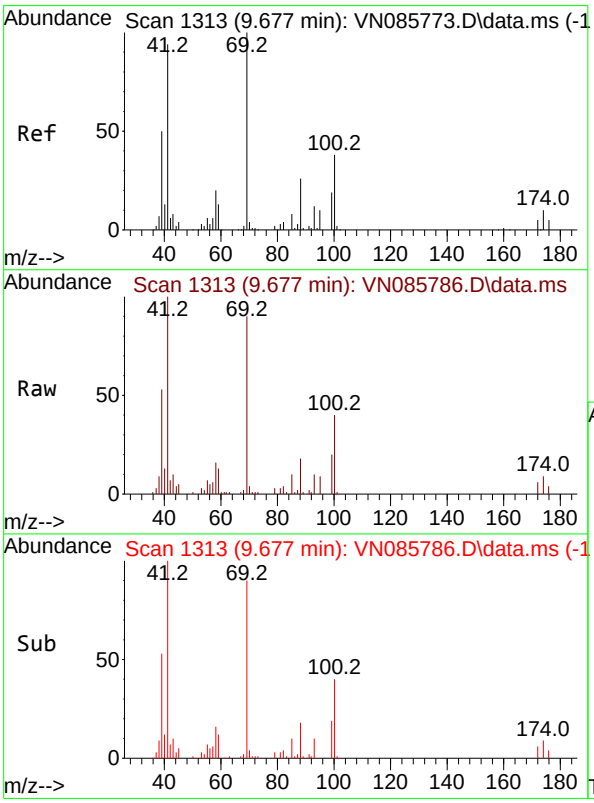
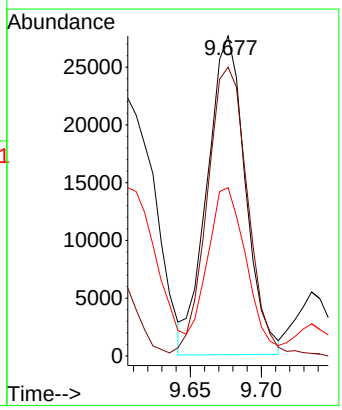
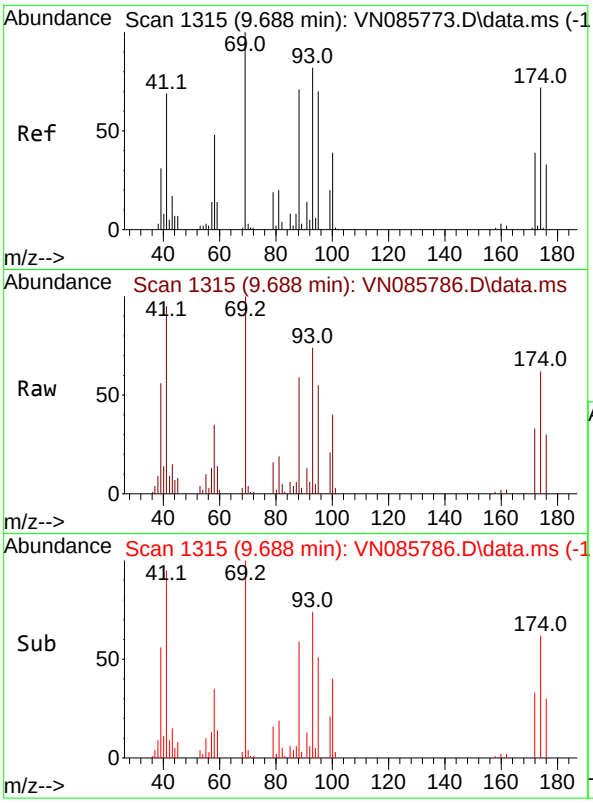


#48
Methyl methacrylate
Concen: 18.903 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 41 Resp: 51605

Ion	Ratio	Lower	Upper
41	100		
69	96.5	76.0	114.0
39	53.7	42.3	63.5

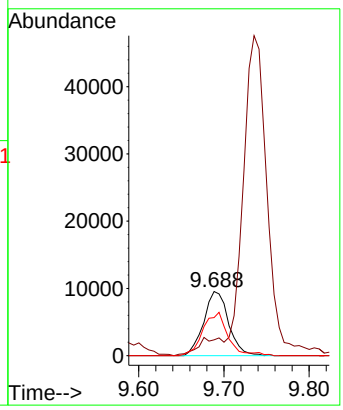




#49
1,4-Dioxane
Concen: 373.170 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 88 Resp: 1937

Ion	Ratio	Lower	Upper
88	100		
43	19.2	18.6	27.8
58	67.9	56.7	85.1



Instrument :
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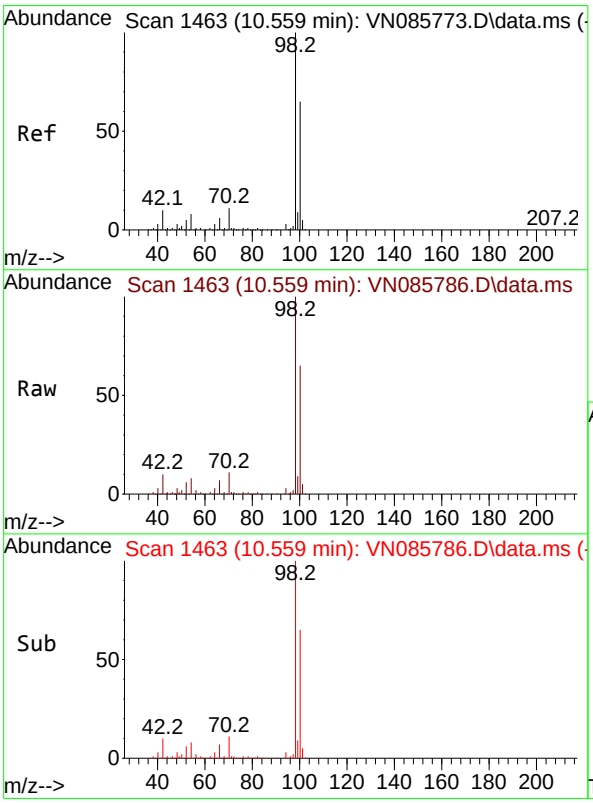
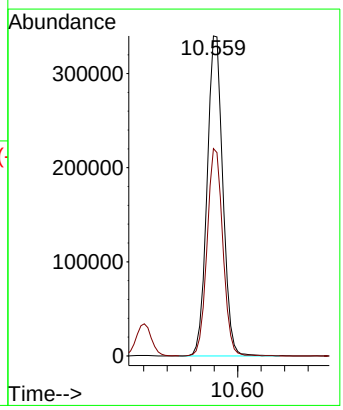
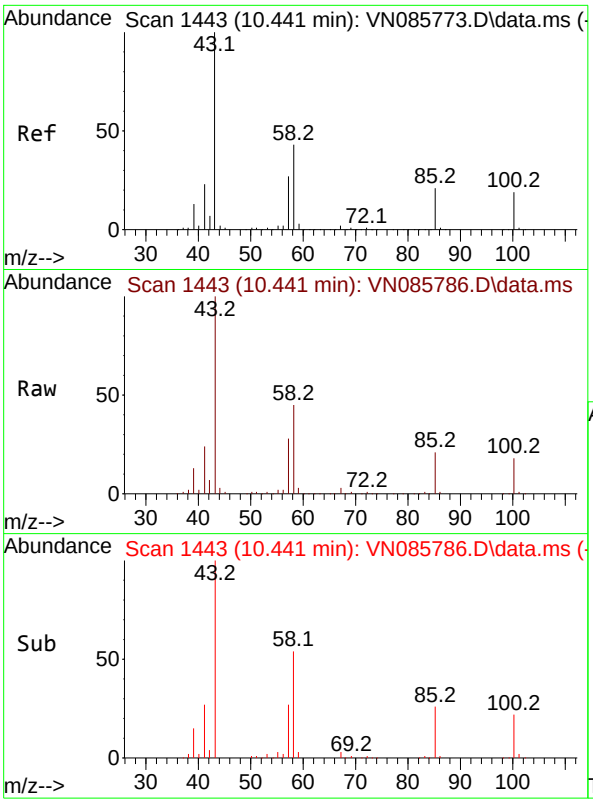


#50
Toluene-d8
Concen: 55.125 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 98 Resp: 633017

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 96.260 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 34116

Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.6	52.0

Instrument :
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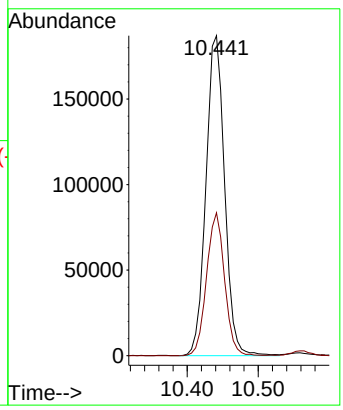
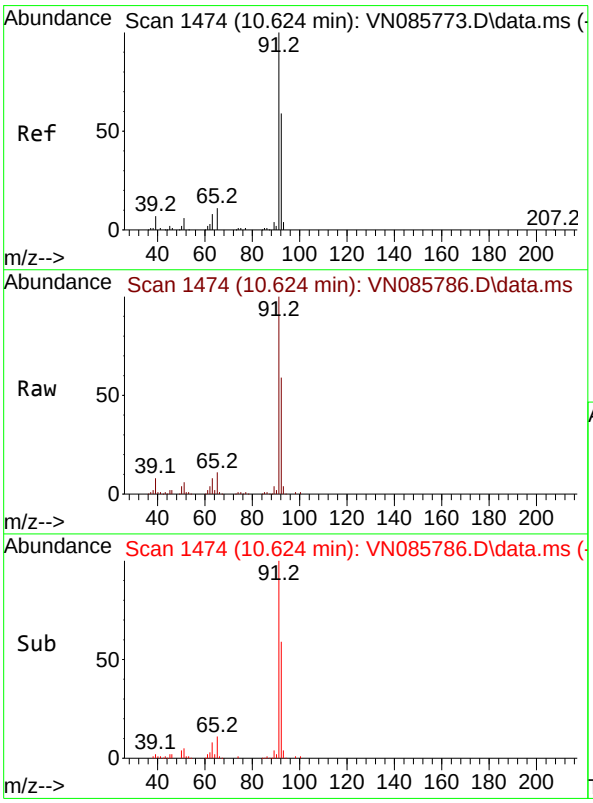
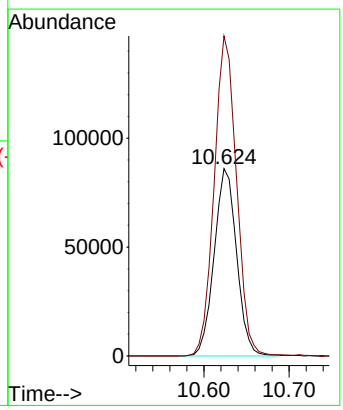


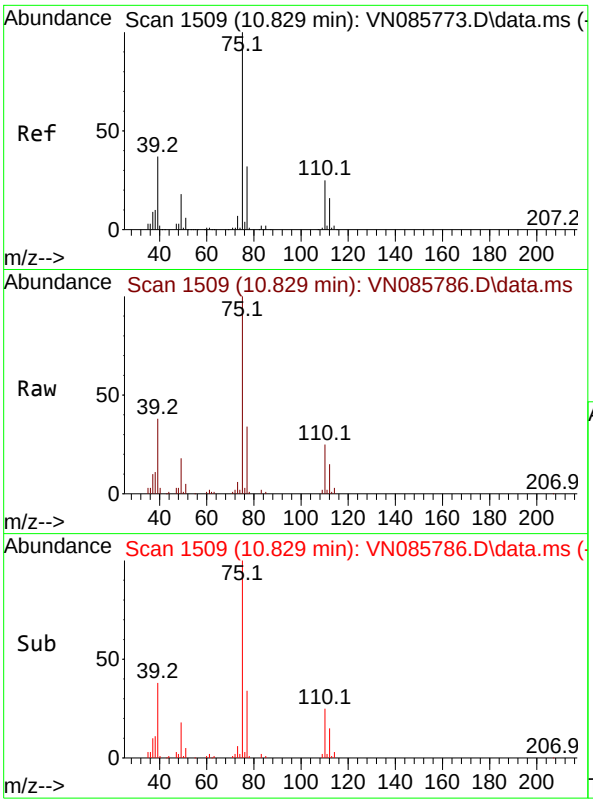


#52
Toluene
Concen: 18.780 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 92 Resp: 157605

Ion	Ratio	Lower	Upper
92	100		
91	170.3	136.9	205.3





#53
t-1,3-Dichloropropene
Concen: 18.698 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 9016

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
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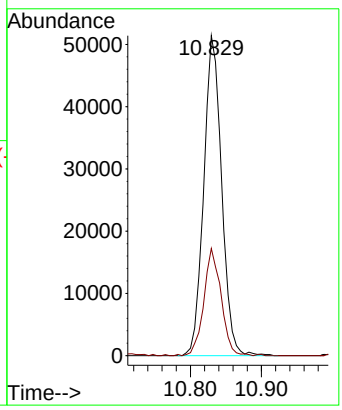
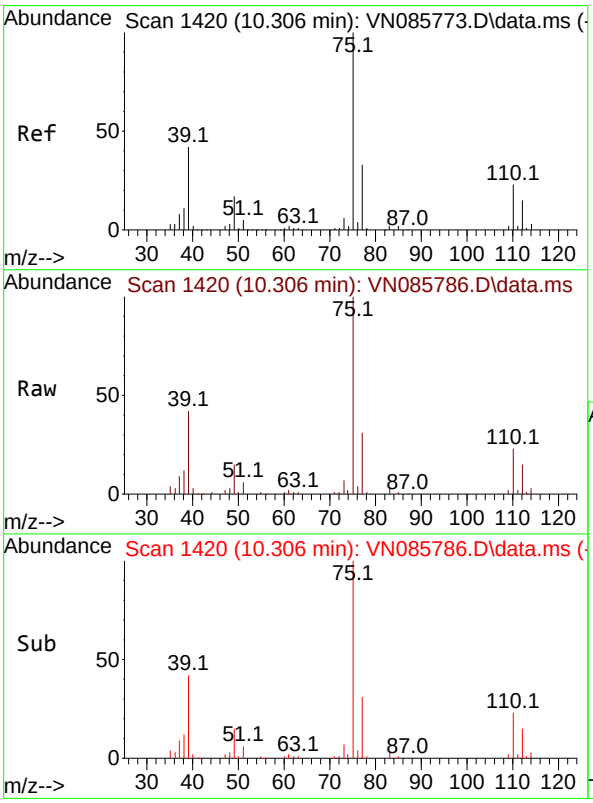
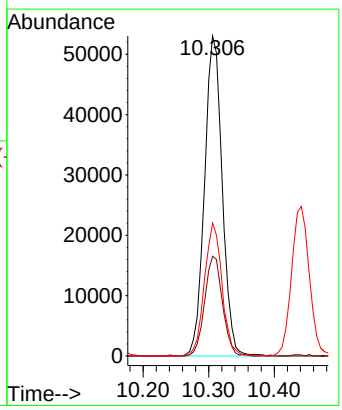


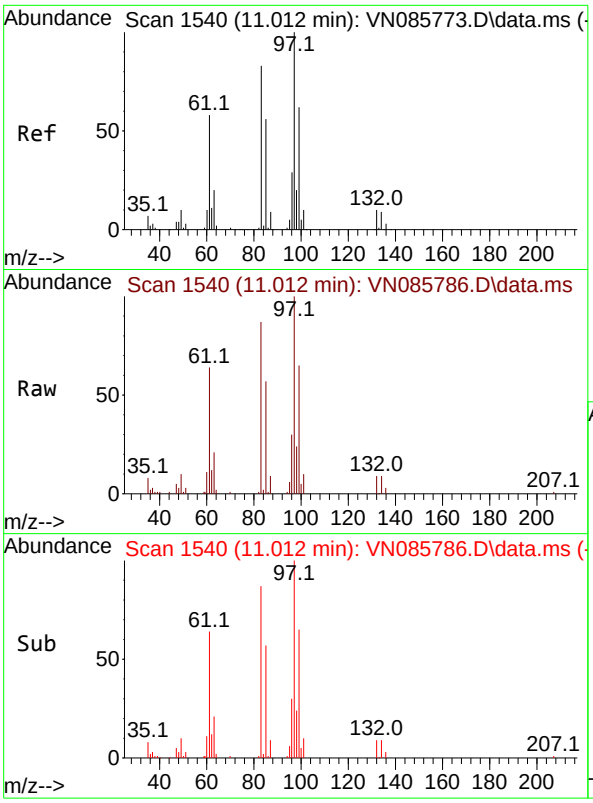


#54
cis-1,3-Dichloropropene
Concen: 18.825 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 99549

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.1	39.1
39	41.5	33.4	50.0

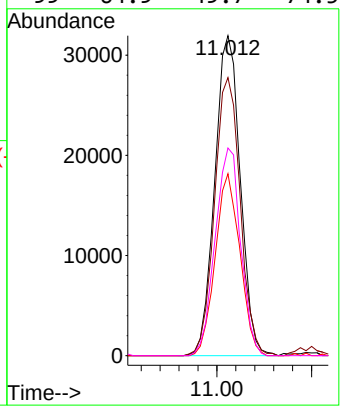




#55
1,1,2-Trichloroethane
Concen: 17.898 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 97 Resp: 5972

Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.1	99.1
85	56.9	44.7	67.1
99	64.9	49.7	74.5



Instrument :
MSVOA_N
ClientSampleId :
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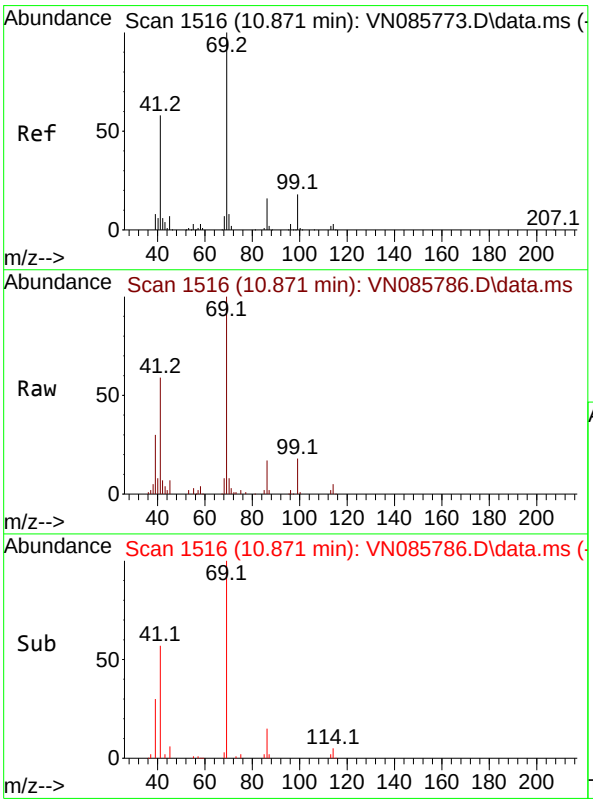
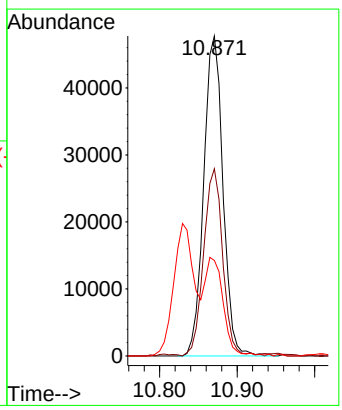
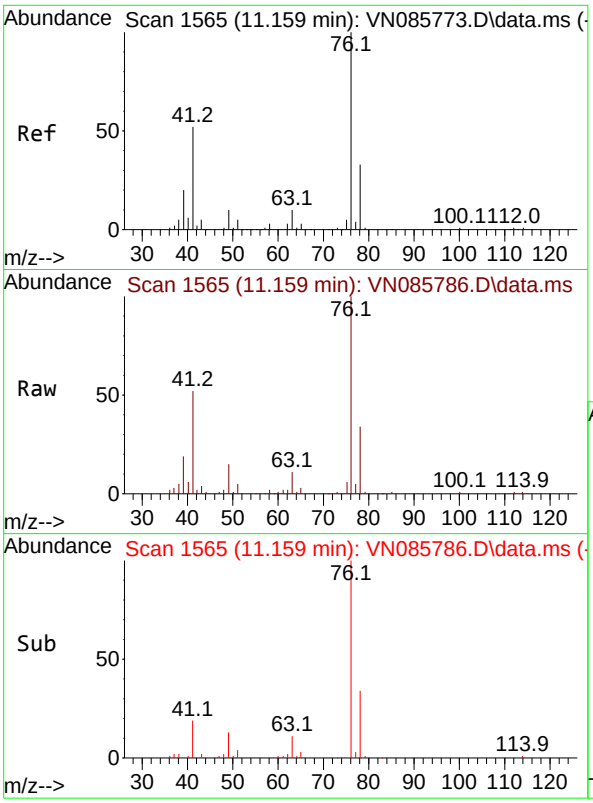


#56
Ethyl methacrylate
Concen: 18.745 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 69 Resp: 82232

Ion	Ratio	Lower	Upper
69	100		
41	58.0	46.0	69.0
39	29.2	22.0	33.0

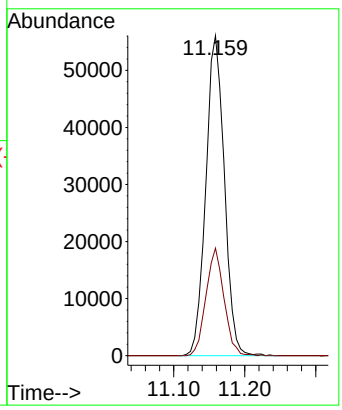




#57
1,3-Dichloropropane
Concen: 18.263 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 76 Resp: 10172

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9



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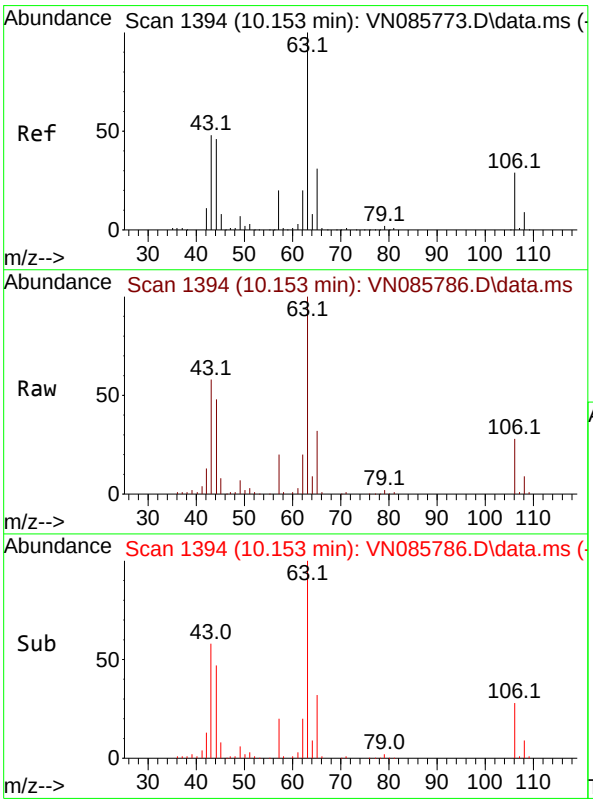
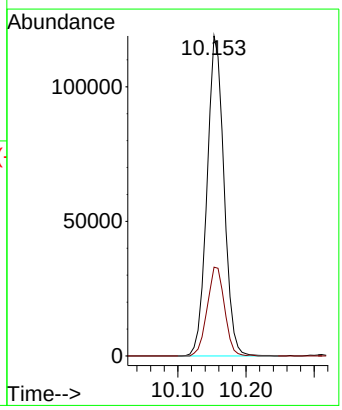
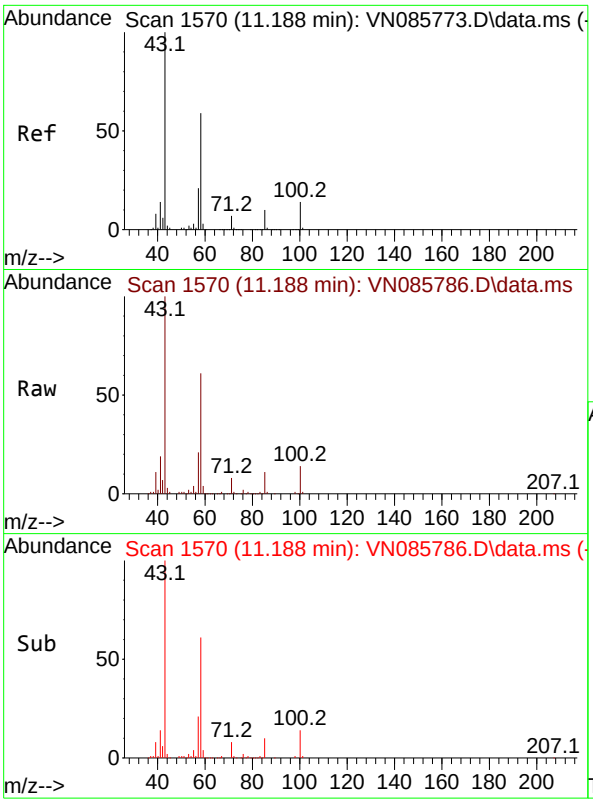


#58
2-Chloroethyl Vinyl ether
Concen: 127.372 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 63 Resp: 205579

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.7	34.1





#59
2-Hexanone
Concen: 97.555 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 23785

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.8	89.5

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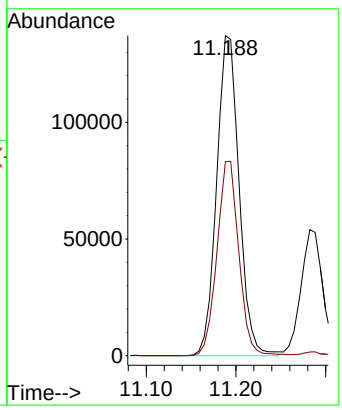
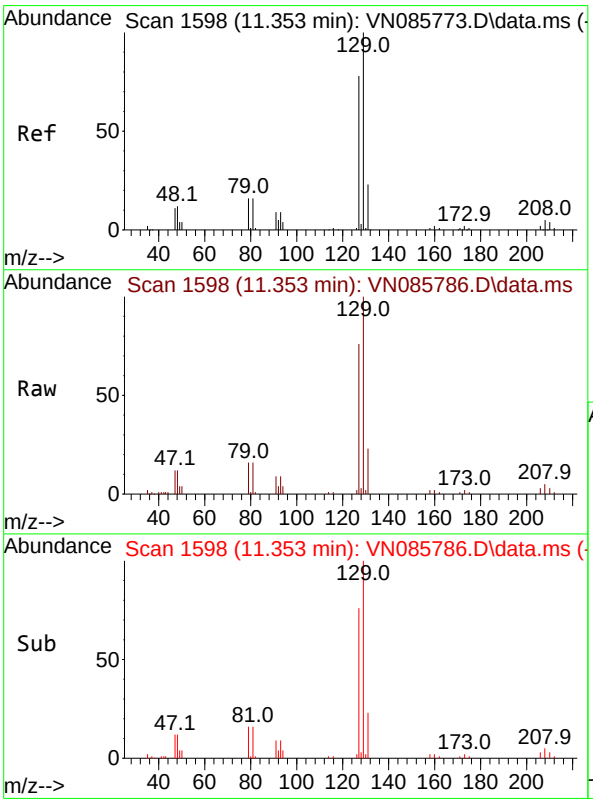
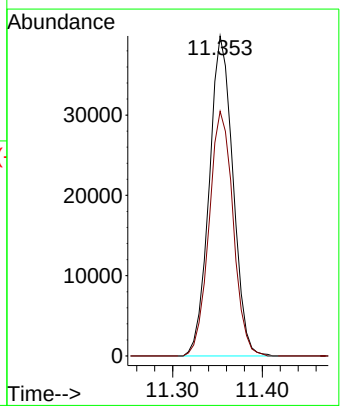


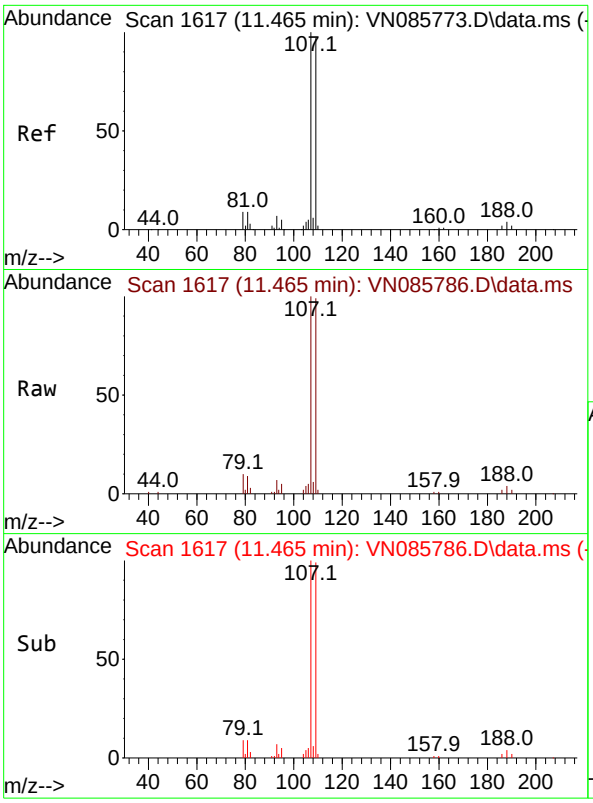


#60
Dibromochloromethane
Concen: 18.852 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:129 Resp: 73246

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.5





#61
1,2-Dibromoethane
Concen: 18.511 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:107 Resp: 5835

Ion	Ratio	Lower	Upper
107	100		
109	96.6	76.0	114.0

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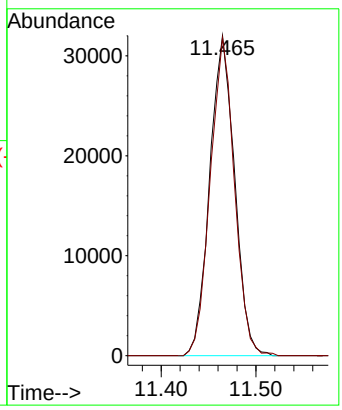
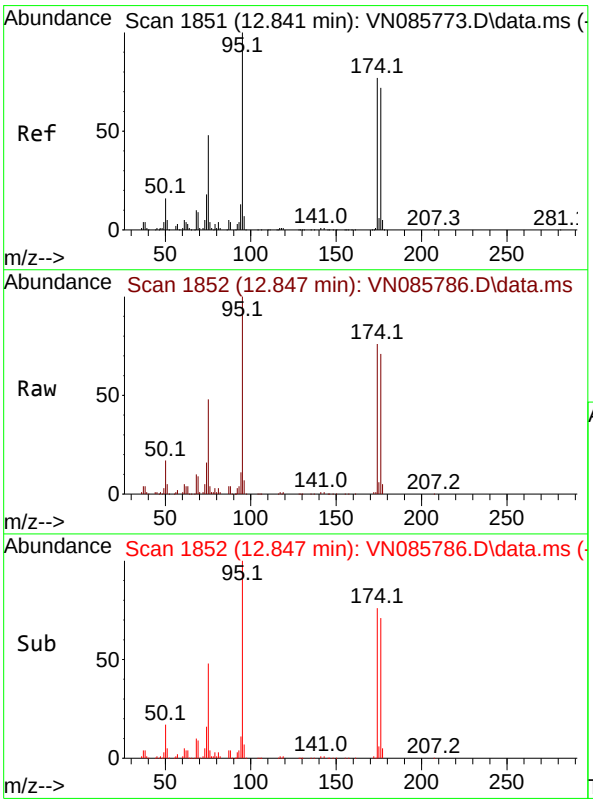
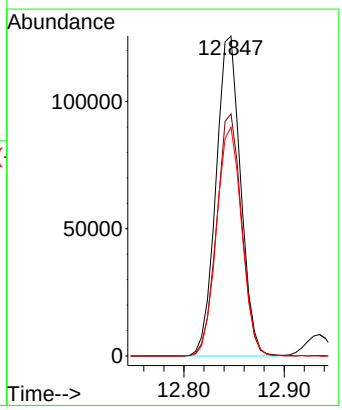


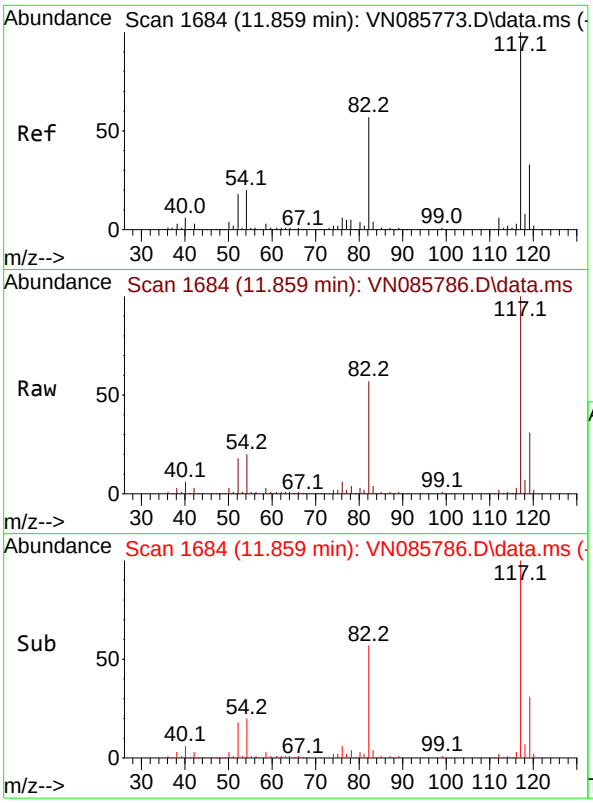


#62
4-Bromofluorobenzene
Concen: 56.623 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 95 Resp: 214234

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	152.4
176	73.3	0.0	146.6

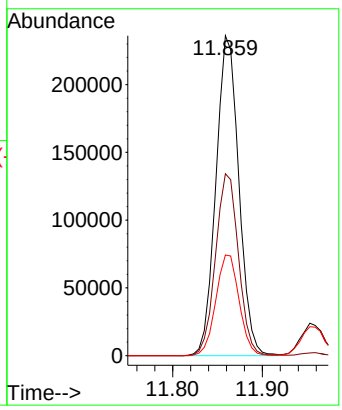




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:117 Resp: 41909

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.7	68.5
119	31.4	26.2	39.2



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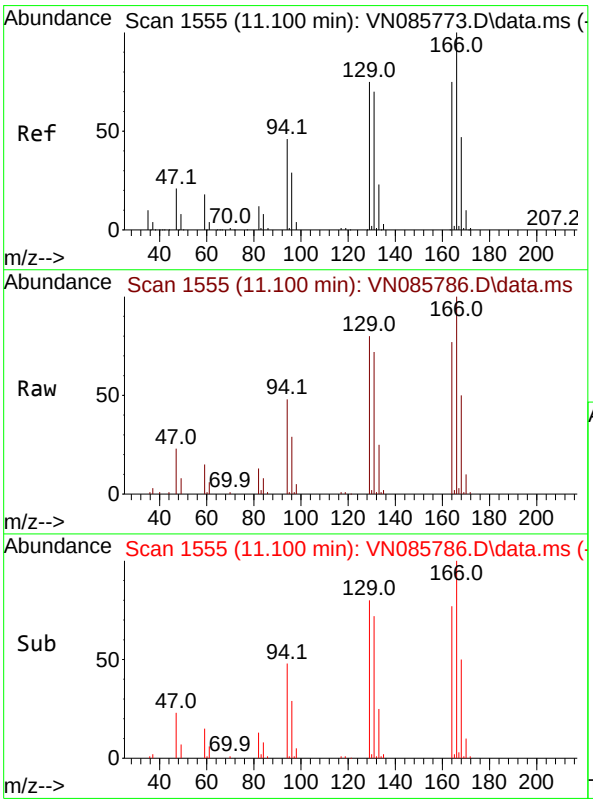
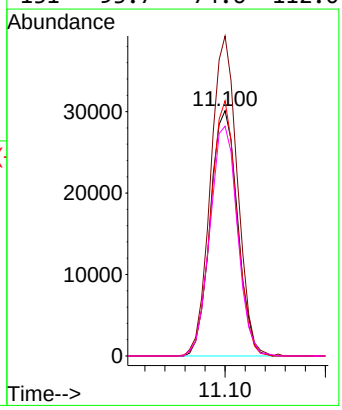
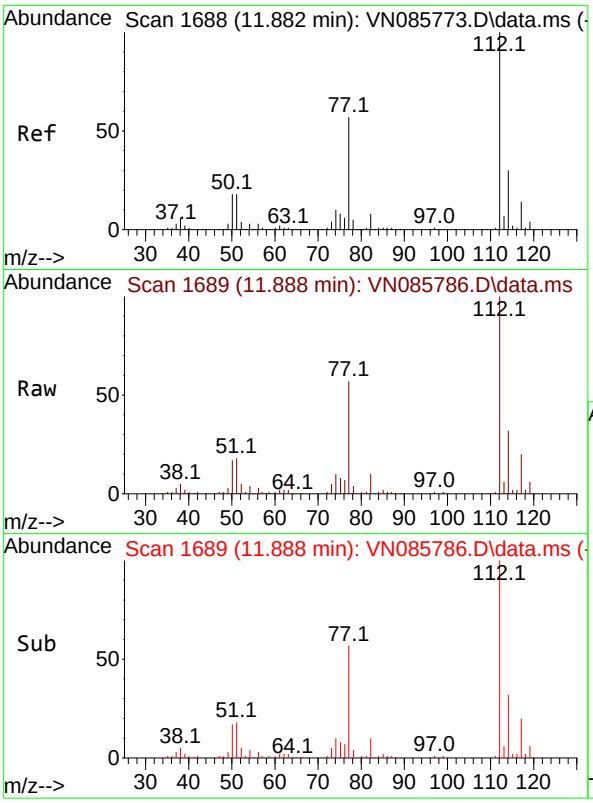


#64
Tetrachloroethene
Concen: 17.523 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:164 Resp: 56894

Ion	Ratio	Lower	Upper
164	100		
166	130.5	107.2	160.8
129	104.1	80.7	121.1
131	93.7	74.6	112.0

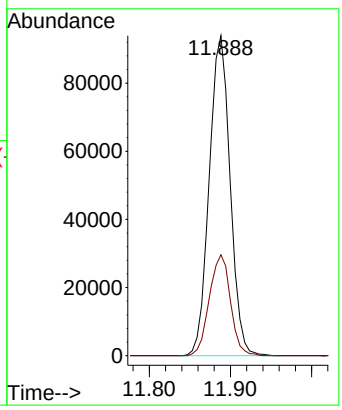




#65
Chlorobenzene
Concen: 17.490 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:112 Resp: 16791

Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
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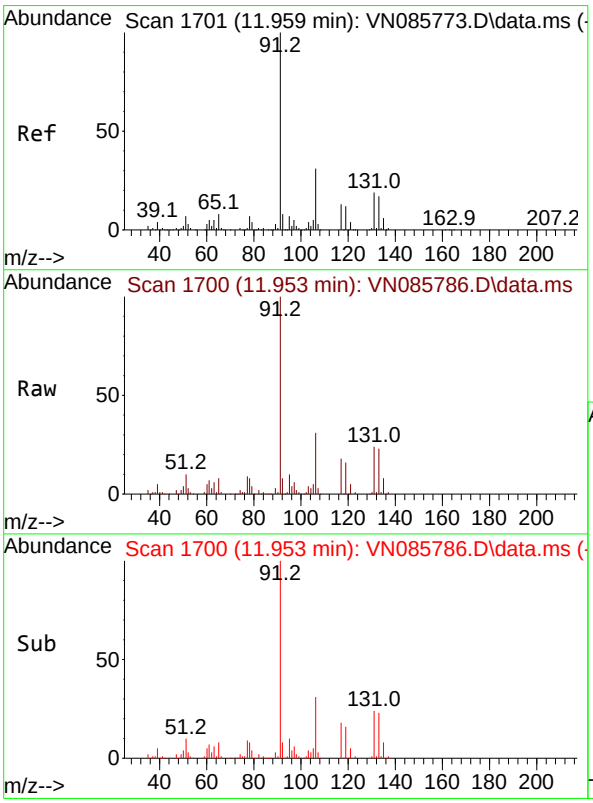
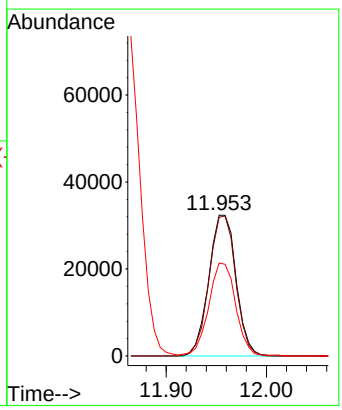
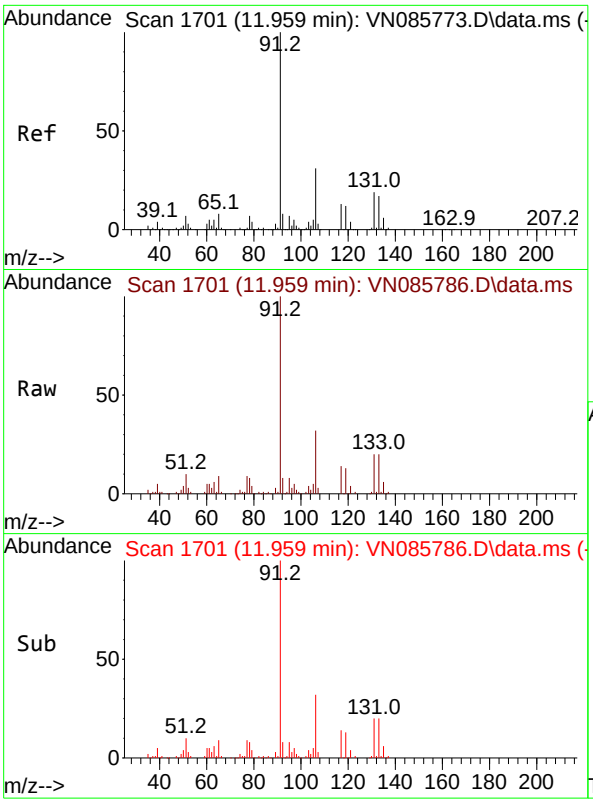


#66
1,1,1,2-Tetrachloroethane
Concen: 17.714 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:131 Resp: 61128

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.7	143.1
119	65.5	33.3	99.8

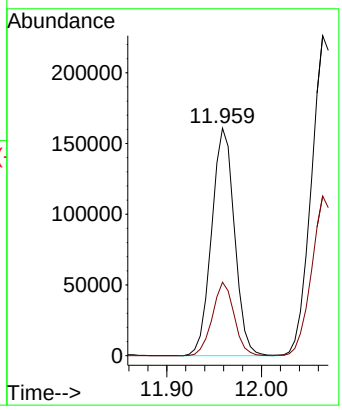




#67
Ethyl Benzene
Concen: 17.926 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 91 Resp: 26959

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.7	37.1



Instrument :
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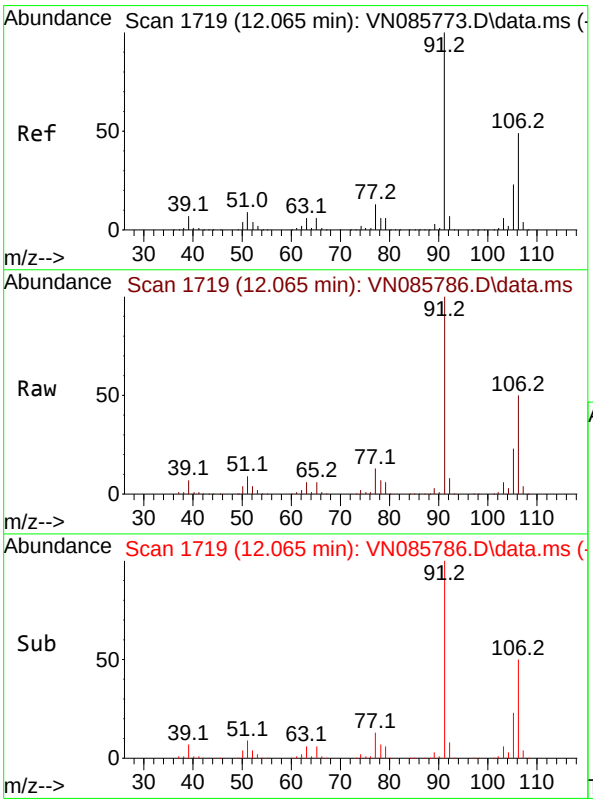
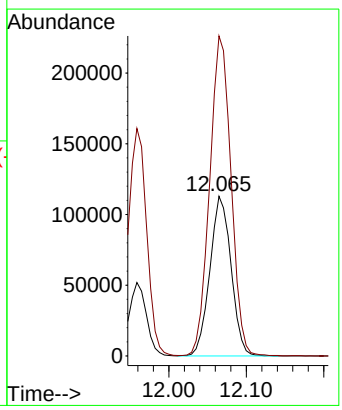
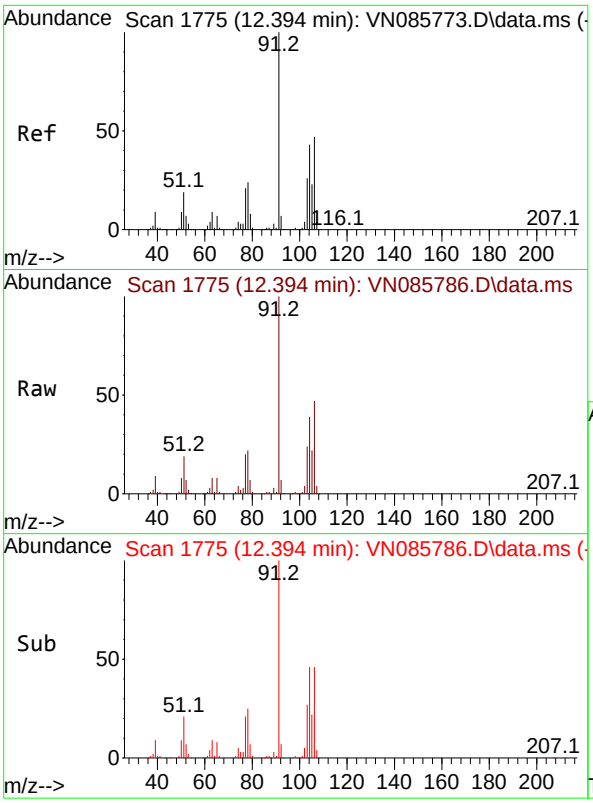


#68
m/p-Xylenes
Concen: 37.576 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:106 Resp: 214661

Ion	Ratio	Lower	Upper
106	100		
91	201.9	163.3	244.9

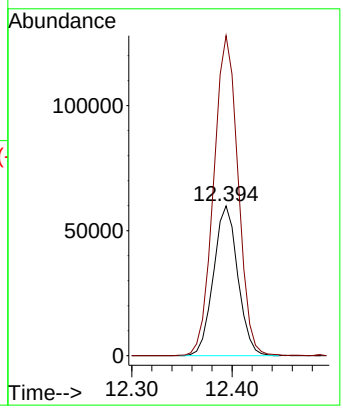




#69
o-Xylene
Concen: 18.543 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:106 Resp: 10065

Ion	Ratio	Lower	Upper
106	100		
91	215.0	107.1	321.4



Instrument :
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ClientSampleId :
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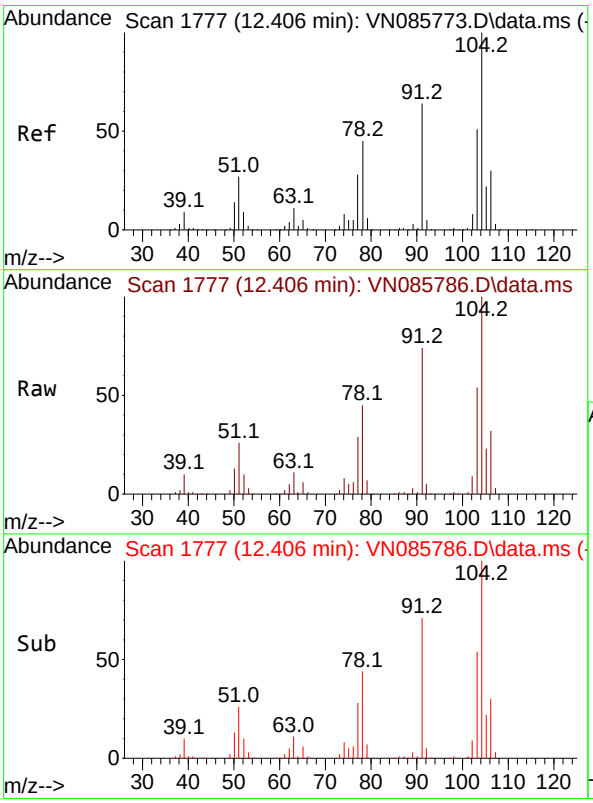
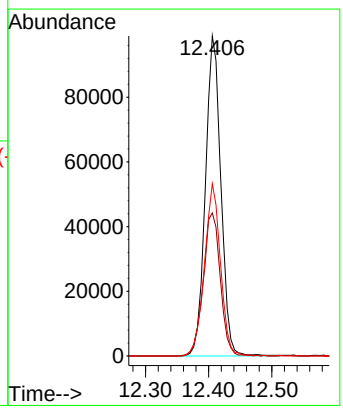
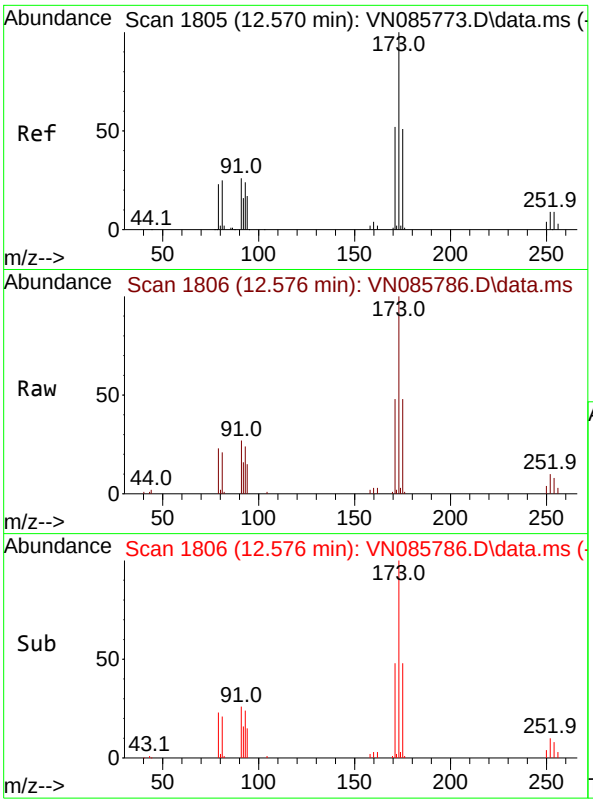


#70
Styrene
Concen: 18.098 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:104 Resp: 168188

Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.0	58.6
103	55.7	43.3	64.9

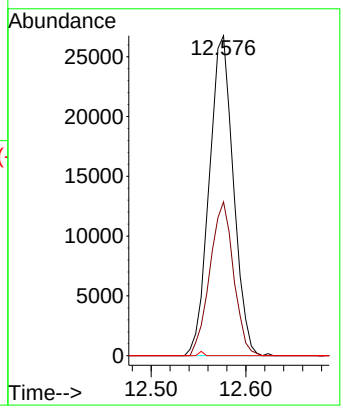




#71
Bromoform
Concen: 18.466 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:173 Resp: 4735

Ion	Ratio	Lower	Upper
173	100		
175	47.2	25.1	75.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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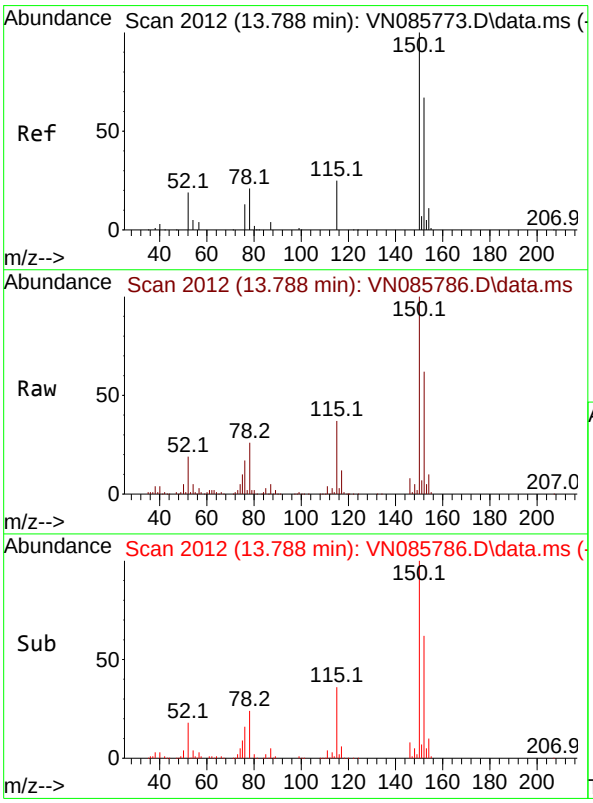
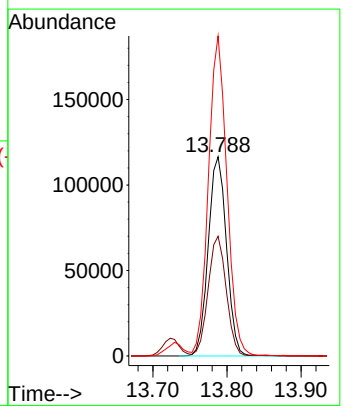
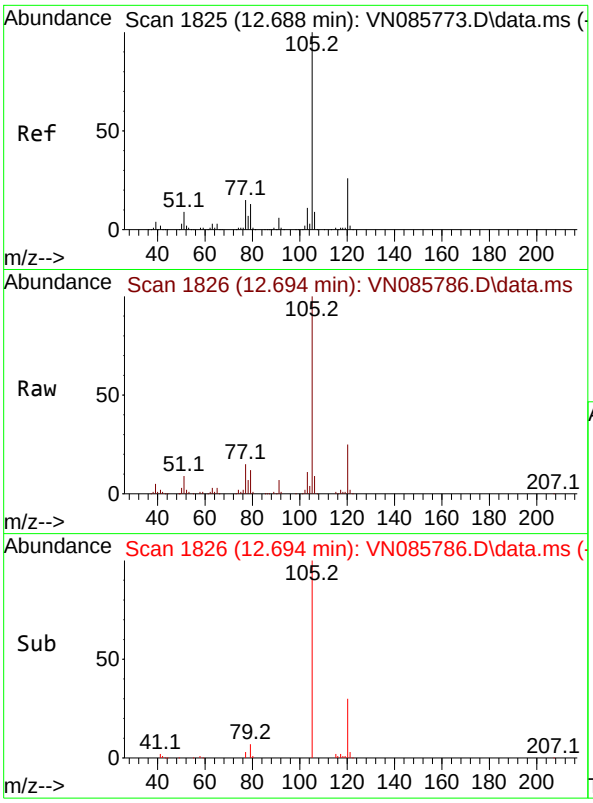


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:152 Resp: 199880

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.4	91.3
150	162.3	0.0	345.4





#73
Isopropylbenzene
Concen: 18.142 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:105 Resp: 24843

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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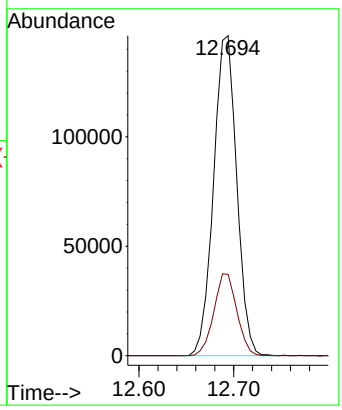
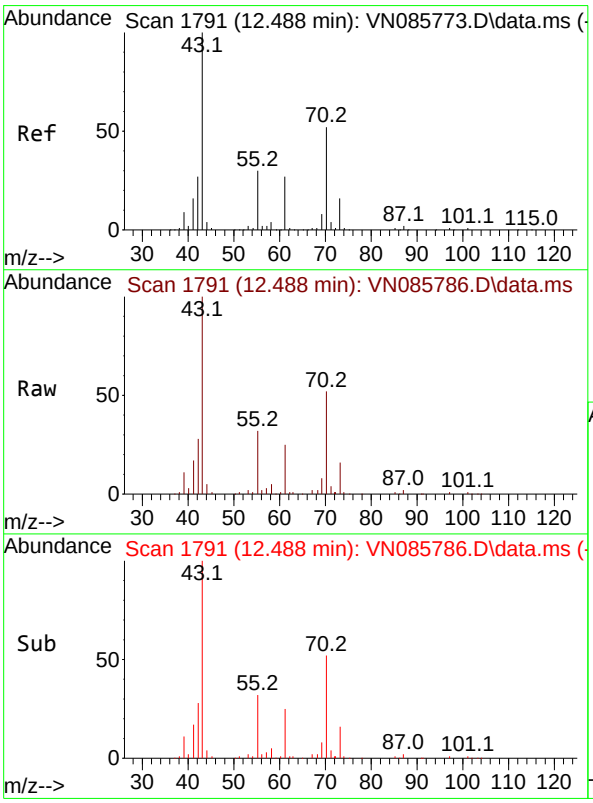
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

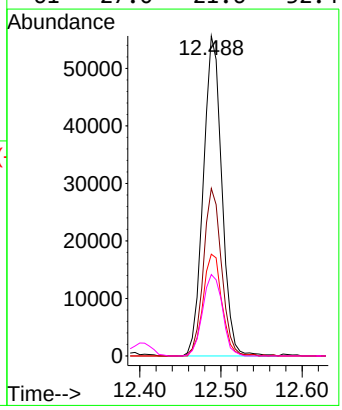


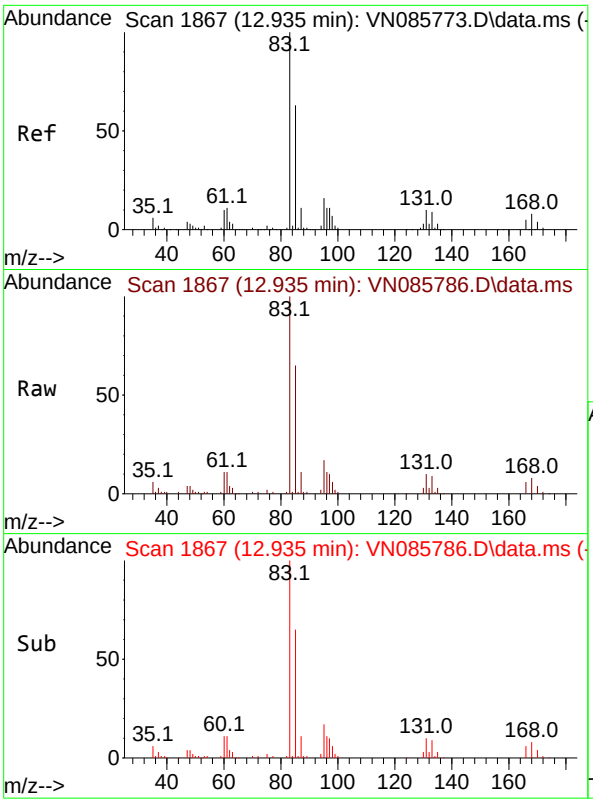


#74
N-amyl acetate
Concen: 18.254 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 88150

Ion	Ratio	Lower	Upper
43	100		
70	51.0	41.0	61.4
55	32.4	24.6	36.8
61	27.0	21.6	32.4





#75
1,1,2,2-Tetrachloroethane
Concen: 17.575 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 83 Resp: 8281

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.0	15.0
85	65.7	32.2	96.6

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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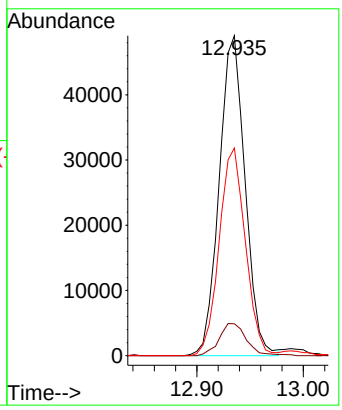
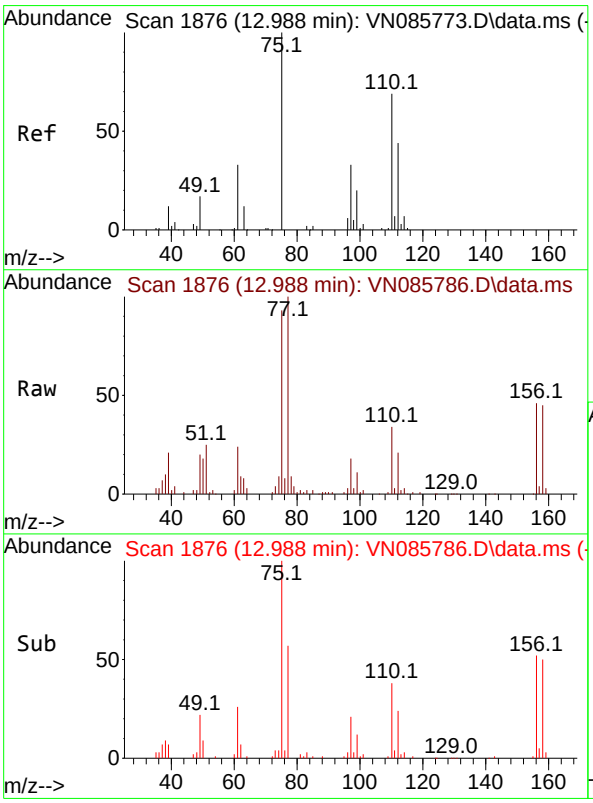
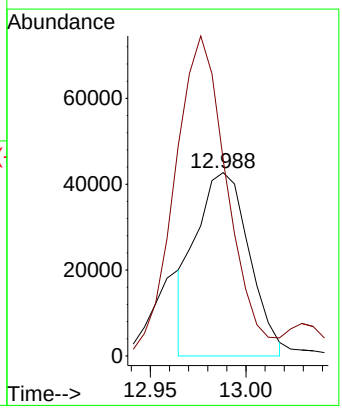


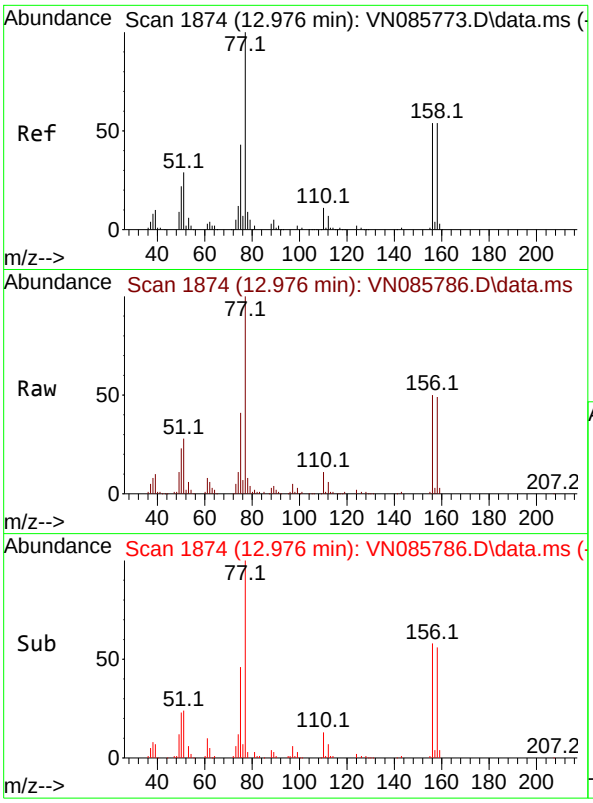


#76
1,2,3-Trichloropropane
Concen: 18.580 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 82494

Ion	Ratio	Lower	Upper
75	100		
77	174.3	100.0	300.0

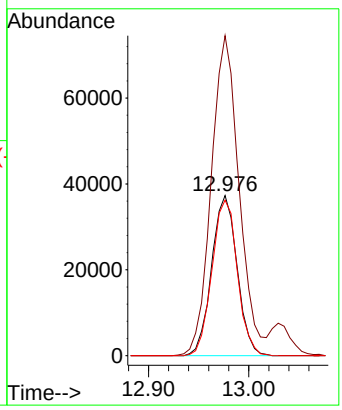




#77
Bromobenzene
Concen: 17.708 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:156 Resp: 6551

Ion	Ratio	Lower	Upper
156	100		
77	219.4	104.1	312.3
158	97.0	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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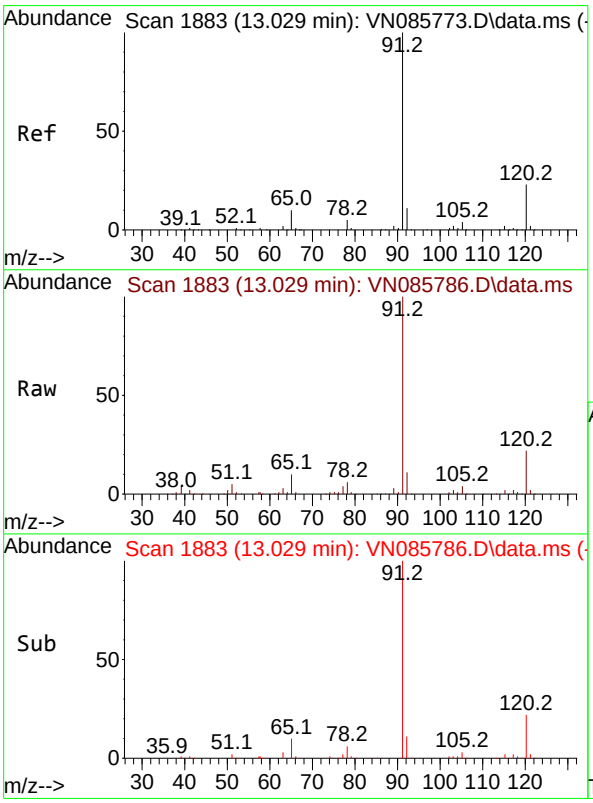
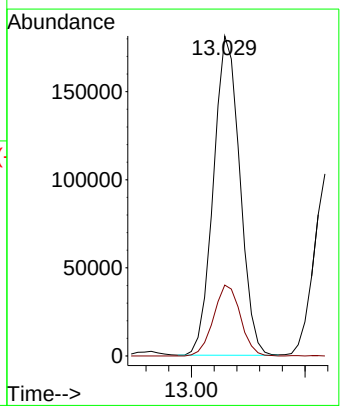
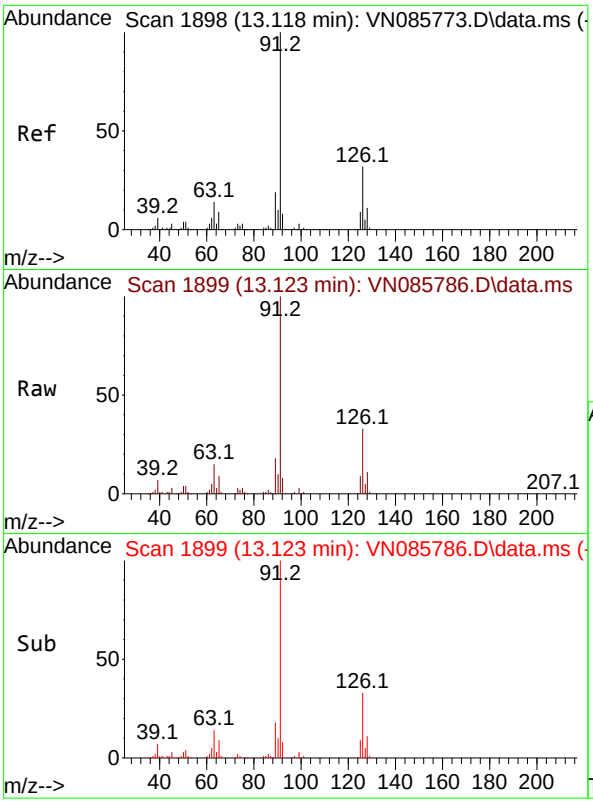


#78
n-propylbenzene
Concen: 18.627 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 91 Resp: 292124

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8

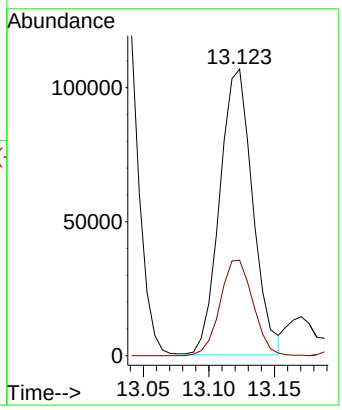




#79
2-Chlorotoluene
Concen: 17.830 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 91 Resp: 18683

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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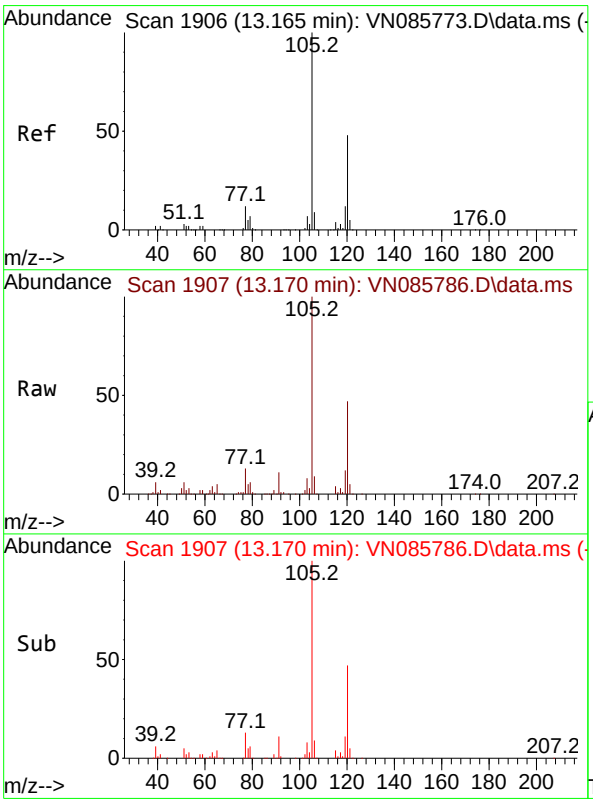
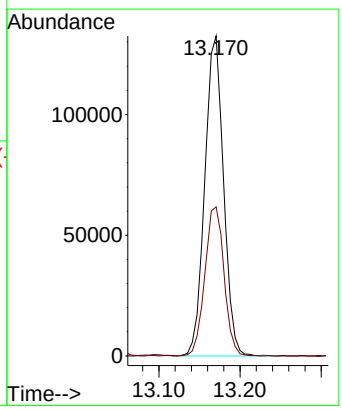
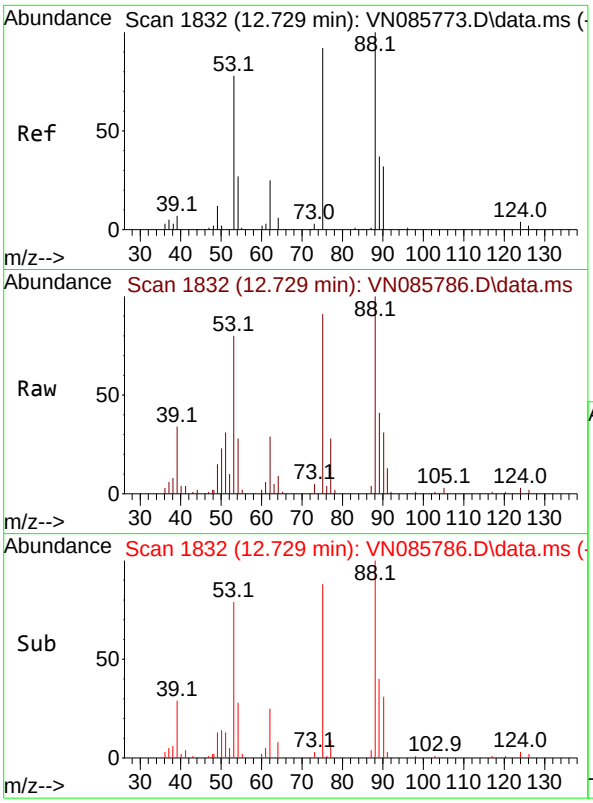


#80
1,3,5-Trimethylbenzene
Concen: 19.030 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:105 Resp: 212280

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.3	72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 18.103 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 2754

Ion	Ratio	Lower	Upper
75	100		
53	99.6	74.2	111.4
89	44.1	34.9	52.3

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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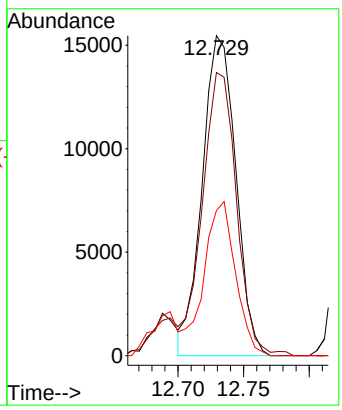
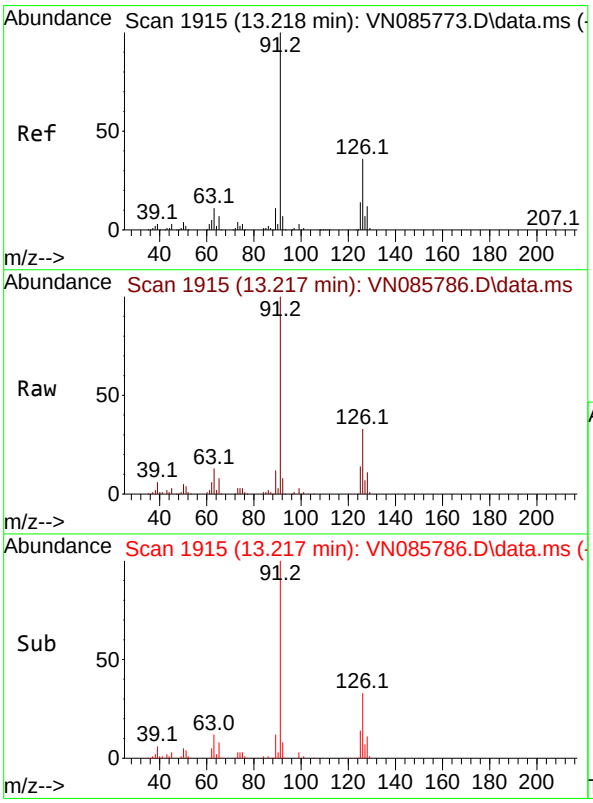
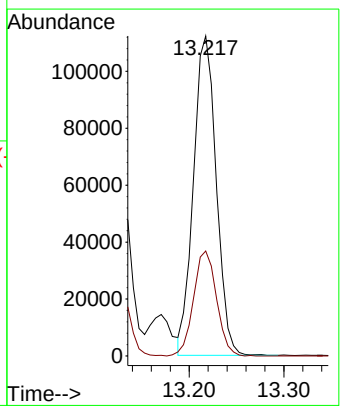


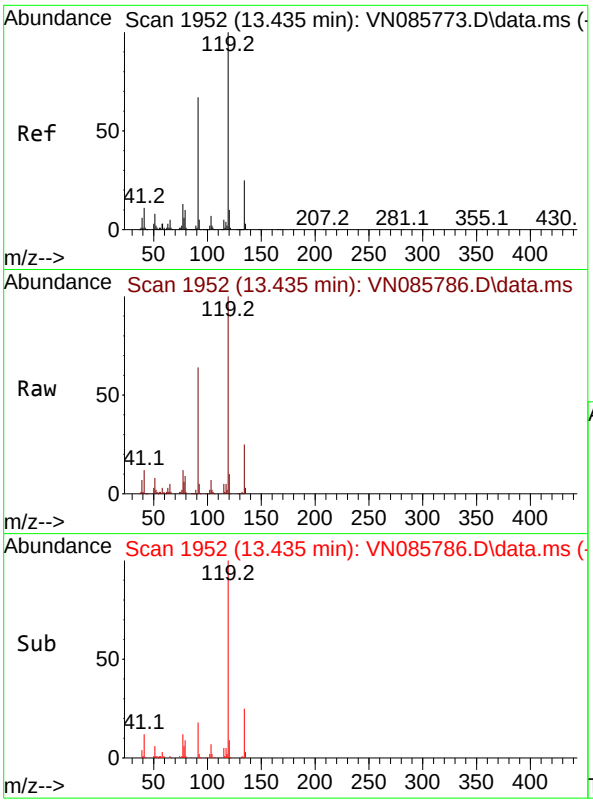


#82
4-Chlorotoluene
Concen: 18.067 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 91 Resp: 187674

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4

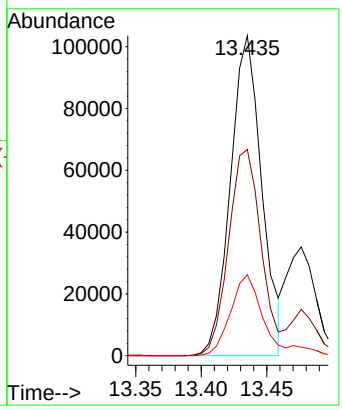




#83
tert-Butylbenzene
Concen: 18.340 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:119 Resp: 17203

Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.5	97.5
134	27.4	13.3	39.9



Instrument :
MSVOA_N
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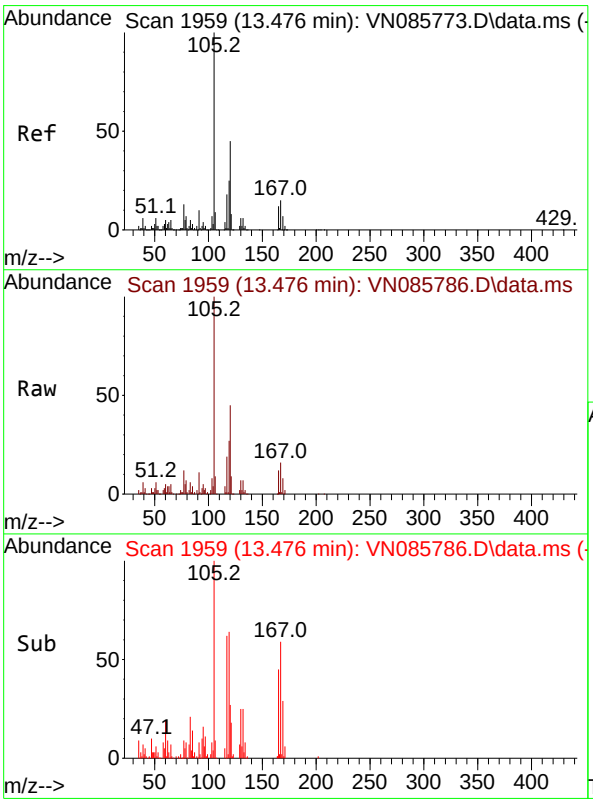
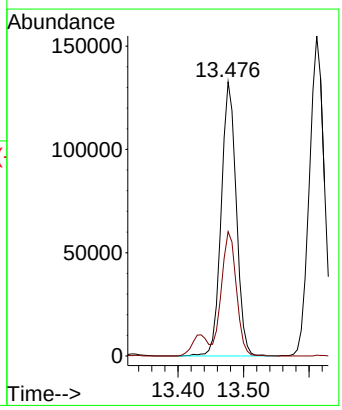
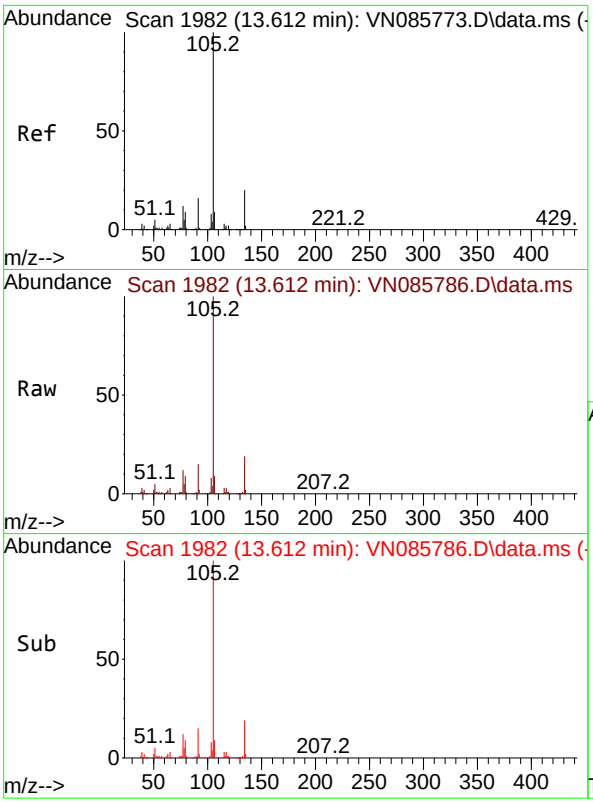


#84
1,2,4-Trimethylbenzene
Concen: 19.064 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:105 Resp: 210395

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.3

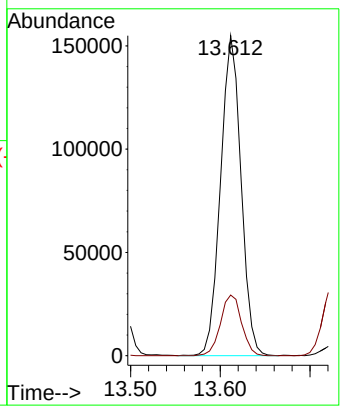




#85
sec-Butylbenzene
Concen: 18.524 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:105 Resp: 24550

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
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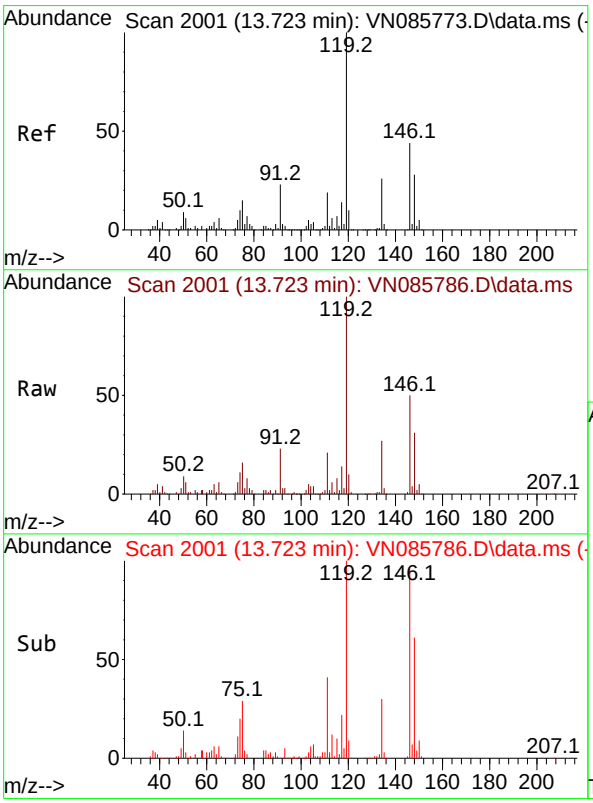
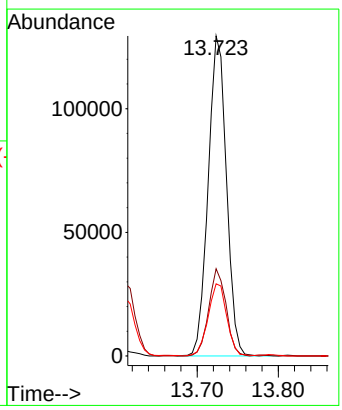
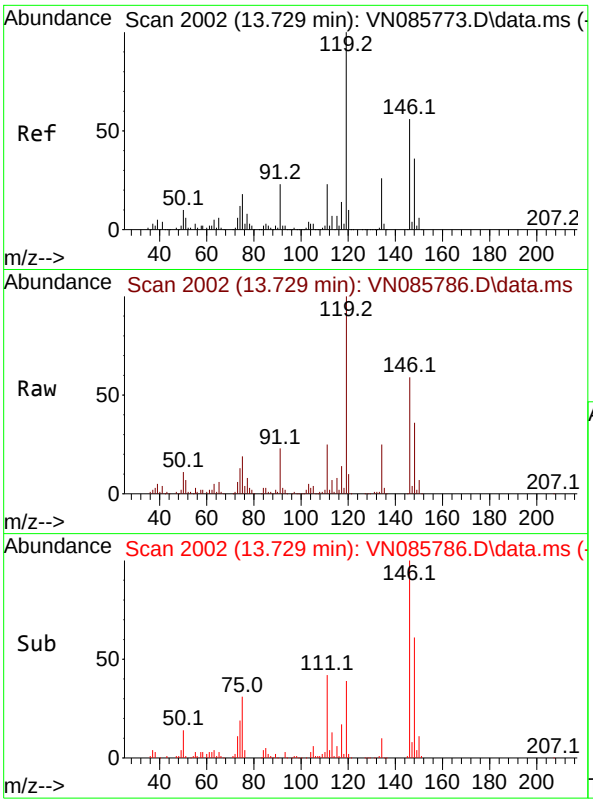


#86
p-Isopropyltoluene
Concen: 17.957 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:119 Resp: 202304

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	23.2	11.7	35.1

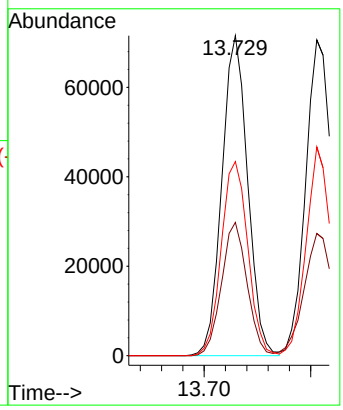




#87
1,3-Dichlorobenzene
Concen: 17.354 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:146 Resp: 12028

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	62.6	32.1	96.5



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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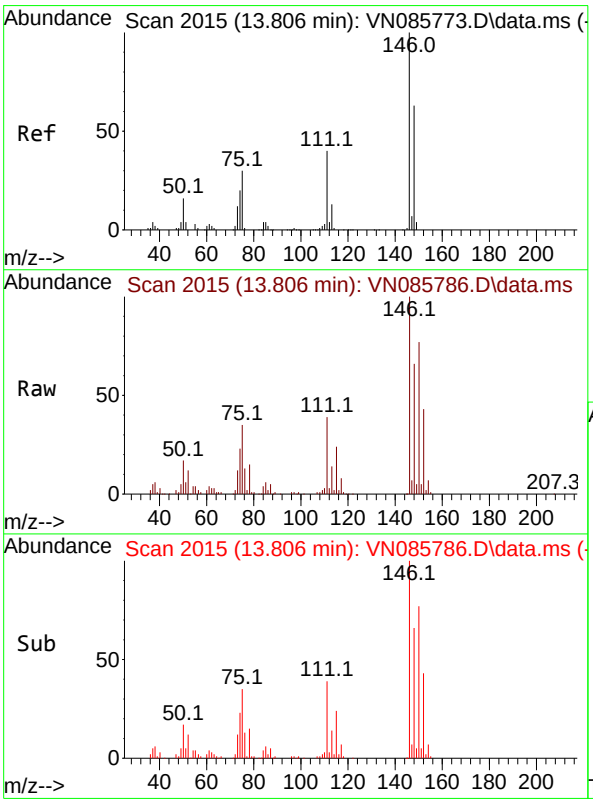
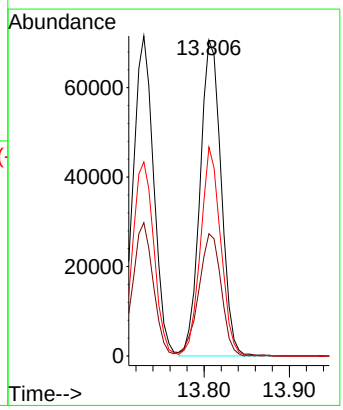
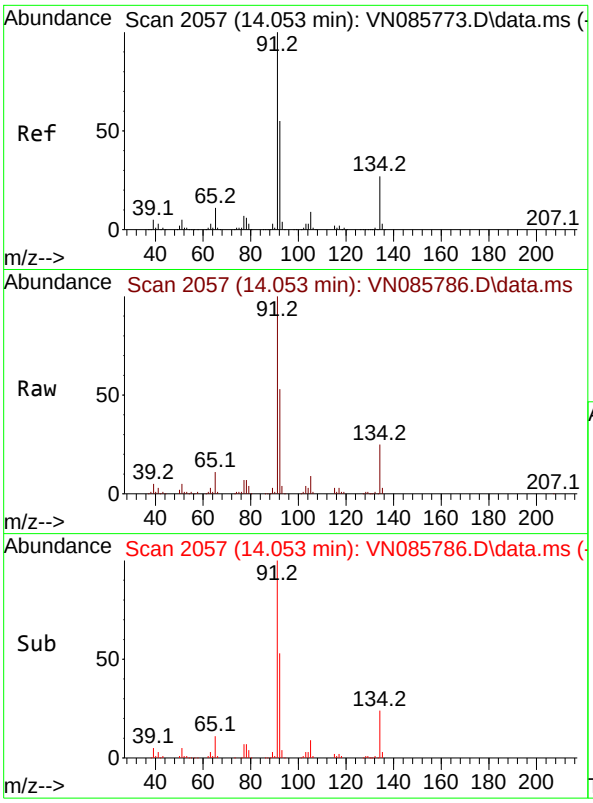


#88
1,4-Dichlorobenzene
Concen: 17.073 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:146 Resp: 121293

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	63.4	31.8	95.4





#89
n-Butylbenzene
Concen: 17.307 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 91 Resp: 16285

Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.1	81.3
134	25.0	12.7	38.1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

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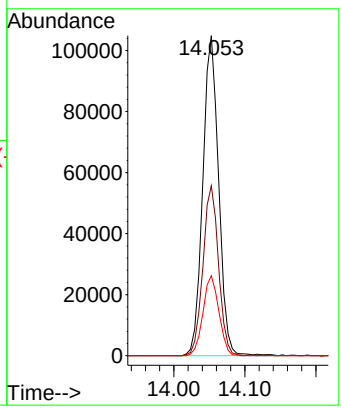
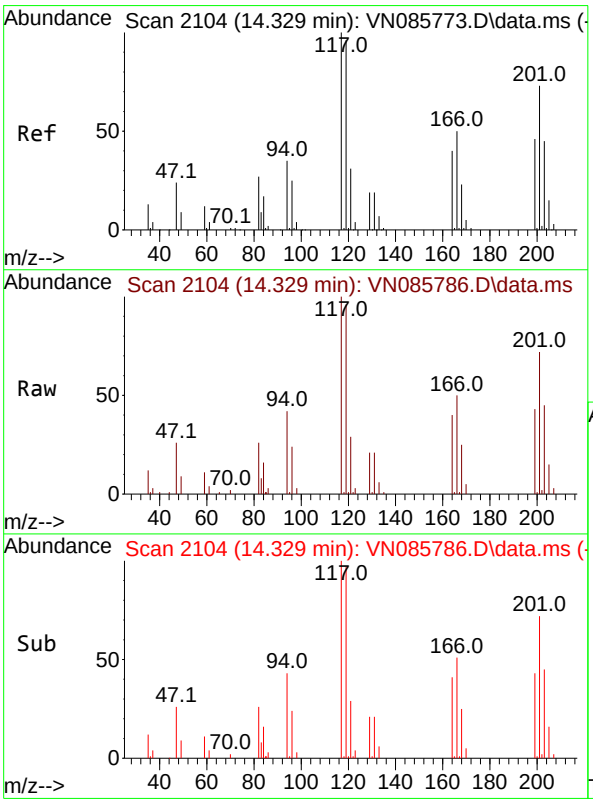
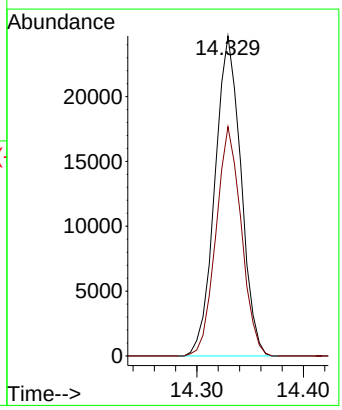


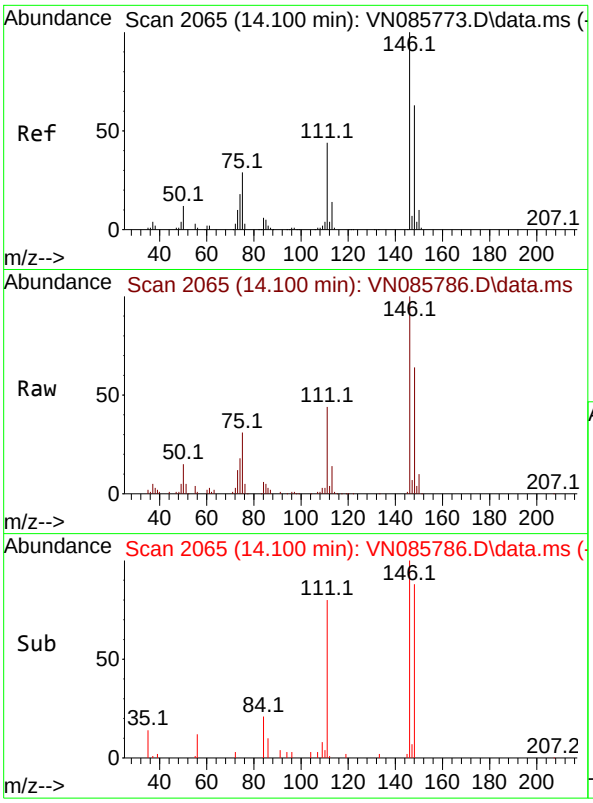


#90
Hexachloroethane
Concen: 16.669 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:117 Resp: 41839

Ion	Ratio	Lower	Upper
117	100		
201	69.7	35.6	106.9

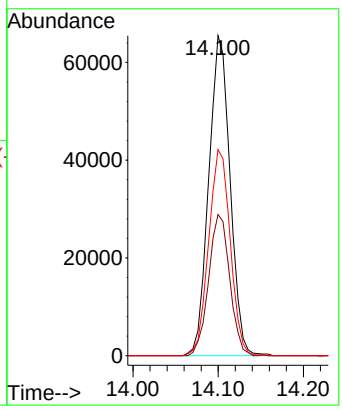




#91
1,2-Dichlorobenzene
Concen: 17.079 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:146 Resp: 11383

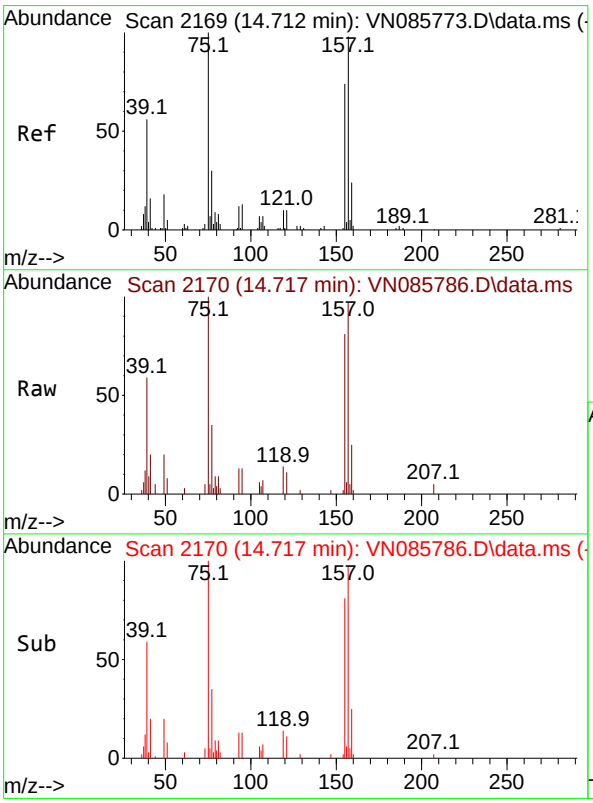
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	65.1	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Manual Integrations
APPROVED

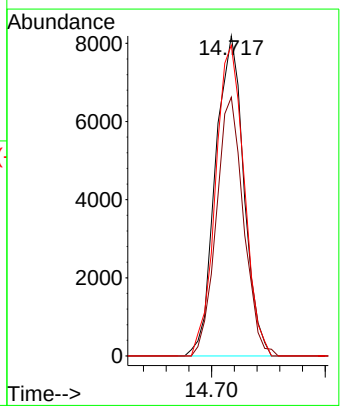
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

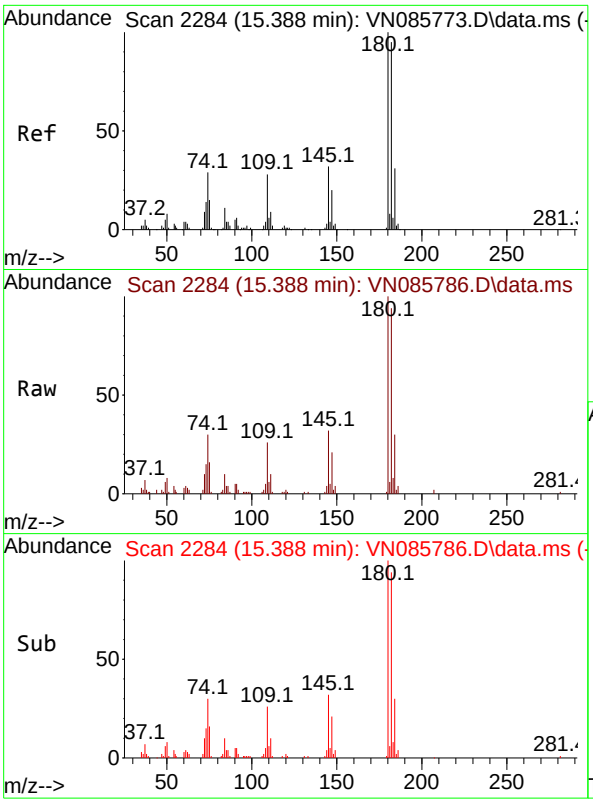


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.415 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 14204

Ion	Ratio	Lower	Upper
75	100		
155	77.6	39.9	119.6
157	97.9	49.9	149.7





#93
1,2,4-Trichlorobenzene
Concen: 16.681 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

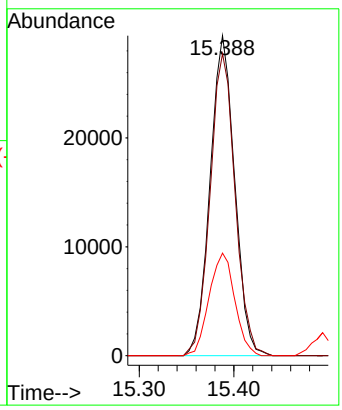
Tgt Ion:180 Resp: 5298

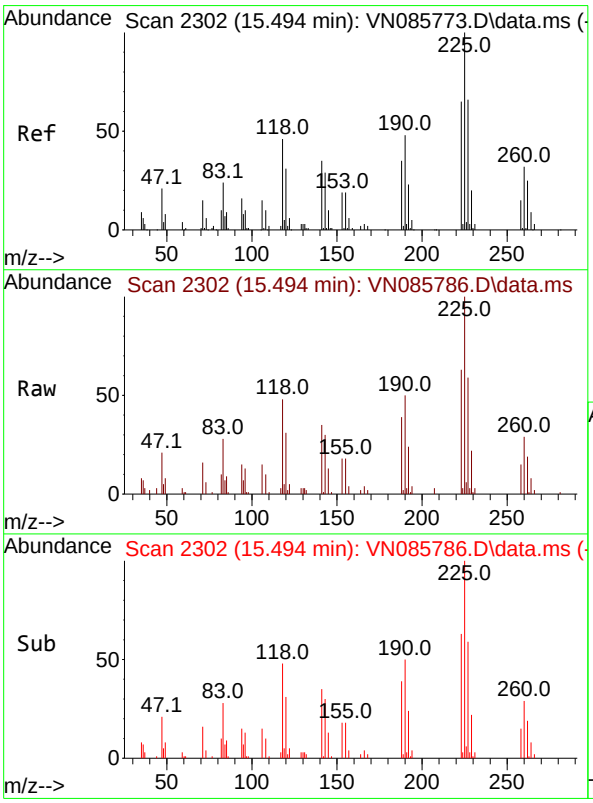
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	33.5	16.2	48.5

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

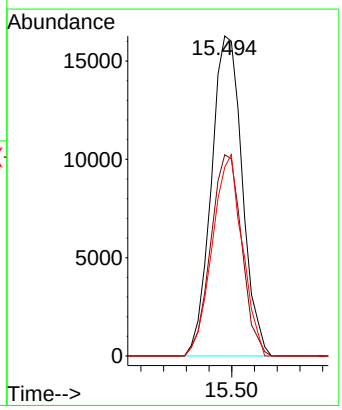


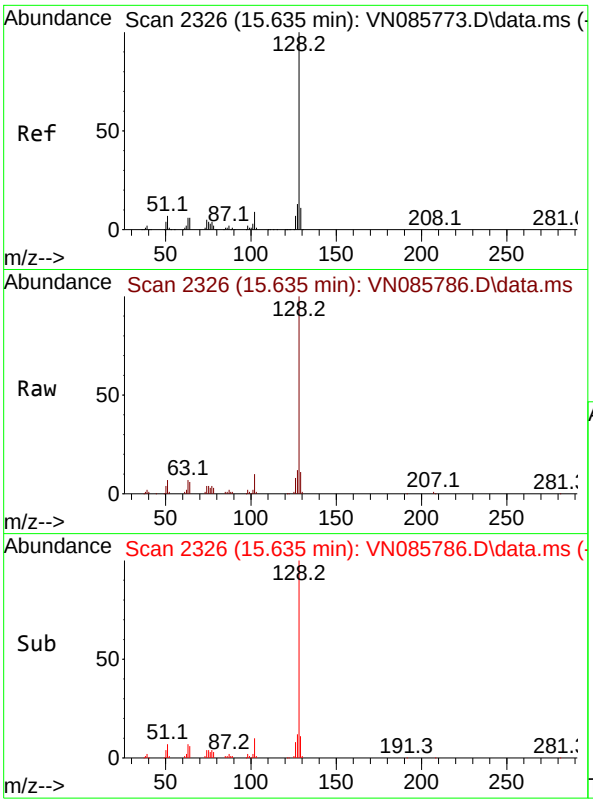


#94
Hexachlorobutadiene
Concen: 15.921 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:225 Resp: 30731

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	61.0	32.2	96.6

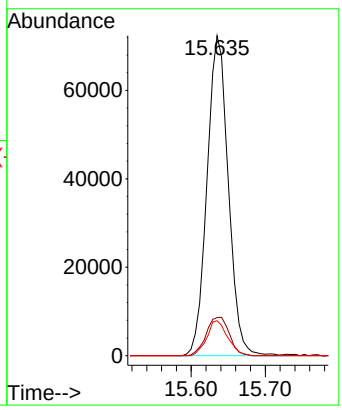




#95
Naphthalene
Concen: 16.554 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:128 Resp: 14434

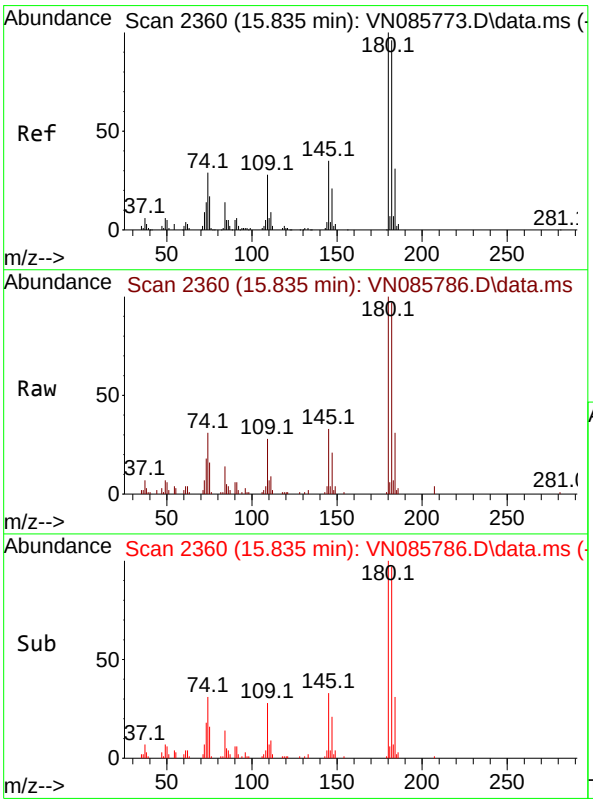
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Manual Integrations
APPROVED

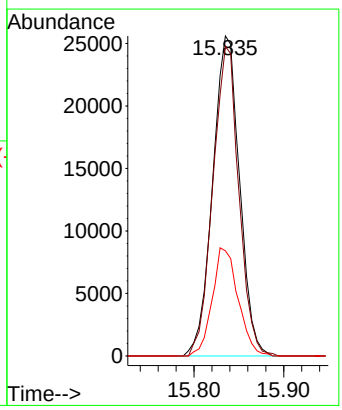
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.662 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:180 Resp: 53127

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	141.8
145	32.5	16.9	50.6



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-725-727MS	SDG No.:	Q1380
Lab Sample ID:	Q1380-07MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	7.4
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021342.D	1		02/26/25 19:21	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	520		15.5	33.3	66.6	ug/Kg
75-01-4	Vinyl Chloride	550		10.3	33.3	66.6	ug/Kg
74-83-9	Bromomethane	550		13.7	53.3	66.6	ug/Kg
75-00-3	Chloroethane	580		13.5	33.3	66.6	ug/Kg
75-69-4	Trichlorofluoromethane	570		12.1	53.3	66.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	530		14.3	33.3	66.6	ug/Kg
75-35-4	1,1-Dichloroethene	560		10.4	33.3	66.6	ug/Kg
67-64-1	Acetone	2600		83.2	270	330	ug/Kg
75-15-0	Carbon Disulfide	570		17.1	53.3	66.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	570		8.90	33.3	66.6	ug/Kg
75-09-2	Methylene Chloride	590		45.4	110	130	ug/Kg
156-60-5	trans-1,2-Dichloroethene	560		11.2	33.3	66.6	ug/Kg
75-34-3	1,1-Dichloroethane	580		8.40	33.3	66.6	ug/Kg
78-93-3	2-Butanone	2500		75.7	270	330	ug/Kg
56-23-5	Carbon Tetrachloride	520		11.6	33.3	66.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	580		8.10	33.3	66.6	ug/Kg
67-66-3	Chloroform	580		8.90	53.3	66.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	570		10.4	33.3	66.6	ug/Kg
108-87-2	Methylcyclohexane	310		11.6	33.3	66.6	ug/Kg
71-43-2	Benzene	540		9.60	33.3	66.6	ug/Kg
107-06-2	1,2-Dichloroethane	550		8.10	33.3	66.6	ug/Kg
79-01-6	Trichloroethene	510		10.0	33.3	66.6	ug/Kg
78-87-5	1,2-Dichloropropane	540		8.80	33.3	66.6	ug/Kg
75-27-4	Bromodichloromethane	560		7.50	33.3	66.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2400		58.0	170	330	ug/Kg
108-88-3	Toluene	520		8.90	33.3	66.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	520		8.00	33.3	66.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	520		7.60	33.3	66.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	540		11.2	33.3	66.6	ug/Kg
591-78-6	2-Hexanone	2400		63.8	170	330	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-725-727MS	SDG No.:	Q1380
Lab Sample ID:	Q1380-07MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	7.4
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021342.D	1		02/26/25 19:21	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	540		8.70	33.3	66.6	ug/Kg
127-18-4	Tetrachloroethene	480		11.9	33.3	66.6	ug/Kg
108-90-7	Chlorobenzene	510		9.90	33.3	66.6	ug/Kg
100-41-4	Ethyl Benzene	500		8.30	33.3	66.6	ug/Kg
179601-23-1	m/p-Xylenes	960		18.0	66.6	130	ug/Kg
95-47-6	o-Xylene	500		9.30	33.3	66.6	ug/Kg
100-42-5	Styrene	340		8.00	33.3	66.6	ug/Kg
75-25-2	Bromoform	560		10.8	33.3	66.6	ug/Kg
98-82-8	Isopropylbenzene	590		8.90	33.3	66.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	750		14.7	33.3	66.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	450		9.90	33.3	66.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	460		10.7	33.3	66.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	480		7.90	33.3	66.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40.9		71 - 136		82%	SPK: 50
1868-53-7	Dibromofluoromethane	39.9		78 - 119		80%	SPK: 50
2037-26-5	Toluene-d8	36.4	*	85 - 116		73%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.4	*	79 - 119		63%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	7.707				
540-36-3	1,4-Difluorobenzene	260000	8.615				
3114-55-4	Chlorobenzene-d5	211000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	76100	13.346				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	157236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	260195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	210847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	76053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72971	40.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 81.820%			
35) Dibromofluoromethane	7.634	113	68031	39.881	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 79.760%			
50) Toluene-d8	10.109	98	240193	36.433	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 72.860%			
62) 4-Bromofluorobenzene	12.407	95	69748	31.436	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 62.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	61061	40.959	ug/l	97
3) Chloromethane	2.068	50	75807	39.374	ug/l	96
4) Vinyl Chloride	2.202	62	78401	41.488	ug/l	96
5) Bromomethane	2.598	94	51516	41.023	ug/l	97
6) Chloroethane	2.732	64	50624	43.200	ug/l	100
7) Trichlorofluoromethane	3.062	101	121867	42.702	ug/l	96
8) Diethyl Ether	3.452	74	36706	42.853	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	66141	40.030	ug/l	100
10) Methyl Iodide	4.000	142	77342	44.492	ug/l	99
11) Tert butyl alcohol	4.848	59	21669	157.938	ug/l	99
12) 1,1-Dichloroethene	3.787	96	66249	41.875	ug/l	96
13) Acrolein	3.653	56	4021	38.245	ug/l	94
14) Allyl chloride	4.385	41	116238	41.440	ug/l	98
15) Acrylonitrile	5.055	53	78167	206.399	ug/l	98
16) Acetone	3.866	43	66220	193.537	ug/l	96
17) Carbon Disulfide	4.104	76	223679	42.578	ug/l	100
18) Methyl Acetate	4.385	43	34298	41.017	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	179116	42.851	ug/l	100
20) Methylene Chloride	4.616	84	81543	44.072	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	72991	41.909	ug/l	99
22) Diisopropyl ether	6.018	45	253120	43.608	ug/l	99
23) Vinyl Acetate	5.957	43	720641	207.762	ug/l	100
24) 1,1-Dichloroethane	5.915	63	141491	43.249	ug/l	99
25) 2-Butanone	6.896	43	97484	188.778	ug/l	97
26) 2,2-Dichloropropane	6.884	77	116141	39.124	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	86167	43.326	ug/l	97
28) Bromochloromethane	7.244	49	57642	39.820	ug/l	97
29) Tetrahydrofuran	7.256	42	65801	194.942	ug/l	99
30) Chloroform	7.421	83	144111	43.472	ug/l	98
31) Cyclohexane	7.701	56	101332	32.222	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	128495	42.585	ug/l	98
36) 1,1-Dichloropropene	7.835	75	97595	38.087	ug/l	100
37) Ethyl Acetate	6.982	43	46381	36.388	ug/l	99
38) Carbon Tetrachloride	7.817	117	112360	39.004	ug/l	99
39) Methylcyclohexane	9.109	83	75862	23.407	ug/l	98
40) Benzene	8.079	78	305903	40.385	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	21421	30.058	ug/l	#	77
42) 1,2-Dichloroethane	8.158	62	88913	41.373	ug/l		99
43) Isopropyl Acetate	8.195	43	93368	37.845	ug/l		98
44) Trichloroethene	8.865	130	72832	38.405	ug/l		98
45) 1,2-Dichloropropane	9.140	63	74364	40.795	ug/l		95
46) Dibromomethane	9.231	93	41712	41.862	ug/l		99
47) Bromodichloromethane	9.426	83	110838	41.719	ug/l		96
48) Methyl methacrylate	9.219	41	44133	38.254	ug/l		96
49) 1,4-Dioxane	9.231	88	8526	769.549	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	231679	183.451	ug/l		100
52) Toluene	10.170	92	183630	39.024	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	94800	38.946	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	112176	39.037	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	53062	40.878	ug/l		98
56) Ethyl methacrylate	10.438	69	69781	38.906	ug/l		100
57) 1,3-Dichloropropane	10.713	76	93102	40.874	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	5592	6.496	ug/l		99
59) 2-Hexanone	10.761	43	149683	180.470	ug/l		100
60) Dibromochloromethane	10.908	129	71421	40.400	ug/l		99
61) 1,2-Dibromoethane	11.017	107	50162	40.819	ug/l		99
64) Tetrachloroethene	10.646	164	57467	36.059	ug/l		96
65) Chlorobenzene	11.438	112	182843	38.632	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	70727	42.677	ug/l		99
67) Ethyl Benzene	11.517	91	314620	37.529	ug/l		100
68) m/p-Xylenes	11.627	106	228225	72.376	ug/l		100
69) o-Xylene	11.950	106	111364	37.699	ug/l		99
70) Styrene	11.969	104	126425	25.722	ug/l		95
71) Bromoform	12.133	173	39491	41.654	ug/l	#	99
73) Isopropylbenzene	12.255	105	253772	44.384	ug/l		99
74) N-amyl acetate	12.072	43	76847	52.878	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	57034	56.521	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	41335m	54.299	ug/l		
77) Bromobenzene	12.529	156	65189	49.018	ug/l		100
78) n-propylbenzene	12.596	91	264648	38.144	ug/l		100
79) 2-Chlorotoluene	12.682	91	170166	42.735	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	174002	37.106	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	17347	50.649	ug/l		95
82) 4-Chlorotoluene	12.779	91	166815	40.414	ug/l		99
83) tert-Butylbenzene	12.999	119	154167	36.395	ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	176279	37.797	ug/l		99
85) sec-Butylbenzene	13.176	105	176198	28.477	ug/l		99
86) p-Isopropyltoluene	13.291	119	143404	27.756	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	88665	33.704	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	90233	34.721	ug/l		98
89) n-Butylbenzene	13.615	91	100472	20.665	ug/l		99
90) Hexachloroethane	13.883	117	32849	30.438	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	83694	36.312	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8068	50.542	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	18559	13.193	ug/l		95
94) Hexachlorobutadiene	15.023	225	8471	9.565	ug/l		97
95) Naphthalene	15.145	128	53429	22.930	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	16632	13.994	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
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Instrument :
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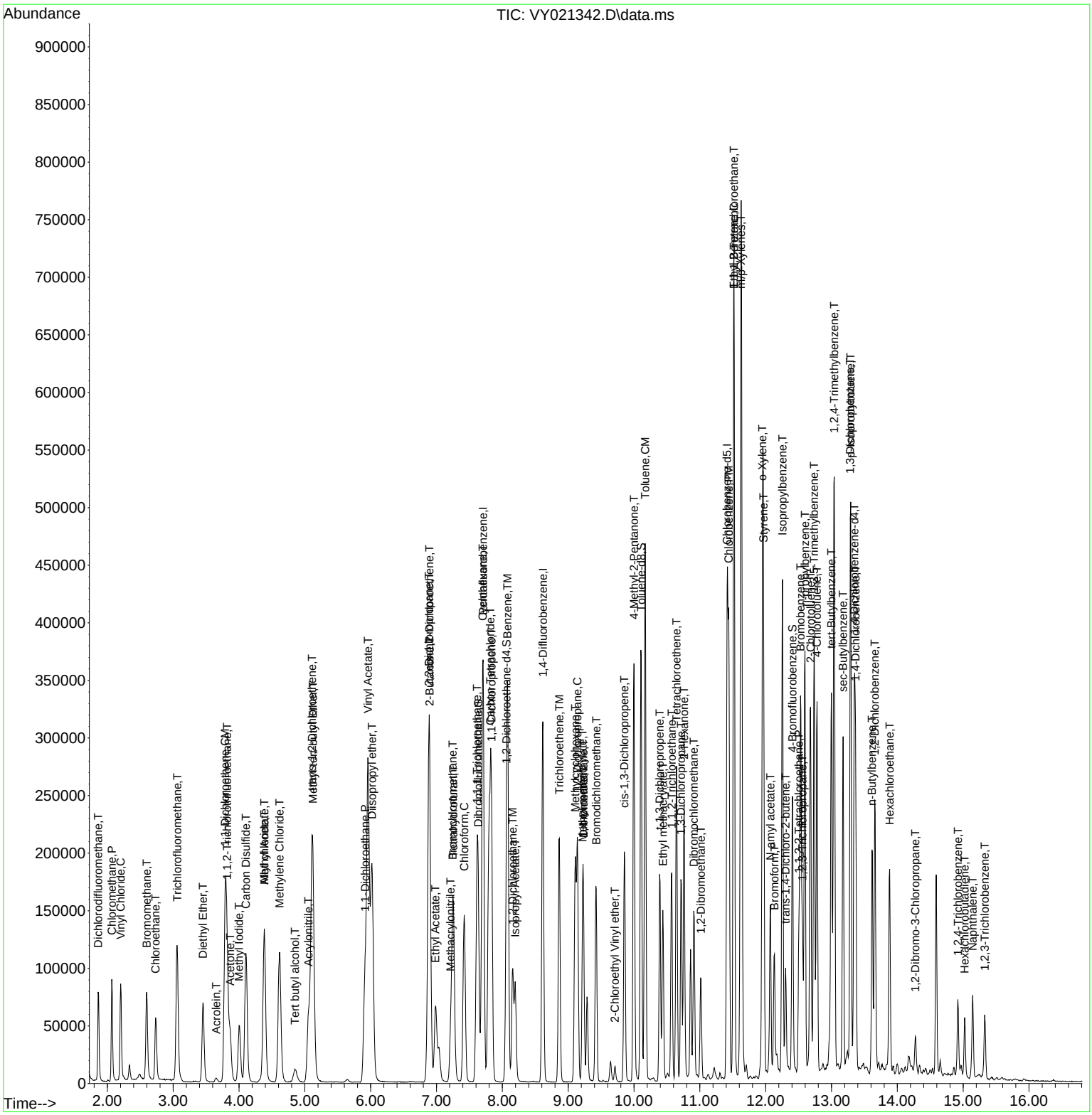
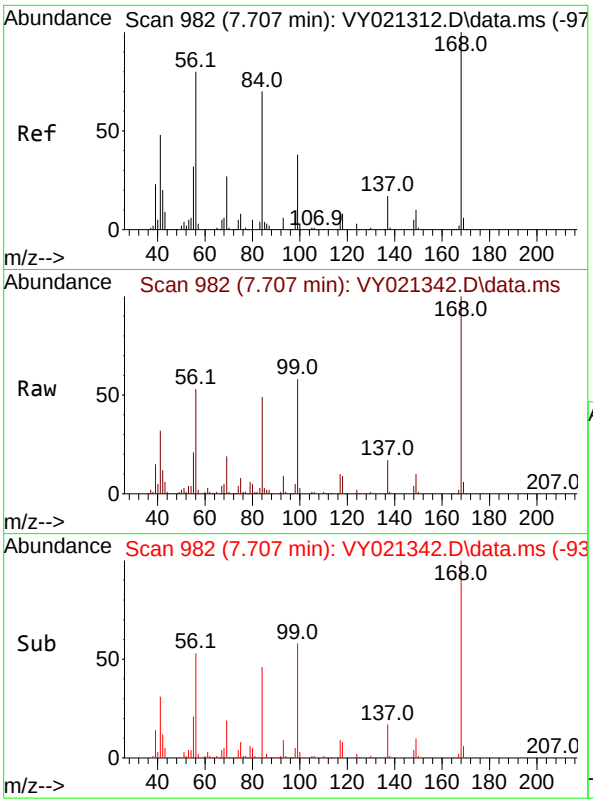
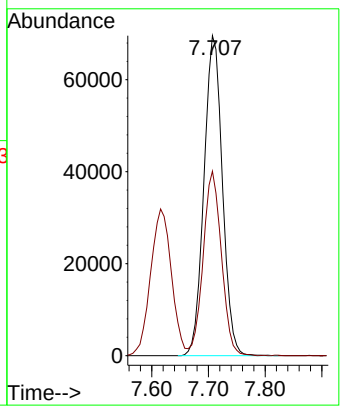




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:168 Resp: 15723

Ion	Ratio	Lower	Upper
168	100		
99	57.5	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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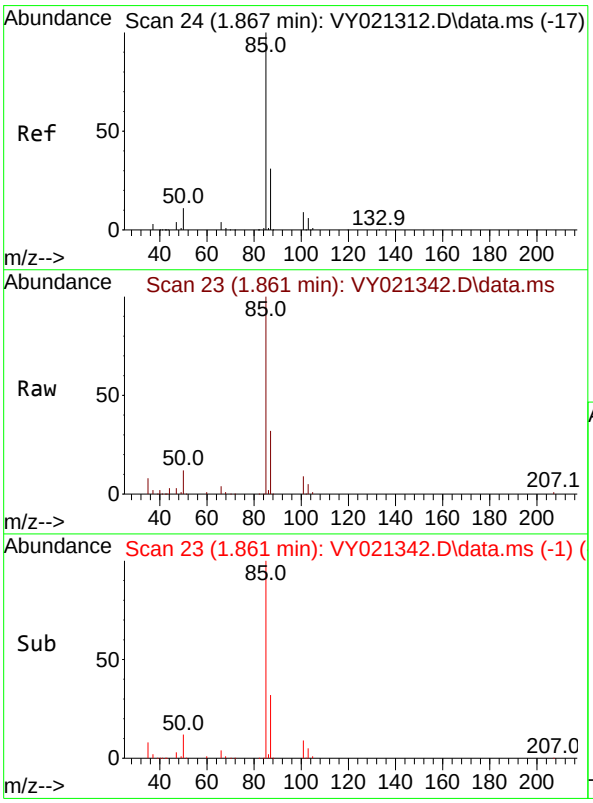
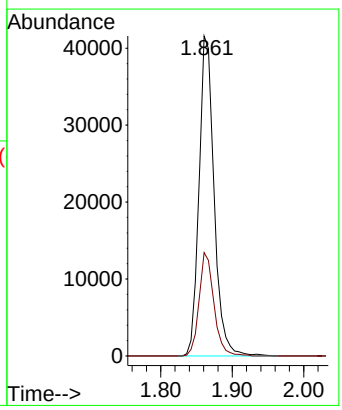
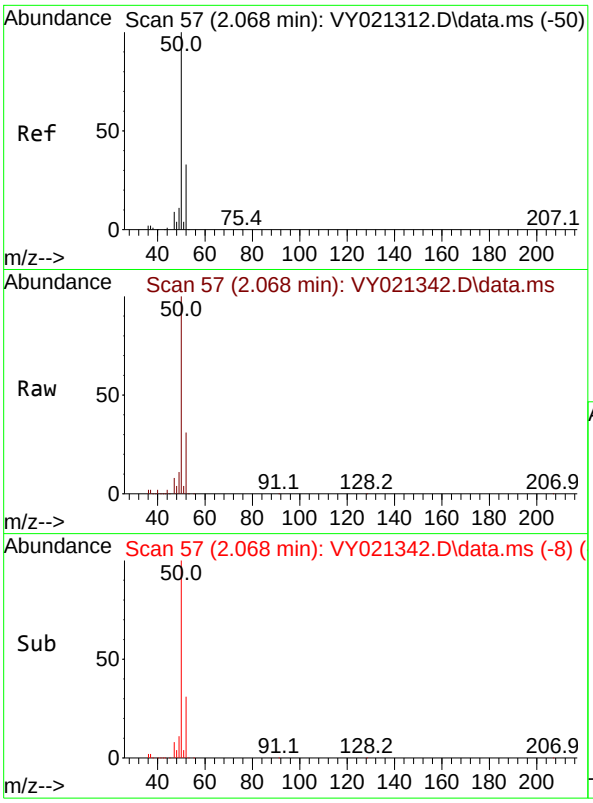


#2
Dichlorodifluoromethane
Concen: 40.959 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 85 Resp: 61061

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4

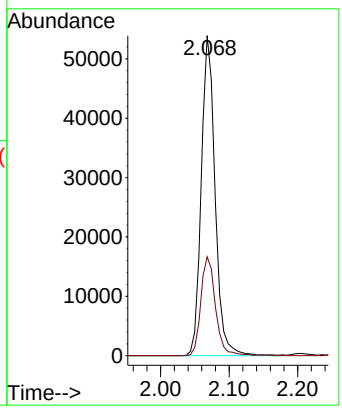




#3
Chloromethane
Concen: 39.374 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 50 Resp: 7580

Ion	Ratio	Lower	Upper
50	100		
52	30.9	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
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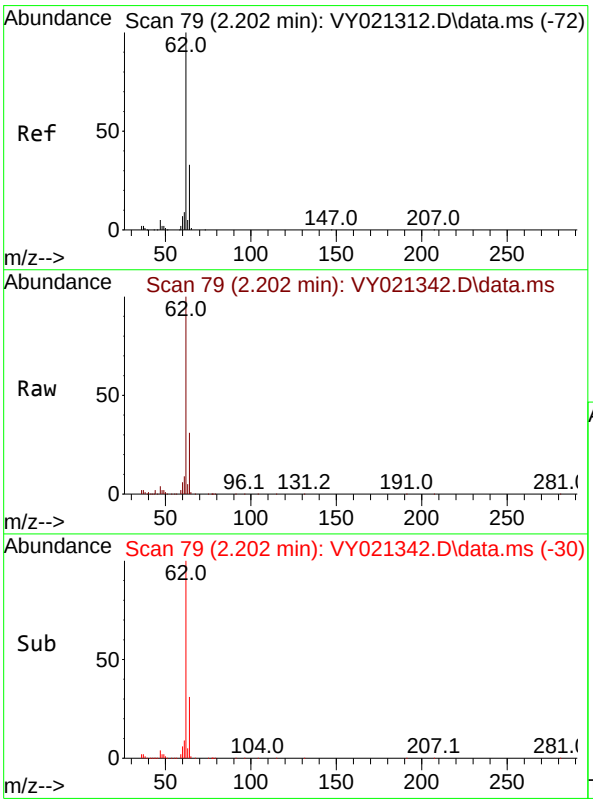
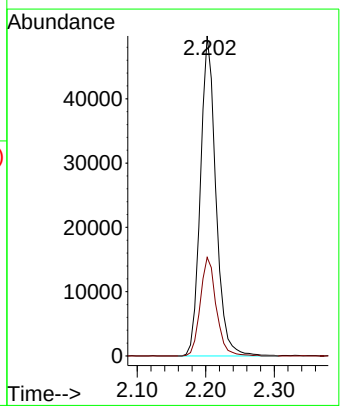
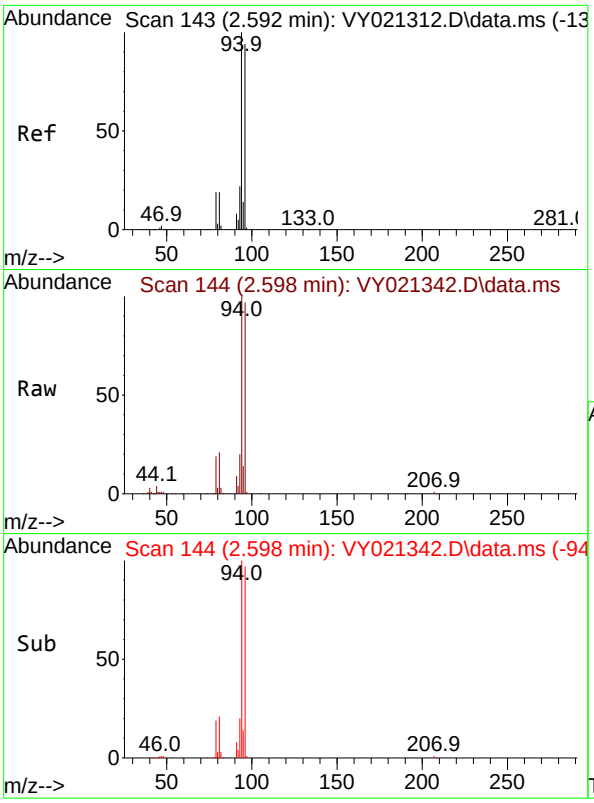


#4
Vinyl Chloride
Concen: 41.488 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 62 Resp: 78401

Ion	Ratio	Lower	Upper
62	100		
64	30.8	26.3	39.5





#5
Bromomethane
Concen: 41.023 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 94 Resp: 5151(

Ion	Ratio	Lower	Upper
94	100		
96	96.7	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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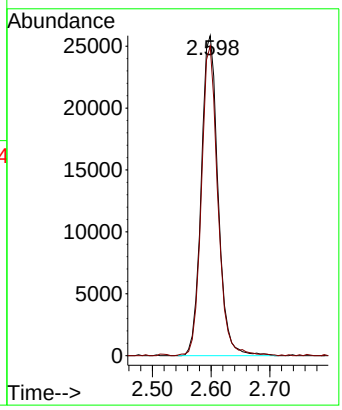
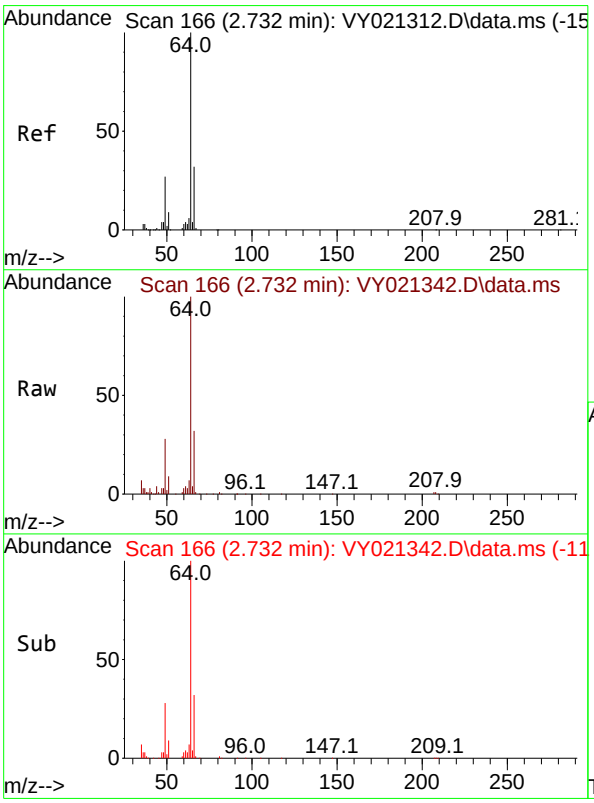
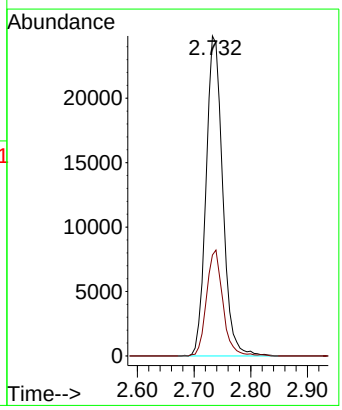


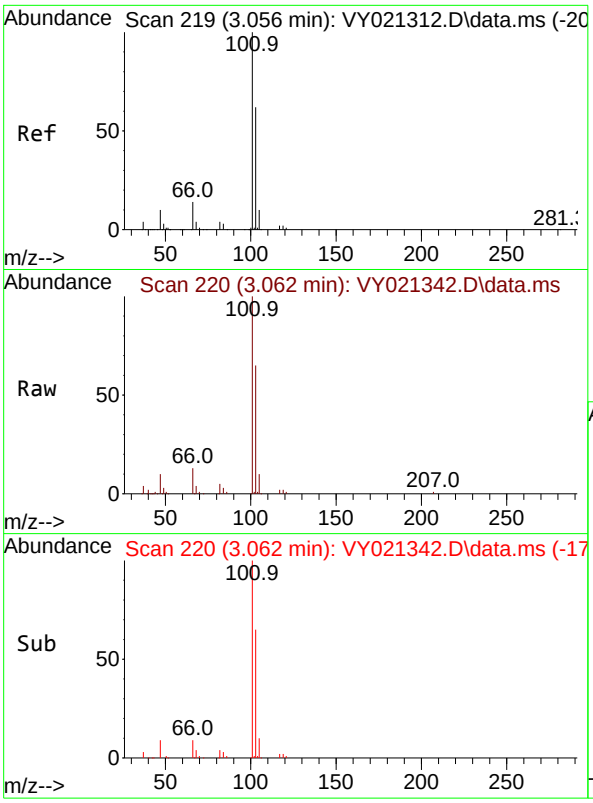


#6
Chloroethane
Concen: 43.200 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 64 Resp: 50624

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.4	38.0

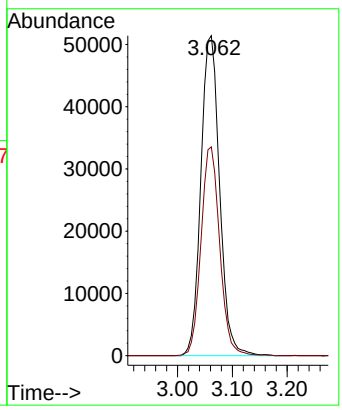




#7
Trichlorofluoromethane
Concen: 42.702 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:101 Resp: 12186

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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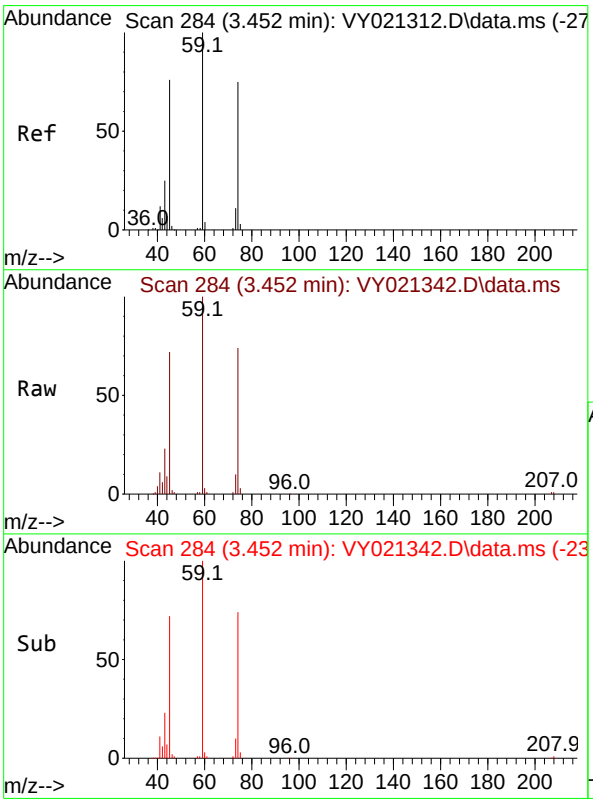
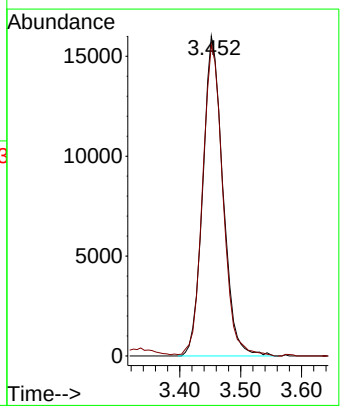
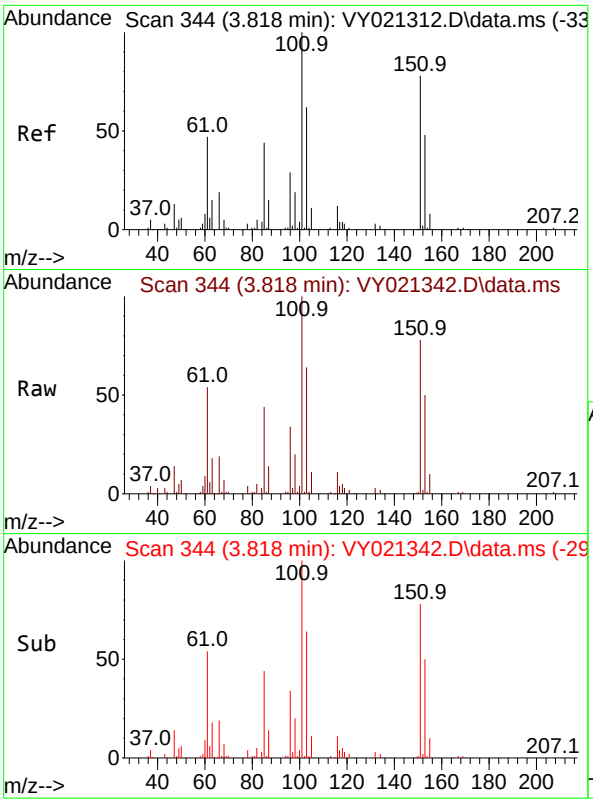


#8
Diethyl Ether
Concen: 42.853 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 74 Resp: 36706

Ion	Ratio	Lower	Upper
74	100		
45	98.4	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.030 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:101 Resp: 6614

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.7	55.1
151	78.5	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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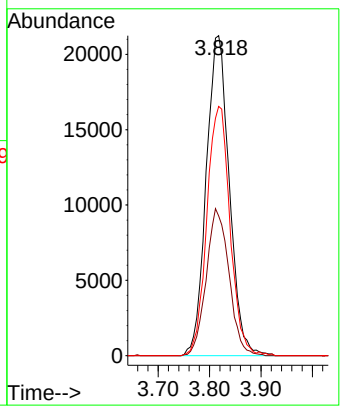
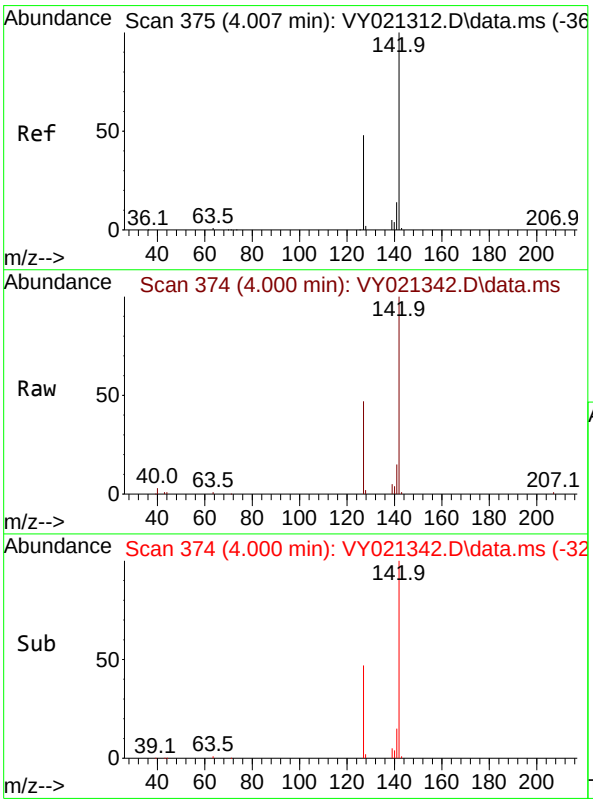
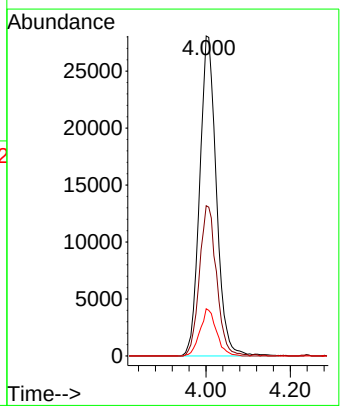


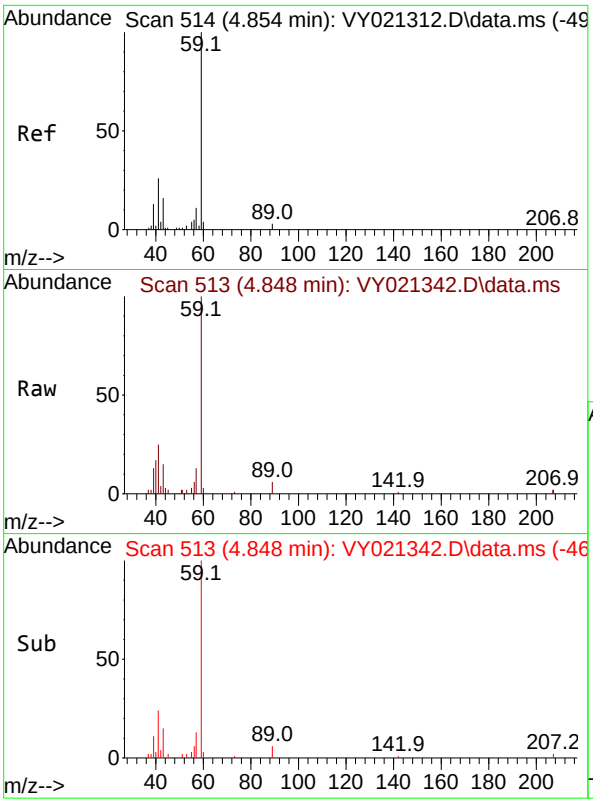


#10
Methyl Iodide
Concen: 44.492 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:142 Resp: 77342

Ion	Ratio	Lower	Upper
142	100		
127	48.1	39.2	58.8
141	14.5	11.4	17.2

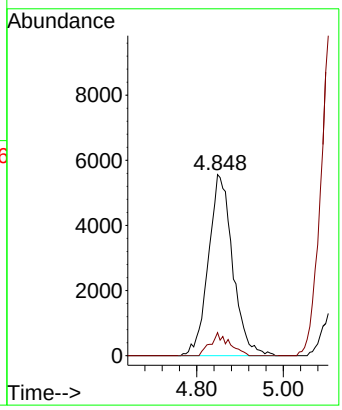




#11
Tert butyl alcohol
Concen: 157.938 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 59 Resp: 2166

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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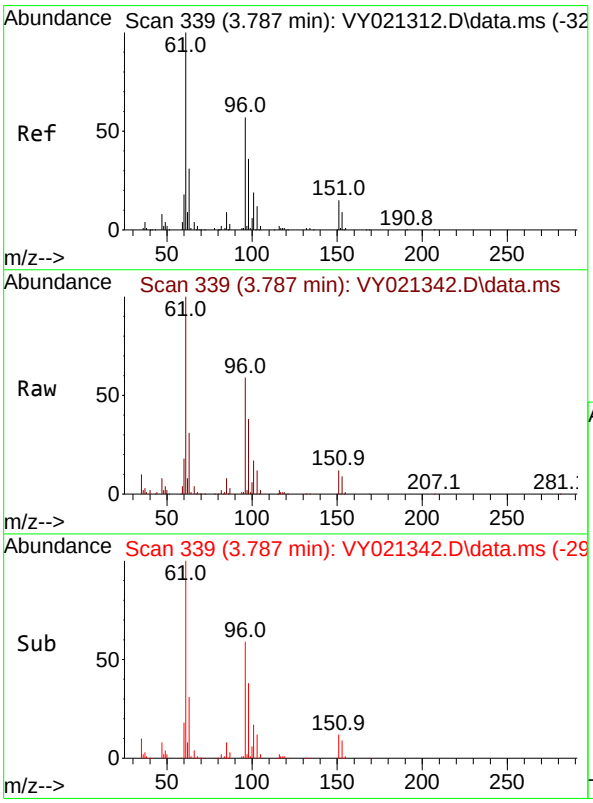
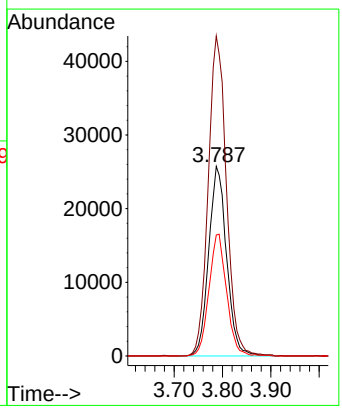
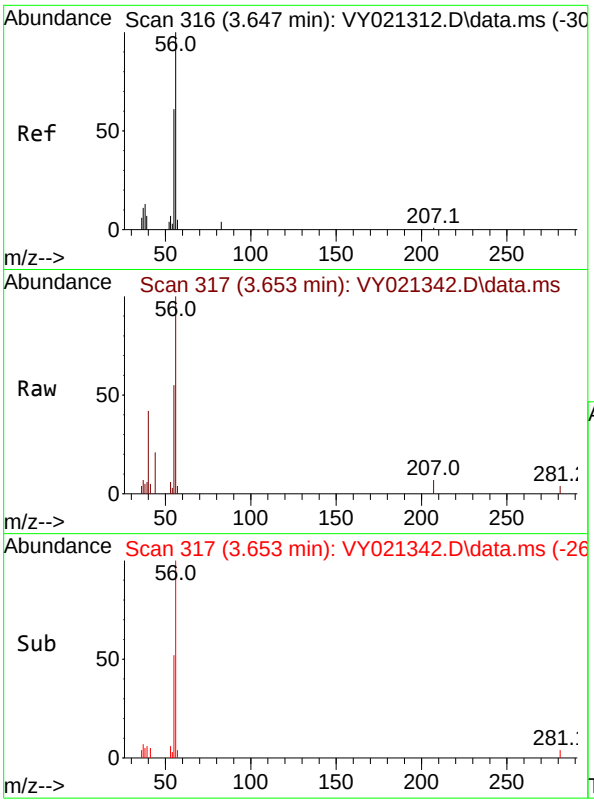


#12
1,1-Dichloroethene
Concen: 41.875 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 96 Resp: 66249

Ion	Ratio	Lower	Upper
96	100		
61	168.8	139.7	209.5
98	63.8	49.7	74.5

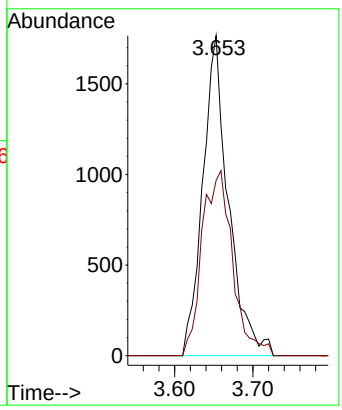




#13
Acrolein
Concen: 38.245 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 56 Resp: 402

Ion	Ratio	Lower	Upper
56	100		
55	68.7	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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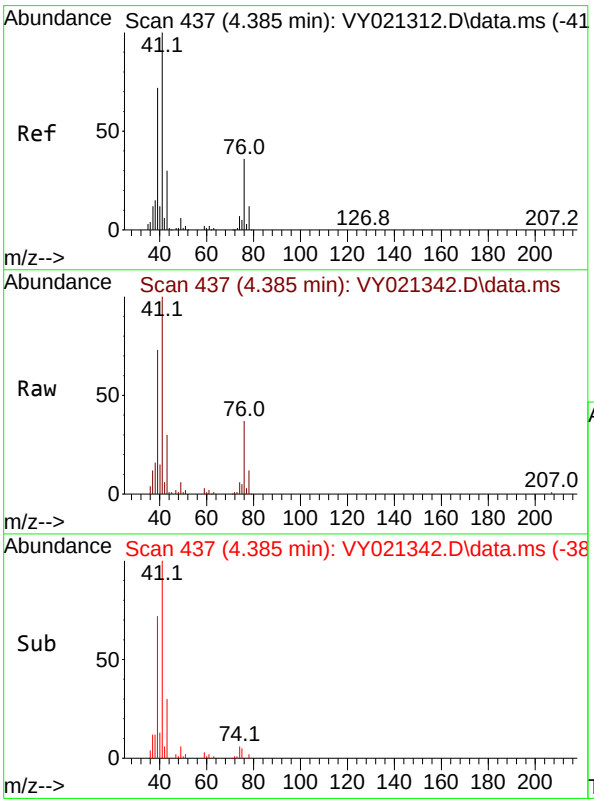
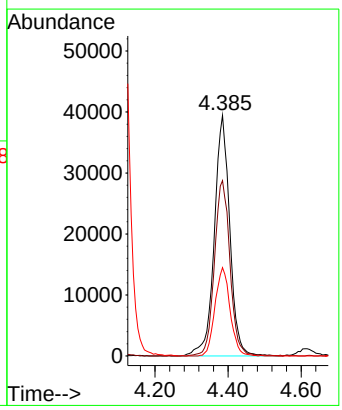
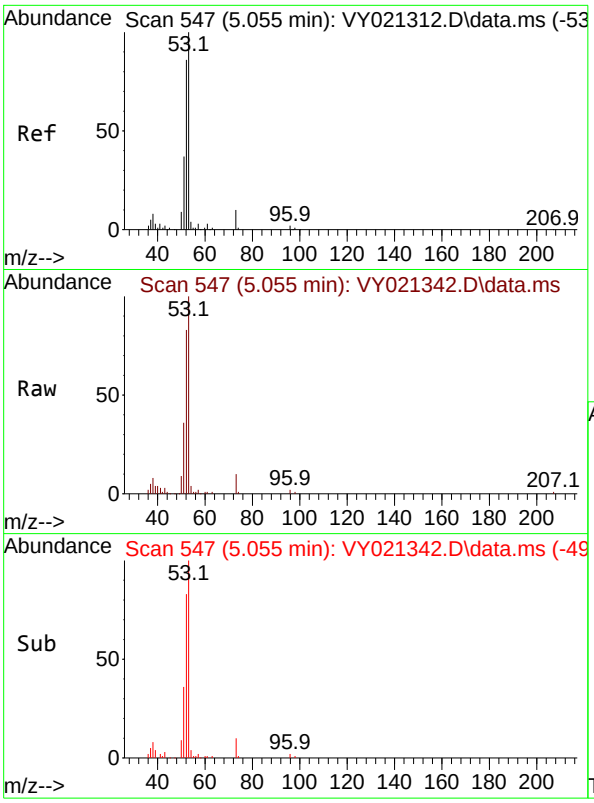


#14
Allyl chloride
Concen: 41.440 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 41 Resp: 116238

Ion	Ratio	Lower	Upper
41	100		
39	73.2	60.0	90.0
76	35.8	29.0	43.6





#15
Acrylonitrile
Concen: 206.399 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 53 Resp: 7816

Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.5	98.3
51	37.6	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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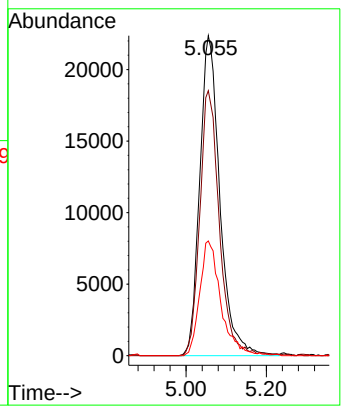
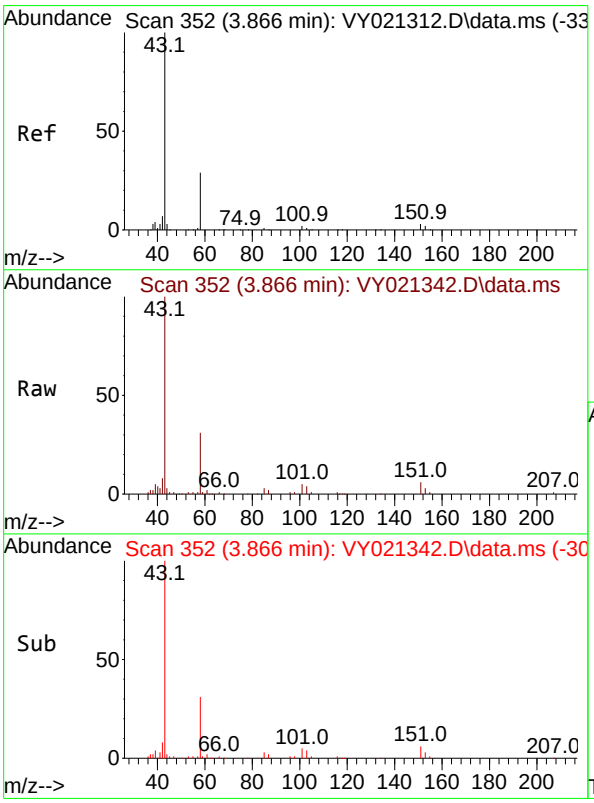
Supervised By :Mahesh Dadoda 02/27/2025

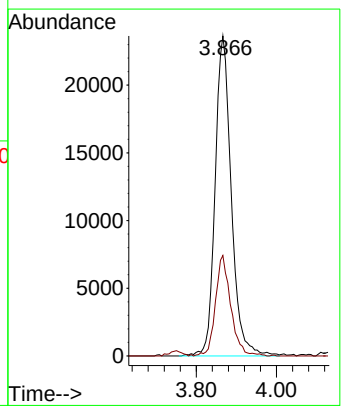


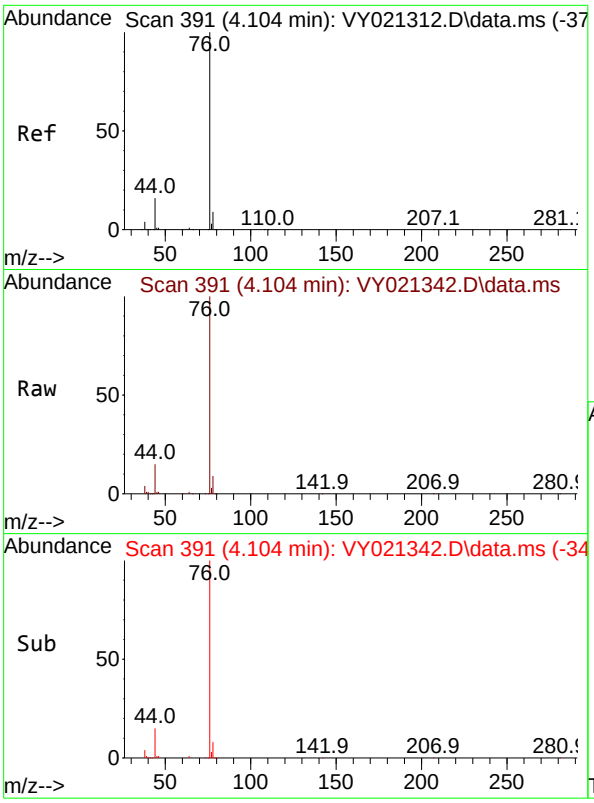


#16
Acetone
Concen: 193.537 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 66220

Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.5	35.3





#17
Carbon Disulfide
Concen: 42.578 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 76 Resp: 22367

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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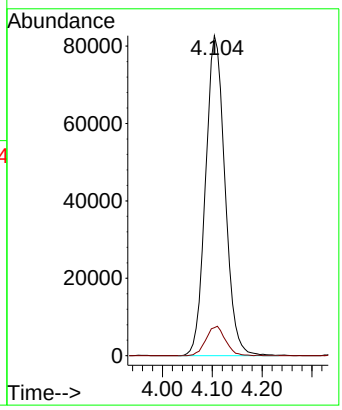
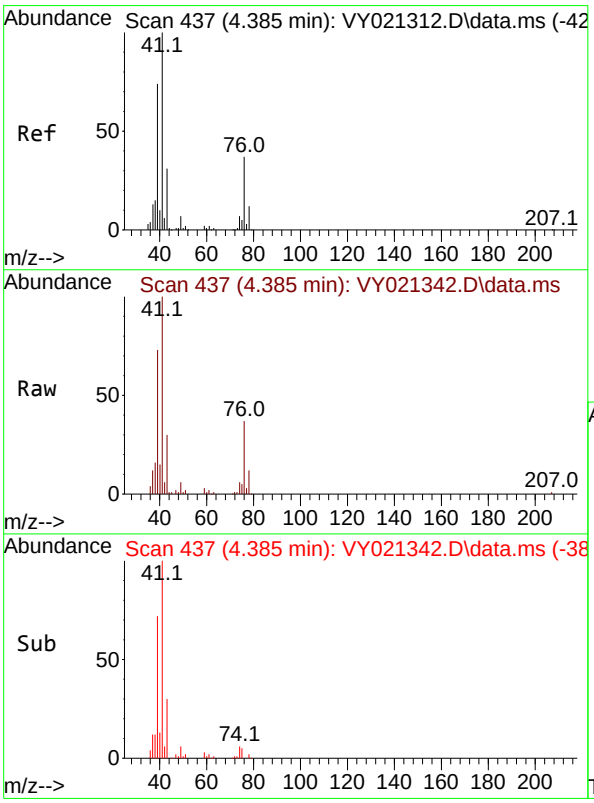
Supervised By :Mahesh Dadoda 02/27/2025

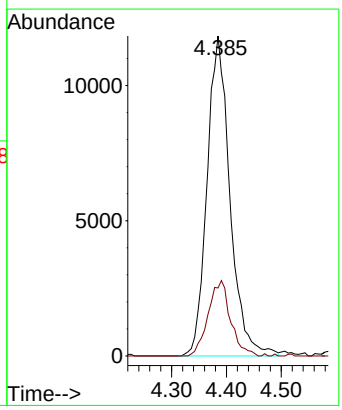


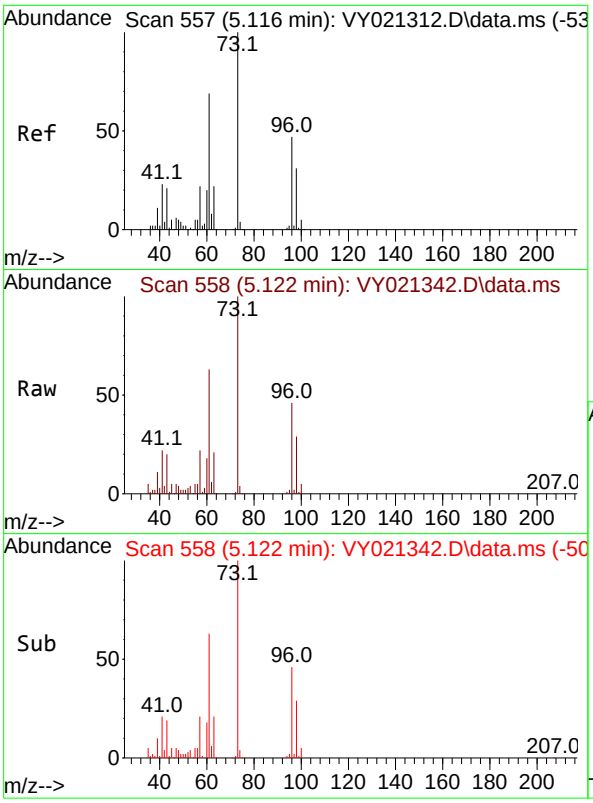


#18
Methyl Acetate
Concen: 41.017 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 34298

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.7	26.5

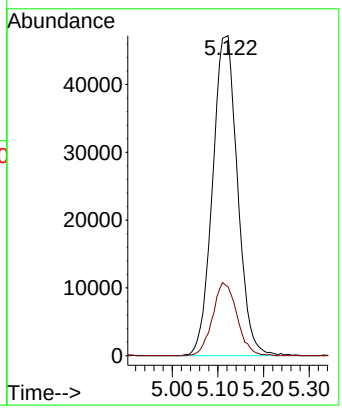




#19
Methyl tert-butyl Ether
Concen: 42.851 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 73 Resp: 17911

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
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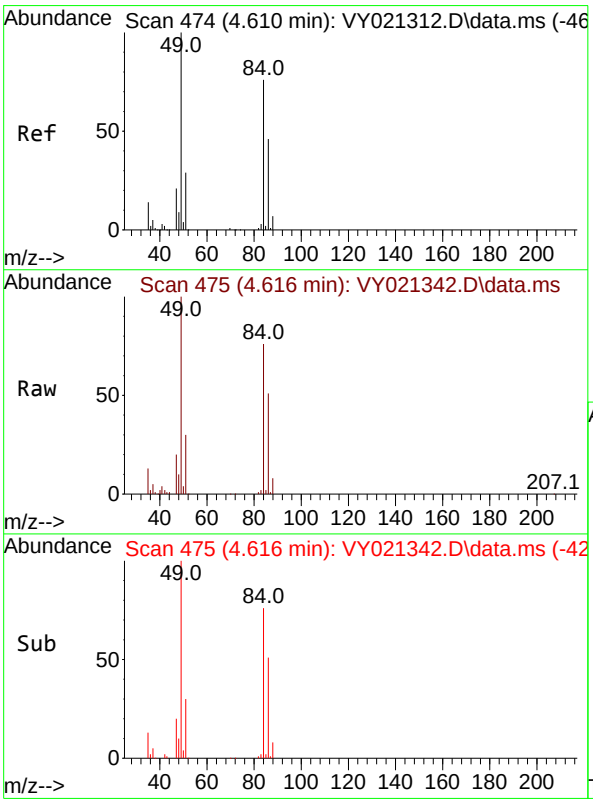
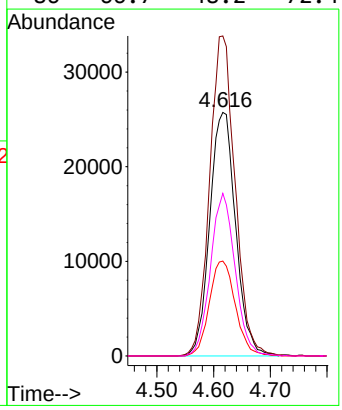
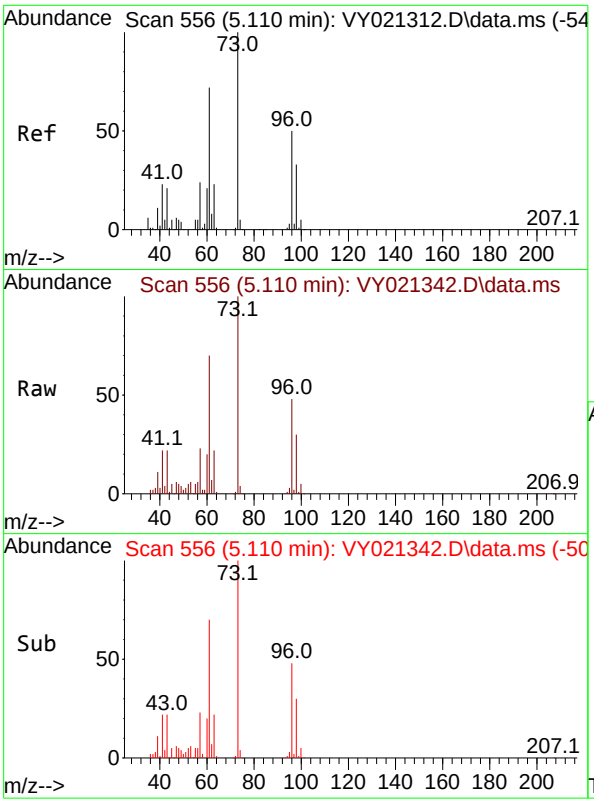


#20
Methylene Chloride
Concen: 44.072 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 84 Resp: 81543

Ion	Ratio	Lower	Upper
84	100		
49	131.4	105.1	157.7
51	39.0	31.0	46.4
86	66.7	48.2	72.4

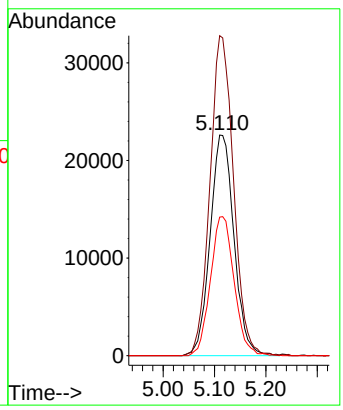




#21
trans-1,2-Dichloroethene
Concen: 41.909 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 96 Resp: 7299

Ion	Ratio	Lower	Upper
96	100		
61	145.0	116.3	174.5
98	62.8	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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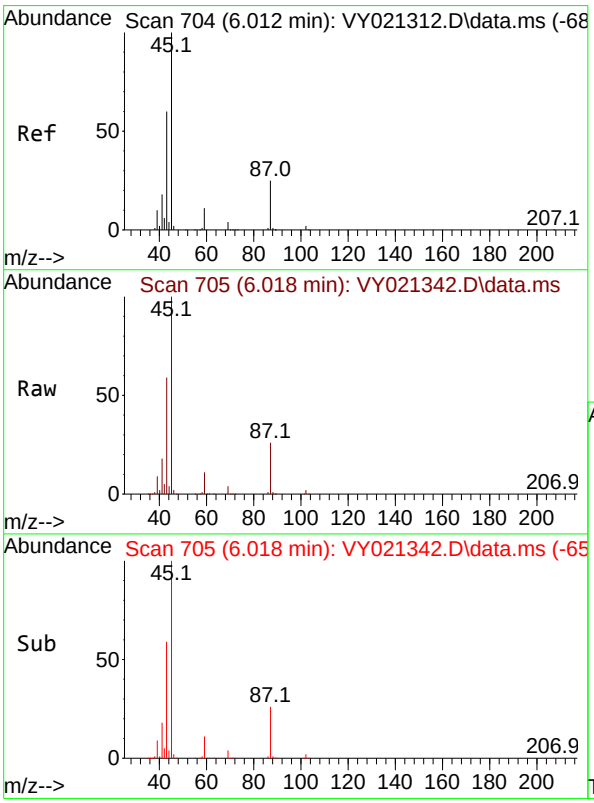
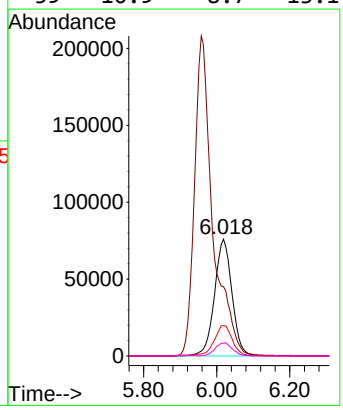
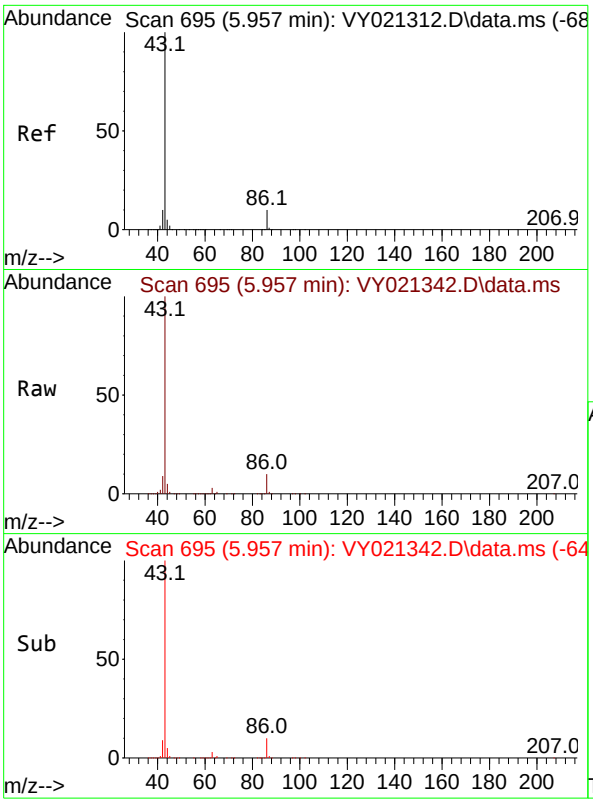


#22
Diisopropyl ether
Concen: 43.608 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 45 Resp: 253120

Ion	Ratio	Lower	Upper
45	100		
43	58.9	48.2	72.4
87	25.8	20.3	30.5
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 207.762 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 72064

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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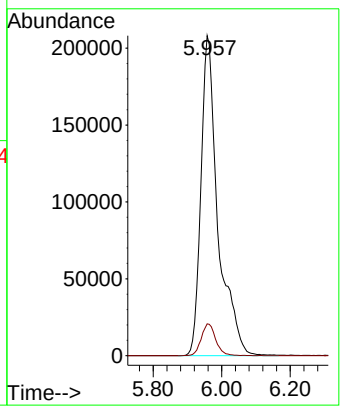
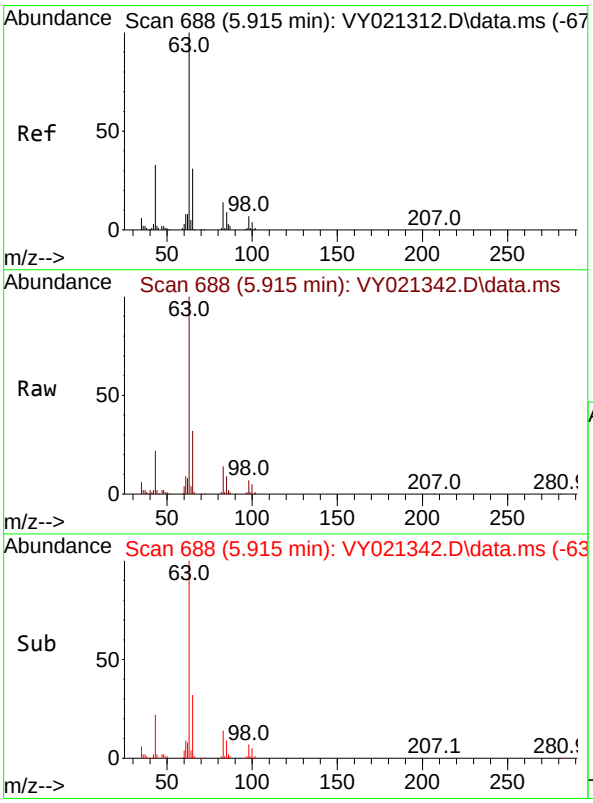
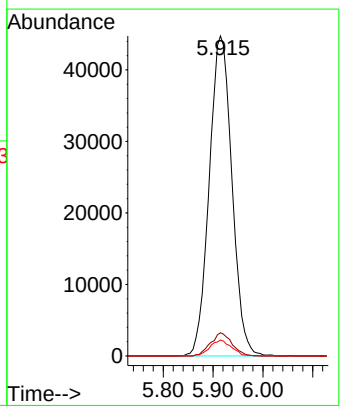


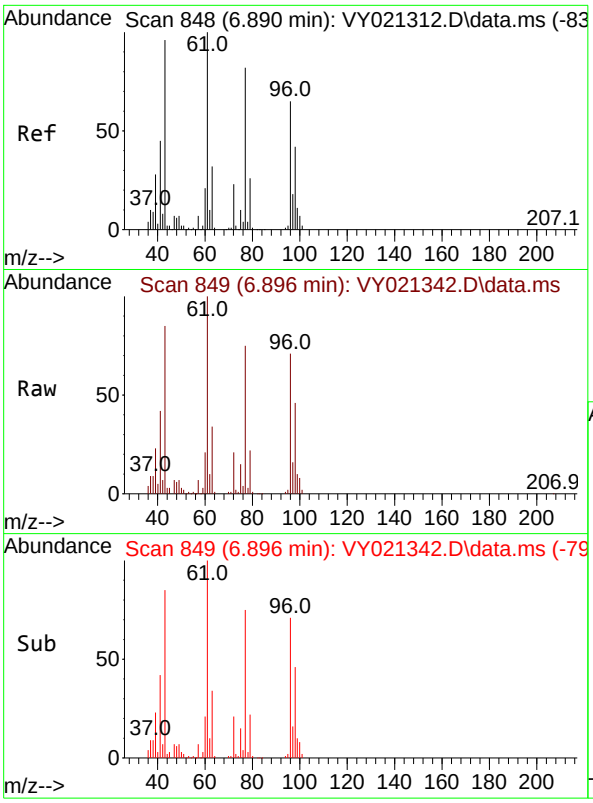


#24
1,1-Dichloroethane
Concen: 43.249 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 63 Resp: 141491

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 188.778 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 9748

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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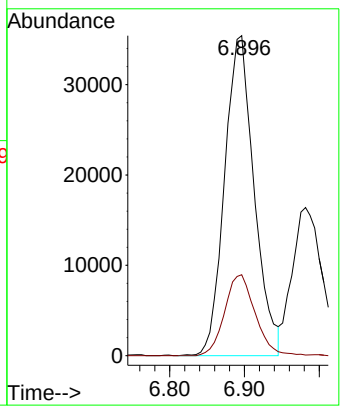
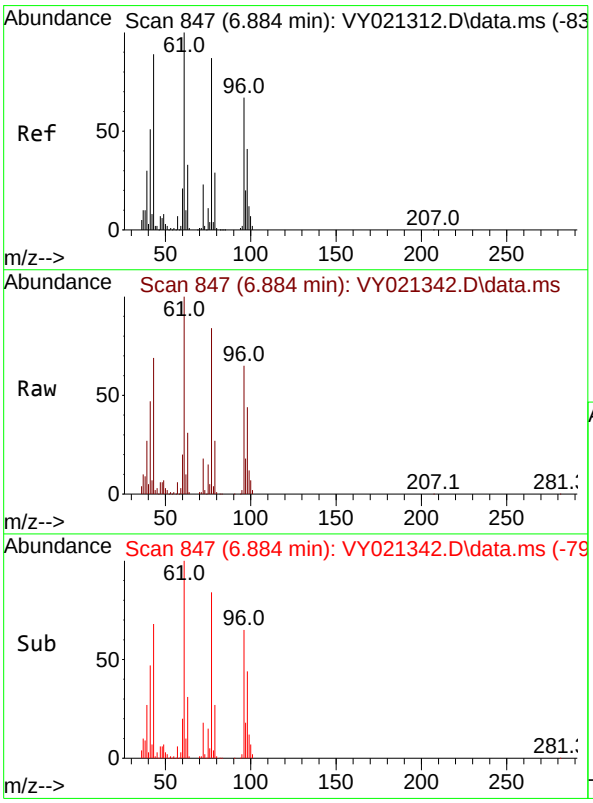
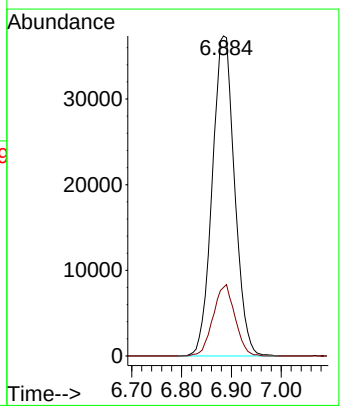


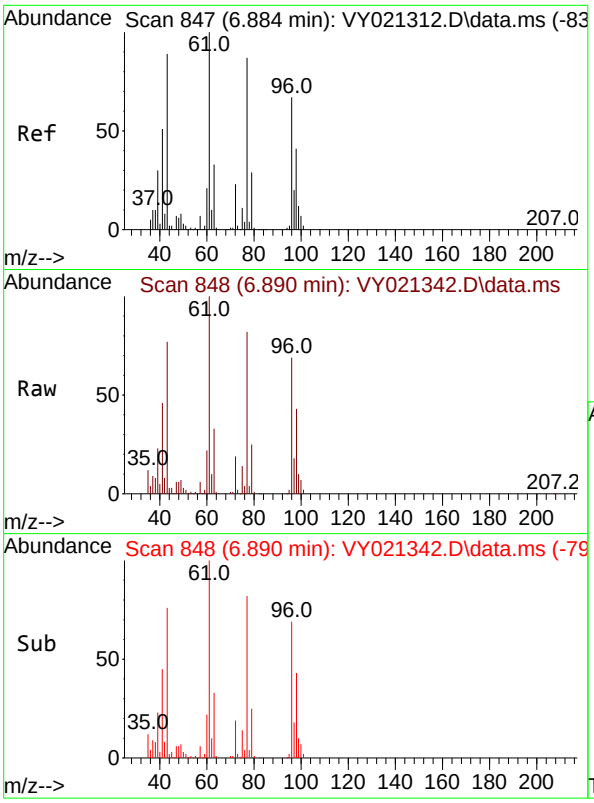


#26
2,2-Dichloropropane
Concen: 39.124 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 77 Resp: 116141

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

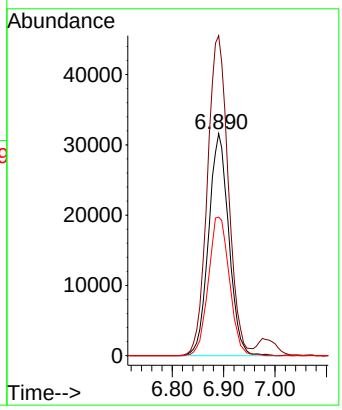




#27
cis-1,2-Dichloroethene
Concen: 43.326 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 96 Resp: 8616

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	308.0
98	65.2	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
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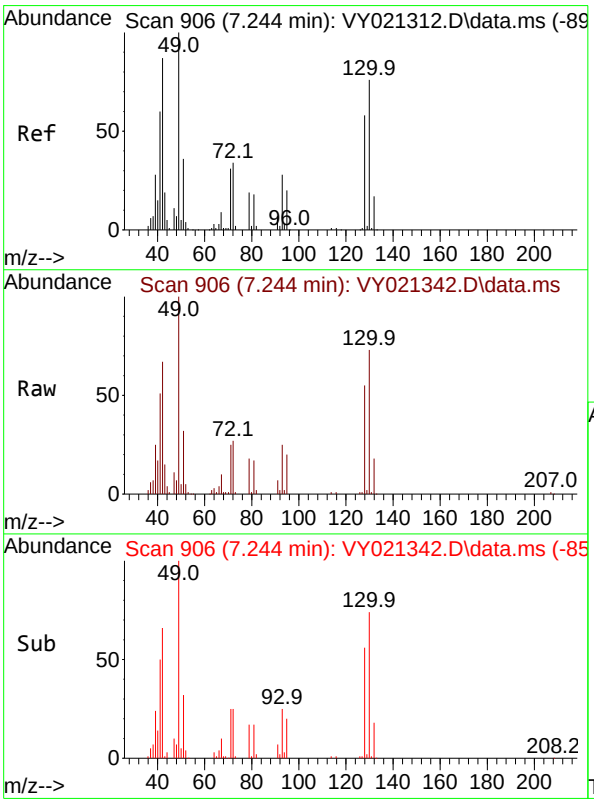
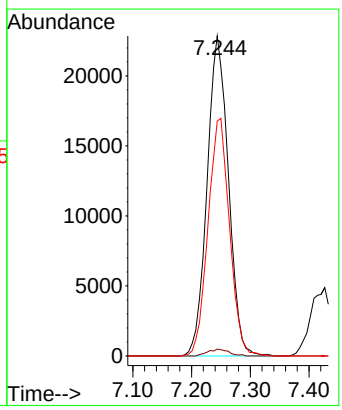
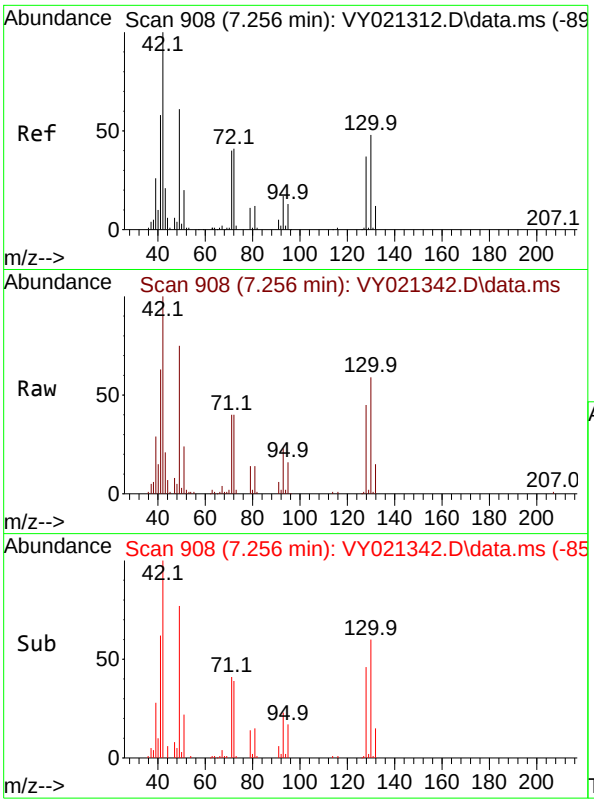


#28
Bromochloromethane
Concen: 39.820 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 49 Resp: 57642

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	74.9	57.8	86.6

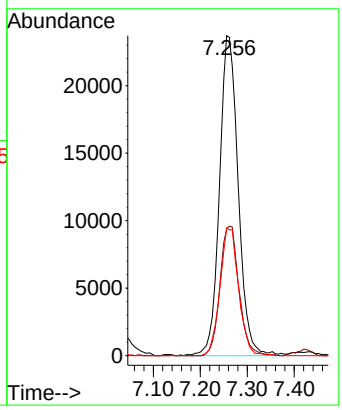




#29
Tetrahydrofuran
Concen: 194.942 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 42 Resp: 6580

Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	39.6	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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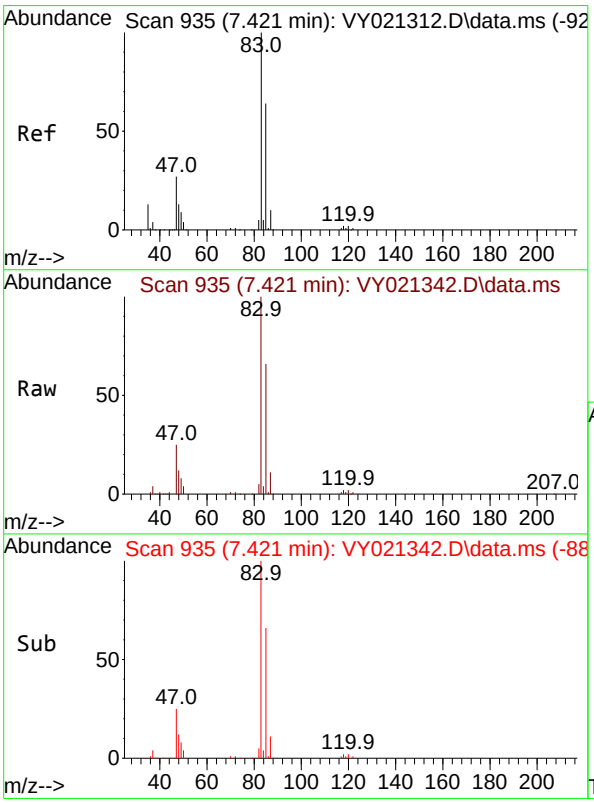
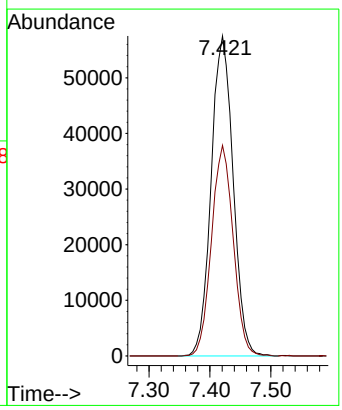
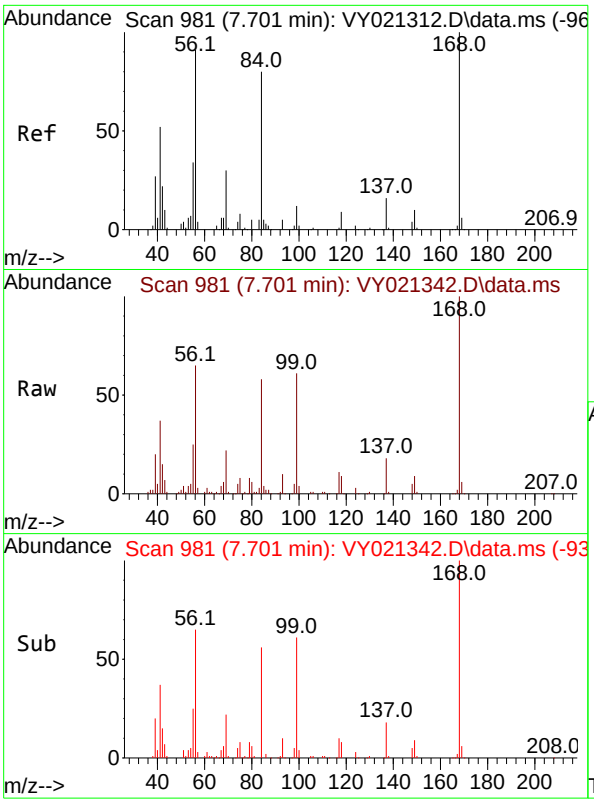


#30
Chloroform
Concen: 43.472 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 83 Resp: 144111

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.6	77.4





#31
Cyclohexane
Concen: 32.222 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 56 Resp: 10133

Ion	Ratio	Lower	Upper
56	100		
69	34.7	26.2	39.4
84	88.0	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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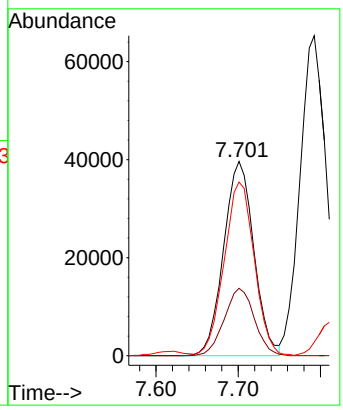
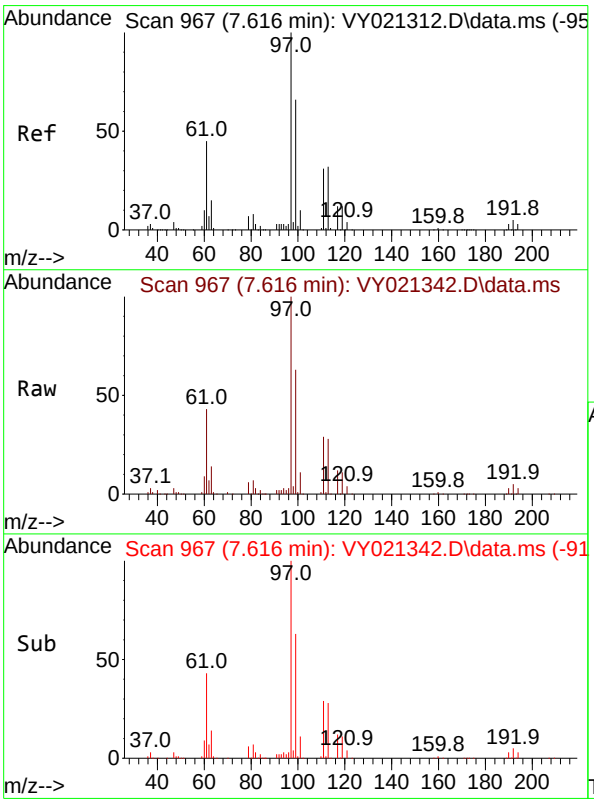
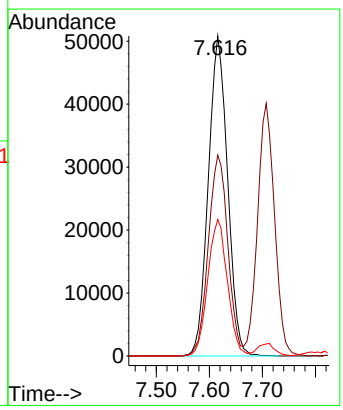


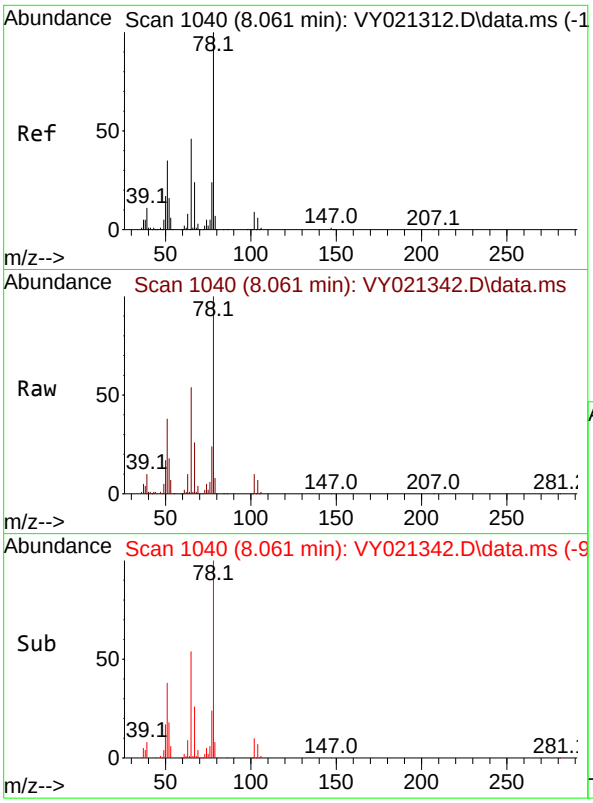


#32
1,1,1-Trichloroethane
Concen: 42.585 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 97 Resp: 128495

Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	43.5	36.2	54.2

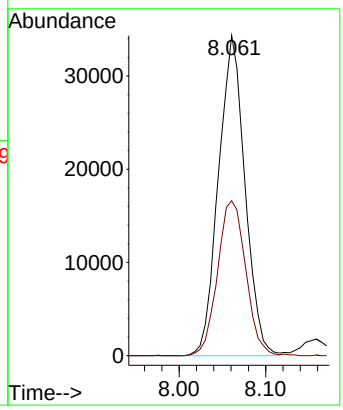




#33
1,2-Dichloroethane-d4
Concen: 40.910 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 65 Resp: 7297

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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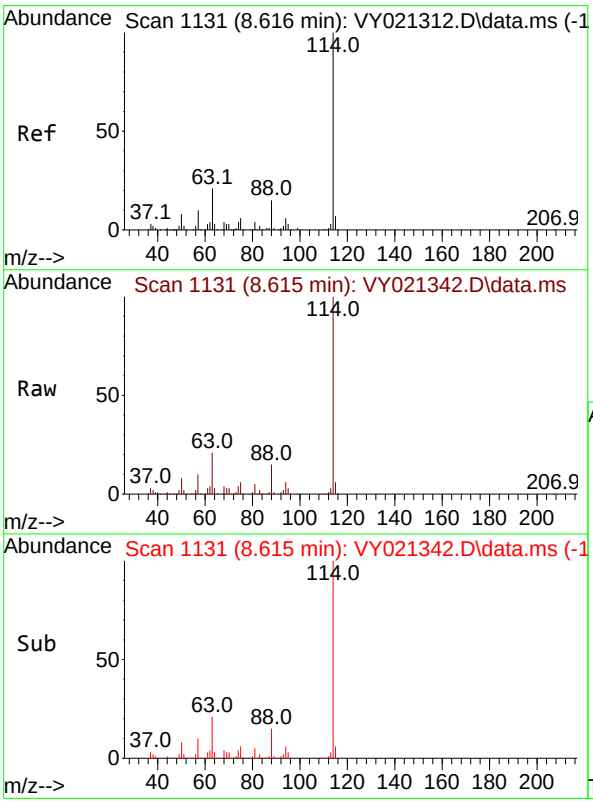
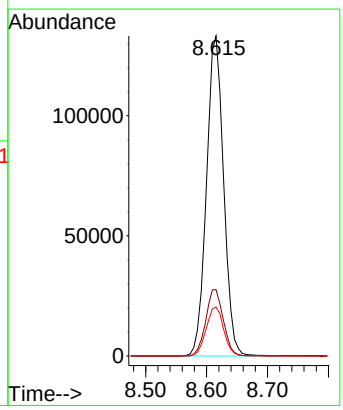
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

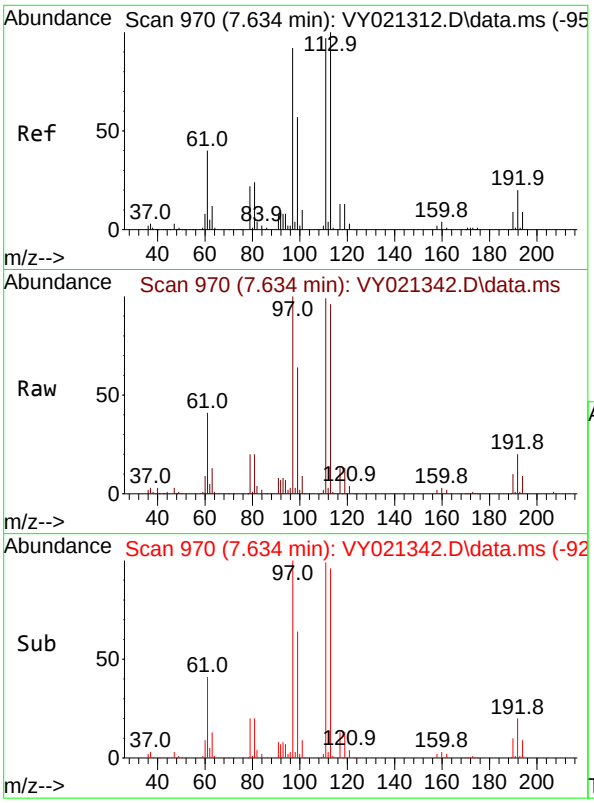


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:114 Resp: 260195

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.2
88	15.3	0.0	29.8

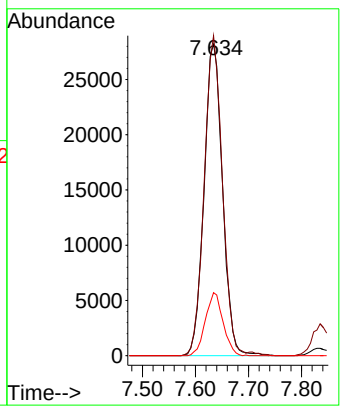




#35
Dibromofluoromethane
Concen: 39.881 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:113 Resp: 6803

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.0	121.6
192	19.4	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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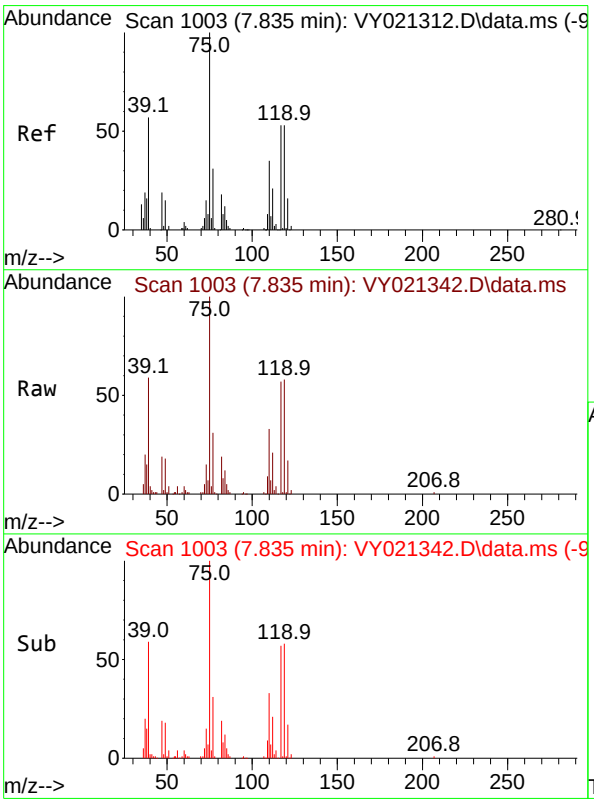
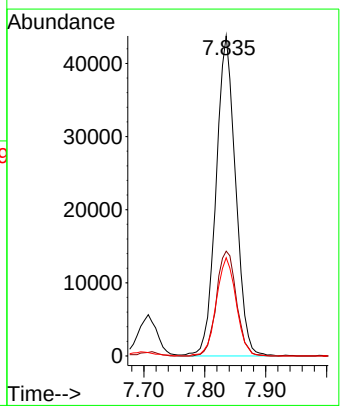
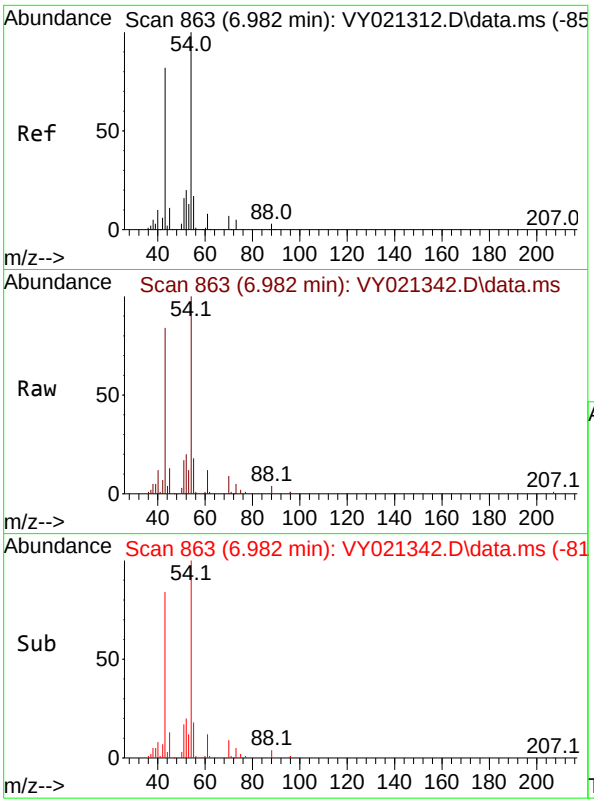


#36
1,1-Dichloropropene
Concen: 38.087 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 97595

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	31.1	24.6	36.8





#37
Ethyl Acetate
Concen: 36.388 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 4638

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.2	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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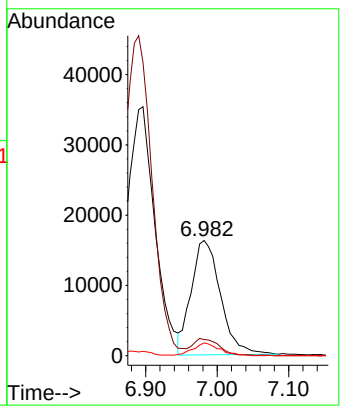
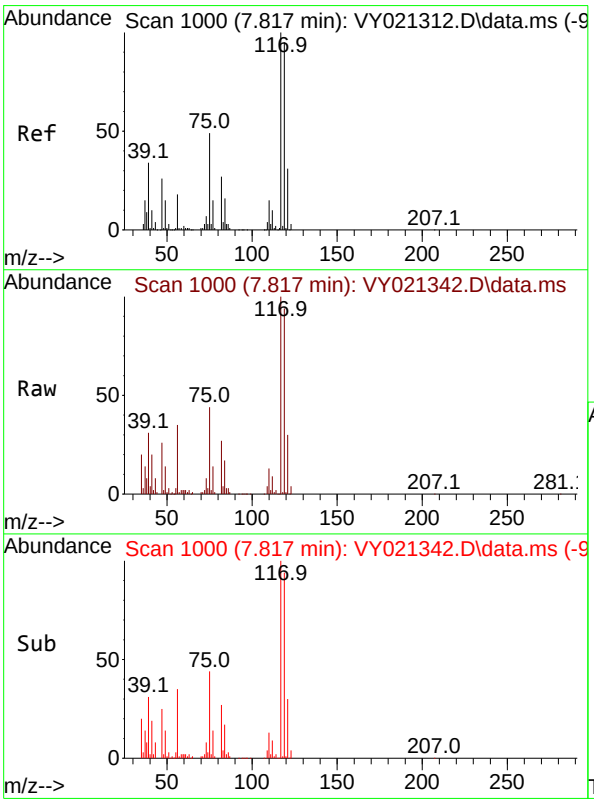
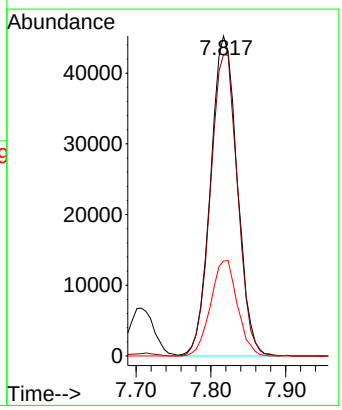


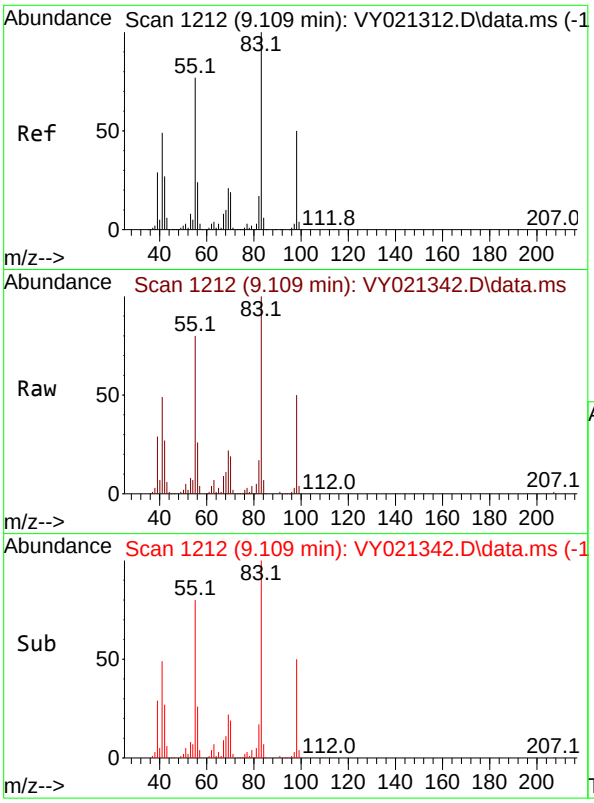


#38
Carbon Tetrachloride
Concen: 39.004 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:117 Resp: 112360

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.0	114.0
121	29.7	24.9	37.3





#39
Methylcyclohexane
Concen: 23.407 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 83 Resp: 7586

Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.3	91.9
98	50.2	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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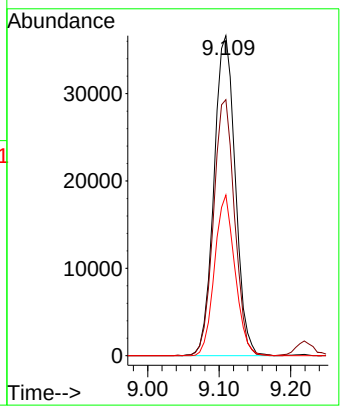
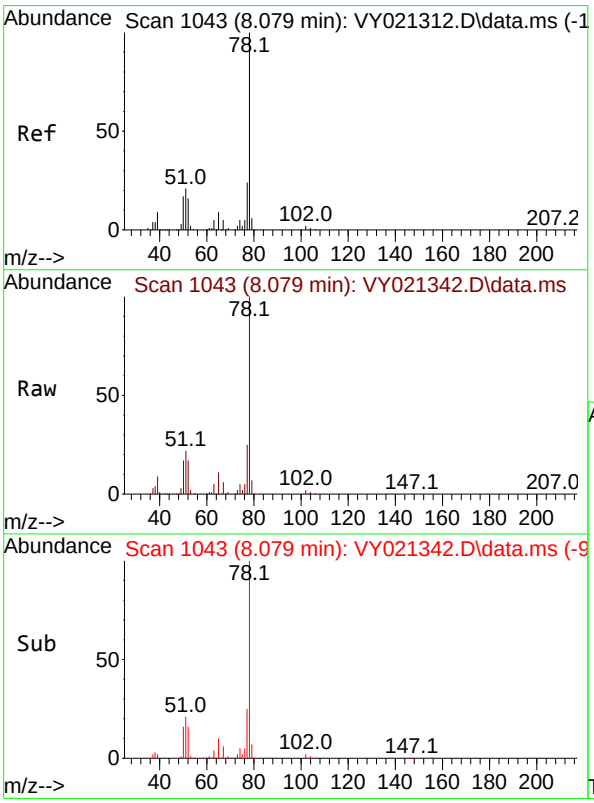
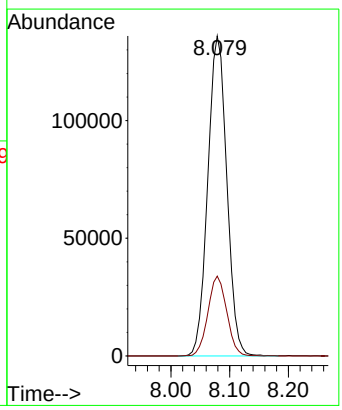


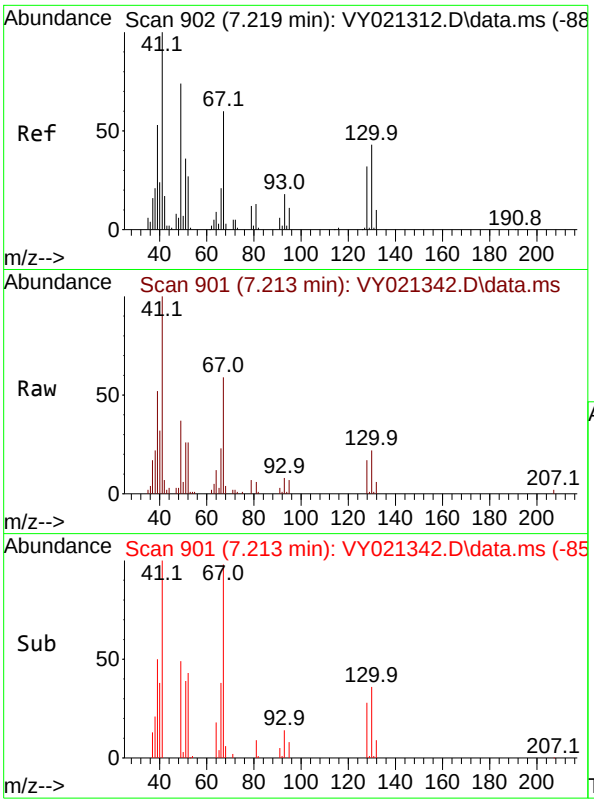


#40
Benzene
Concen: 40.385 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 78 Resp: 305903

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8

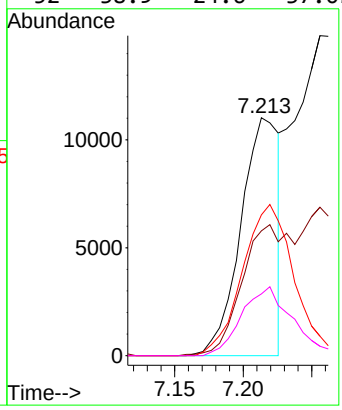




#41
Methacrylonitrile
Concen: 30.058 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 41 Resp: 2142

Ion	Ratio	Lower	Upper
41	100		
39	72.1	42.3	63.5#
67	86.8	54.8	82.2#
52	38.9	24.6	37.0#



Instrument :
MSVOA_Y
ClientSampleId :
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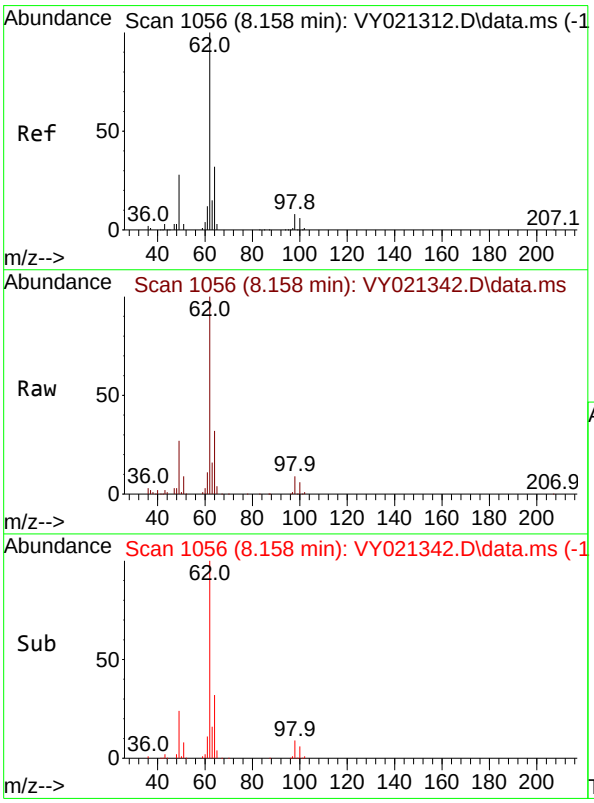
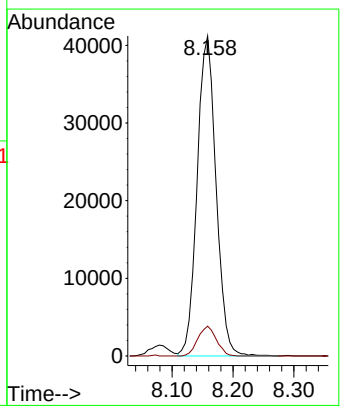
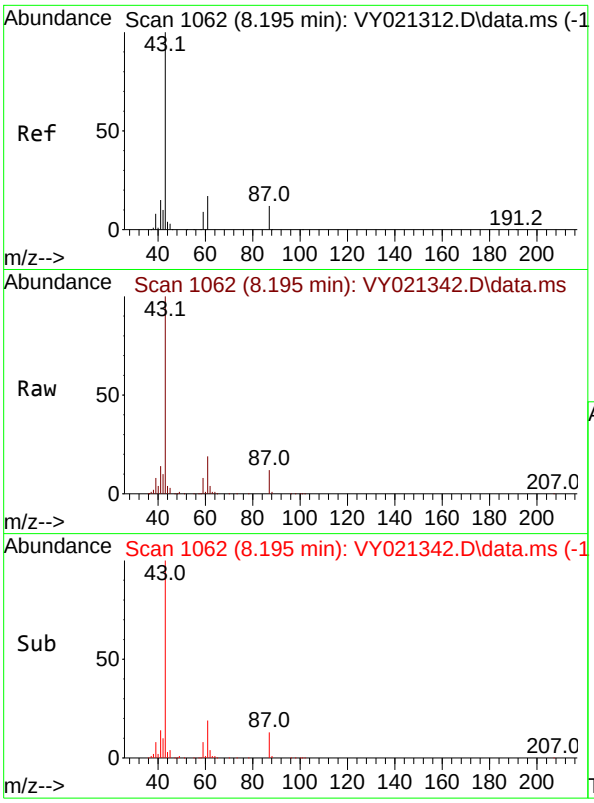


#42
1,2-Dichloroethane
Concen: 41.373 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 62 Resp: 88913

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

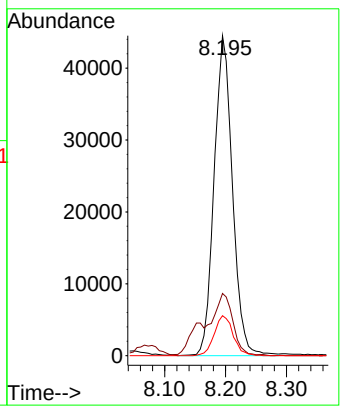




#43
Isopropyl Acetate
Concen: 37.845 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 9336

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.0	22.6
87	12.9	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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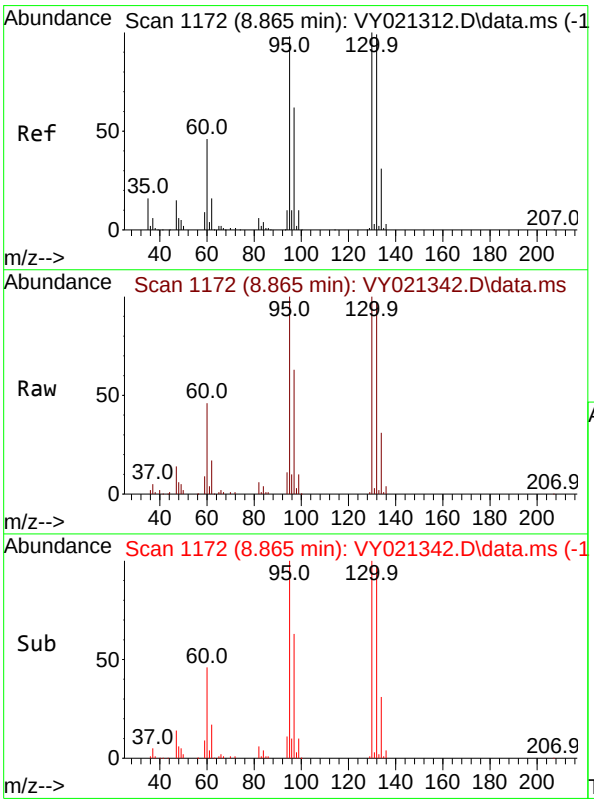
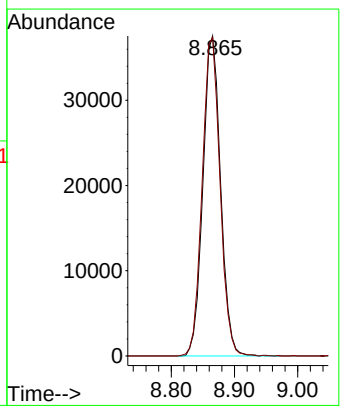
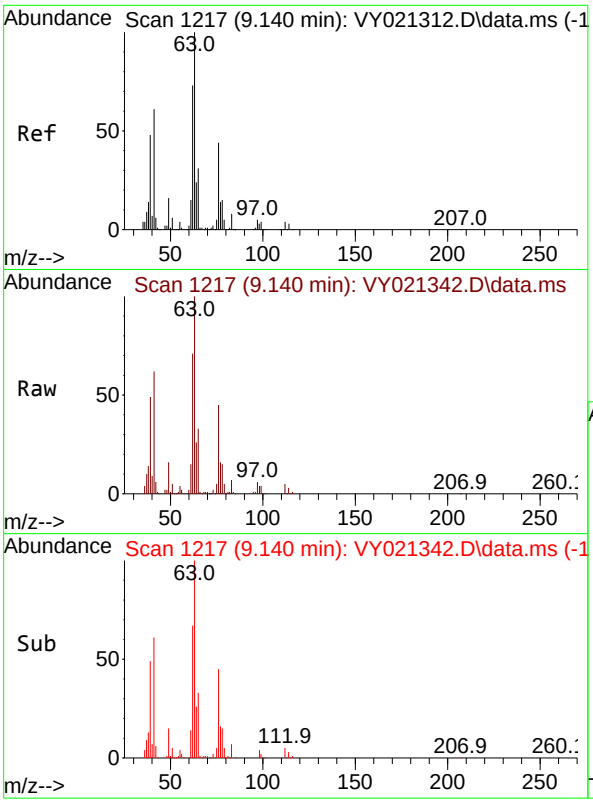


#44
Trichloroethene
Concen: 38.405 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:130 Resp: 72832

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	196.0

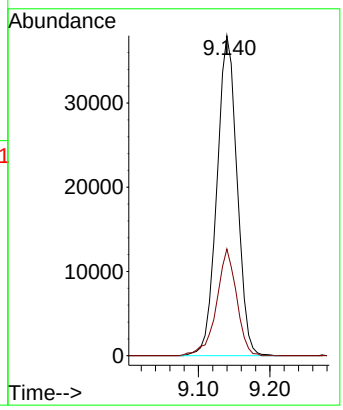




#45
1,2-Dichloropropane
Concen: 40.795 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 63 Resp: 7436

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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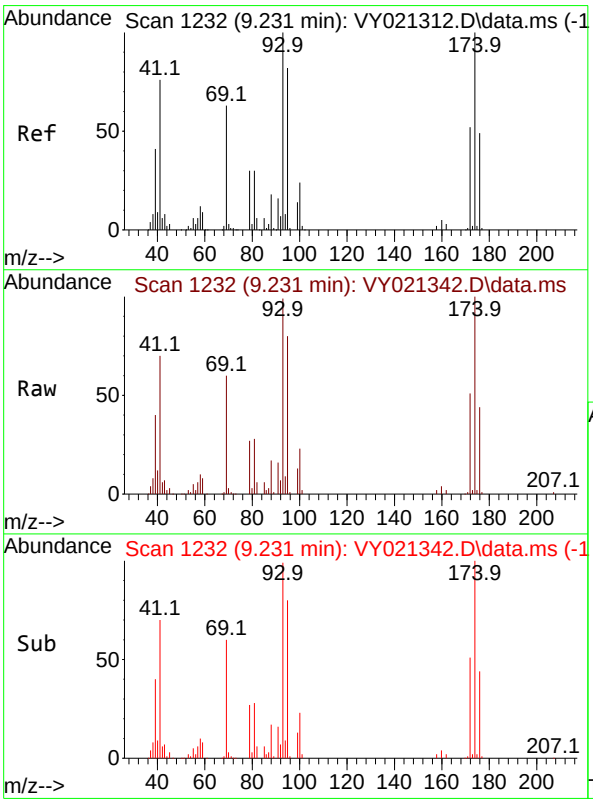
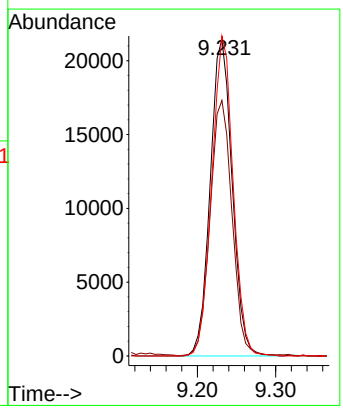
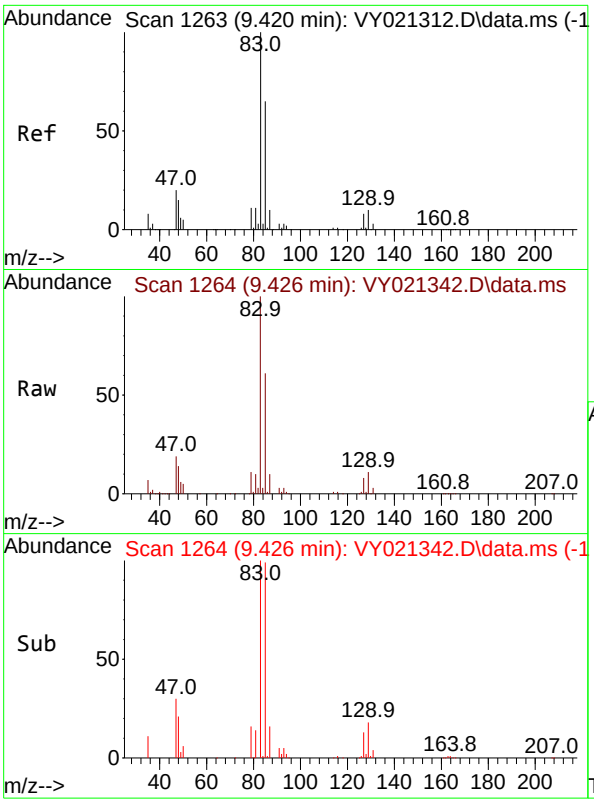


#46
Dibromomethane
Concen: 41.862 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 93 Resp: 41712

Ion	Ratio	Lower	Upper
93	100		
95	81.0	66.4	99.6
174	98.4	78.2	117.2

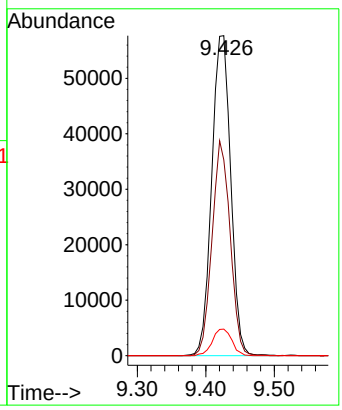




#47
Bromodichloromethane
Concen: 41.719 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 83 Resp: 11083

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.8	77.8
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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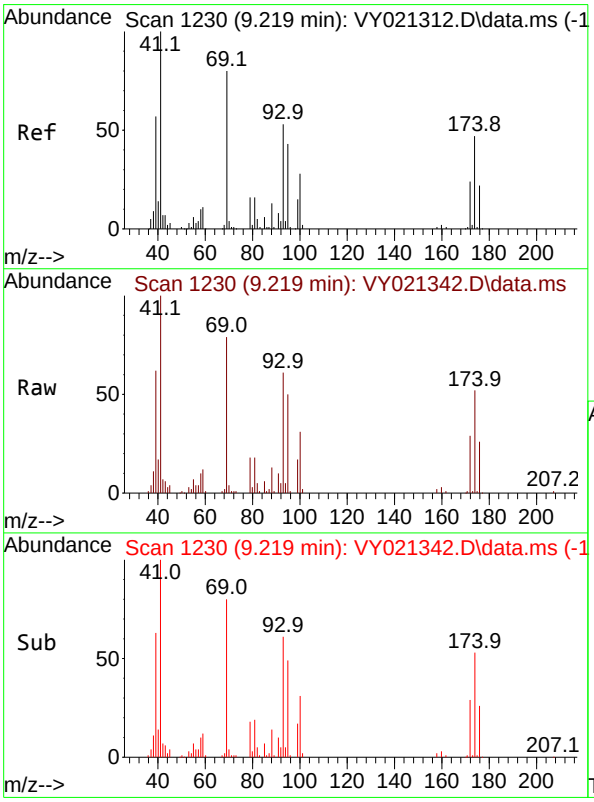
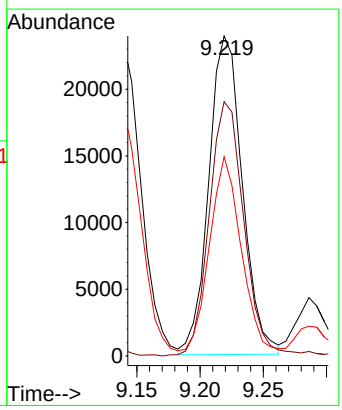
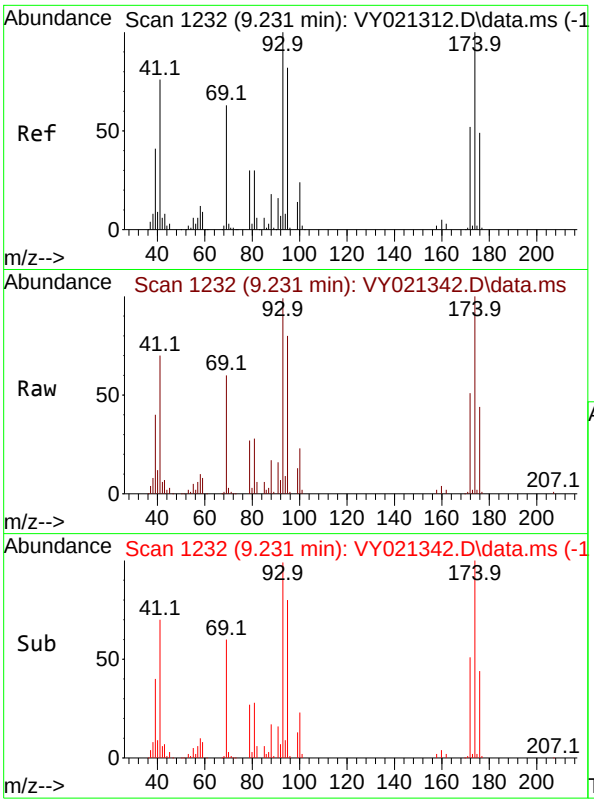


#48
Methyl methacrylate
Concen: 38.254 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 41 Resp: 44133

Ion	Ratio	Lower	Upper
41	100		
69	82.5	63.3	94.9
39	59.8	45.0	67.6





#49
1,4-Dioxane
Concen: 769.549 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 88 Resp: 852

Ion	Ratio	Lower	Upper
88	100		
43	38.7	34.8	52.2
58	75.6	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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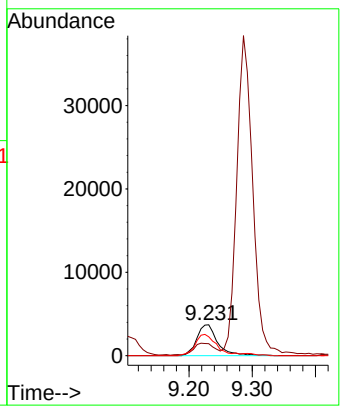
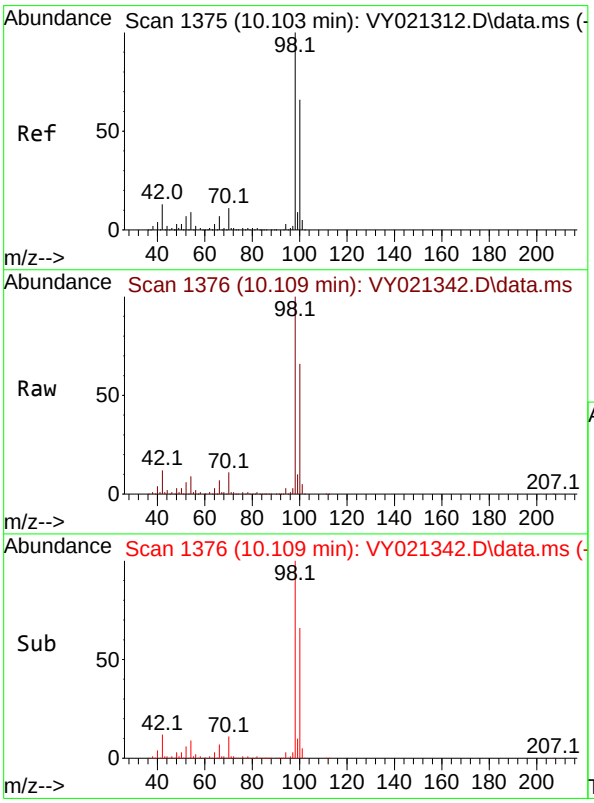
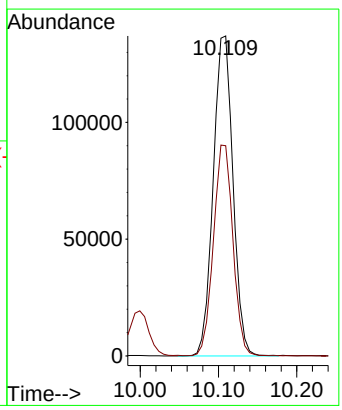


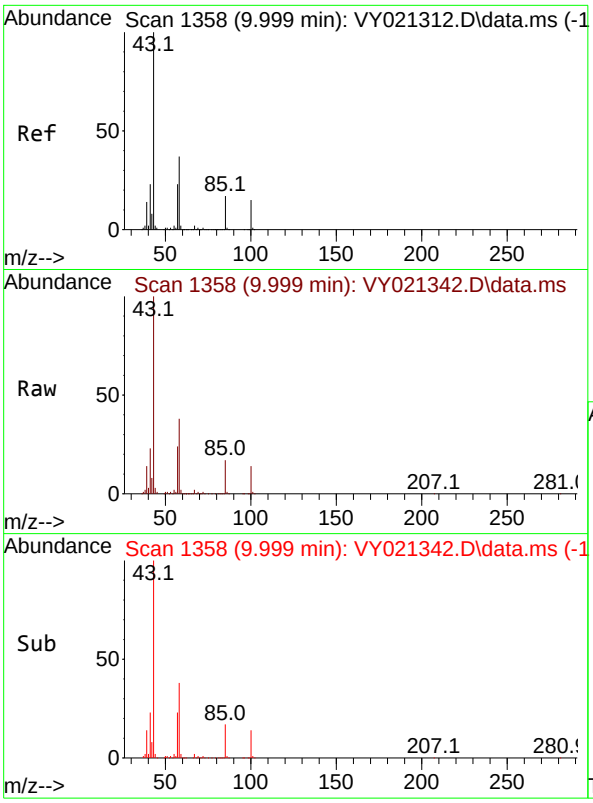


#50
Toluene-d8
Concen: 36.433 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 98 Resp: 240193

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6

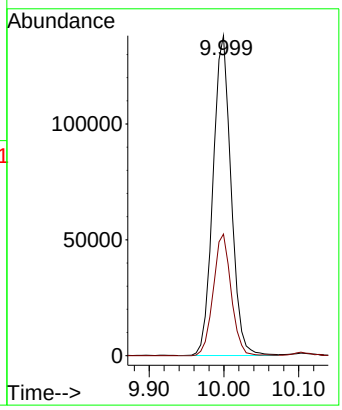




#51
4-Methyl-2-Pentanone
Concen: 183.451 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 23167

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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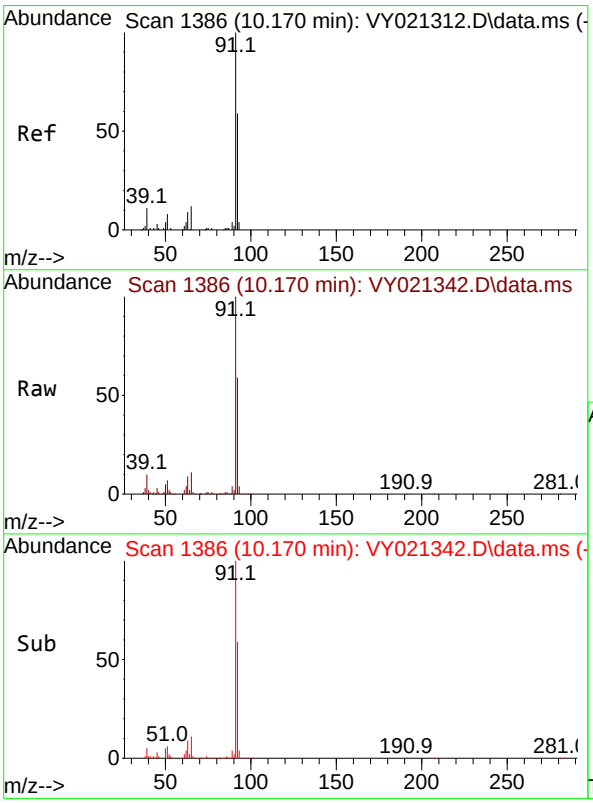
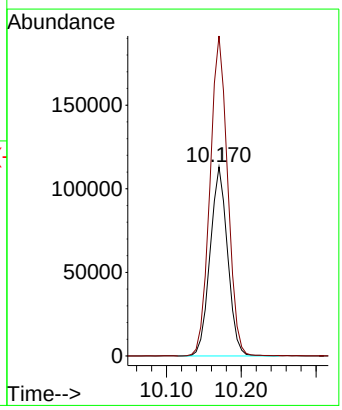
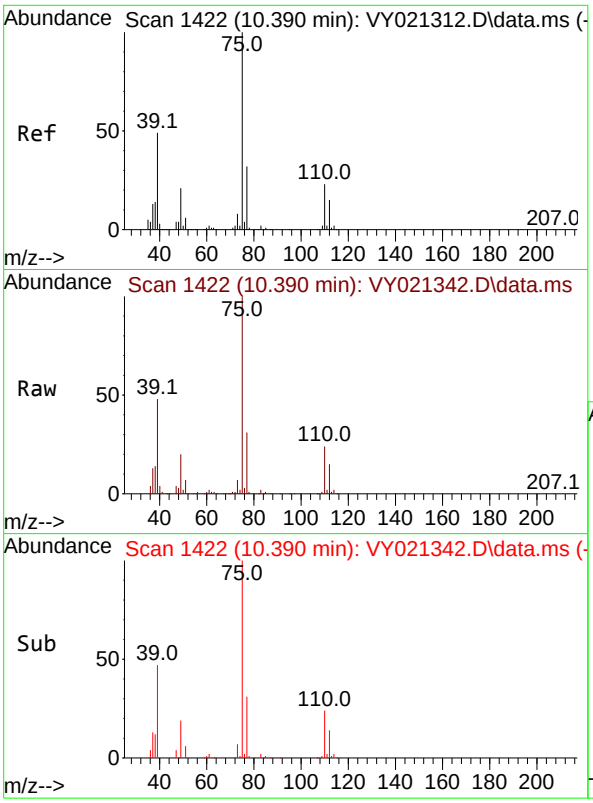


#52
Toluene
Concen: 39.024 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 92 Resp: 183630

Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 38.946 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 9480

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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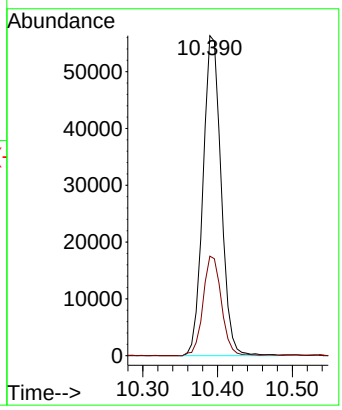
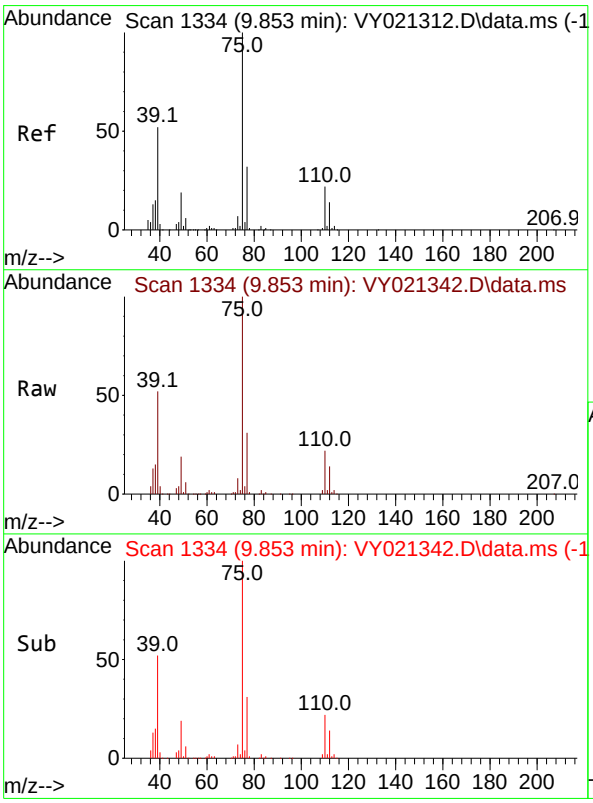
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

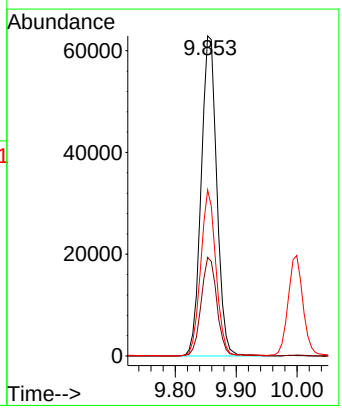


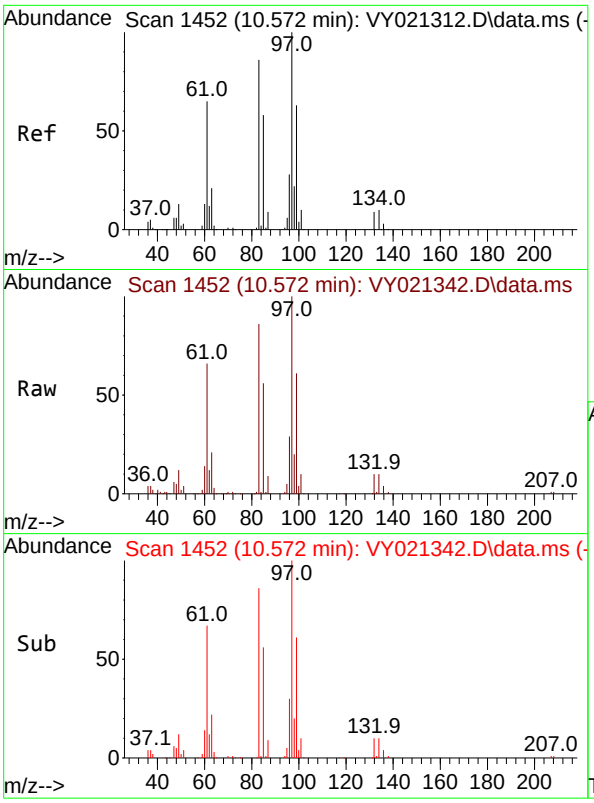


#54
cis-1,3-Dichloropropene
Concen: 39.037 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 112176

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.7	38.5
39	51.9	41.8	62.6

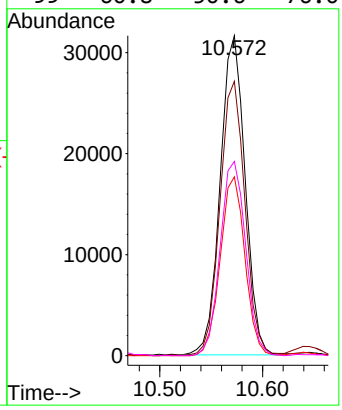




#55
1,1,2-Trichloroethane
Concen: 40.878 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 97 Resp: 5306

Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.7	103.1
85	56.1	46.3	69.5
99	60.8	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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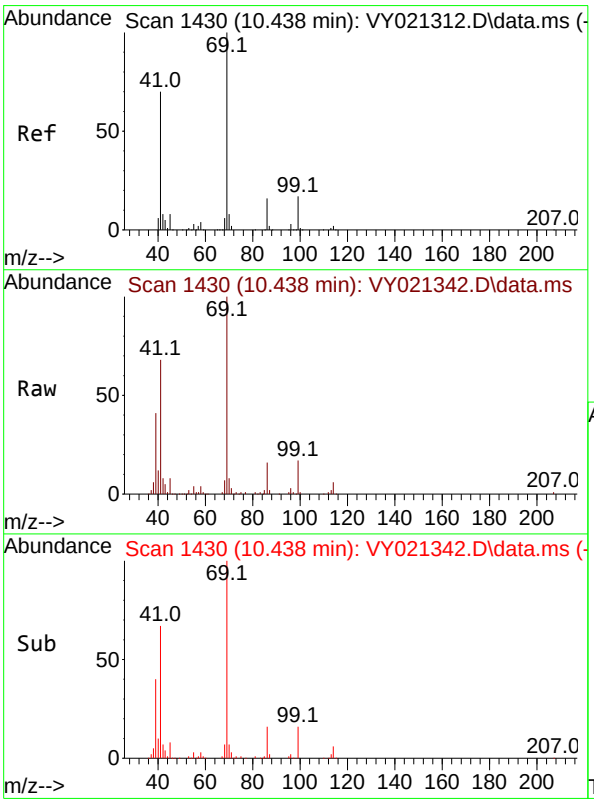
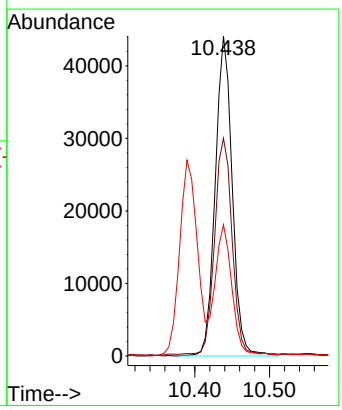
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

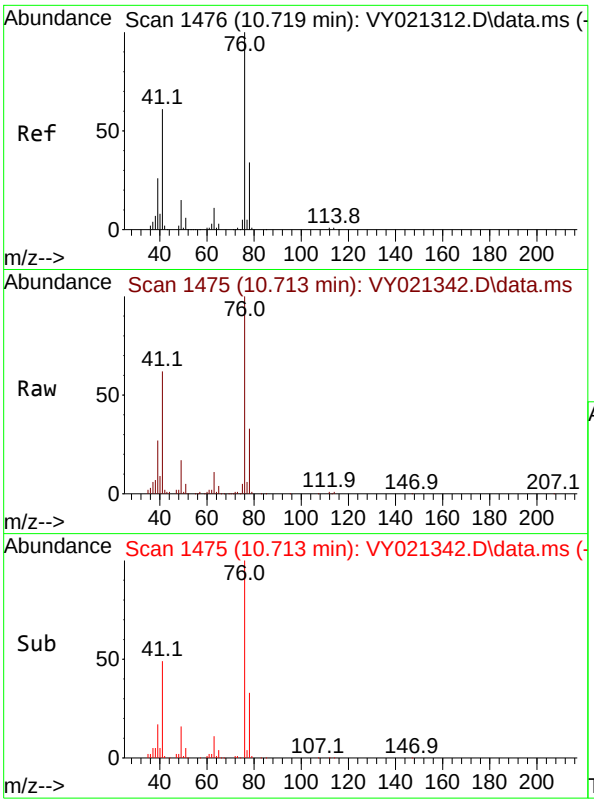


#56
Ethyl methacrylate
Concen: 38.906 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 69 Resp: 69781

Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.2	84.4
39	40.8	32.7	49.1





#57
1,3-Dichloropropane
Concen: 40.874 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 76 Resp: 9310

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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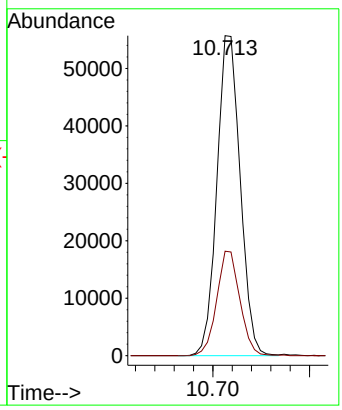
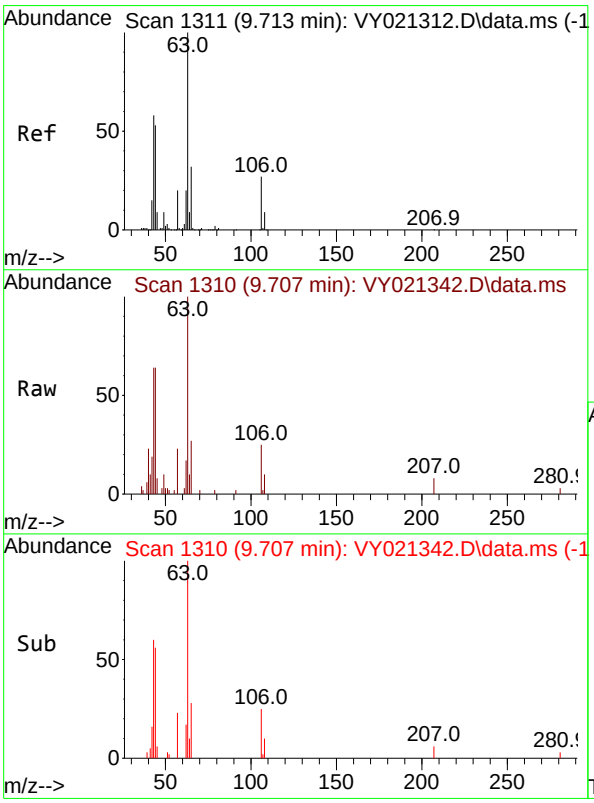
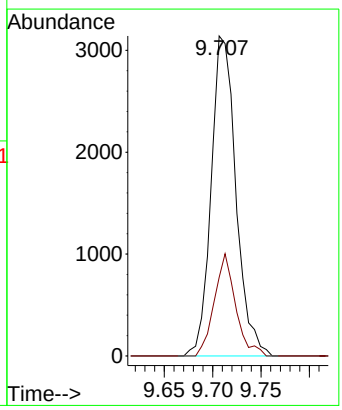


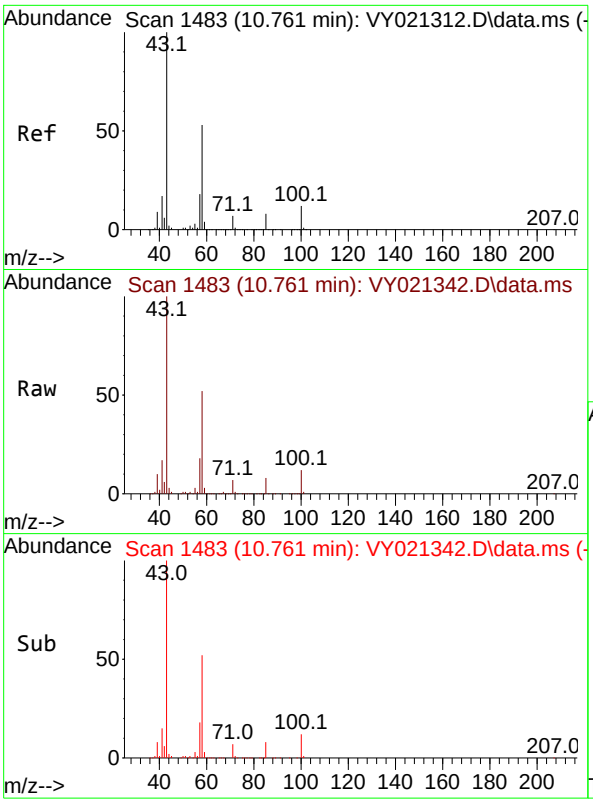


#58
2-Chloroethyl Vinyl ether
Concen: 6.496 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 63 Resp: 5592

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.7	32.5





#59
2-Hexanone
Concen: 180.470 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 14968

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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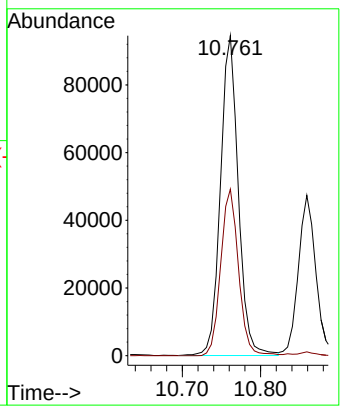
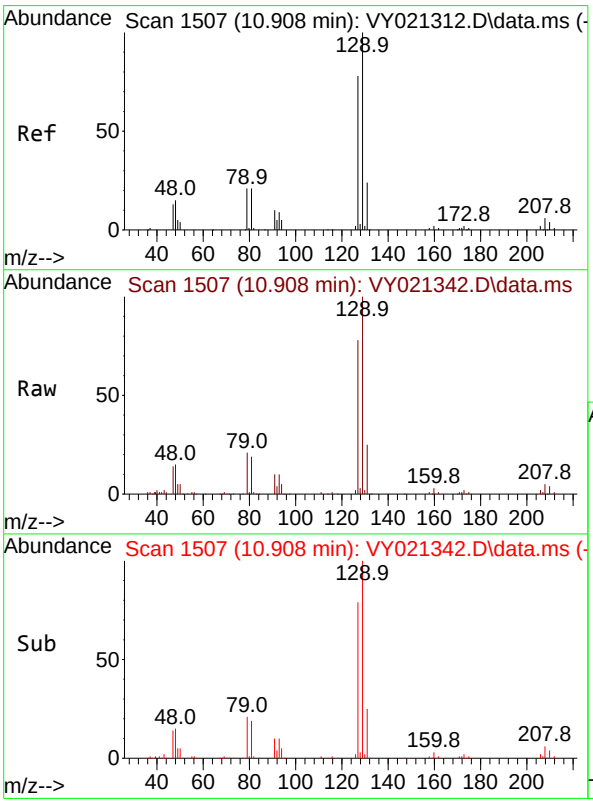
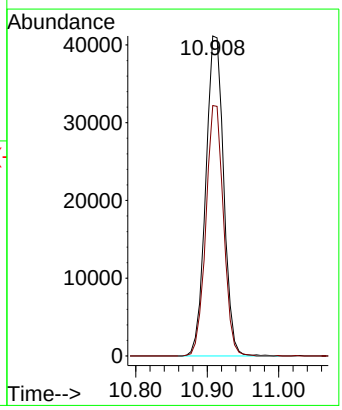


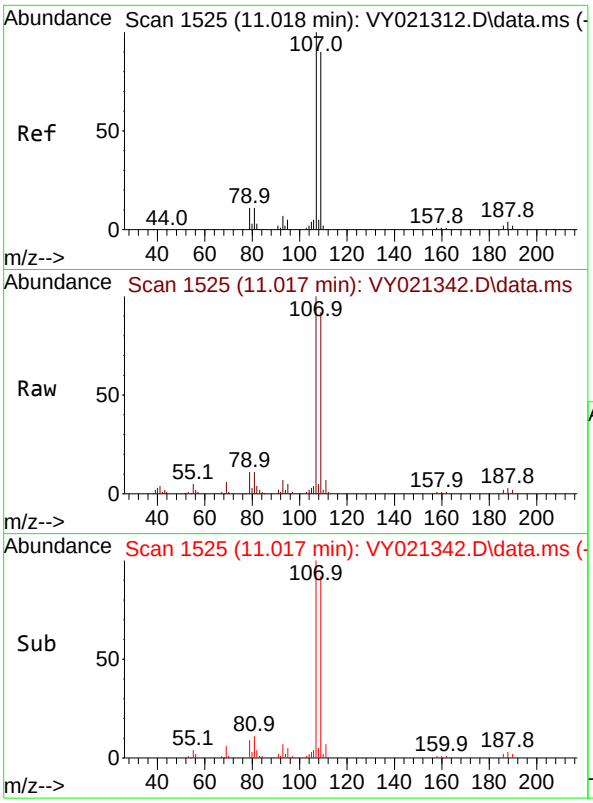


#60
Dibromochloromethane
Concen: 40.400 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:129 Resp: 71421

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.4

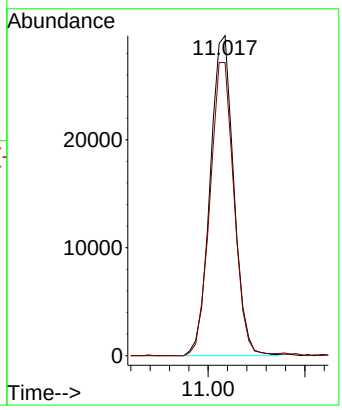




#61
1,2-Dibromoethane
Concen: 40.819 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:107 Resp: 5016

Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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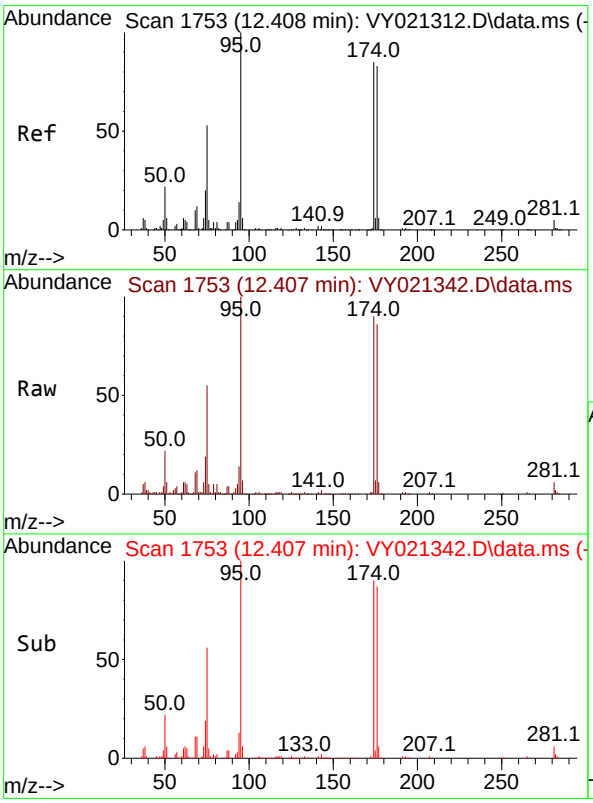
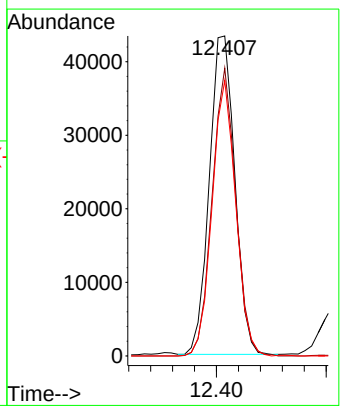
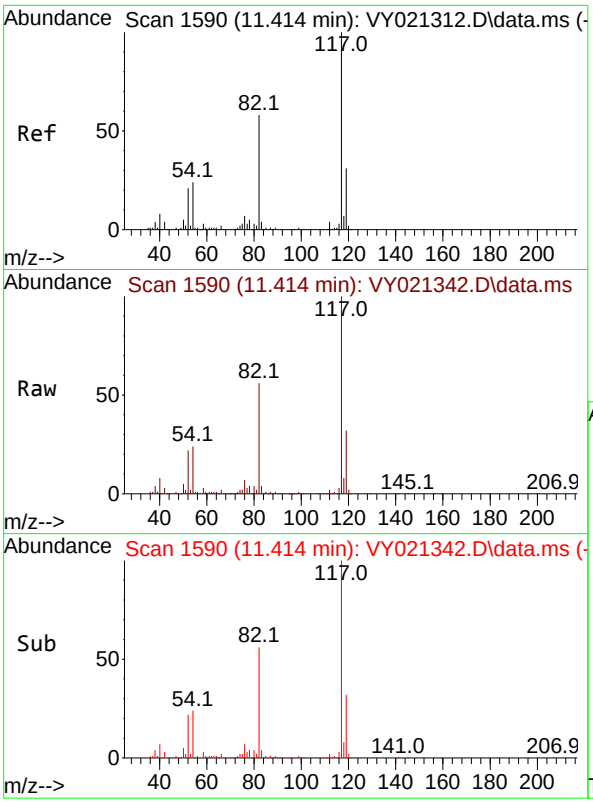


#62
4-Bromofluorobenzene
Concen: 31.436 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 95 Resp: 69748

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	168.0
176	80.7	0.0	162.6

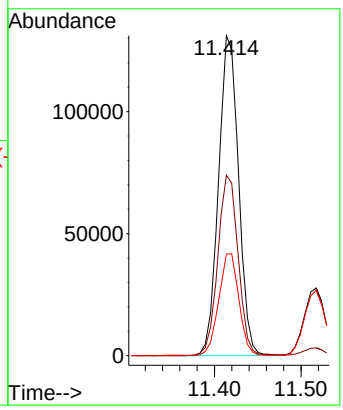




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:117 Resp: 21084

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.2	69.4
119	31.8	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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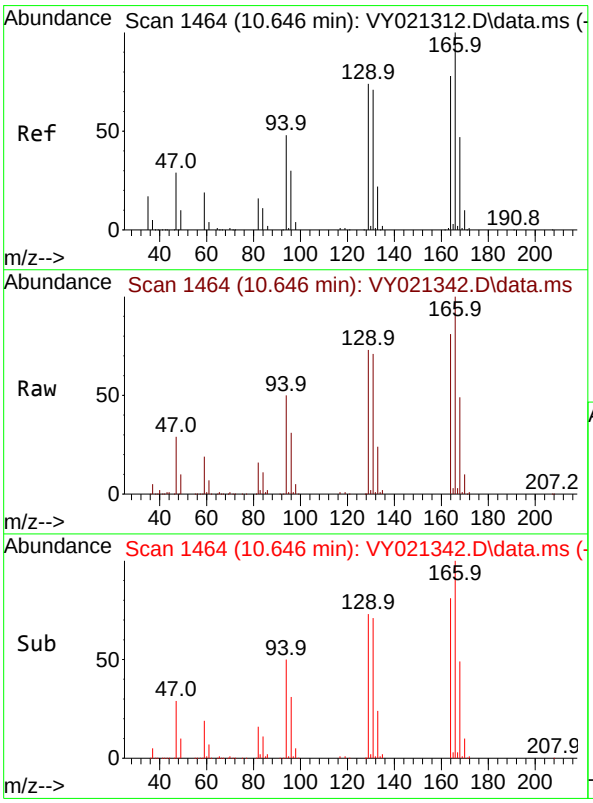
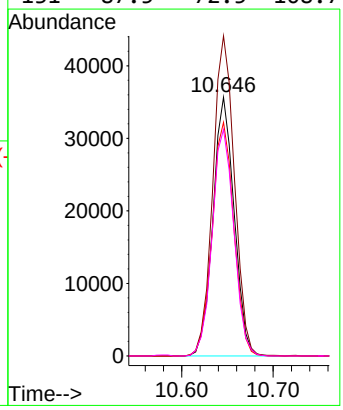
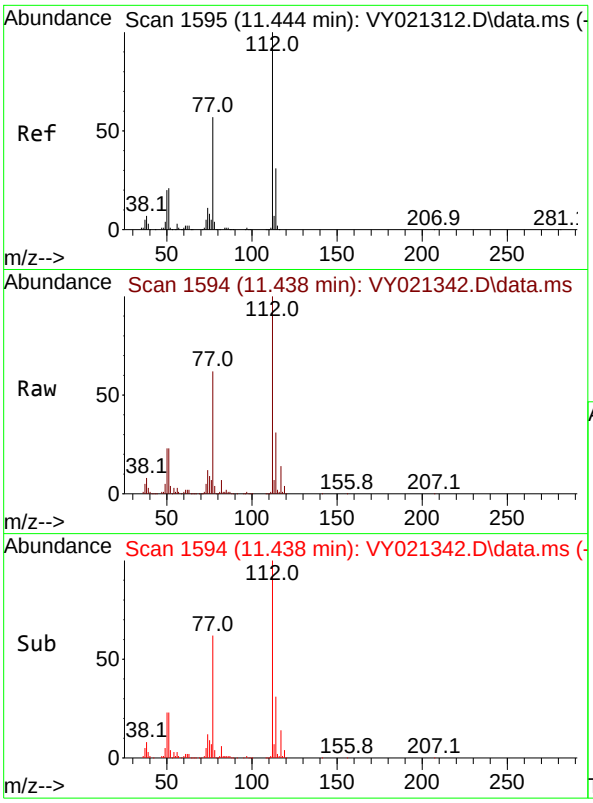


#64
Tetrachloroethene
Concen: 36.059 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:164 Resp: 57467

Ion	Ratio	Lower	Upper
164	100		
166	123.7	101.9	152.9
129	90.3	75.5	113.3
131	87.5	72.5	108.7

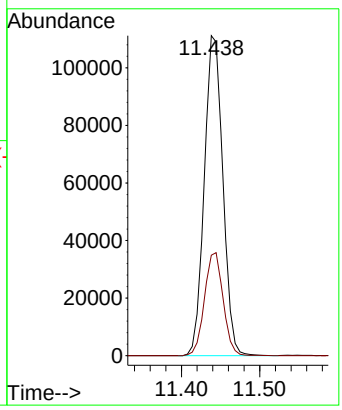




#65
Chlorobenzene
Concen: 38.632 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:112 Resp: 18284

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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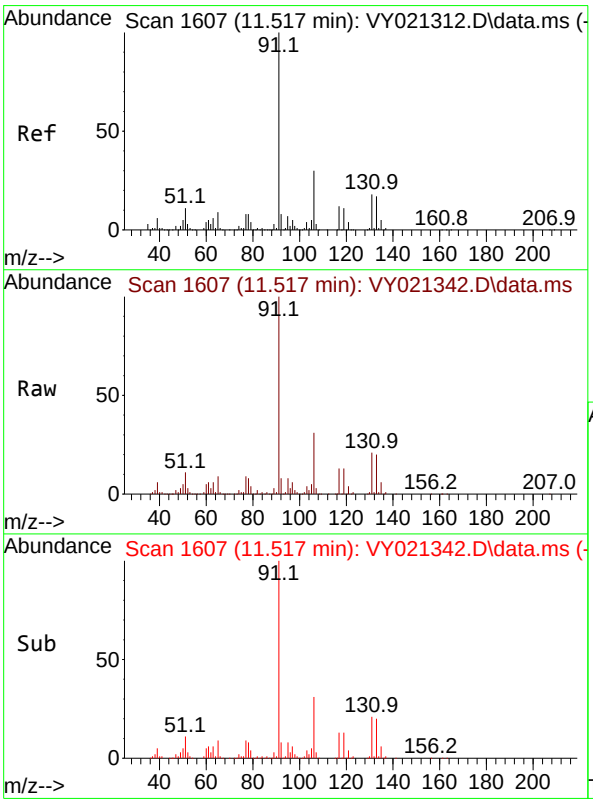
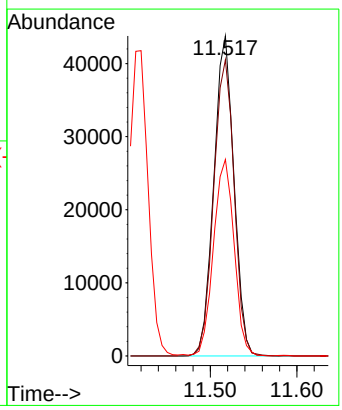
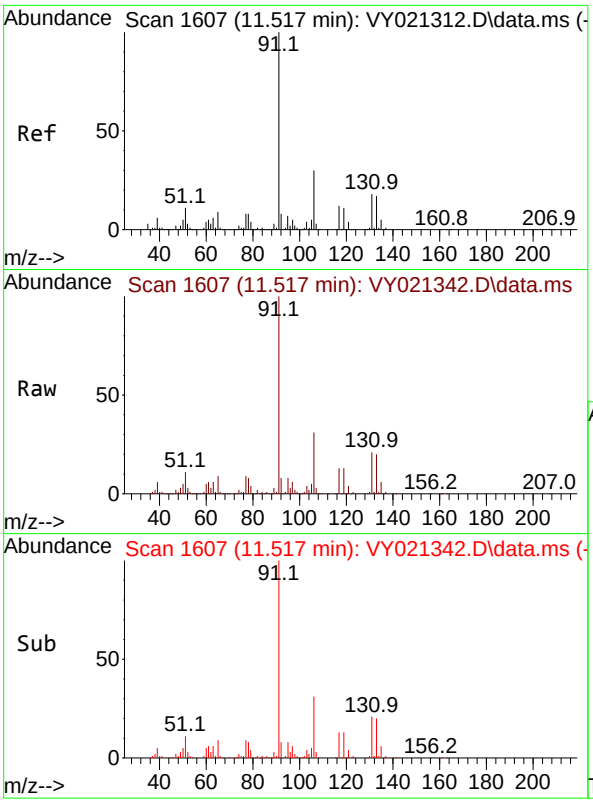


#66
1,1,1,2-Tetrachloroethane
Concen: 42.677 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:131 Resp: 70727

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.6
119	62.8	31.7	95.1

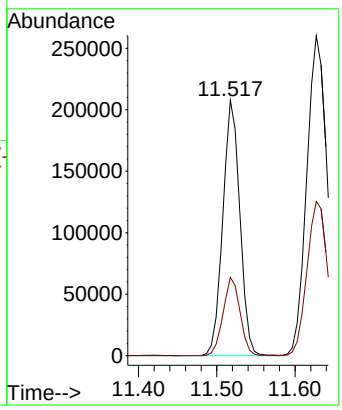




#67
Ethyl Benzene
Concen: 37.529 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 91 Resp: 3146

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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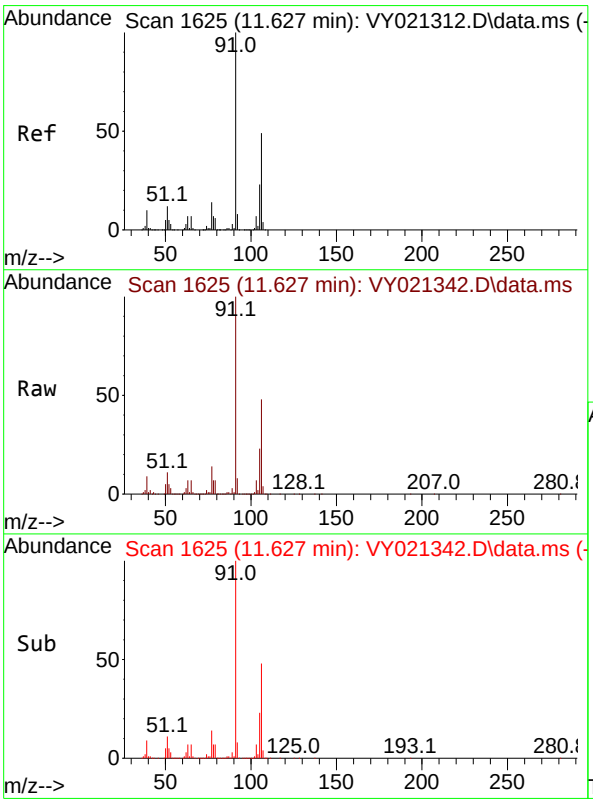
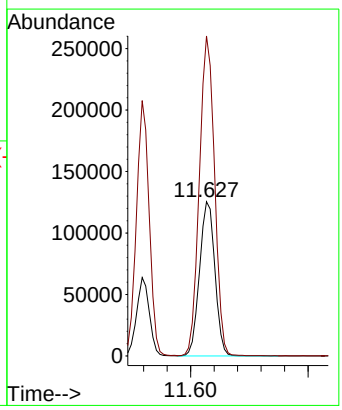
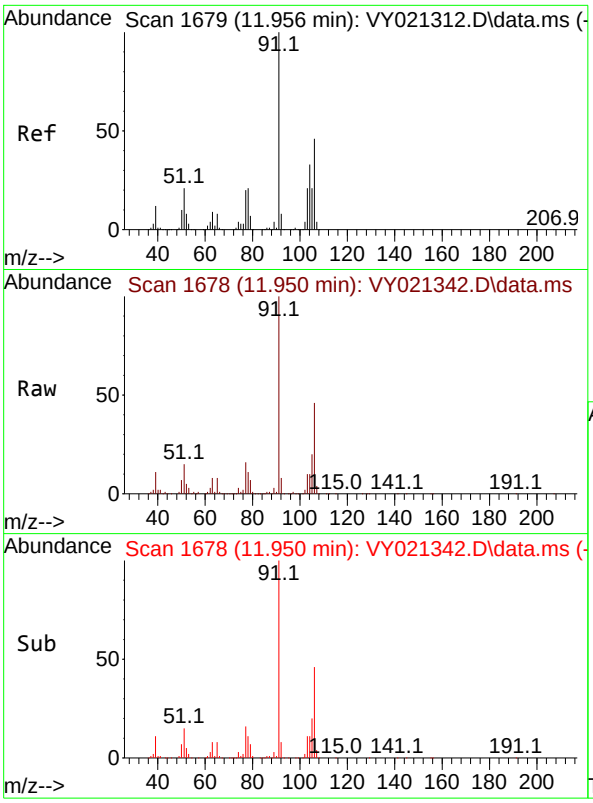


#68
m/p-Xylenes
Concen: 72.376 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:106 Resp: 228225

Ion	Ratio	Lower	Upper
106	100		
91	205.4	163.9	245.9





#69
o-Xylene
Concen: 37.699 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:106 Resp: 11136

Ion	Ratio	Lower	Upper
106	100		
91	217.4	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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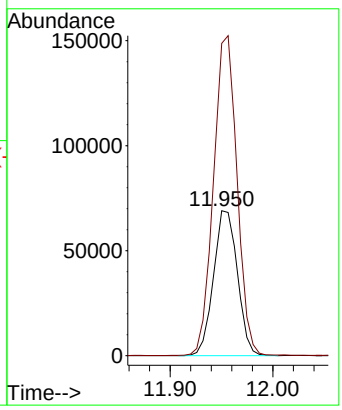
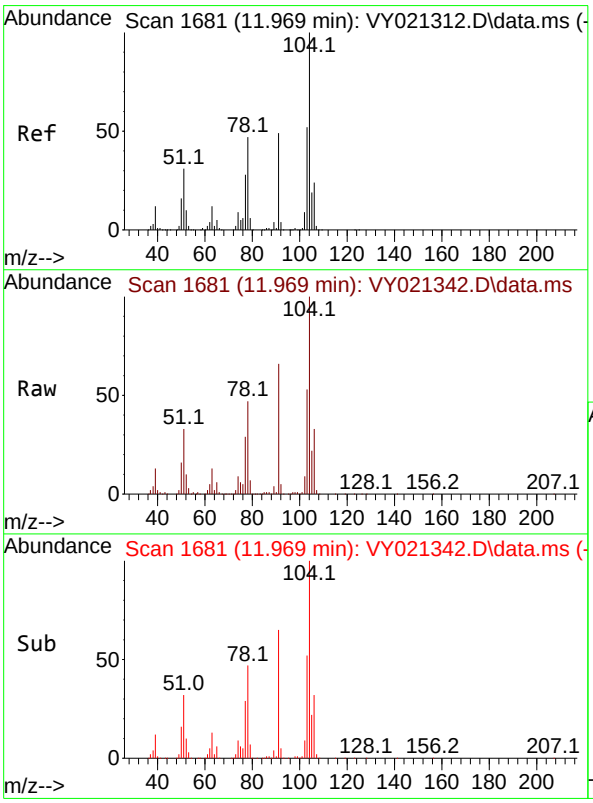
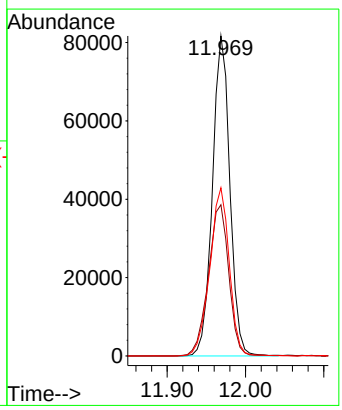


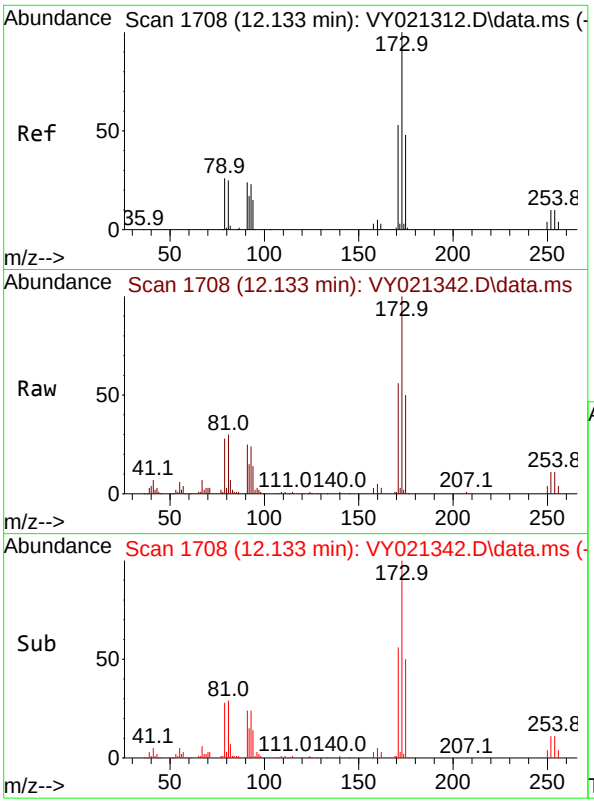


#70
Styrene
Concen: 25.722 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:104 Resp: 126425

Ion	Ratio	Lower	Upper
104	100		
78	55.5	41.3	61.9
103	58.8	43.9	65.9

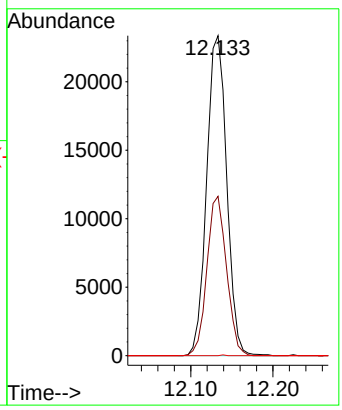




#71
Bromoform
Concen: 41.654 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:173 Resp: 3949

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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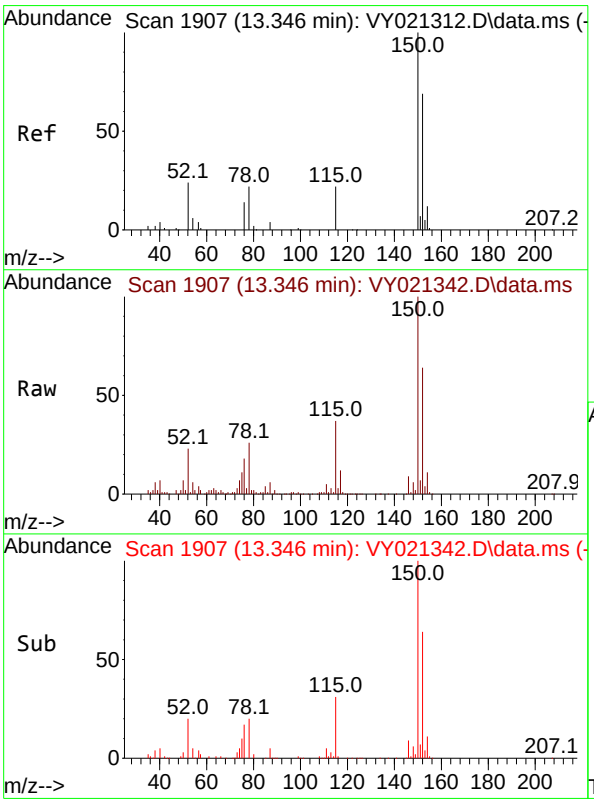
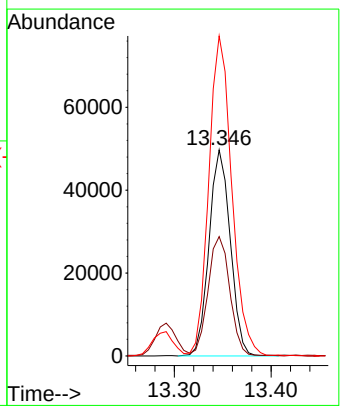
Supervised By :Mahesh Dadoda 02/27/2025

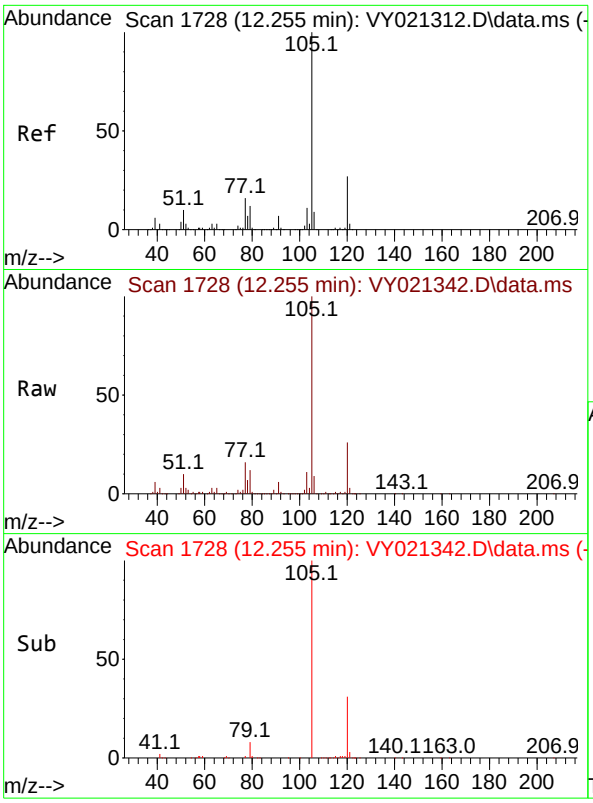


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:152 Resp: 76053

Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.3	88.0
150	168.4	0.0	347.4





#73
Isopropylbenzene
Concen: 44.384 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:105 Resp: 25377

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8

Instrument :
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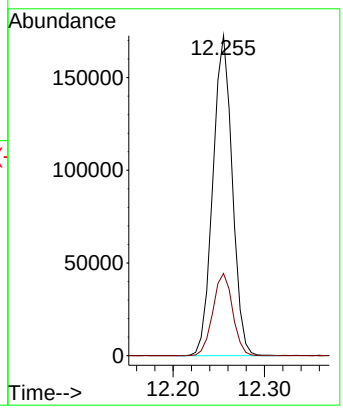
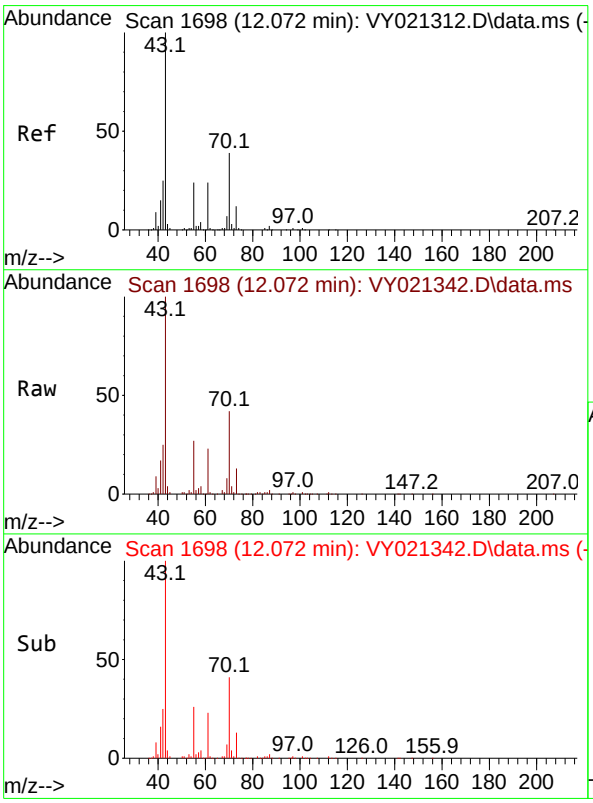
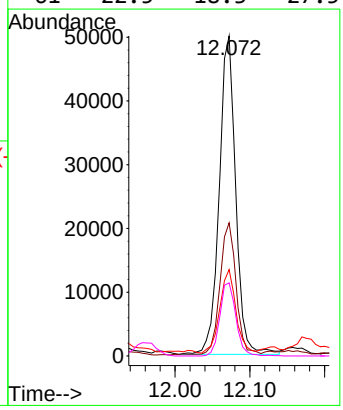


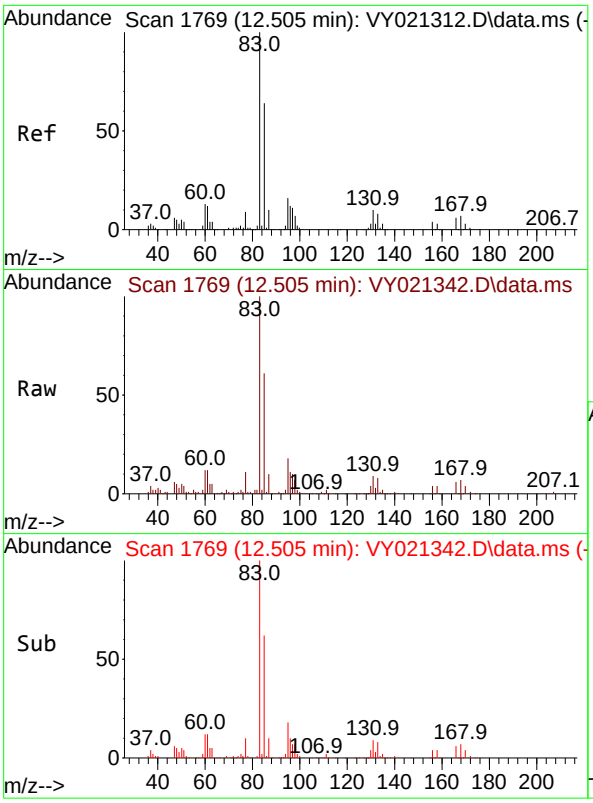


#74
N-amyl acetate
Concen: 52.878 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 76847

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	25.6	19.6	29.4
61	22.5	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 56.521 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 83 Resp: 5703

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	62.5	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
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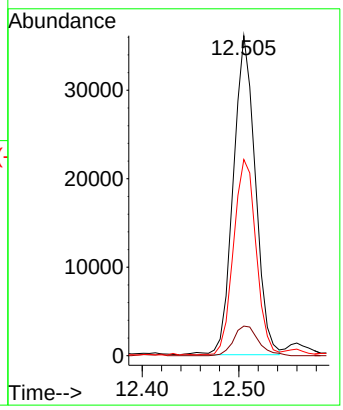
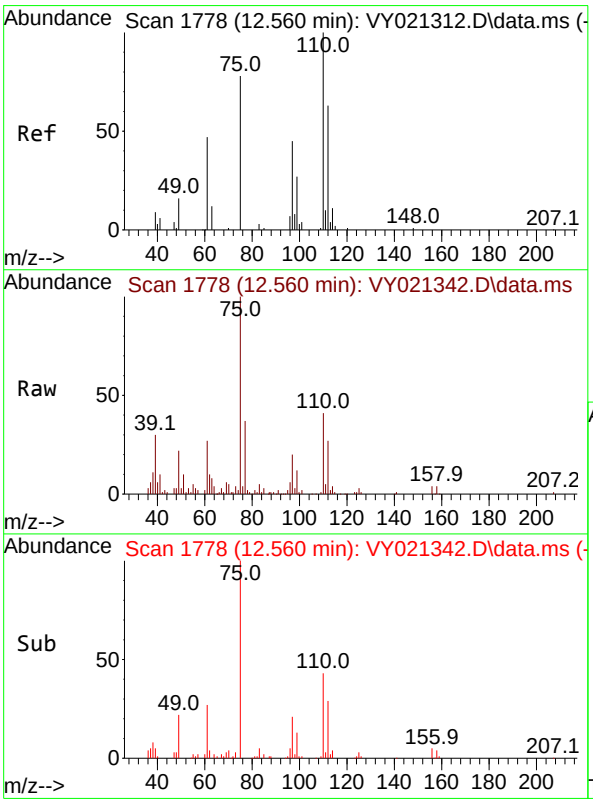
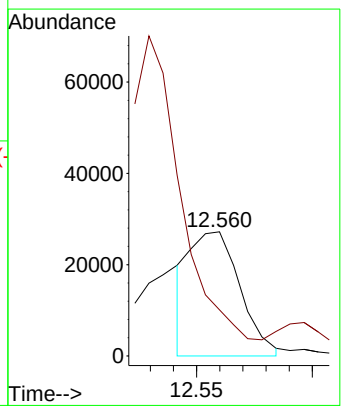


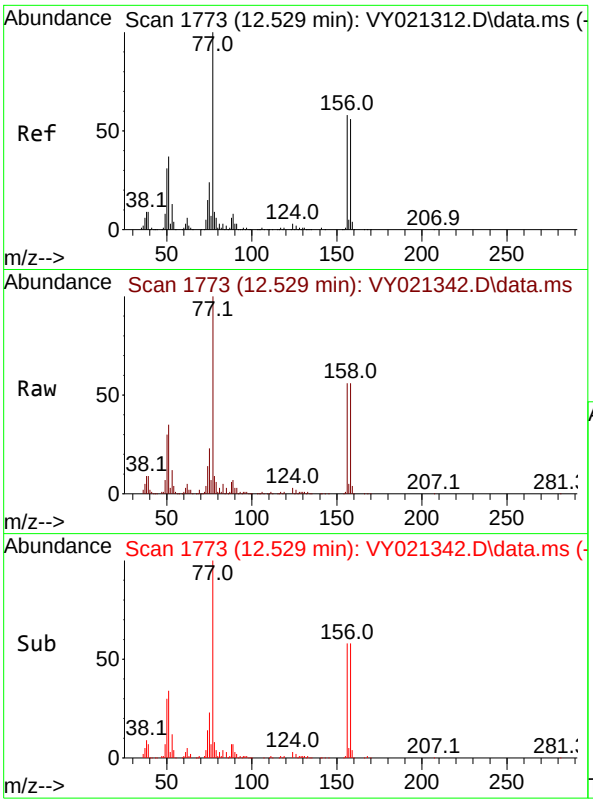


#76
1,2,3-Trichloropropane
Concen: 54.299 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 41335

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

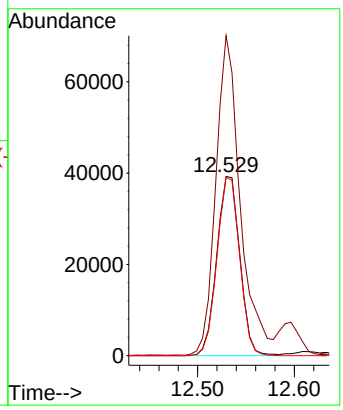




#77
Bromobenzene
Concen: 49.018 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:156 Resp: 6518

Ion	Ratio	Lower	Upper
156	100		
77	188.0	94.0	282.1
158	97.3	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
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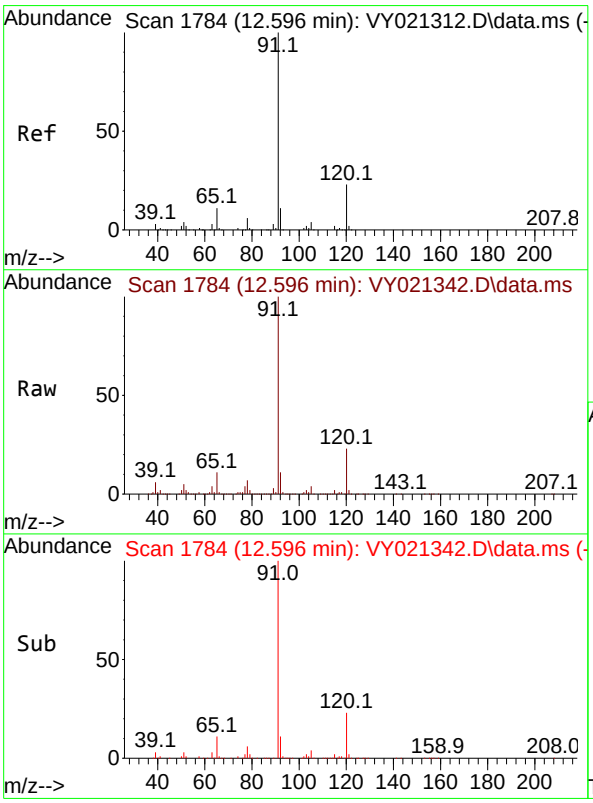
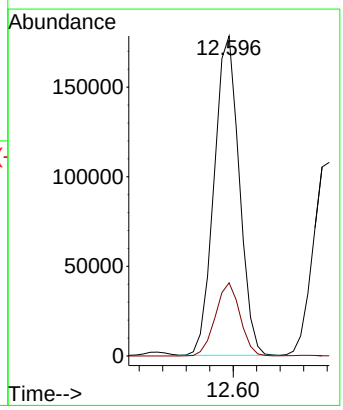
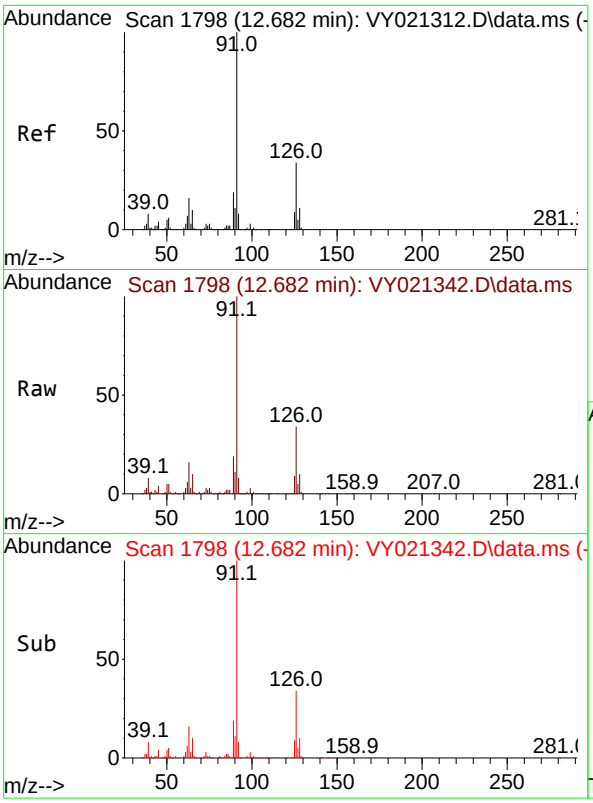


#78
n-propylbenzene
Concen: 38.144 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 91 Resp: 264648

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5

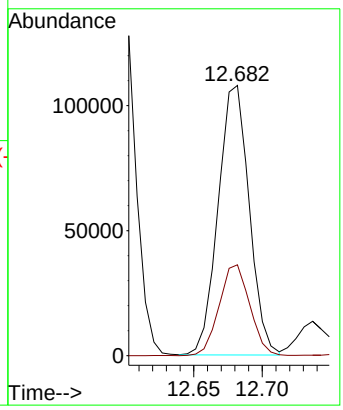




#79
2-Chlorotoluene
Concen: 42.735 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 91 Resp: 17016

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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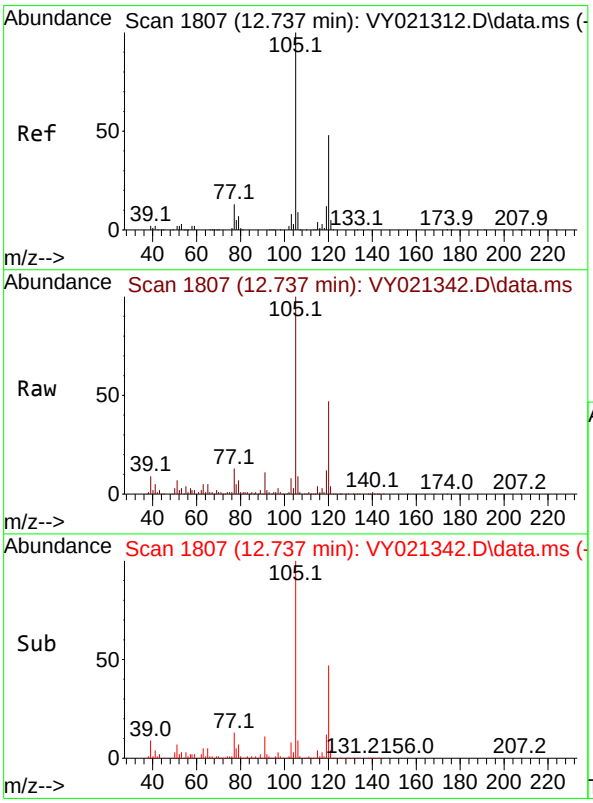
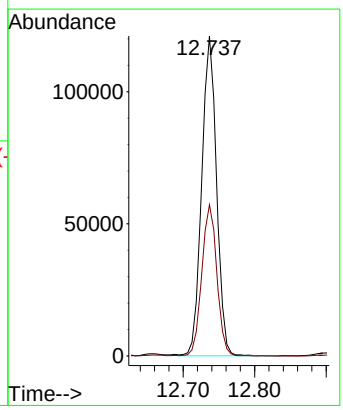
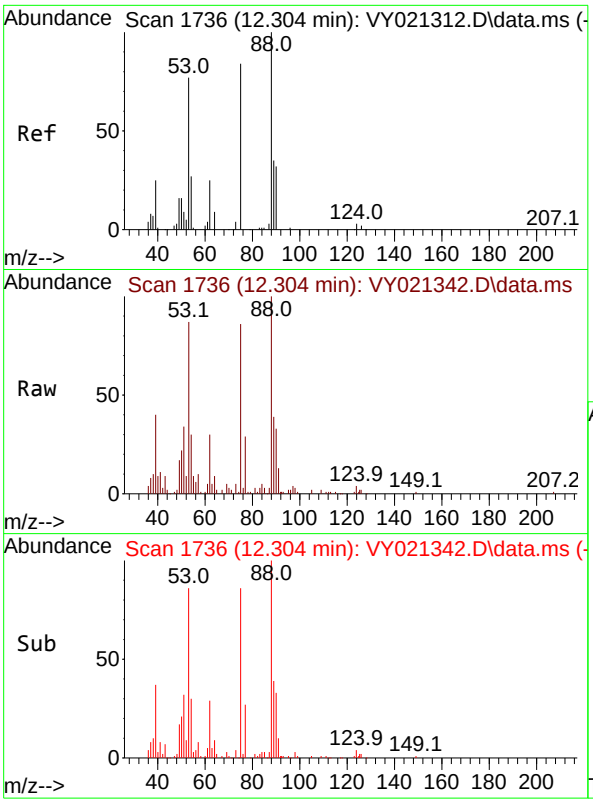


#80
1,3,5-Trimethylbenzene
Concen: 37.106 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:105 Resp: 174002

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.649 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 1734

Ion	Ratio	Lower	Upper
75	100		
53	104.0	79.1	118.7
89	46.8	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
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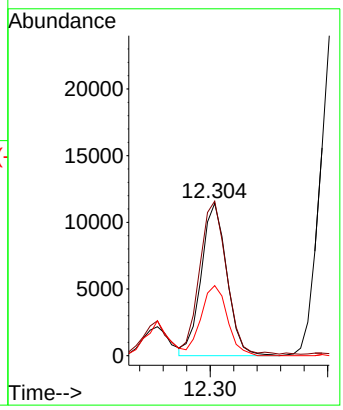
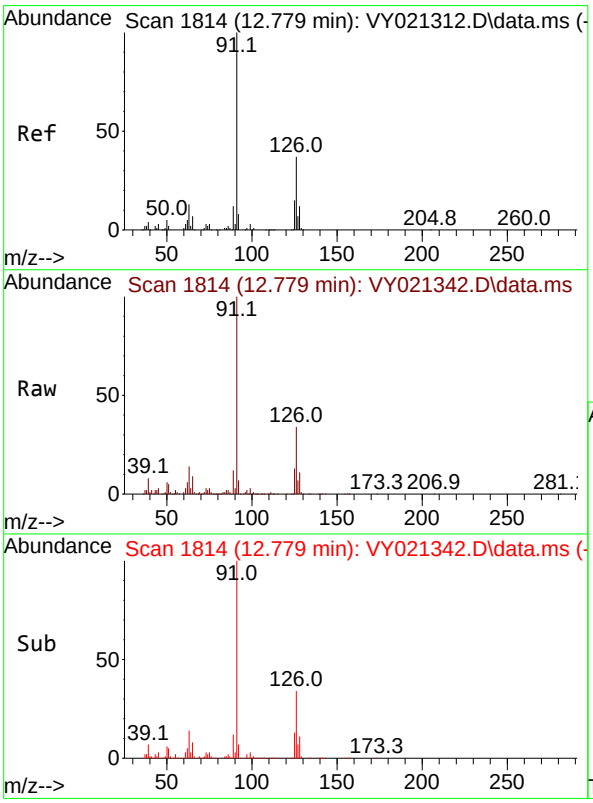
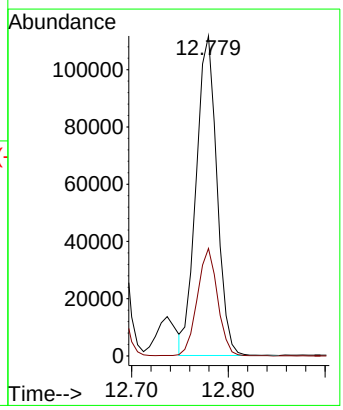


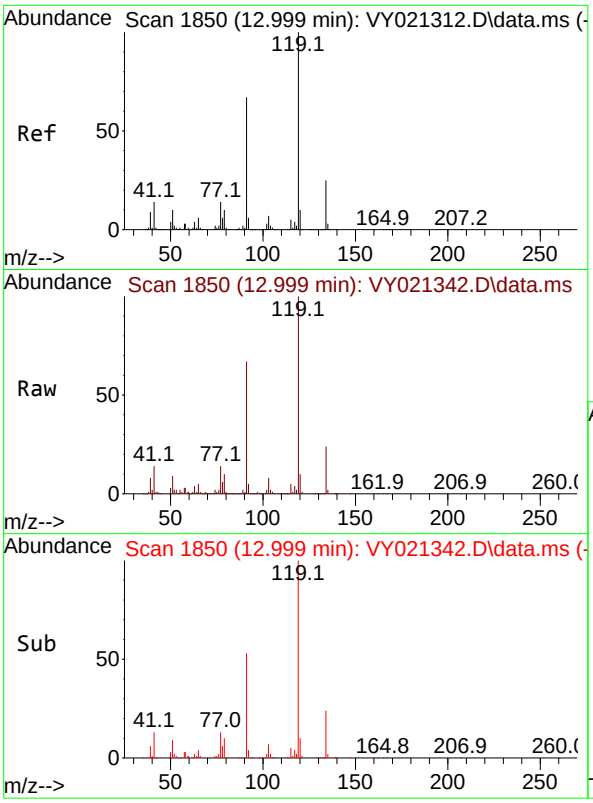


#82
4-Chlorotoluene
Concen: 40.414 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 91 Resp: 166815

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.8	50.4

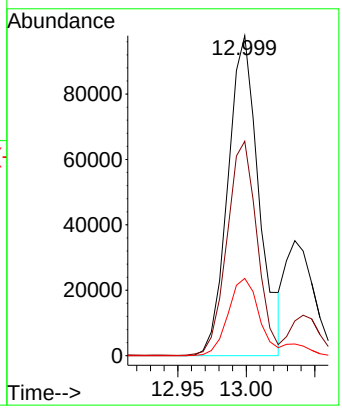




#83
tert-Butylbenzene
Concen: 36.395 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:119 Resp: 15416

Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.7	98.1
134	24.0	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
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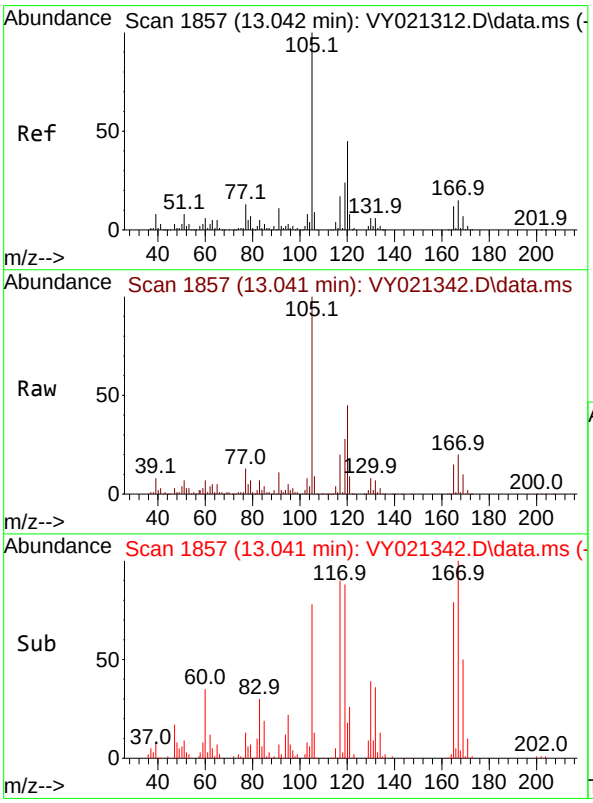
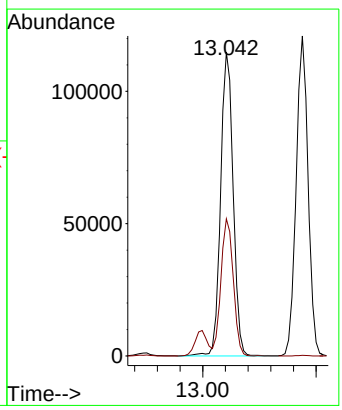
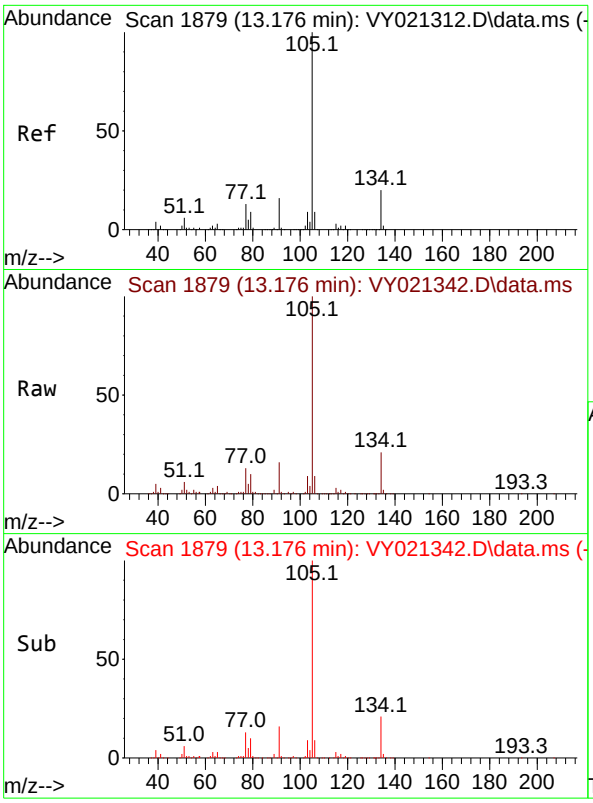


#84
1,2,4-Trimethylbenzene
Concen: 37.797 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:105 Resp: 176279

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3





#85
sec-Butylbenzene
Concen: 28.477 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:105 Resp: 17619

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
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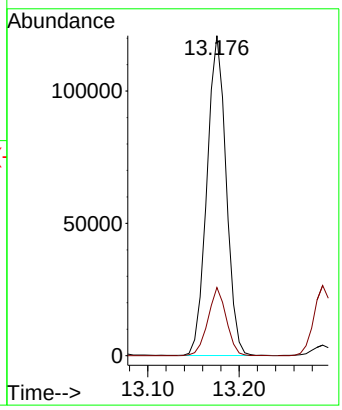
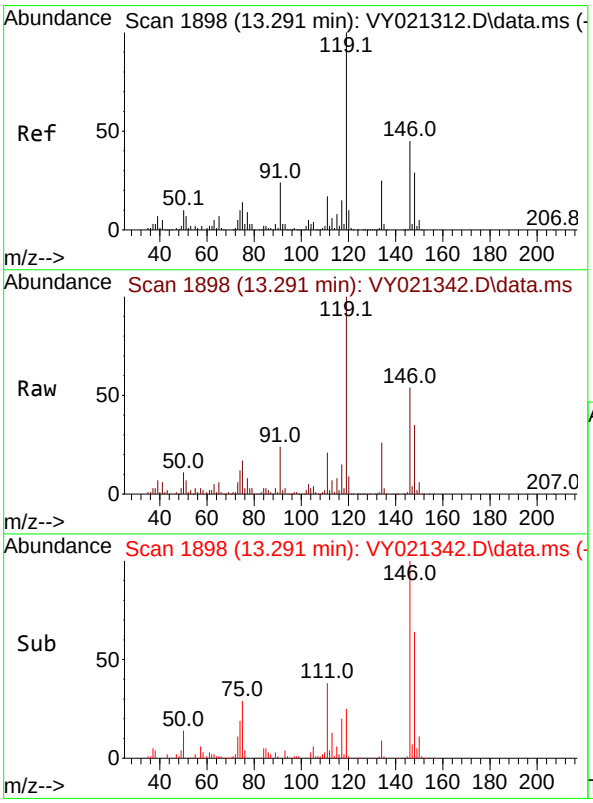
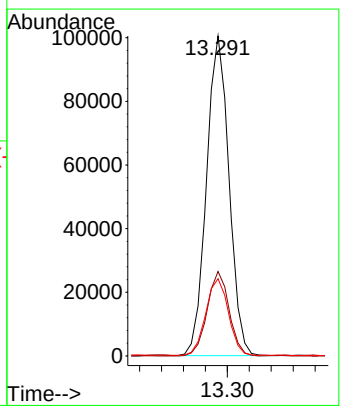


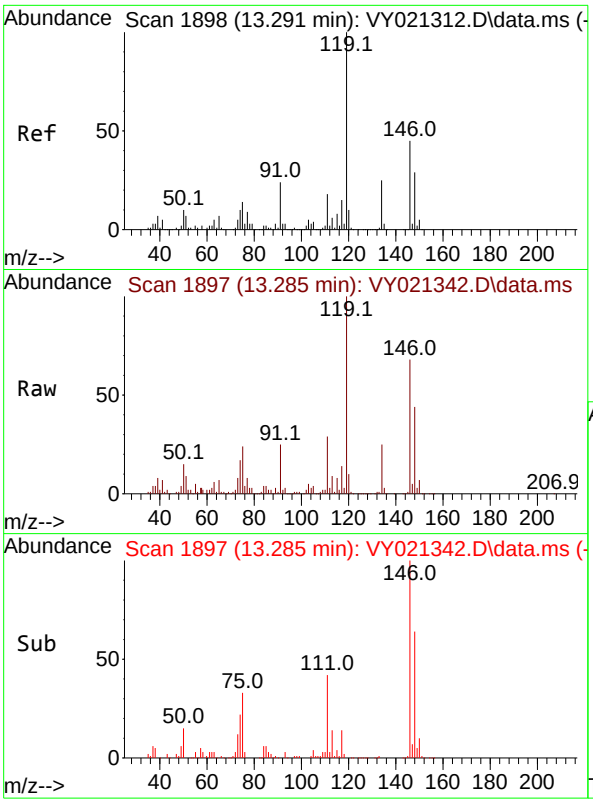


#86
p-Isopropyltoluene
Concen: 27.756 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:119 Resp: 143404

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.1	12.0	36.1

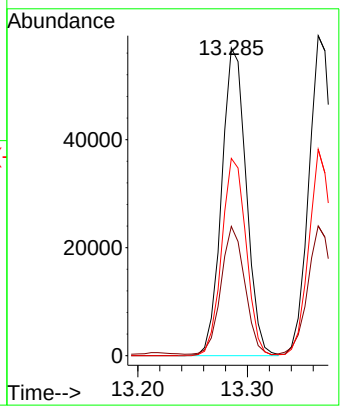




#87
1,3-Dichlorobenzene
Concen: 33.704 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:146 Resp: 8866

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.6	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
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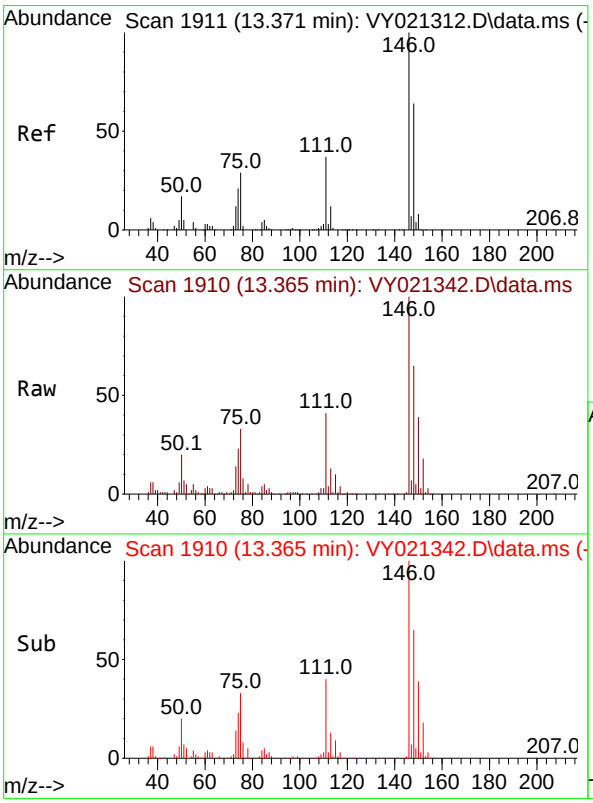
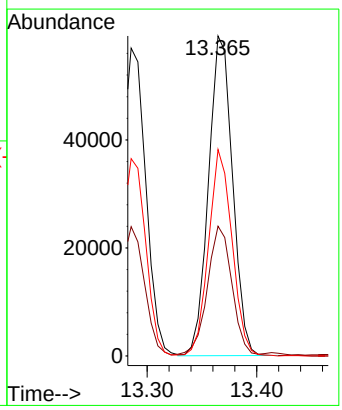
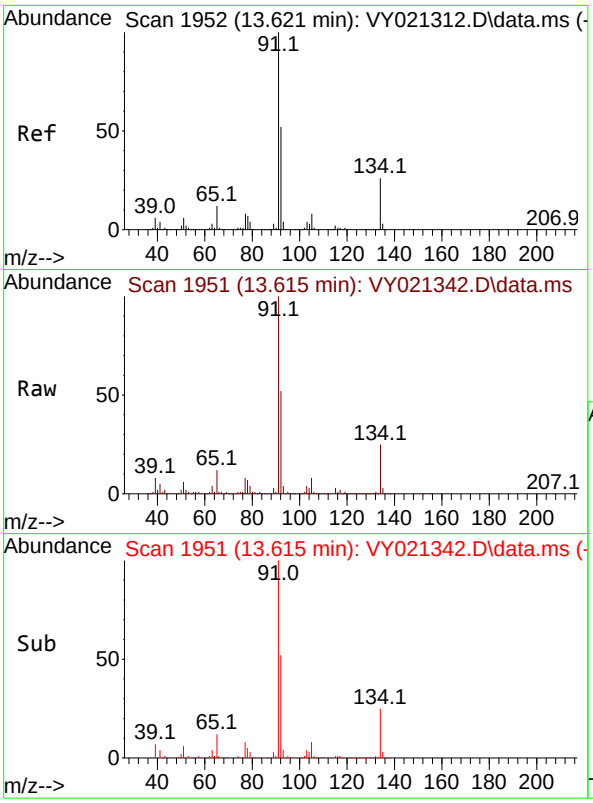


#88
1,4-Dichlorobenzene
Concen: 34.721 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:146 Resp: 90233

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.5	58.5
148	63.2	32.0	96.2





#89
n-Butylbenzene
Concen: 20.665 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

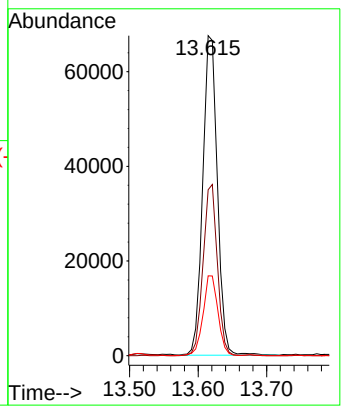
Tgt Ion: 91 Resp: 10047

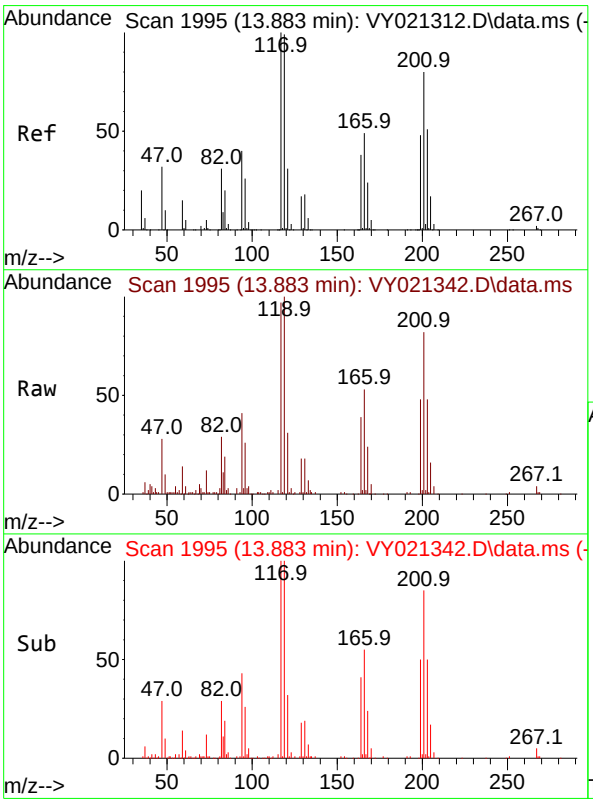
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.5	12.7	38.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

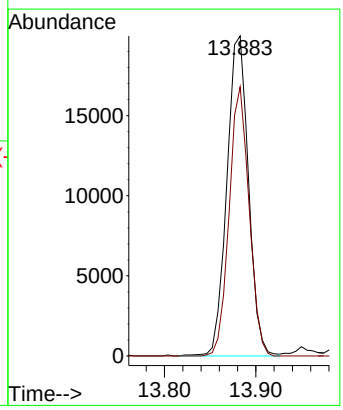


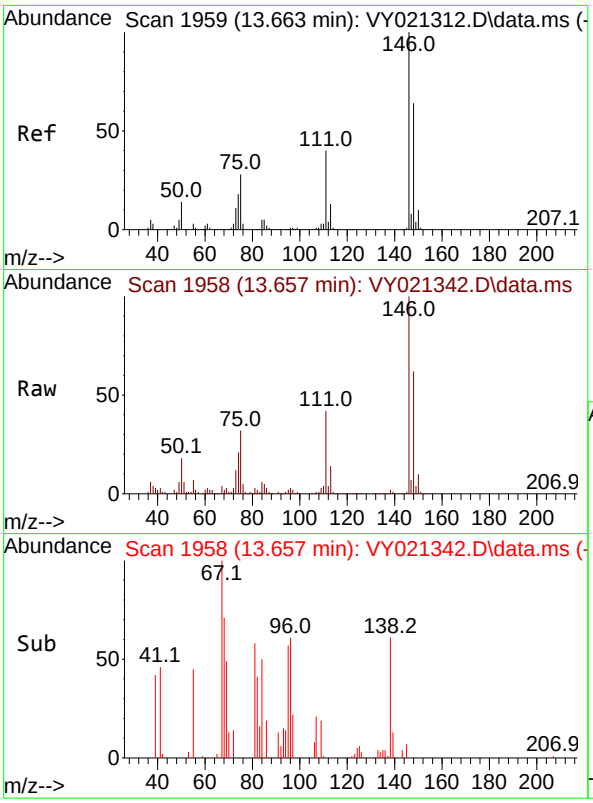


#90
Hexachloroethane
Concen: 30.438 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:117 Resp: 32849

Ion	Ratio	Lower	Upper
117	100		
201	77.5	38.4	115.2

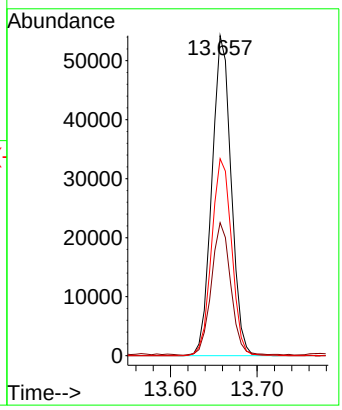




#91
1,2-Dichlorobenzene
Concen: 36.312 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:146 Resp: 8369

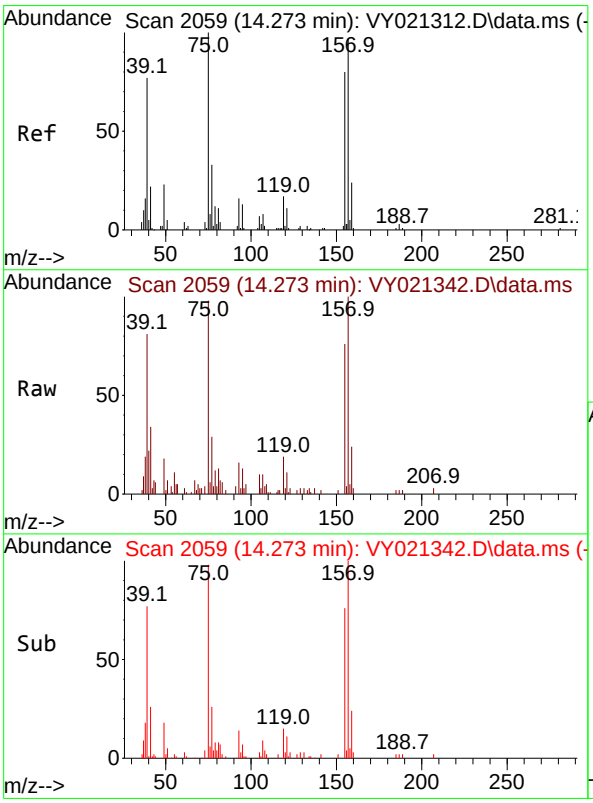
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.1	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
APPROVED

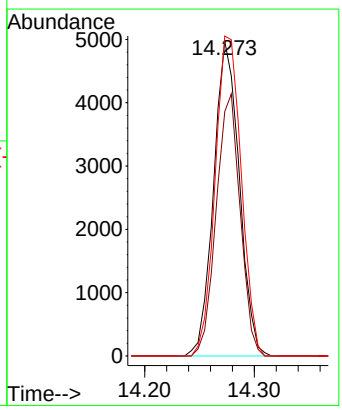
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

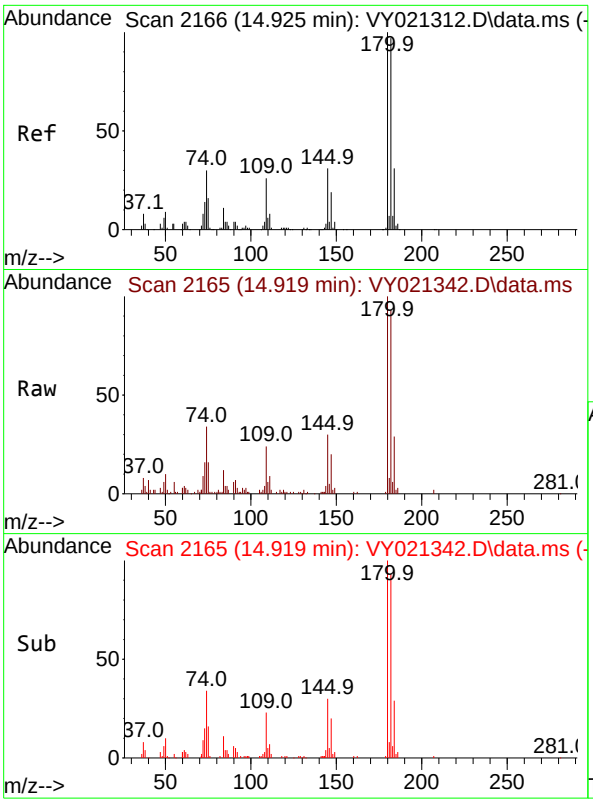


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.542 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 8068

Ion	Ratio	Lower	Upper
75	100		
155	77.9	41.9	125.6
157	103.7	52.5	157.6





#93
1,2,4-Trichlorobenzene
Concen: 13.193 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

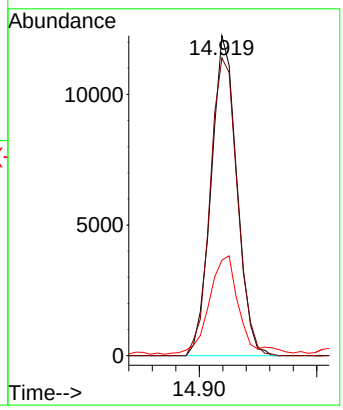
Tgt Ion:180 Resp: 1855

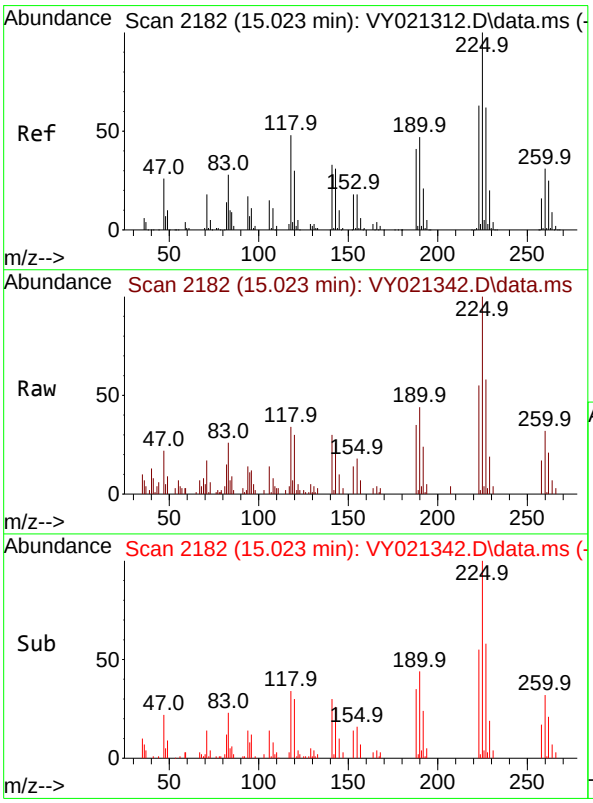
Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.9	143.7
145	37.7	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

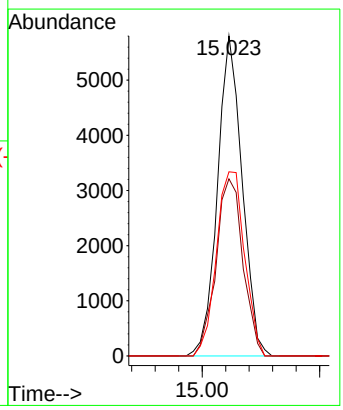


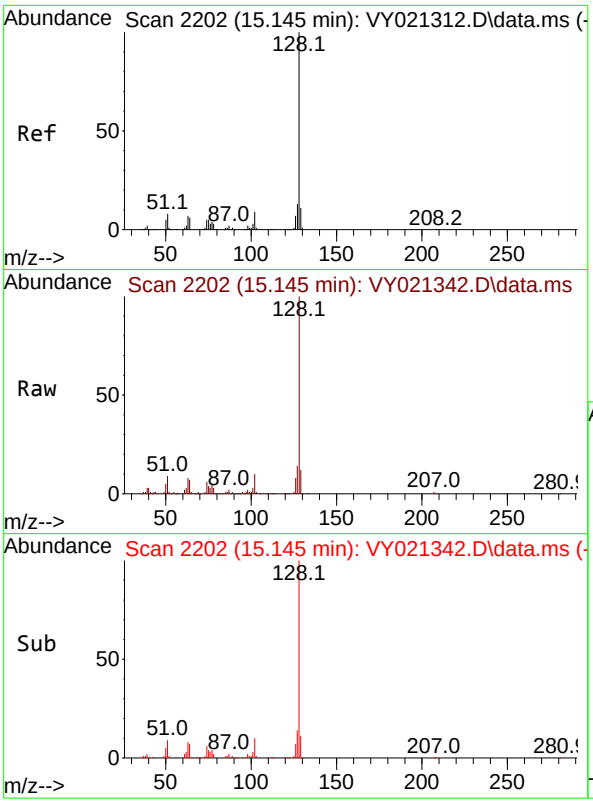


#94
Hexachlorobutadiene
Concen: 9.565 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:225 Resp: 8471

Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.8	95.4
227	65.7	31.9	95.7

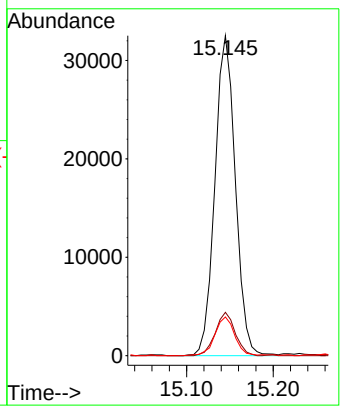




#95
Naphthalene
Concen: 22.930 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:128 Resp: 5342

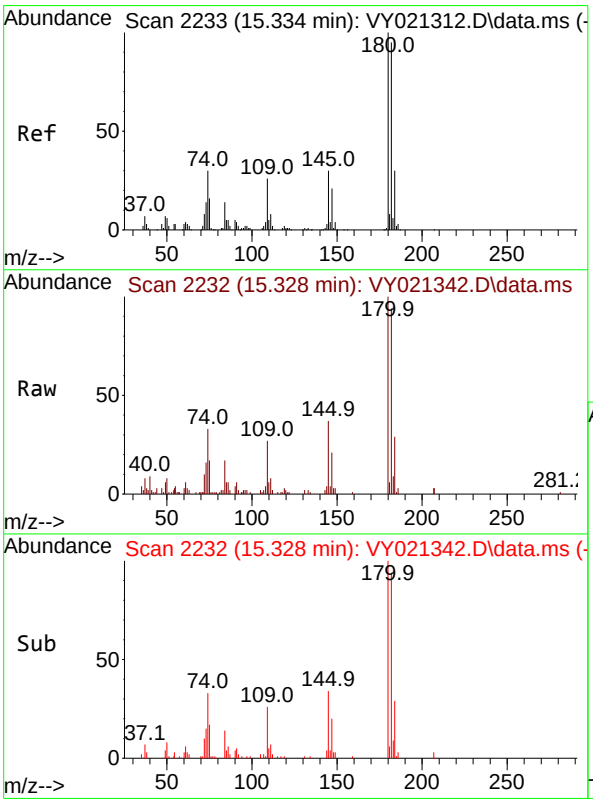
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
APPROVED

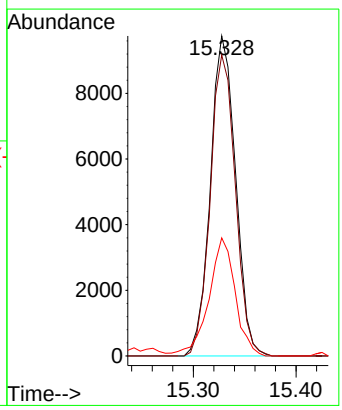
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 13.994 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:180 Resp: 16632

Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.3	144.9
145	38.7	16.1	48.3



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-725-727MSD	SDG No.:	Q1380
Lab Sample ID:	Q1380-08MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	7.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021343.D	1		02/26/25 19:43	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	750		15.6	33.6	67.3	ug/Kg
75-01-4	Vinyl Chloride	800		10.4	33.6	67.3	ug/Kg
74-83-9	Bromomethane	770		13.9	53.8	67.3	ug/Kg
75-00-3	Chloroethane	790		13.6	33.6	67.3	ug/Kg
75-69-4	Trichlorofluoromethane	810		12.2	53.8	67.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	770		14.4	33.6	67.3	ug/Kg
75-35-4	1,1-Dichloroethene	800		10.5	33.6	67.3	ug/Kg
67-64-1	Acetone	3900		84.0	270	340	ug/Kg
75-15-0	Carbon Disulfide	790		17.2	53.8	67.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	850		9.00	33.6	67.3	ug/Kg
75-09-2	Methylene Chloride	820		45.9	110	130	ug/Kg
156-60-5	trans-1,2-Dichloroethene	790		11.3	33.6	67.3	ug/Kg
75-34-3	1,1-Dichloroethane	800		8.50	33.6	67.3	ug/Kg
78-93-3	2-Butanone	3900		76.5	270	340	ug/Kg
56-23-5	Carbon Tetrachloride	740		11.7	33.6	67.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	810		8.20	33.6	67.3	ug/Kg
67-66-3	Chloroform	810		9.00	53.8	67.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	800		10.5	33.6	67.3	ug/Kg
108-87-2	Methylcyclohexane	480		11.7	33.6	67.3	ug/Kg
71-43-2	Benzene	770		9.70	33.6	67.3	ug/Kg
107-06-2	1,2-Dichloroethane	810		8.20	33.6	67.3	ug/Kg
79-01-6	Trichloroethene	730		10.1	33.6	67.3	ug/Kg
78-87-5	1,2-Dichloropropane	770		8.90	33.6	67.3	ug/Kg
75-27-4	Bromodichloromethane	790		7.50	33.6	67.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3900		58.5	170	340	ug/Kg
108-88-3	Toluene	740		9.00	33.6	67.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	750		8.10	33.6	67.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	740		7.70	33.6	67.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	810		11.3	33.6	67.3	ug/Kg
591-78-6	2-Hexanone	3900		64.5	170	340	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/10/25
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005	Date Received:	02/17/25
Client Sample ID:	BP-VPB-192-GW-725-727MSD	SDG No.:	Q1380
Lab Sample ID:	Q1380-08MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	7.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021343.D	1		02/26/25 19:43	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	790		8.70	33.6	67.3	ug/Kg
127-18-4	Tetrachloroethene	680		12.0	33.6	67.3	ug/Kg
108-90-7	Chlorobenzene	720		10.0	33.6	67.3	ug/Kg
100-41-4	Ethyl Benzene	710		8.30	33.6	67.3	ug/Kg
179601-23-1	m/p-Xylenes	1400		18.2	67.3	130	ug/Kg
95-47-6	o-Xylene	710		9.40	33.6	67.3	ug/Kg
100-42-5	Styrene	460		8.10	33.6	67.3	ug/Kg
75-25-2	Bromoform	820		10.9	33.6	67.3	ug/Kg
98-82-8	Isopropylbenzene	860		9.00	33.6	67.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1100		14.8	33.6	67.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	660		10.0	33.6	67.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	690		10.8	33.6	67.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	720		7.90	33.6	67.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		71 - 136		113%	SPK: 50
1868-53-7	Dibromofluoromethane	55.0		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	50.1		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		79 - 119		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	137000	7.713				
540-36-3	1,4-Difluorobenzene	223000	8.616				
3114-55-4	Chlorobenzene-d5	181000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	63400	13.347				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Feb 27 00:44:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	137100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	223153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	181056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	63404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87527	56.277	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.560%			
35) Dibromofluoromethane	7.634	113	80395	54.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.900%			
50) Toluene-d8	10.103	98	283014	50.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.408	95	80680	42.399	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	75041	57.730	ug/l	98
3) Chloromethane	2.068	50	93428	55.654	ug/l	100
4) Vinyl Chloride	2.202	62	98032	59.495	ug/l	99
5) Bromomethane	2.599	94	62557	57.132	ug/l	99
6) Chloroethane	2.733	64	60258	58.973	ug/l	99
7) Trichlorofluoromethane	3.062	101	150185	60.353	ug/l	97
8) Diethyl Ether	3.452	74	46516	62.281	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	82305	57.129	ug/l	100
10) Methyl Iodide	4.001	142	99072	65.363	ug/l	99
11) Tert butyl alcohol	4.848	59	31864	266.356	ug/l	98
12) 1,1-Dichloroethene	3.793	96	81611	59.161	ug/l	95
13) Acrolein	3.659	56	4635	50.560	ug/l	96
14) Allyl chloride	4.385	41	141183	57.725	ug/l	98
15) Acrylonitrile	5.055	53	100626	304.725	ug/l	100
16) Acetone	3.867	43	85420	286.319	ug/l	98
17) Carbon Disulfide	4.104	76	268282	58.568	ug/l	99
18) Methyl Acetate	4.385	43	45429	62.308	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	231232	63.444	ug/l	99
20) Methylene Chloride	4.616	84	98540	61.081	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	89484	58.925	ug/l	95
22) Diisopropyl ether	6.019	45	307420	60.741	ug/l	98
23) Vinyl Acetate	5.958	43	922532	305.030	ug/l	99
24) 1,1-Dichloroethane	5.915	63	169196	59.314	ug/l	99
25) 2-Butanone	6.890	43	130748	290.381	ug/l	97
26) 2,2-Dichloropropane	6.884	77	140057	54.110	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	103896	59.913	ug/l	98
28) Bromochloromethane	7.238	49	68413	54.201	ug/l	97
29) Tetrahydrofuran	7.262	42	87340	296.758	ug/l	99
30) Chloroform	7.421	83	174182	60.260	ug/l	100
31) Cyclohexane	7.701	56	125054	45.606	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	155893	59.253	ug/l	97
36) 1,1-Dichloropropene	7.835	75	117746	53.579	ug/l	99
37) Ethyl Acetate	6.988	43	62877	57.519	ug/l	99
38) Carbon Tetrachloride	7.817	117	134965	54.629	ug/l	99
39) Methylcyclohexane	9.110	83	99386	35.756	ug/l	97
40) Benzene	8.079	78	370415	57.020	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Feb 27 00:44:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	33290	54.467	ug/l		95
42) 1,2-Dichloroethane	8.159	62	110620	60.018	ug/l		99
43) Isopropyl Acetate	8.195	43	123473	58.355	ug/l		98
44) Trichloroethene	8.866	130	87915	54.054	ug/l		98
45) 1,2-Dichloropropane	9.140	63	89636	57.336	ug/l		98
46) Dibromomethane	9.225	93	51162	59.869	ug/l		100
47) Bromodichloromethane	9.420	83	133577	58.623	ug/l		100
48) Methyl methacrylate	9.219	41	57228	57.838	ug/l		95
49) 1,4-Dioxane	9.225	88	11155	1173.970	ug/l		89
51) 4-Methyl-2-Pentanone	9.994	43	312663	288.673	ug/l		100
52) Toluene	10.170	92	221413	54.864	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	116747	55.924	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	135402	54.941	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	66842	60.042	ug/l		97
56) Ethyl methacrylate	10.439	69	90173	58.621	ug/l		99
57) 1,3-Dichloropropane	10.713	76	116388	59.579	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	2214	2.999	ug/l		98
59) 2-Hexanone	10.762	43	203976	286.754	ug/l		99
60) Dibromochloromethane	10.908	129	89178	58.817	ug/l		99
61) 1,2-Dibromoethane	11.012	107	61559	58.408	ug/l		95
64) Tetrachloroethene	10.646	164	69112	50.502	ug/l		99
65) Chlorobenzene	11.438	112	218806	53.837	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.512	131	85488	60.072	ug/l		99
67) Ethyl Benzene	11.518	91	377872	52.490	ug/l		99
68) m/p-Xylenes	11.627	106	275336	101.683	ug/l		100
69) o-Xylene	11.957	106	133078	52.462	ug/l		98
70) Styrene	11.969	104	145442	34.461	ug/l		95
71) Bromoform	12.133	173	49481	60.778	ug/l	#	99
73) Isopropylbenzene	12.255	105	305940	64.183	ug/l		100
74) N-amyl acetate	12.072	43	100797	83.194	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	70814	84.177	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	52430m	82.614	ug/l		
77) Bromobenzene	12.530	156	78858	71.126	ug/l		98
78) n-propylbenzene	12.597	91	321596	55.599	ug/l		99
79) 2-Chlorotoluene	12.676	91	204105	61.485	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	210571	53.862	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	22326	78.190	ug/l		98
82) 4-Chlorotoluene	12.780	91	198559	57.702	ug/l		100
83) tert-Butylbenzene	12.999	119	178441	50.529	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	210873	54.235	ug/l		100
85) sec-Butylbenzene	13.176	105	214897	41.660	ug/l		99
86) p-Isopropyltoluene	13.292	119	173012	40.168	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	106828	48.710	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	111142	51.298	ug/l		99
89) n-Butylbenzene	13.615	91	120521	29.734	ug/l		99
90) Hexachloroethane	13.877	117	38746	43.065	ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	102285	53.232	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10374	77.954	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	23272	19.844	ug/l		98
94) Hexachlorobutadiene	15.023	225	10275	13.917	ug/l		98
95) Naphthalene	15.145	128	68572	35.301	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	20565	20.754	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Feb 27 00:44:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
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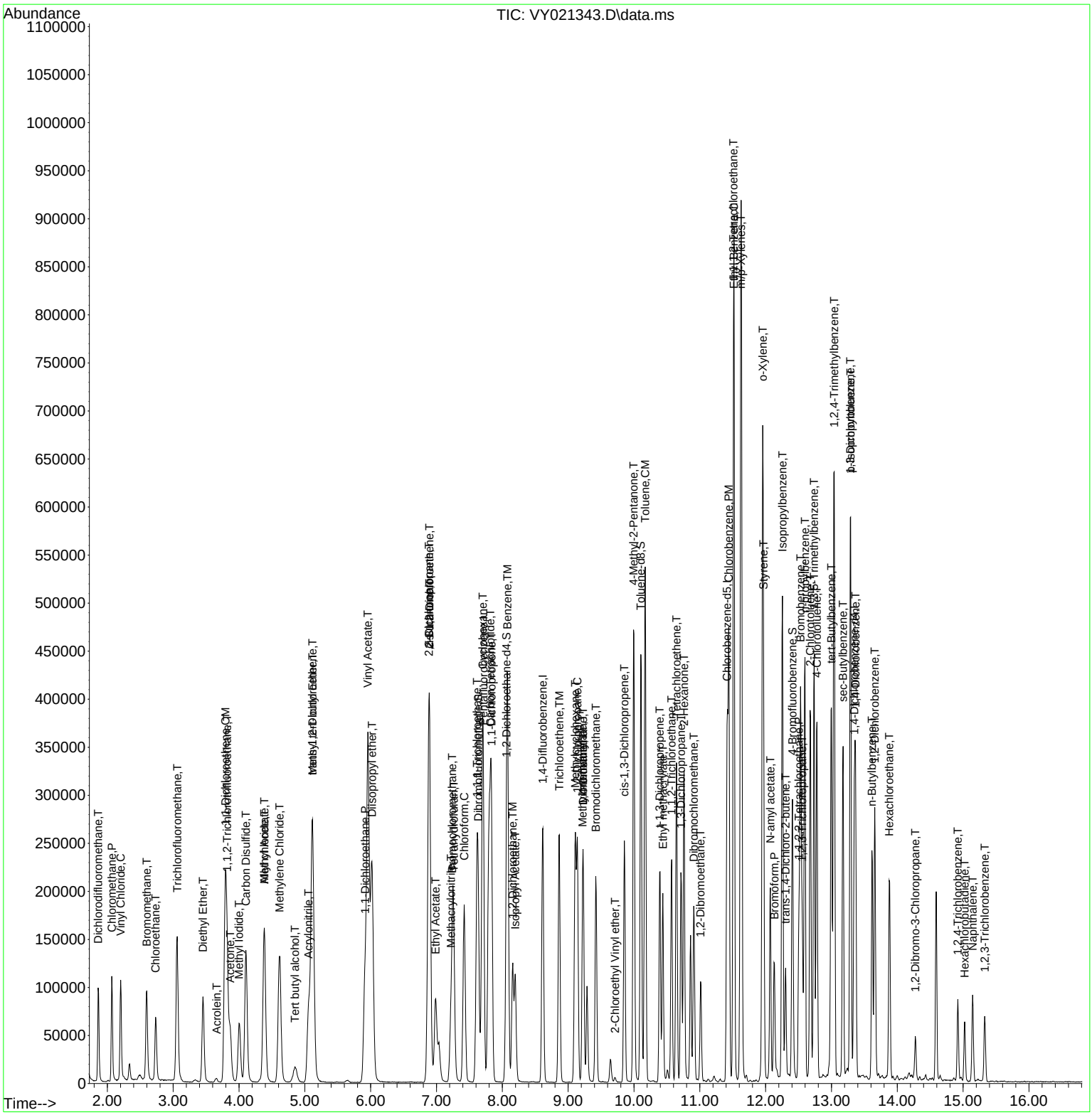

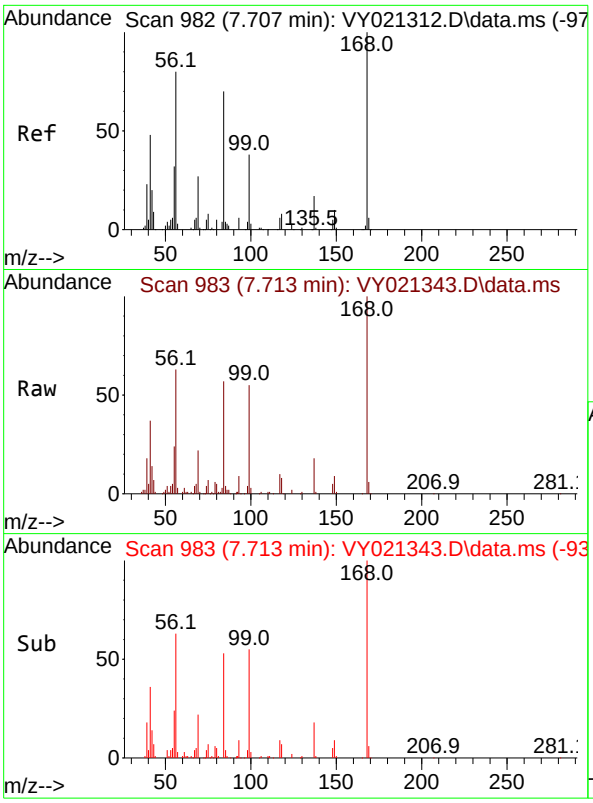

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:168 Resp: 13710

Ion	Ratio	Lower	Upper
168	100		
99	55.3	47.1	70.7

Instrument :
MSVOA_Y
ClientSampleId :
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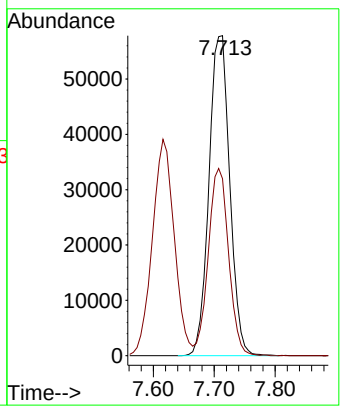
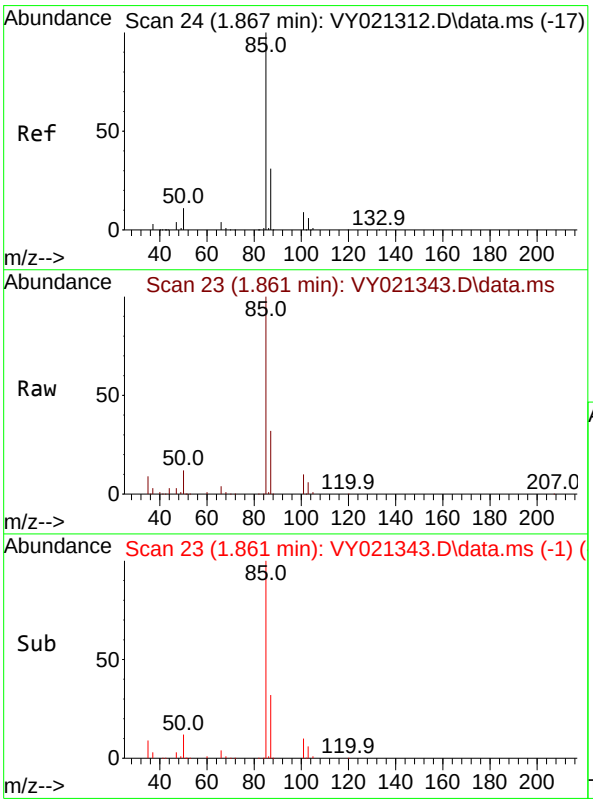
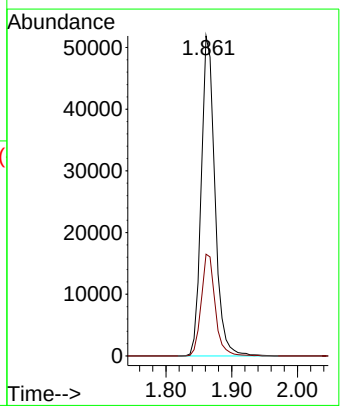


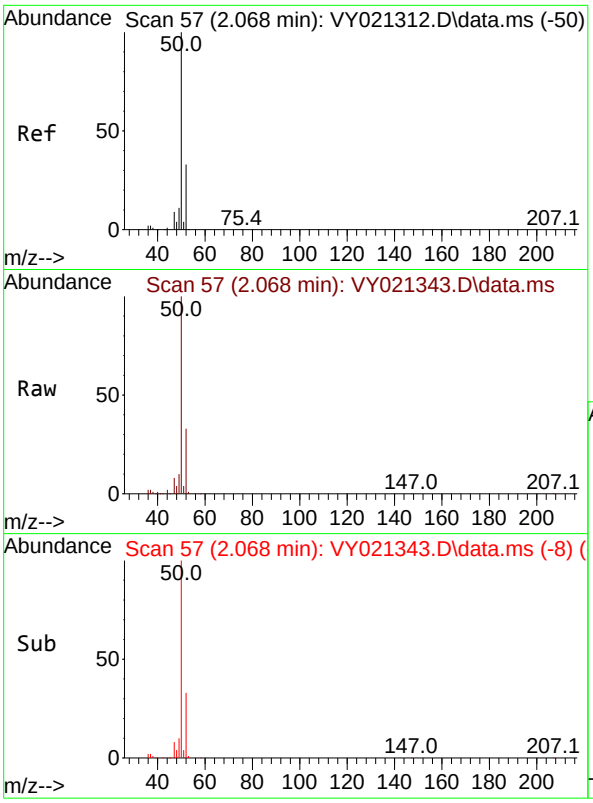


#2
Dichlorodifluoromethane
Concen: 57.730 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 85 Resp: 75041

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.4	46.4

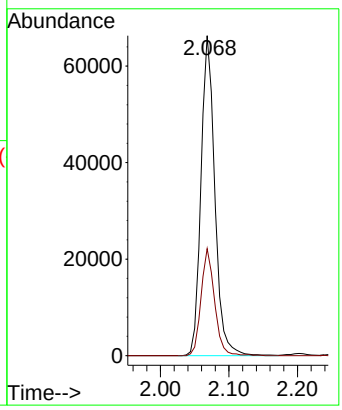




#3
Chloromethane
Concen: 55.654 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 50 Resp: 9342

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
APPROVED

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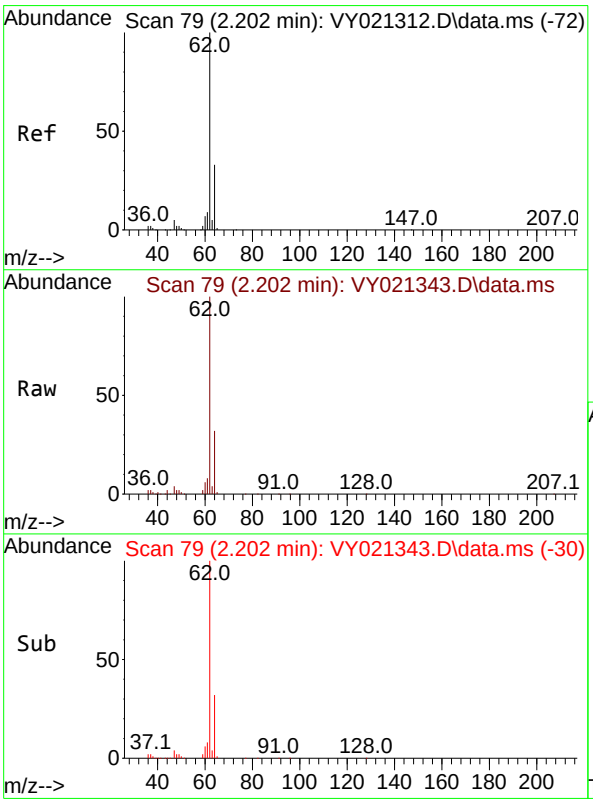
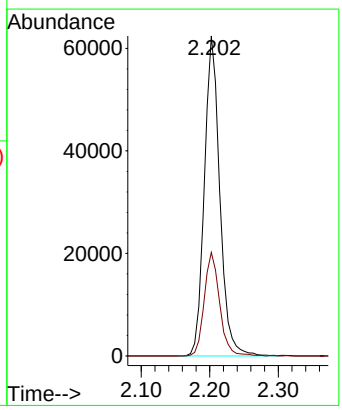
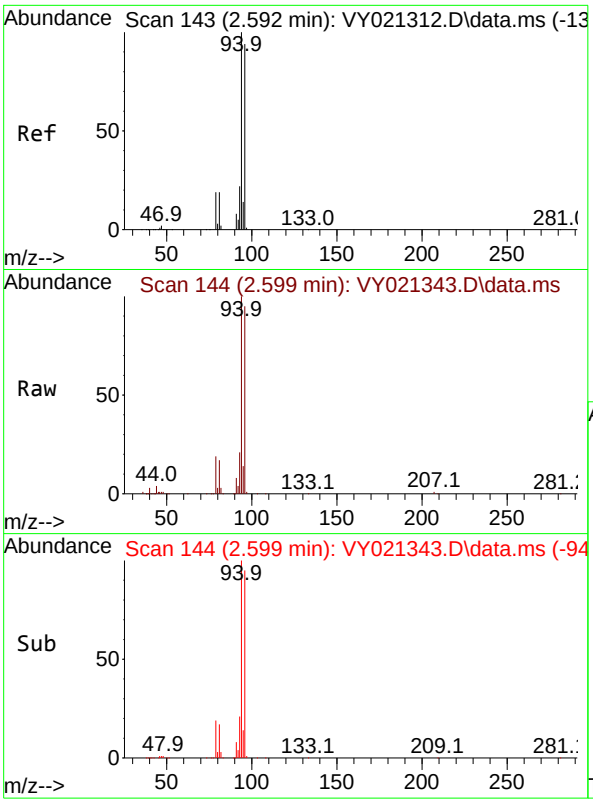


#4
Vinyl Chloride
Concen: 59.495 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 62 Resp: 98032

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.3	39.5

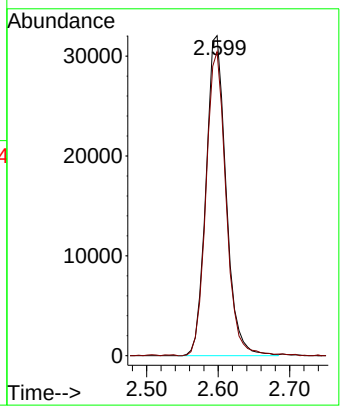




#5
Bromomethane
Concen: 57.132 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 94 Resp: 6255

Ion	Ratio	Lower	Upper
94	100		
96	95.0	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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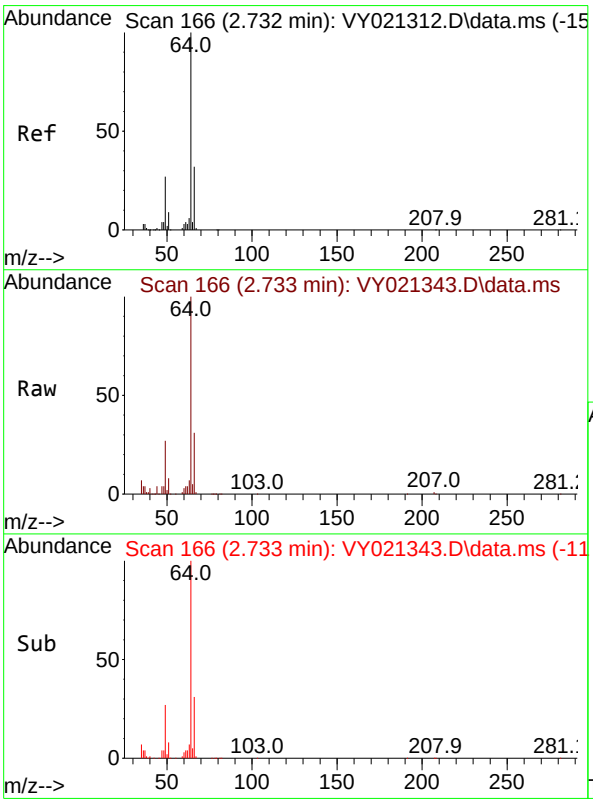
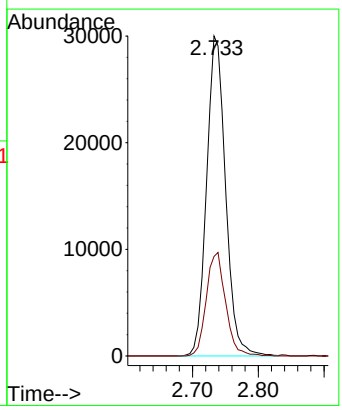
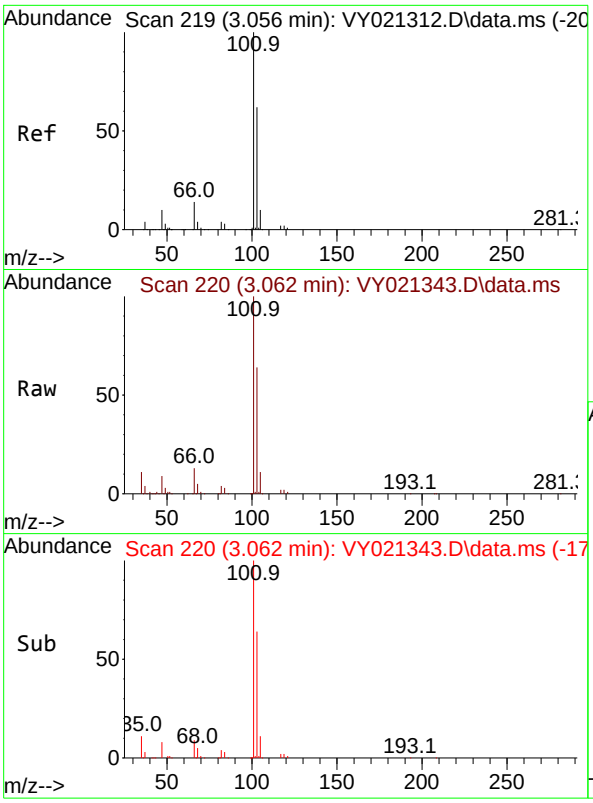


#6
Chloroethane
Concen: 58.973 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 64 Resp: 60258

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.4	38.0

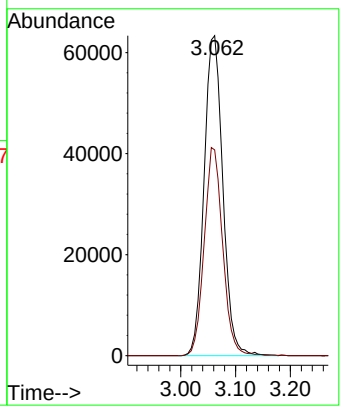




#7
Trichlorofluoromethane
Concen: 60.353 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:101 Resp: 15018

Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.7	74.5



Instrument :
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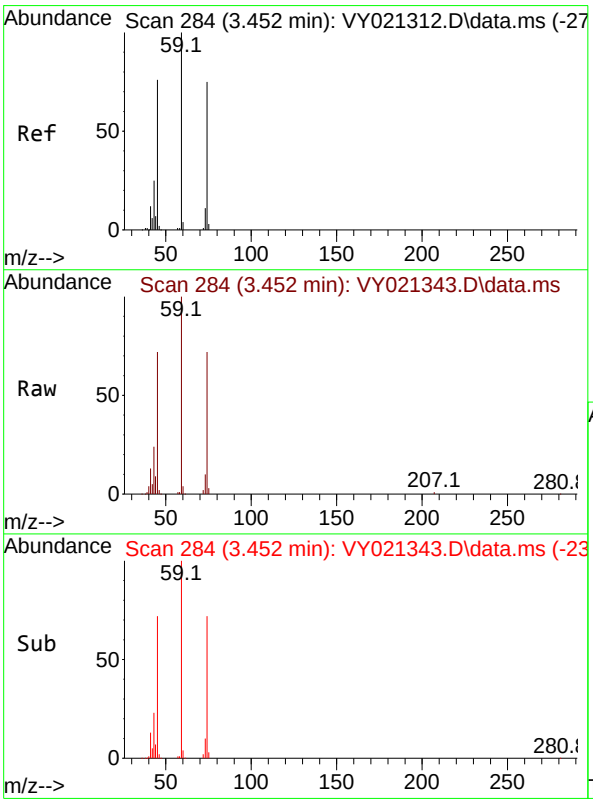
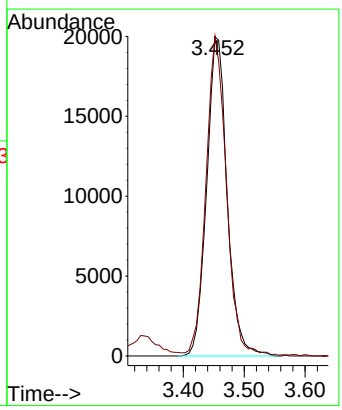
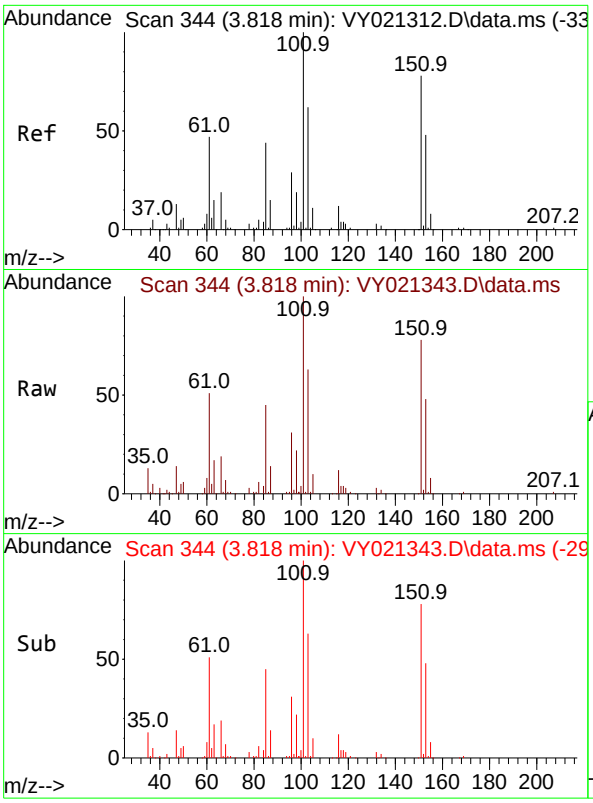


#8
Diethyl Ether
Concen: 62.281 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 74 Resp: 46516

Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.129 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:101 Resp: 8230

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.7	55.1
151	78.1	62.6	94.0

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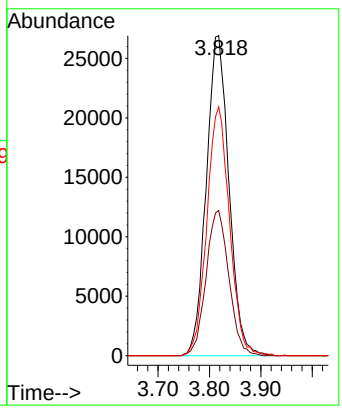
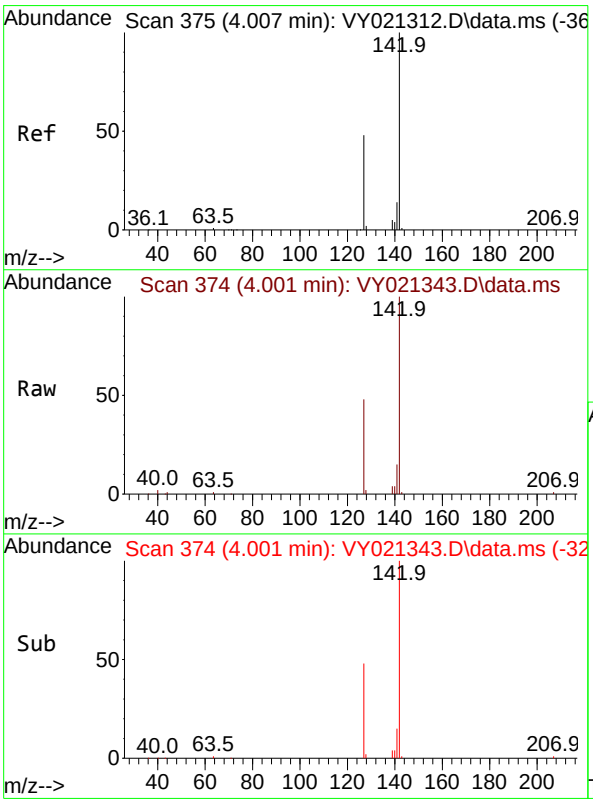
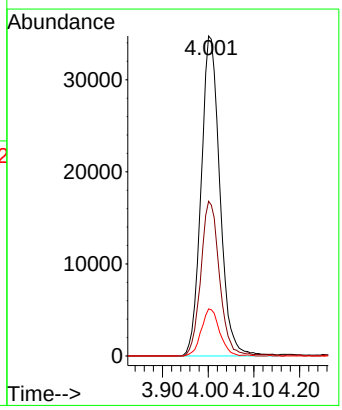


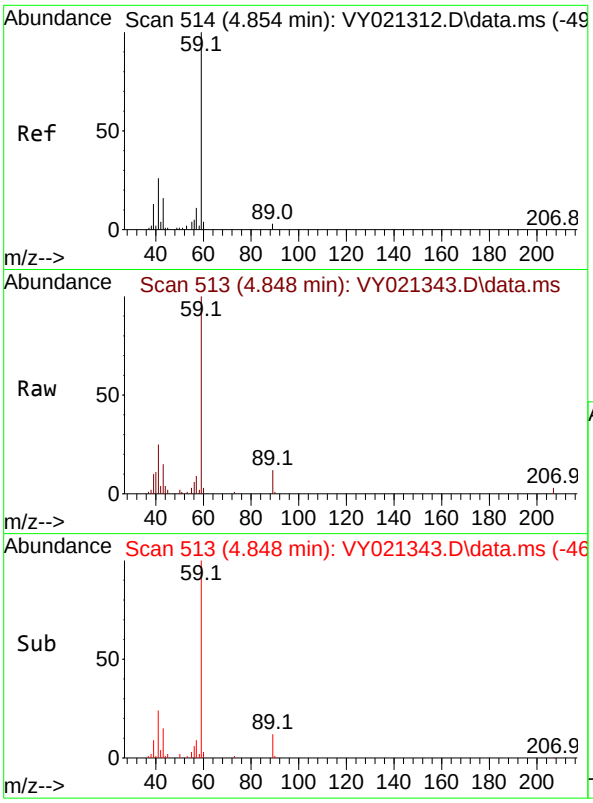


#10
Methyl Iodide
Concen: 65.363 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:142 Resp: 99072

Ion	Ratio	Lower	Upper
142	100		
127	48.2	39.2	58.8
141	14.3	11.4	17.2

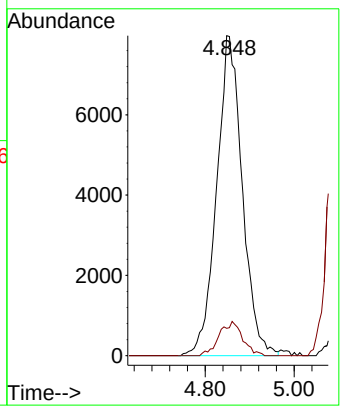




#11
Tert butyl alcohol
Concen: 266.356 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 59 Resp: 3186

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



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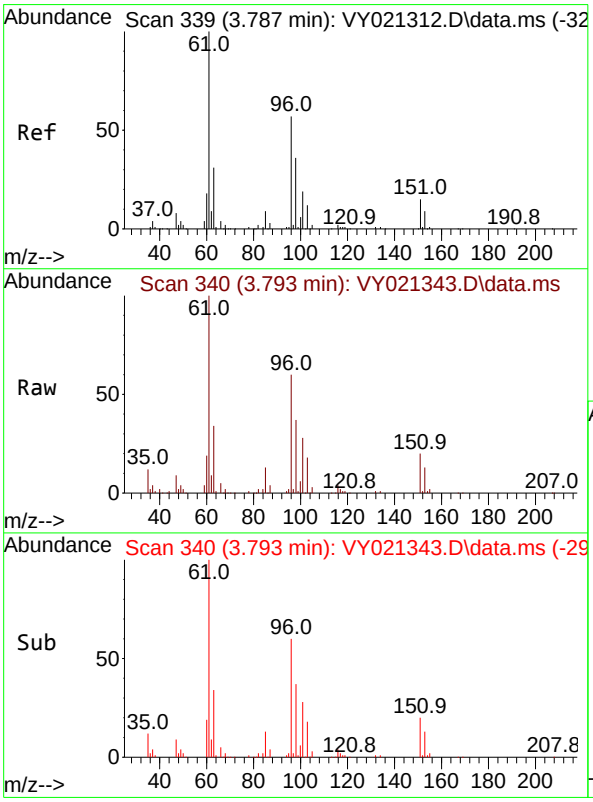
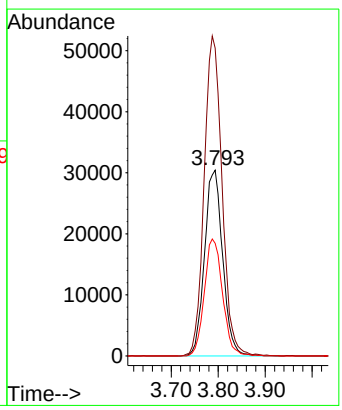
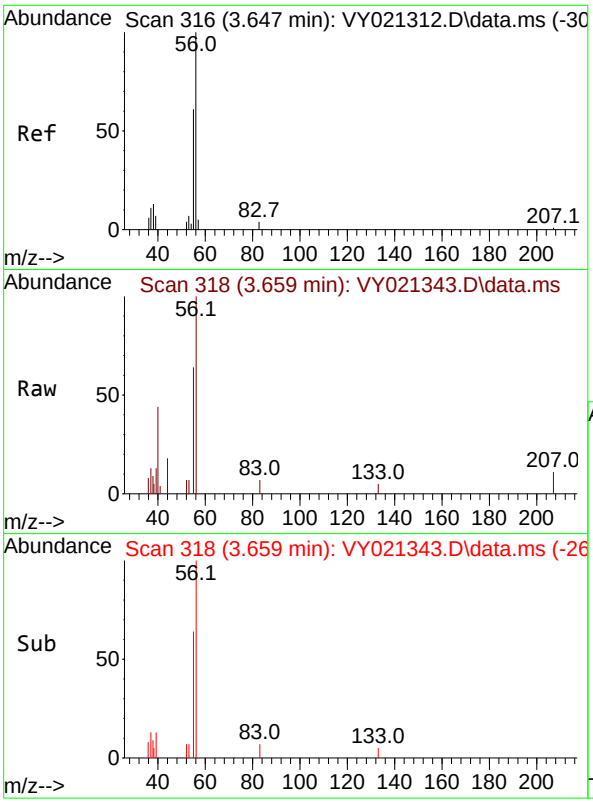


#12
1,1-Dichloroethene
Concen: 59.161 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 96 Resp: 81611

Ion	Ratio	Lower	Upper
96	100		
61	165.6	139.7	209.5
98	60.6	49.7	74.5

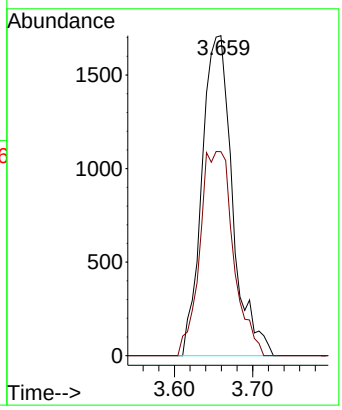




#13
Acrolein
Concen: 50.560 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 56 Resp: 463

Ion	Ratio	Lower	Upper
56	100		
55	70.0	59.0	88.6



Instrument :
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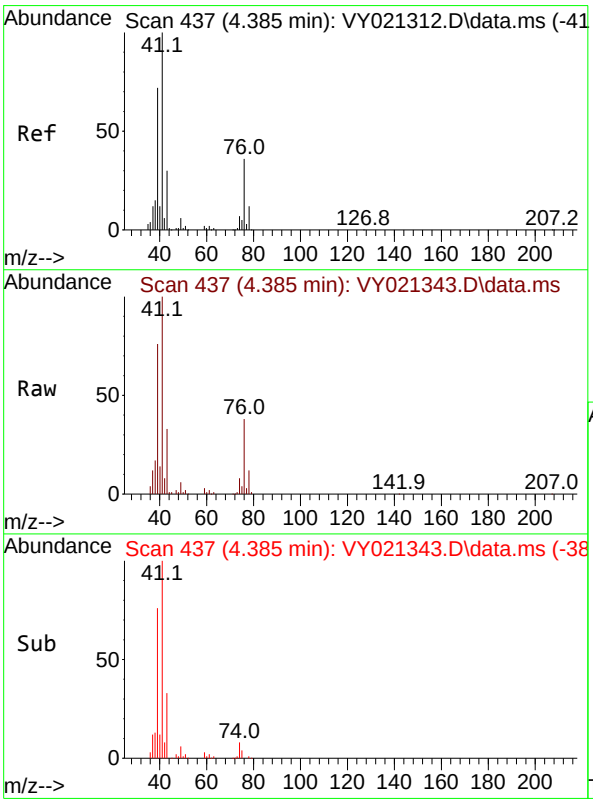
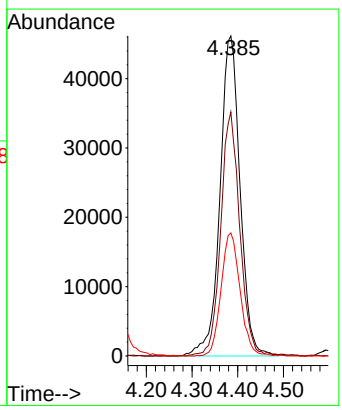
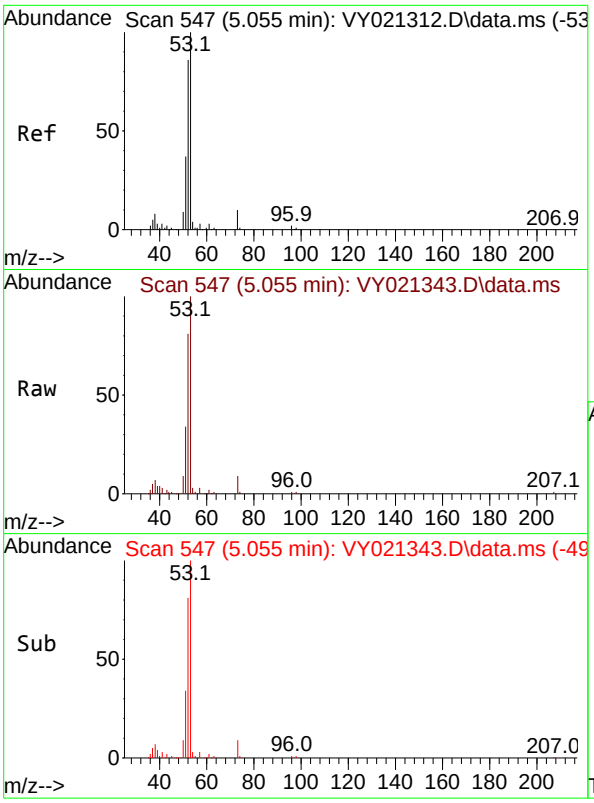


#14
Allyl chloride
Concen: 57.725 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 41 Resp: 141183

Ion	Ratio	Lower	Upper
41	100		
39	72.3	60.0	90.0
76	36.5	29.0	43.6

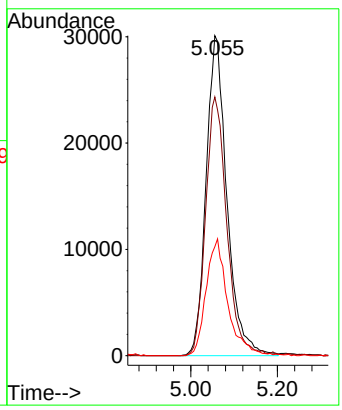




#15
Acrylonitrile
Concen: 304.725 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 53 Resp: 10062

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	38.2	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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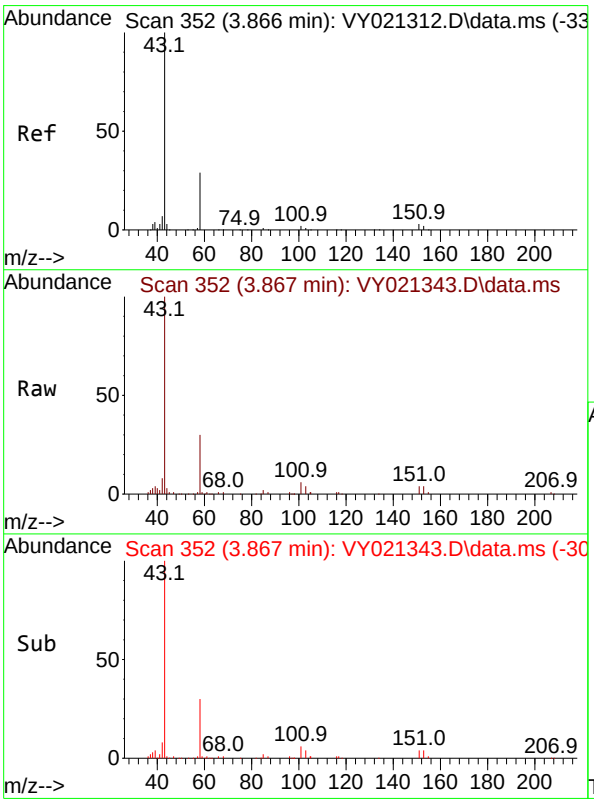
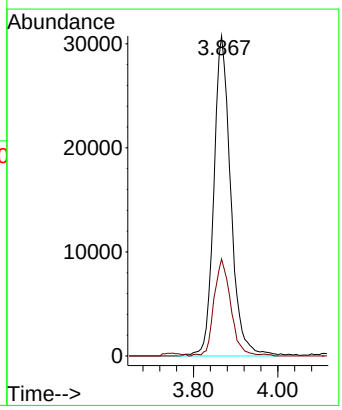
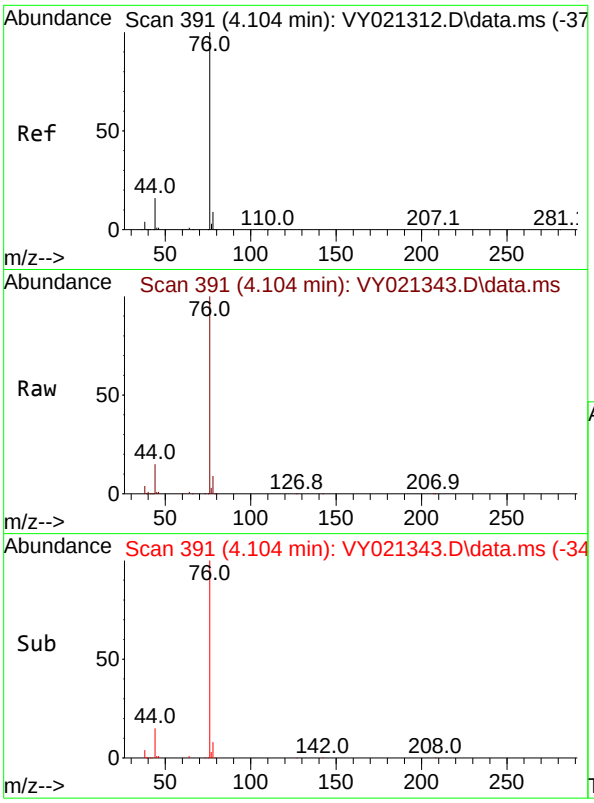


#16
Acetone
Concen: 286.319 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 85420

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.5	35.3





#17
Carbon Disulfide
Concen: 58.568 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 76 Resp: 26828

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Instrument :
MSVOA_Y
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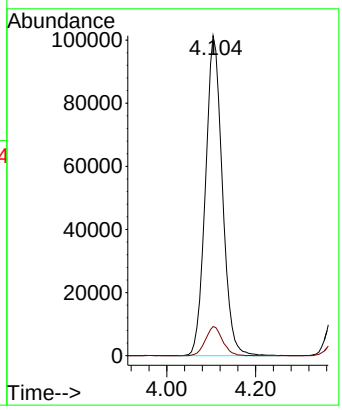
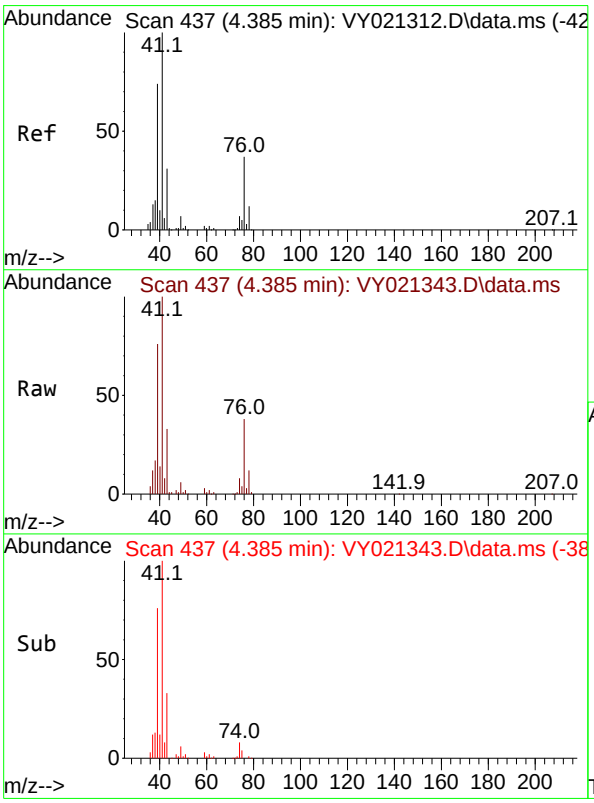
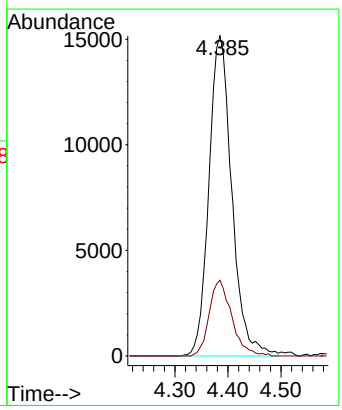


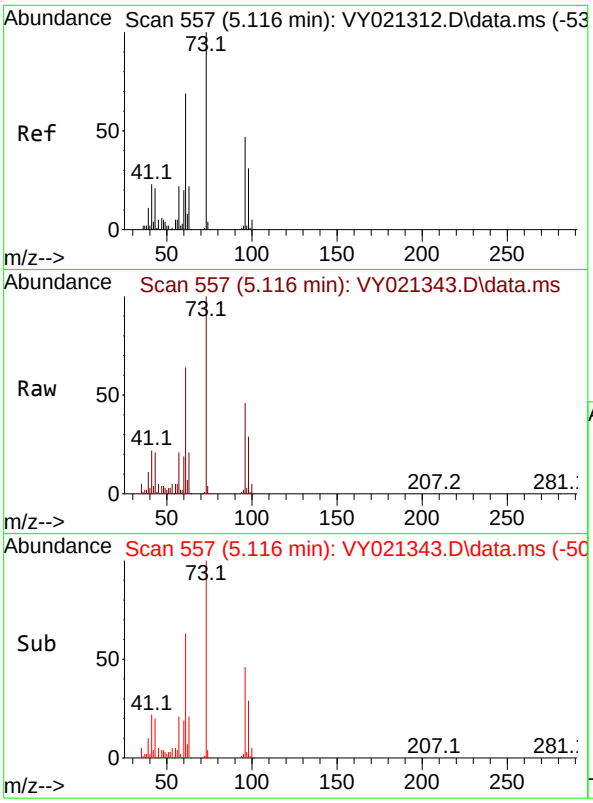


#18
Methyl Acetate
Concen: 62.308 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 45429

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.7	26.5

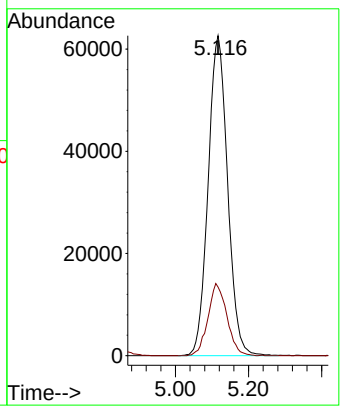




#19
Methyl tert-butyl Ether
Concen: 63.444 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 73 Resp: 23123

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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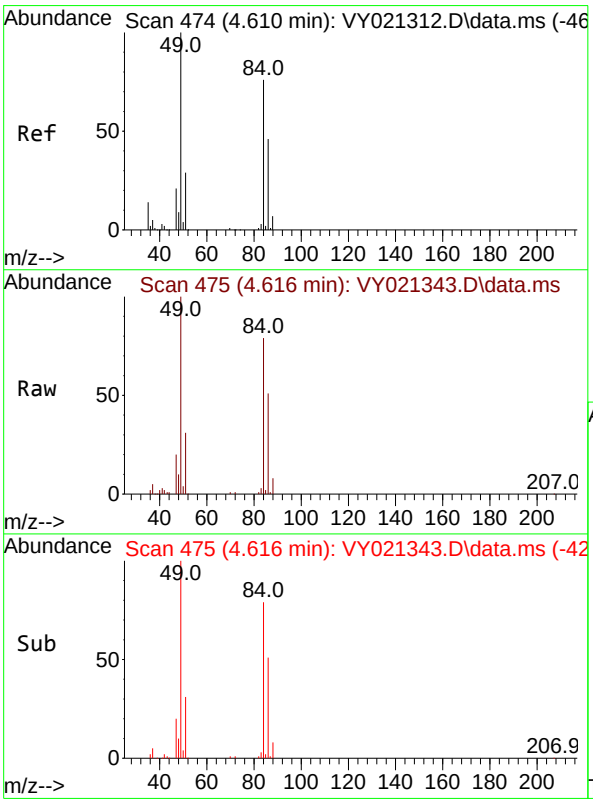
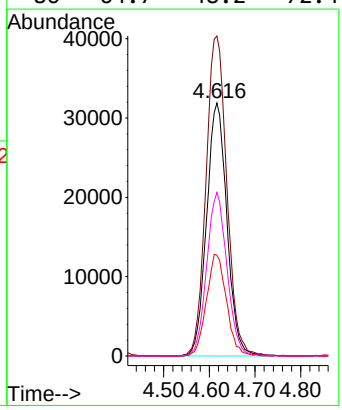
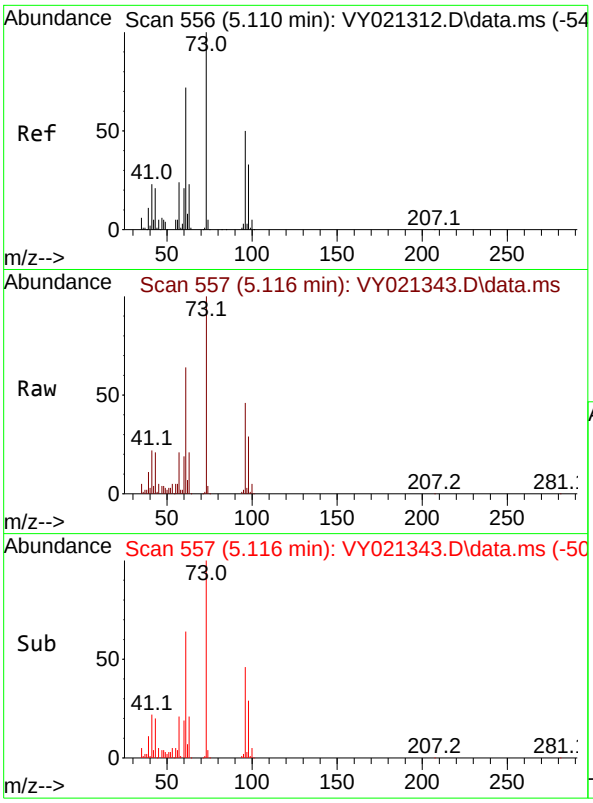


#20
Methylene Chloride
Concen: 61.081 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 84 Resp: 98540

Ion	Ratio	Lower	Upper
84	100		
49	126.5	105.1	157.7
51	39.8	31.0	46.4
86	64.7	48.2	72.4





#21
trans-1,2-Dichloroethene
Concen: 58.925 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 96 Resp: 8948

Ion	Ratio	Lower	Upper
96	100		
61	138.9	116.3	174.5
98	62.9	52.6	78.8

Instrument :
MSVOA_Y
ClientSampleId :
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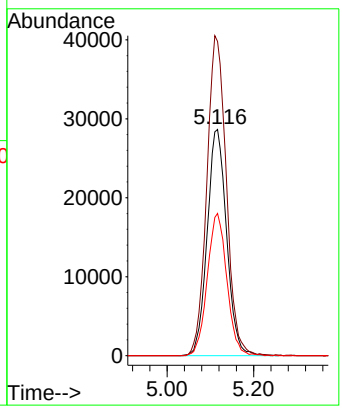
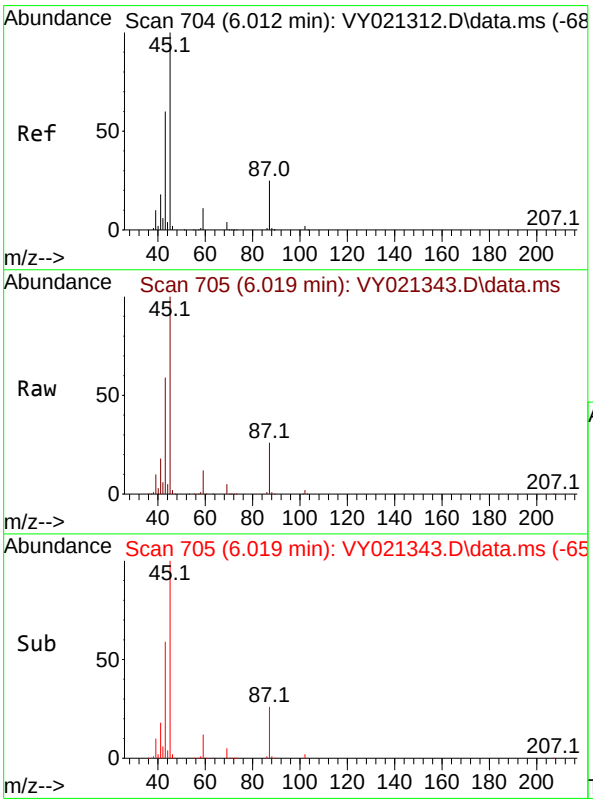
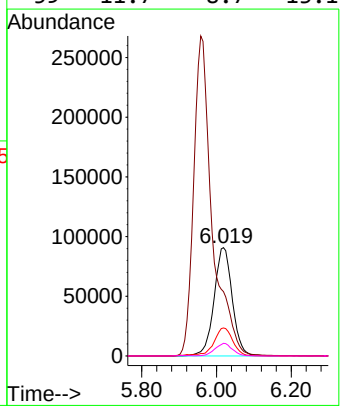


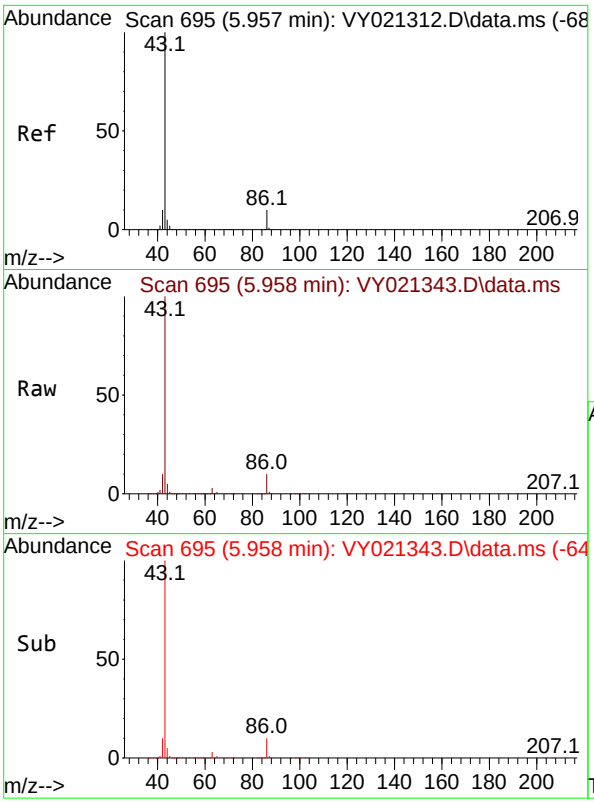


#22
Diisopropyl ether
Concen: 60.741 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 45 Resp: 307420

Ion	Ratio	Lower	Upper
45	100		
43	58.8	48.2	72.4
87	25.9	20.3	30.5
59	11.7	8.7	13.1

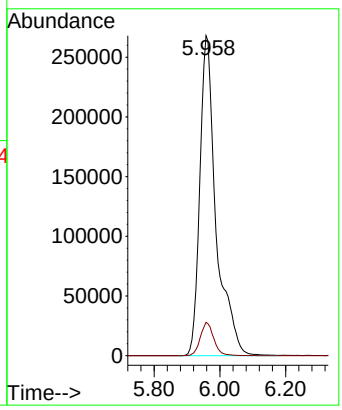




#23
Vinyl Acetate
Concen: 305.030 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 92253

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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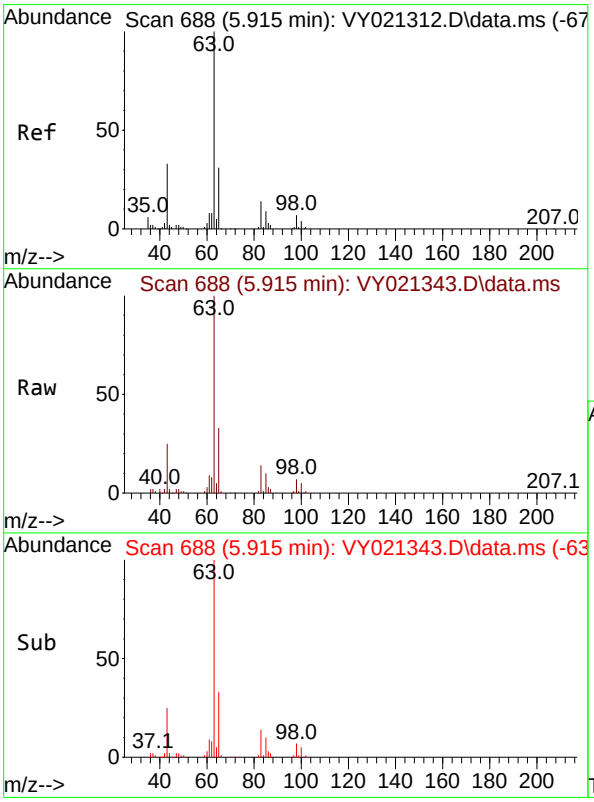
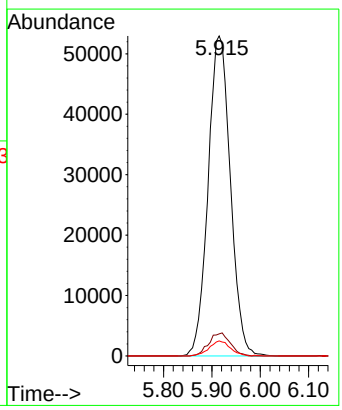
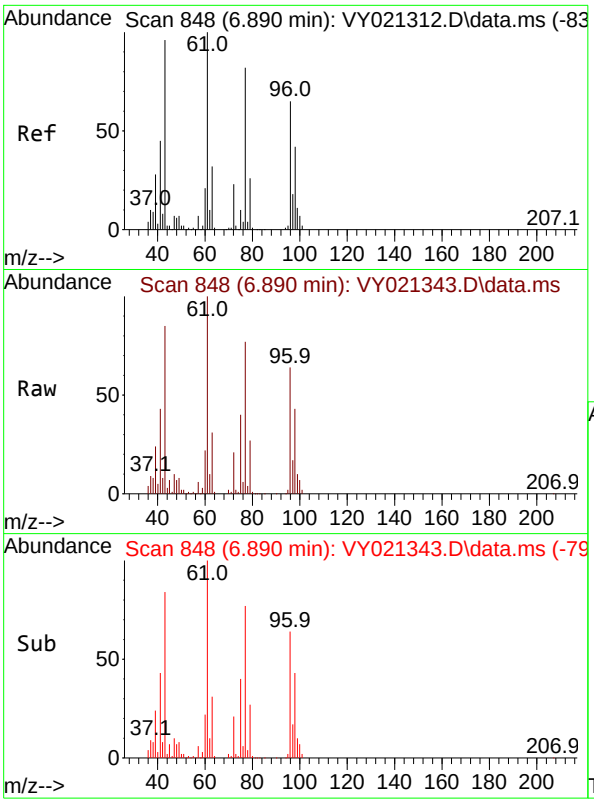


#24
1,1-Dichloroethane
Concen: 59.314 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 63 Resp: 169196

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.7	11.1
100	4.7	2.1	6.5





#25
2-Butanone
Concen: 290.381 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 13074

Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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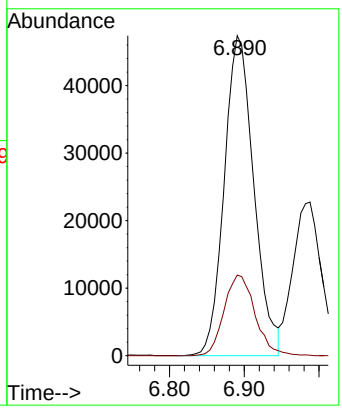
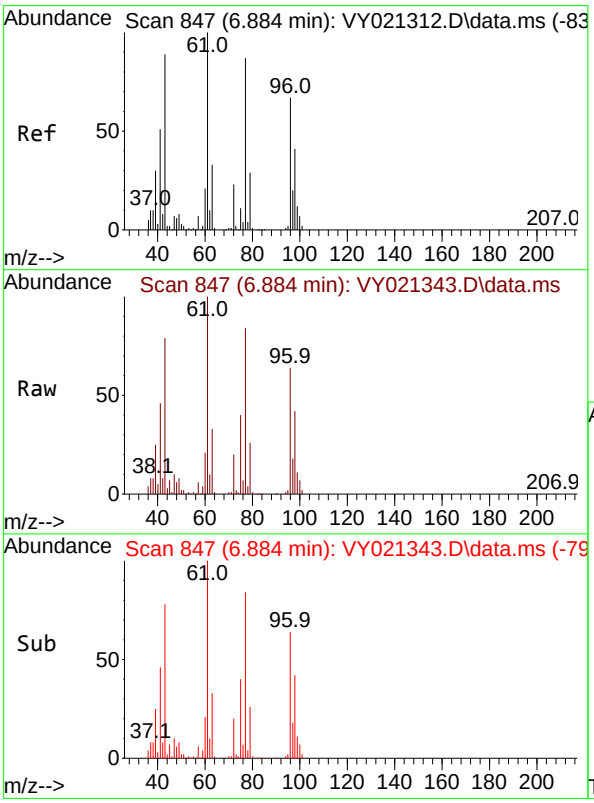
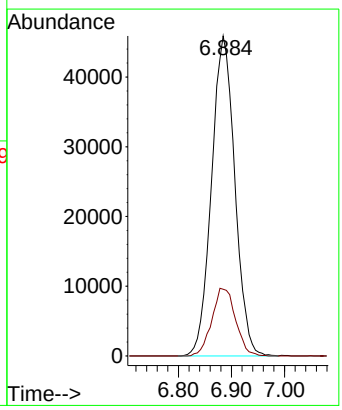


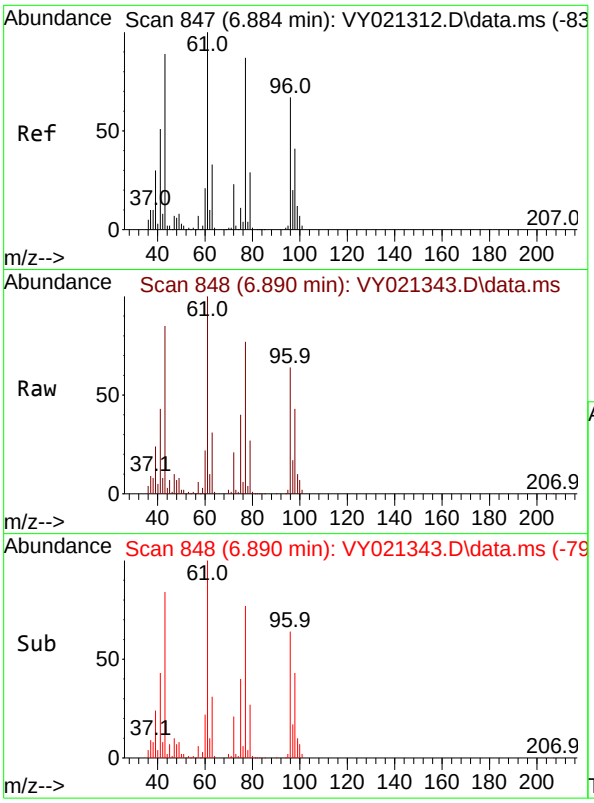


#26
2,2-Dichloropropane
Concen: 54.110 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 77 Resp: 140057

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.9	32.7

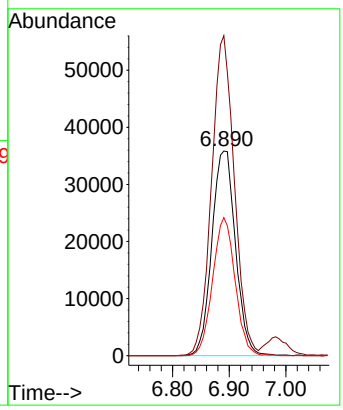




#27
cis-1,2-Dichloroethene
Concen: 59.913 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 96 Resp: 10389

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	308.0
98	64.2	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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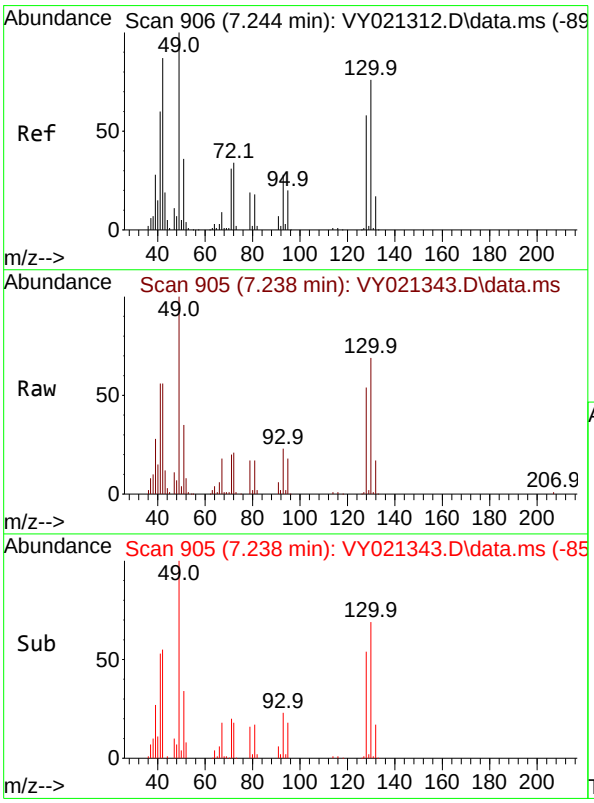
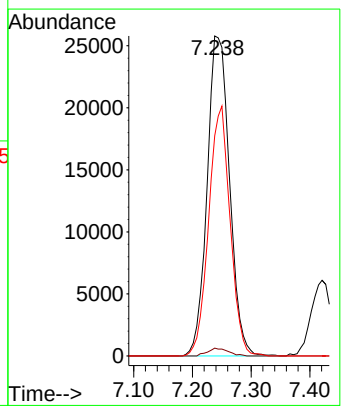
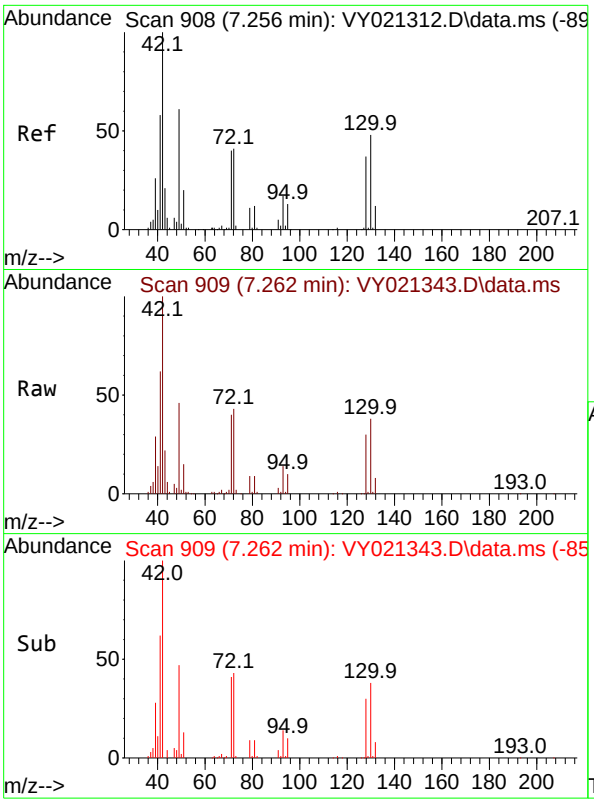


#28
Bromochloromethane
Concen: 54.201 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 49 Resp: 68413

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	74.5	57.8	86.6

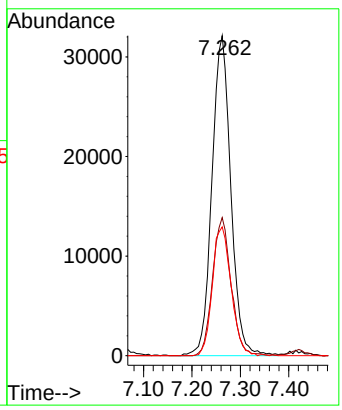




#29
Tetrahydrofuran
Concen: 296.758 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 42 Resp: 8734

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.1	49.7
71	40.1	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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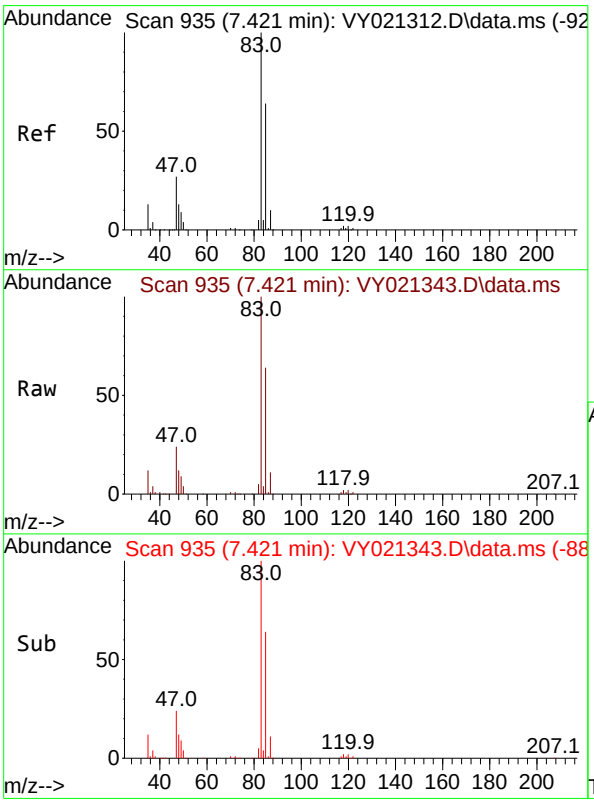
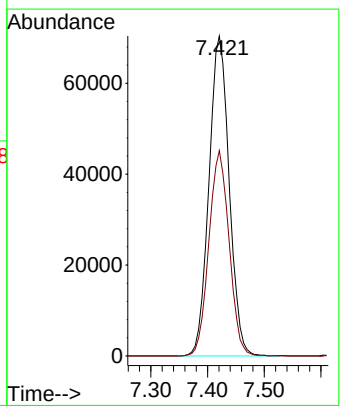
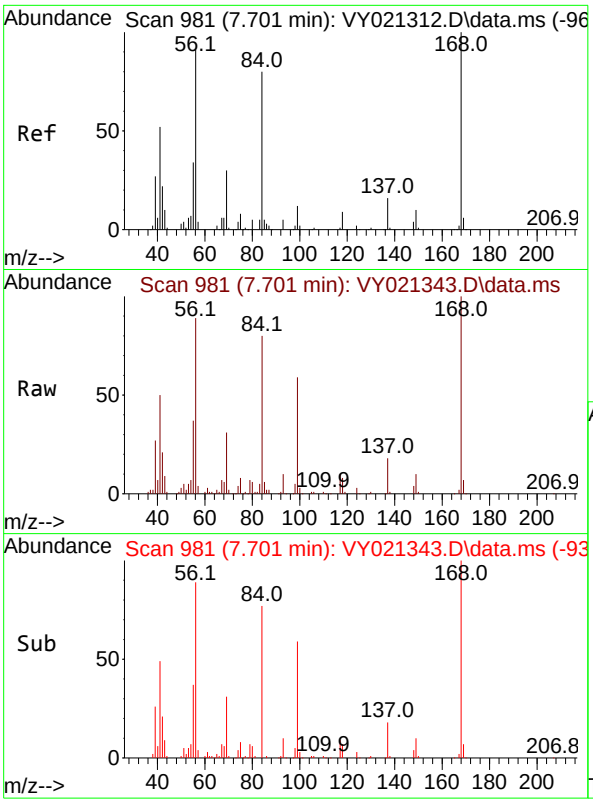


#30
Chloroform
Concen: 60.260 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 83 Resp: 174182

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4





#31
Cyclohexane
Concen: 45.606 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 56 Resp: 12505

Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.2	39.4
84	88.1	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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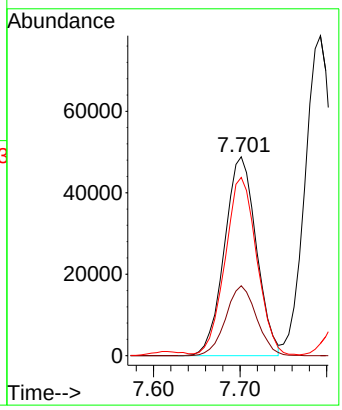
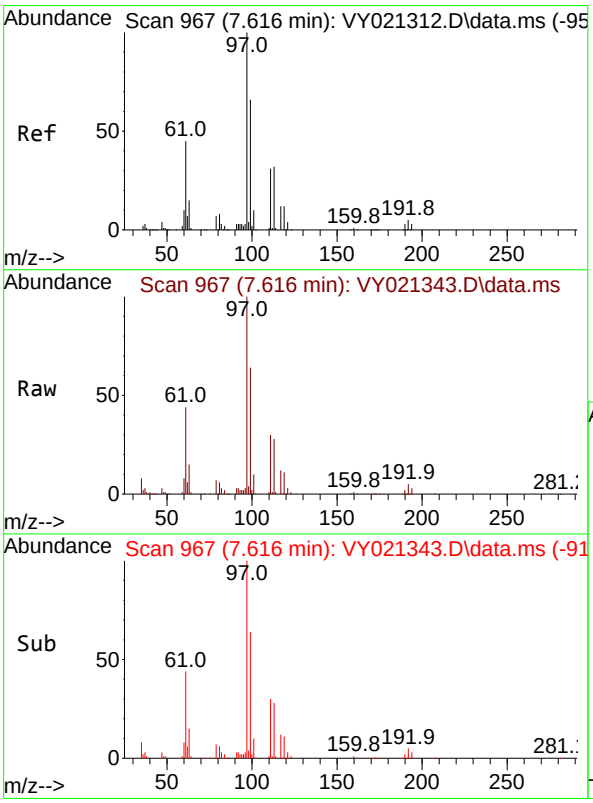
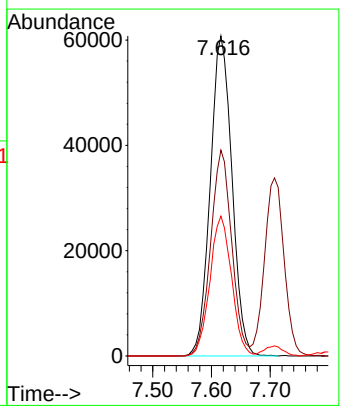


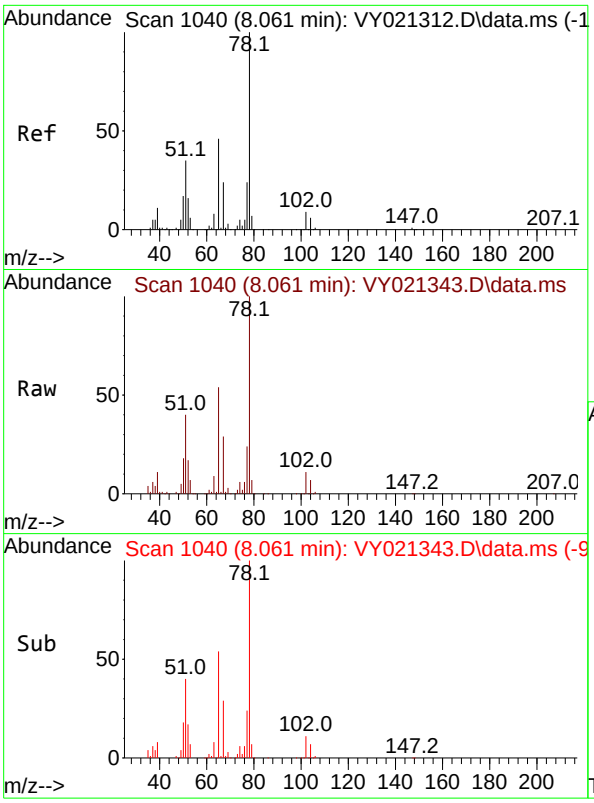


#32
1,1,1-Trichloroethane
Concen: 59.253 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 97 Resp: 155893

Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.4	78.6
61	43.5	36.2	54.2

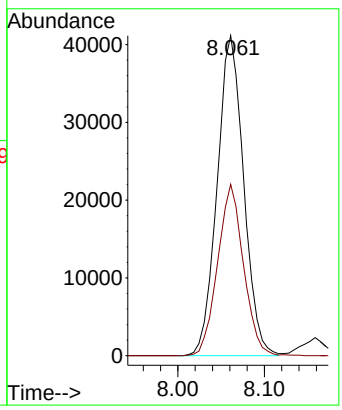




#33
1,2-Dichloroethane-d4
Concen: 56.277 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 65 Resp: 8752

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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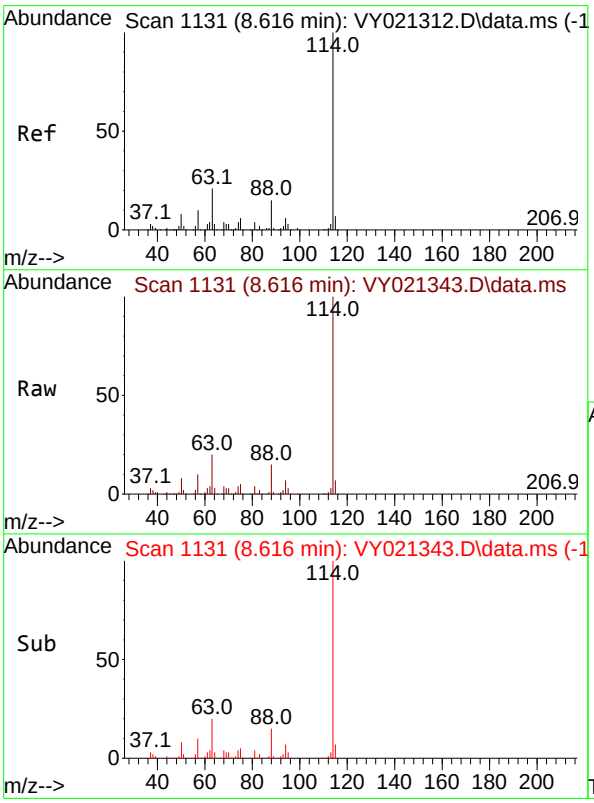
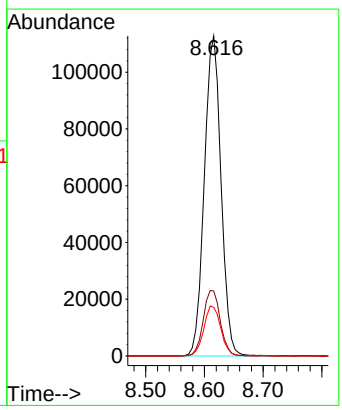
Supervised By :Mahesh Dadoda 02/27/2025

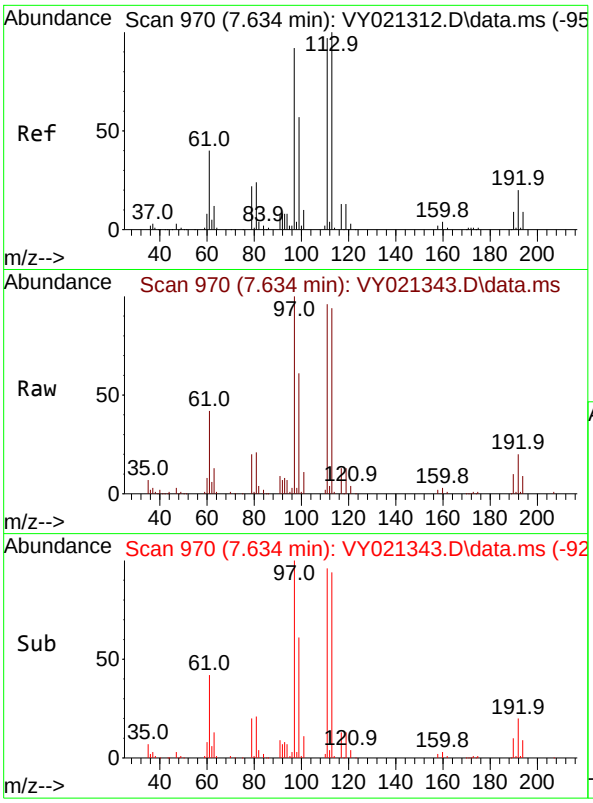


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:114 Resp: 223153

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.2
88	15.2	0.0	29.8

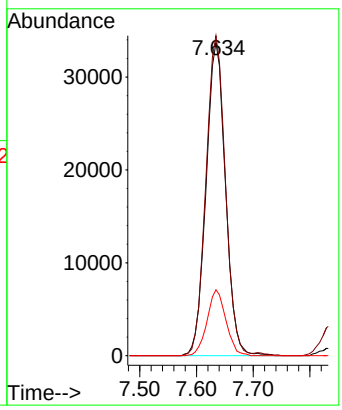




#35
Dibromofluoromethane
Concen: 54.952 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:113 Resp: 8039

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.6
192	20.4	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
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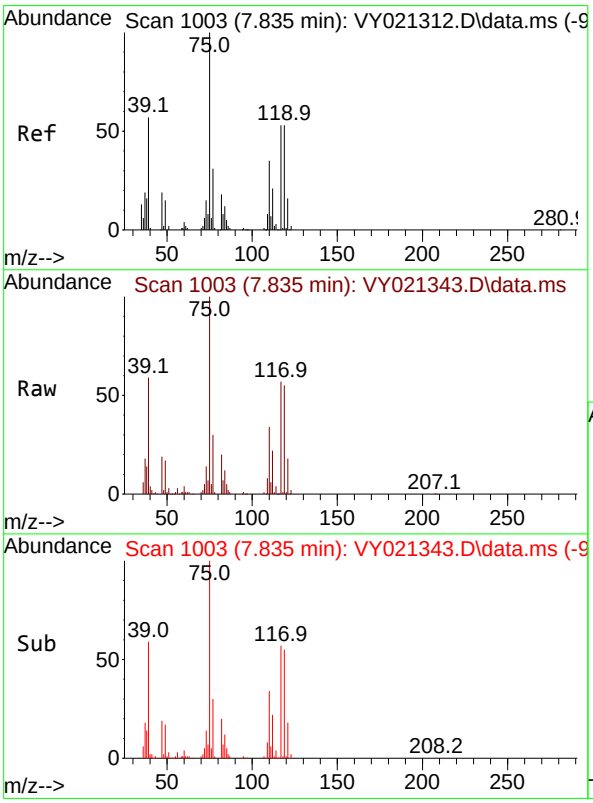
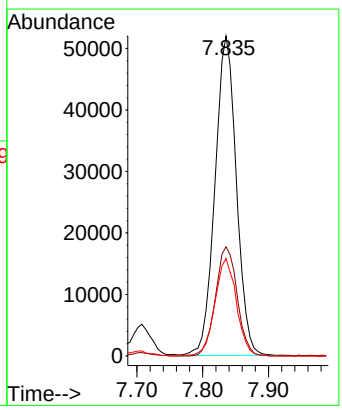
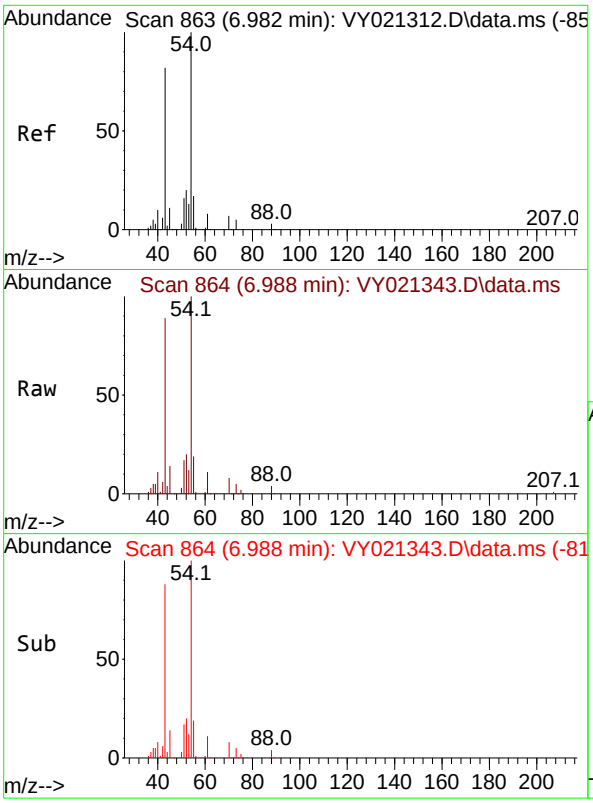


#36
1,1-Dichloropropene
Concen: 53.579 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 117746

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.7
77	30.7	24.6	36.8

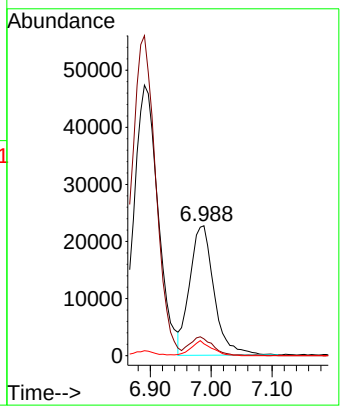




#37
Ethyl Acetate
Concen: 57.519 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 6287

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.6	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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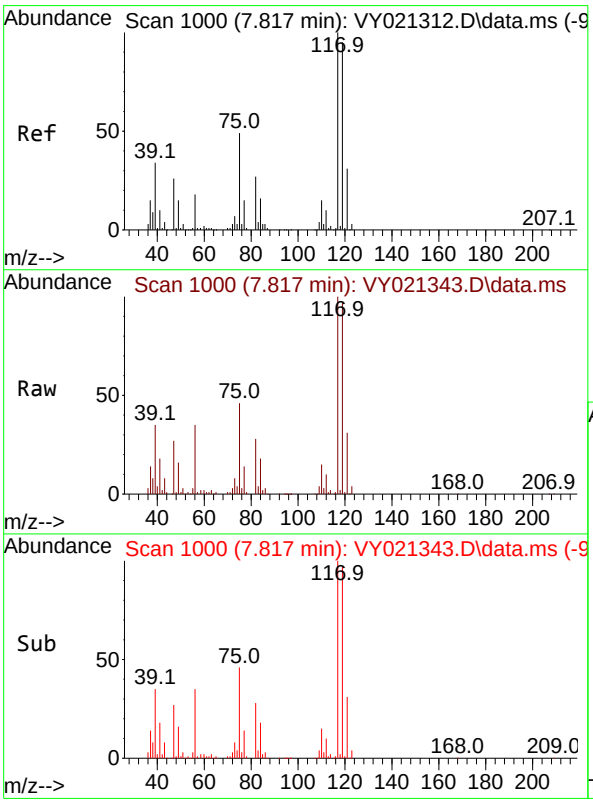
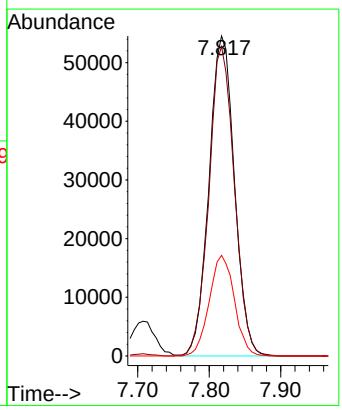
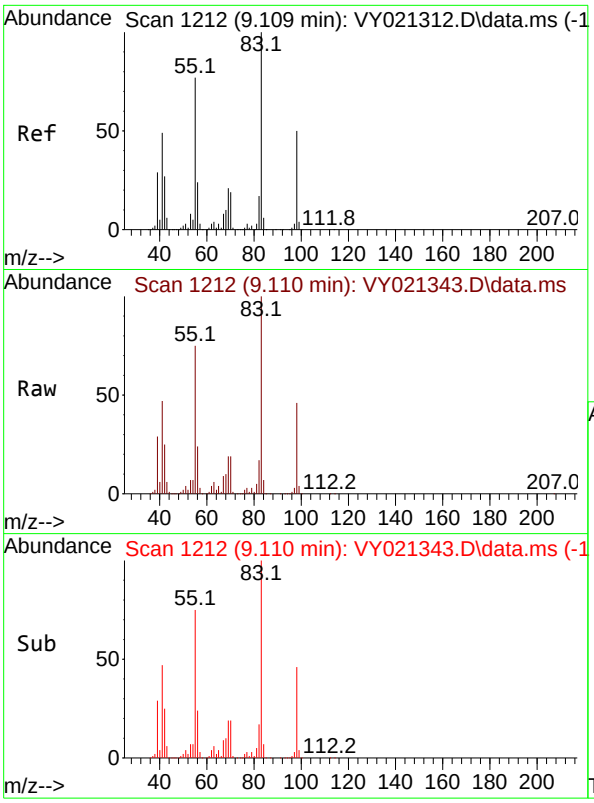


#38
Carbon Tetrachloride
Concen: 54.629 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:117 Resp: 134965

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.0	114.0
121	31.4	24.9	37.3





#39
Methylcyclohexane
Concen: 35.756 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 83 Resp: 9938

Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.3	91.9
98	46.5	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
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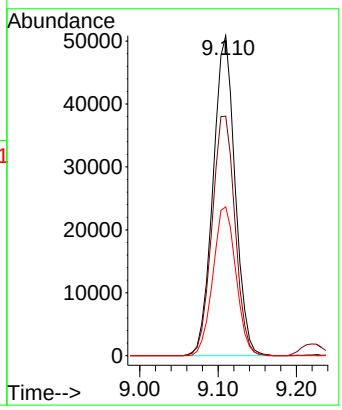
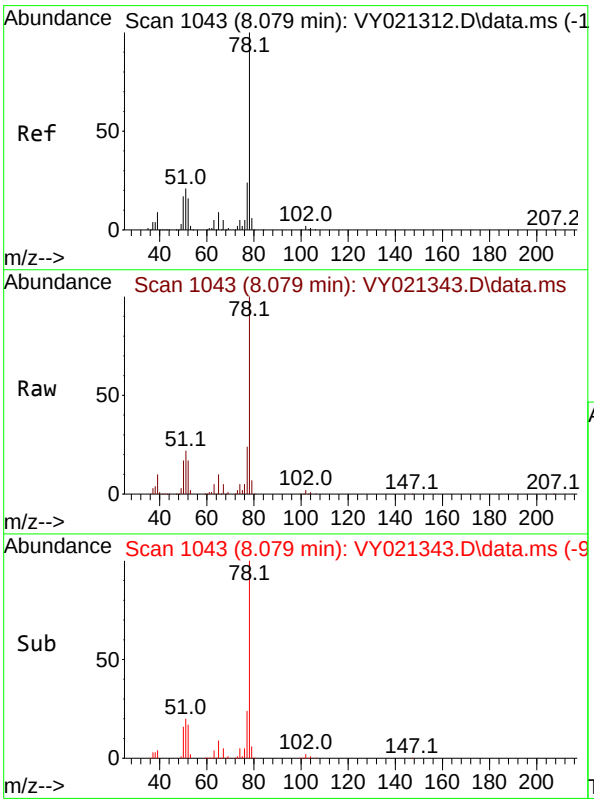
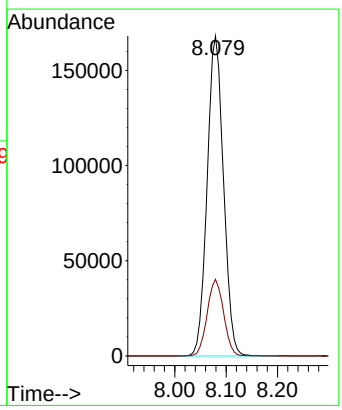


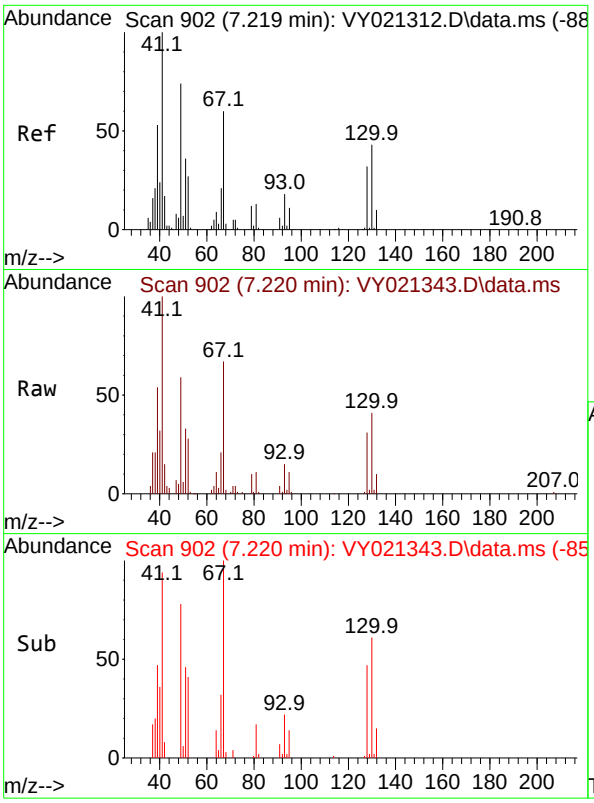


#40
Benzene
Concen: 57.020 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 78 Resp: 370415

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8

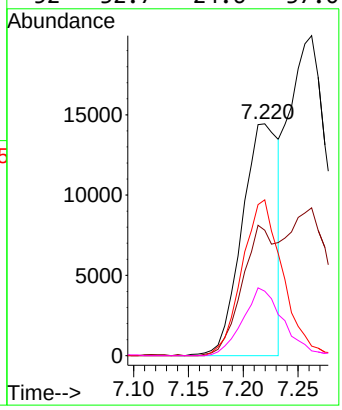




#41
Methacrylonitrile
Concen: 54.467 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 41 Resp: 3329

Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.3	63.5
67	75.4	54.8	82.2
52	32.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
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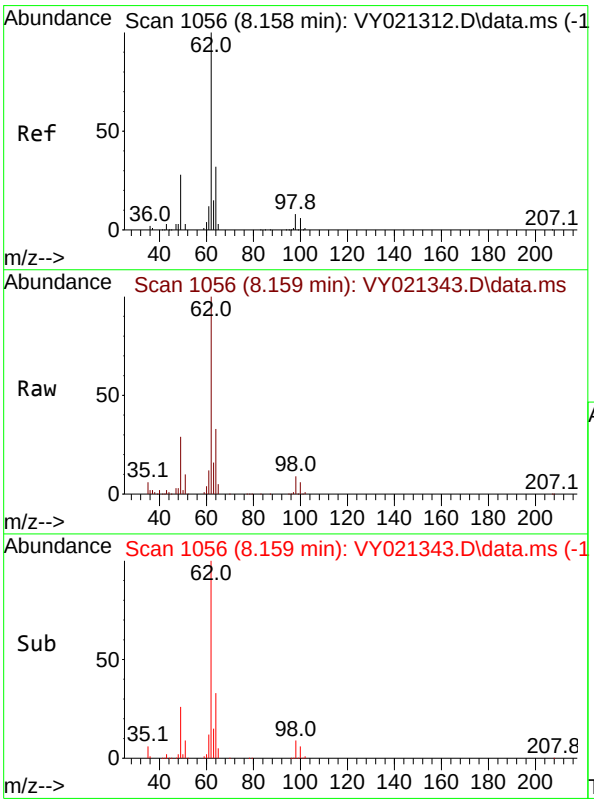
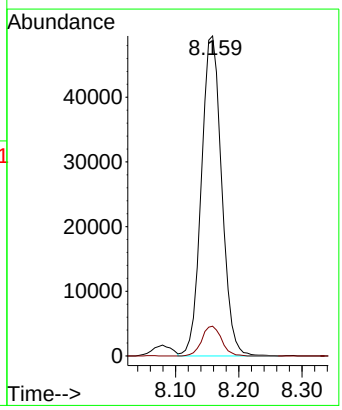
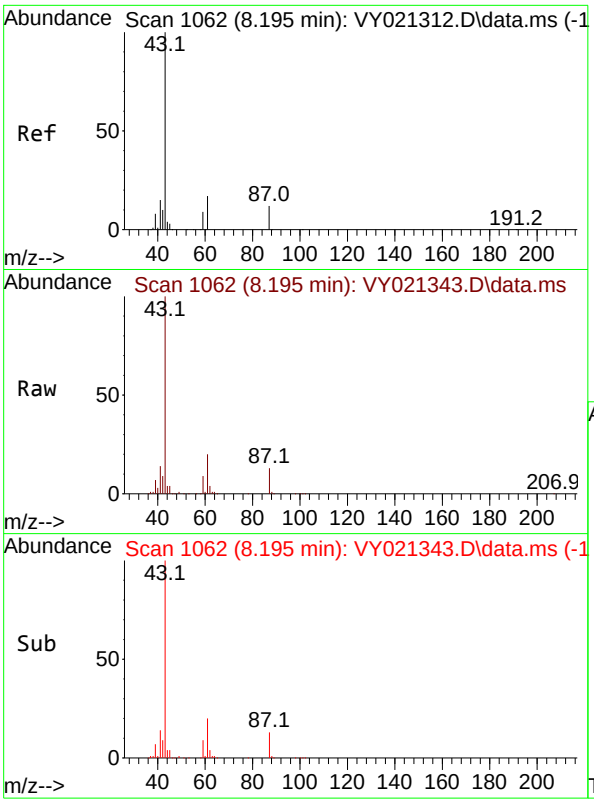


#42
1,2-Dichloroethane
Concen: 60.018 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 62 Resp: 110620

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43
Isopropyl Acetate
Concen: 58.355 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 12347

Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.0	22.6
87	13.1	10.0	15.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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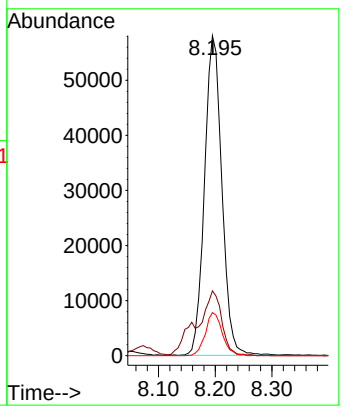
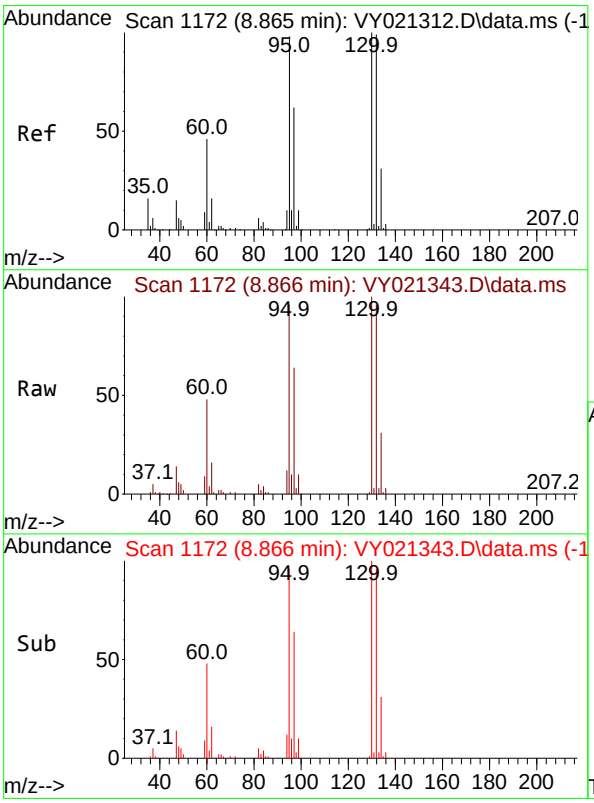
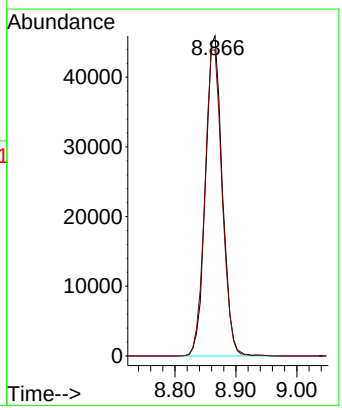


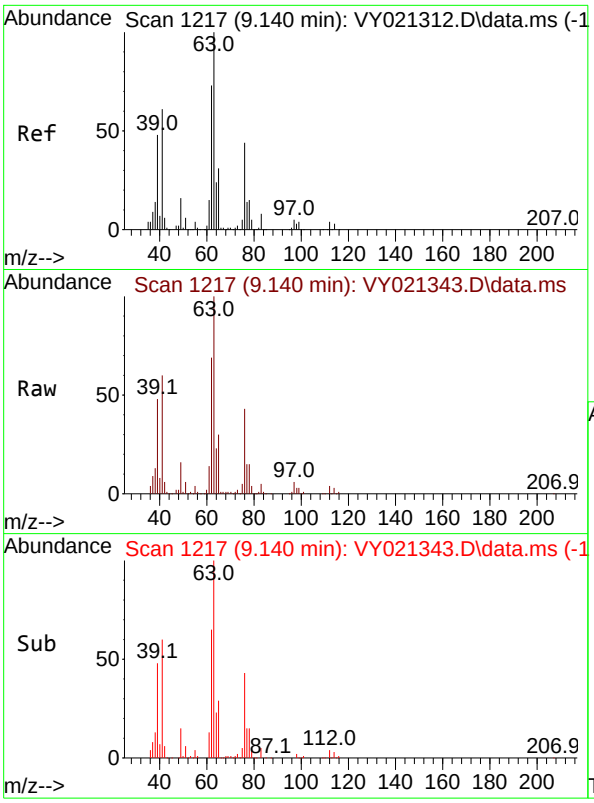


#44
Trichloroethene
Concen: 54.054 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:130 Resp: 87915

Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	196.0

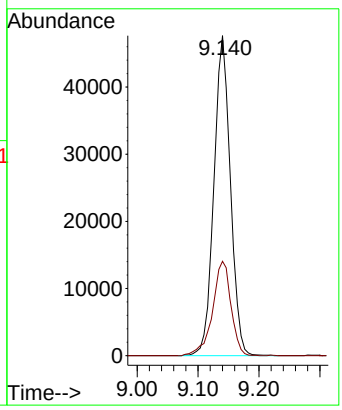




#45
1,2-Dichloropropane
Concen: 57.336 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 63 Resp: 8963

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
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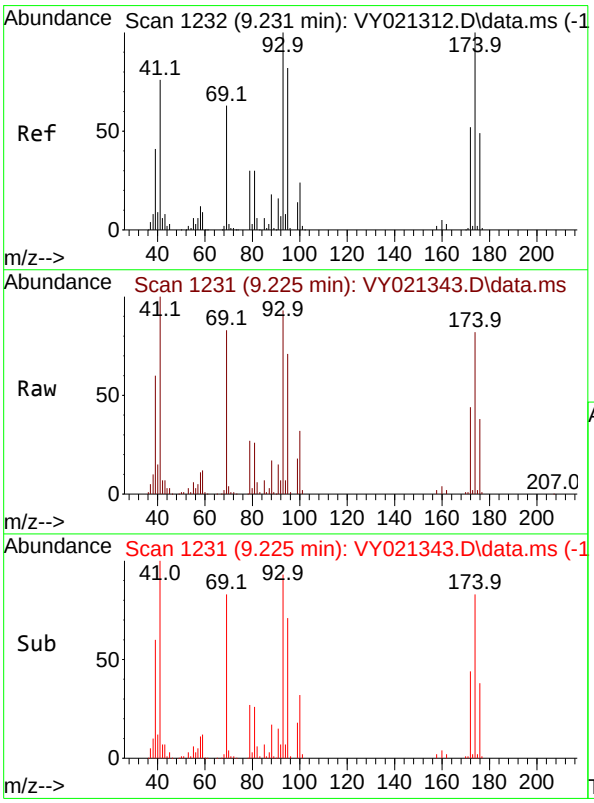
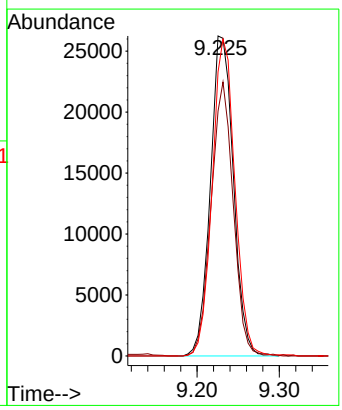
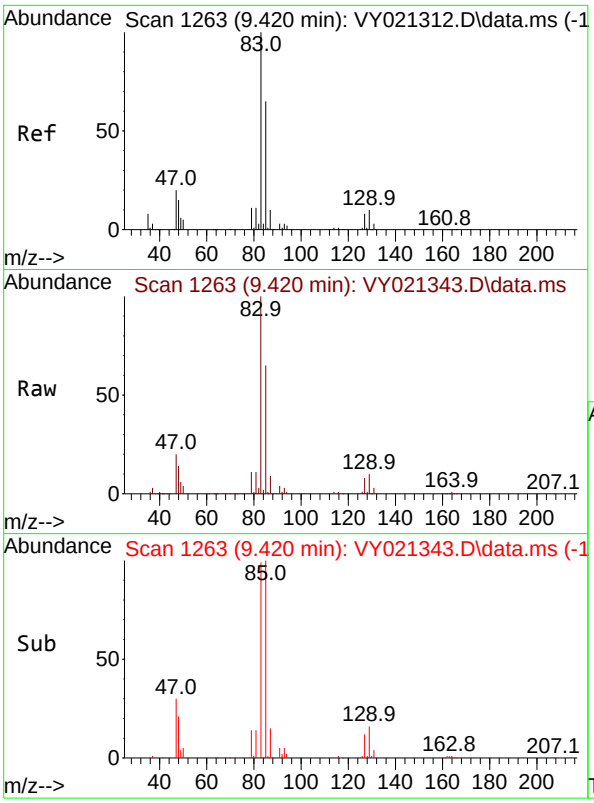


#46
Dibromomethane
Concen: 59.869 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 93 Resp: 51162

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.4	99.6
174	97.6	78.2	117.2

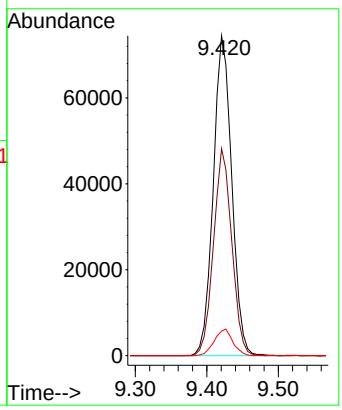




#47
Bromodichloromethane
Concen: 58.623 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 83 Resp: 13357

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	7.6	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
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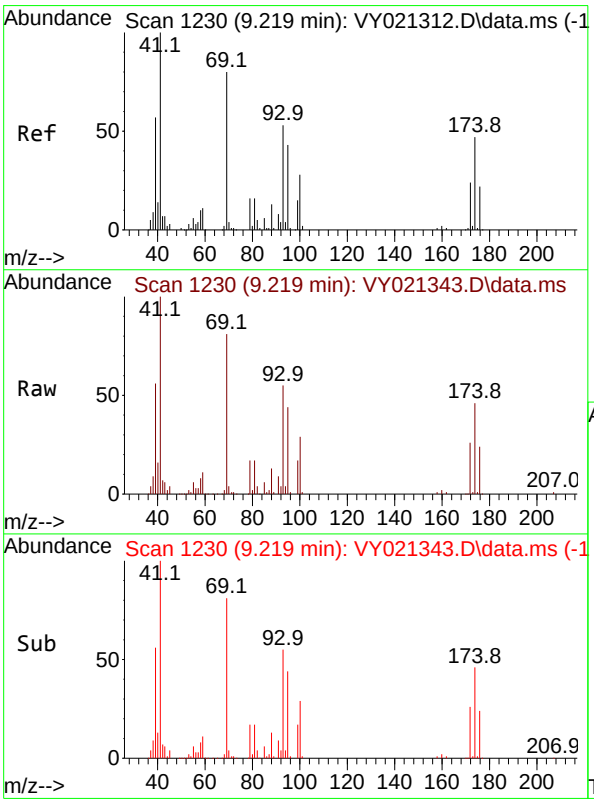
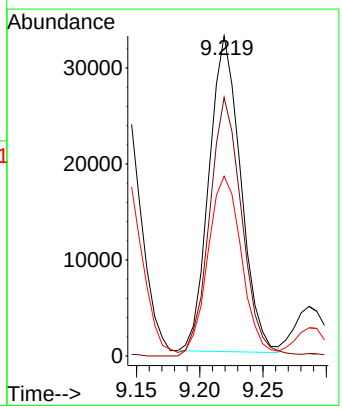
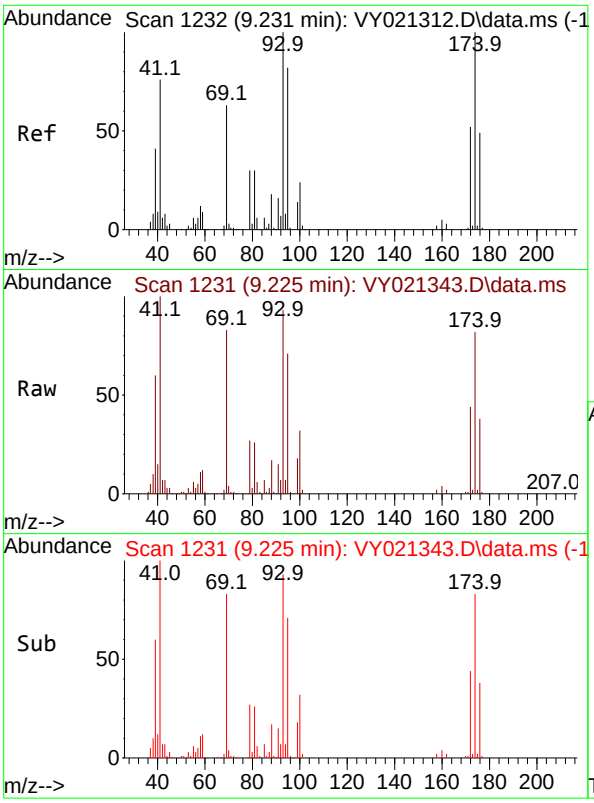


#48
Methyl methacrylate
Concen: 57.838 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 41 Resp: 57228

Ion	Ratio	Lower	Upper
41	100		
69	83.4	63.3	94.9
39	60.5	45.0	67.6





#49
1,4-Dioxane
Concen: 1173.970 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 88 Resp: 1115

Ion	Ratio	Lower	Upper
88	100		
43	35.8	34.8	52.2
58	65.7	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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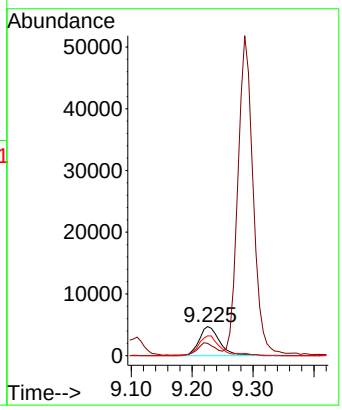
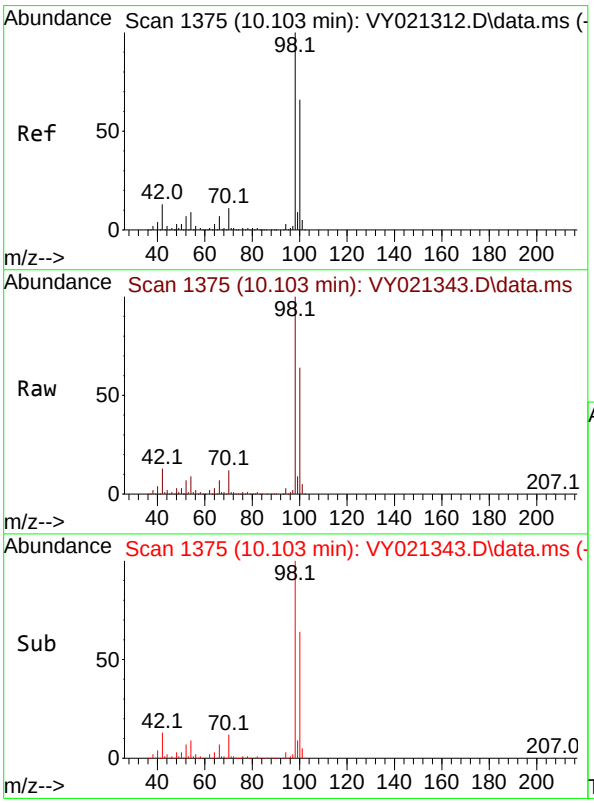
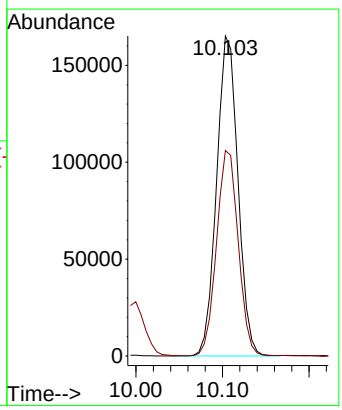


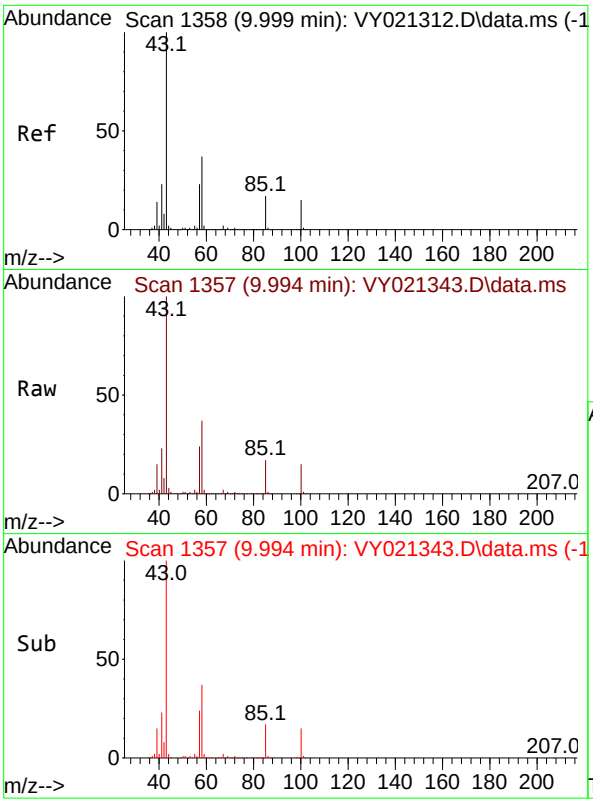


#50
Toluene-d8
Concen: 50.054 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 98 Resp: 283014

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6

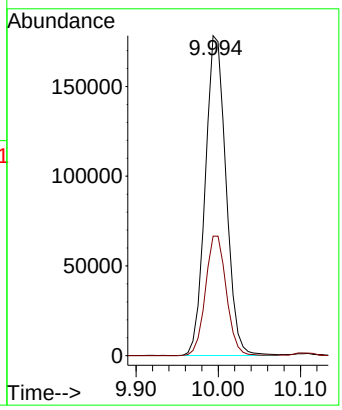




#51
4-Methyl-2-Pentanone
Concen: 288.673 ug/l
RT: 9.994 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 31266

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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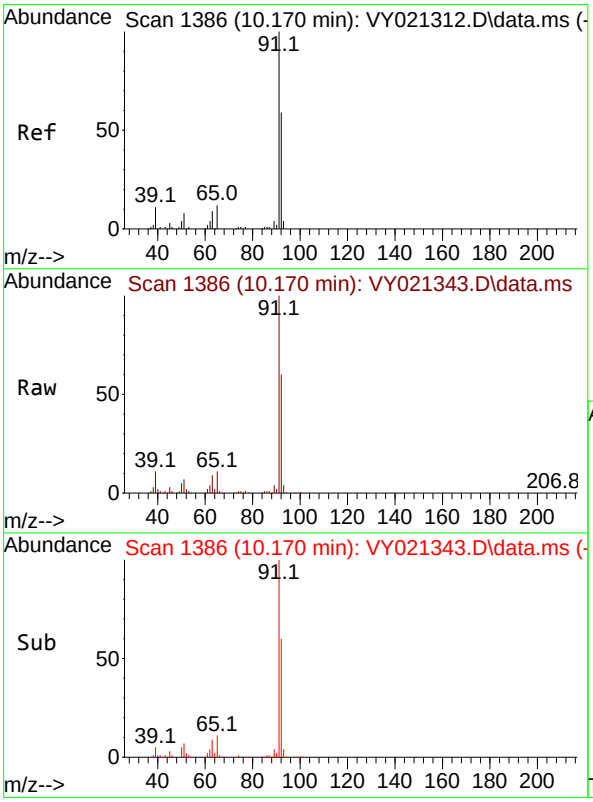
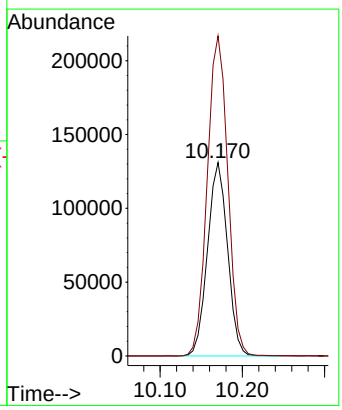
Supervised By :Mahesh Dadoda 02/27/2025

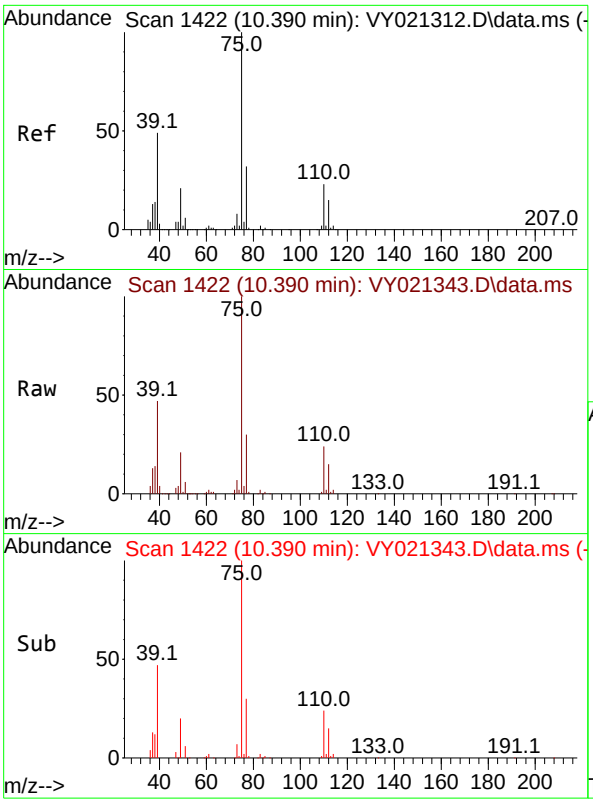


#52
Toluene
Concen: 54.864 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 92 Resp: 221413

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.8	206.8





#53
t-1,3-Dichloropropene
Concen: 55.924 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 11674

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.3	37.9

Instrument :
MSVOA_Y
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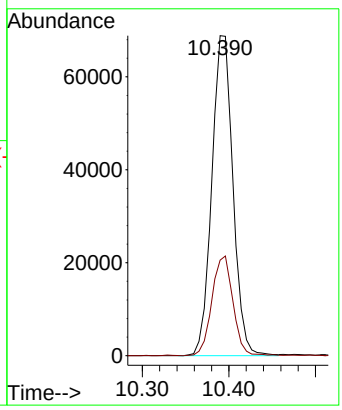
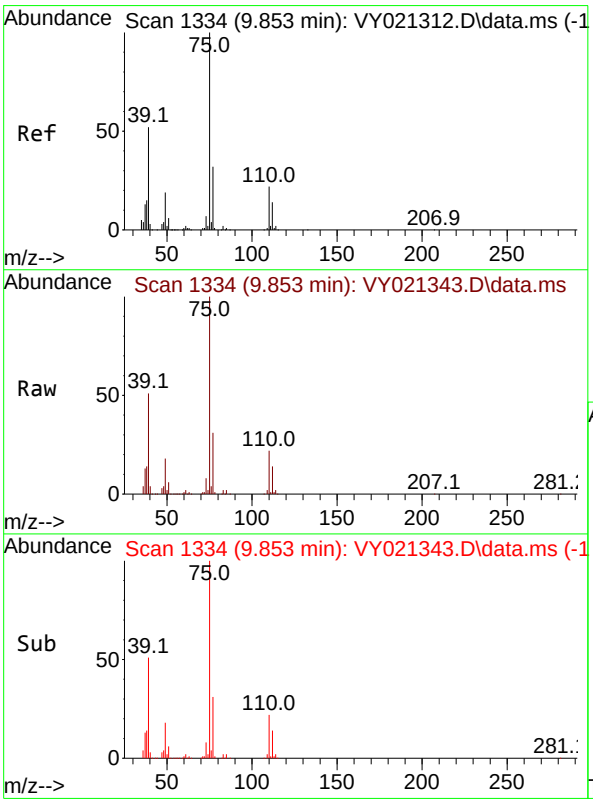
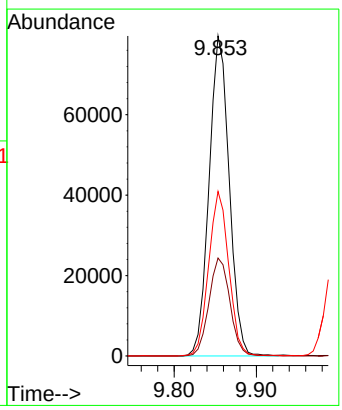


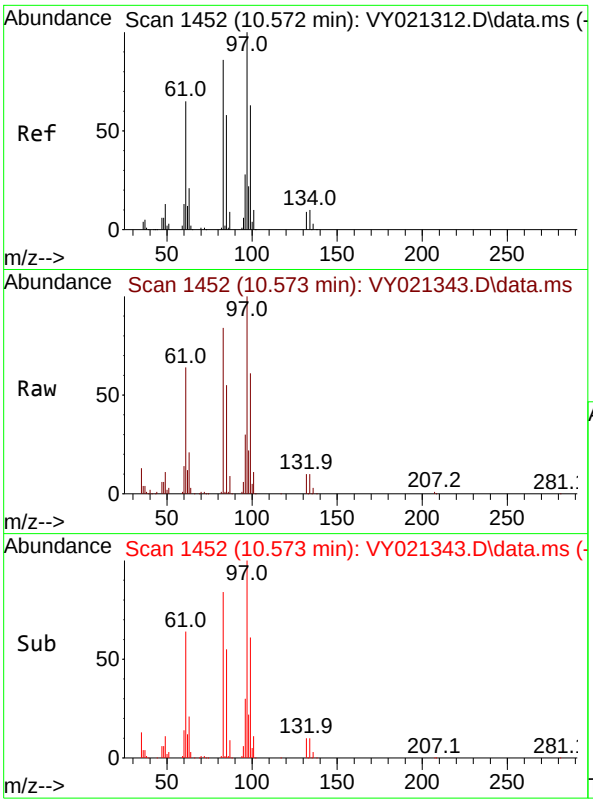


#54
cis-1,3-Dichloropropene
Concen: 54.941 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 135402

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.7	38.5
39	51.4	41.8	62.6

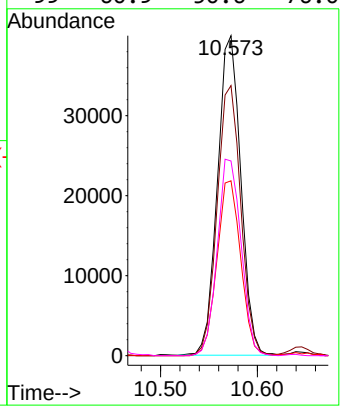




#55
1,1,2-Trichloroethane
Concen: 60.042 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 97 Resp: 6684

Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.7	103.1
85	54.7	46.3	69.5
99	60.9	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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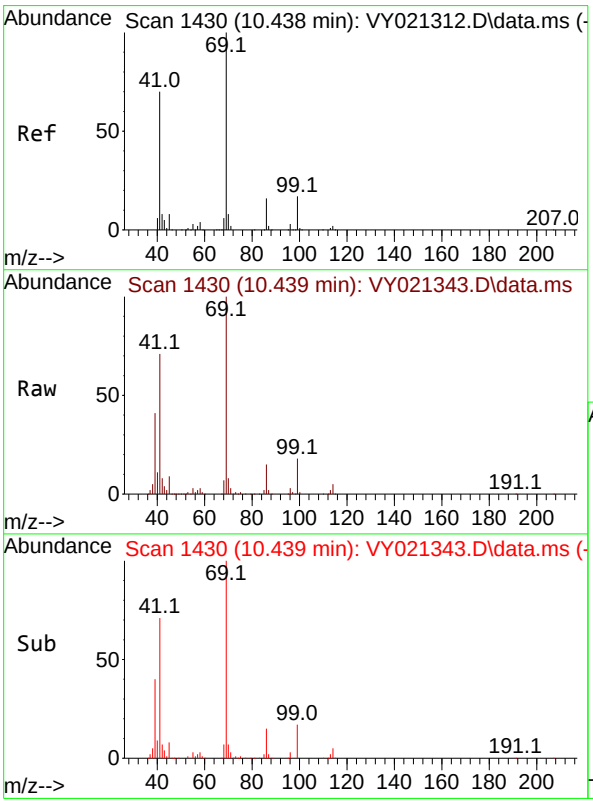
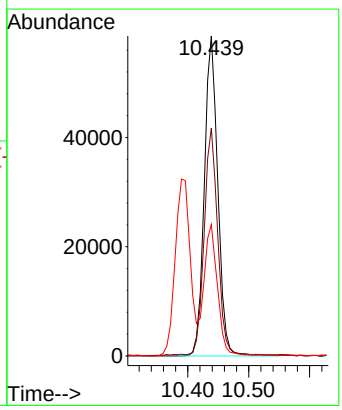
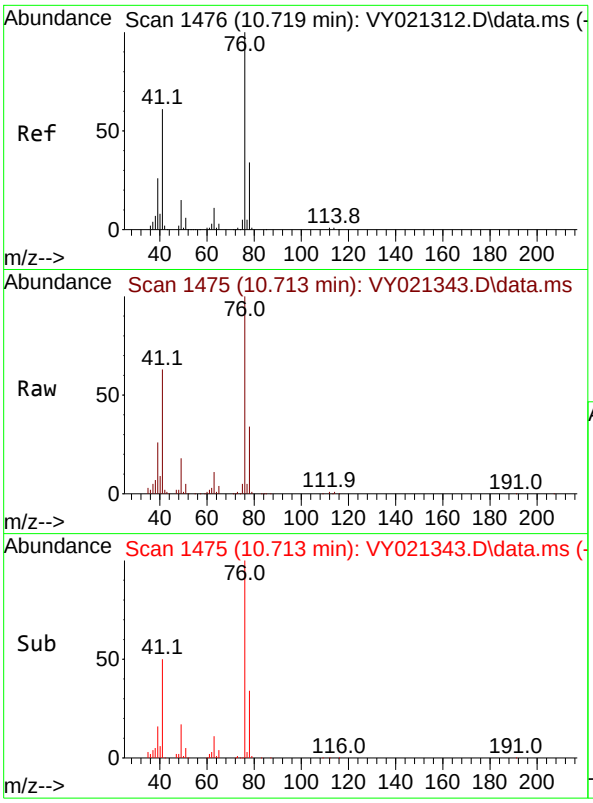


#56
Ethyl methacrylate
Concen: 58.621 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 69 Resp: 90173

Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.2	84.4
39	40.8	32.7	49.1





#57
1,3-Dichloropropane
Concen: 59.579 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 76 Resp: 11638

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
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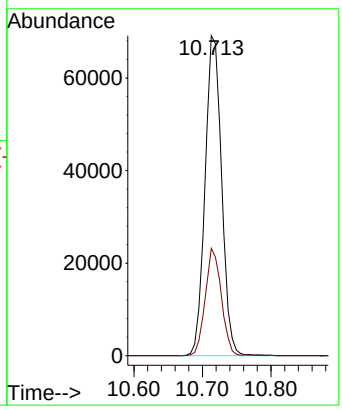
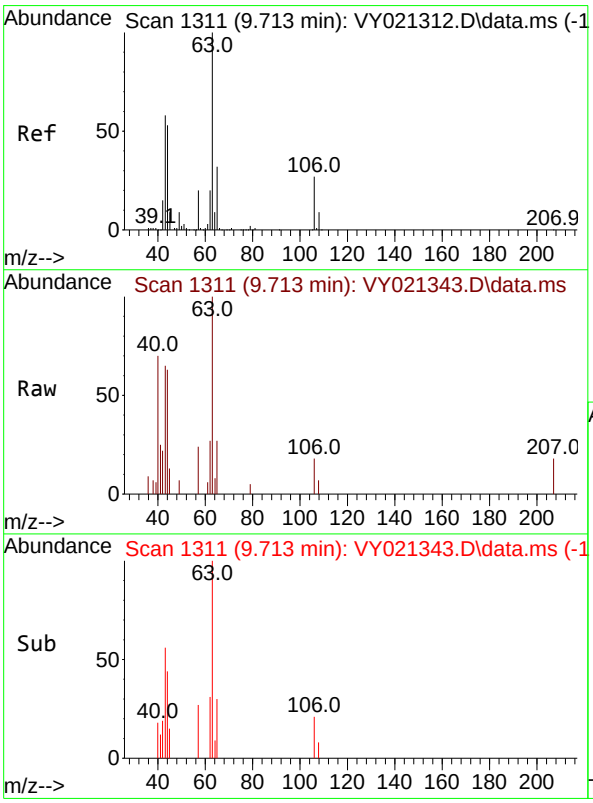
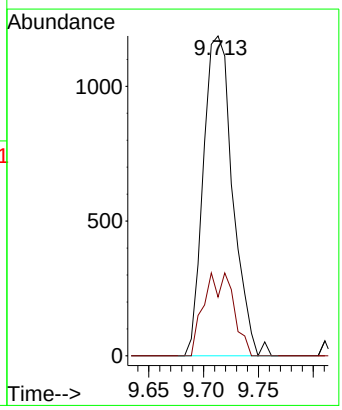


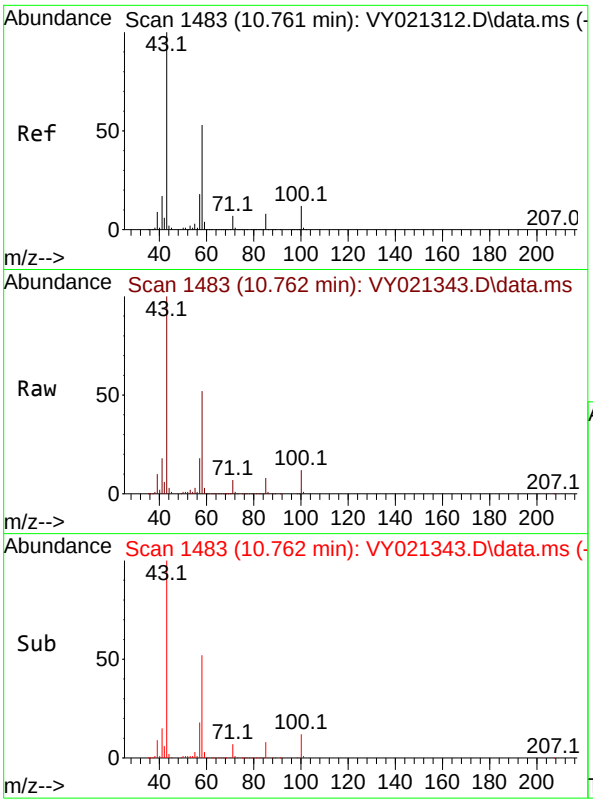


#58
2-Chloroethyl Vinyl ether
Concen: 2.999 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 63 Resp: 2214

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.7	32.5





#59
2-Hexanone
Concen: 286.754 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 20397

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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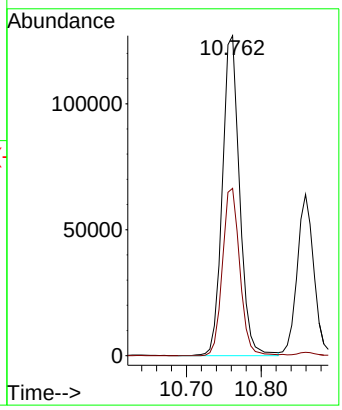
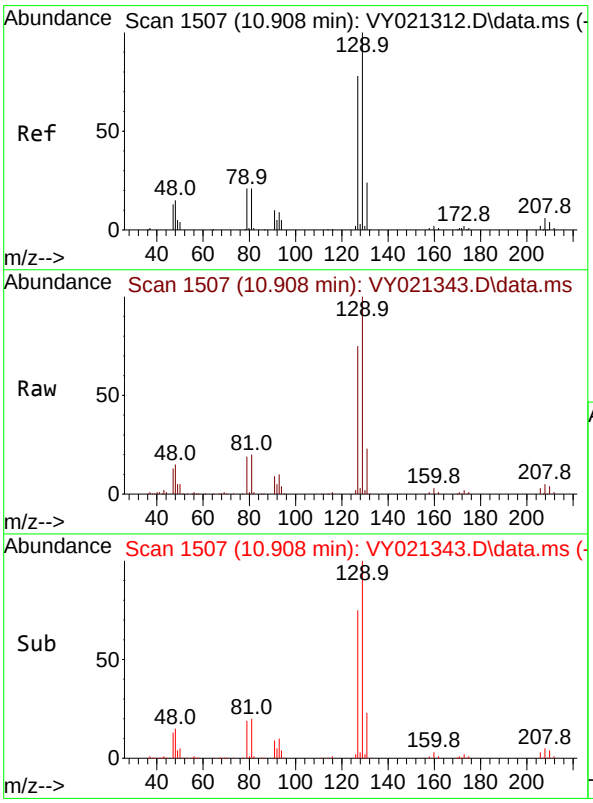
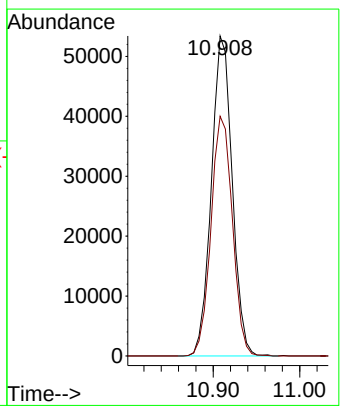


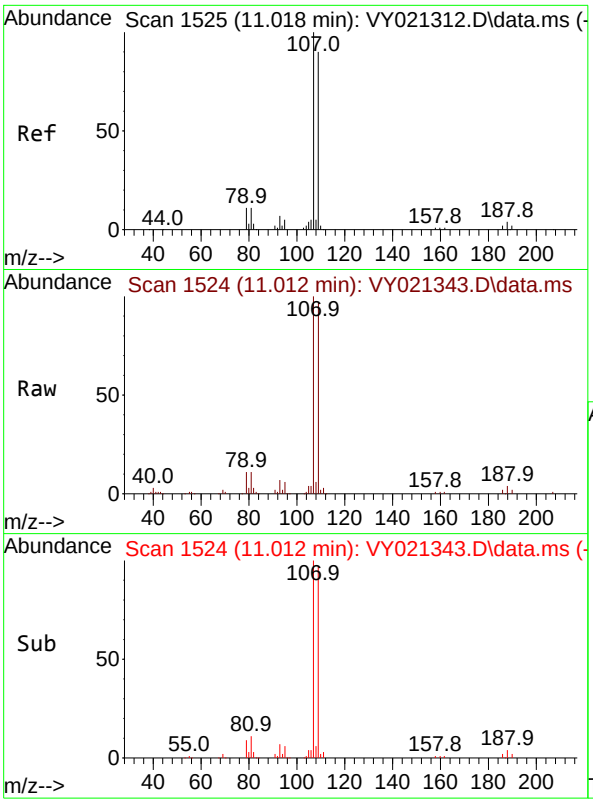


#60
Dibromochloromethane
Concen: 58.817 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:129 Resp: 89178

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.8	116.4





#61
1,2-Dibromoethane
Concen: 58.408 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:107 Resp: 6155

Ion	Ratio	Lower	Upper
107	100		
109	96.6	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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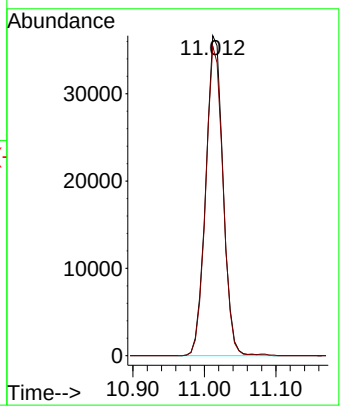
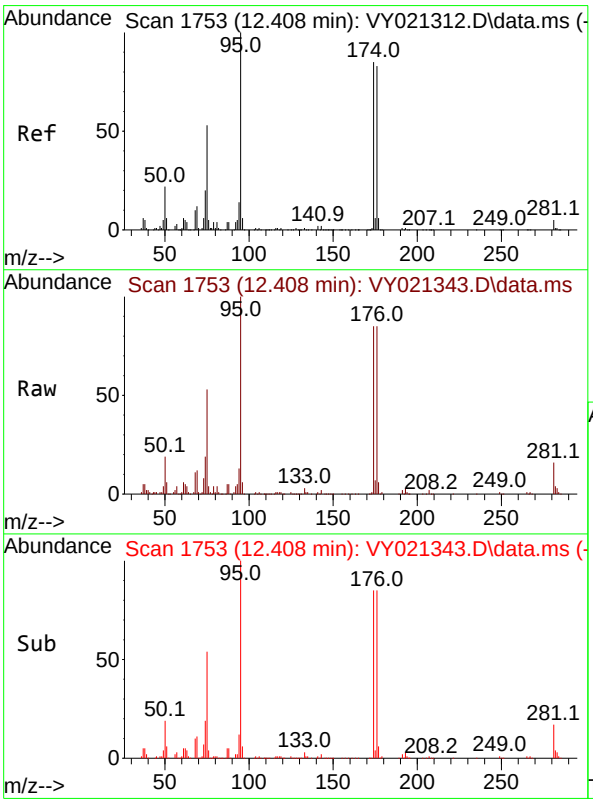
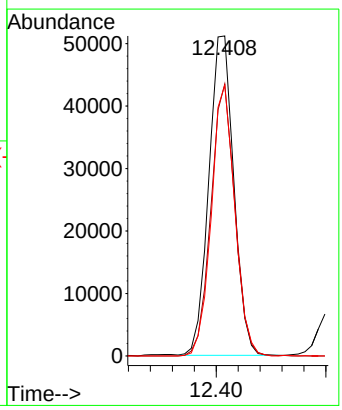


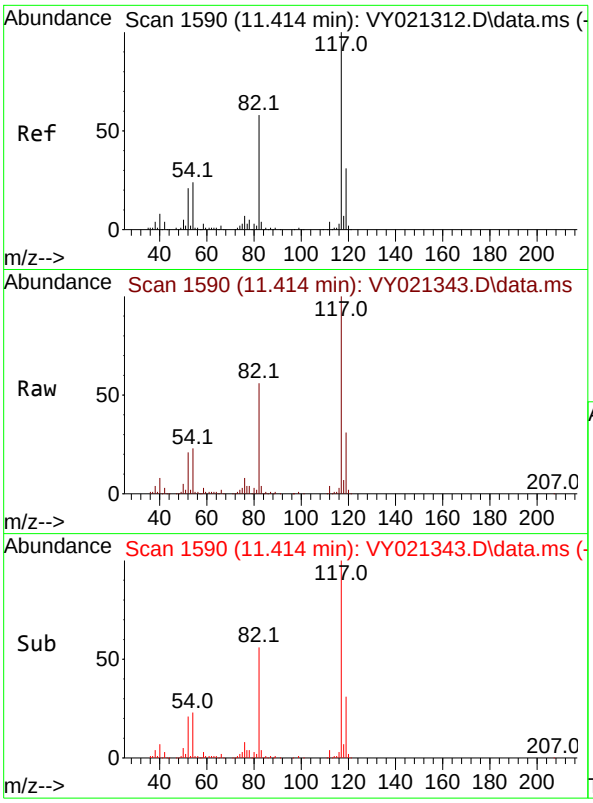


#62
4-Bromofluorobenzene
Concen: 42.399 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 95 Resp: 80680

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	168.0
176	79.9	0.0	162.6

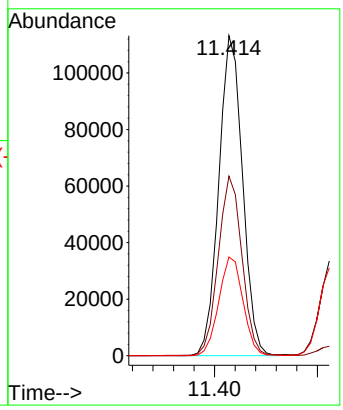




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:117 Resp: 18105

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.2	69.4
119	30.8	24.9	37.3



Instrument :
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ClientSampleId :
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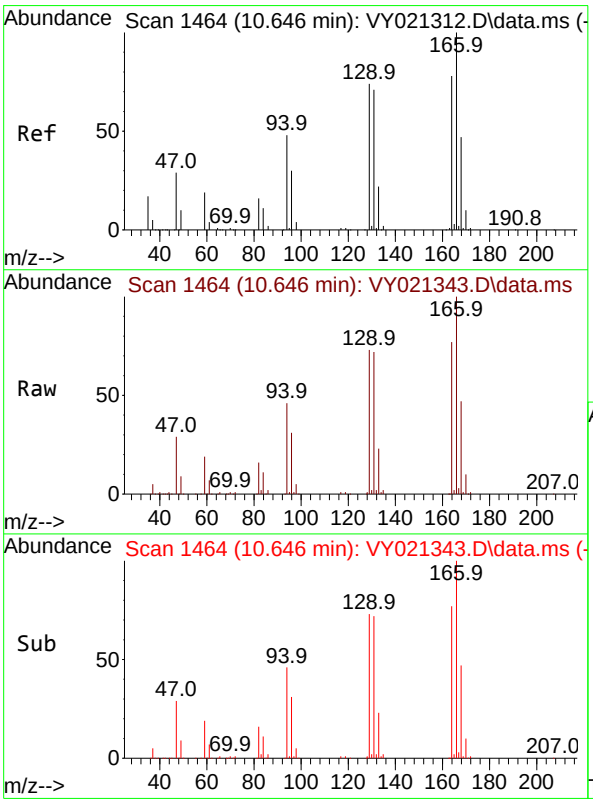
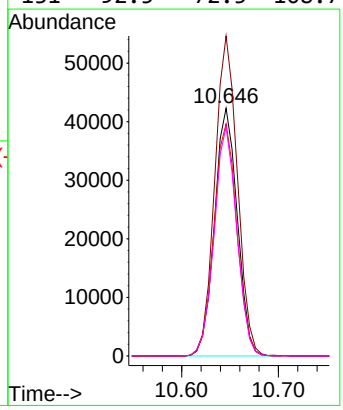
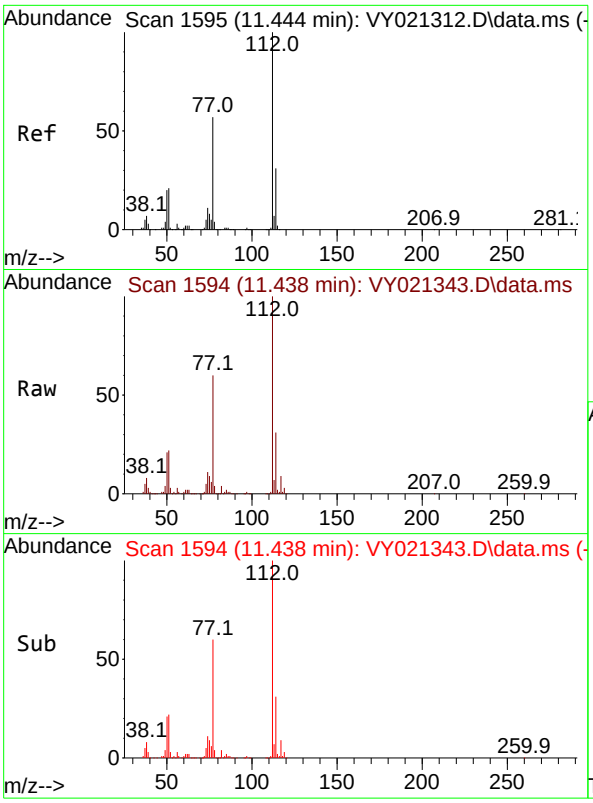


#64
Tetrachloroethene
Concen: 50.502 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:164 Resp: 69112

Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.9	152.9
129	93.7	75.5	113.3
131	92.5	72.5	108.7

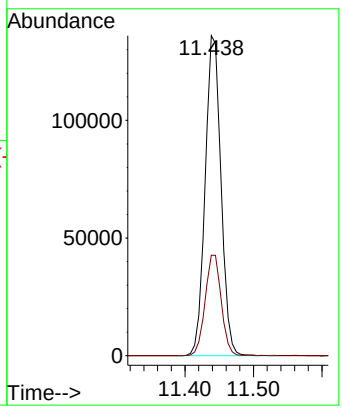




#65
Chlorobenzene
Concen: 53.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:112 Resp: 21880

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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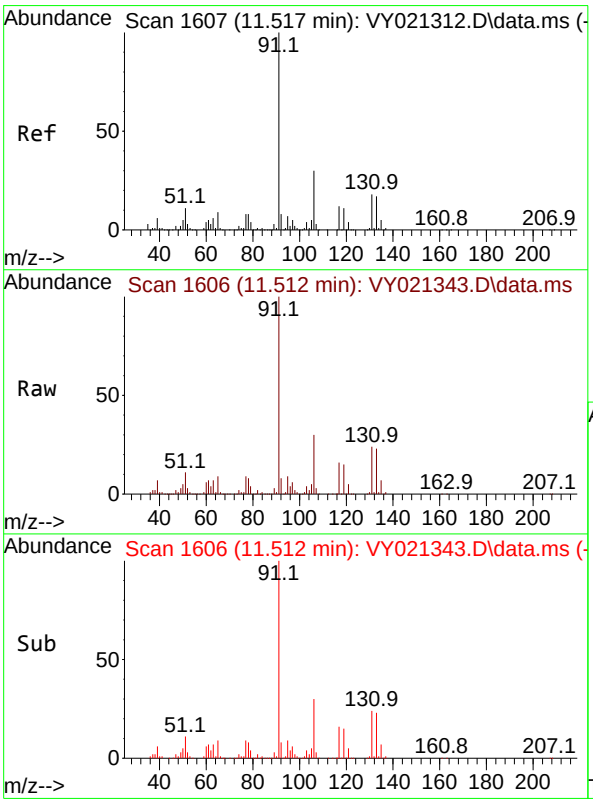
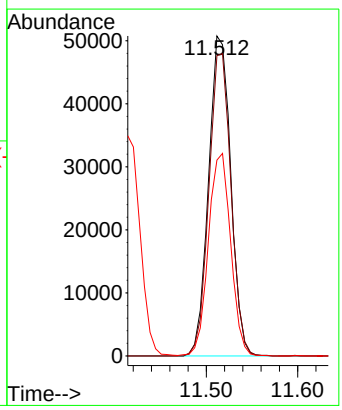
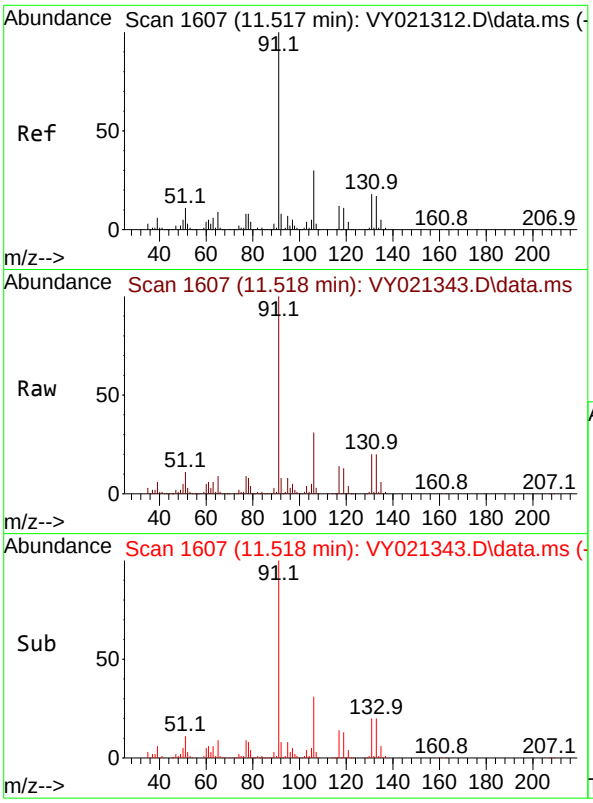


#66
1,1,1,2-Tetrachloroethane
Concen: 60.072 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:131 Resp: 85488

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.9	143.6
119	63.7	31.7	95.1

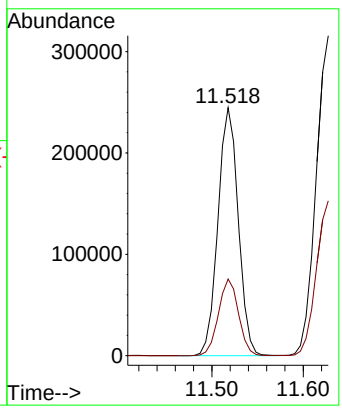




#67
Ethyl Benzene
Concen: 52.490 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 91 Resp: 37787

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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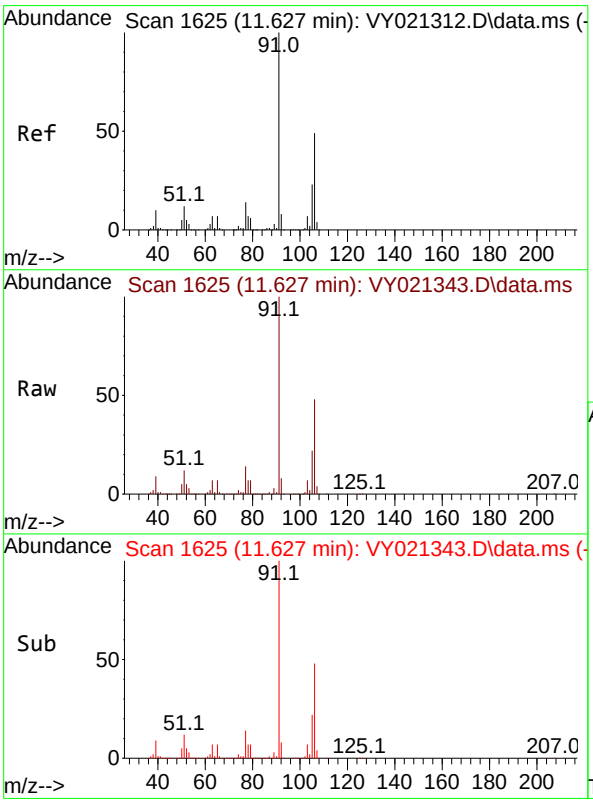
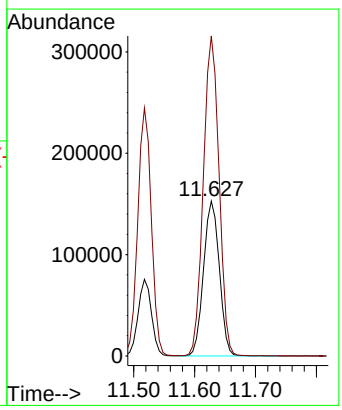
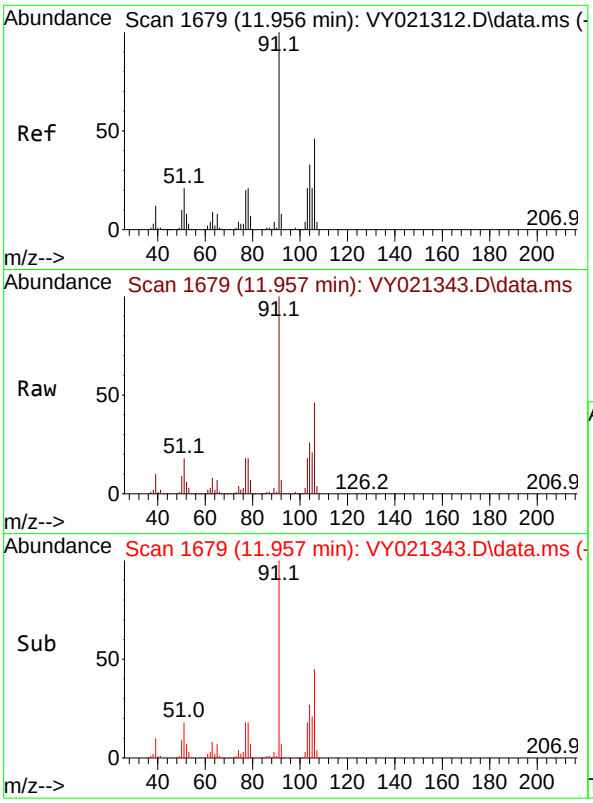


#68
m/p-Xylenes
Concen: 101.683 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:106 Resp: 275336

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.9	245.9

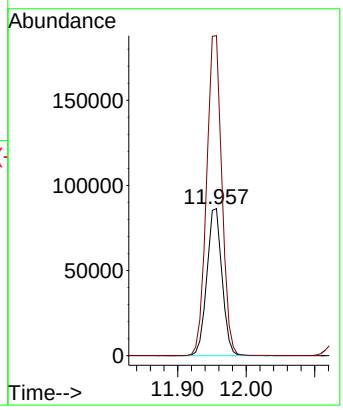




#69
o-Xylene
Concen: 52.462 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:106 Resp: 13307

Ion	Ratio	Lower	Upper
106	100		
91	219.5	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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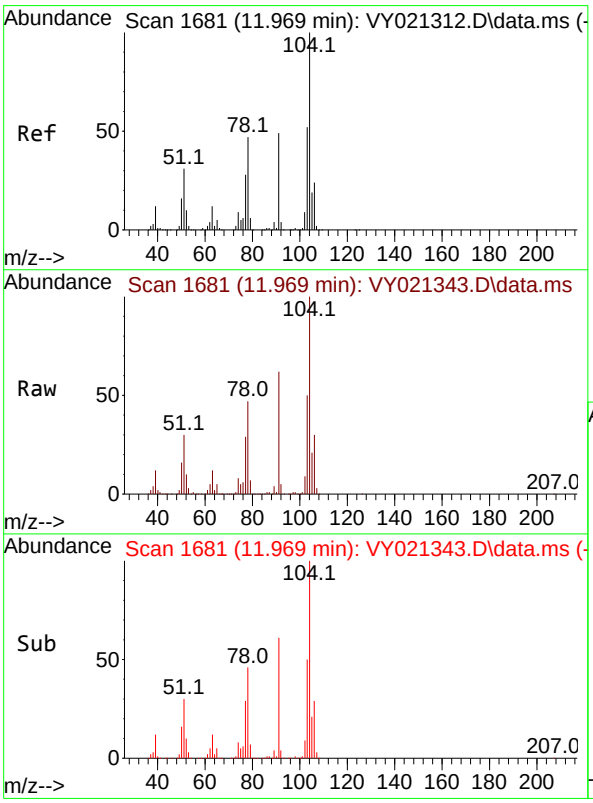
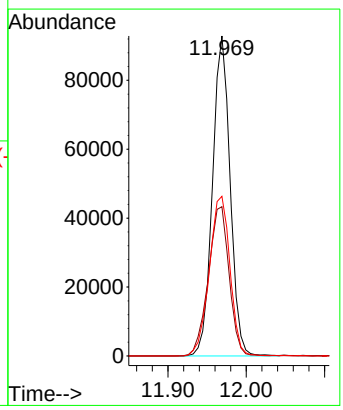
Supervised By :Mahesh Dadoda 02/27/2025

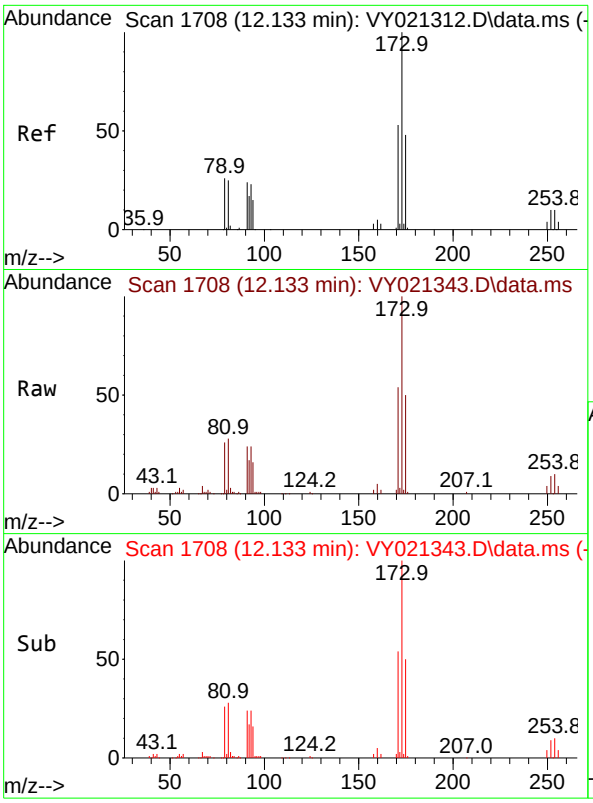


#70
Styrene
Concen: 34.461 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:104 Resp: 145442

Ion	Ratio	Lower	Upper
104	100		
78	55.0	41.3	61.9
103	58.5	43.9	65.9

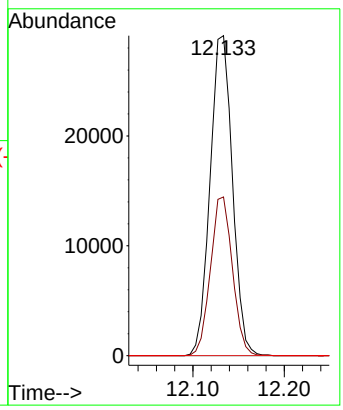




#71
Bromoform
Concen: 60.778 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:173 Resp: 4948

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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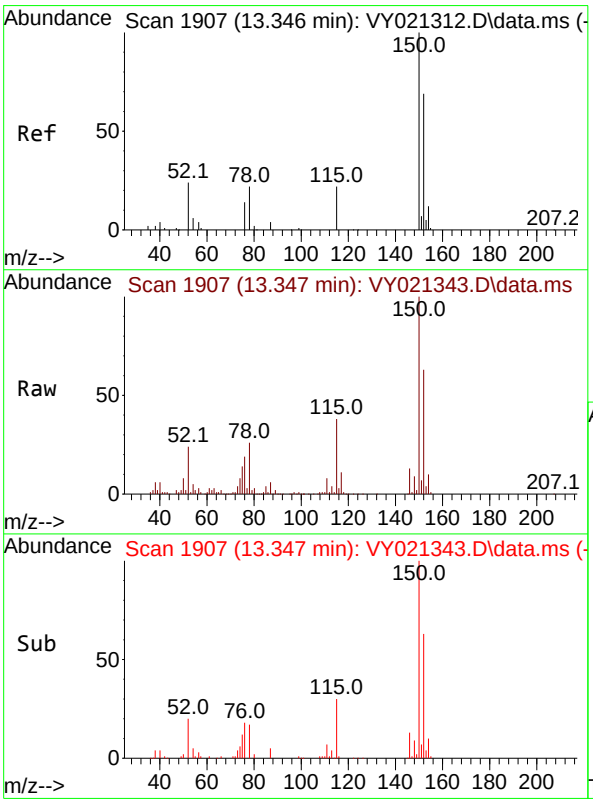
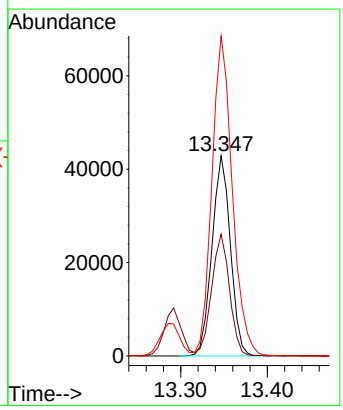
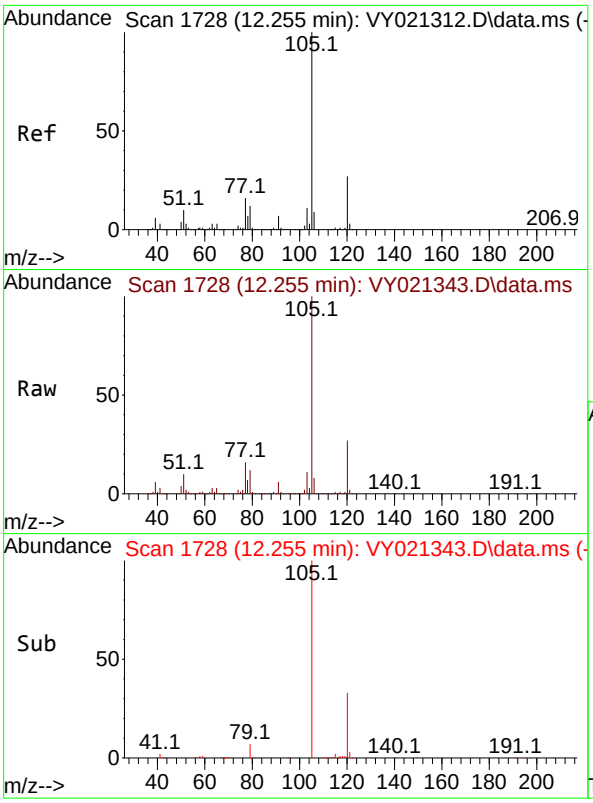


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:152 Resp: 63404

Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.3	88.0
150	177.1	0.0	347.4

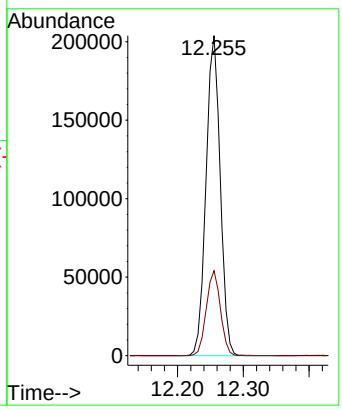




#73
Isopropylbenzene
Concen: 64.183 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:105 Resp: 30594

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
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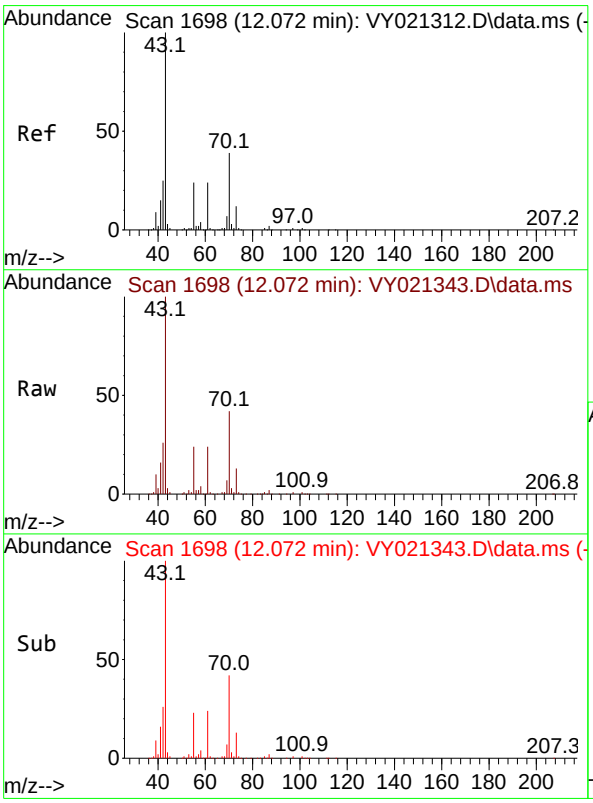
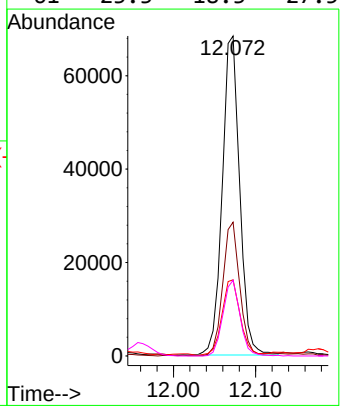
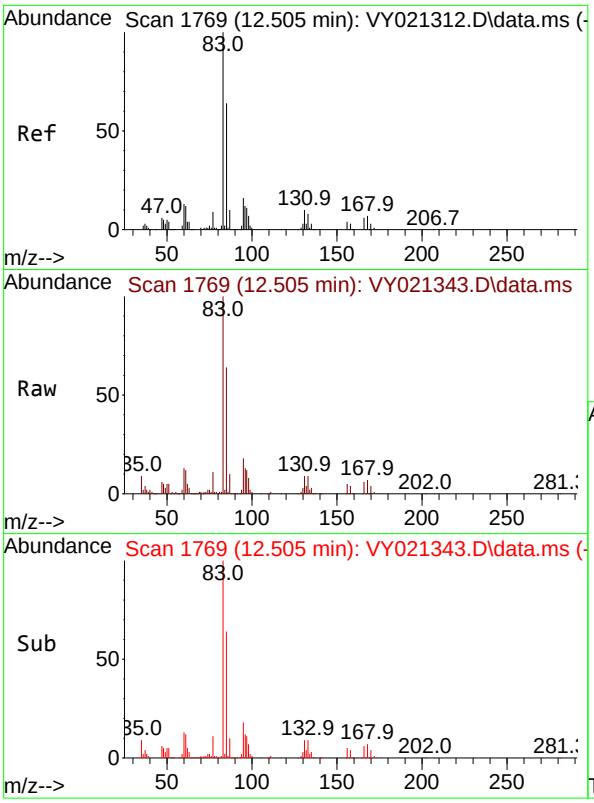


#74
N-amyl acetate
Concen: 83.194 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 100797

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	24.8	19.6	29.4
61	23.3	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 84.177 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 83 Resp: 7081

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.6	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
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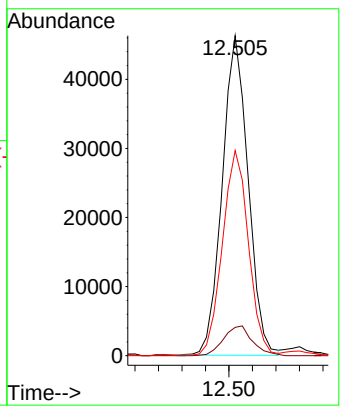
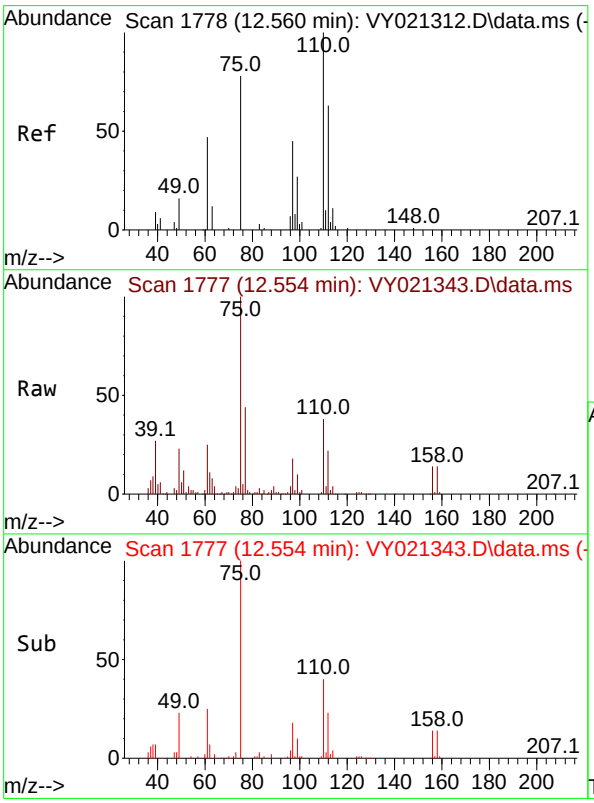
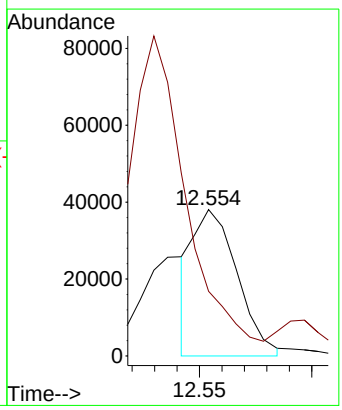


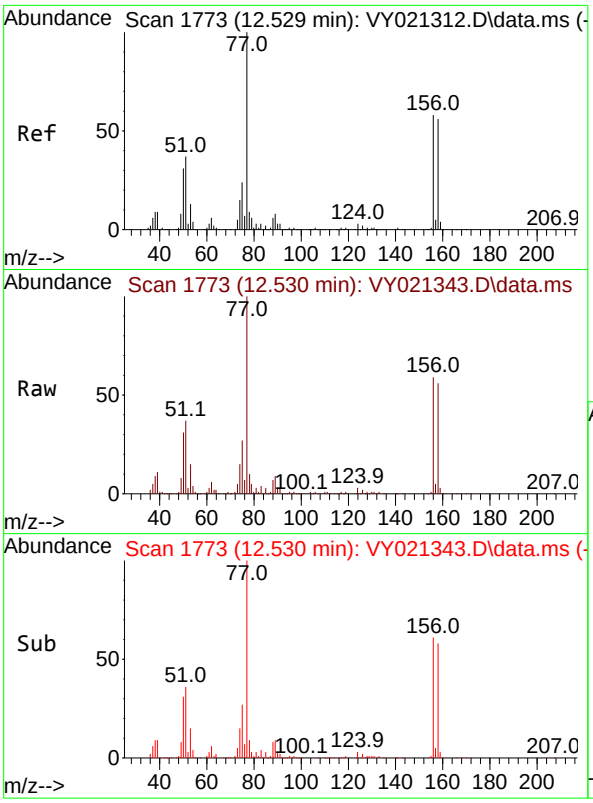


#76
1,2,3-Trichloropropane
Concen: 82.614 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 52430

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

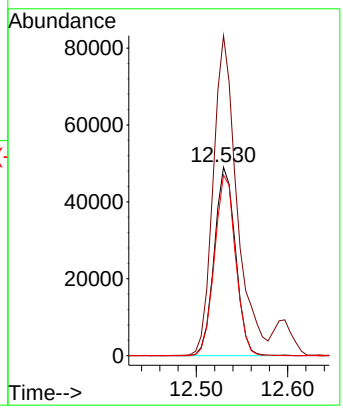




#77
Bromobenzene
Concen: 71.126 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:156 Resp: 7885

Ion	Ratio	Lower	Upper
156	100		
77	190.9	94.0	282.1
158	95.4	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
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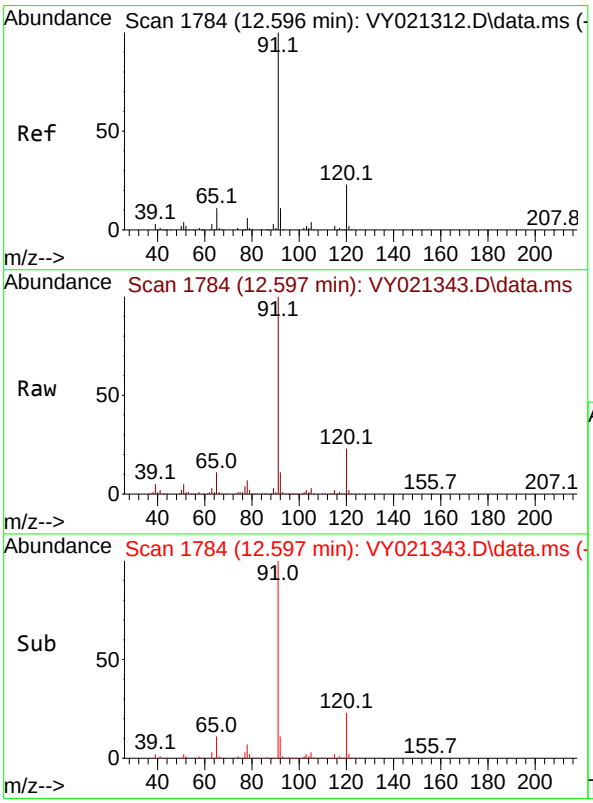
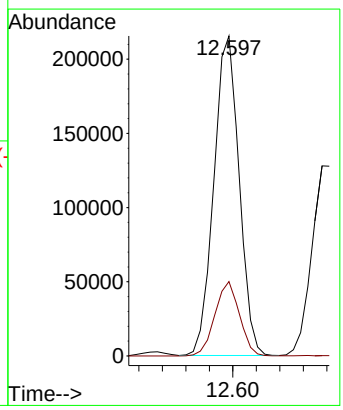
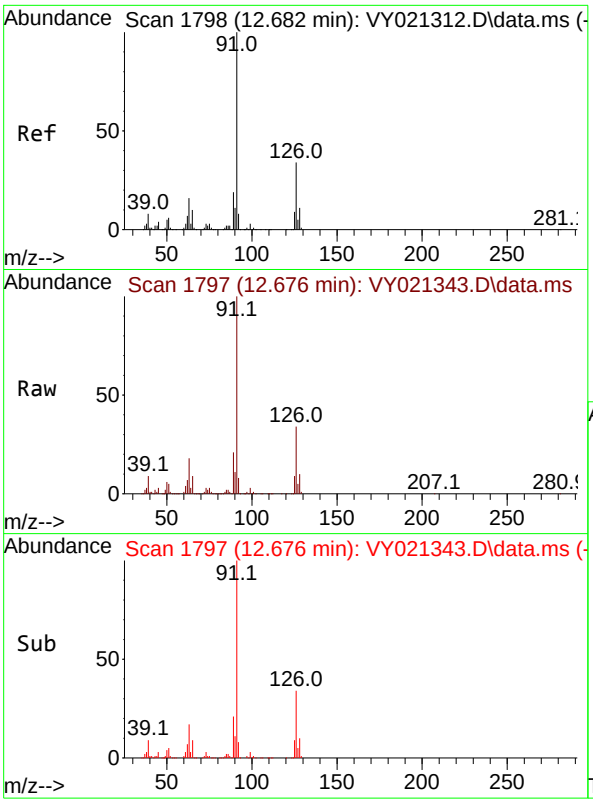


#78
n-propylbenzene
Concen: 55.599 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 91 Resp: 321596

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5





#79
2-Chlorotoluene
Concen: 61.485 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 91 Resp: 20410

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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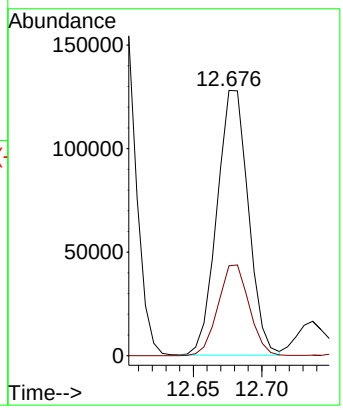
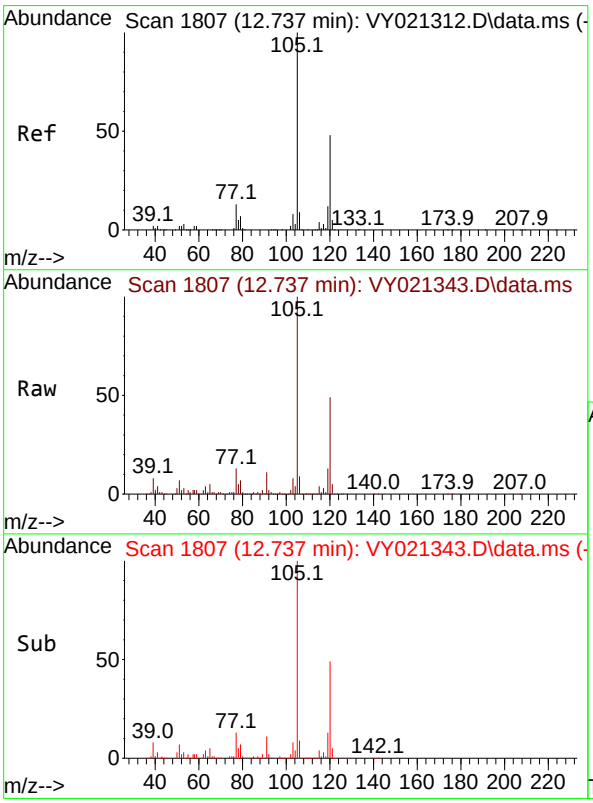
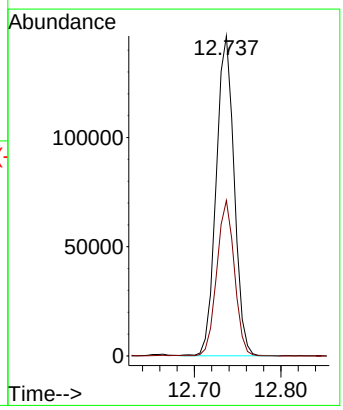


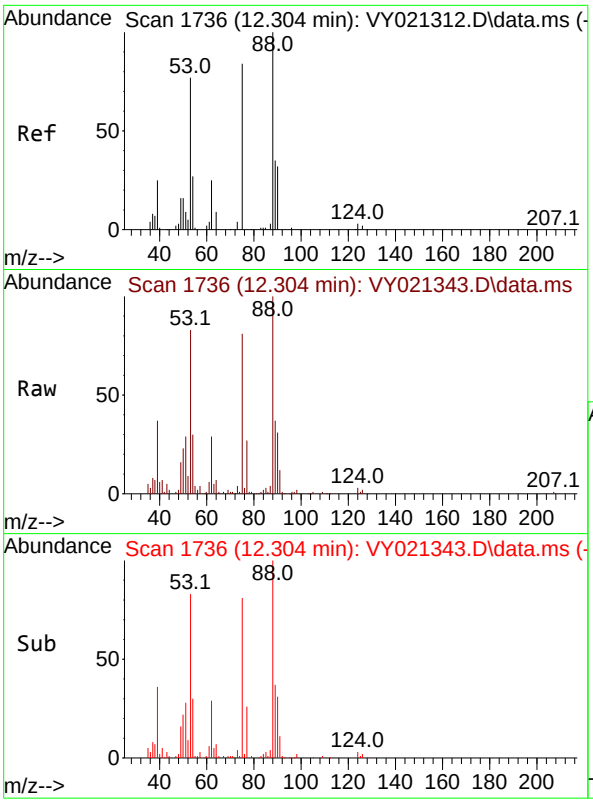


#80
1,3,5-Trimethylbenzene
Concen: 53.862 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:105 Resp: 210571

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 78.190 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 2232

Ion	Ratio	Lower	Upper
75	100		
53	100.9	79.1	118.7
89	46.5	35.6	53.4

Instrument :
MSVOA_Y
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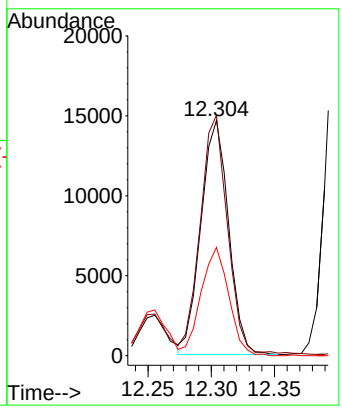
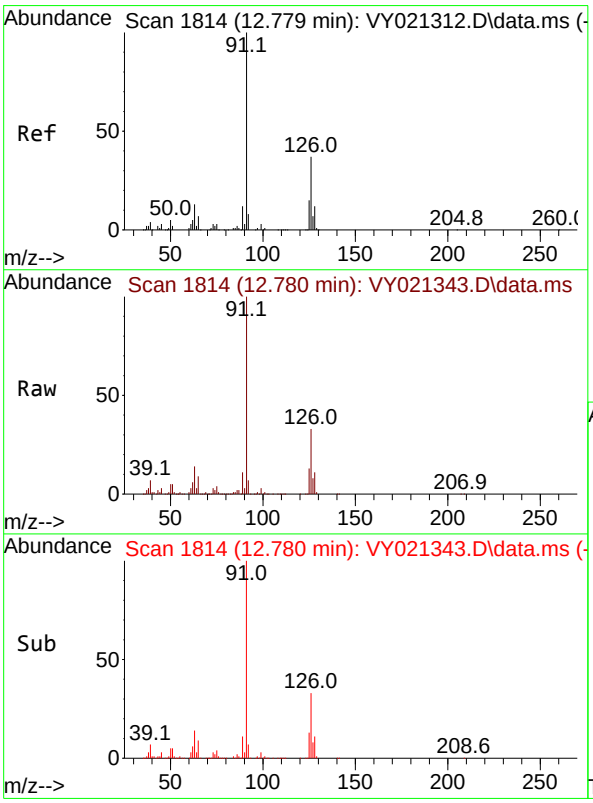
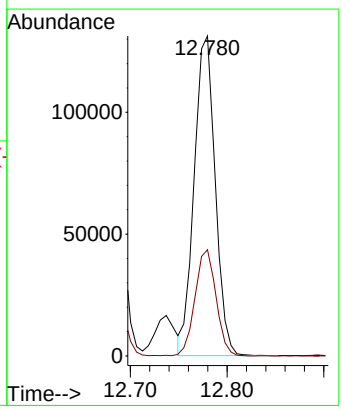


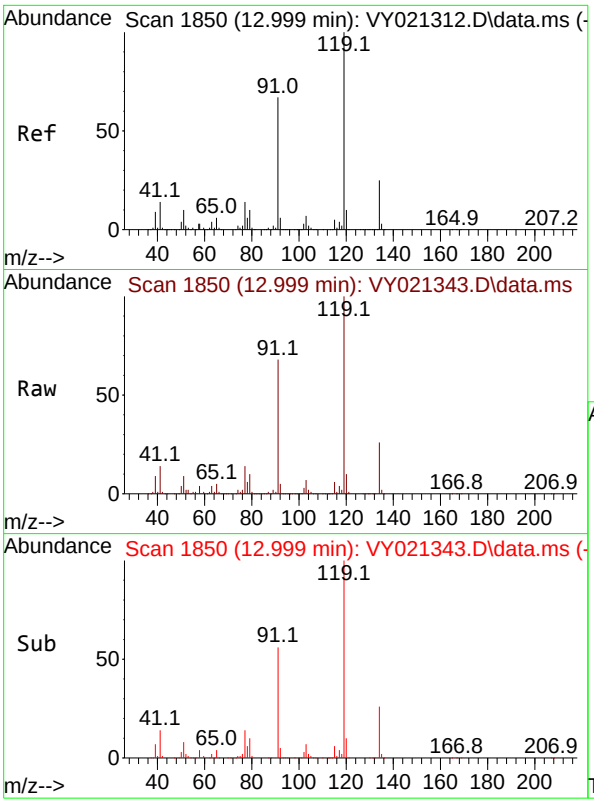


#82
4-Chlorotoluene
Concen: 57.702 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 91 Resp: 198559

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4





#83
tert-Butylbenzene
Concen: 50.529 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:119 Resp: 17844

Ion	Ratio	Lower	Upper
119	100		
91	67.5	32.7	98.1
134	28.2	13.3	39.9

Instrument :
MSVOA_Y
ClientSampleId :
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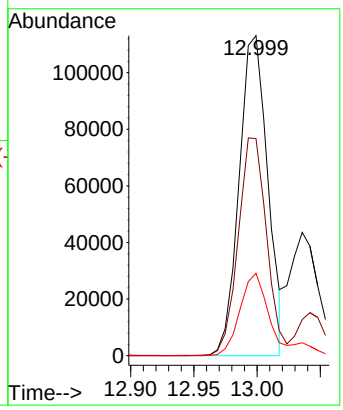
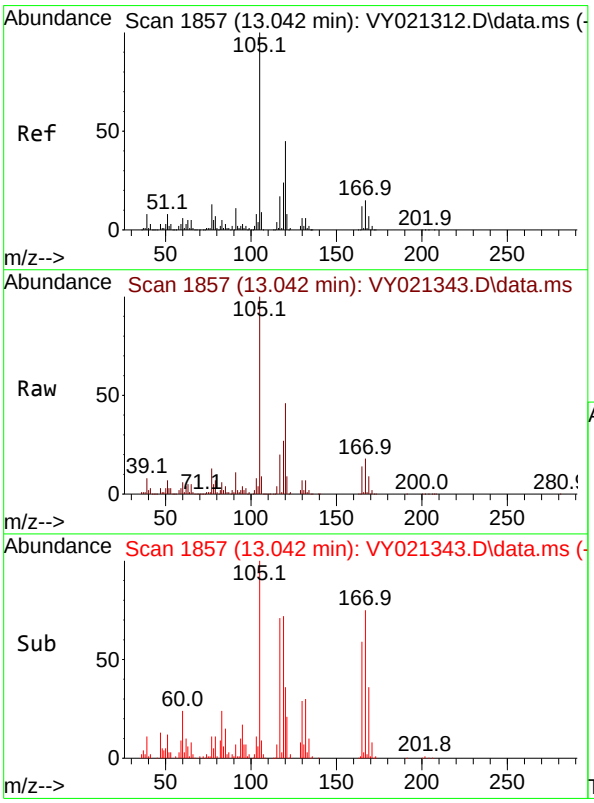
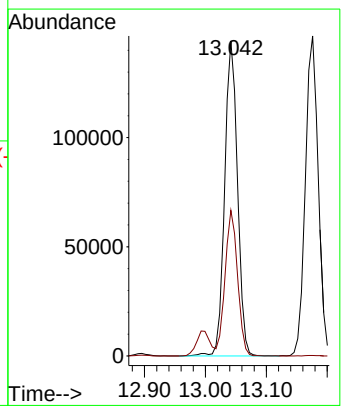


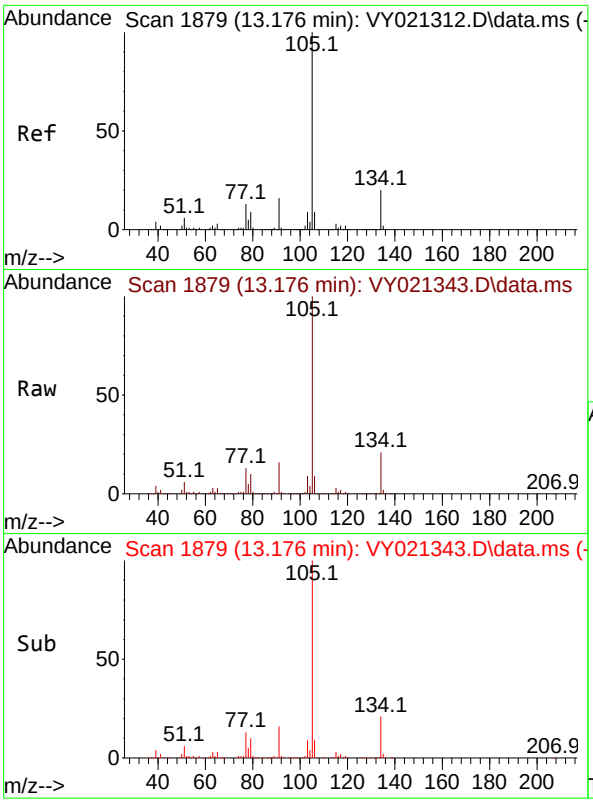


#84
1,2,4-Trimethylbenzene
Concen: 54.235 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:105 Resp: 210873

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3

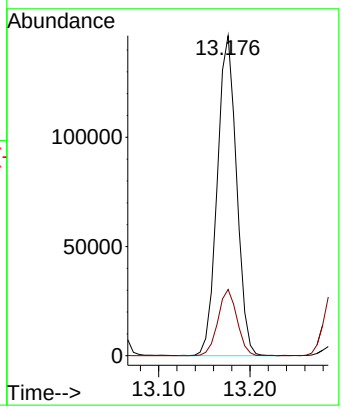




#85
sec-Butylbenzene
Concen: 41.660 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:105 Resp: 21489

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
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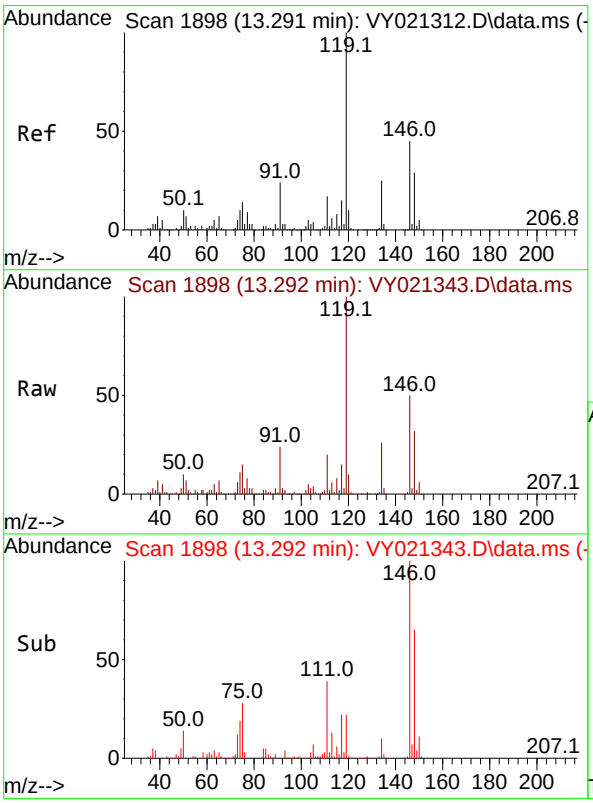
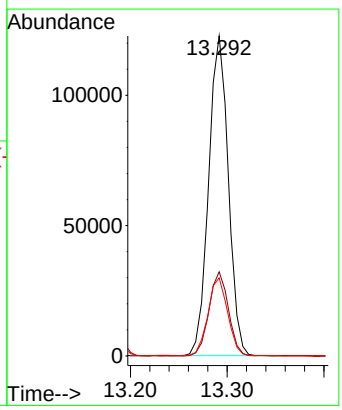
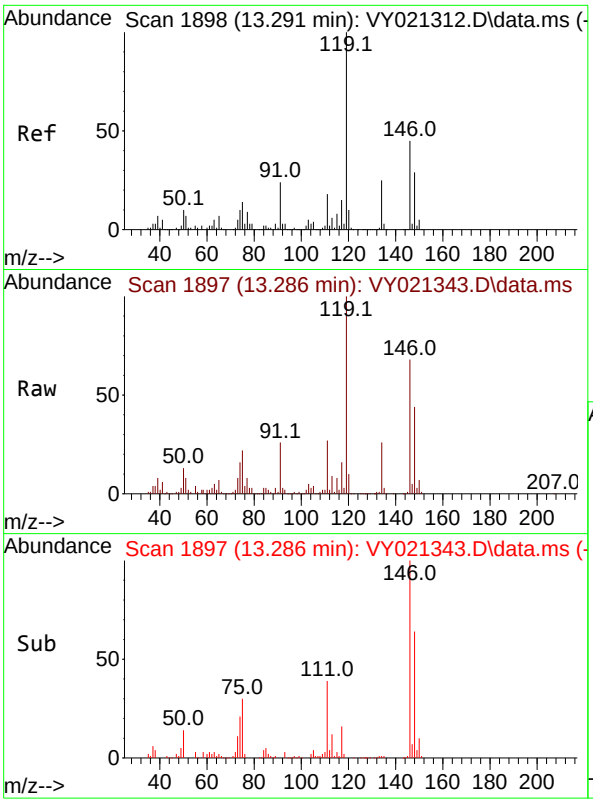


#86
p-Isopropyltoluene
Concen: 40.168 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:119 Resp: 173012

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.4	12.0	36.1

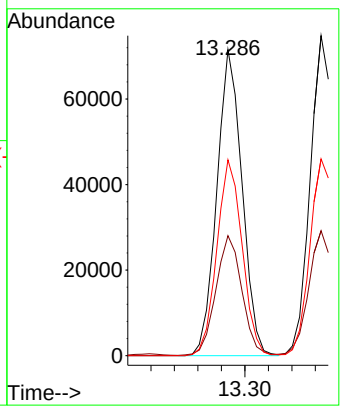




#87
1,3-Dichlorobenzene
Concen: 48.710 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

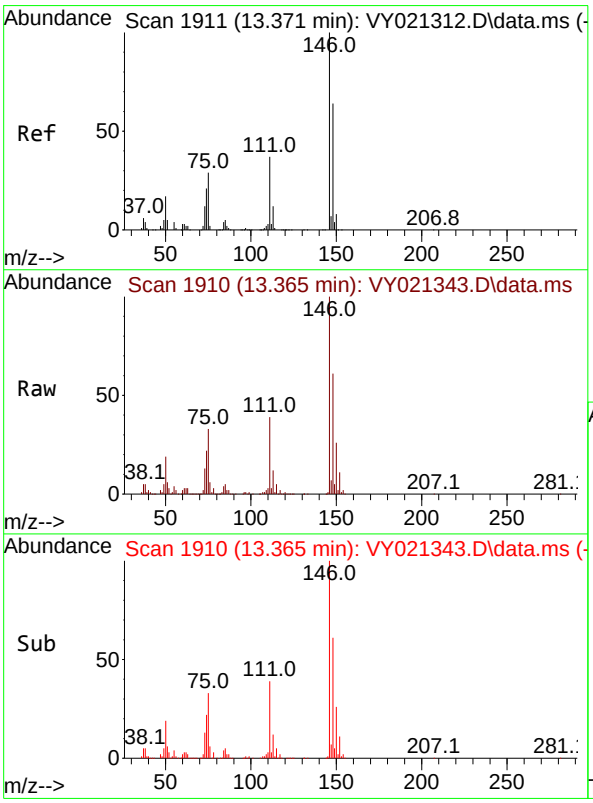
Tgt Ion:146 Resp: 10682

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

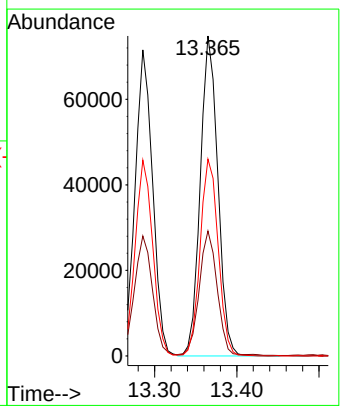
Manual Integrations
APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

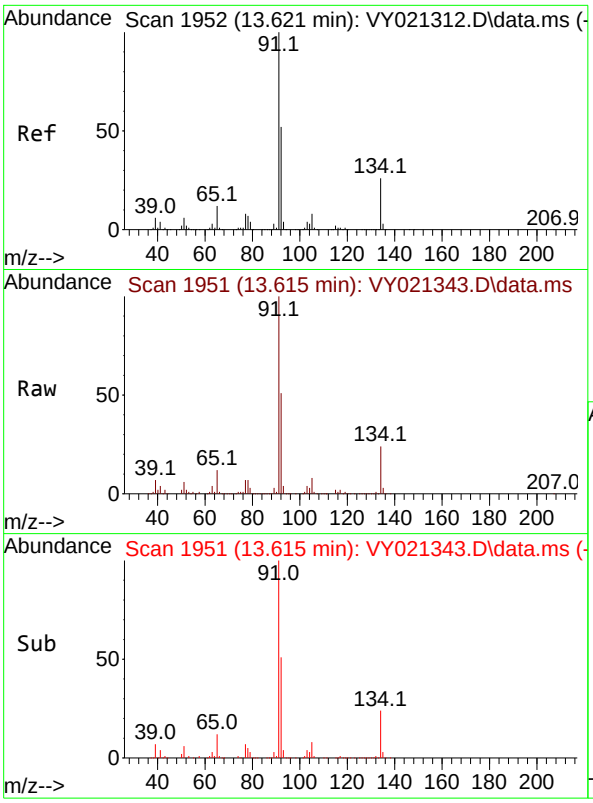


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:146 Resp: 111142

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.0	32.0	96.2

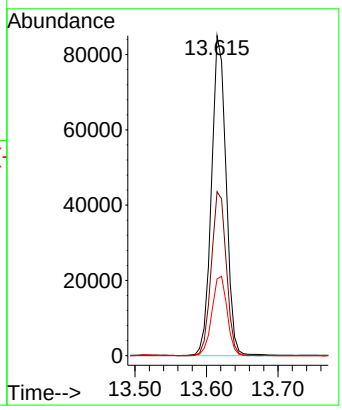




#89
n-Butylbenzene
Concen: 29.734 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 91 Resp: 12052

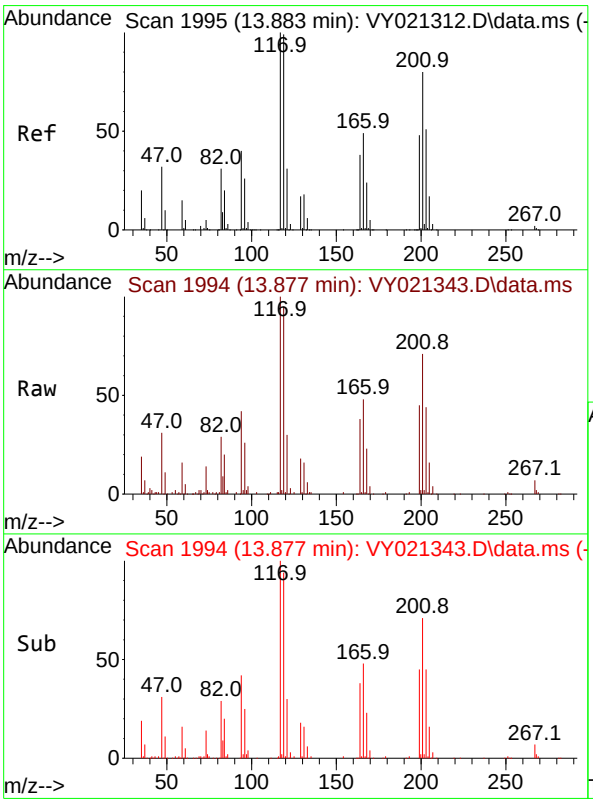
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	25.9	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
APPROVED

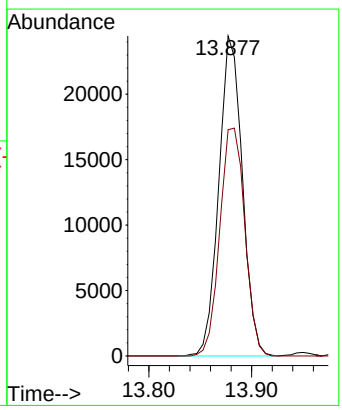
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

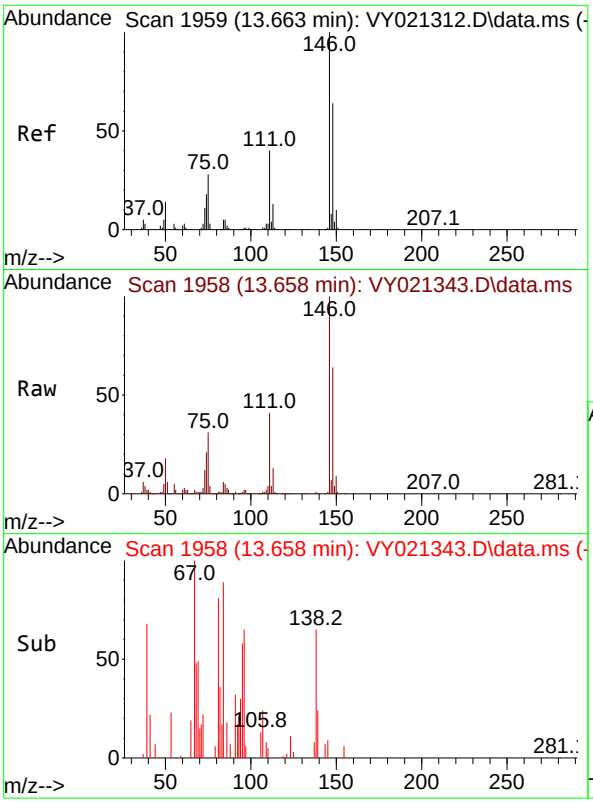


#90
Hexachloroethane
Concen: 43.065 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:117 Resp: 38746

Ion	Ratio	Lower	Upper
117	100		
201	76.0	38.4	115.2

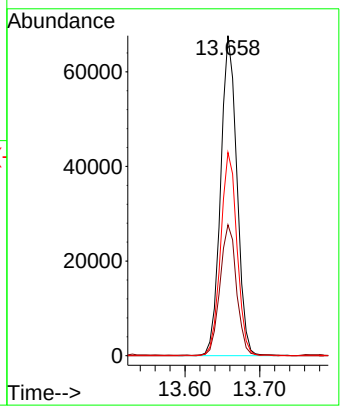




#91
1,2-Dichlorobenzene
Concen: 53.232 ug/l
RT: 13.658 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:146 Resp: 10228

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.9	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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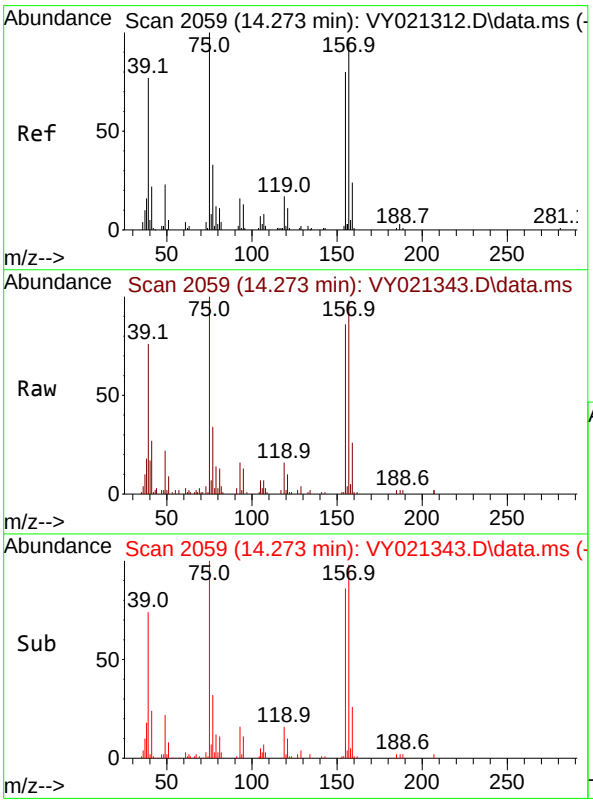
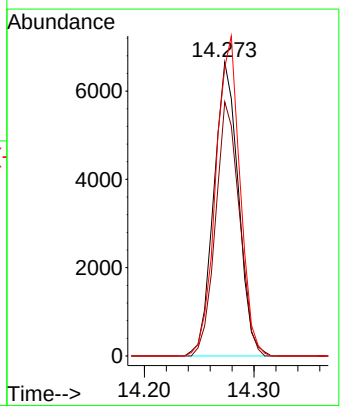
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

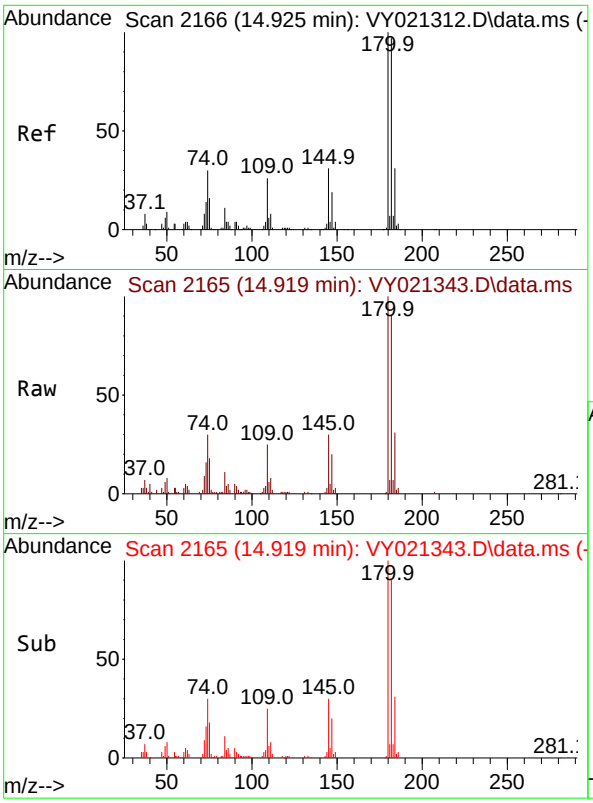


#92
1,2-Dibromo-3-Chloropropane
Concen: 77.954 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 10374

Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.9	125.6
157	107.0	52.5	157.6

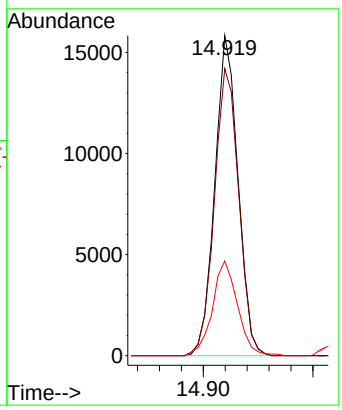




#93
1,2,4-Trichlorobenzene
Concen: 19.844 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:180 Resp: 2327

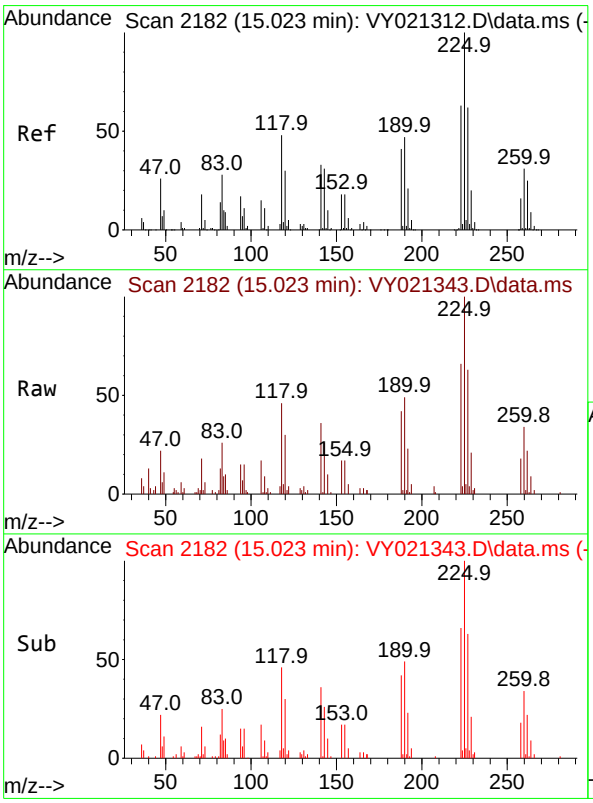
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	32.0	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
APPROVED

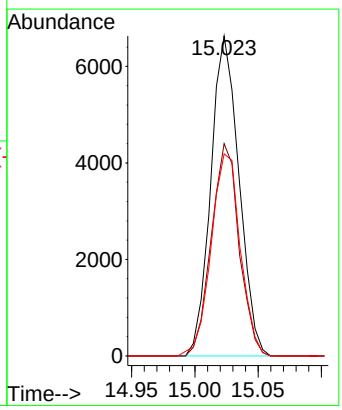
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

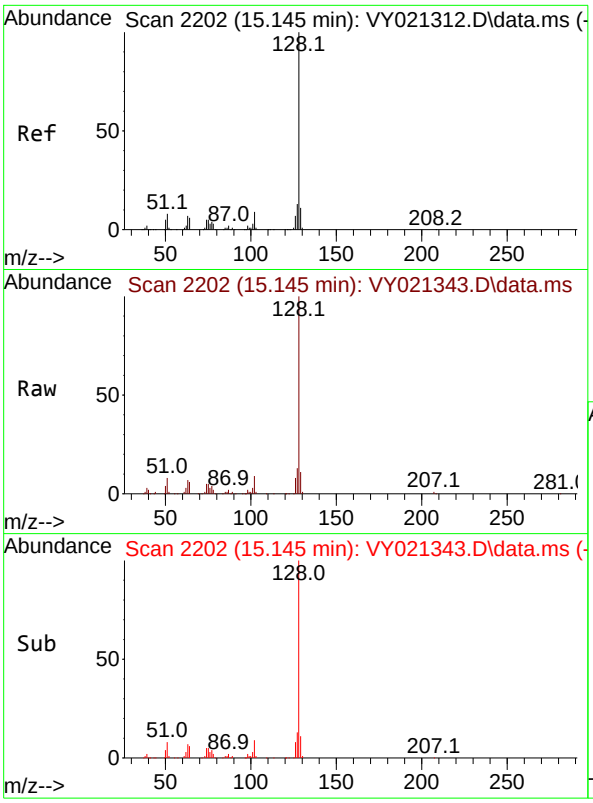


#94
Hexachlorobutadiene
Concen: 13.917 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:225 Resp: 10275

Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.8	95.4
227	65.3	31.9	95.7

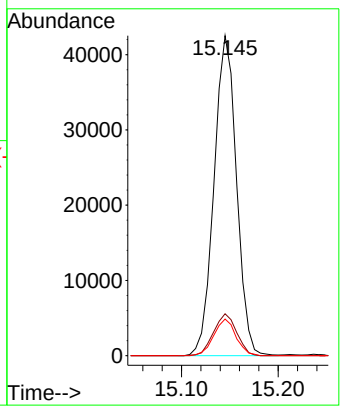




#95
Naphthalene
Concen: 35.301 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

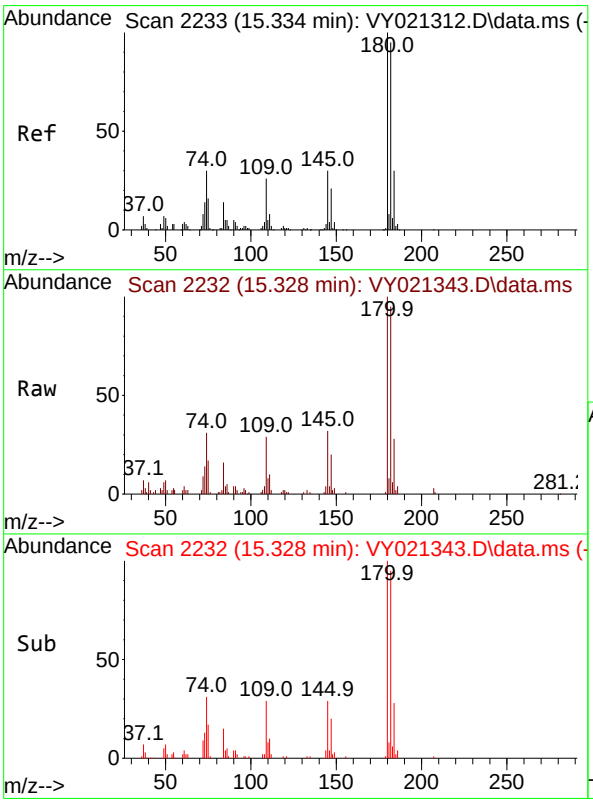
Tgt Ion:128 Resp: 6857

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.3	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

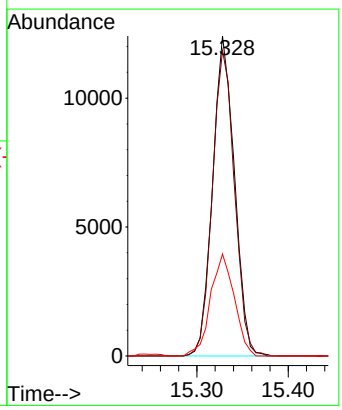
Manual Integrations
APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.754 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:180 Resp: 20565

Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.3	144.9
145	34.8	16.1	48.3



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Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085772.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:09 AM	MMDadoda	2/19/2025 12:44:43 PM	Peak Integrated by Software
VSTDICCC050	VN085773.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:14 AM	MMDadoda	2/19/2025 12:44:47 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	Vinyl Acetate	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	Vinyl Acetate	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,4-Dichlorobenzene	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	2,2-Dichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Allyl chloride	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Diethyl Ether	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Vinyl Acetate	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC020	VN085779.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:37 AM	MMDadoda	2/19/2025 12:45:09 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085780.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:42 AM	MMDadoda	2/19/2025 12:45:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN021925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085782.D	1,2,3-Trichloropropane	JOHN	2/20/2025 9:44:08 AM	MMDadoda	2/20/2025 12:10:34 PM	Peak Integrated by Software
VN0219WBS01	VN085785.D	1,2,3-Trichloropropane	JOHN	2/20/2025 9:44:12 AM	MMDadoda	2/20/2025 12:10:35 PM	Peak Integrated by Software
VN0219WBSD01	VN085786.D	1,2,3-Trichloropropane	JOHN	2/20/2025 9:44:17 AM	MMDadoda	2/20/2025 12:10:38 PM	Peak Integrated by Software
VN0219WBSD01	VN085786.D	Vinyl Acetate	JOHN	2/20/2025 9:44:17 AM	MMDadoda	2/20/2025 12:10:38 PM	Peak Integrated by Software
VSTDCCC050	VN085792.D	1,2,3-Trichloropropane	JOHN	2/20/2025 9:44:22 AM	MMDadoda	2/20/2025 12:10:40 PM	Peak Integrated by Software
VSTDCCC050	VN085792.D	trans-1,4-Dichloro-2-butene	JOHN	2/20/2025 9:44:22 AM	MMDadoda	2/20/2025 12:10:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY020325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021020.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:43 PM	SAM	2/4/2025 3:52:46 PM	Peak Integrated by Software
VSTDICC005	VY021020.D	Methacrylonitrile	MMDadoda	2/4/2025 3:47:43 PM	SAM	2/4/2025 3:52:46 PM	Peak Integrated by Software
VSTDICC010	VY021021.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:41 PM	SAM	2/4/2025 3:52:44 PM	Peak Integrated by Software
VSTDICC010	VY021021.D	Methacrylonitrile	MMDadoda	2/4/2025 3:47:41 PM	SAM	2/4/2025 3:52:44 PM	Peak Integrated by Software
VSTDICC010	VY021021.D	Tert butyl alcohol	MMDadoda	2/4/2025 3:47:41 PM	SAM	2/4/2025 3:52:44 PM	Peak Integrated by Software
VSTDICC020	VY021022.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:39 PM	SAM	2/4/2025 3:52:43 PM	Peak Integrated by Software
VSTDICC020	VY021022.D	Methacrylonitrile	MMDadoda	2/4/2025 3:47:39 PM	SAM	2/4/2025 3:52:43 PM	Peak Integrated by Software
VSTDICCC050	VY021023.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:37 PM	SAM	2/4/2025 3:52:39 PM	Peak Integrated by Software
VSTDICC100	VY021024.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:36 PM	SAM	2/4/2025 3:53:02 PM	Peak Integrated by Software
VSTDICC150	VY021025.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:34 PM	SAM	2/4/2025 3:53:04 PM	Peak Integrated by Software
VSTDICV050	VY021027.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:32 PM	SAM	2/4/2025 3:53:10 PM	Peak Integrated by Software
VSTDCCC050	VY021044.D	1,2,3-Trichloropropane	MMDadoda	2/4/2025 3:47:27 PM	SAM	2/4/2025 3:53:15 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY020325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vy021925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021236.D	1,2,3-Trichloropropane	Romaben	2/20/2025 8:40:07 AM	MMDadoda	2/20/2025 12:10:14 PM	Peak Integrated by Software
VY0219SBS01	VY021238.D	1,2,3-Trichloropropane	Romaben	2/20/2025 8:40:03 AM	MMDadoda	2/20/2025 12:10:16 PM	Peak Integrated by Software
VSTDCCC050	VY021245.D	1,2,3-Trichloropropane	Romaben	2/20/2025 8:40:17 AM	MMDadoda	2/20/2025 12:10:19 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY022525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021309.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:25 AM	MMDadoda	2/26/2025 1:44:30 PM	Peak Integrated by Software
VSTDICC005	VY021309.D	Methacrylonitrile	Romaben	2/26/2025 10:45:25 AM	MMDadoda	2/26/2025 1:44:30 PM	Peak Integrated by Software
VSTDICC010	VY021310.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:29 AM	MMDadoda	2/26/2025 1:44:32 PM	Peak Integrated by Software
VSTDICC020	VY021311.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:33 AM	MMDadoda	2/26/2025 1:44:34 PM	Peak Integrated by Software
VSTDICCC050	VY021312.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:52 AM	MMDadoda	2/26/2025 1:44:36 PM	Peak Integrated by Software
VSTDICC150	VY021314.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:40 AM	MMDadoda	2/26/2025 1:44:39 PM	Peak Integrated by Software
VSTDICC100	VY021316.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:43 AM	MMDadoda	2/26/2025 1:44:41 PM	Peak Integrated by Software
VSTDICV050	VY021317.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:47 AM	MMDadoda	2/26/2025 1:44:42 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY022625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021320.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:36:03 AM	MMDadoda	2/27/2025 12:12:27 PM	Peak Integrated by Software
VY0226SBS01	VY021322.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:35:58 AM	MMDadoda	2/27/2025 12:12:27 PM	Peak Integrated by Software
VY0226SBS01	VY021322.D	Methacrylonitrile	Romaben	2/27/2025 9:35:58 AM	MMDadoda	2/27/2025 12:12:27 PM	Peak Integrated by Software
Q1380-07MS	VY021342.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:36:08 AM	MMDadoda	2/27/2025 12:12:31 PM	Peak Integrated by Software
Q1380-08MSD	VY021343.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:36:13 AM	MMDadoda	2/27/2025 12:12:33 PM	Peak Integrated by Software
VSTDCCC050	VY021344.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:36:17 AM	MMDadoda	2/27/2025 12:12:34 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085771.D	18 Feb 2025 10:35	JC\MD	Ok
2	VSTDICC100	VN085772.D	18 Feb 2025 11:09	JC\MD	Ok,M
3	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	JC\MD	Ok,M
4	VSTDICC020	VN085774.D	18 Feb 2025 11:56	JC\MD	Not Ok
5	VSTDICC010	VN085775.D	18 Feb 2025 12:20	JC\MD	Ok,M
6	VSTDICC005	VN085776.D	18 Feb 2025 12:43	JC\MD	Ok,M
7	VSTDICC001	VN085777.D	18 Feb 2025 13:07	JC\MD	Ok,M
8	IBLK	VN085778.D	18 Feb 2025 13:54	JC\MD	Ok
9	VSTDICC020	VN085779.D	18 Feb 2025 14:18	JC\MD	Ok,M
10	VSTDICV050	VN085780.D	18 Feb 2025 16:28	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021925

Review By	John Carlone	Review On	2/20/2025 9:45:47 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/20/2025 12:10:45 PM		
SubDirectory	VN021925	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133083
Initial Calibration Stds	
CCC	VP133084,VP133085
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085781.D	19 Feb 2025 10:14	JC\MD	Ok
2	VSTDCCC050	VN085782.D	19 Feb 2025 10:51	JC\MD	Ok,M
3	VN0219MBL01	VN085783.D	19 Feb 2025 11:25	JC\MD	Ok
4	VN0219WBL01	VN085784.D	19 Feb 2025 11:49	JC\MD	Ok
5	VN0219WBS01	VN085785.D	19 Feb 2025 12:49	JC\MD	Ok,M
6	VN0219WBSD01	VN085786.D	19 Feb 2025 13:22	JC\MD	Ok,M
7	Q1380-12	VN085787.D	19 Feb 2025 13:57	JC\MD	Ok
8	Q1380-01	VN085788.D	19 Feb 2025 14:21	JC\MD	Ok
9	Q1380-02	VN085789.D	19 Feb 2025 14:45	JC\MD	Ok
10	Q1380-09	VN085790.D	19 Feb 2025 15:08	JC\MD	Ok
11	IBLK	VN085791.D	19 Feb 2025 15:32	JC\MD	Ok
12	VSTDCCC050	VN085792.D	19 Feb 2025 15:58	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM				
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021019.D	03 Feb 2025 09:51	SY/MD	Ok
2	VSTDICC005	VY021020.D	03 Feb 2025 10:35	SY/MD	Ok,M
3	VSTDICC010	VY021021.D	03 Feb 2025 10:57	SY/MD	Ok,M
4	VSTDICC020	VY021022.D	03 Feb 2025 11:20	SY/MD	Ok,M
5	VSTDICCC050	VY021023.D	03 Feb 2025 11:43	SY/MD	Ok,M
6	VSTDICC100	VY021024.D	03 Feb 2025 12:21	SY/MD	Ok,M
7	VSTDICC150	VY021025.D	03 Feb 2025 12:44	SY/MD	Ok,M
8	VIBLK	VY021026.D	03 Feb 2025 13:11	SY/MD	Ok
9	VSTDICV050	VY021027.D	03 Feb 2025 13:37	SY/MD	Ok,M
10	VY0203SBL01	VY021028.D	03 Feb 2025 14:13	SY/MD	Ok
11	VY0203SBS01	VY021029.D	03 Feb 2025 14:55	SY/MD	Ok,M
12	VY0203SBSD01	VY021030.D	03 Feb 2025 15:17	SY/MD	Ok,M
13	Q1239-10	VY021031.D	03 Feb 2025 15:50	SY/MD	Not Ok
14	Q1215-01	VY021032.D	03 Feb 2025 16:14	SY/MD	Ok
15	Q1215-05	VY021033.D	03 Feb 2025 16:37	SY/MD	Not Ok
16	Q1216-01	VY021034.D	03 Feb 2025 17:01	SY/MD	ReRun
17	Q1216-05	VY021035.D	03 Feb 2025 17:24	SY/MD	Ok
18	IBLK	VY021036.D	03 Feb 2025 17:47	SY/MD	Not Ok
19	IBLK	VY021037.D	03 Feb 2025 18:11	SY/MD	Not Ok
20	Q1216-17	VY021038.D	03 Feb 2025 18:34	SY/MD	Ok
21	Q1206-01	VY021039.D	03 Feb 2025 18:58	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM				
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1206-05	VY021040.D	03 Feb 2025 19:21	SY/MD	Ok
23	Q1207-01	VY021041.D	03 Feb 2025 19:44	SY/MD	Ok
24	Q1207-05	VY021042.D	03 Feb 2025 20:08	SY/MD	Ok
25	Q1207-09	VY021043.D	03 Feb 2025 20:31	SY/MD	Ok
26	VSTDCCC050	VY021044.D	03 Feb 2025 20:54	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY021925

Review By	Mahesh Dadoda	Review On	2/20/2025 12:10:22 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/20/2025 12:13:00 PM				
SubDirectory	VY021925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133080
Initial Calibration Stds	
CCC	VP133081,VP133082
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021235.D	19 Feb 2025 09:09	SY/MD	Ok
2	VSTDCCC050	VY021236.D	19 Feb 2025 14:55	SY/MD	Ok,M
3	VY0219SBL01	VY021237.D	19 Feb 2025 15:21	SY/MD	Ok
4	VY0219SBS01	VY021238.D	19 Feb 2025 15:49	SY/MD	Ok,M
5	VY0219SBSD01	VY021239.D	19 Feb 2025 16:12	SY/MD	Ok,M
6	Q1384-01RE	VY021240.D	19 Feb 2025 16:35	SY/MD	Confirms
7	Q1380-06	VY021241.D	19 Feb 2025 16:59	SY/MD	Ok
8	Q1382-01	VY021242.D	19 Feb 2025 17:22	SY/MD	Ok
9	Q1382-03	VY021243.D	19 Feb 2025 17:45	SY/MD	Ok
10	Q1382-05	VY021244.D	19 Feb 2025 18:09	SY/MD	Ok
11	VSTDCCC050	VY021245.D	19 Feb 2025 18:32	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

Review By	Mahesh Dadoda	Review On	2/26/2025 1:45:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/26/2025 1:46:55 PM				
SubDirectory	VY022525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133154
Initial Calibration Stds	VP133137,VP133140,VP133143,VP133146,VP133147,VP133149
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021308.D	25 Feb 2025 12:10	SY/MD	Ok
2	VSTDICC005	VY021309.D	25 Feb 2025 12:40	SY/MD	Ok,M
3	VSTDICC010	VY021310.D	25 Feb 2025 13:03	SY/MD	Ok,M
4	VSTDICC020	VY021311.D	25 Feb 2025 13:26	SY/MD	Ok,M
5	VSTDICCC050	VY021312.D	25 Feb 2025 14:48	SY/MD	Ok,M
6	VSTDICC100	VY021313.D	25 Feb 2025 15:34	SY/MD	Not Ok
7	VSTDICC150	VY021314.D	25 Feb 2025 15:57	SY/MD	Ok,M
8	VIBLK	VY021315.D	25 Feb 2025 16:24	SY/MD	Ok
9	VSTDICC100	VY021316.D	25 Feb 2025 16:49	SY/MD	Ok,M
10	VSTDICV050	VY021317.D	25 Feb 2025 17:31	SY/MD	Ok,M
11	VIBLK	VY021318.D	25 Feb 2025 17:54	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM				
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021319.D	26 Feb 2025 09:12	SY/MD	Ok
2	VSTDCCC050	VY021320.D	26 Feb 2025 10:11	SY/MD	Ok,M
3	VY0226SBL01	VY021321.D	26 Feb 2025 10:50	SY/MD	Ok
4	VY0226SBS01	VY021322.D	26 Feb 2025 11:22	SY/MD	Ok,M
5	VY0226SBSD01	VY021323.D	26 Feb 2025 11:44	SY/MD	Ok,M
6	Q1416-01	VY021324.D	26 Feb 2025 12:20	SY/MD	ReRun
7	Q1413-02	VY021325.D	26 Feb 2025 12:43	SY/MD	ReRun
8	Q1418-01	VY021326.D	26 Feb 2025 13:07	SY/MD	Ok
9	Q1413-02RE	VY021327.D	26 Feb 2025 13:30	SY/MD	Confirms
10	Q1401-07	VY021328.D	26 Feb 2025 13:54	SY/MD	Ok
11	Q1401-08	VY021329.D	26 Feb 2025 14:17	SY/MD	Ok
12	Q1401-09	VY021330.D	26 Feb 2025 14:40	SY/MD	Ok
13	Q1382-19	VY021331.D	26 Feb 2025 15:04	SY/MD	Ok
14	Q1383-09	VY021332.D	26 Feb 2025 15:27	SY/MD	Ok
15	Q1411-03	VY021333.D	26 Feb 2025 15:51	SY/MD	Ok
16	Q1411-01	VY021334.D	26 Feb 2025 16:14	SY/MD	Not Ok
17	Q1415-02	VY021335.D	26 Feb 2025 16:37	SY/MD	Ok
18	Q1415-01	VY021336.D	26 Feb 2025 17:01	SY/MD	Ok
19	Q1415-04	VY021337.D	26 Feb 2025 17:24	SY/MD	Ok,M
20	Q1415-03	VY021338.D	26 Feb 2025 17:48	SY/MD	Ok
21	Q1420-07	VY021339.D	26 Feb 2025 18:11	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM				
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1420-03	VY021340.D	26 Feb 2025 18:34	SY/MD	Ok
23	Q1427-01	VY021341.D	26 Feb 2025 18:58	SY/MD	ReRun
24	Q1380-07MS	VY021342.D	26 Feb 2025 19:21	SY/MD	Ok,M
25	Q1380-08MSD	VY021343.D	26 Feb 2025 19:43	SY/MD	Ok,M
26	VSTDCCC050	VY021344.D	26 Feb 2025 20:06	SY/MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085771.D	18 Feb 2025 10:35		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085772.D	18 Feb 2025 11:09	Comp.#43 is on Linear Regression	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	Comp.#56,58,70,86 is on Quadratic Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085774.D	18 Feb 2025 11:56	Not used	JC\MD	Not Ok
5	VSTDICC010	VSTDICC010	VN085775.D	18 Feb 2025 12:20		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085776.D	18 Feb 2025 12:43	%D failed for Comp. #58 in 01PPB, 05PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085777.D	18 Feb 2025 13:07		JC\MD	Ok,M
8	IBLK	IBLK	VN085778.D	18 Feb 2025 13:54		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN085779.D	18 Feb 2025 14:18		JC\MD	Ok,M
10	VSTDICV050	ICVVN021825	VN085780.D	18 Feb 2025 16:28	ICV Failed for comp. #95	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021925

Review By	John Carlone	Review On	2/20/2025 9:45:47 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/20/2025 12:10:45 PM		
SubDirectory	VN021925	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133083
Initial Calibration Stds	
CCC	VP133084,VP133085
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085781.D	19 Feb 2025 10:14		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085782.D	19 Feb 2025 10:51	V13516	JC\MD	Ok,M
3	VN0219MBL01	VN0219MBL01	VN085783.D	19 Feb 2025 11:25		JC\MD	Ok
4	VN0219WBL01	VN0219WBL01	VN085784.D	19 Feb 2025 11:49		JC\MD	Ok
5	VN0219WBS01	VN0219WBS01	VN085785.D	19 Feb 2025 12:49		JC\MD	Ok,M
6	VN0219WBSD01	VN0219WBSD01	VN085786.D	19 Feb 2025 13:22		JC\MD	Ok,M
7	Q1380-12	VPB192-HYD-2025021	VN085787.D	19 Feb 2025 13:57	vial A pH<2	JC\MD	Ok
8	Q1380-01	BP-VPB-192-EB-20250	VN085788.D	19 Feb 2025 14:21	vial A pH<2 EB	JC\MD	Ok
9	Q1380-02	BP-VPB-192-TB-20250	VN085789.D	19 Feb 2025 14:45	vial A pH<2 TB	JC\MD	Ok
10	Q1380-09	BP-VPB-192-GW-780-7	VN085790.D	19 Feb 2025 15:08	vial A pH<2	JC\MD	Ok
11	IBLK	IBLK	VN085791.D	19 Feb 2025 15:32		JC\MD	Ok
12	VSTDCCC050	VSTDCCC050EC	VN085792.D	19 Feb 2025 15:58		JC\MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM		
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021019.D	03 Feb 2025 09:51		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021020.D	03 Feb 2025 10:35	Good for DOD	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021021.D	03 Feb 2025 10:57		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021022.D	03 Feb 2025 11:20		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021023.D	03 Feb 2025 11:43		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021024.D	03 Feb 2025 12:21		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021025.D	03 Feb 2025 12:44		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021026.D	03 Feb 2025 13:11		SY/MD	Ok
9	VSTDICV050	ICVVY020325	VY021027.D	03 Feb 2025 13:37		SY/MD	Ok,M
10	VY0203SBL01	VY0203SBL01	VY021028.D	03 Feb 2025 14:13		SY/MD	Ok
11	VY0203SBS01	VY0203SBS01	VY021029.D	03 Feb 2025 14:55		SY/MD	Ok,M
12	VY0203SBSD01	VY0203SBSD01	VY021030.D	03 Feb 2025 15:17		SY/MD	Ok,M
13	Q1239-10	357	VY021031.D	03 Feb 2025 15:50	vial B Not purged	SY/MD	Not Ok
14	Q1215-01	JPP-29.1-012825	VY021032.D	03 Feb 2025 16:14	vial A ISTD Fail	SY/MD	Ok
15	Q1215-05	JPP-29.2-012825	VY021033.D	03 Feb 2025 16:37	Not purged vial-A	SY/MD	Not Ok
16	Q1216-01	JPP-18.1-012825	VY021034.D	03 Feb 2025 17:01	vial A Internal Standard Fail	SY/MD	ReRun
17	Q1216-05	JPP-21.1-012825	VY021035.D	03 Feb 2025 17:24	vial B ISTD Fail	SY/MD	Ok
18	IBLK	IBLK	VY021036.D	03 Feb 2025 17:47	Not purged	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

Review By	Mahesh Dadoda	Review On	2/4/2025 3:47:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/4/2025 3:53:22 PM		
SubDirectory	VY020325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132839
Initial Calibration Stds	VP132837,VP132841,VP132843,VP132845,VP132847,VP132849
CCC	VP132853
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132851
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	IBLK	IBLK	VY021037.D	03 Feb 2025 18:11	Not purged	SY/MD	Not Ok
20	Q1216-17	JPP-26.2-012825	VY021038.D	03 Feb 2025 18:34	vial B Internal Standard Fail	SY/MD	Ok
21	Q1206-01	JPP-20.1-012725	VY021039.D	03 Feb 2025 18:58	vial B	SY/MD	Ok
22	Q1206-05	JPP-16.3-012725	VY021040.D	03 Feb 2025 19:21	vial B	SY/MD	Ok
23	Q1207-01	JPP-2.1-012725	VY021041.D	03 Feb 2025 19:44	vial-B	SY/MD	Ok
24	Q1207-05	JPP-5.1-012725	VY021042.D	03 Feb 2025 20:08	vial-B	SY/MD	Ok
25	Q1207-09	JPP-4.5-012725	VY021043.D	03 Feb 2025 20:31	vial-B	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021044.D	03 Feb 2025 20:54		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY021925

Review By	Mahesh Dadoda	Review On	2/20/2025 12:10:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/20/2025 12:13:00 PM		
SubDirectory	VY021925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y020325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133080
Initial Calibration Stds	
CCC	VP133081,VP133082
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021235.D	19 Feb 2025 09:09		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021236.D	19 Feb 2025 14:55		SY/MD	Ok,M
3	VY0219SBL01	VY0219SBL01	VY021237.D	19 Feb 2025 15:21		SY/MD	Ok
4	VY0219SBS01	VY0219SBS01	VY021238.D	19 Feb 2025 15:49		SY/MD	Ok,M
5	VY0219SBSD01	VY0219SBSD01	VY021239.D	19 Feb 2025 16:12		SY/MD	Ok,M
6	Q1384-01RE	OR-03-021823025RE	VY021240.D	19 Feb 2025 16:35	Internal Standard Fail vial-B	SY/MD	Confirms
7	Q1380-06	BP-VPB-192-GW-725-7	VY021241.D	19 Feb 2025 16:59	vial-A	SY/MD	Ok
8	Q1382-01	OU4-PCS-TC-01-02172	VY021242.D	19 Feb 2025 17:22	vial-A	SY/MD	Ok
9	Q1382-03	OU4-PCS-TC-02-02172	VY021243.D	19 Feb 2025 17:45	vial-A	SY/MD	Ok
10	Q1382-05	OU4-PCS-TC-03-02172	VY021244.D	19 Feb 2025 18:09	vial-A	SY/MD	Ok
11	VSTDCCC050	VSTDCCC050EC	VY021245.D	19 Feb 2025 18:32		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

Review By	Mahesh Dadoda	Review On	2/26/2025 1:45:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/26/2025 1:46:55 PM		
SubDirectory	VY022525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133154
Initial Calibration Stds	VP133137,VP133140,VP133143,VP133146,VP133147,VP133149
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021308.D	25 Feb 2025 12:10		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021309.D	25 Feb 2025 12:40		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021310.D	25 Feb 2025 13:03		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021311.D	25 Feb 2025 13:26	Acrolein fail for method	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021312.D	25 Feb 2025 14:48		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021313.D	25 Feb 2025 15:34	Not used	SY/MD	Not Ok
7	VSTDICC150	VSTDICC150	VY021314.D	25 Feb 2025 15:57		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021315.D	25 Feb 2025 16:24		SY/MD	Ok
9	VSTDICC100	VSTDICC100	VY021316.D	25 Feb 2025 16:49		SY/MD	Ok,M
10	VSTDICV050	ICVVY022525	VY021317.D	25 Feb 2025 17:31	ICV Failed for comp. #10	SY/MD	Ok,M
11	VIBLK	VIBLK	VY021318.D	25 Feb 2025 17:54		SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM		
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021319.D	26 Feb 2025 09:12		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021320.D	26 Feb 2025 10:11		SY/MD	Ok,M
3	VY0226SBL01	VY0226SBL01	VY021321.D	26 Feb 2025 10:50		SY/MD	Ok
4	VY0226SBS01	VY0226SBS01	VY021322.D	26 Feb 2025 11:22		SY/MD	Ok,M
5	VY0226SBSD01	VY0226SBSD01	VY021323.D	26 Feb 2025 11:44		SY/MD	Ok,M
6	Q1416-01	OK-01-022425	VY021324.D	26 Feb 2025 12:20	vial-A ISTD Fail	SY/MD	ReRun
7	Q1413-02	BU-2-022125	VY021325.D	26 Feb 2025 12:43	vial-A ISTD Fail	SY/MD	ReRun
8	Q1418-01	TR-06-02242025	VY021326.D	26 Feb 2025 13:07	vial-A ISTD Fail	SY/MD	Ok
9	Q1413-02RE	BU-2-022125RE	VY021327.D	26 Feb 2025 13:30	vial-B ISTD Fail	SY/MD	Confirms
10	Q1401-07	BP-VPB-192-GW-825-8	VY021328.D	26 Feb 2025 13:54	vial-A	SY/MD	Ok
11	Q1401-08	BP-VPB-192-GW-860-8	VY021329.D	26 Feb 2025 14:17	vial-A	SY/MD	Ok
12	Q1401-09	BP-VPB-192-GW-880-8	VY021330.D	26 Feb 2025 14:40	vial-A	SY/MD	Ok
13	Q1382-19	OU4-PCS-TC-10-02172	VY021331.D	26 Feb 2025 15:04	vial-A	SY/MD	Ok
14	Q1383-09	OU4-PCS-TC-15-02172	VY021332.D	26 Feb 2025 15:27	vial-B	SY/MD	Ok
15	Q1411-03	HR-03-02212025	VY021333.D	26 Feb 2025 15:51	vial-A	SY/MD	Ok
16	Q1411-01	HR-02-02212025	VY021334.D	26 Feb 2025 16:14	vial-A NOT PURGE	SY/MD	Not Ok
17	Q1415-02	B-172-SB01	VY021335.D	26 Feb 2025 16:37	vial-A	SY/MD	Ok
18	Q1415-01	B-163-SB01	VY021336.D	26 Feb 2025 17:01	vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM		
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1415-04	B-172-SB02	VY021337.D	26 Feb 2025 17:24	vial-A	SY/MD	Ok,M
20	Q1415-03	B-163-SB02	VY021338.D	26 Feb 2025 17:48	vial-A Internal Standard Fail	SY/MD	Ok
21	Q1420-07	TP-2-WC-VOC	VY021339.D	26 Feb 2025 18:11	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q1420-03	TP-1-WC-VOC	VY021340.D	26 Feb 2025 18:34	vial-A	SY/MD	Ok
23	Q1427-01	VNJ-227	VY021341.D	26 Feb 2025 18:58	vial-A Surrogate Fail	SY/MD	ReRun
24	Q1380-07MS	BP-VPB-192-GW-725-7	VY021342.D	26 Feb 2025 19:21	vial-B	SY/MD	Ok,M
25	Q1380-08MSD	BP-VPB-192-GW-725-7	VY021343.D	26 Feb 2025 19:43	vial-B Internal Standard Fail	SY/MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VY021344.D	26 Feb 2025 20:06		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1380-06	BP-VPB-192-GW-725-727	1	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-07	Q1380-06MS	2	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-08	Q1380-06MSD	3	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1382-01	OU4-PCS-TC-01-021725	4	1.15	8.56	9.71	9.02	91.9	
Q1382-03	OU4-PCS-TC-02-021725	5	1.15	8.59	9.74	9.03	91.7	
Q1382-05	OU4-PCS-TC-03-021725	6	1.15	8.56	9.71	9.06	92.4	
Q1382-07	OU4-PCS-TC-04-021725	7	1.16	8.80	9.96	9.3	92.5	
Q1382-09	OU4-PCS-TC-05-021725	8	1.16	8.65	9.81	9.12	92.0	
Q1382-11	OU4-PCS-TC-06-021725	9	1.12	8.76	9.88	9.2	92.2	
Q1382-13	OU4-PCS-TC-07-021725	10	1.11	8.67	9.78	9.1	92.2	
Q1382-15	OU4-PCS-TC-08-021725	11	1.19	8.61	9.8	9.16	92.6	
Q1382-17	OU4-PCS-TC-09-021725	12	1.14	8.66	9.8	9.16	92.6	
Q1382-19	OU4-PCS-TC-10-021725	13	1.14	8.84	9.98	9.4	93.4	
Q1383-01	OU4-PCS-TC-11-021725	14	1.17	8.74	9.91	9.26	92.6	
Q1383-03	OU4-PCS-TC-12-021725	15	1.15	8.73	9.88	9.2	92.2	
Q1383-05	OU4-PCS-TC-13-021725	16	1.12	8.76	9.88	9.22	92.5	
Q1383-07	OU4-PCS-TC-14-021725	17	1.18	8.58	9.76	9.08	92.1	
Q1383-09	OU4-PCS-TC-15-021725	18	1.13	8.77	9.9	9.24	92.5	
Q1383-11	OU4-PCS-TC-16-021725	19	1.16	8.61	9.77	9.09	92.1	
Q1383-13	OU4-PCS-TC-17-021725	20	1.19	8.58	9.77	9.03	91.4	
Q1383-15	OU4-PCS-TC-18-021725	21	1.15	8.60	9.75	9.05	91.9	
Q1383-17	OU4-PCS-TC-19-021725	22	1.15	8.84	9.99	9.29	92.1	
Q1383-19	OU4-PCS-TC-20-021725	23	1.13	8.67	9.8	9.12	92.2	
Q1383-21	OU4-CF-15-021725	24	1.16	8.50	9.66	9.02	92.5	
Q1384-01	OR-03-021823025	25	1.15	8.81	9.96	8.96	88.6	
Q1384-02	OR-03-021823025-E2	26	1.17	8.82	9.99	9.04	89.2	
Q1385-01	ST-1	27	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1385-02	ST-1-E2	28	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 134739

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1380-06	BP-VPB-192-GW-725-727	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-07	Q1380-06MS	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-08	Q1380-06MSD	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1382-01	OU4-PCS-TC-01-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-03	OU4-PCS-TC-02-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-05	OU4-PCS-TC-03-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-07	OU4-PCS-TC-04-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-09	OU4-PCS-TC-05-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-11	OU4-PCS-TC-06-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-13	OU4-PCS-TC-07-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-15	OU4-PCS-TC-08-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-17	OU4-PCS-TC-09-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-19	OU4-PCS-TC-10-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-01	OU4-PCS-TC-11-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-03	OU4-PCS-TC-12-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-05	OU4-PCS-TC-13-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-07	OU4-PCS-TC-14-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-09	OU4-PCS-TC-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-11	OU4-PCS-TC-16-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-13	OU4-PCS-TC-17-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-15	OU4-PCS-TC-18-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 02/18/25 17:00

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB1347 39

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-17	OU4-PCS-TC-19-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-19	OU4-PCS-TC-20-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-21	OU4-CF-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1384-01	OR-03-021823025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1384-02	OR-03-021823025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1385-01	ST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO
Q1385-02	ST-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by: JWC

Raw Sample Relinquished by:

Date/Time 02/18/25 17:00

Raw Sample Received by:

Raw Sample Relinquished by:

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

Prep Standard - Chemical Standard Summary

Order ID : Q1380

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VN021925,vy021925,VY022625,

Standard ID :
VP130430,VP130432,VP131746,VP131767,VP131783,VP132035,VP132036,VP132096,VP132098,VP132613,VP132614,VP133036,VP133037,VP133080,VP133081,VP133082,VP133083,VP133084,VP133085,VP133089,VP133090,VP133091,VP133161,VP133162,VP133163,

Chemical ID :
V13391,V13446,V13457,V13460,V13465,V13466,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,V14872,V14873,V14874,V14875,W3112,

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP130432	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.10000ml of V13707 + 24.90000ml of V14145 = Final Quantity: 25.000 ml

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP132614	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 5.62500ml of V14624 + 9.37500ml of VP132613 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133037	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 5.62500ml of V14624 + 9.37500ml of VP133036 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133080	02/19/2025	02/20/2025	Romaben Patel	None	None	Mahesh Dadoda 02/19/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133081	02/19/2025	02/20/2025	Romaben Patel	None	None	Mahesh Dadoda 02/19/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133082	02/19/2025	02/20/2025	Romaben Patel	None	None	Mahesh Dadoda 02/19/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133083	02/19/2025	02/20/2025	John Carlone	None	None	Mahesh Dadoda 02/28/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133084	02/19/2025	02/20/2025	John Carlone	None	None	Mahesh Dadoda 02/28/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133085	02/19/2025	02/20/2025	John Carlone	None	None	Mahesh Dadoda 02/28/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133089	02/20/2025	02/21/2025	Amit Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133090	02/20/2025	02/21/2025	Amit Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133091	02/20/2025	02/21/2025	Amit Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133161	02/26/2025	02/27/2025	Romaben Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133162	02/26/2025	02/27/2025	Romaben Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133163	02/26/2025	02/27/2025	Romaben Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	01/10/2025 / SAM	01/23/2023 / SAM	V13446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Rec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

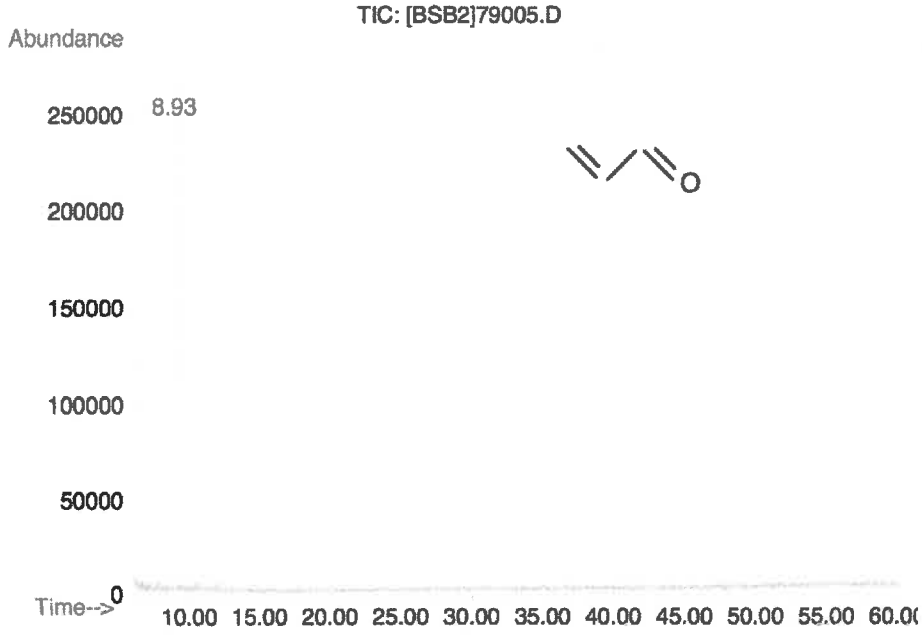
V14872 to
V14876

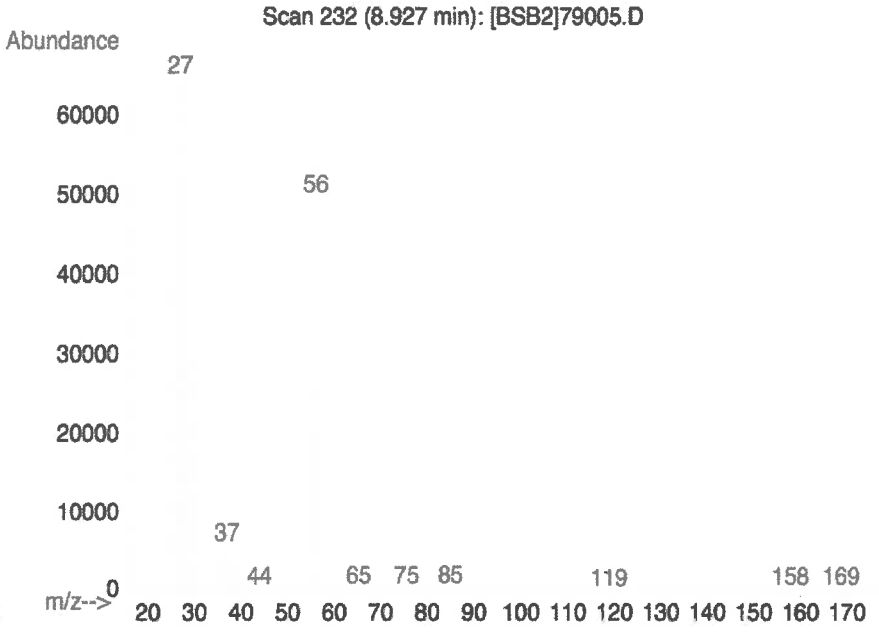
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Rec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

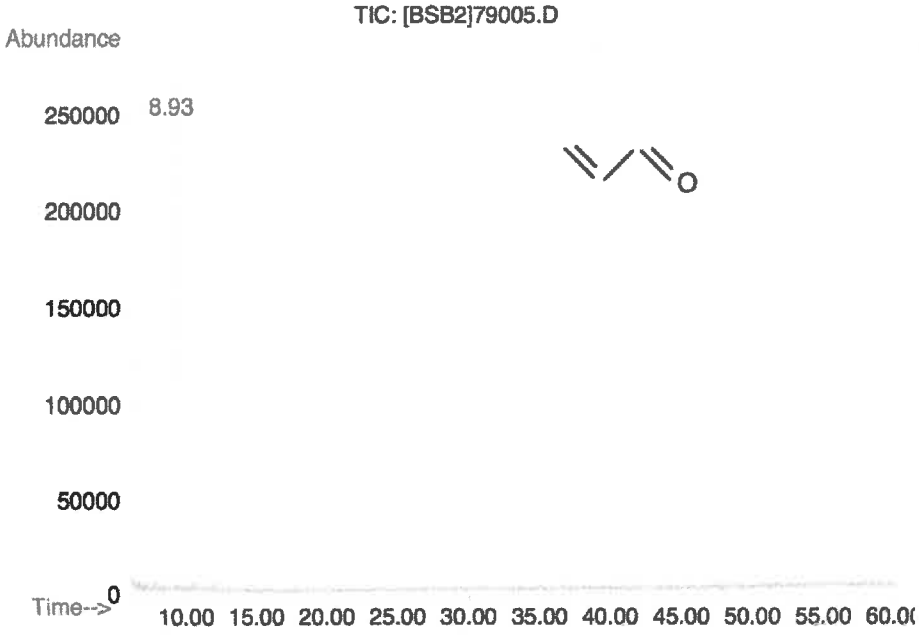
V14872 to
V14876

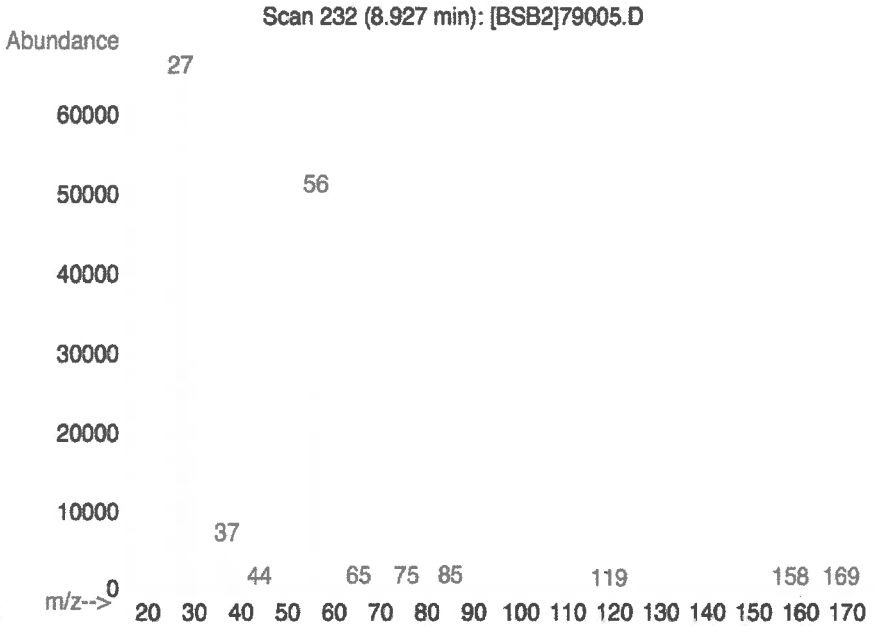
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
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https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

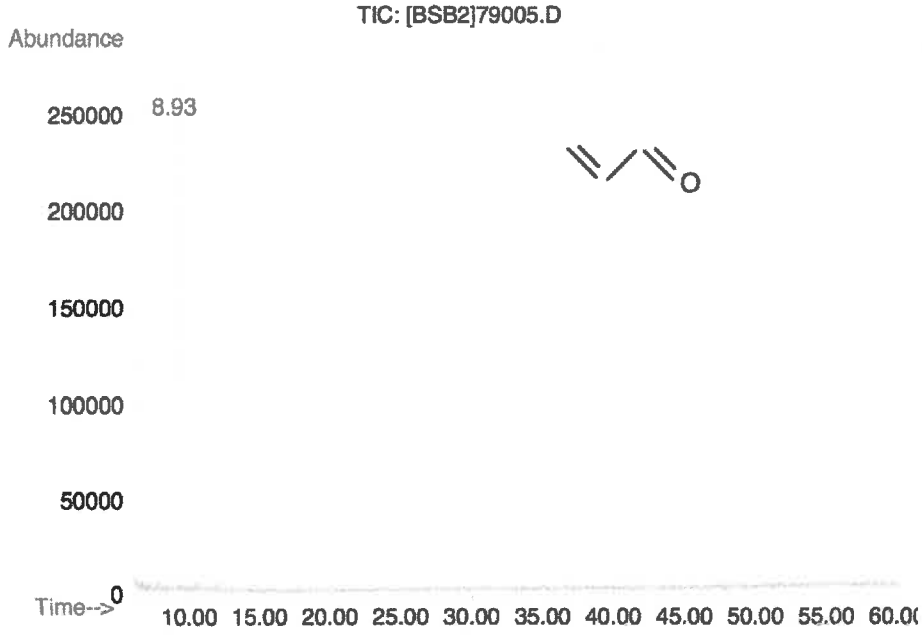
V14872 to
V14876

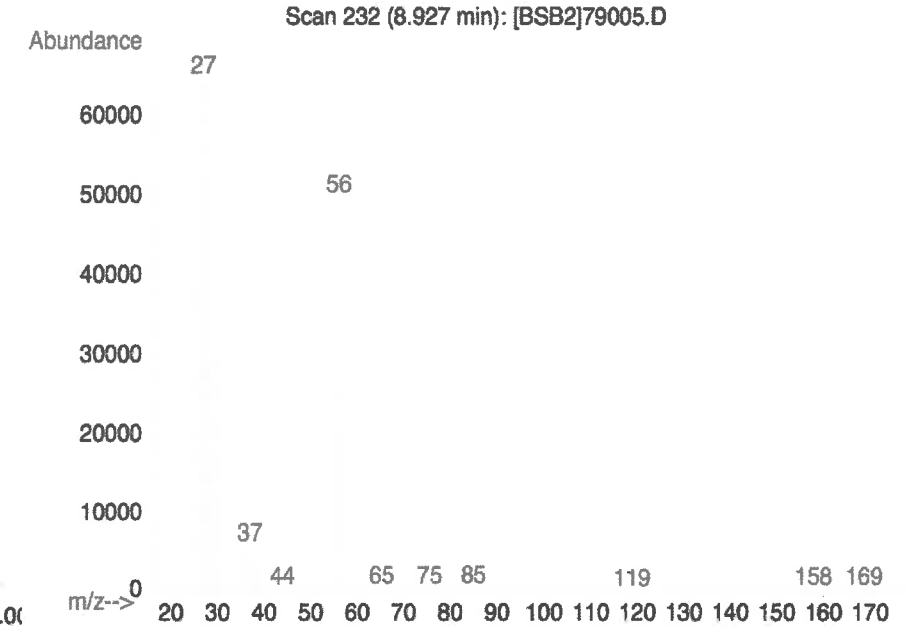
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

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Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
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Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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Dec 02/14/25

CERTIFIED WEIGHT REPORT

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Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

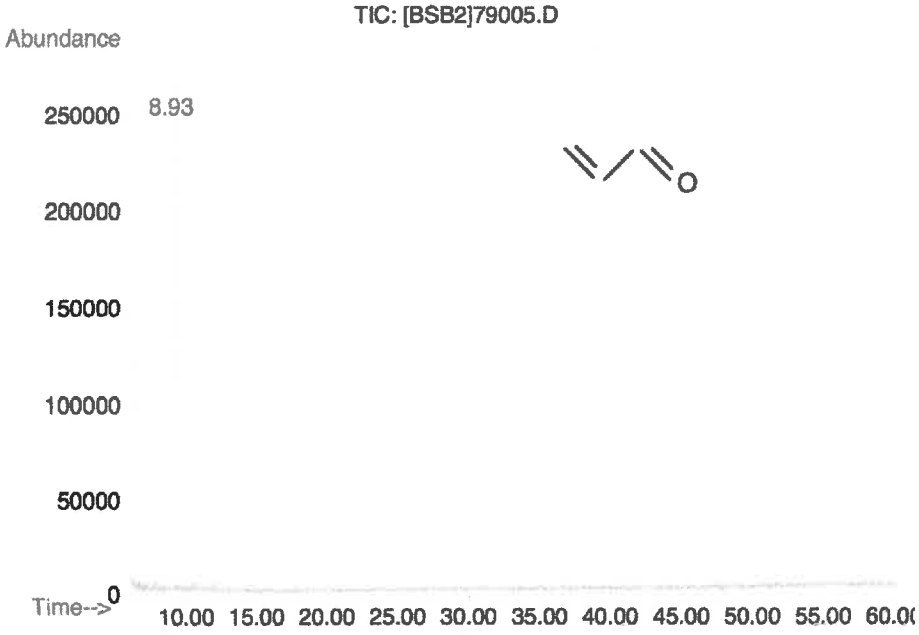
V14872 to
V14876

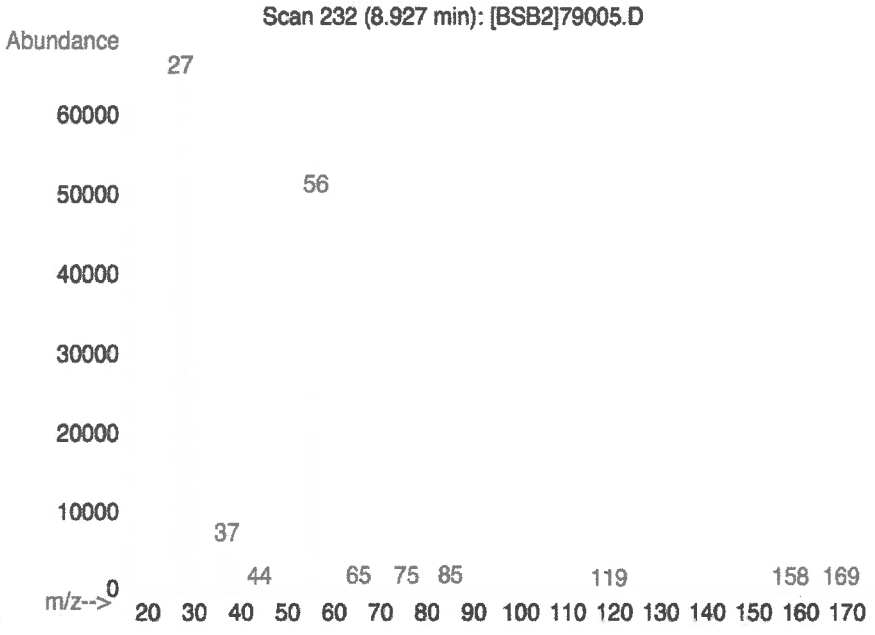
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

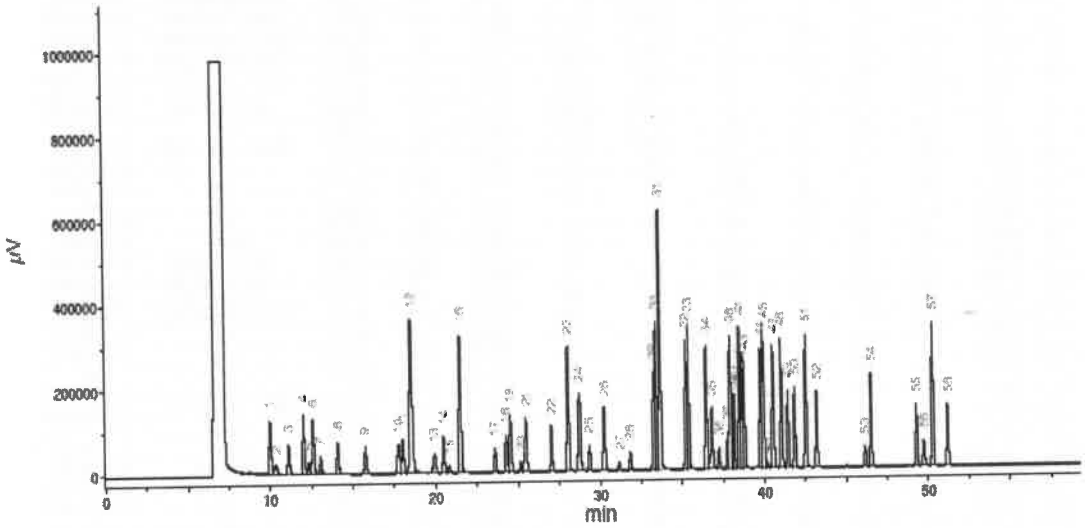
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

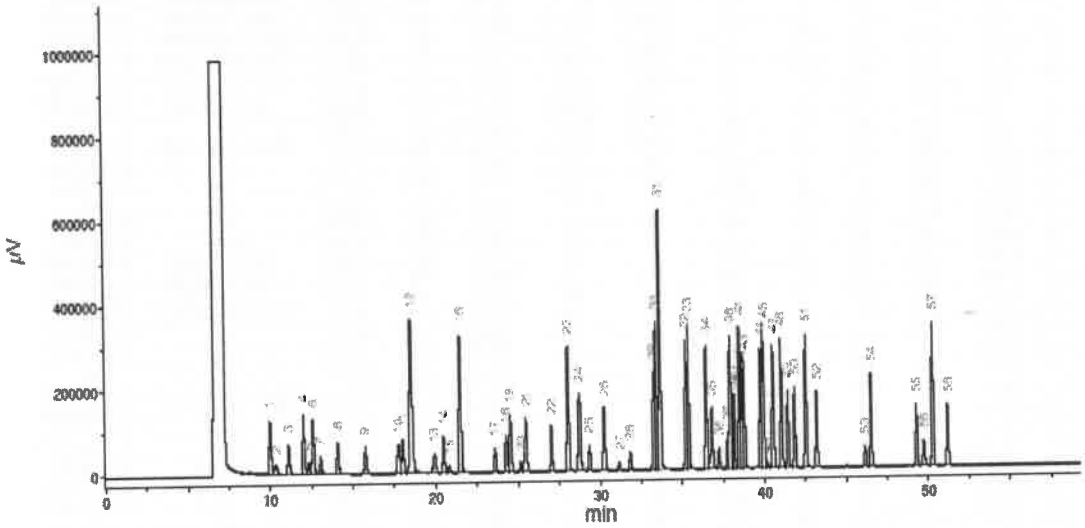
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.6	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): **Lot#**
Water 072324Q

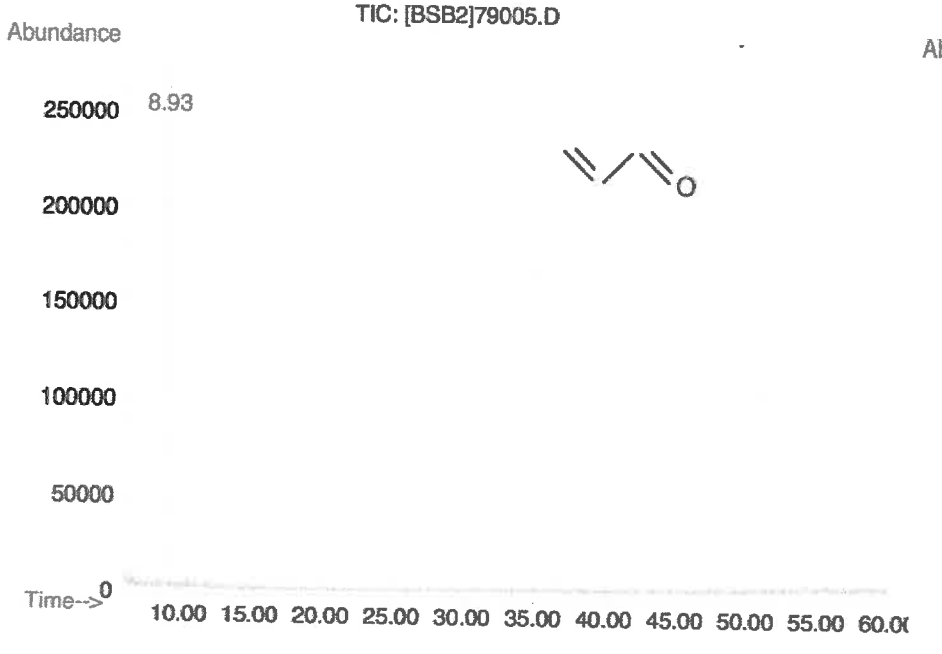
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

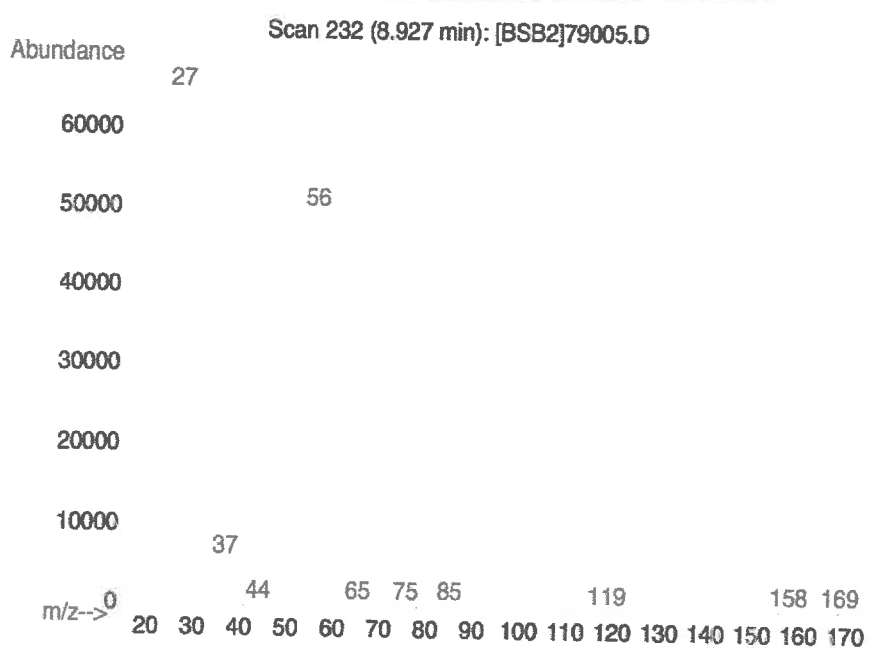
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

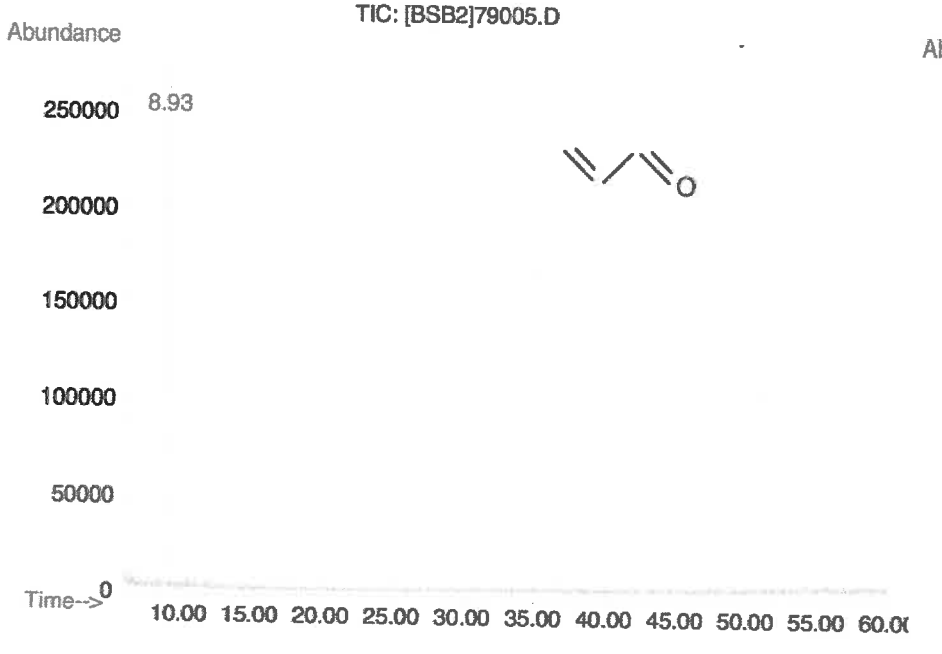
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

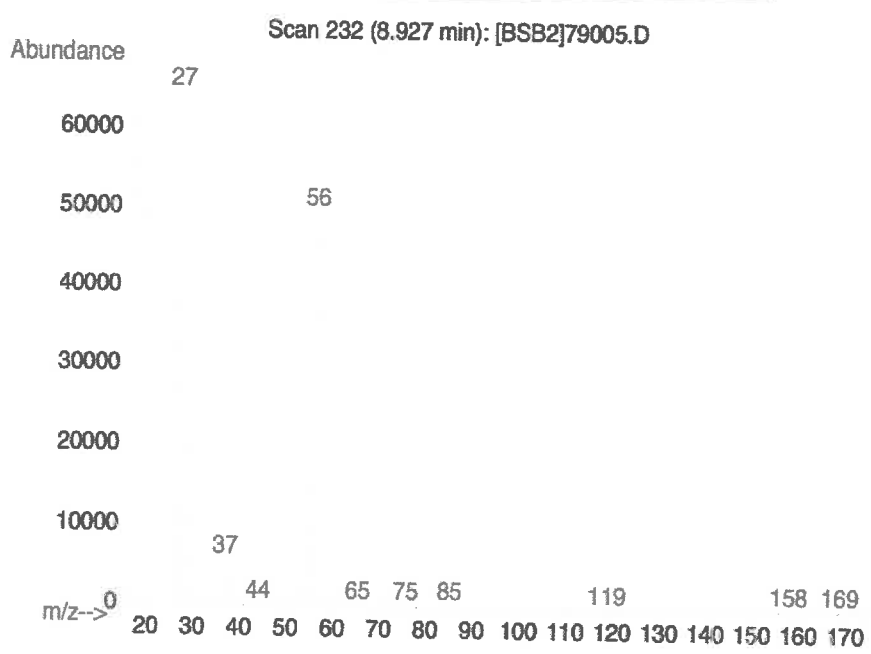
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EJ143-US

V14630 to V14649

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

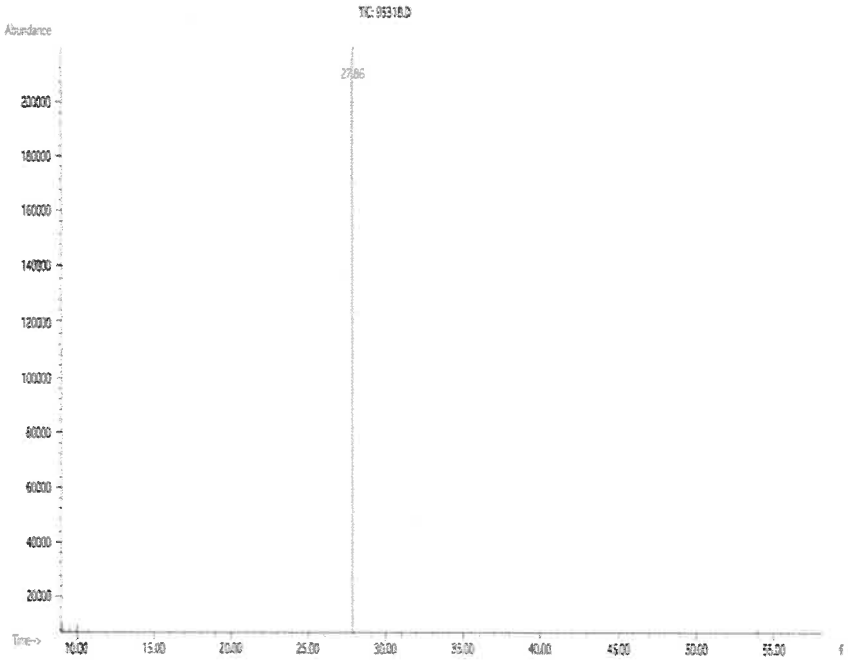
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

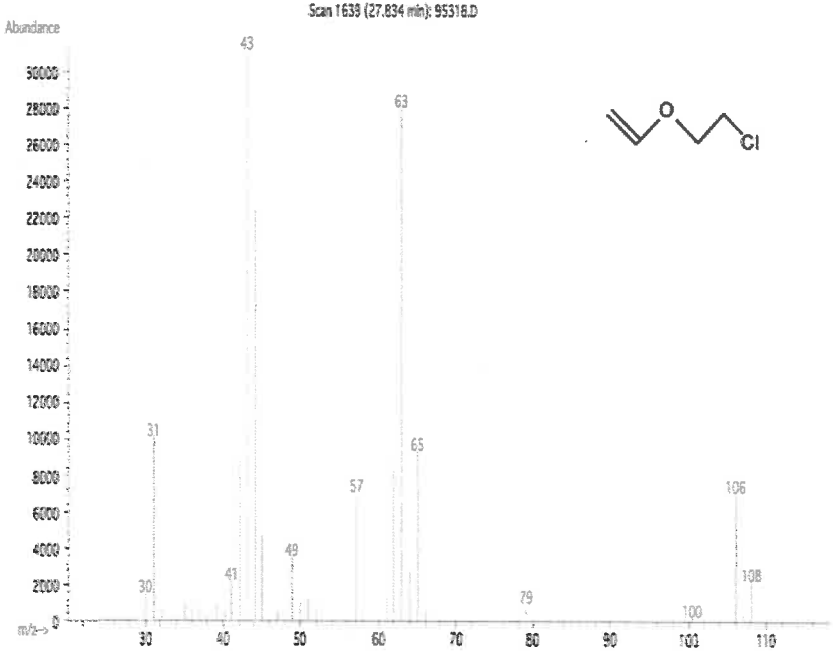
Weight(s) shown below were combined and diluted to (mL): 50.0

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

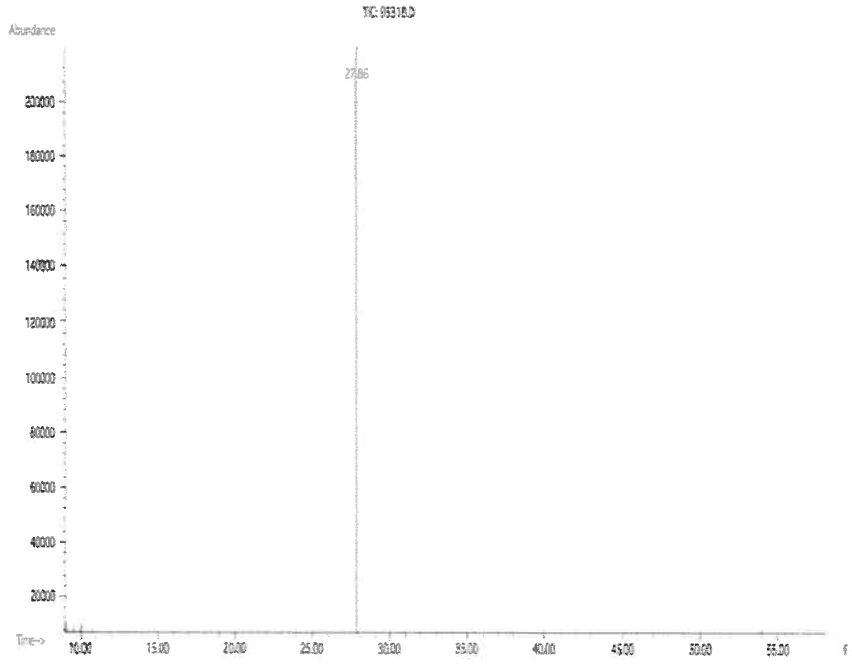
Solvent(s): Methanol **Lot#** EJ143-US

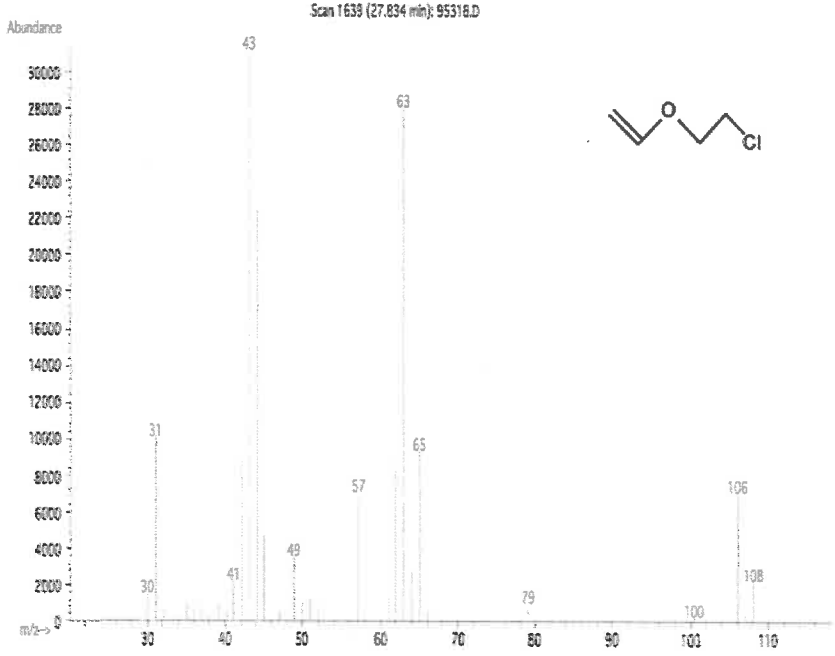
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

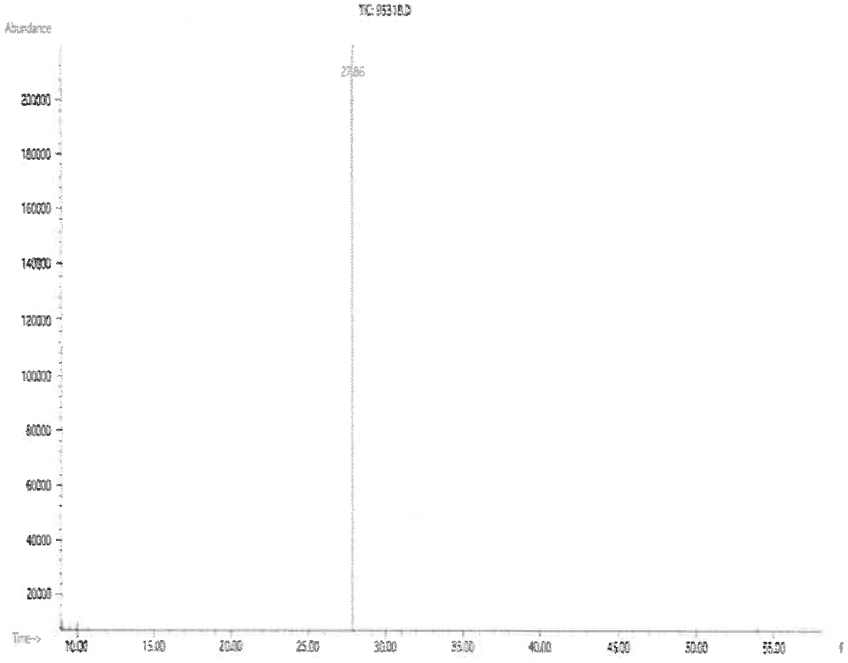
Solvent(s): Methanol **Lot#** EJ143-US

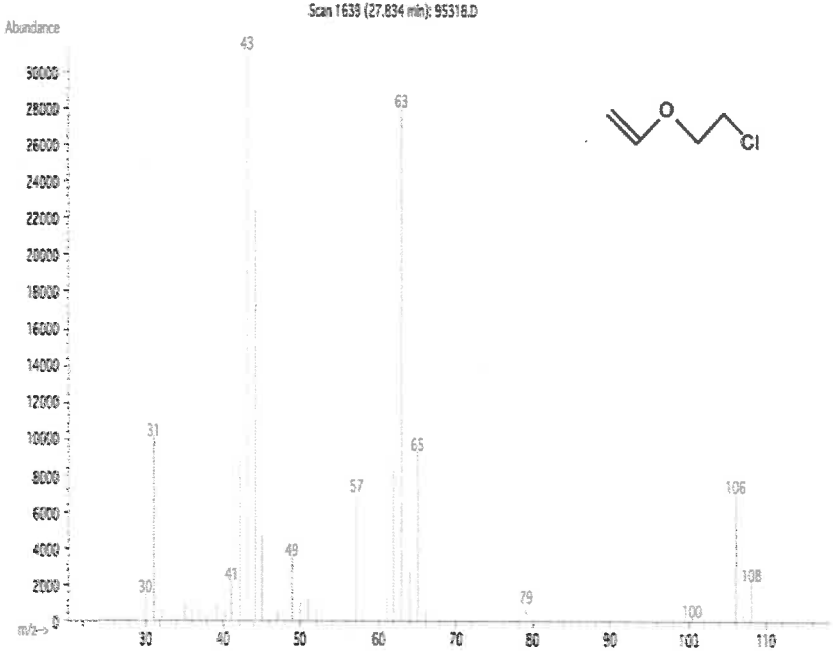
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
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Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
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EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
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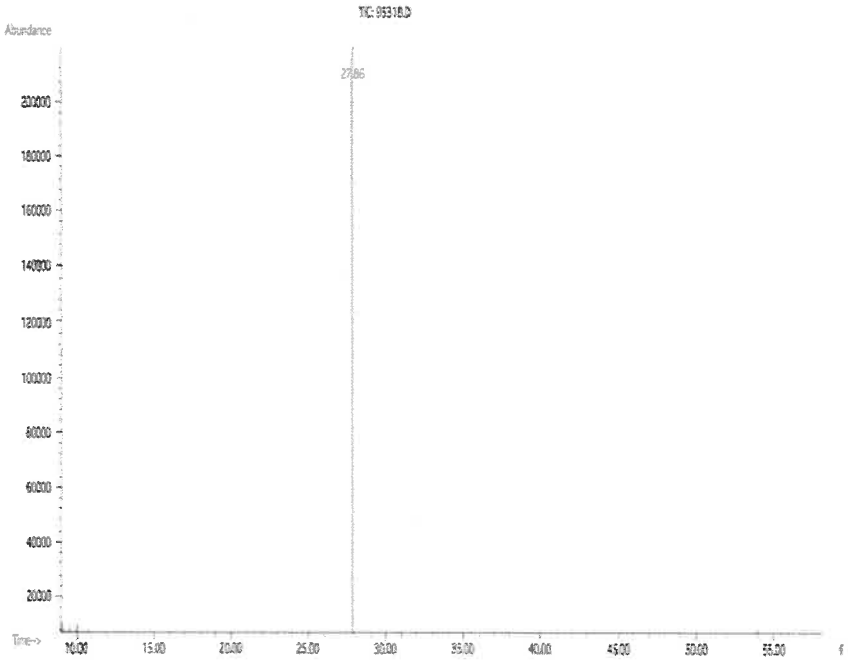
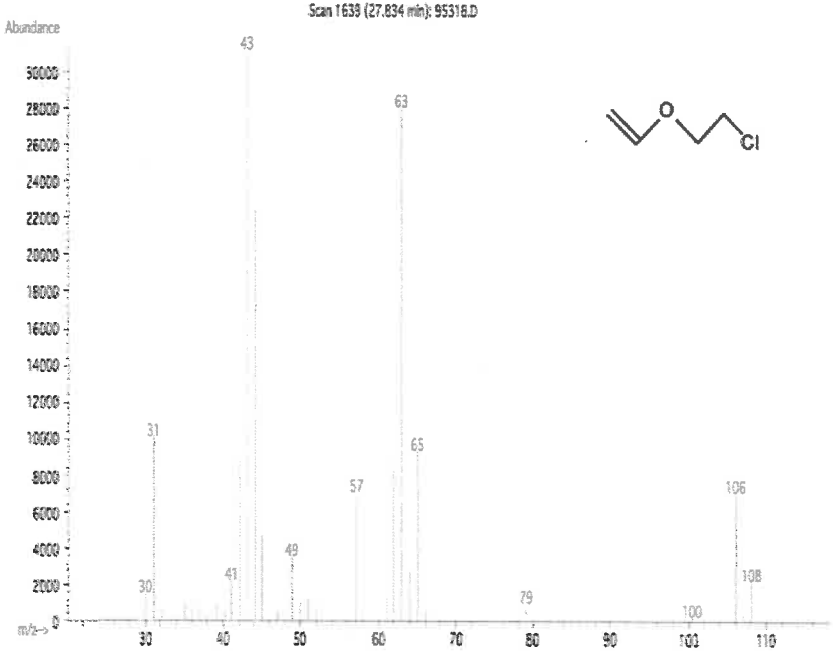
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

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In case of skin contact	Wash with soap and water. Consult a physician.
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Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

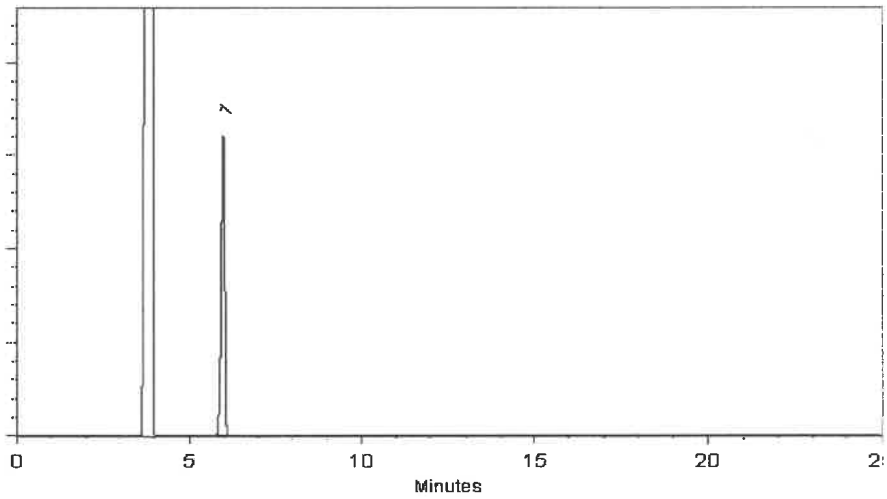
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

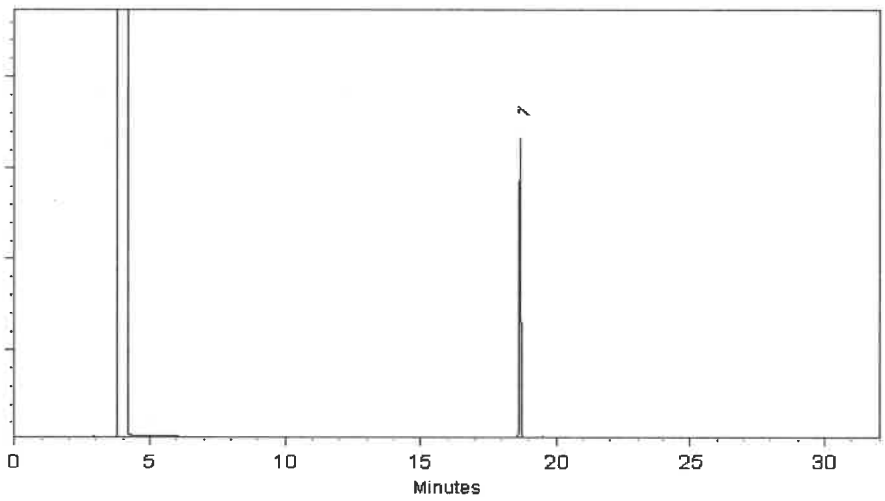
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

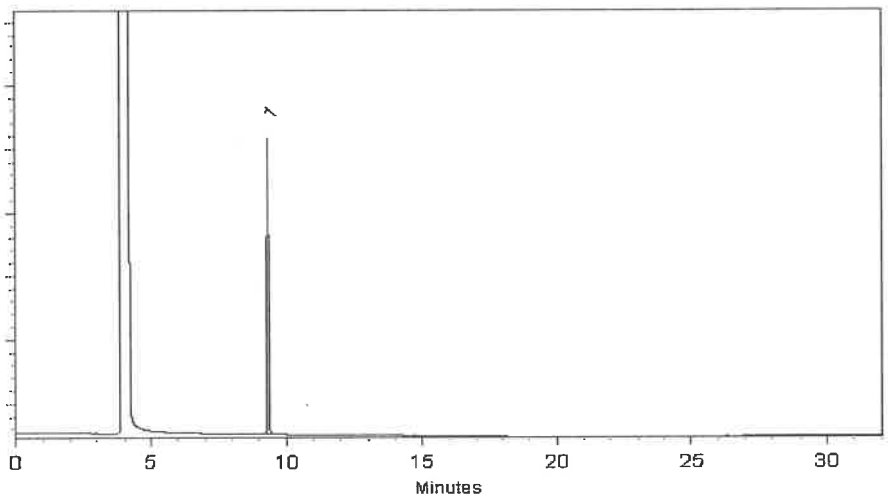
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

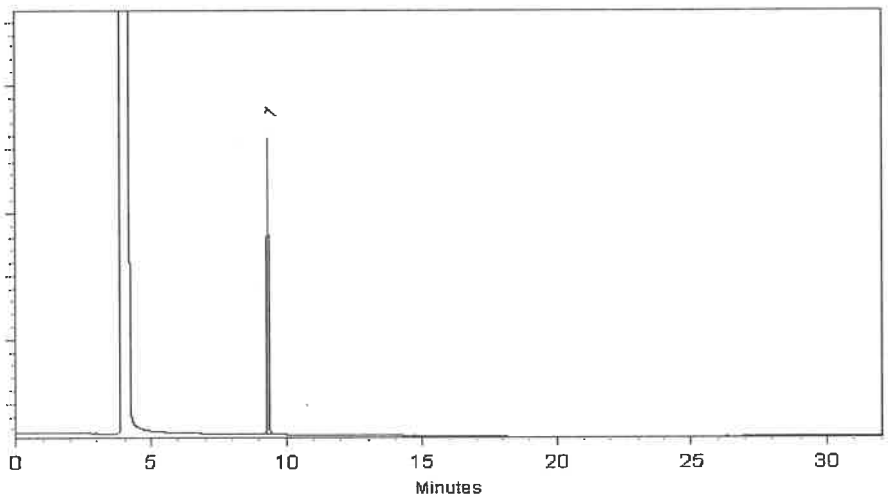
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

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Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
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Carrier Gas:
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@ 8°C/min. (hold 5 min.)

Inj. Temp:
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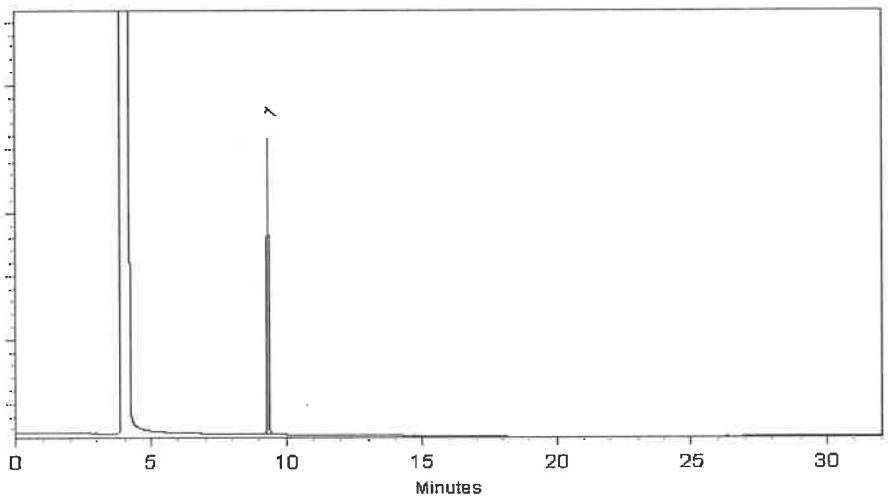
Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

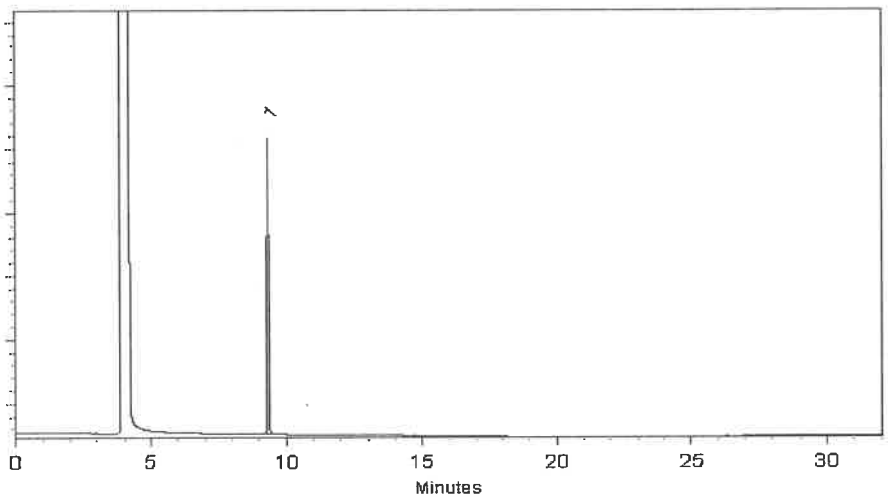
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

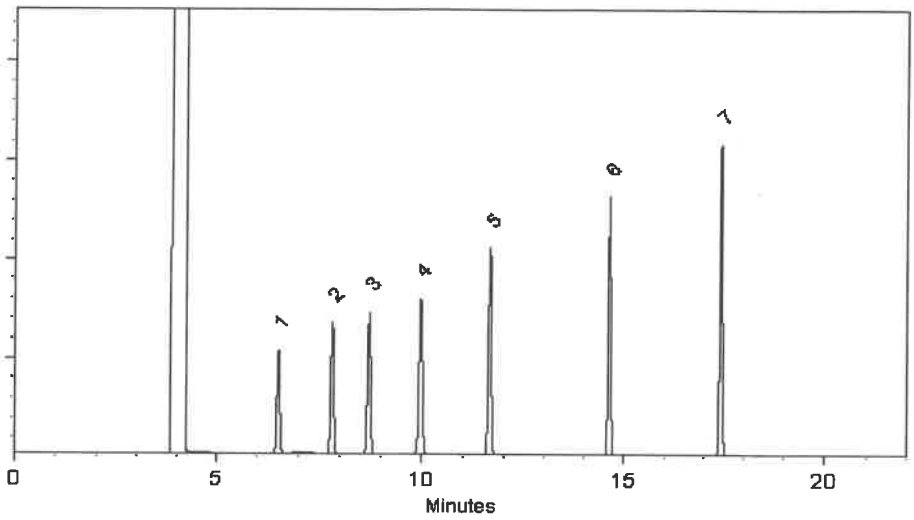
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

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Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

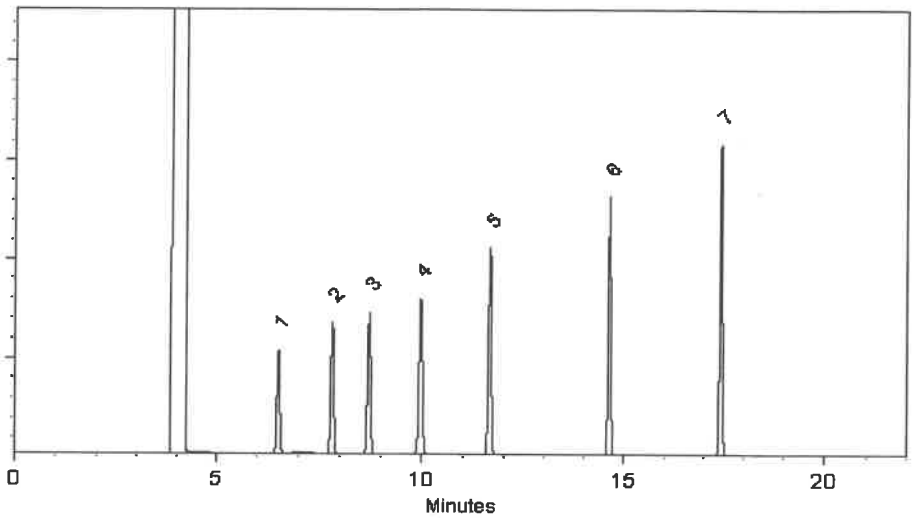
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

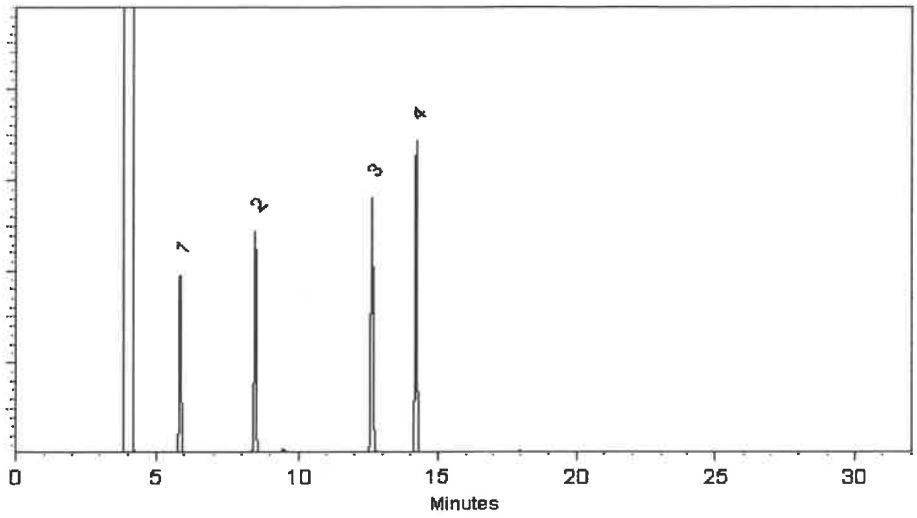
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

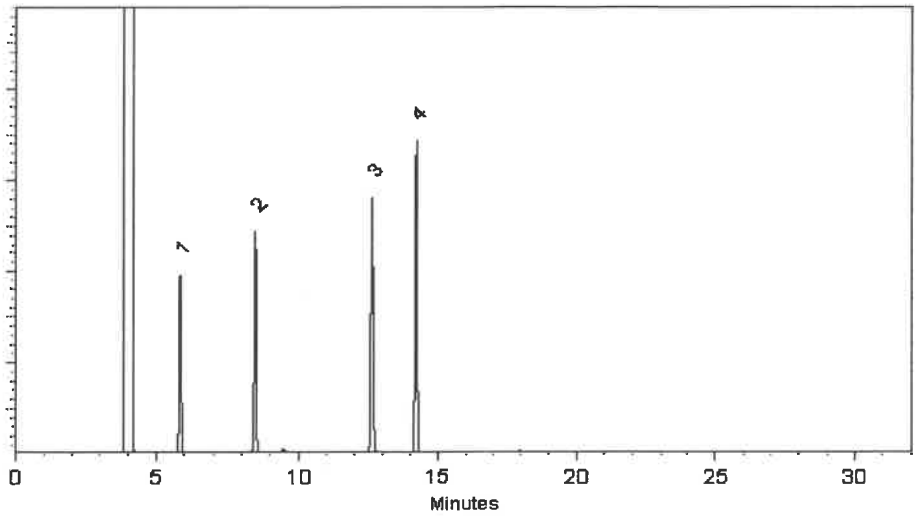
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

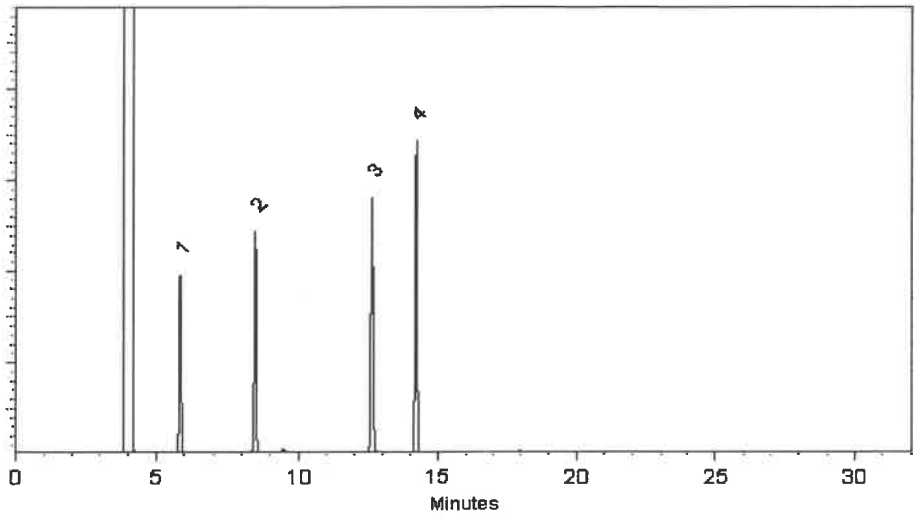
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

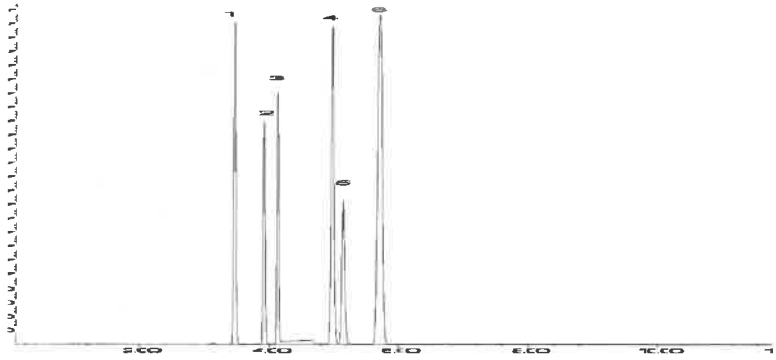
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

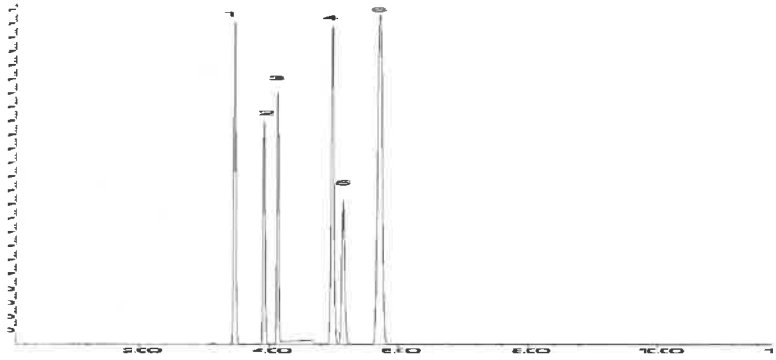
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

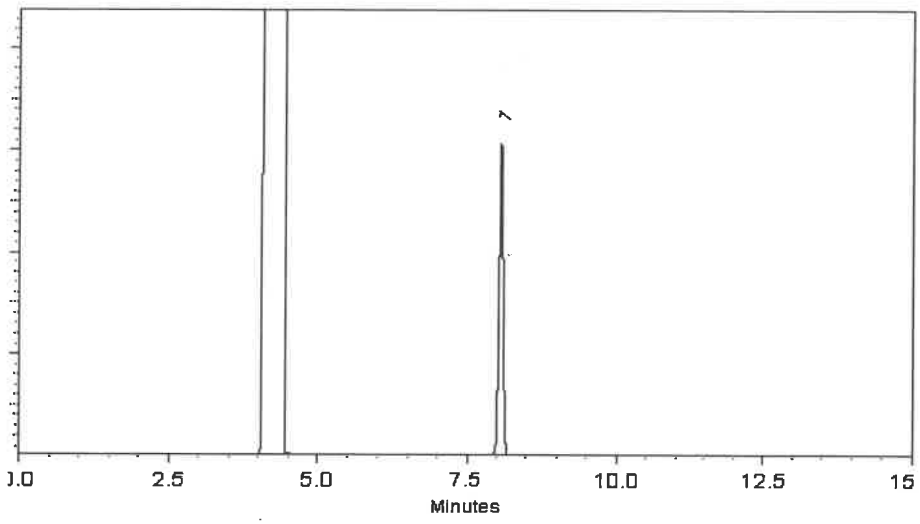
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

10 vial Rec 01/08/25

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14793 to 14802

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0220563

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,060.0 µg/mL	+/- 278.5905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

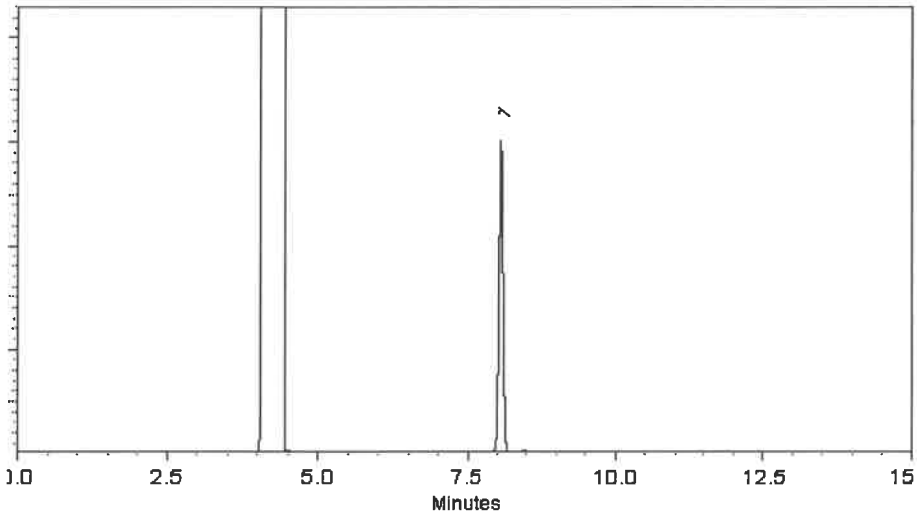
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
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Manufactured Date: 2022-10-26
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For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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

Preservation Log

BalanceID: VOA-SC-2

Review By: pedro

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)	Vial A Time	Vial B Weight(g)	Vial B Time	Vial C Weight(g) with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1380-06	5.05	12:10	5.03	12:11	5.04	12:13	V14143	02/18/2025	8260 JAR SAMPLE SAMPLE
2	Q1380-07	4.99	12:14	5.07	12:15	5.10	12:16	V14143	02/18/2025	
3	Q1380-08	5.09	12:17	5.02	12:18	4.99	12:19	V14143	02/18/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021271.D
Acq On : 20 Feb 2025 23:43
Operator : SY/MD
Sample : Q1380-07MS
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 21 05:43:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	76913	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	116618	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	94467	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	39201	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	40587	51.504	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.000%				
35) Dibromofluoromethane	7.646	113	37728	50.481	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%				
50) Toluene-d8	10.115	98	134013	47.100	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.200%				
62) 4-Bromofluorobenzene	12.414	95	40765	43.855	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.720%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	45311	66.098	ug/l		97
3) Chloromethane	2.074	50	45812	67.725	ug/l		100
4) Vinyl Chloride	2.214	62	50485	74.149	ug/l		97
5) Bromomethane	2.610	94	29083	69.111	ug/l		93
6) Chloroethane	2.751	64	31528	77.789	ug/l		97
7) Trichlorofluoromethane	3.074	101	90267	72.771	ug/l		99
8) Diethyl Ether	3.470	74	24258	62.645	ug/l		90
9) 1,1,2-Trichlorotrifluo...	3.830	101	55546	71.349	ug/l		96
10) Methyl Iodide	4.025	142	49398	57.114	ug/l		93
11) Tert butyl alcohol	4.884	59	12444	233.027	ug/l	#	91
12) 1,1-Dichloroethene	3.805	96	49166	67.043	ug/l		93
13) Acrolein	3.665	56	11368	138.243	ug/l		98
14) Allyl chloride	4.403	41	81153	65.660	ug/l		93
15) Acrylonitrile	5.080	53	55348	343.245	ug/l		98
16) Acetone	3.879	43	45549	370.641	ug/l		90
17) Carbon Disulfide	4.122	76	133453	58.033	ug/l		100
18) Methyl Acetate	4.403	43	32411	75.129	ug/l		95
19) Methyl tert-butyl Ether	5.128	73	119868	64.669	ug/l		98
20) Methylene Chloride	4.628	84	51591	67.530	ug/l		94
21) trans-1,2-Dichloroethene	5.134	96	49252	61.013	ug/l		91
22) Diisopropyl ether	6.037	45	177571	69.703	ug/l		96
23) Vinyl Acetate	5.976	43	480228	338.150	ug/l		97
24) 1,1-Dichloroethane	5.933	63	99487	66.654	ug/l		100
25) 2-Butanone	6.908	43	66481	329.203	ug/l		99
26) 2,2-Dichloropropane	6.902	77	89515	64.816	ug/l		97
27) cis-1,2-Dichloroethene	6.902	96	58397	62.850	ug/l		92
28) Bromochloromethane	7.256	49	34941	59.201	ug/l		96
29) Tetrahydrofuran	7.268	42	44331	324.414	ug/l		92
30) Chloroform	7.433	83	101444	66.169	ug/l		98
31) Cyclohexane	7.719	56	81196	60.409	ug/l		94
32) 1,1,1-Trichloroethane	7.634	97	96554	67.739	ug/l		99
36) 1,1-Dichloropropene	7.847	75	73867	66.728	ug/l		98
37) Ethyl Acetate	6.994	43	32719	67.376	ug/l		98
38) Carbon Tetrachloride	7.835	117	87730	67.826	ug/l		99
39) Methylcyclohexane	9.115	83	72789	53.757	ug/l		93
40) Benzene	8.091	78	215186	66.240	ug/l		98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021271.D
Acq On : 20 Feb 2025 23:43
Operator : SY/MD
Sample : Q1380-07MS
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 21 05:43:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	19172	68.240	ug/l		95
42) 1,2-Dichloroethane	8.170	62	61976	68.773	ug/l		97
43) Isopropyl Acetate	8.207	43	64883	67.240	ug/l		97
44) Trichloroethene	8.872	130	51366	61.201	ug/l		95
45) 1,2-Dichloropropane	9.152	63	52124	67.601	ug/l		100
46) Dibromomethane	9.243	93	28370	66.453	ug/l		97
47) Bromodichloromethane	9.432	83	76897	67.161	ug/l		98
48) Methyl methacrylate	9.231	41	29410	66.911	ug/l		91
49) 1,4-Dioxane	9.243	88	5261	1323.764	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.005	43	161538	332.905	ug/l		95
52) Toluene	10.182	92	128421	62.958	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	65157	63.377	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	74737	61.397	ug/l	#	90
55) 1,1,2-Trichloroethane	10.579	97	37800	68.375	ug/l		97
56) Ethyl methacrylate	10.444	69	46866	63.370	ug/l		87
57) 1,3-Dichloropropane	10.725	76	65496	68.447	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	3906	11.101	ug/l		97
59) 2-Hexanone	10.768	43	102181	327.057	ug/l		93
60) Dibromochloromethane	10.920	129	49938	64.323	ug/l		99
61) 1,2-Dibromoethane	11.024	107	33096	63.914	ug/l		100
64) Tetrachloroethene	10.658	164	42092	60.022	ug/l		96
65) Chlorobenzene	11.450	112	128853	61.257	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.524	131	49839	66.673	ug/l		97
67) Ethyl Benzene	11.530	91	226825	60.967	ug/l		99
68) m/p-Xylenes	11.633	106	164941	118.507	ug/l		97
69) o-Xylene	11.962	106	79391	61.181	ug/l		97
70) Styrene	11.975	104	89450	41.359	ug/l		92
71) Bromoform	12.139	173	27322	65.665	ug/l	#	97
73) Isopropylbenzene	12.261	105	198421	64.798	ug/l		100
74) N-amyl acetate	12.078	43	51302	76.630	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.511	83	40696	79.910	ug/l		97
76) 1,2,3-Trichloropropane	12.566	75	25613m	72.027	ug/l		
77) Bromobenzene	12.542	156	45754	64.749	ug/l		98
78) n-propylbenzene	12.603	91	216304	59.298	ug/l		99
79) 2-Chlorotoluene	12.688	91	125770	60.199	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	138094	55.622	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	12745	73.132	ug/l		92
82) 4-Chlorotoluene	12.785	91	123820	58.169	ug/l		99
83) tert-Butylbenzene	13.005	119	126842	56.208	ug/l		96
84) 1,2,4-Trimethylbenzene	13.054	105	136863	56.380	ug/l		99
85) sec-Butylbenzene	13.182	105	159919	49.230	ug/l		99
86) p-Isopropyltoluene	13.298	119	125252	46.418	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	68365	50.105	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	69053	51.400	ug/l		99
89) n-Butylbenzene	13.627	91	92670	37.645	ug/l		98
90) Hexachloroethane	13.889	117	28323	50.314	ug/l		89
91) 1,2-Dichlorobenzene	13.669	146	63563	53.674	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5243	68.893	ug/l		94
93) 1,2,4-Trichlorobenzene	14.931	180	15625	23.704	ug/l		98
94) Hexachlorobutadiene	15.035	225	8481	19.415	ug/l		97
95) Naphthalene	15.157	128	38060	36.089	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	13833	25.216	ug/l		98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021271.D
Acq On : 20 Feb 2025 23:43
Operator : SY/MD
Sample : Q1380-07MS
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 21 05:43:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

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

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

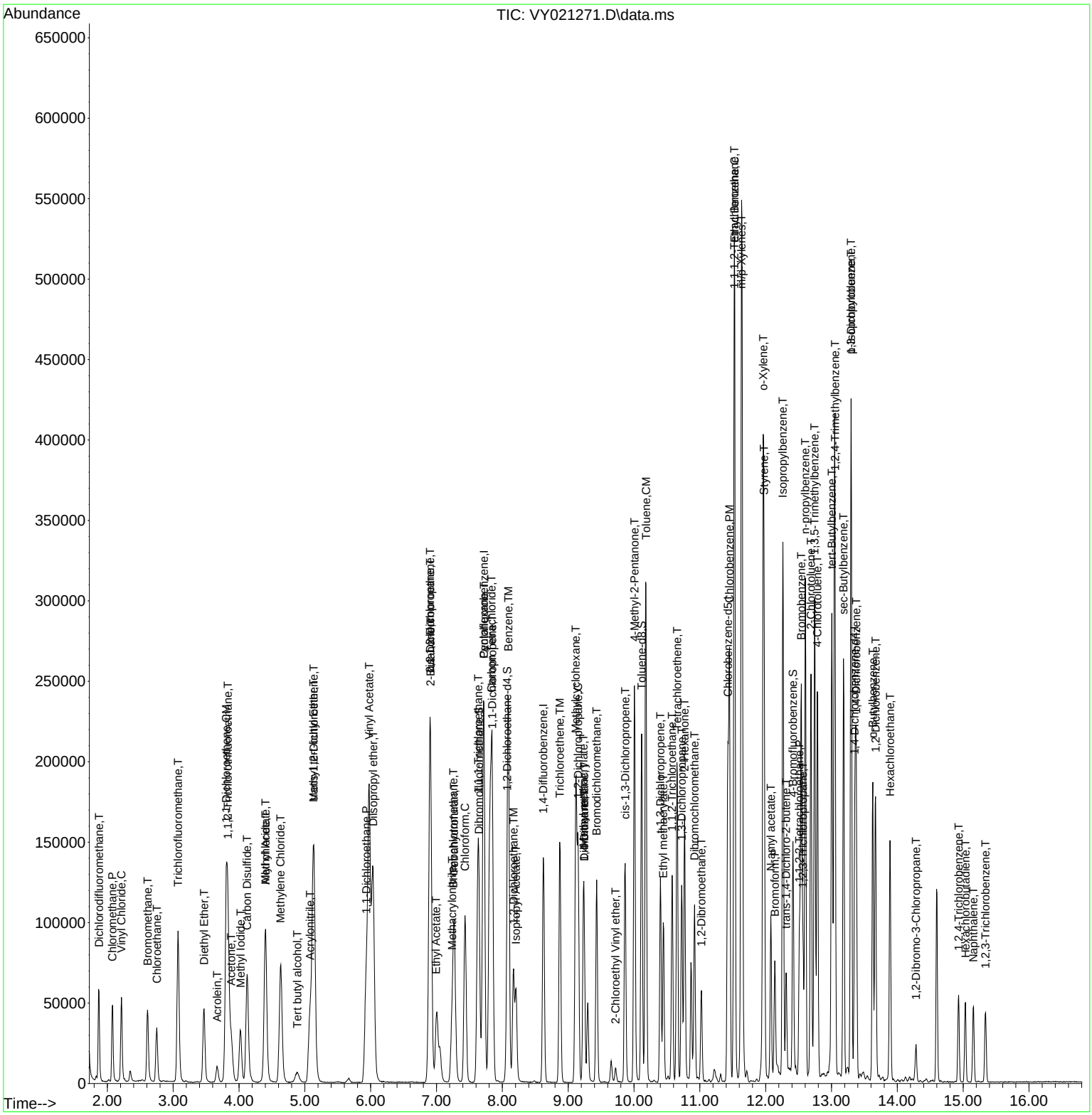
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021271.D
Acq On : 20 Feb 2025 23:43
Operator : SY/MD
Sample : Q1380-07MS
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

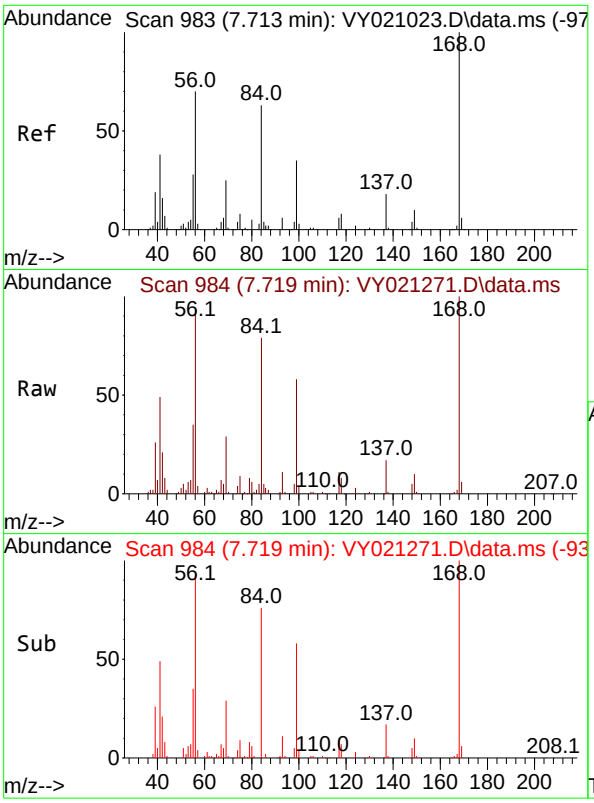
Quant Time: Feb 21 05:43:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

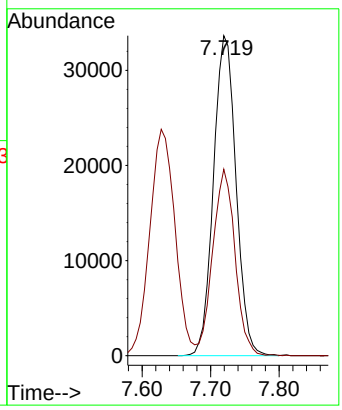




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:168 Resp: 7691

Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
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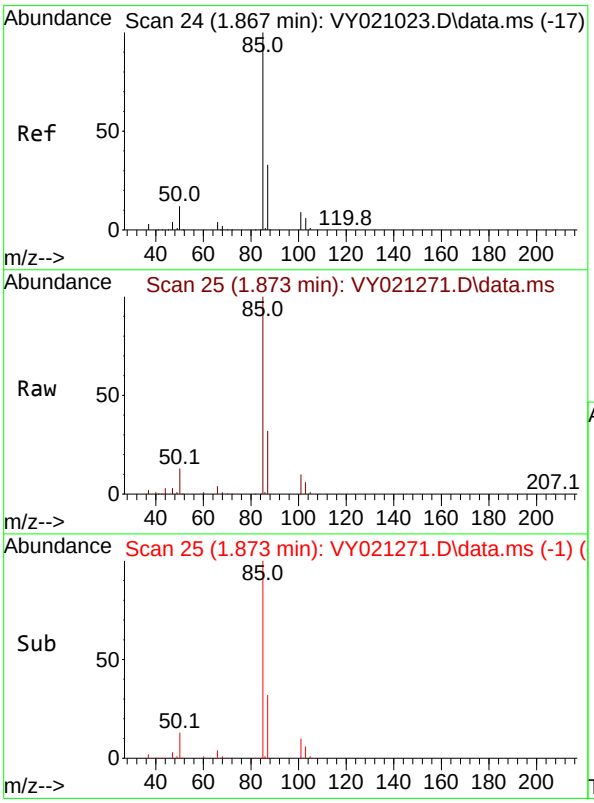
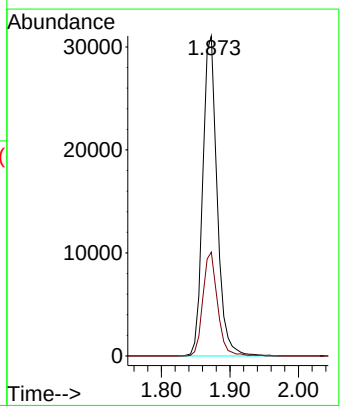
Supervised By :Semsettin Yesilyurt 02/21/2025

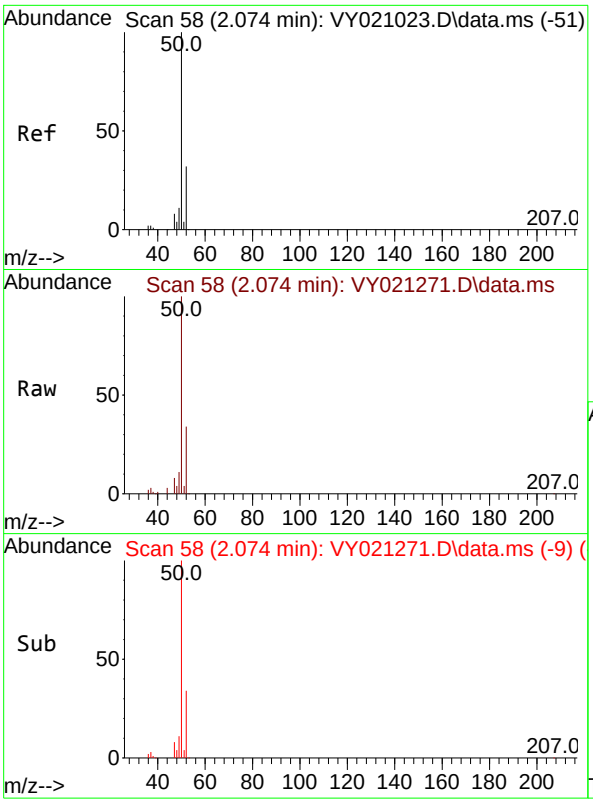


#2
Dichlorodifluoromethane
Concen: 66.098 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 85 Resp: 45311

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.1	51.3

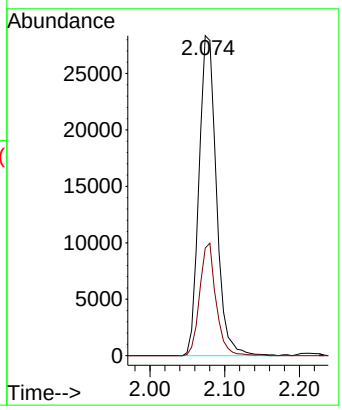




#3
Chloromethane
Concen: 67.725 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 50 Resp: 4581

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.7	40.1



Instrument :
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ClientSampleId :
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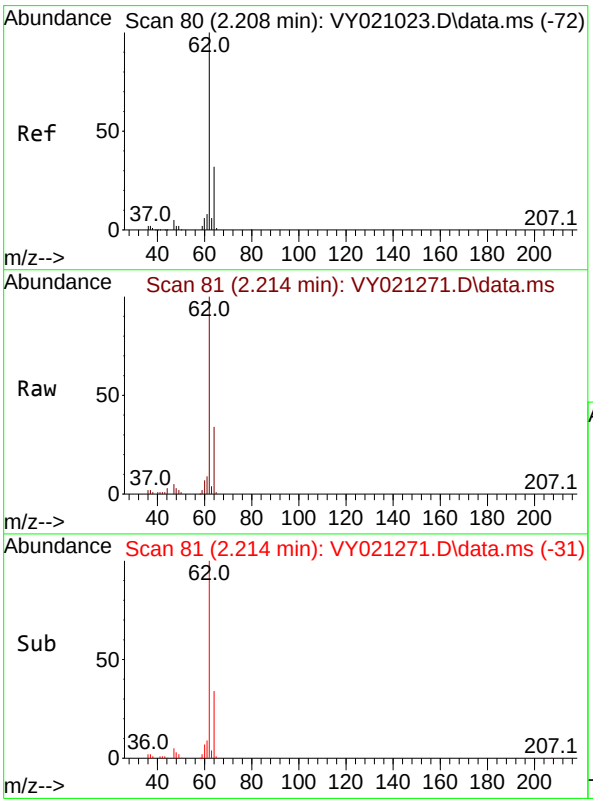
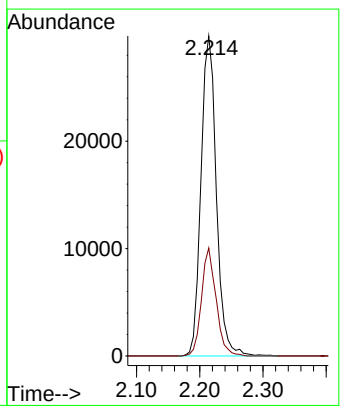
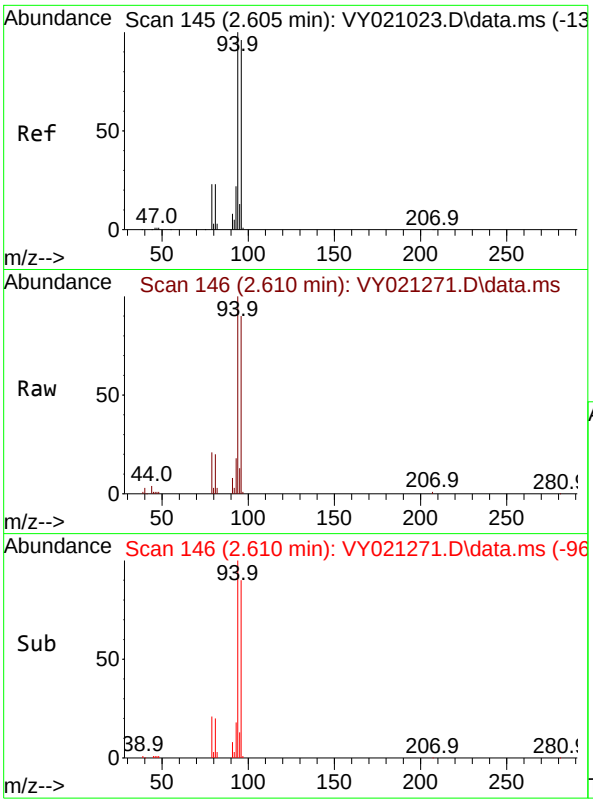


#4
Vinyl Chloride
Concen: 74.149 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 62 Resp: 50485

Ion	Ratio	Lower	Upper
62	100		
64	33.7	25.7	38.5





#5
Bromomethane
Concen: 69.111 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 94 Resp: 2908

Ion	Ratio	Lower	Upper
94	100		
96	89.6	77.3	115.9

Instrument :
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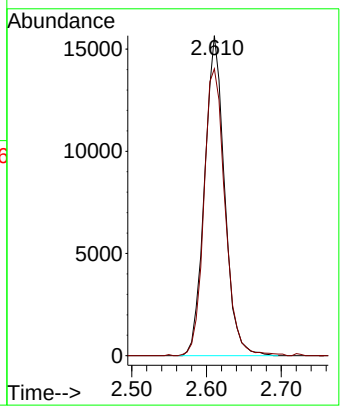
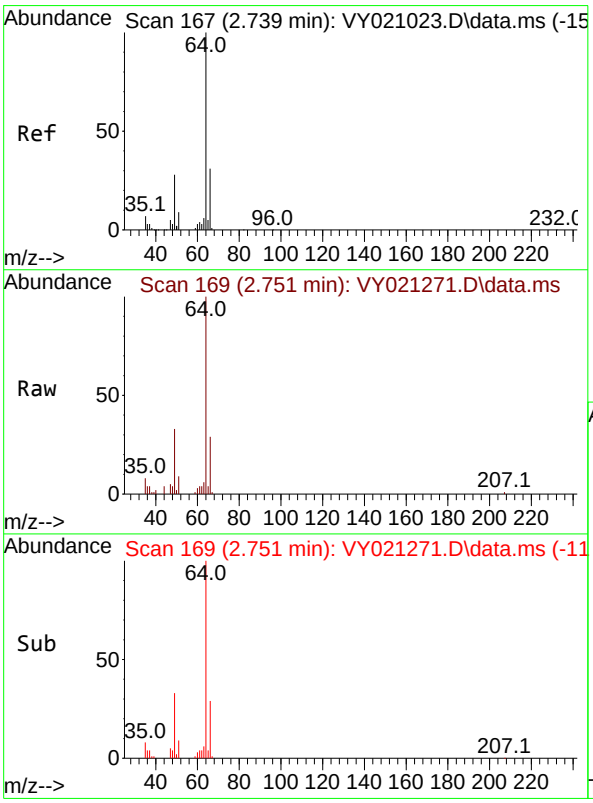
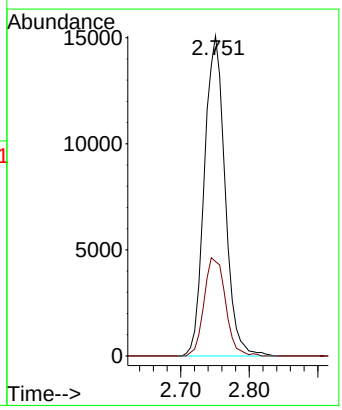


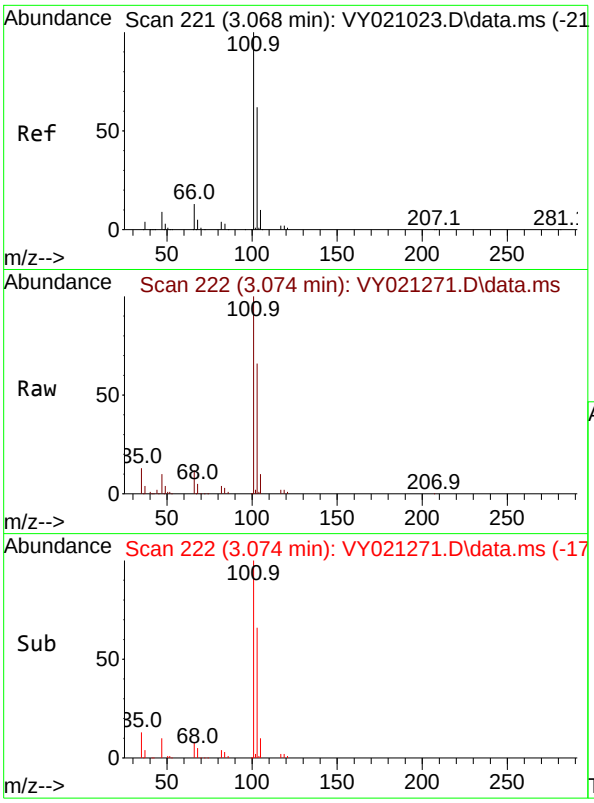


#6
Chloroethane
Concen: 77.789 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 64 Resp: 31528

Ion	Ratio	Lower	Upper
64	100		
66	29.5	25.1	37.7

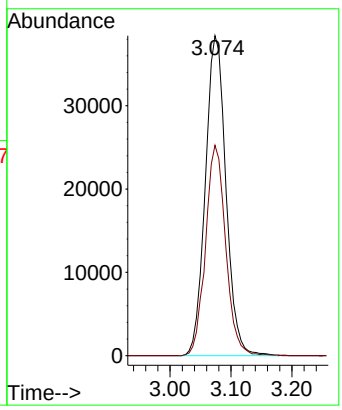




#7
Trichlorofluoromethane
Concen: 72.771 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:101 Resp: 9026

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.9	77.9



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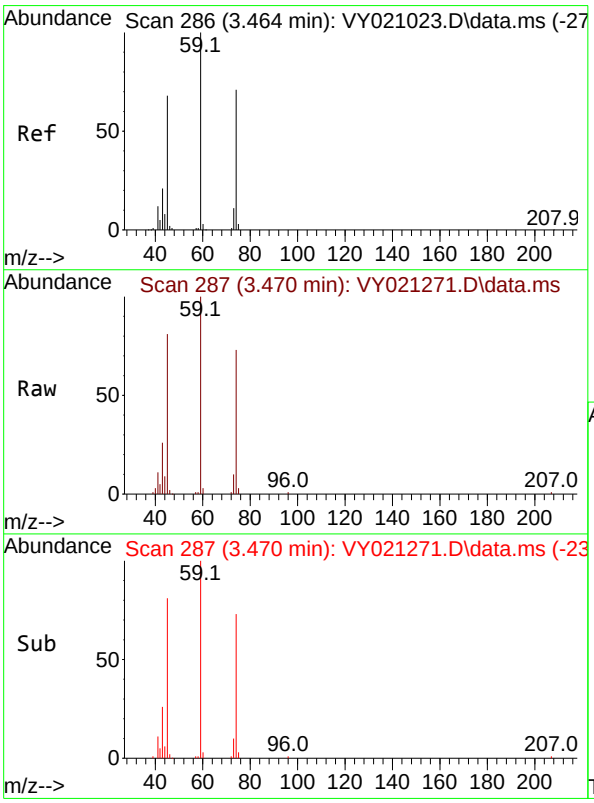
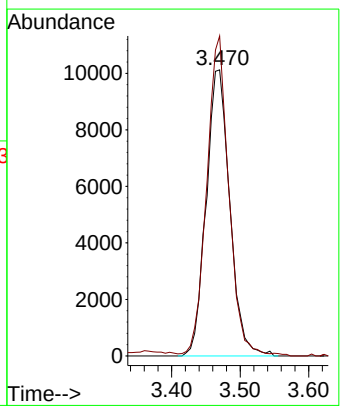
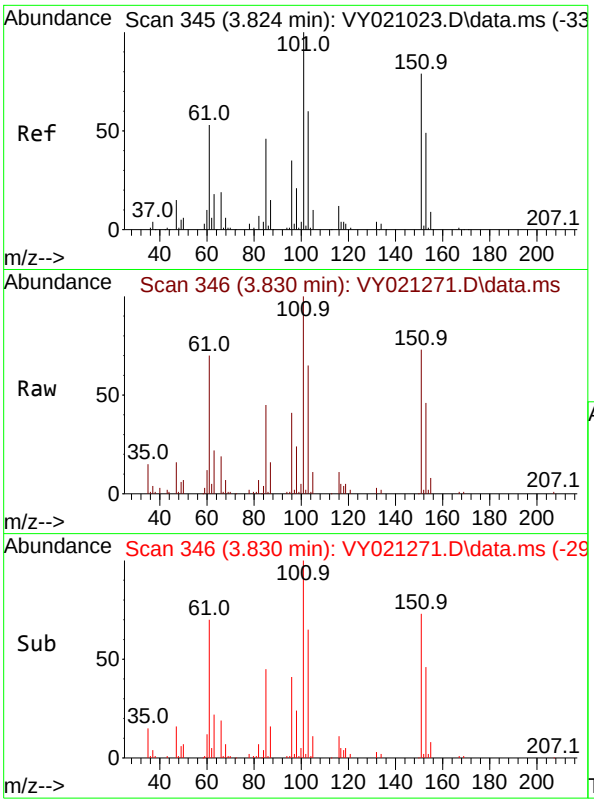


#8
Diethyl Ether
Concen: 62.645 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 74 Resp: 24258

Ion	Ratio	Lower	Upper
74	100		
45	105.2	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 71.349 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:101 Resp: 5554

Ion	Ratio	Lower	Upper
101	100		
85	46.7	35.8	53.6
151	76.7	58.6	88.0

Instrument :
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ClientSampleId :
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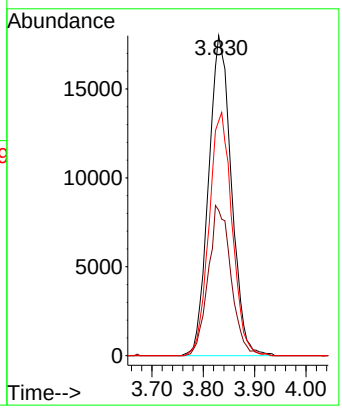
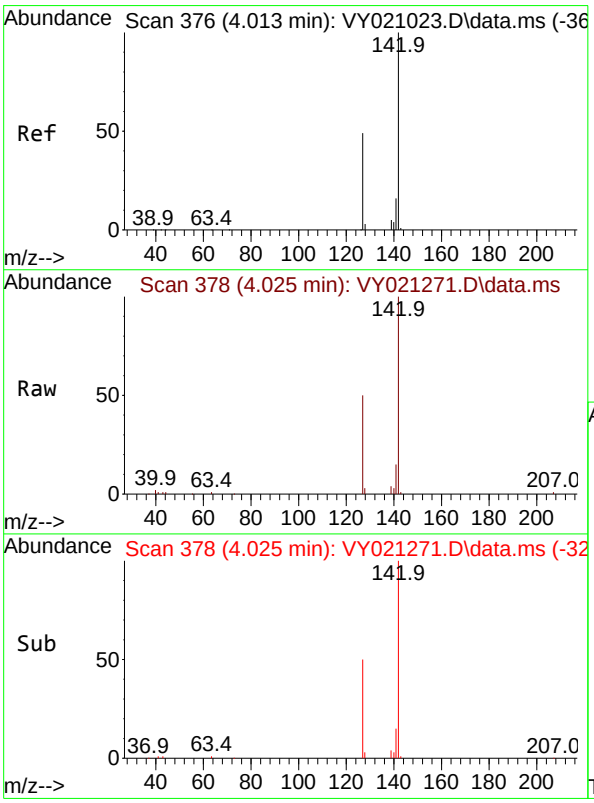
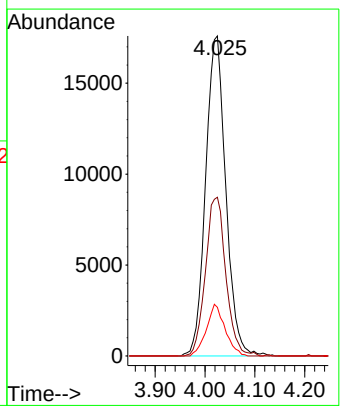


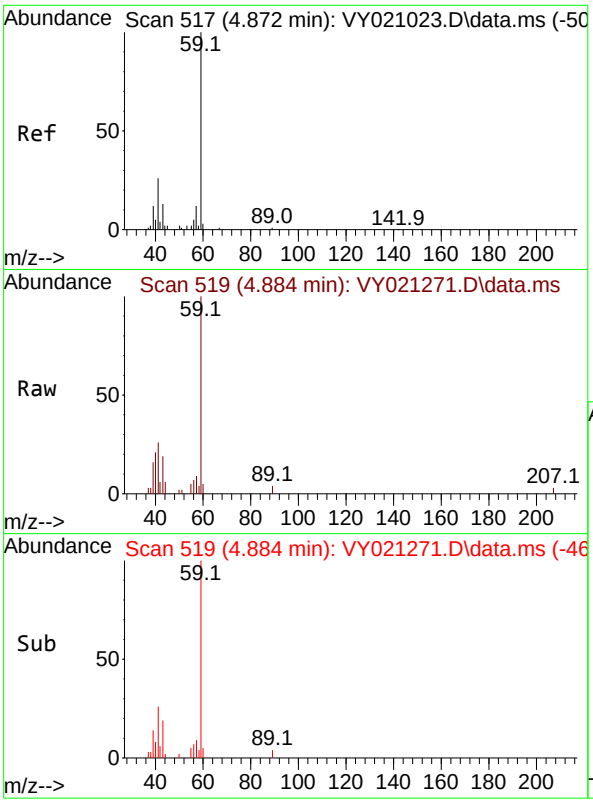


#10
Methyl Iodide
Concen: 57.114 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:142 Resp: 49398

Ion	Ratio	Lower	Upper
142	100		
127	50.2	35.1	52.7
141	15.0	11.8	17.6

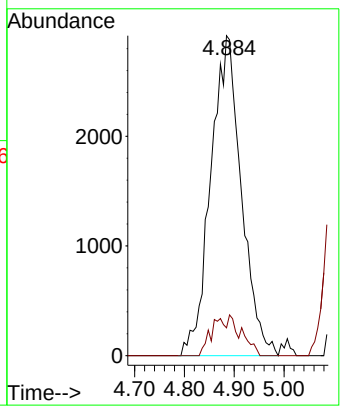




#11
Tert butyl alcohol
Concen: 233.027 ug/l
RT: 4.884 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 59 Resp: 1244

Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
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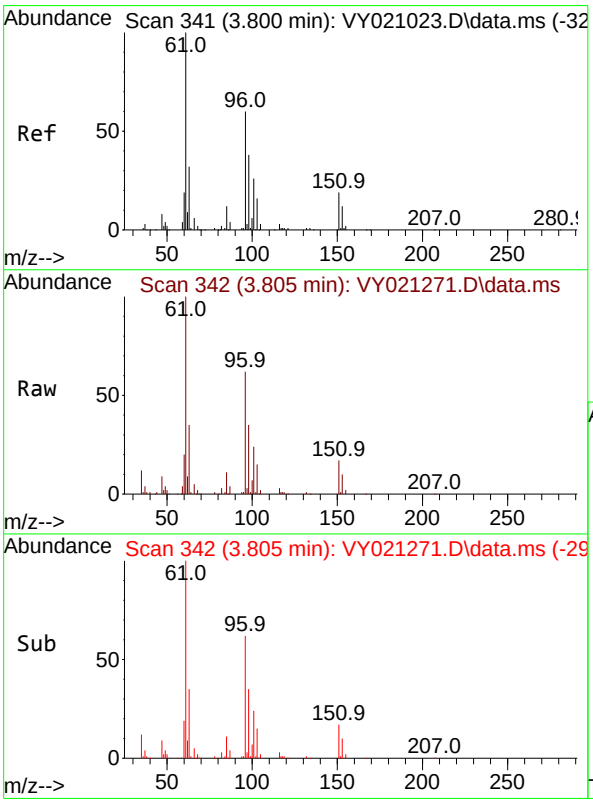
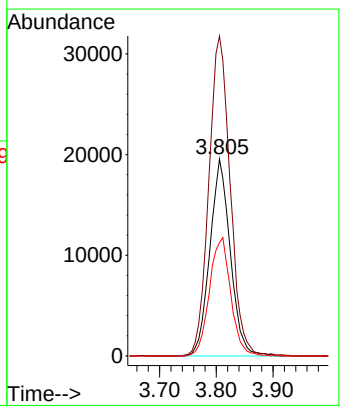
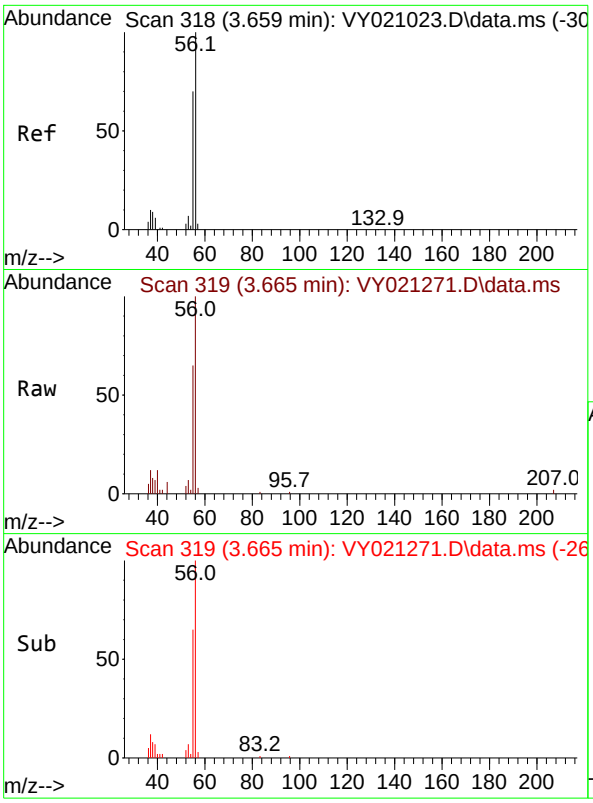


#12
1,1-Dichloroethene
Concen: 67.043 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 96 Resp: 49166

Ion	Ratio	Lower	Upper
96	100		
61	162.5	124.2	186.2
98	57.6	52.6	79.0

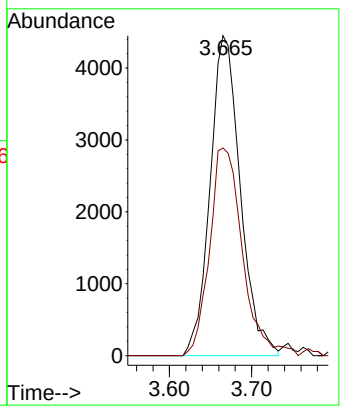




#13
Acrolein
Concen: 138.243 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 56 Resp: 1136

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.4	83.0



Instrument :
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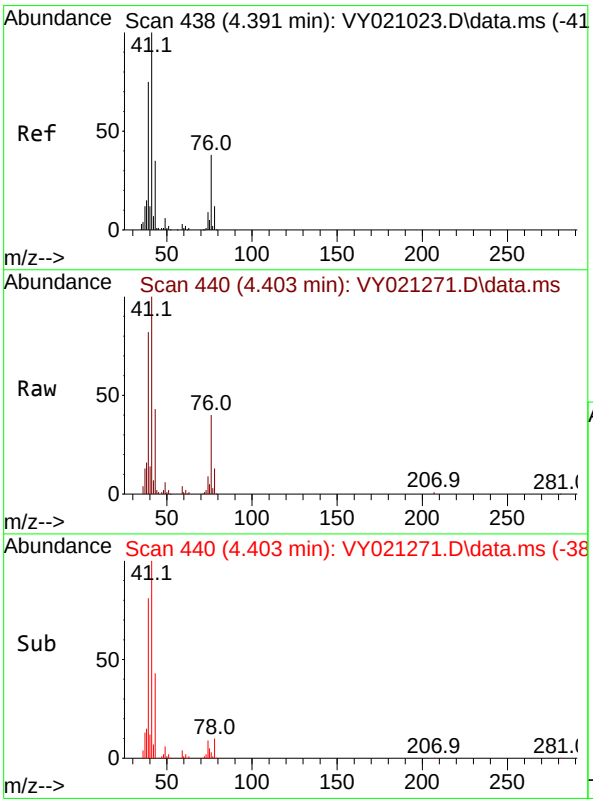
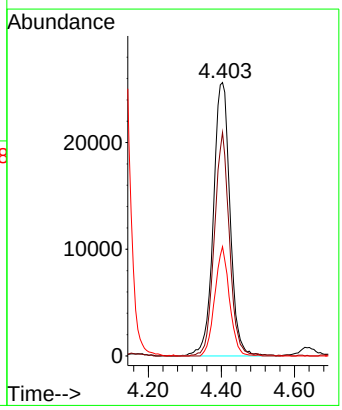
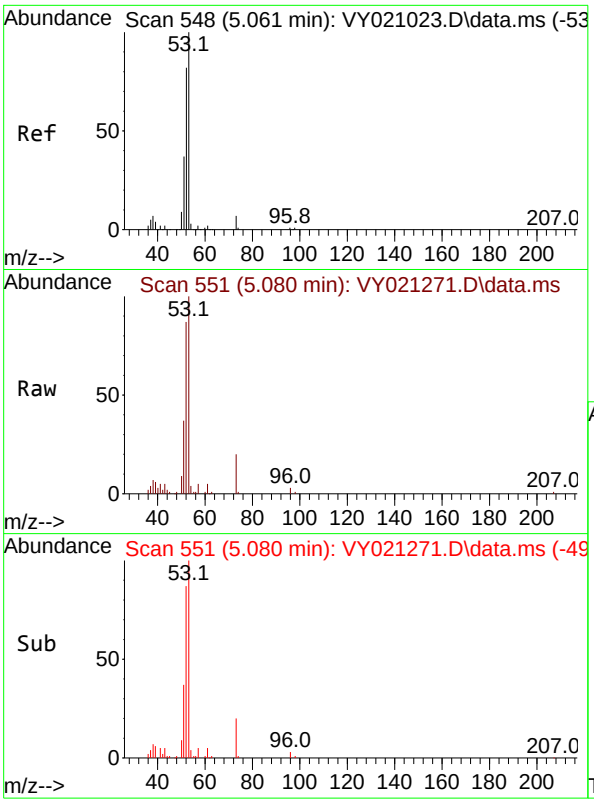


#14
Allyl chloride
Concen: 65.660 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 41 Resp: 81153

Ion	Ratio	Lower	Upper
41	100		
39	73.8	54.7	82.1
76	35.3	31.8	47.6





#15
Acrylonitrile
Concen: 343.245 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 53 Resp: 5534

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.1	97.7
51	37.9	29.0	43.4

Instrument :
MSVOA_Y
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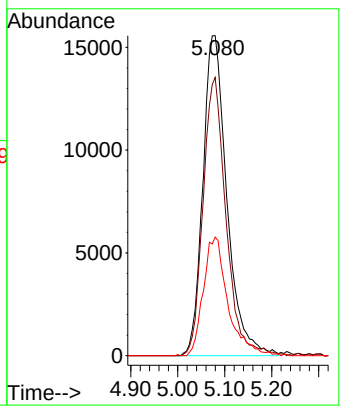
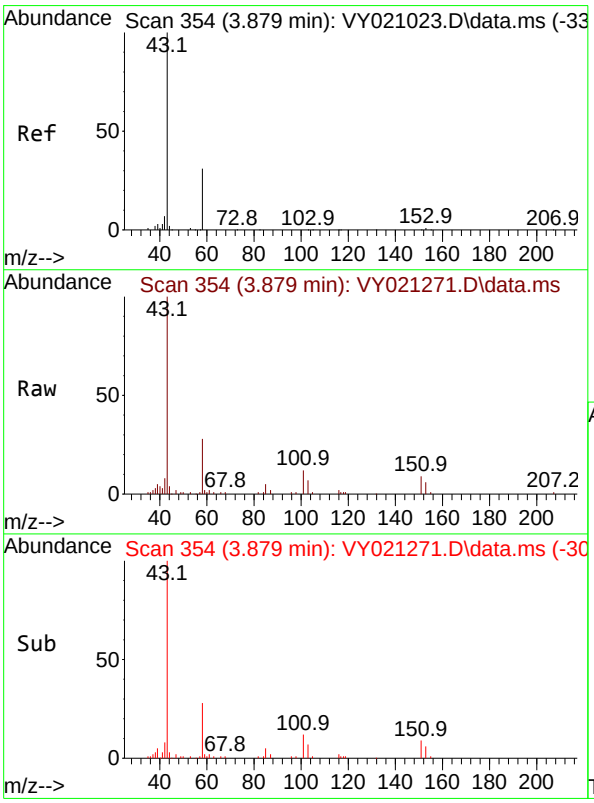
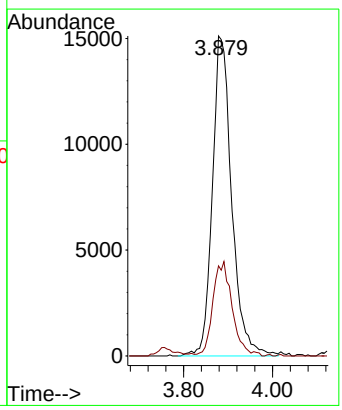


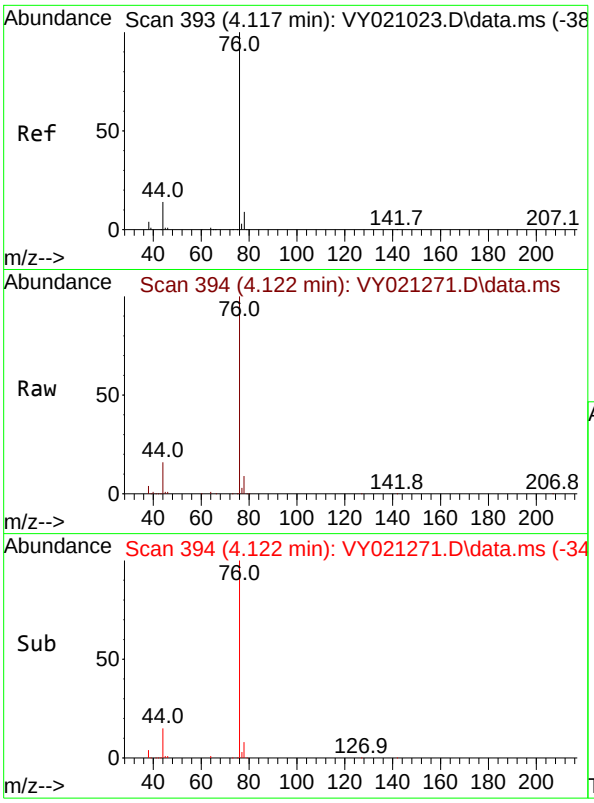


#16
Acetone
Concen: 370.641 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 45549

Ion	Ratio	Lower	Upper
43	100		
58	27.8	26.6	39.8

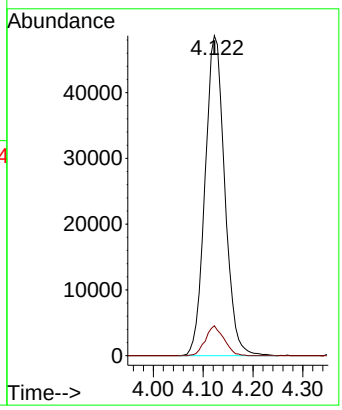




#17
Carbon Disulfide
Concen: 58.033 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 76 Resp: 13345

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
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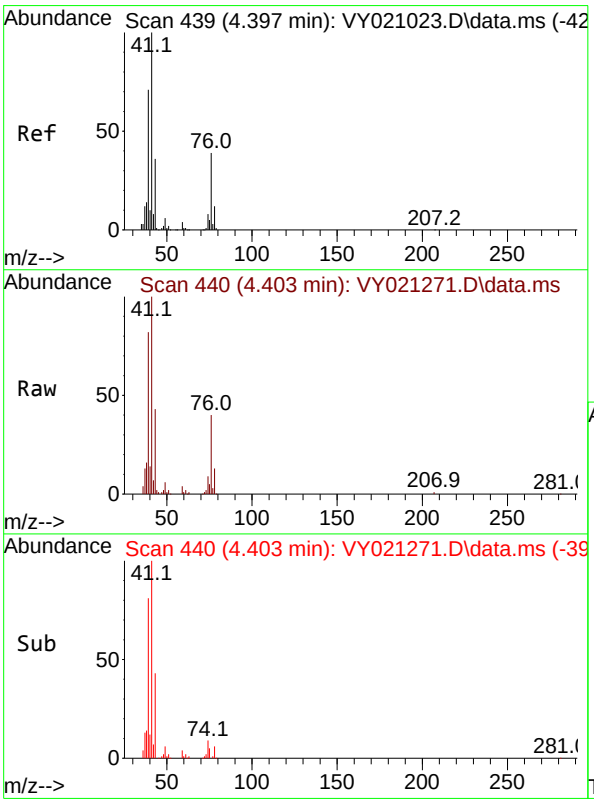
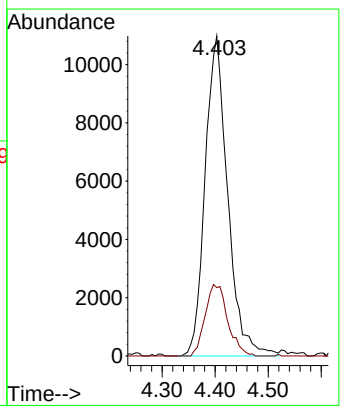
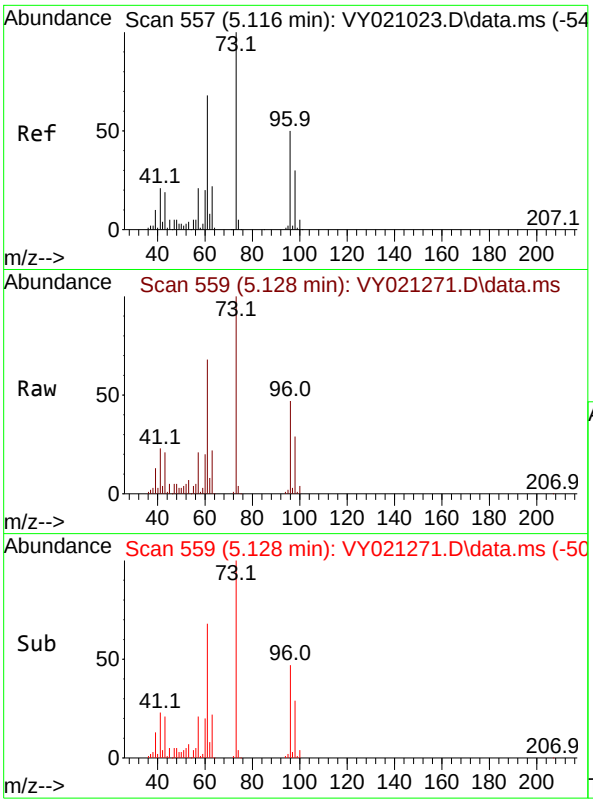


#18
Methyl Acetate
Concen: 75.129 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 32411

Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.8	29.6

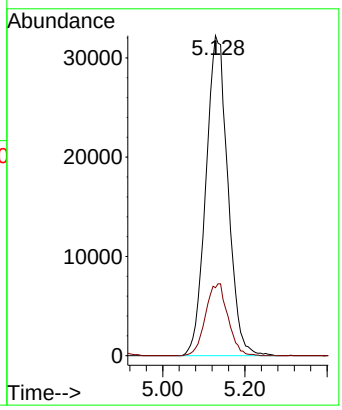




#19
Methyl tert-butyl Ether
Concen: 64.669 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 73 Resp: 11986

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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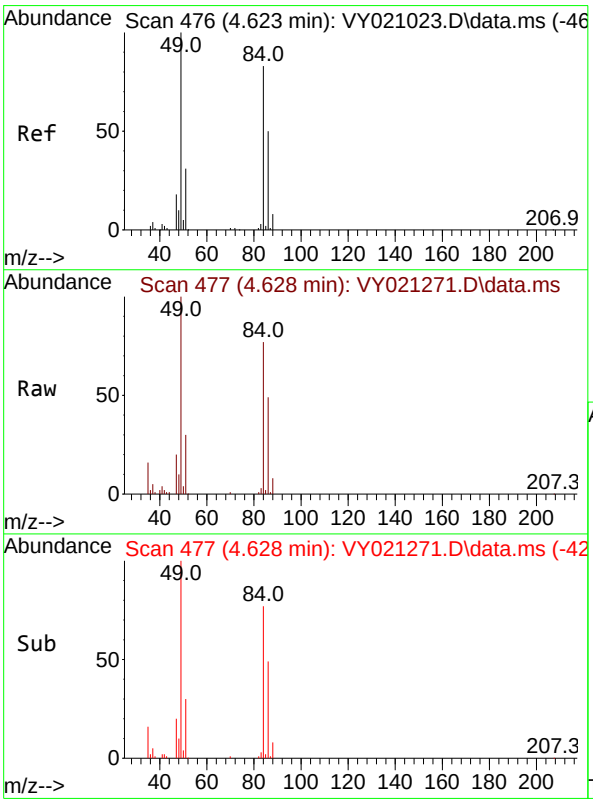
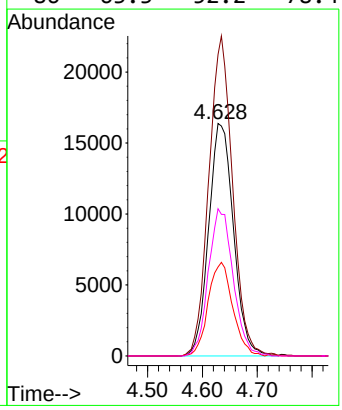
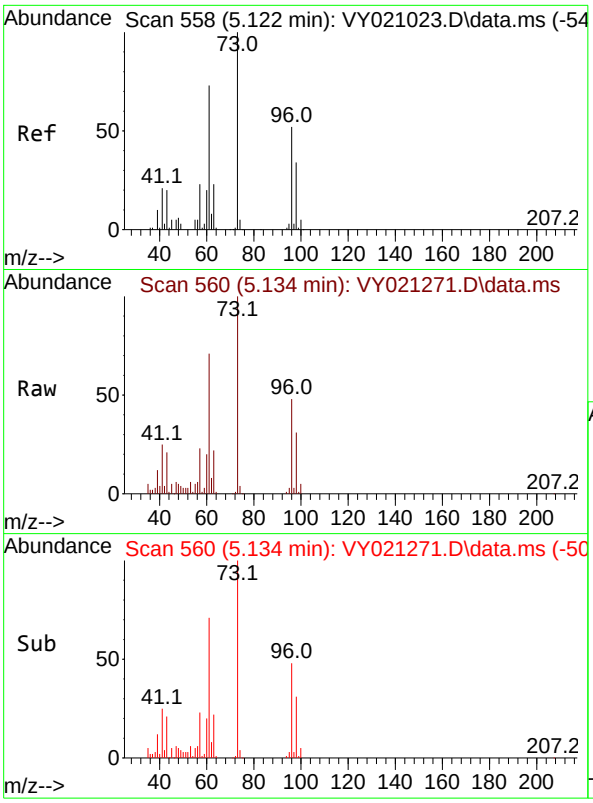


#20
Methylene Chloride
Concen: 67.530 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 84 Resp: 51591

Ion	Ratio	Lower	Upper
84	100		
49	129.6	95.2	142.8
51	38.3	29.9	44.9
86	63.3	52.2	78.4

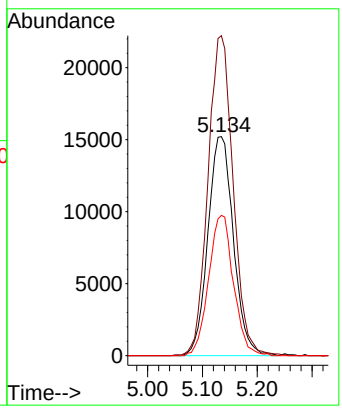




#21
trans-1,2-Dichloroethene
Concen: 61.013 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 96 Resp: 4925

Ion	Ratio	Lower	Upper
96	100		
61	145.7	104.6	156.8
98	64.0	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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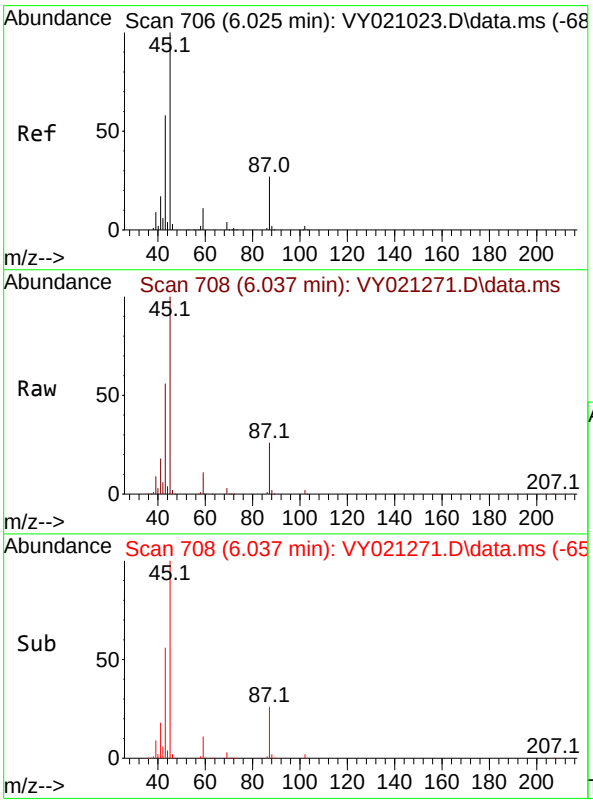
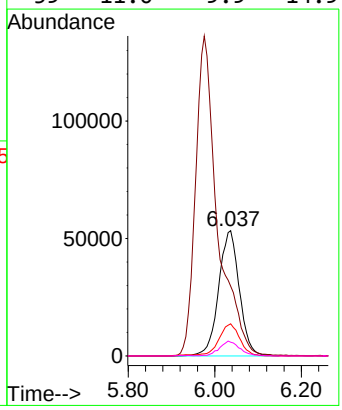
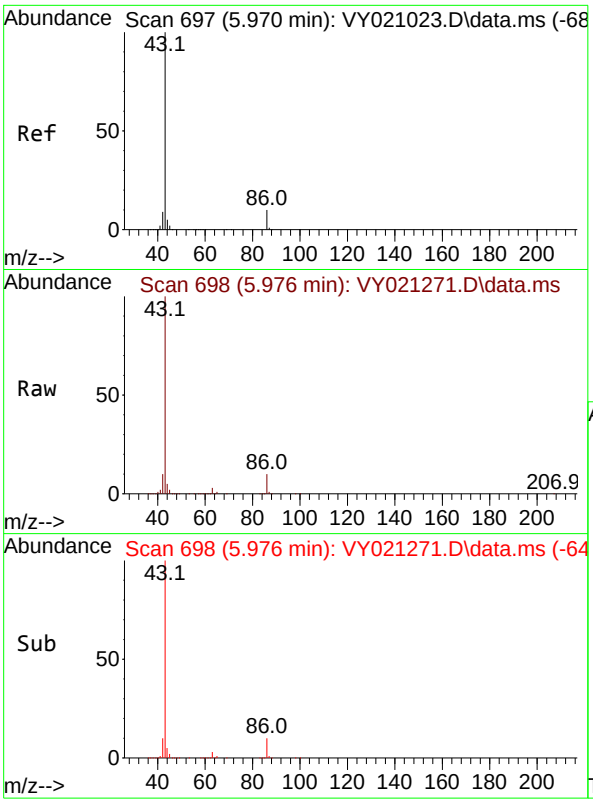


#22
Diisopropyl ether
Concen: 69.703 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 45 Resp: 177571

Ion	Ratio	Lower	Upper
45	100		
43	55.1	46.8	70.2
87	25.7	22.2	33.2
59	11.0	9.9	14.9





#23
Vinyl Acetate
Concen: 338.150 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 48022

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.6	13.0

Instrument :
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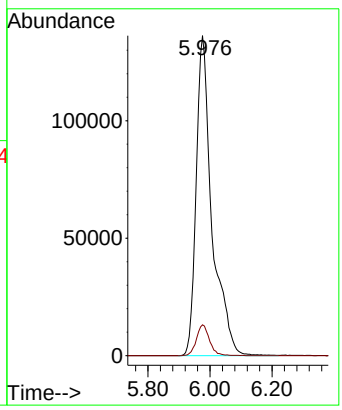
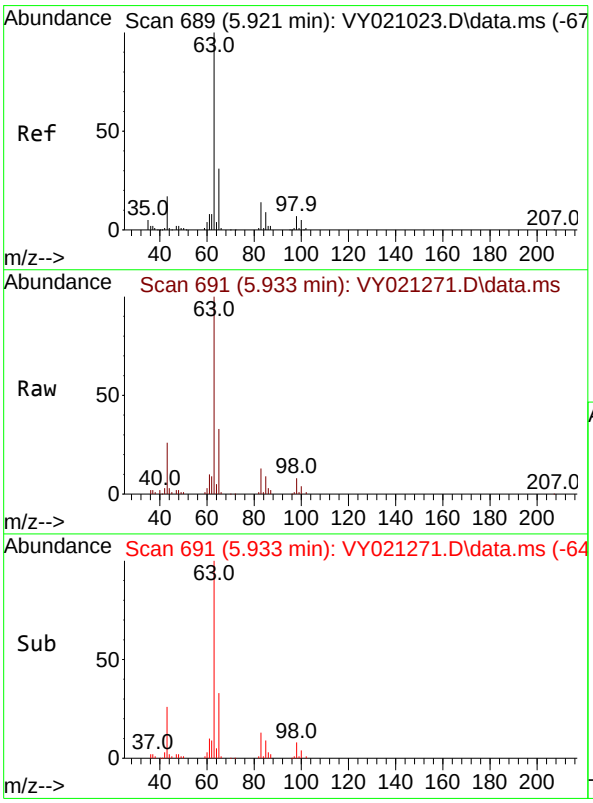
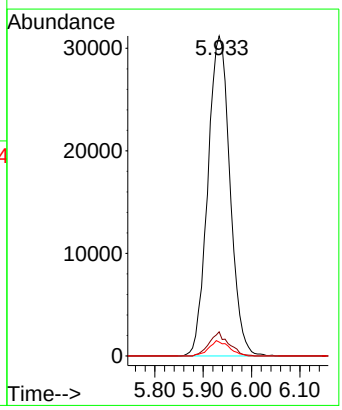


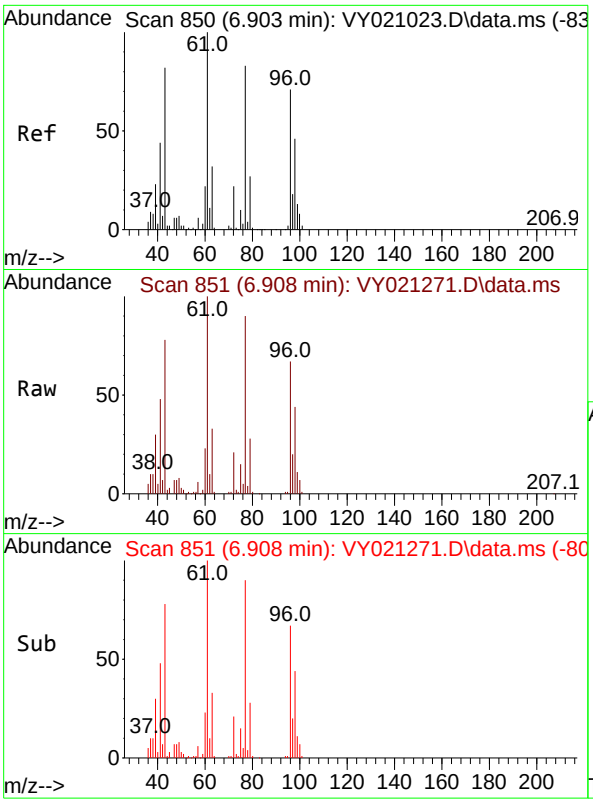


#24
1,1-Dichloroethane
Concen: 66.654 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 63 Resp: 99487

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.4
100	4.4	2.1	6.2





#25
2-Butanone
Concen: 329.203 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 6648

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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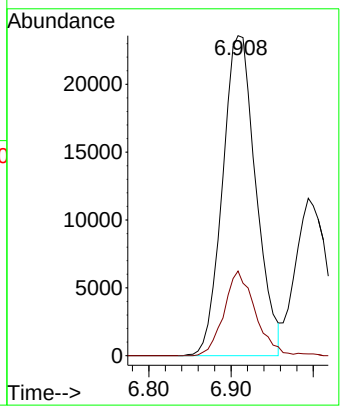
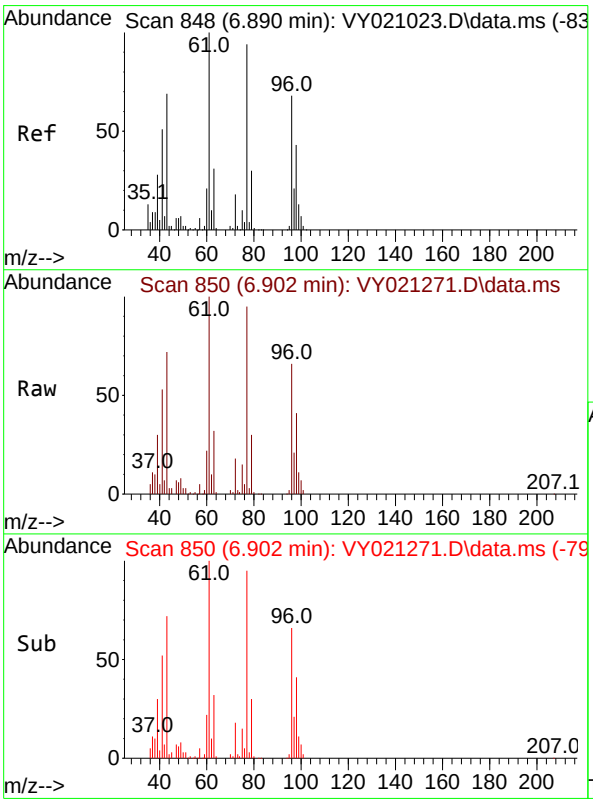
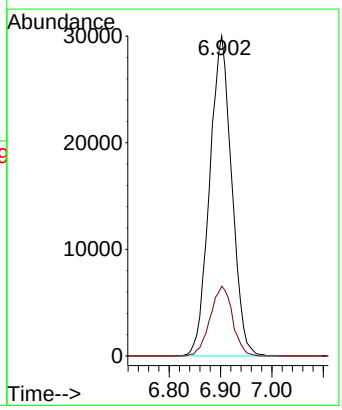


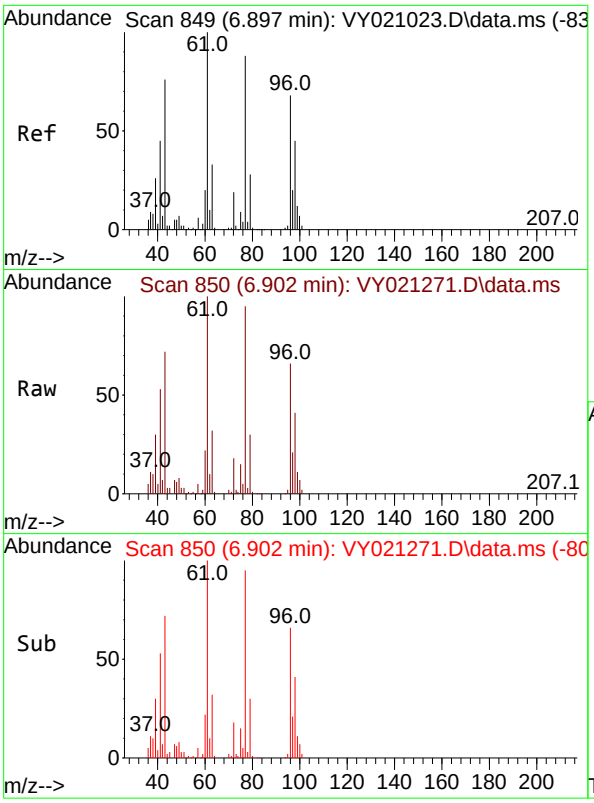


#26
2,2-Dichloropropane
Concen: 64.816 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 77 Resp: 89515

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.7	35.0

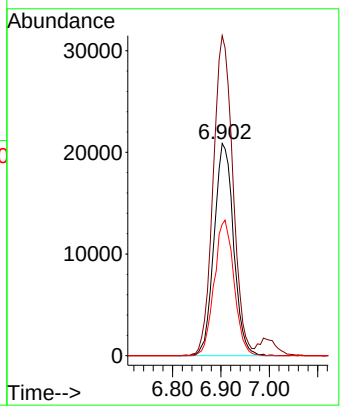




#27
cis-1,2-Dichloroethene
Concen: 62.850 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 96 Resp: 5839

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	278.8
98	64.8	0.0	127.0



Instrument :
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ClientSampleId :
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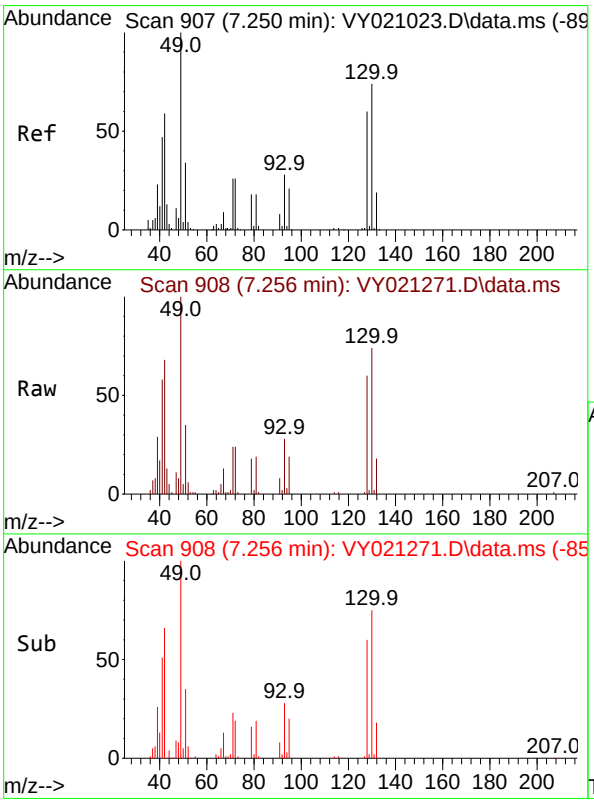
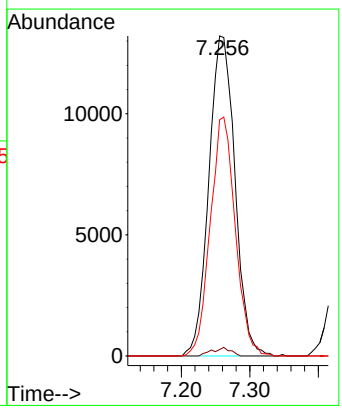
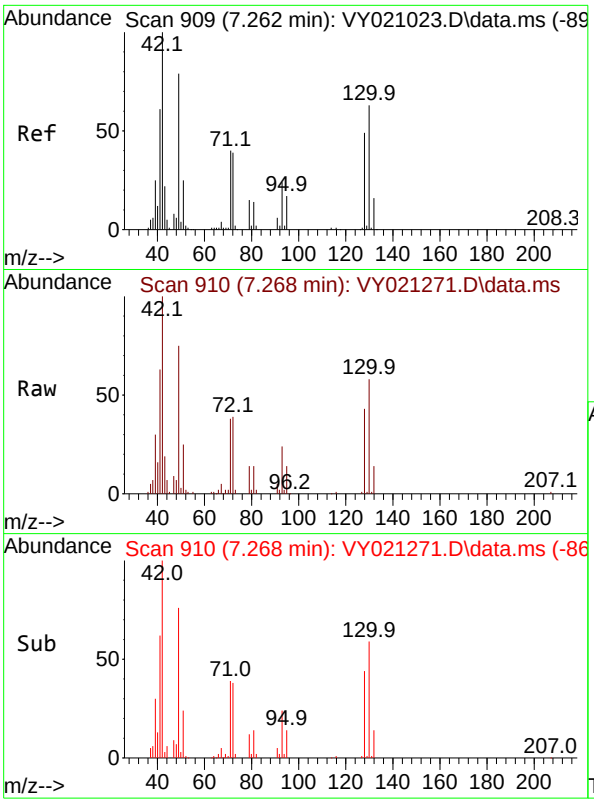


#28
Bromochloromethane
Concen: 59.201 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 49 Resp: 34941

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.6	59.8	89.8

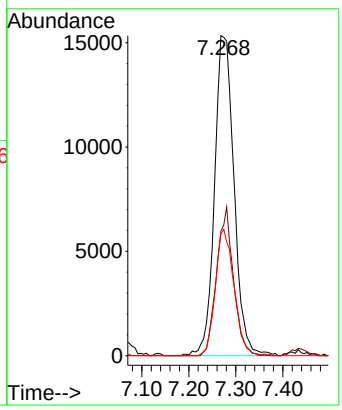




#29
Tetrahydrofuran
Concen: 324.414 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 42 Resp: 4433

Ion	Ratio	Lower	Upper
42	100		
72	40.1	36.6	54.8
71	37.5	33.8	50.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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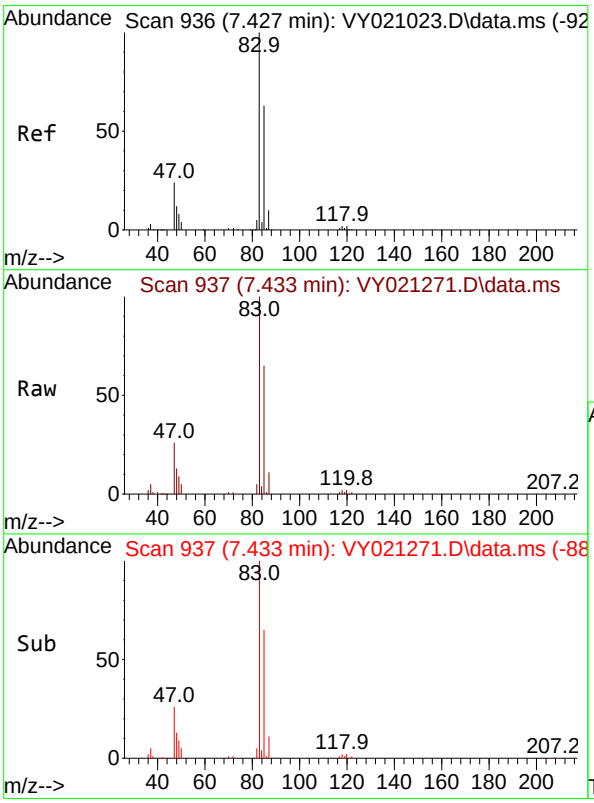
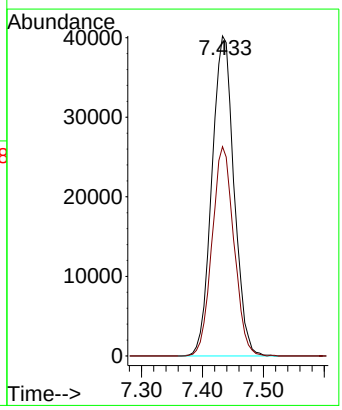
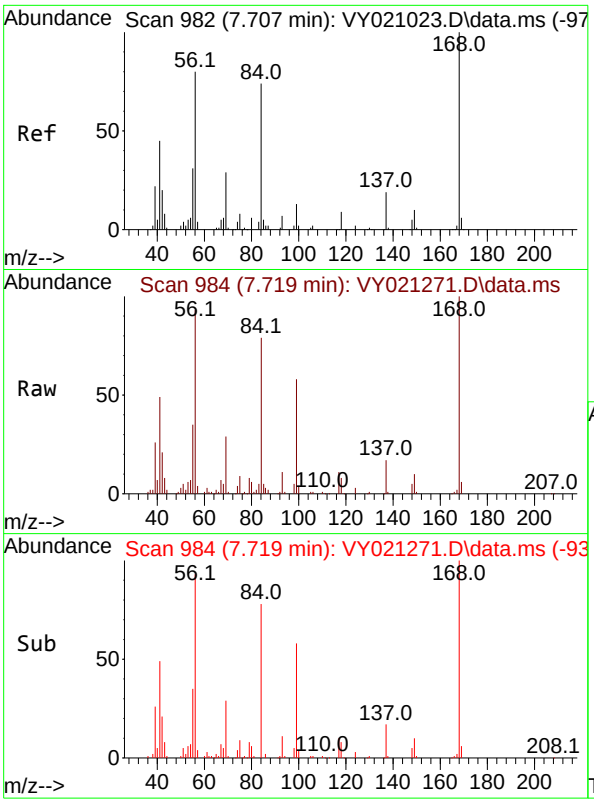


#30
Chloroform
Concen: 66.169 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 83 Resp: 101444

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.2	76.8

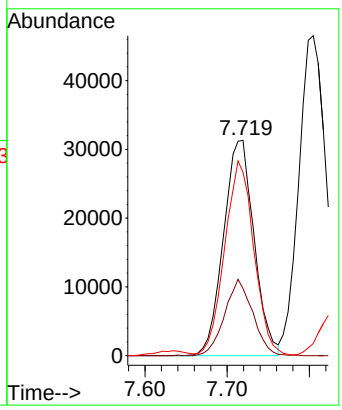




#31
Cyclohexane
Concen: 60.409 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 56 Resp: 8119

Ion	Ratio	Lower	Upper
56	100		
69	31.0	27.0	40.6
84	83.1	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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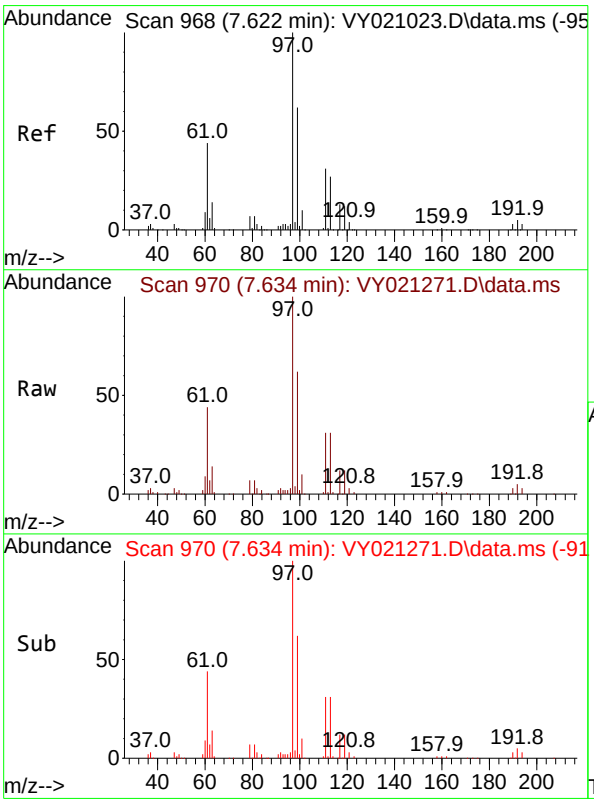
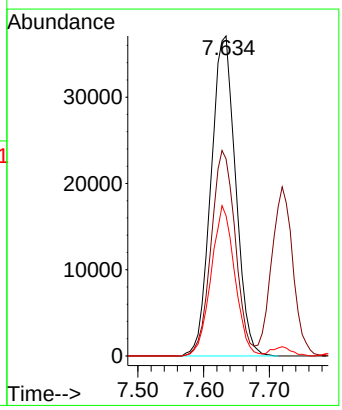
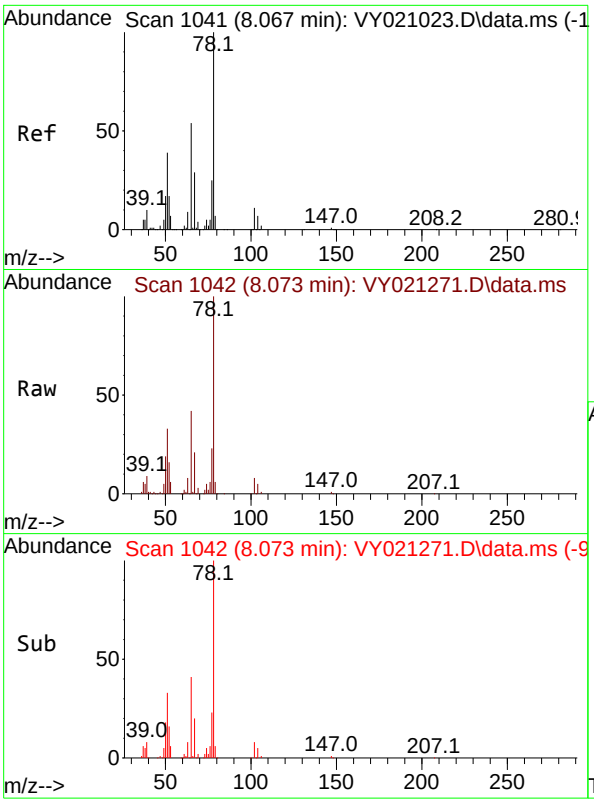


#32
1,1,1-Trichloroethane
Concen: 67.739 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 97 Resp: 96554

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	45.1	35.0	52.6

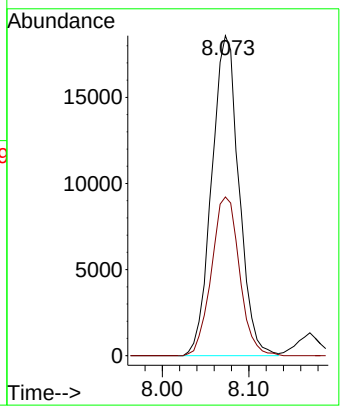




#33
1,2-Dichloroethane-d4
Concen: 51.504 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 65 Resp: 4058

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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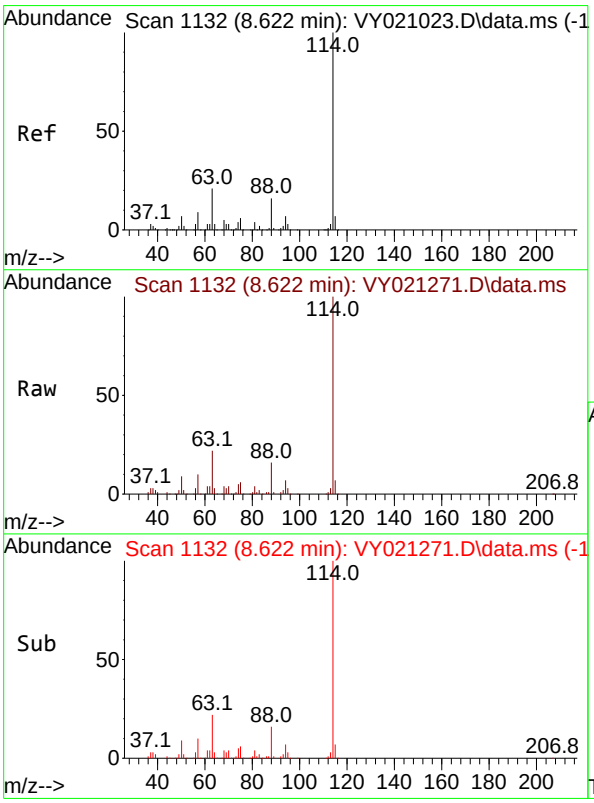
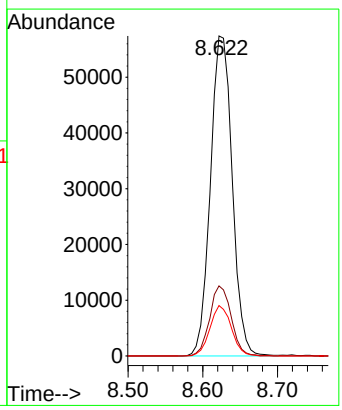
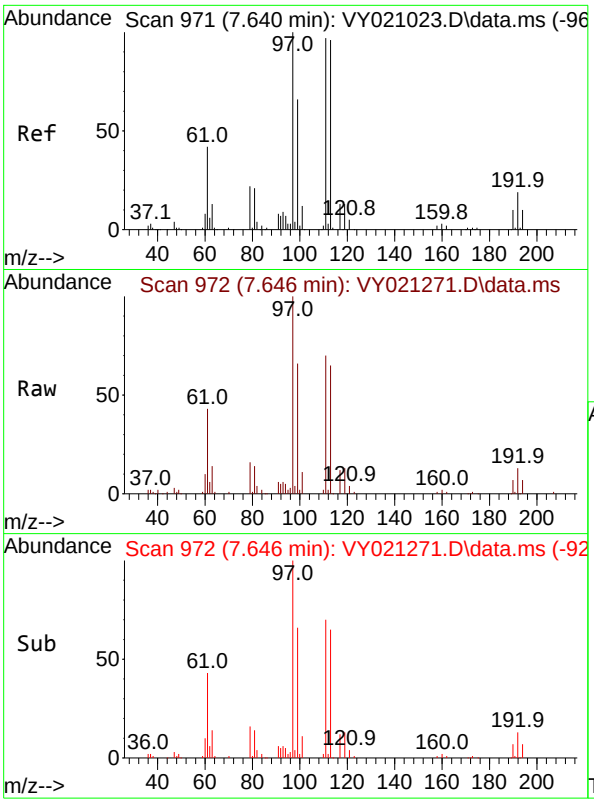


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:114 Resp: 116618

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	37.4
88	15.8	0.0	29.0

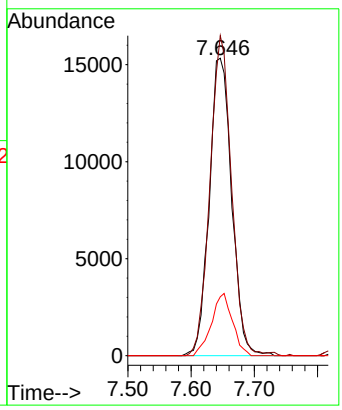




#35
Dibromofluoromethane
Concen: 50.481 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:113 Resp: 3772

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.8	125.6
192	19.6	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
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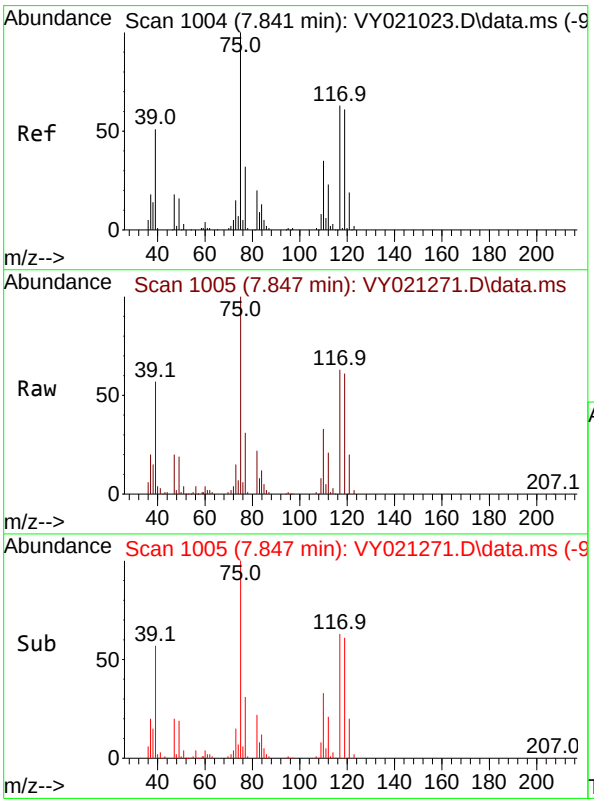
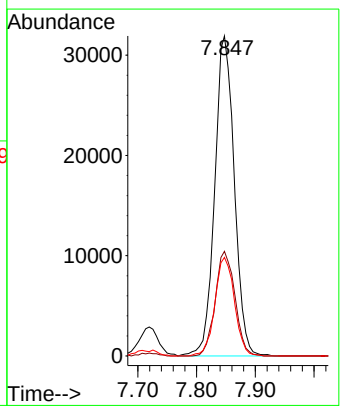
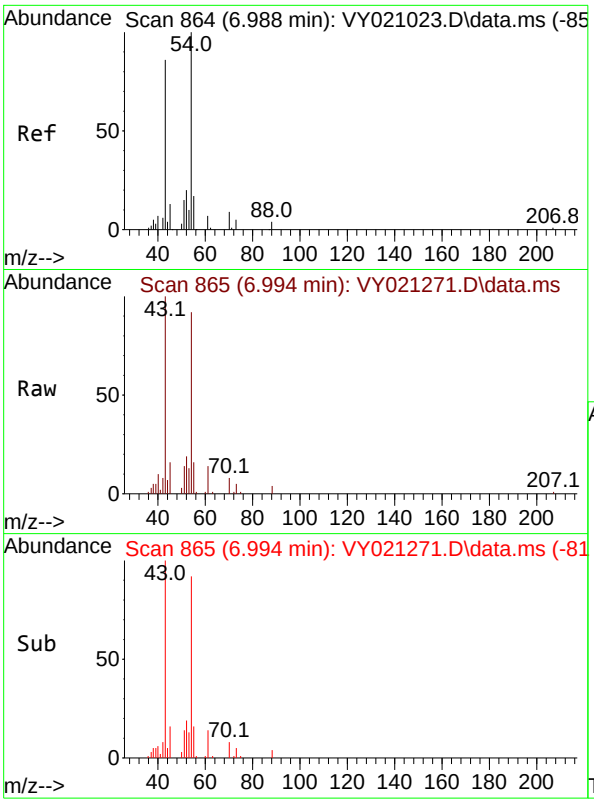


#36
1,1-Dichloropropene
Concen: 66.728 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 75 Resp: 73867

Ion	Ratio	Lower	Upper
75	100		
110	33.0	17.4	52.3
77	30.9	24.7	37.1





#37
Ethyl Acetate
Concen: 67.376 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 3271

Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.6
70	9.0	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
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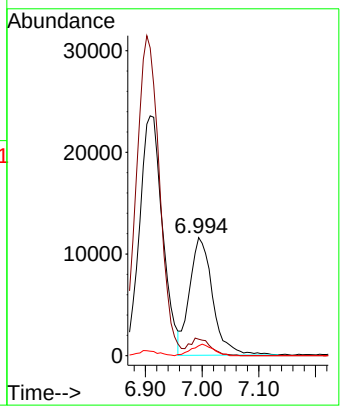
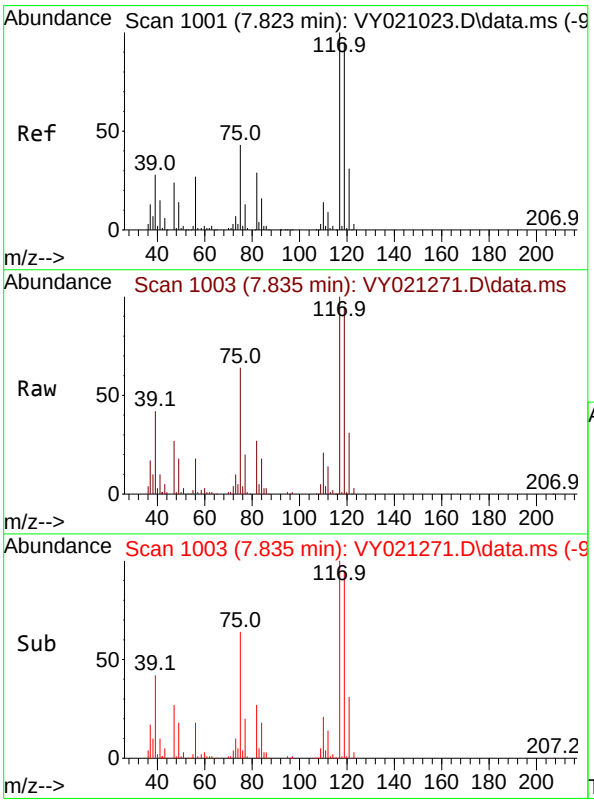
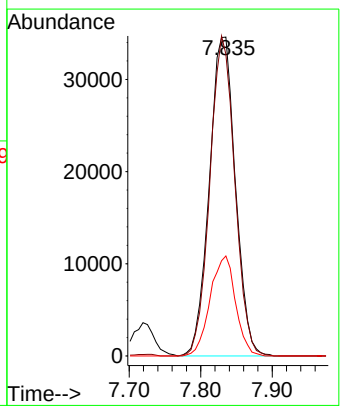


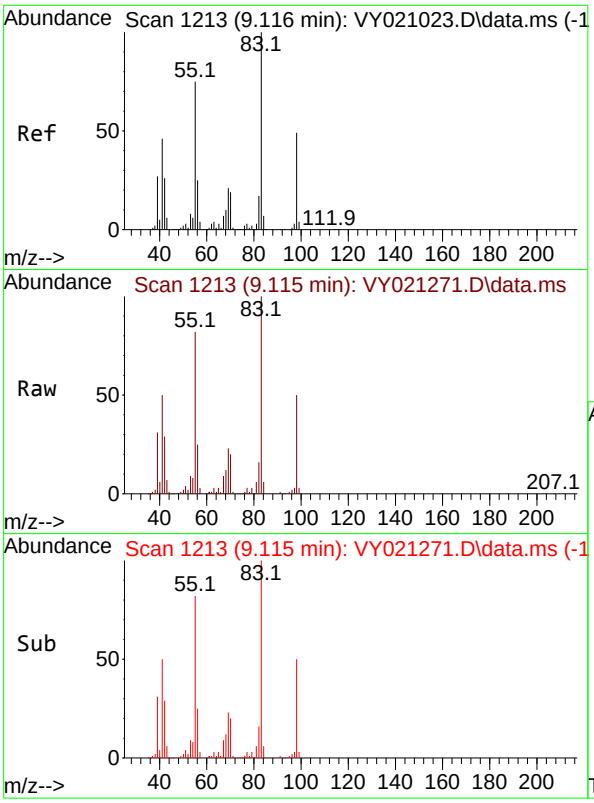


#38
Carbon Tetrachloride
Concen: 67.826 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:117 Resp: 87730

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.0	114.0
121	31.3	24.2	36.2





#39
Methylcyclohexane
Concen: 53.757 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 83 Resp: 7278

Ion	Ratio	Lower	Upper
83	100		
55	81.9	59.7	89.5
98	50.3	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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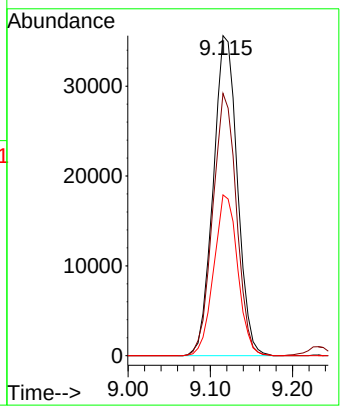
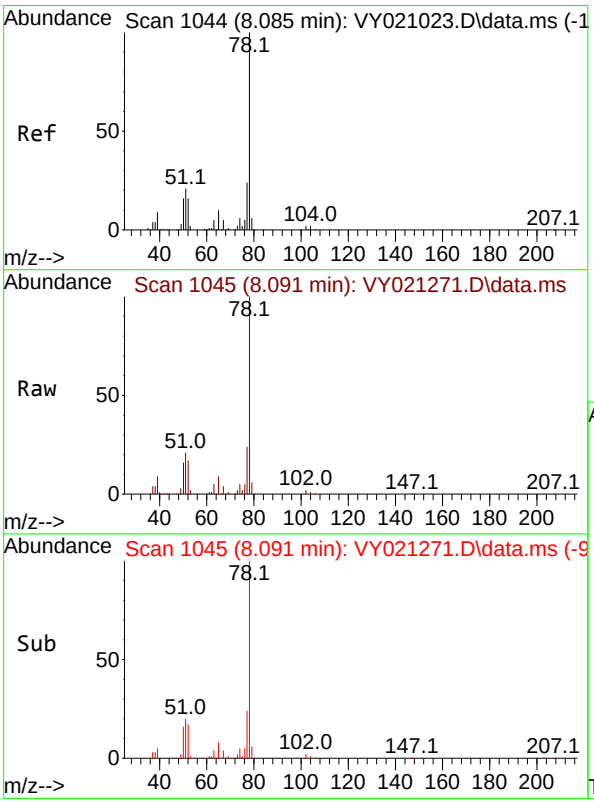
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

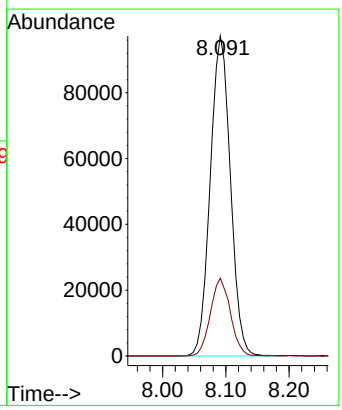


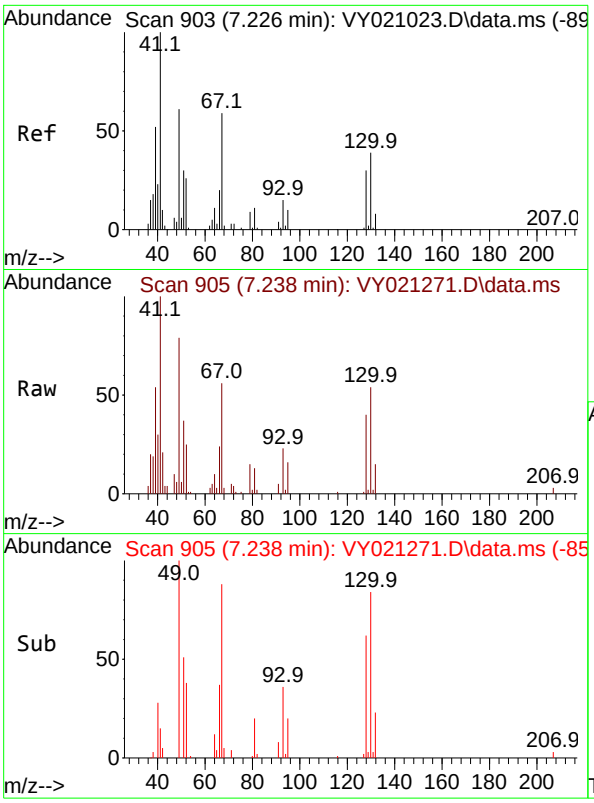


#40
Benzene
Concen: 66.240 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 78 Resp: 215186

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

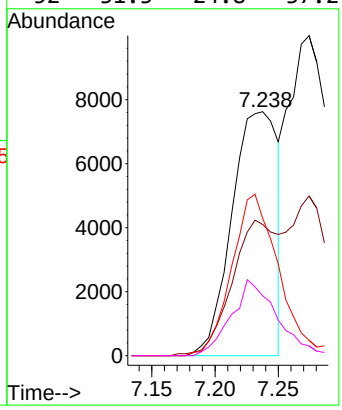




#41
Methacrylonitrile
Concen: 68.240 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 41 Resp: 1917

Ion	Ratio	Lower	Upper
41	100		
39	54.5	41.9	62.9
67	68.1	59.8	89.6
52	31.3	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
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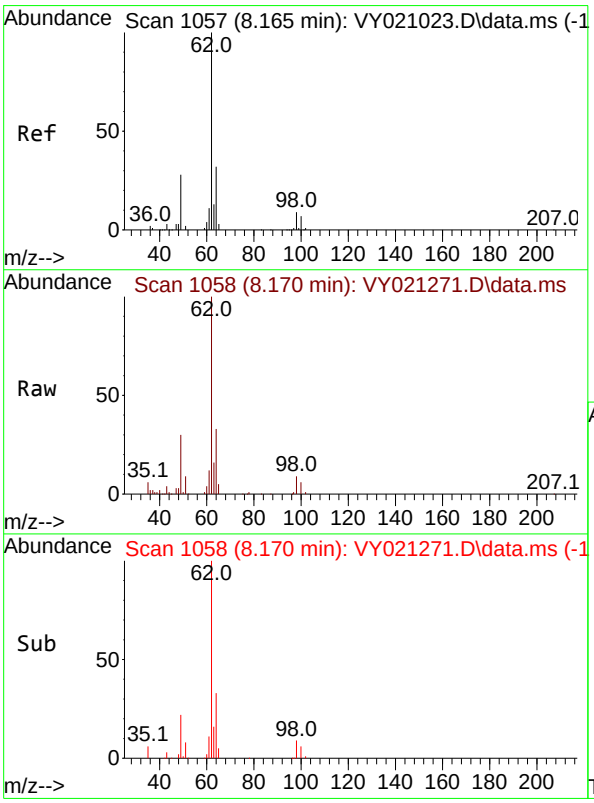
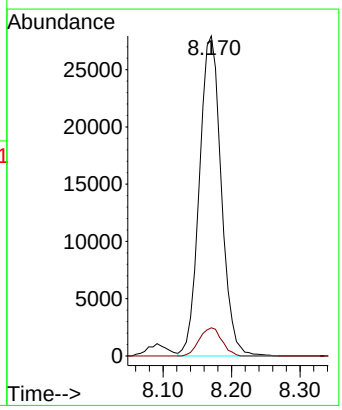
Supervised By :Semsettin Yesilyurt 02/21/2025

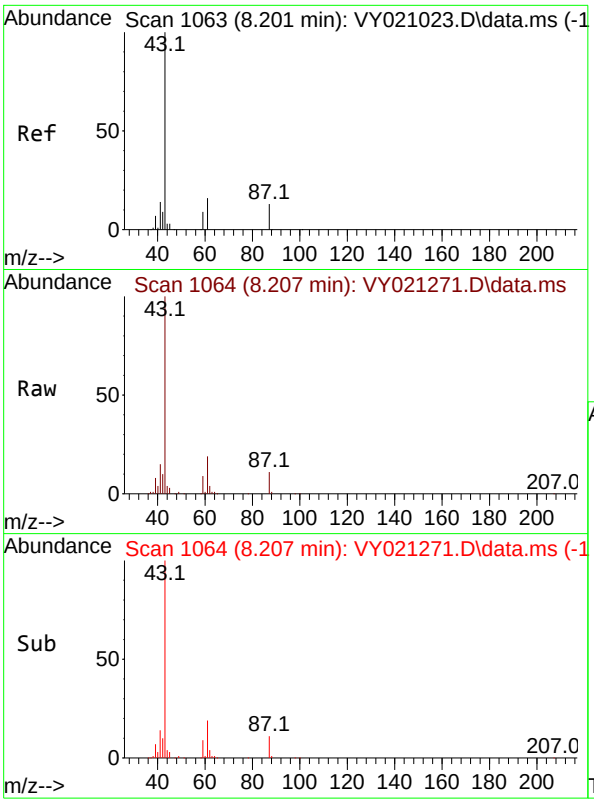


#42
1,2-Dichloroethane
Concen: 68.773 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 62 Resp: 61976

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.2





#43
Isopropyl Acetate
Concen: 67.240 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 6488

Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.8	37.2
87	12.0	10.7	16.1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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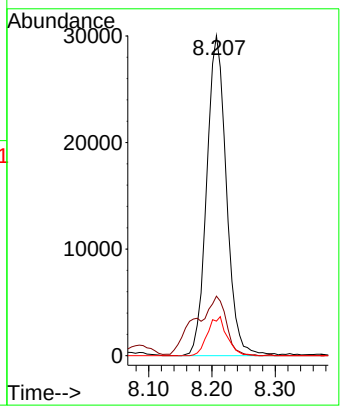
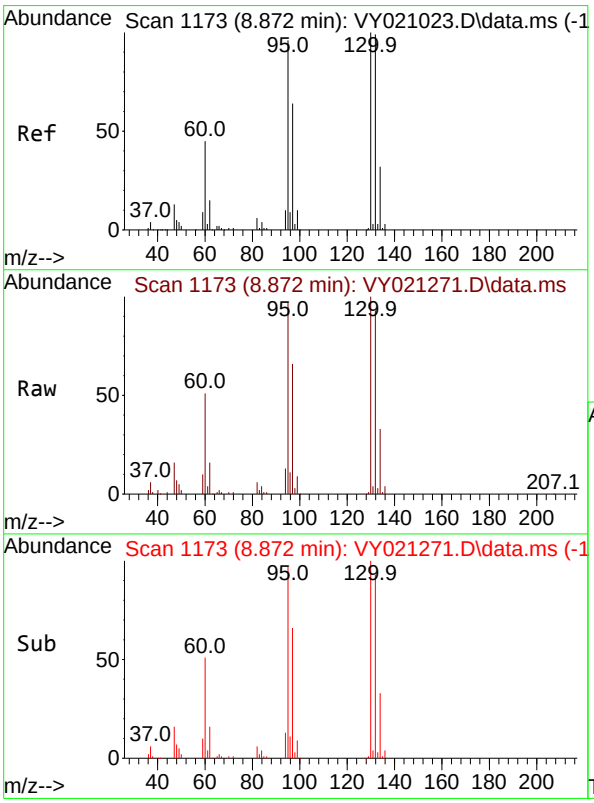
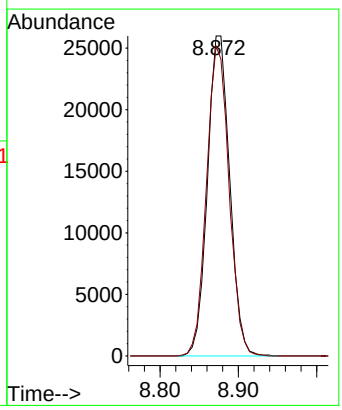


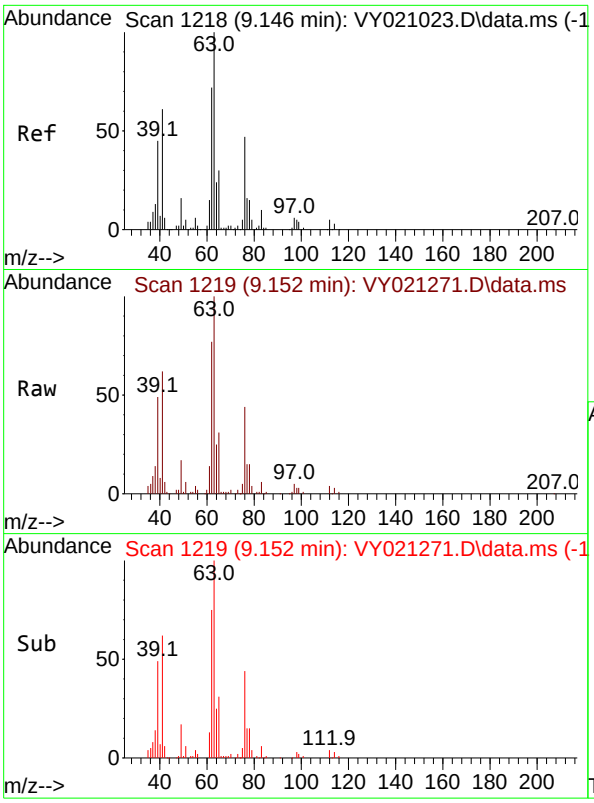


#44
Trichloroethene
Concen: 61.201 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:130 Resp: 51366

Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	203.8

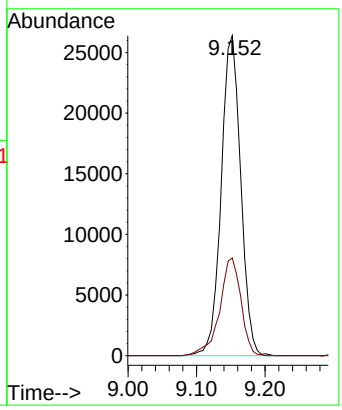




#45
1,2-Dichloropropane
Concen: 67.601 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 63 Resp: 5212

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
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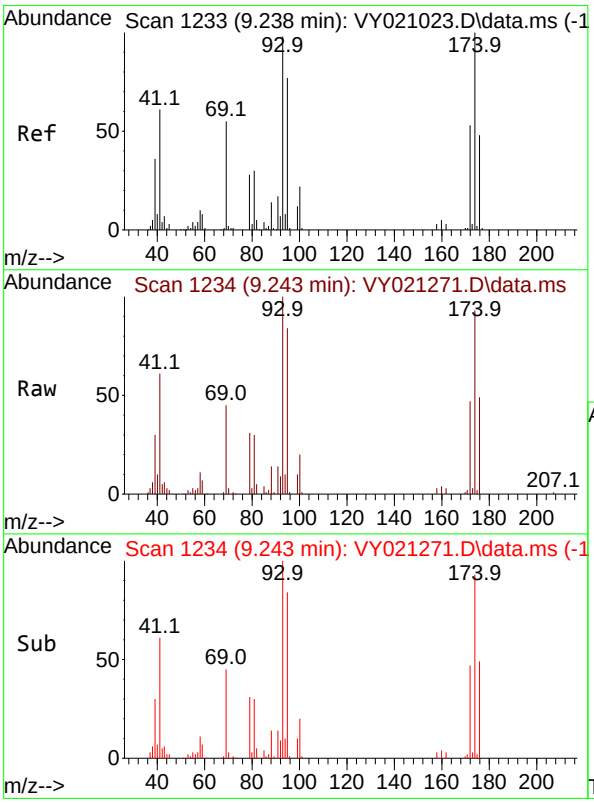
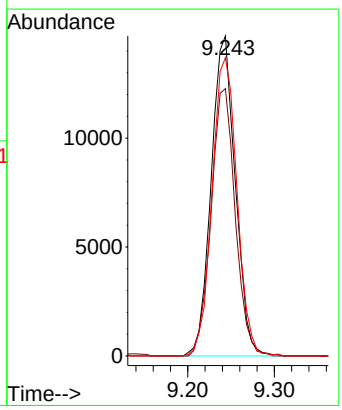
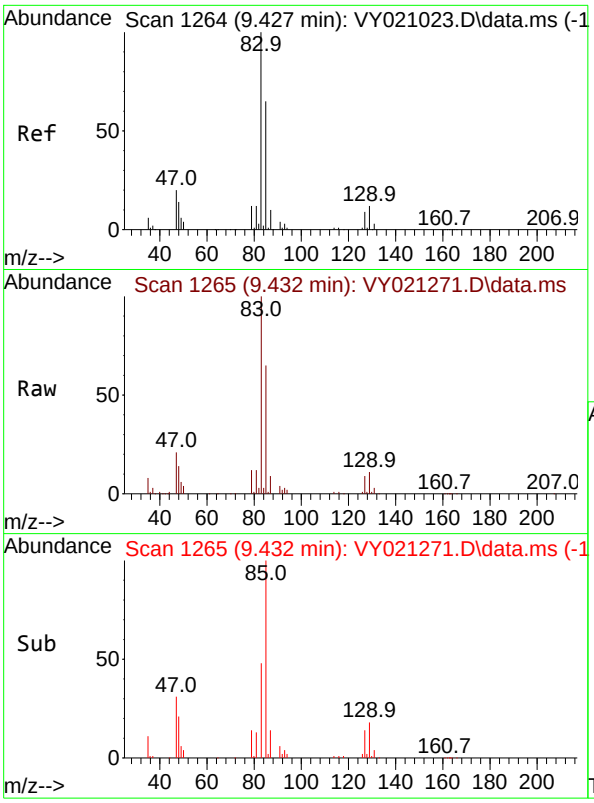


#46
Dibromomethane
Concen: 66.453 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 93 Resp: 28370

Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.6	99.8
174	96.3	73.8	110.6

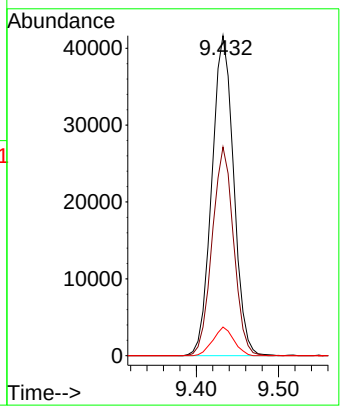




#47
Bromodichloromethane
Concen: 67.161 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 83 Resp: 7689

Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.2	79.8
127	9.0	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
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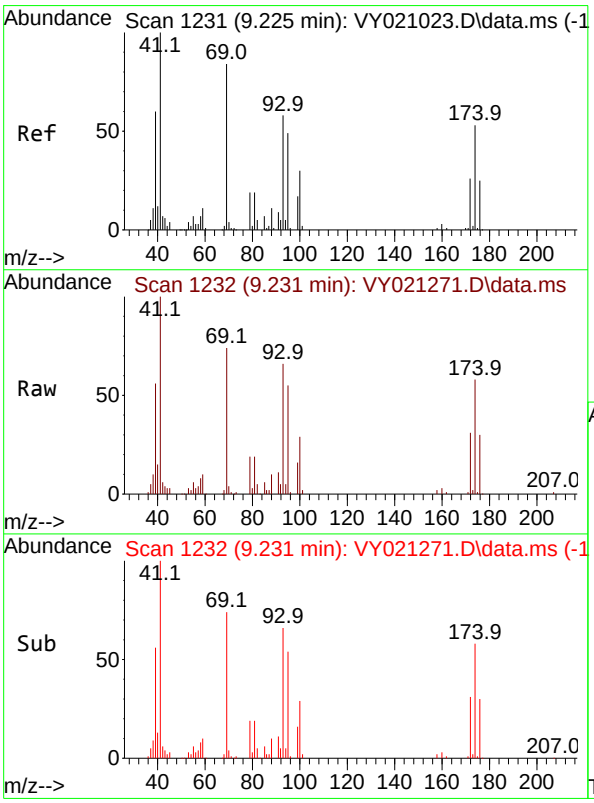
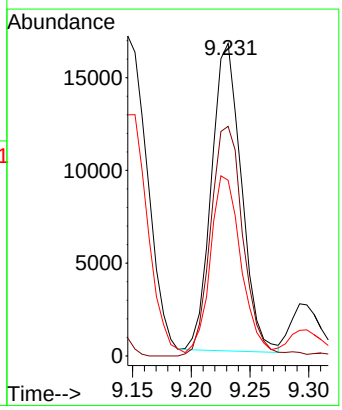
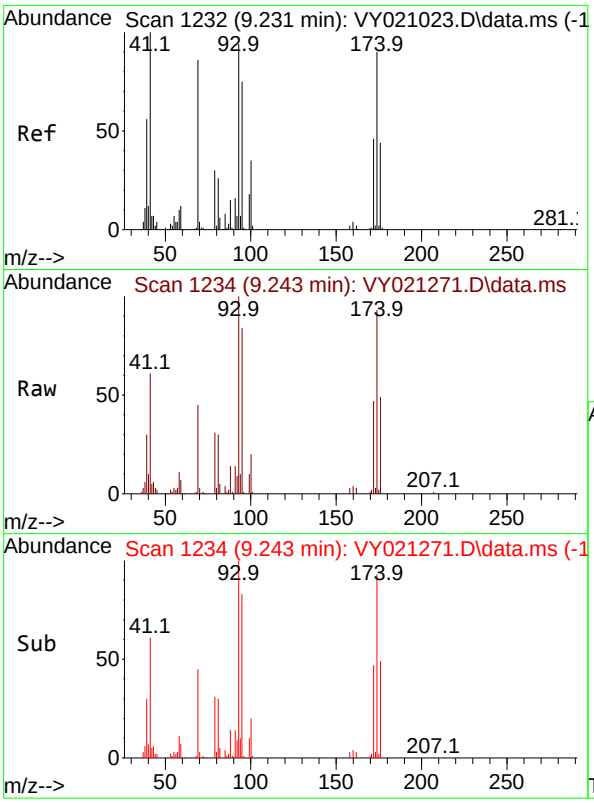


#48
Methyl methacrylate
Concen: 66.911 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 41 Resp: 29410

Ion	Ratio	Lower	Upper
41	100		
69	81.0	72.1	108.1
39	59.7	42.8	64.2

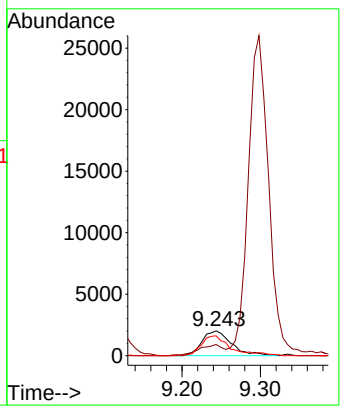




#49
1,4-Dioxane
Concen: 1323.764 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 88 Resp: 526

Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.2	42.4
58	80.4	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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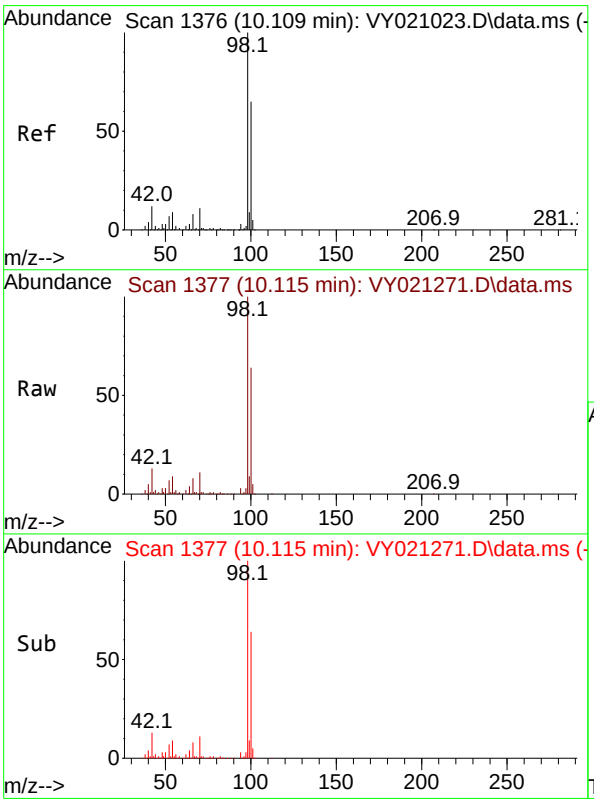
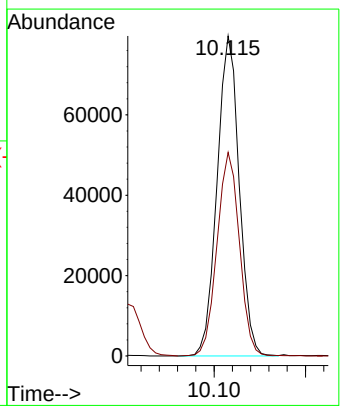
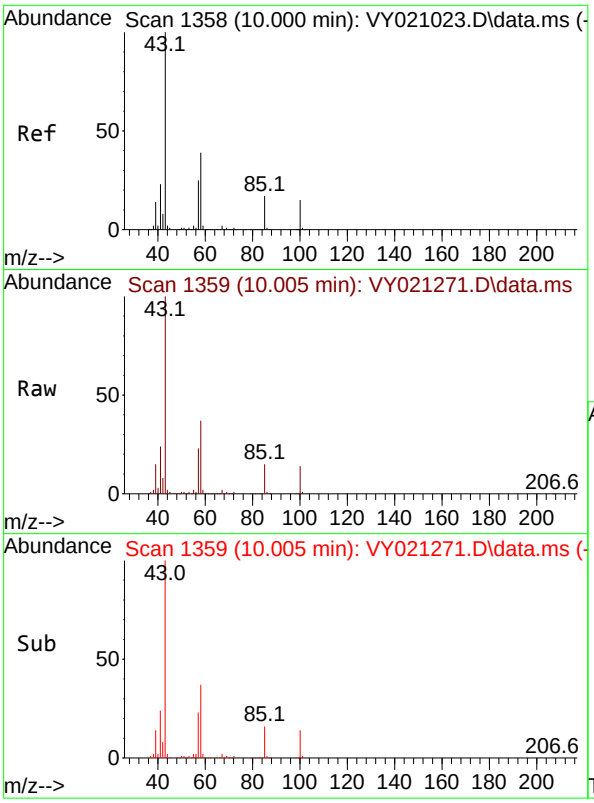


#50
Toluene-d8
Concen: 47.100 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 98 Resp: 134013

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 332.905 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 16153

Ion	Ratio	Lower	Upper
43	100		
58	36.8	32.2	48.2

Instrument :
MSVOA_Y
ClientSampleId :
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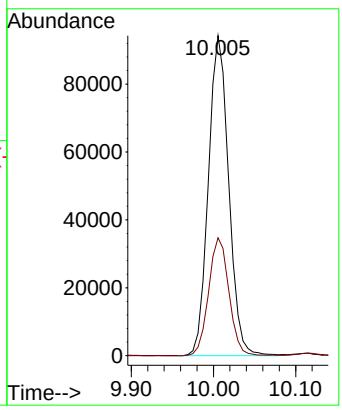
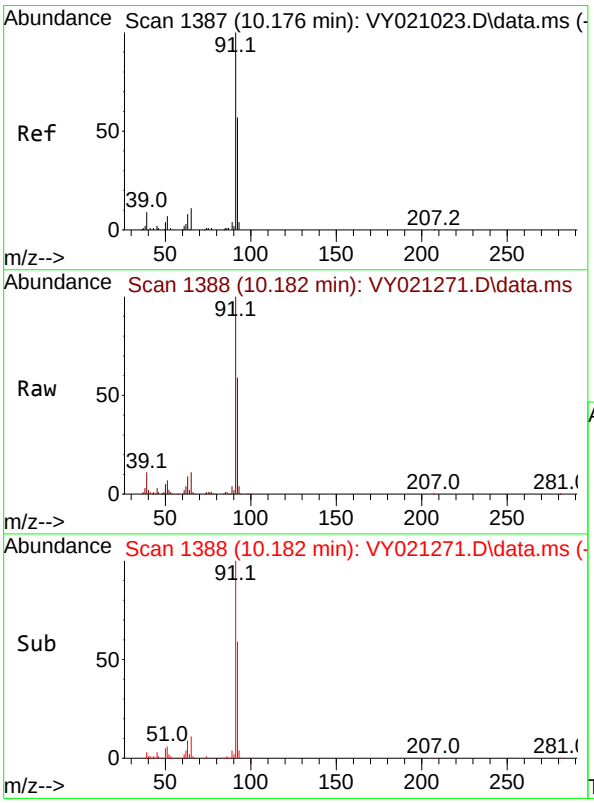
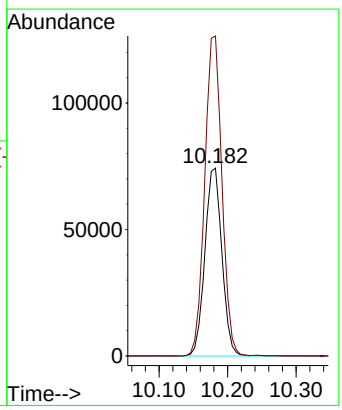


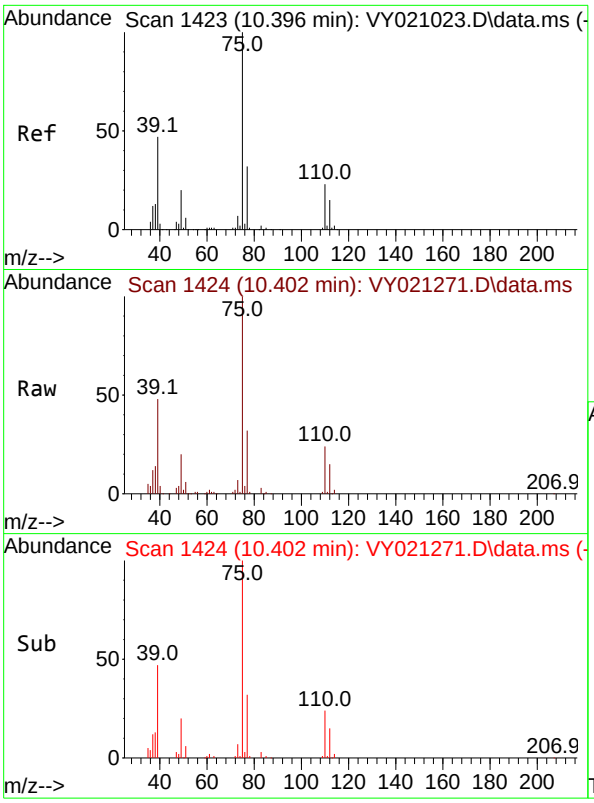


#52
Toluene
Concen: 62.958 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 92 Resp: 128421

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.6	206.4

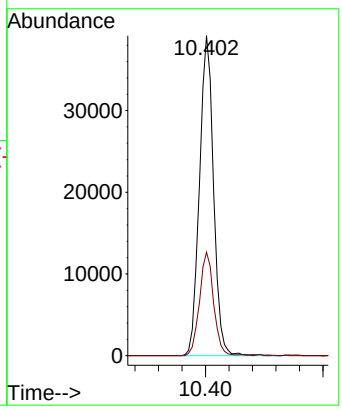




#53
t-1,3-Dichloropropene
Concen: 63.377 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 75 Resp: 6515

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
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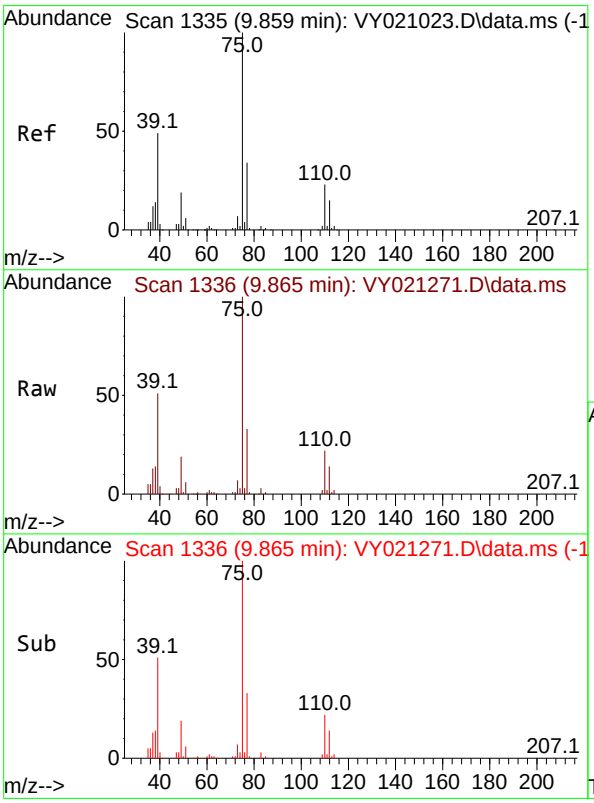
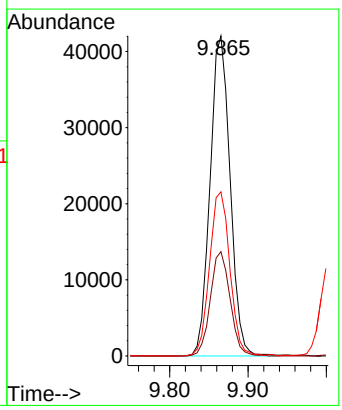
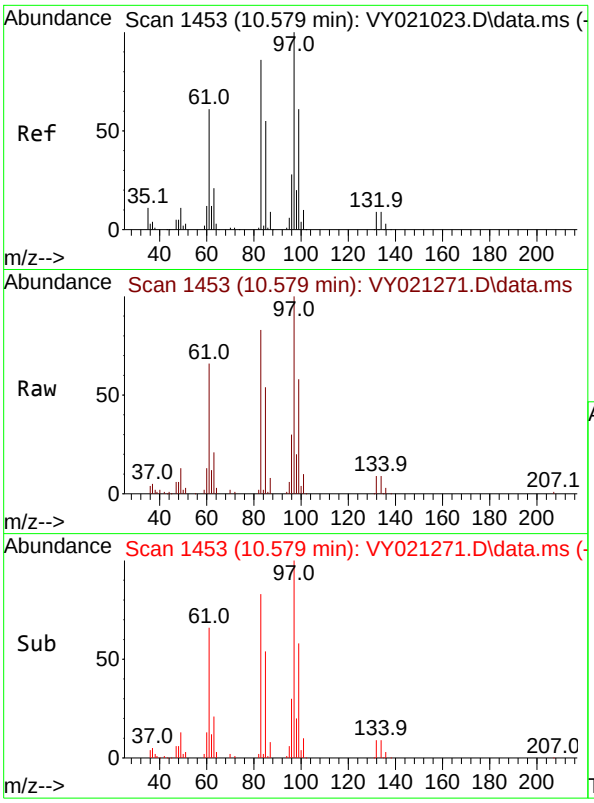


#54
cis-1,3-Dichloropropene
Concen: 61.397 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 75 Resp: 74737

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	36.8
39	51.3	33.6	50.4#

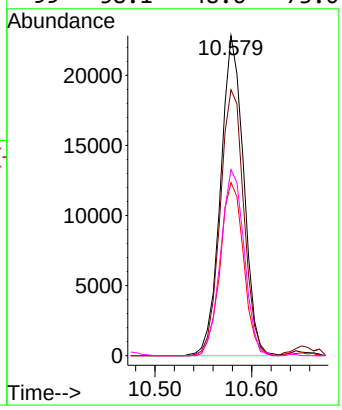




#55
1,1,2-Trichloroethane
Concen: 68.375 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 97 Resp: 3780

Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.4	104.2
85	54.1	43.9	65.9
99	58.1	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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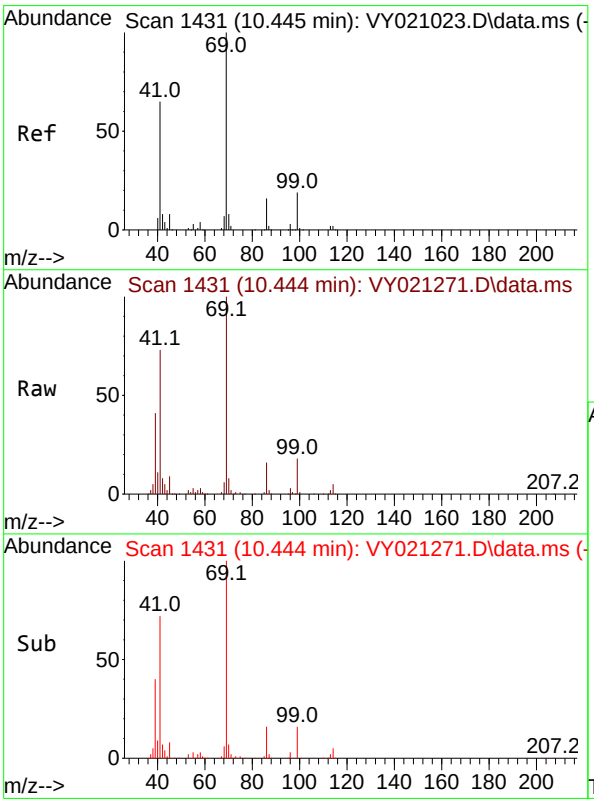
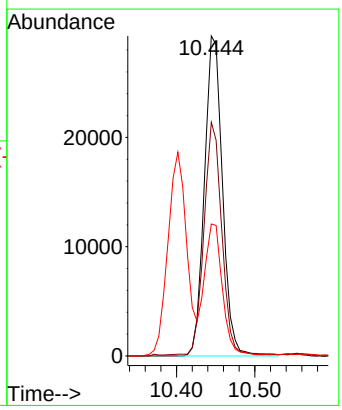
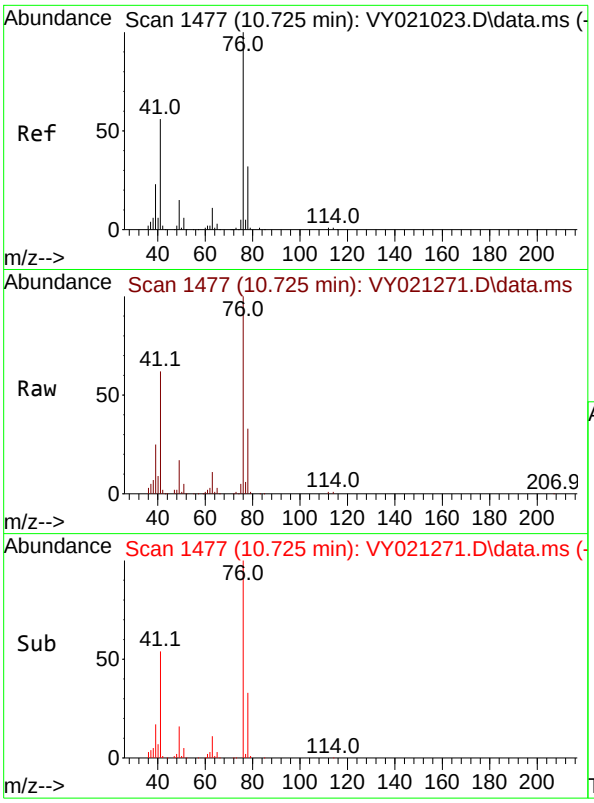


#56
Ethyl methacrylate
Concen: 63.370 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 69 Resp: 46866

Ion	Ratio	Lower	Upper
69	100		
41	71.5	49.2	73.8
39	40.2	26.8	40.2

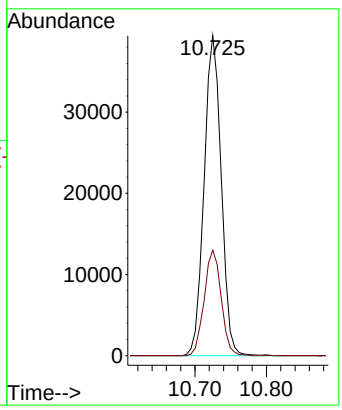




#57
1,3-Dichloropropane
Concen: 68.447 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 76 Resp: 6549

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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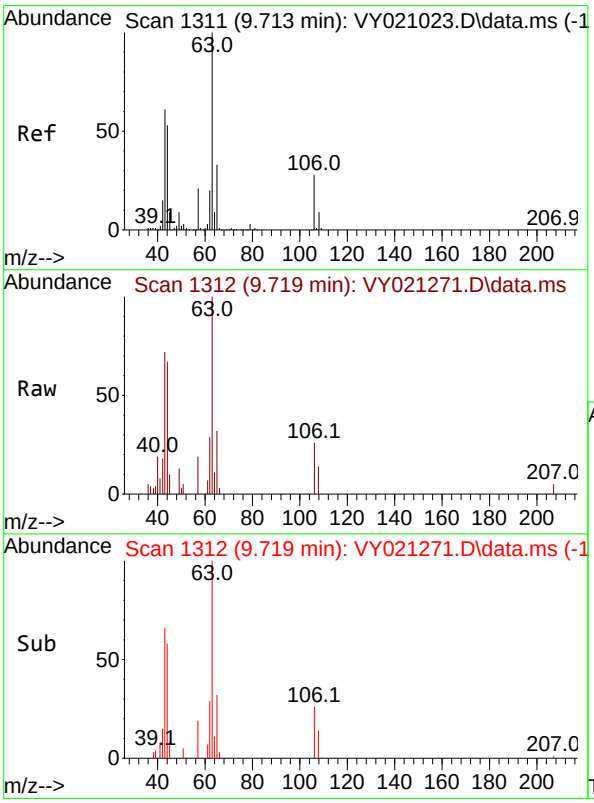
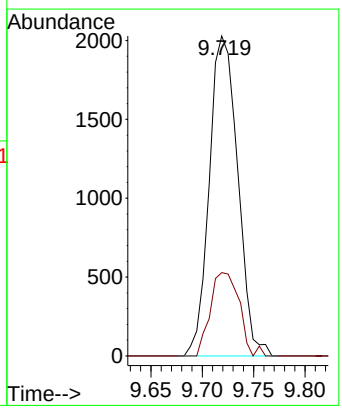
Supervised By :Semsettin Yesilyurt 02/21/2025

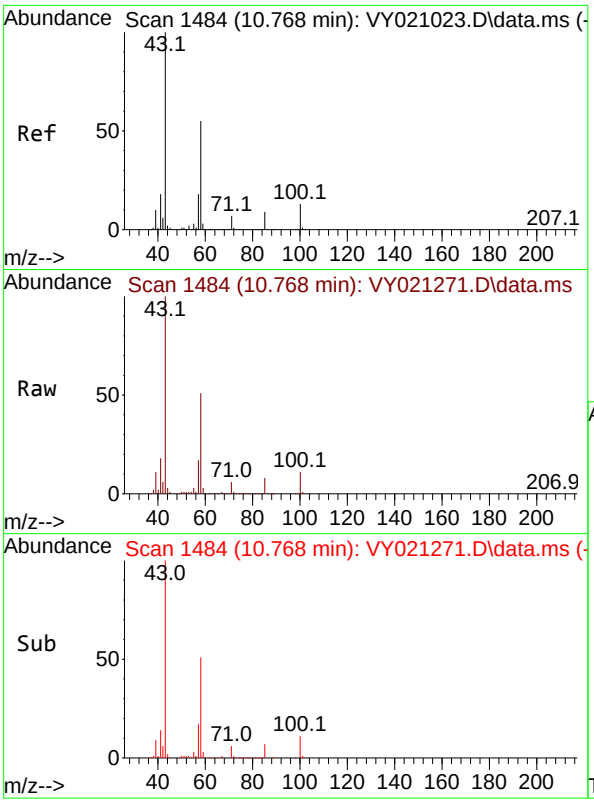


#58
2-Chloroethyl Vinyl ether
Concen: 11.101 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 63 Resp: 3906

Ion	Ratio	Lower	Upper
63	100		
106	26.5	22.4	33.6





#59
2-Hexanone
Concen: 327.057 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 10218

Ion	Ratio	Lower	Upper
43	100		
58	51.2	28.1	84.3

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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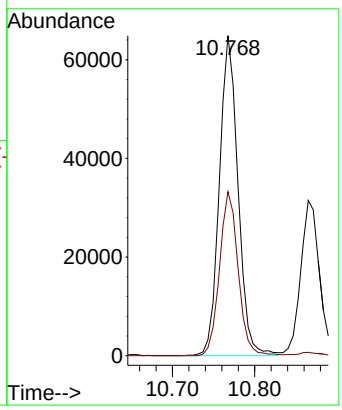
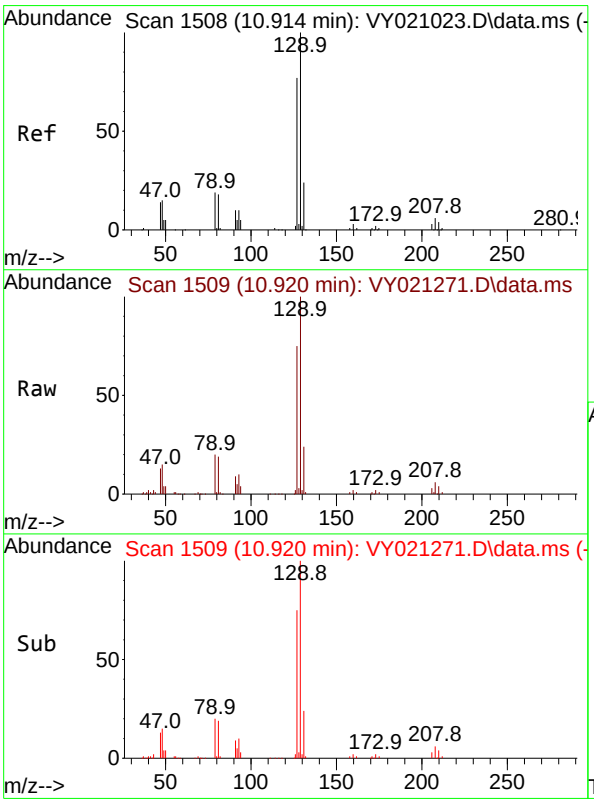
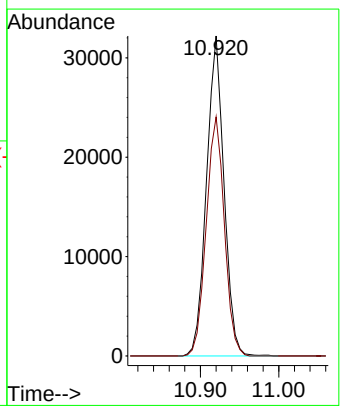


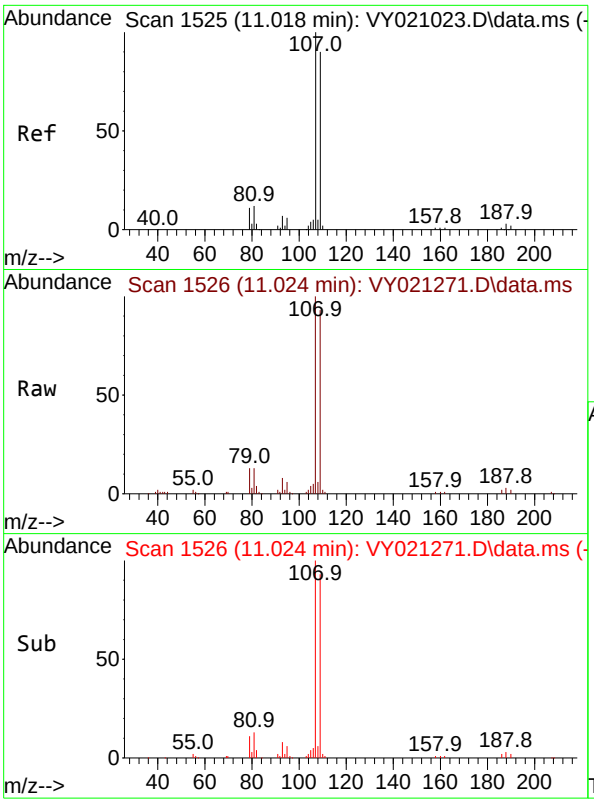


#60
Dibromochloromethane
Concen: 64.323 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:129 Resp: 49938

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.2	117.6

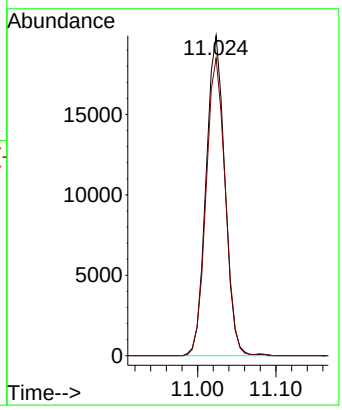




#61
1,2-Dibromoethane
Concen: 63.914 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:107 Resp: 3309

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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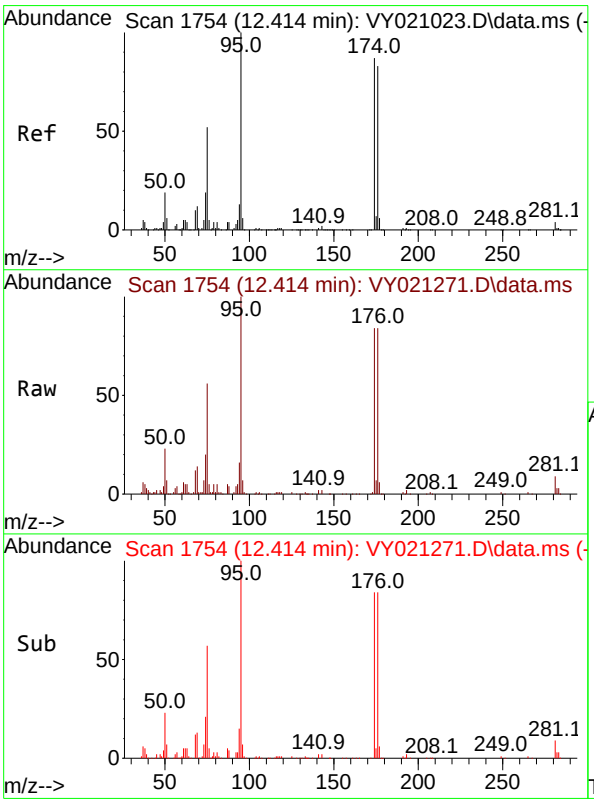
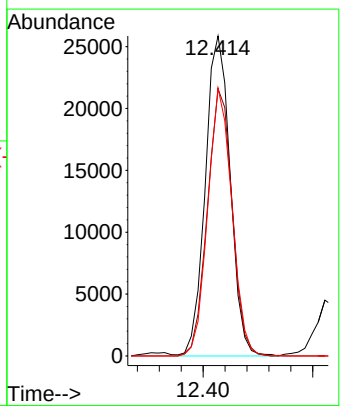
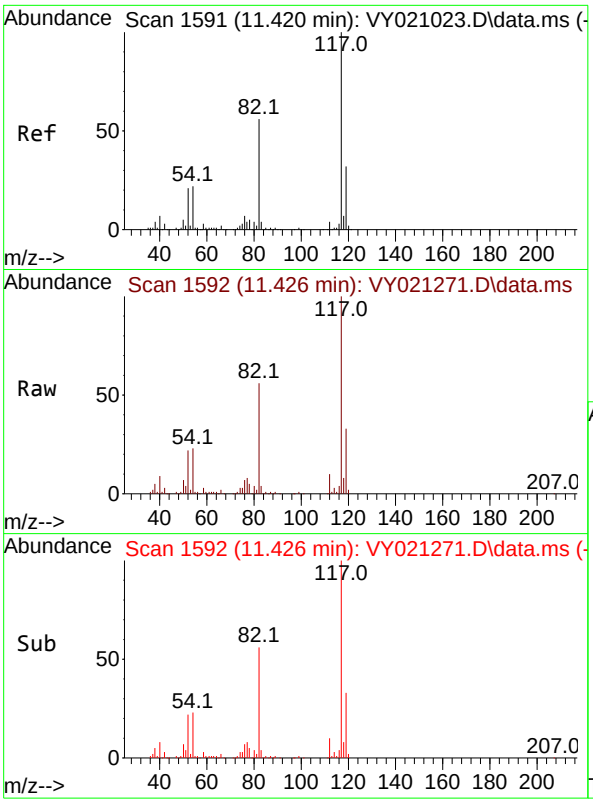


#62
4-Bromofluorobenzene
Concen: 43.855 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 95 Resp: 40765

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	160.0
176	81.3	0.0	151.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:117 Resp: 9446

Ion	Ratio	Lower	Upper
117	100		
82	56.4	43.8	65.8
119	33.4	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
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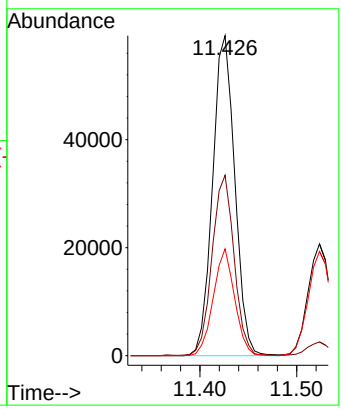
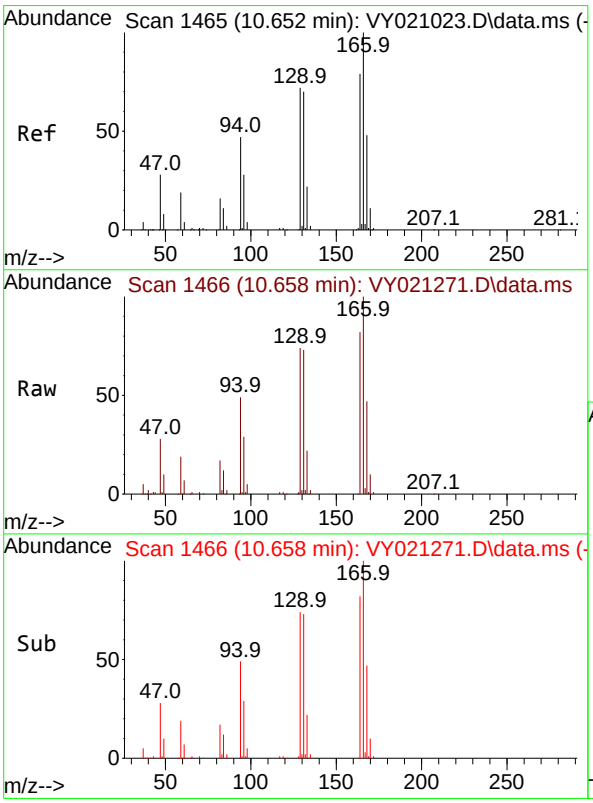
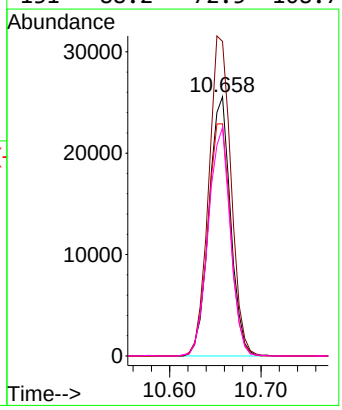


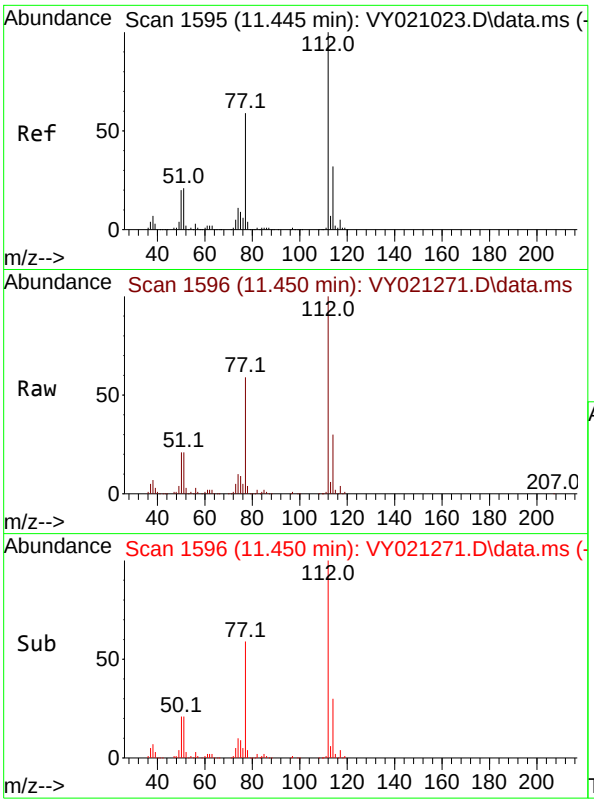


#64
Tetrachloroethene
Concen: 60.022 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:164 Resp: 42092

Ion	Ratio	Lower	Upper
164	100		
166	121.4	98.8	148.2
129	89.6	78.9	118.3
131	88.2	72.5	108.7





#65
Chlorobenzene
Concen: 61.257 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:112 Resp: 12885

Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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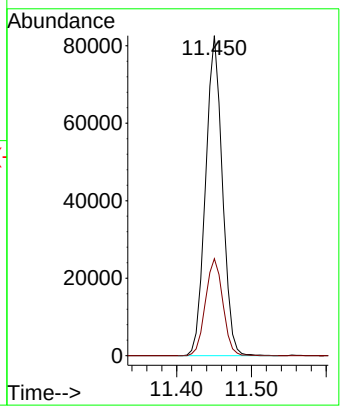
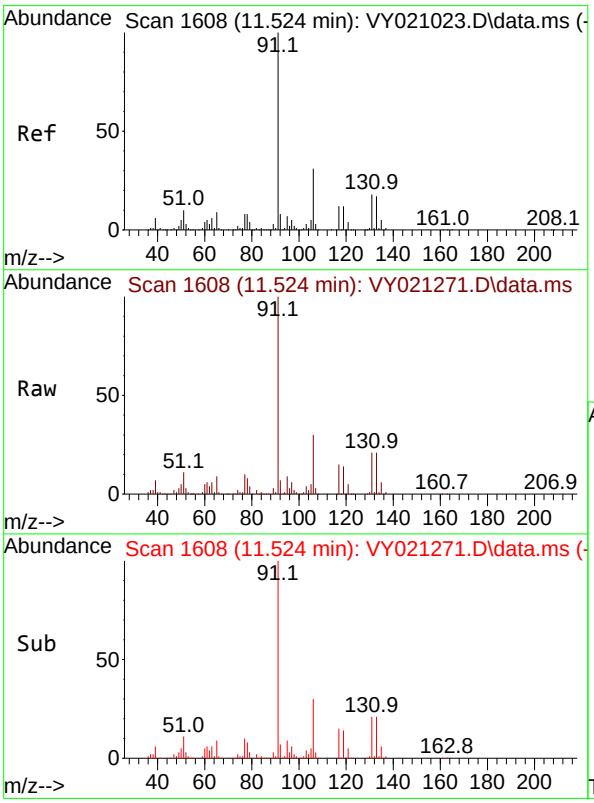
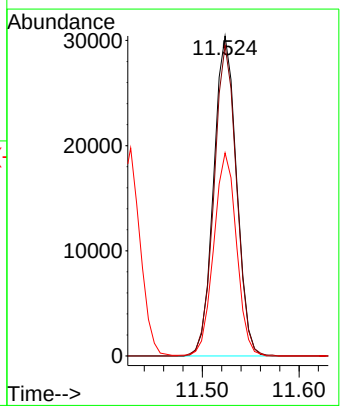


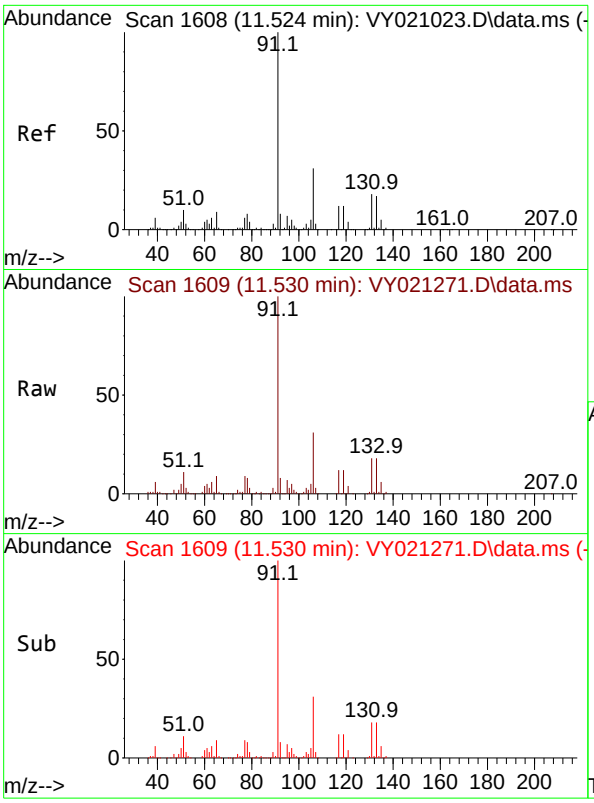


#66
1,1,1,2-Tetrachloroethane
Concen: 66.673 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:131 Resp: 49839

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.0	141.0
119	63.3	33.3	99.9

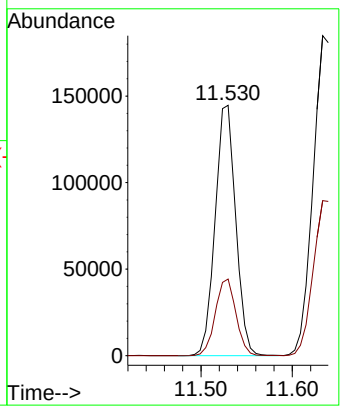




#67
Ethyl Benzene
Concen: 60.967 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 91 Resp: 22682

Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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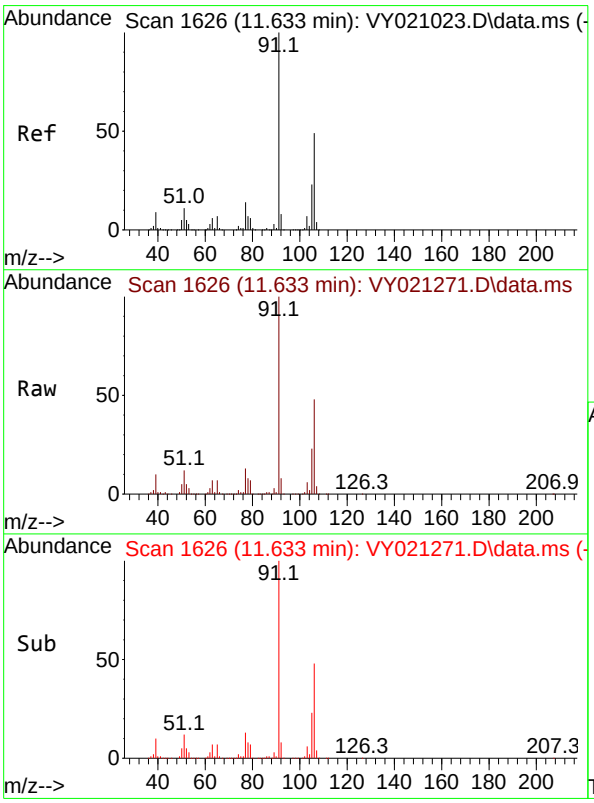
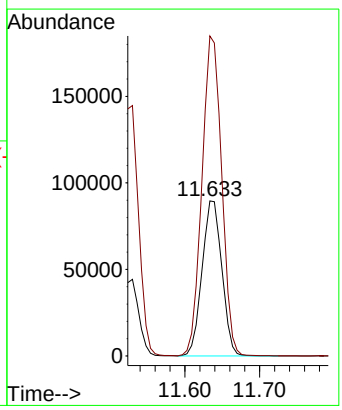
Supervised By :Semsettin Yesilyurt 02/21/2025

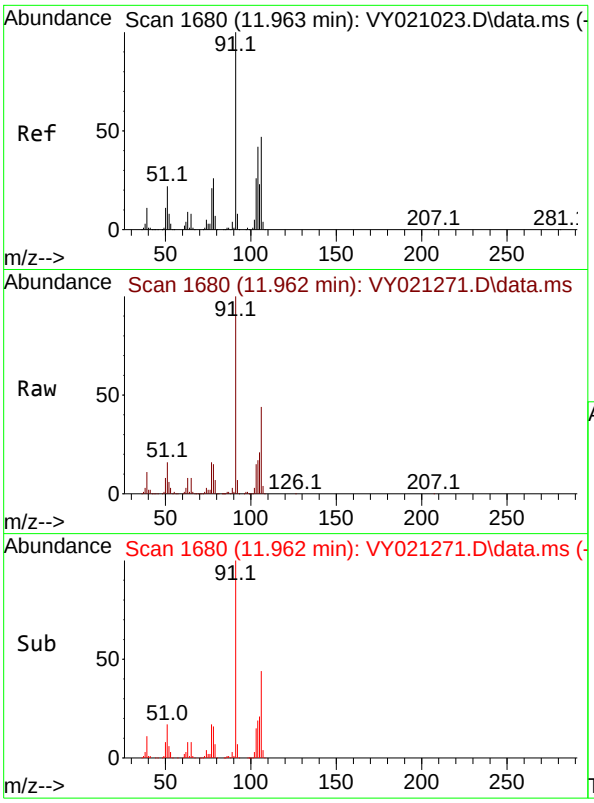


#68
m/p-Xylenes
Concen: 118.507 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:106 Resp: 164941

Ion	Ratio	Lower	Upper
106	100		
91	205.9	160.7	241.1

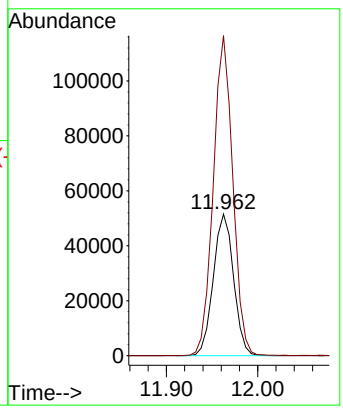




#69
o-Xylene
Concen: 61.181 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:106 Resp: 7939

Ion	Ratio	Lower	Upper
106	100		
91	218.0	106.5	319.5



Instrument :
MSVOA_Y
ClientSampleId :
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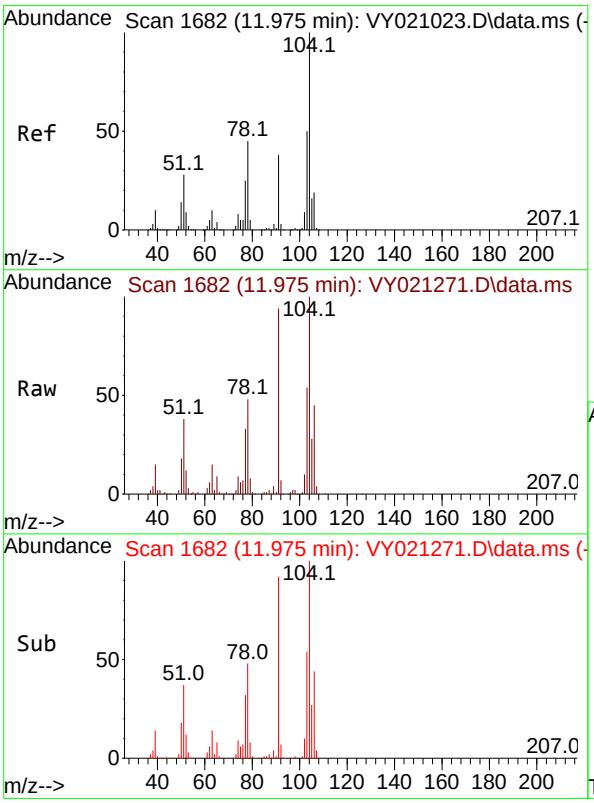
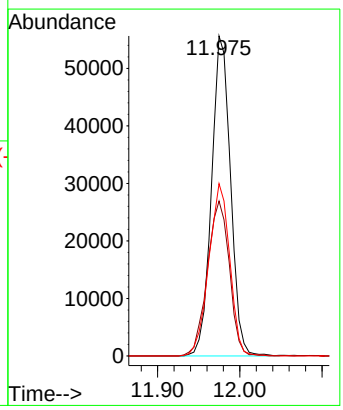
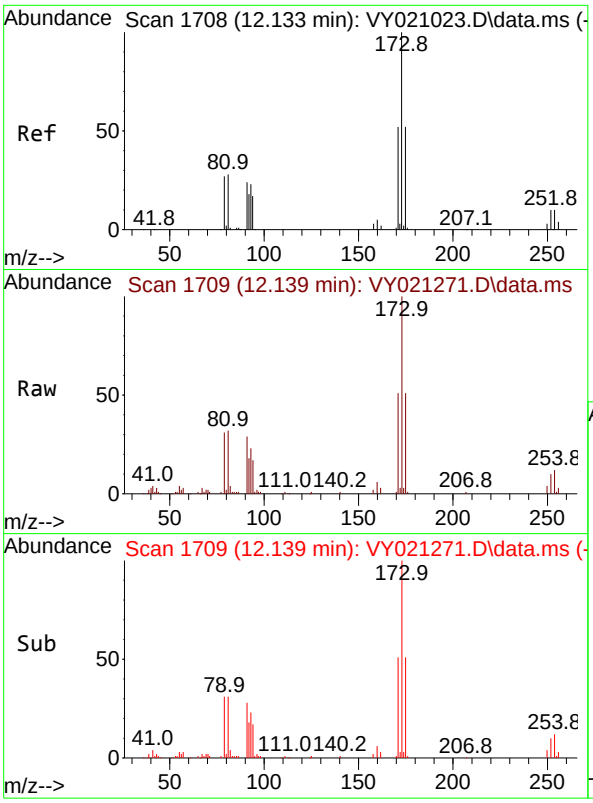


#70
Styrene
Concen: 41.359 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:104 Resp: 89450

Ion	Ratio	Lower	Upper
104	100		
78	56.2	39.2	58.8
103	59.2	43.8	65.6

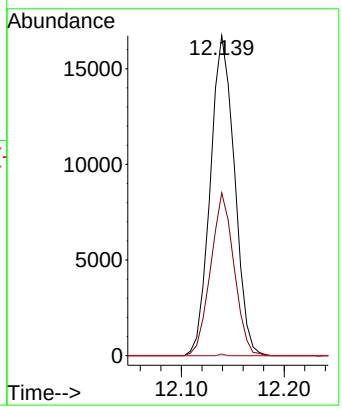




#71
Bromoform
Concen: 65.665 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:173 Resp: 2732

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.5	70.6
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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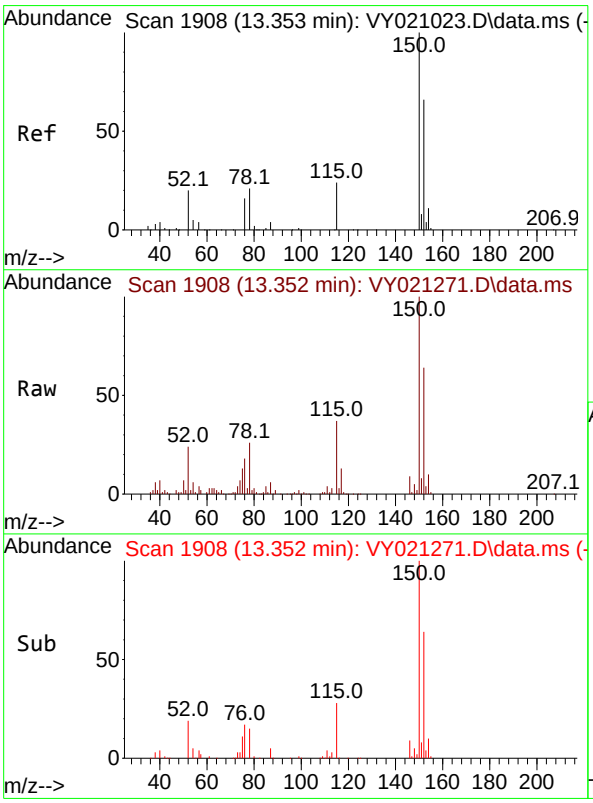
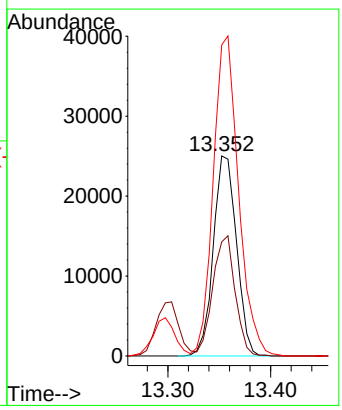
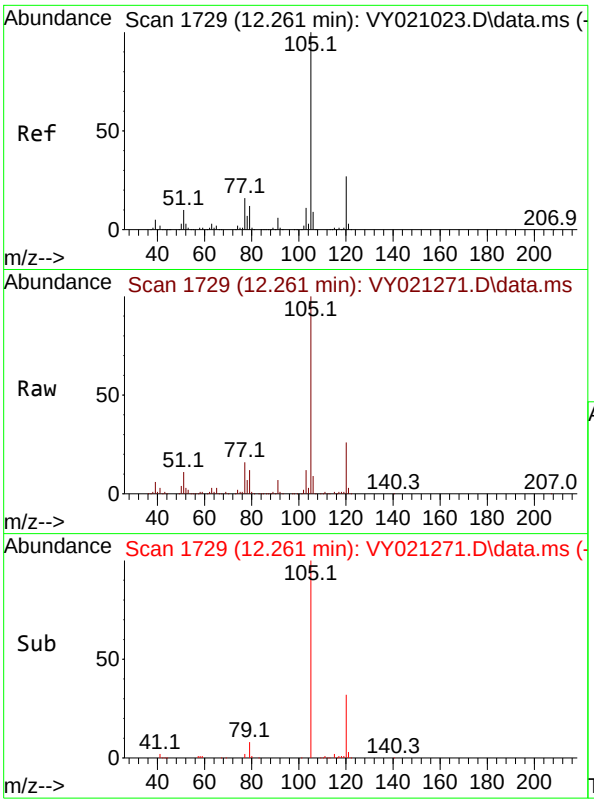


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:152 Resp: 39201

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.0	90.0
150	174.2	0.0	344.6

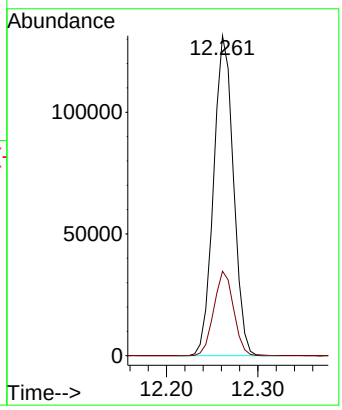




#73
Isopropylbenzene
Concen: 64.798 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:105 Resp: 19842

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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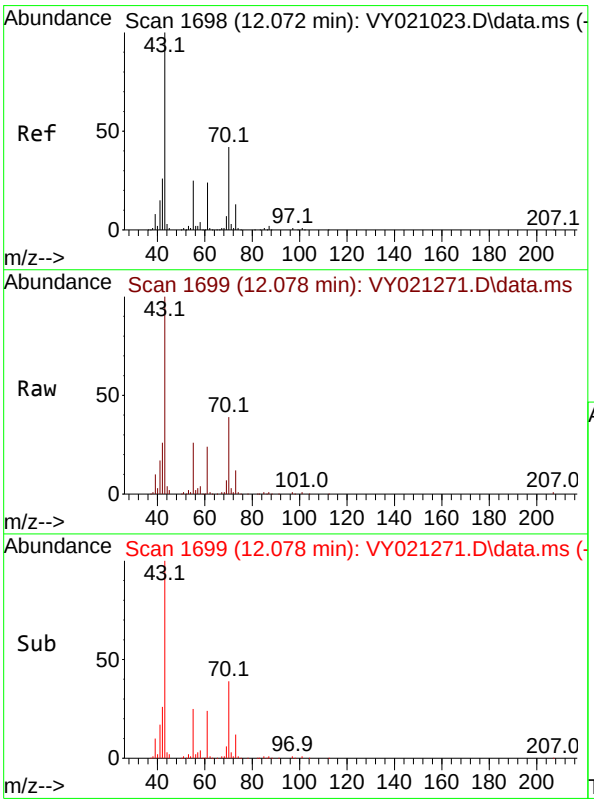
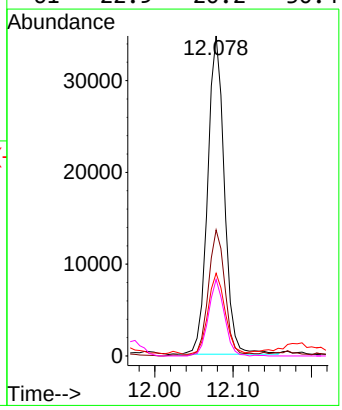
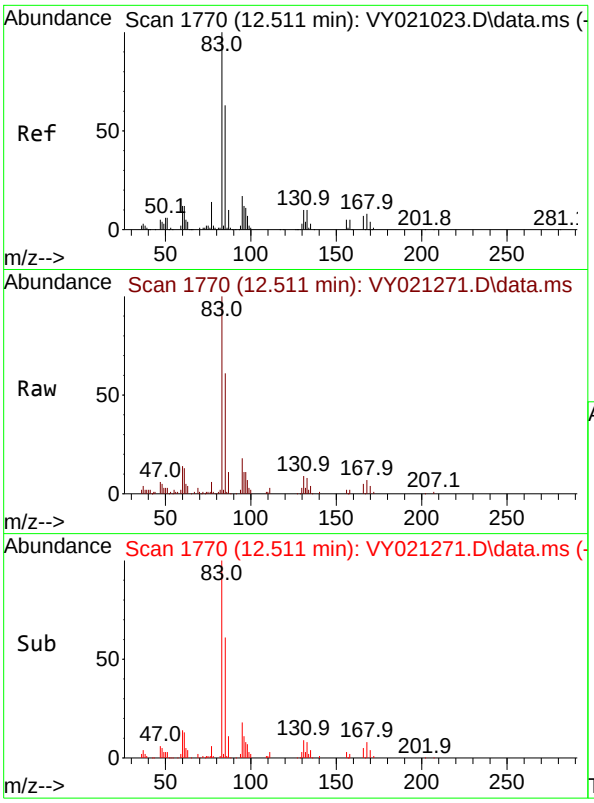


#74
N-amyl acetate
Concen: 76.630 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 43 Resp: 51302

Ion	Ratio	Lower	Upper
43	100		
70	39.0	36.6	55.0
55	26.0	22.2	33.4
61	22.9	20.2	30.4





#75
1,1,2,2-Tetrachloroethane
Concen: 79.910 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 83 Resp: 4069

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.6
85	62.5	32.6	98.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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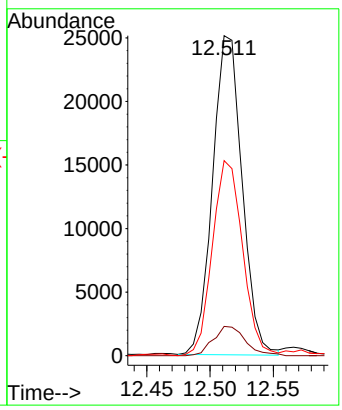
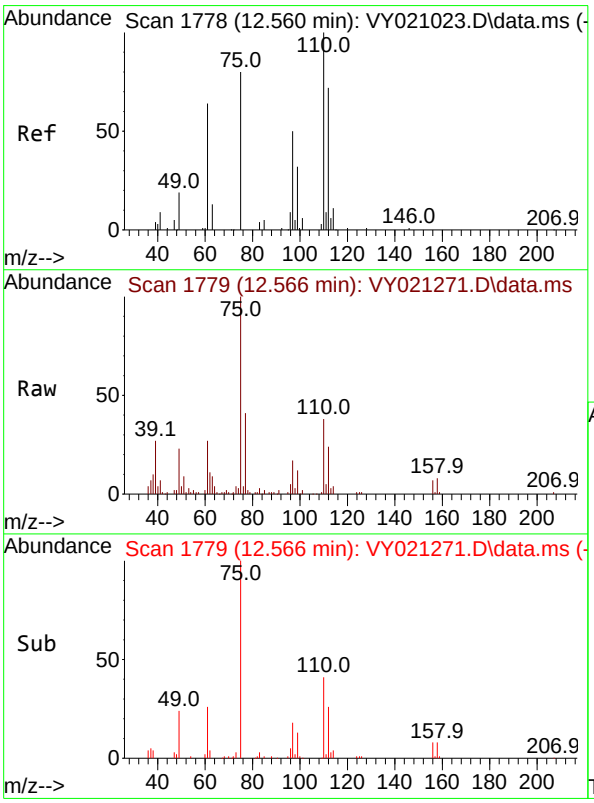
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

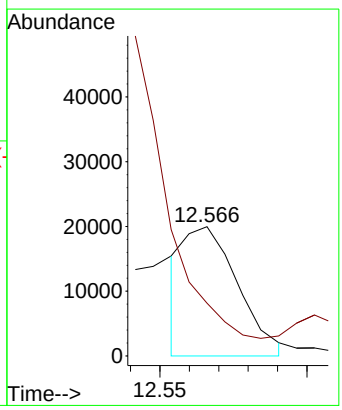


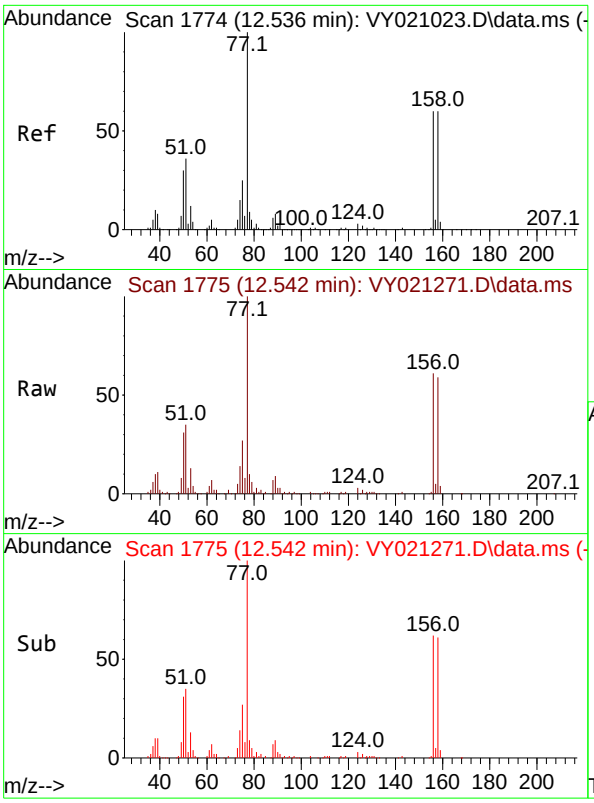


#76
1,2,3-Trichloropropane
Concen: 72.027 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 75 Resp: 25613

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

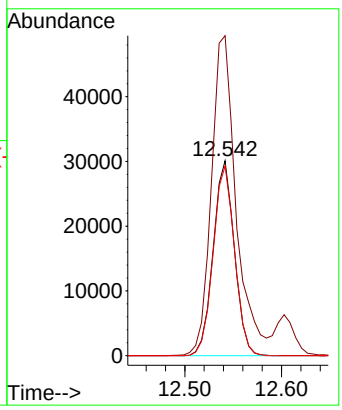




#77
Bromobenzene
Concen: 64.749 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:156 Resp: 4575

Ion	Ratio	Lower	Upper
156	100		
77	191.4	97.3	291.8
158	98.2	48.4	145.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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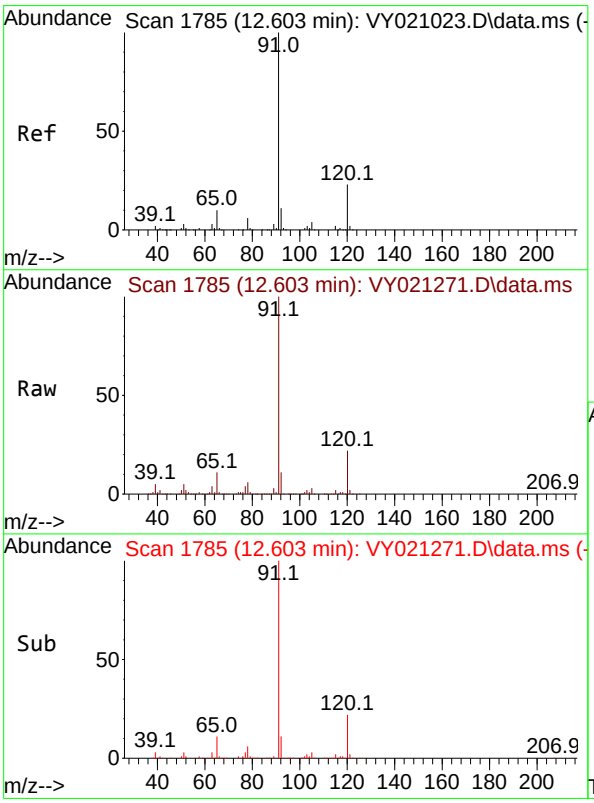
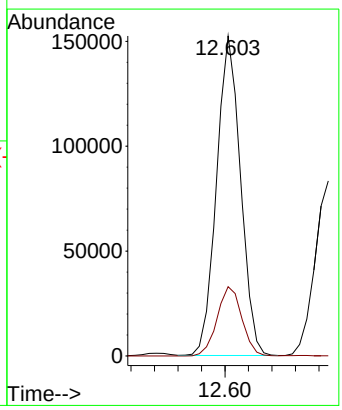
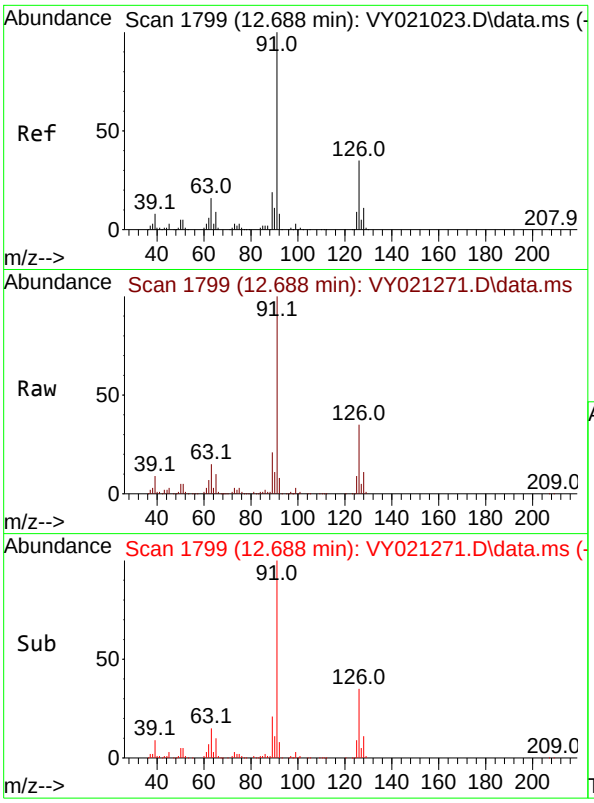


#78
n-propylbenzene
Concen: 59.298 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 91 Resp: 216304

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0

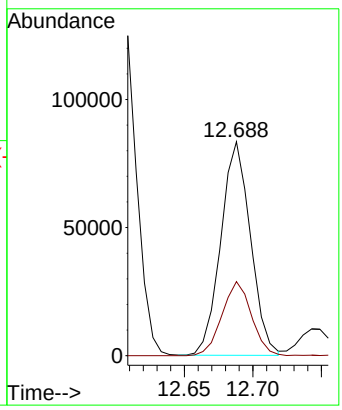




#79
2-Chlorotoluene
Concen: 60.199 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 91 Resp: 12577

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
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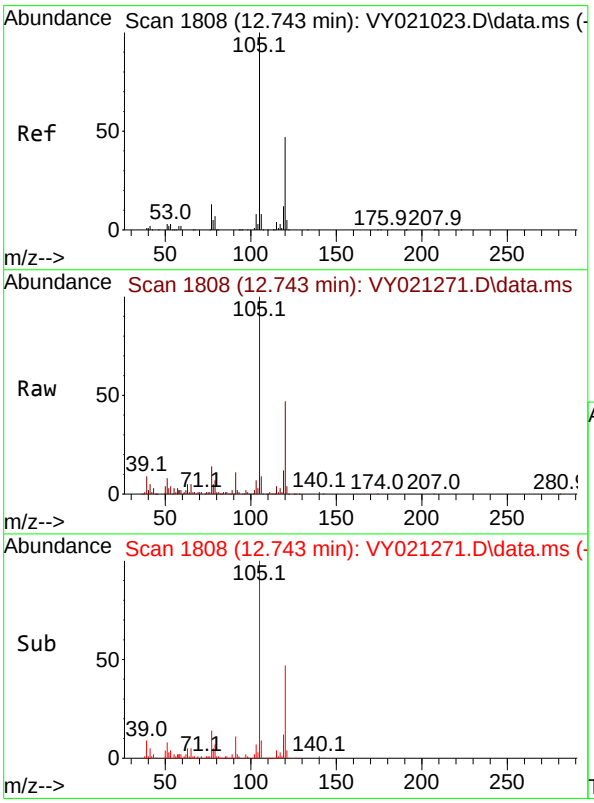
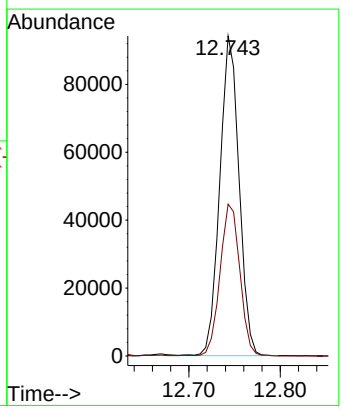
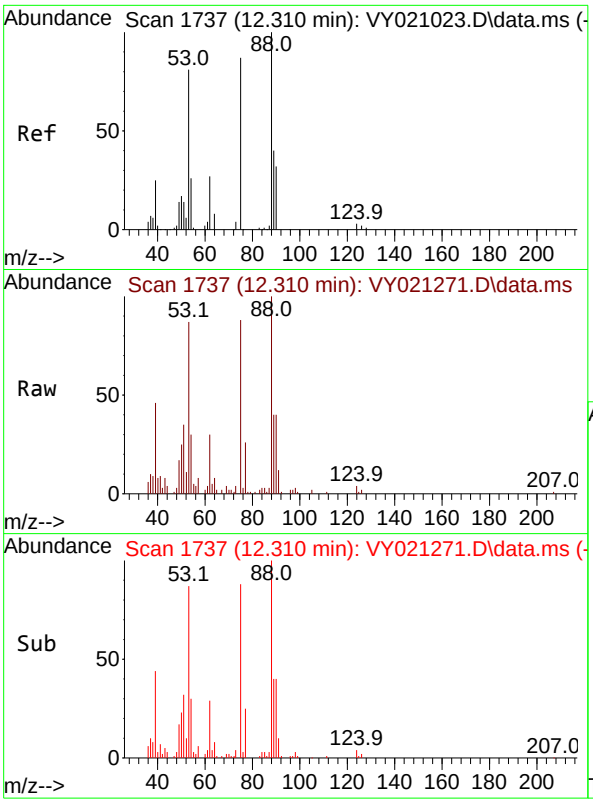


#80
1,3,5-Trimethylbenzene
Concen: 55.622 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:105 Resp: 138094

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 73.132 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 75 Resp: 1274

Ion	Ratio	Lower	Upper
75	100		
53	102.5	74.0	111.0
89	46.7	36.5	54.7

Instrument :
MSVOA_Y
ClientSampleId :
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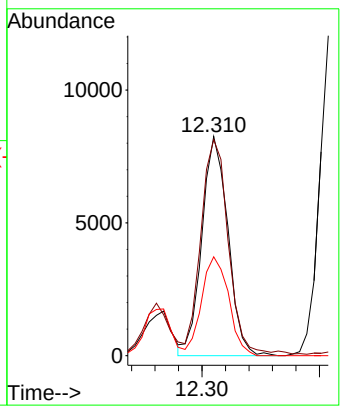
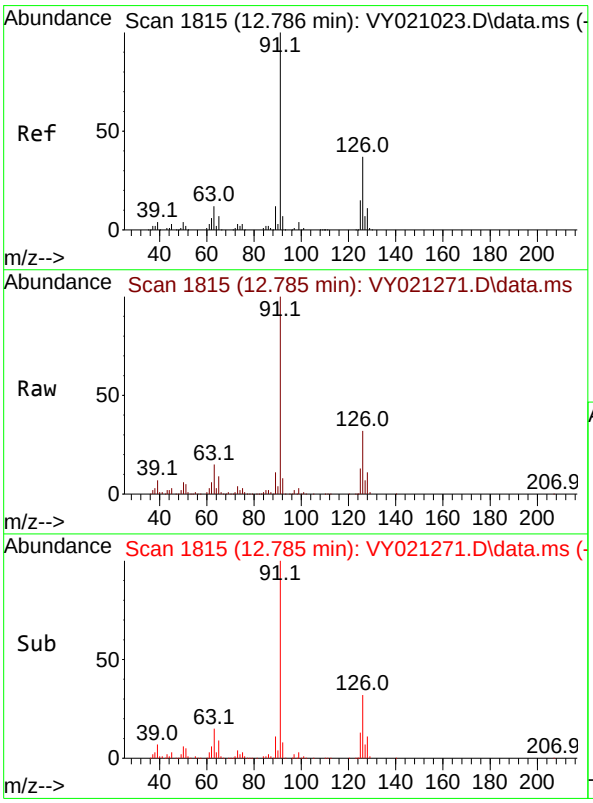
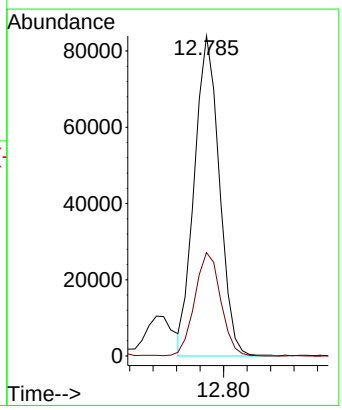


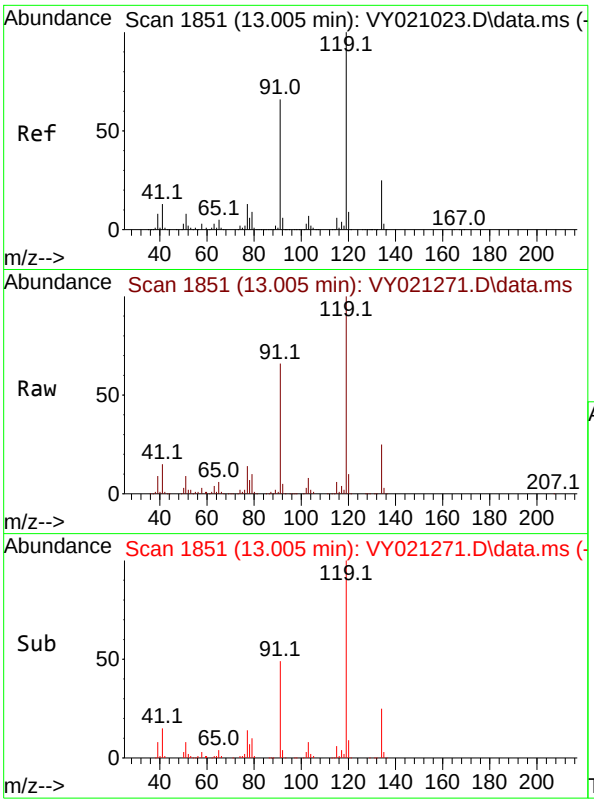


#82
4-Chlorotoluene
Concen: 58.169 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 91 Resp: 123820

Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.2

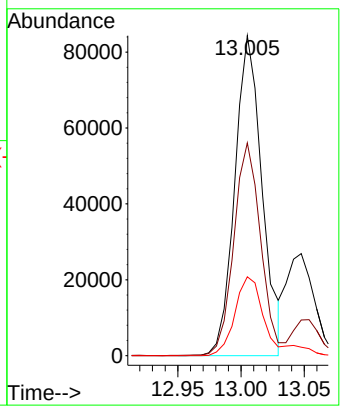




#83
tert-Butylbenzene
Concen: 56.208 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:119 Resp: 12684

Ion	Ratio	Lower	Upper
119	100		
91	66.0	31.5	94.5
134	27.9	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
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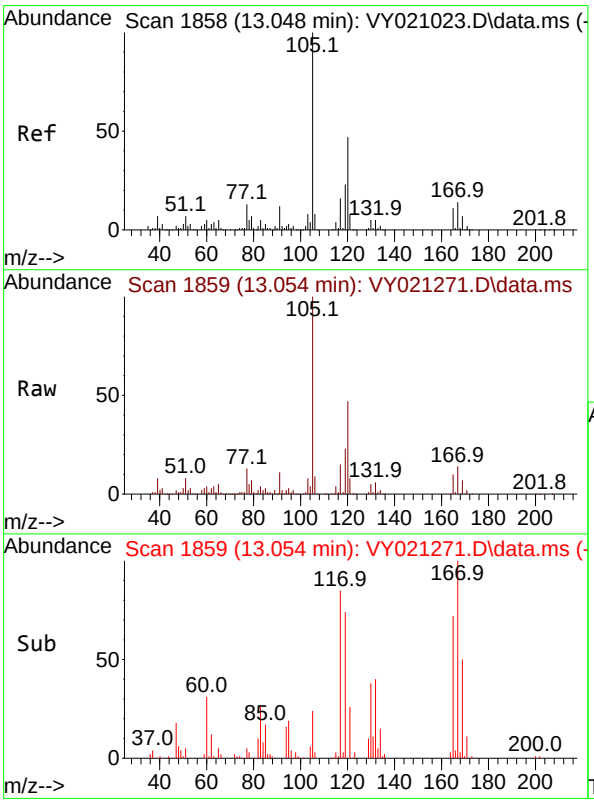
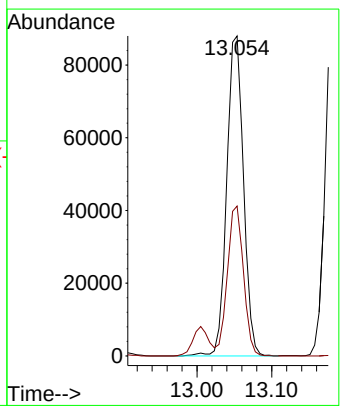
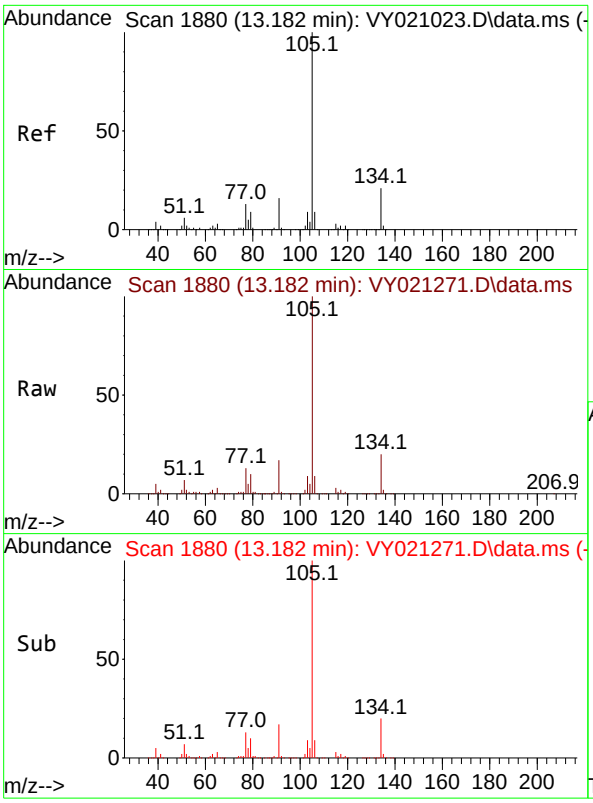


#84
1,2,4-Trimethylbenzene
Concen: 56.380 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:105 Resp: 136863

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.3

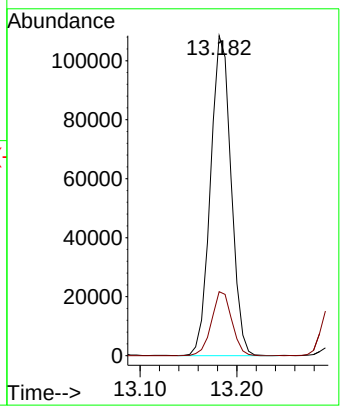




#85
sec-Butylbenzene
Concen: 49.230 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:105 Resp: 15991

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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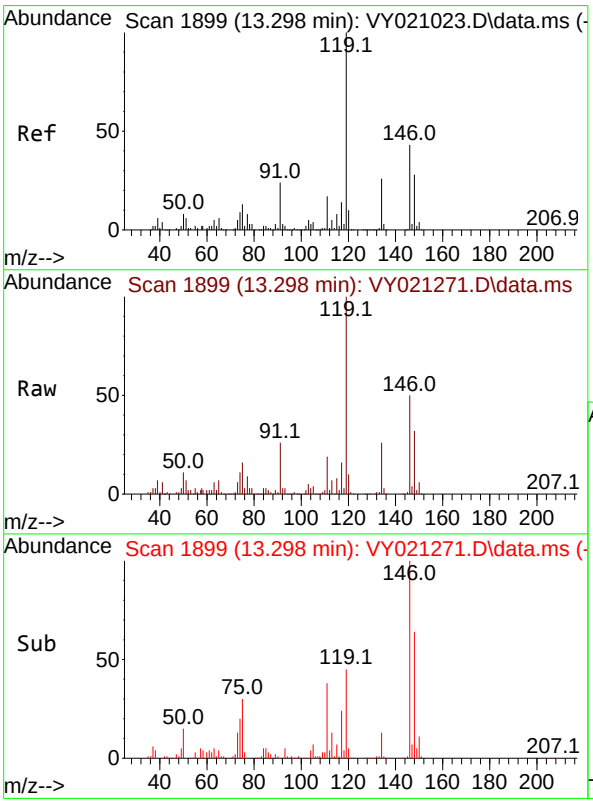
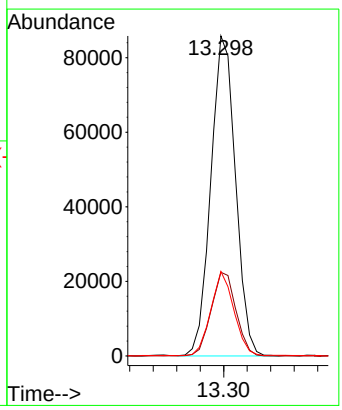
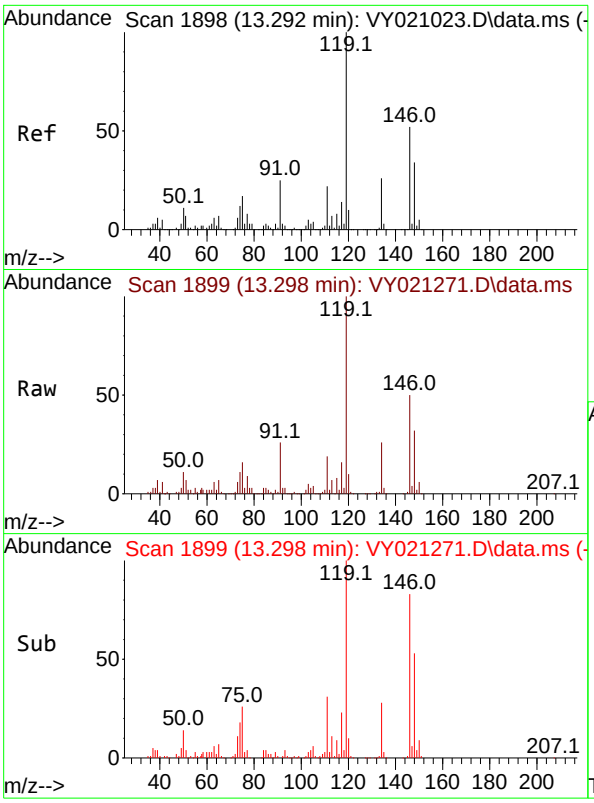


#86
p-Isopropyltoluene
Concen: 46.418 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:119 Resp: 125252

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.5	11.7	35.0

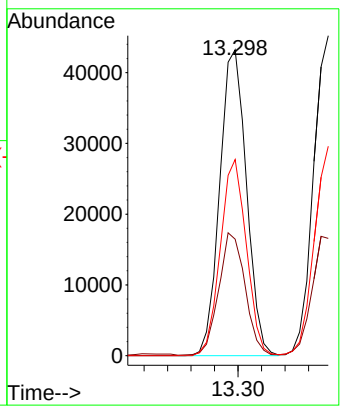




#87
1,3-Dichlorobenzene
Concen: 50.105 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:146 Resp: 6836

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.5
148	62.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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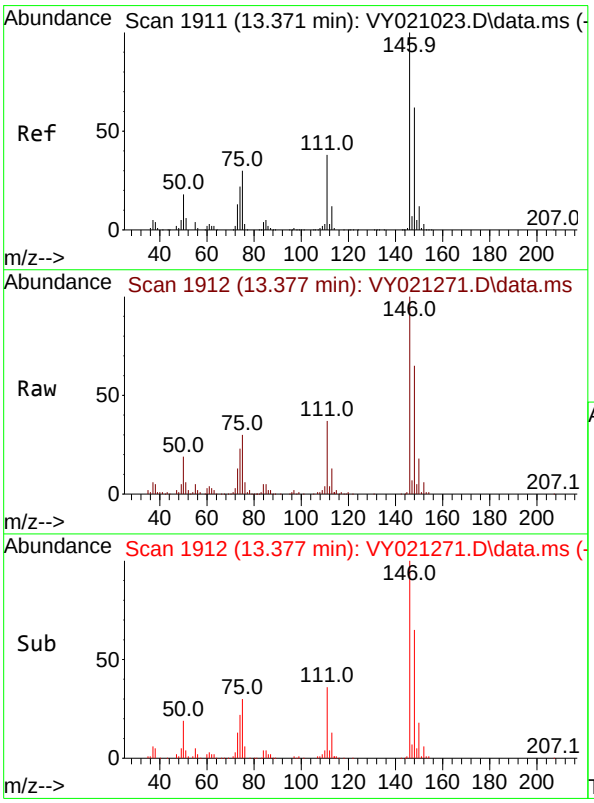
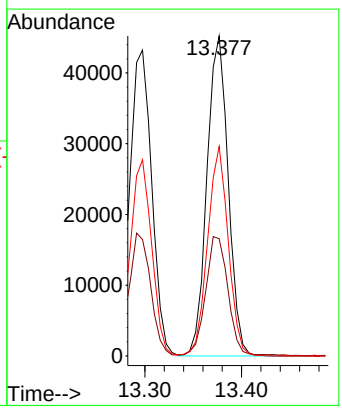
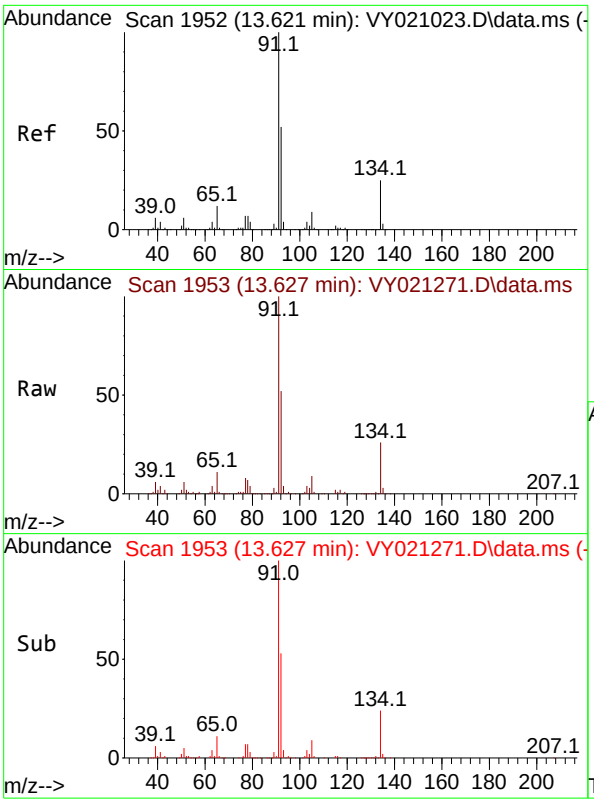


#88
1,4-Dichlorobenzene
Concen: 51.400 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:146 Resp: 69053

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.9
148	63.7	31.6	94.7

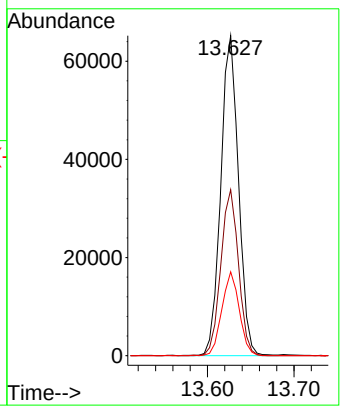




#89
n-Butylbenzene
Concen: 37.645 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 91 Resp: 9267

Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.4	79.2
134	25.7	12.3	36.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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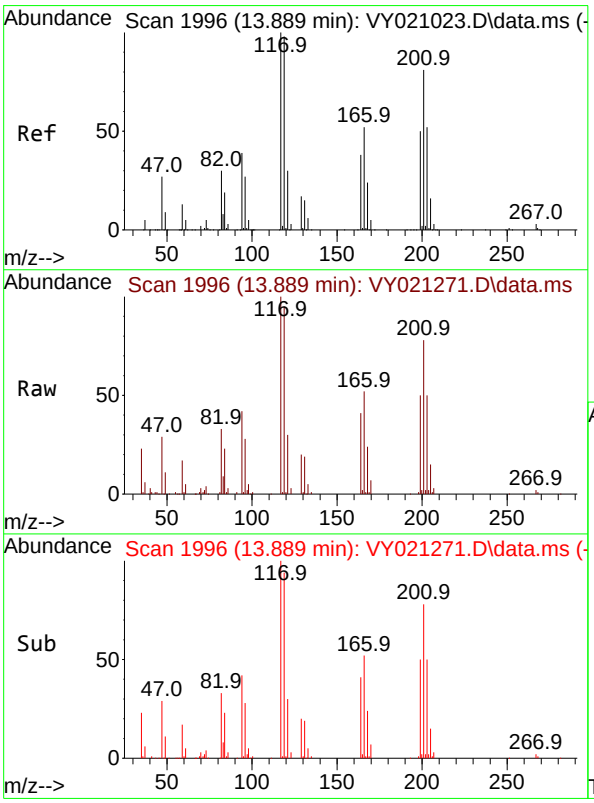
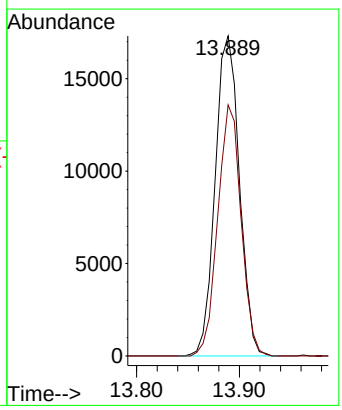
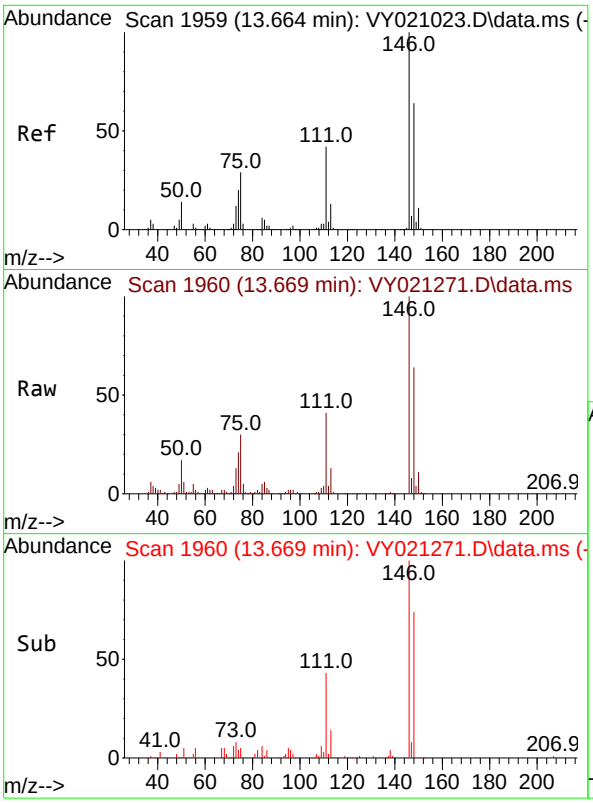


#90
Hexachloroethane
Concen: 50.314 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:117 Resp: 28323

Ion	Ratio	Lower	Upper
117	100		
201	75.6	33.4	100.1

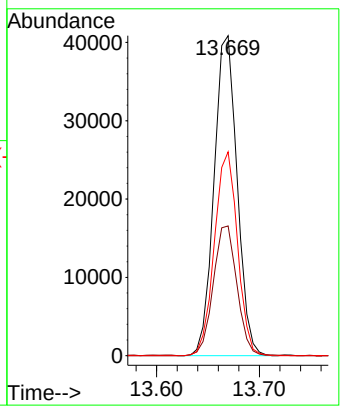




#91
1,2-Dichlorobenzene
Concen: 53.674 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:146 Resp: 6356

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.6
148	63.7	31.4	94.3



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

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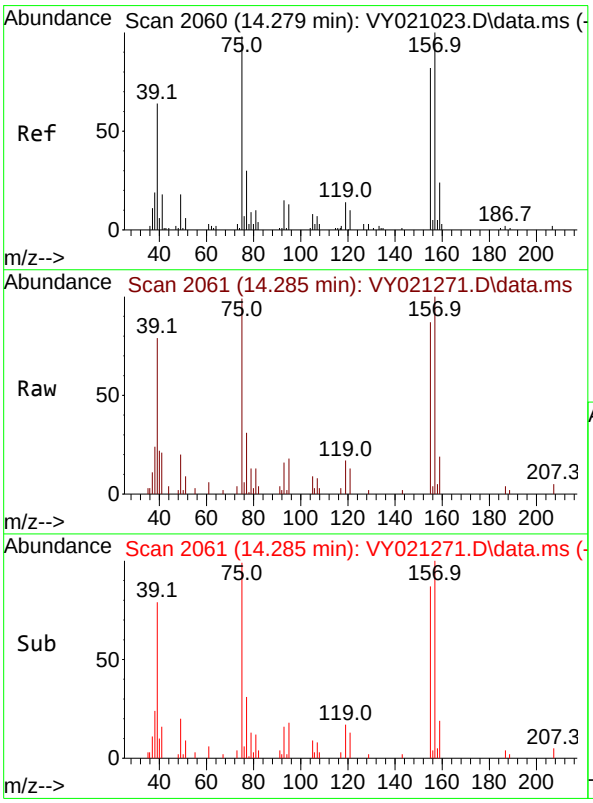
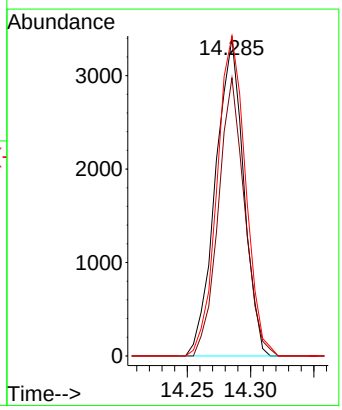
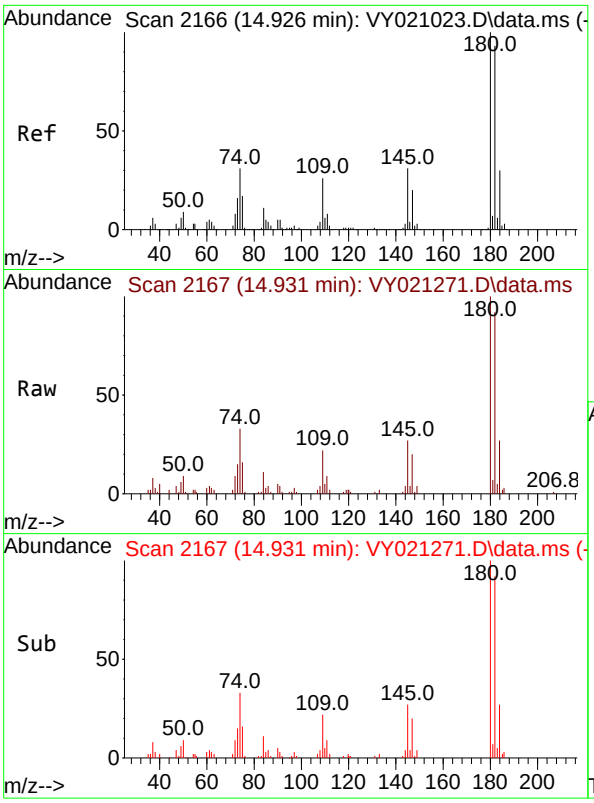


#92
1,2-Dibromo-3-Chloropropane
Concen: 68.893 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion: 75 Resp: 5243

Ion	Ratio	Lower	Upper
75	100		
155	81.5	42.1	126.3
157	102.0	55.8	167.4

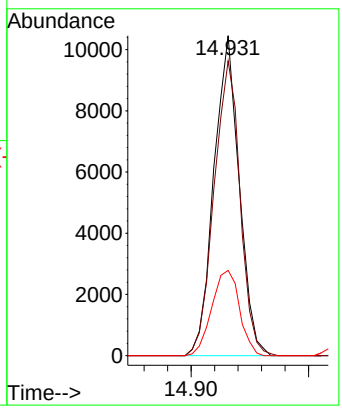




#93
1,2,4-Trichlorobenzene
Concen: 23.704 ug/l
RT: 14.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:180 Resp: 1562

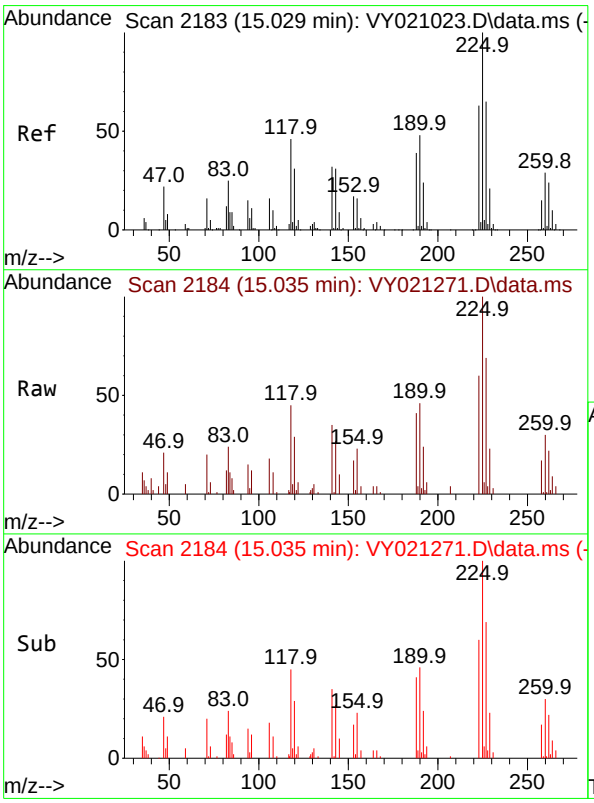
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	29.2	15.9	47.7



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
APPROVED

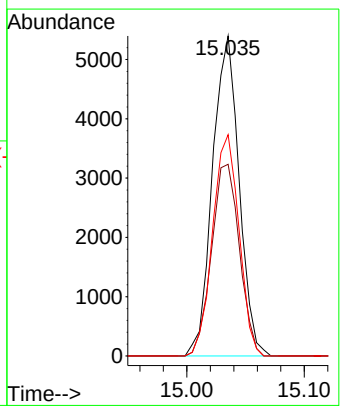
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

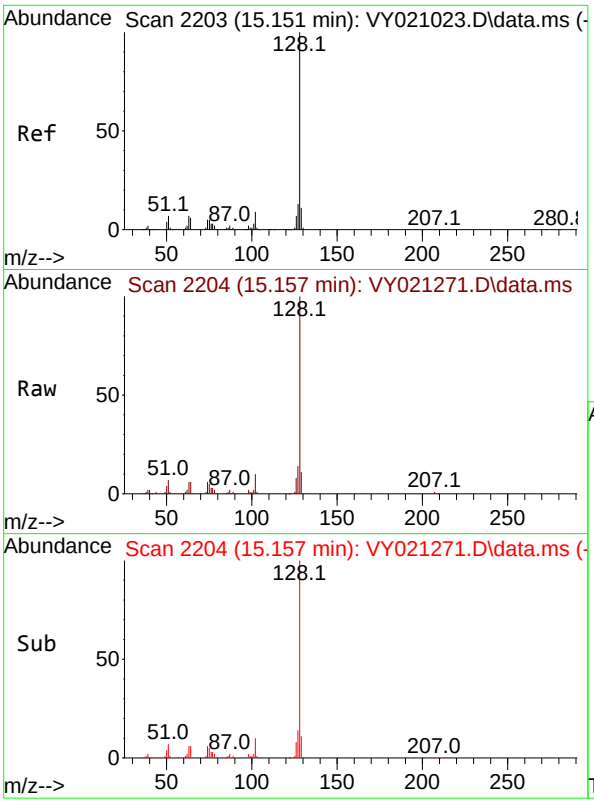


#94
Hexachlorobutadiene
Concen: 19.415 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:225 Resp: 8481

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.3
227	68.6	32.3	96.8

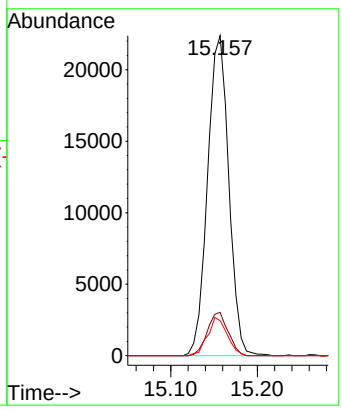




#95
Naphthalene
Concen: 36.089 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:128 Resp: 3806

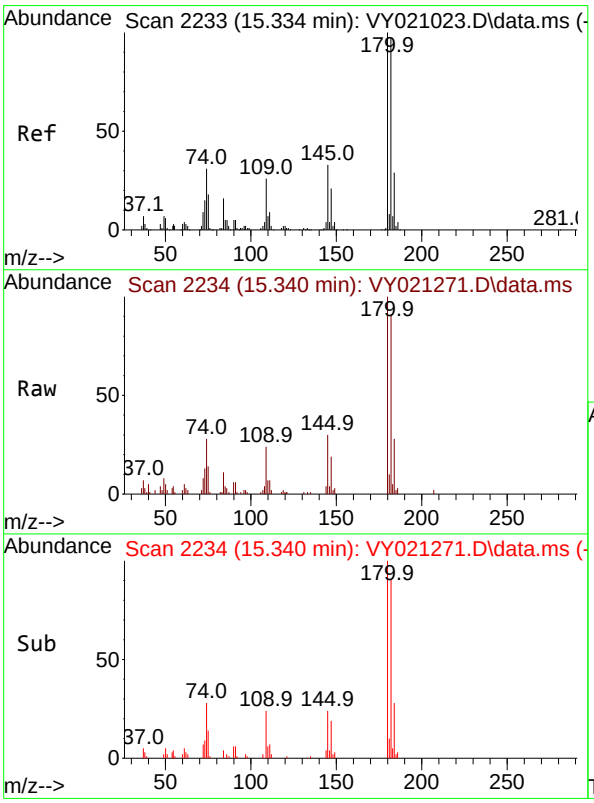
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.0	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Manual Integrations
APPROVED

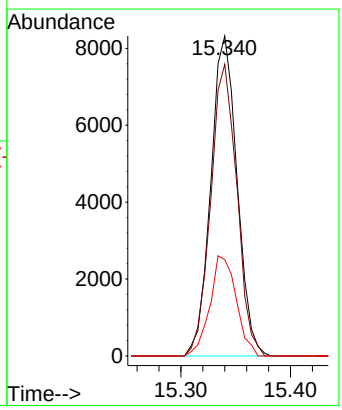
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 25.216 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021271.D
Acq: 20 Feb 2025 23:43

Tgt Ion:180 Resp: 13833

Ion	Ratio	Lower	Upper
180	100		
182	90.8	46.3	138.8
145	31.4	16.1	48.2



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021272.D
Acq On : 21 Feb 2025 00:06
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 21 02:50:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	73874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	110852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	88371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	32849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	36933	48.795	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.600%			
35) Dibromofluoromethane	7.646	113	33518	47.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.360%			
50) Toluene-d8	10.115	98	118230	43.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.420%			
62) 4-Bromofluorobenzene	12.414	95	33834	38.292	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	43850	66.598	ug/l	94
3) Chloromethane	2.074	50	40661	62.583	ug/l	95
4) Vinyl Chloride	2.214	62	46621	71.290	ug/l	97
5) Bromomethane	2.611	94	25886	64.044	ug/l	97
6) Chloroethane	2.745	64	27155	69.756	ug/l	93
7) Trichlorofluoromethane	3.074	101	83098	69.748	ug/l	100
8) Diethyl Ether	3.464	74	21235	57.094	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.830	101	50773	67.901	ug/l	96
10) Methyl Iodide	4.025	142	43155	51.948	ug/l	92
11) Tert butyl alcohol	4.884	59	12255	238.928	ug/l	95
12) 1,1-Dichloroethene	3.805	96	42218	59.937	ug/l	91
13) Acrolein	3.665	56	16796	212.653	ug/l	99
14) Allyl chloride	4.403	41	67979	57.264	ug/l	93
15) Acrylonitrile	5.080	53	52077	336.245	ug/l	99
16) Acetone	3.885	43	42735	362.049	ug/l	92
17) Carbon Disulfide	4.122	76	115858	52.455	ug/l	98
18) Methyl Acetate	4.403	43	30158	72.782	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	107274	60.255	ug/l	99
20) Methylene Chloride	4.635	84	42699	58.190	ug/l	89
21) trans-1,2-Dichloroethene	5.134	96	40749	52.556	ug/l	96
22) Diisopropyl ether	6.031	45	149039	60.910	ug/l	94
23) Vinyl Acetate	5.976	43	428017	313.784	ug/l	97
24) 1,1-Dichloroethane	5.933	63	82724	57.703	ug/l	99
25) 2-Butanone	6.909	43	62926	324.417	ug/l	94
26) 2,2-Dichloropropane	6.896	77	76272	57.499	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	49132	55.053	ug/l	92
28) Bromochloromethane	7.262	49	34953	61.658	ug/l	94
29) Tetrahydrofuran	7.274	42	42010	320.076	ug/l	93
30) Chloroform	7.433	83	84954	57.692	ug/l	99
31) Cyclohexane	7.713	56	77014	59.655	ug/l	96
32) 1,1,1-Trichloroethane	7.634	97	82715	60.418	ug/l	99
36) 1,1-Dichloropropene	7.847	75	62400	59.301	ug/l	99
37) Ethyl Acetate	7.000	43	30679	66.461	ug/l	98
38) Carbon Tetrachloride	7.829	117	78096	63.518	ug/l	99
39) Methylcyclohexane	9.115	83	68468	53.196	ug/l	98
40) Benzene	8.091	78	179850	58.242	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021272.D
Acq On : 21 Feb 2025 00:06
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

Quant Time: Feb 21 02:50:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	17857	66.866	ug/l		91
42) 1,2-Dichloroethane	8.164	62	53401	62.340	ug/l		97
43) Isopropyl Acetate	8.207	43	60859	66.351	ug/l		95
44) Trichloroethene	8.872	130	42995	53.891	ug/l		92
45) 1,2-Dichloropropane	9.152	63	44266	60.396	ug/l		98
46) Dibromomethane	9.237	93	24624	60.679	ug/l		98
47) Bromodichloromethane	9.432	83	65131	59.844	ug/l		96
48) Methyl methacrylate	9.231	41	27181	65.057	ug/l		91
49) 1,4-Dioxane	9.243	88	4837	1280.385	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.006	43	151681	328.850	ug/l		95
52) Toluene	10.176	92	107063	55.217	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	55083	56.365	ug/l		96
54) cis-1,3-Dichloropropene	9.865	75	64915	56.102	ug/l		94
55) 1,1,2-Trichloroethane	10.579	97	32933	62.670	ug/l		95
56) Ethyl methacrylate	10.444	69	42497	60.451	ug/l		88
57) 1,3-Dichloropropane	10.725	76	55662	61.196	ug/l		99
59) 2-Hexanone	10.768	43	97422	328.044	ug/l		93
60) Dibromochloromethane	10.920	129	43253	58.610	ug/l		100
61) 1,2-Dibromoethane	11.024	107	30026	61.001	ug/l		99
64) Tetrachloroethene	10.658	164	35593	54.256	ug/l		94
65) Chlorobenzene	11.450	112	106372	54.058	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	41275	59.025	ug/l		96
67) Ethyl Benzene	11.530	91	187491	53.871	ug/l		100
68) m/p-Xylenes	11.639	106	137512	105.615	ug/l		98
69) o-Xylene	11.962	106	64156	52.851	ug/l		93
70) Styrene	11.975	104	54807	27.089	ug/l	#	86
71) Bromoform	12.139	173	24095	61.904	ug/l	#	98
73) Isopropylbenzene	12.261	105	165641	64.553	ug/l		99
74) N-amyl acetate	12.078	43	45488	81.084	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.511	83	35928	84.189	ug/l		100
76) 1,2,3-Trichloropropane	12.566	75	23447m	78.686	ug/l		
77) Bromobenzene	12.542	156	37455	63.254	ug/l		99
78) n-propylbenzene	12.603	91	176689	57.805	ug/l		99
79) 2-Chlorotoluene	12.688	91	104363	59.612	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	112171	53.918	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	11041	75.605	ug/l		89
82) 4-Chlorotoluene	12.786	91	98552	55.251	ug/l		98
83) tert-Butylbenzene	13.005	119	105042	55.549	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	111770	54.947	ug/l		99
85) sec-Butylbenzene	13.182	105	131369	48.261	ug/l		100
86) p-Isopropyltoluene	13.298	119	102437	45.303	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	54216	47.419	ug/l		100
88) 1,4-Dichlorobenzene	13.377	146	54569	48.474	ug/l		98
89) n-Butylbenzene	13.627	91	73961	35.855	ug/l		99
90) Hexachloroethane	13.889	117	22616	47.945	ug/l		87
91) 1,2-Dichlorobenzene	13.669	146	51605	52.002	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4708	73.825	ug/l		98
93) 1,2,4-Trichlorobenzene	14.931	180	11634	21.062	ug/l		98
94) Hexachlorobutadiene	15.035	225	6313	17.246	ug/l		93
95) Naphthalene	15.157	128	29165	33.002	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	10016	21.789	ug/l		97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021272.D
Acq On : 21 Feb 2025 00:06
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 21 02:50:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
Data File : VY021272.D
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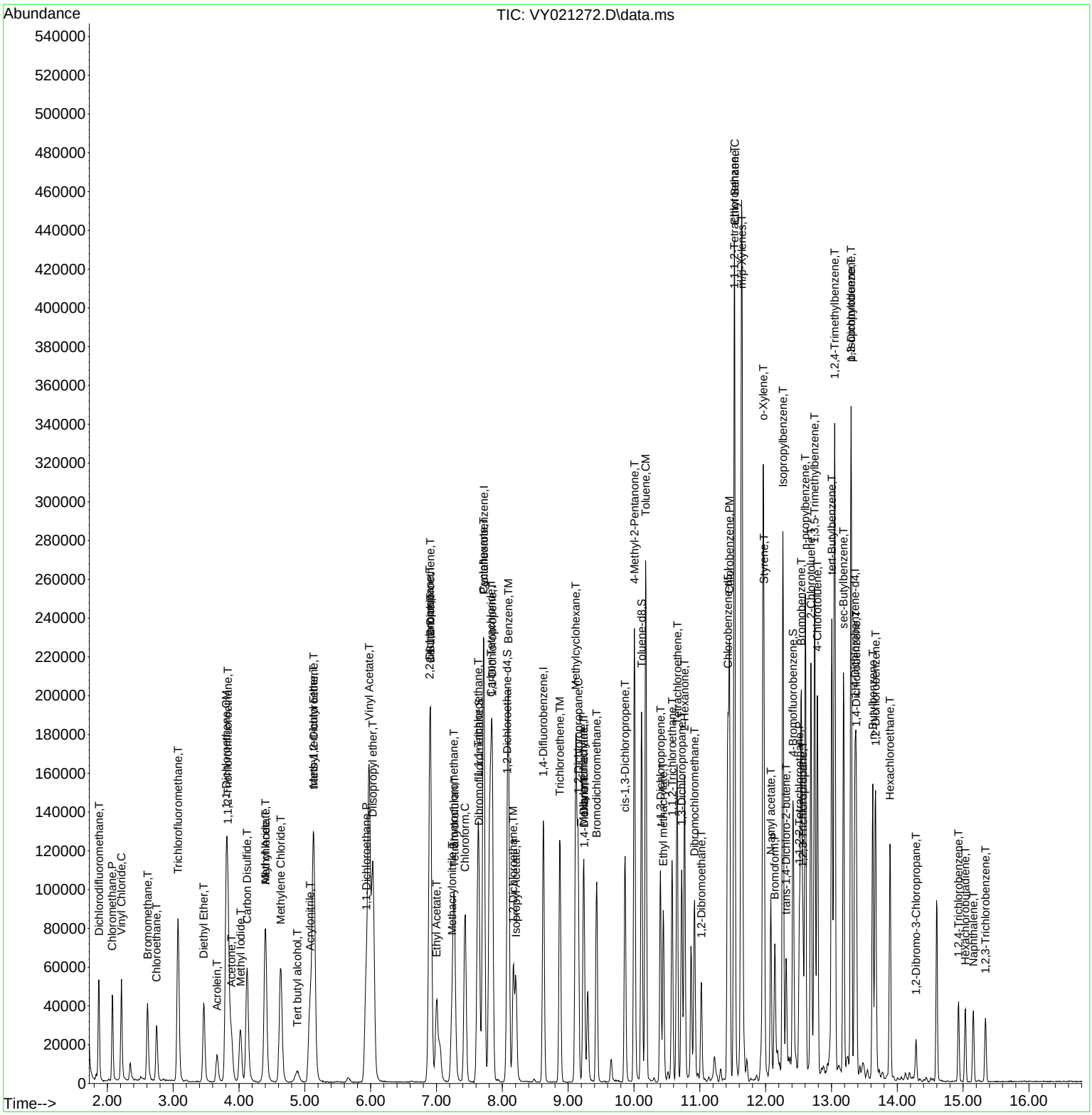
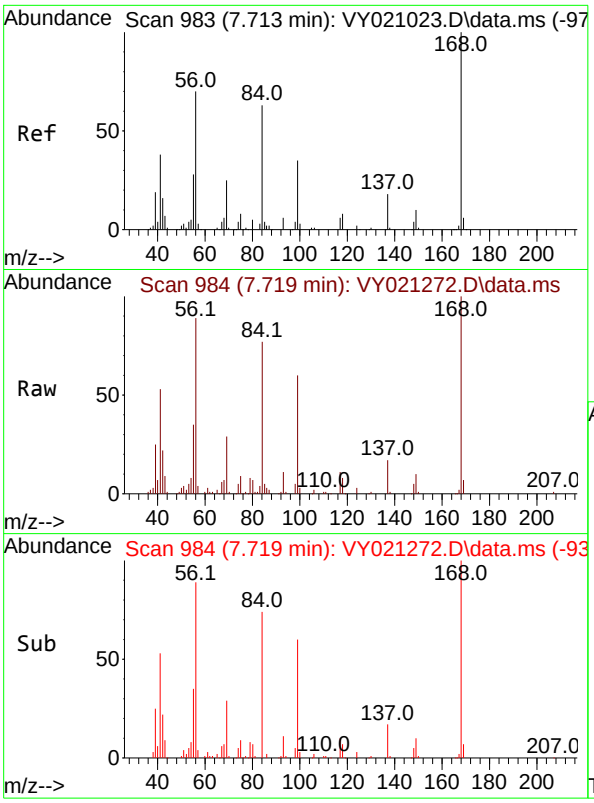
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

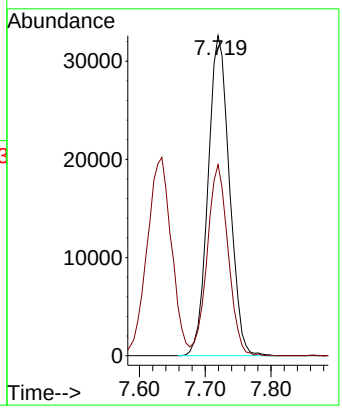
Tgt Ion:168 Resp: 7387

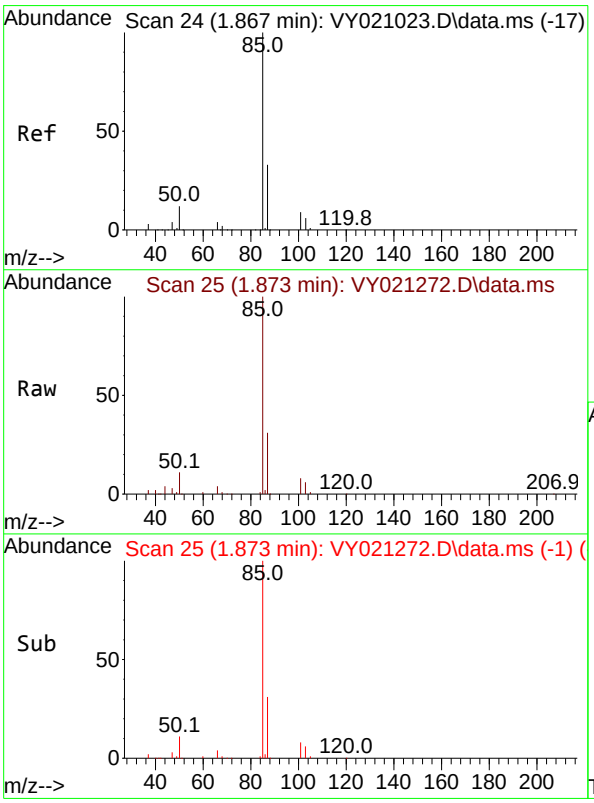
Ion	Ratio	Lower	Upper
168	100		
99	59.7	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

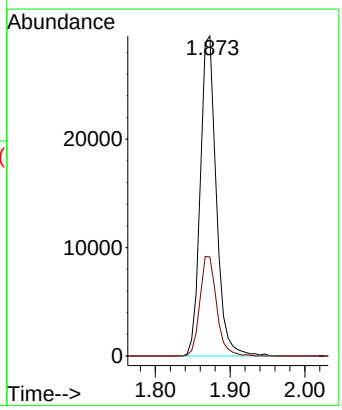


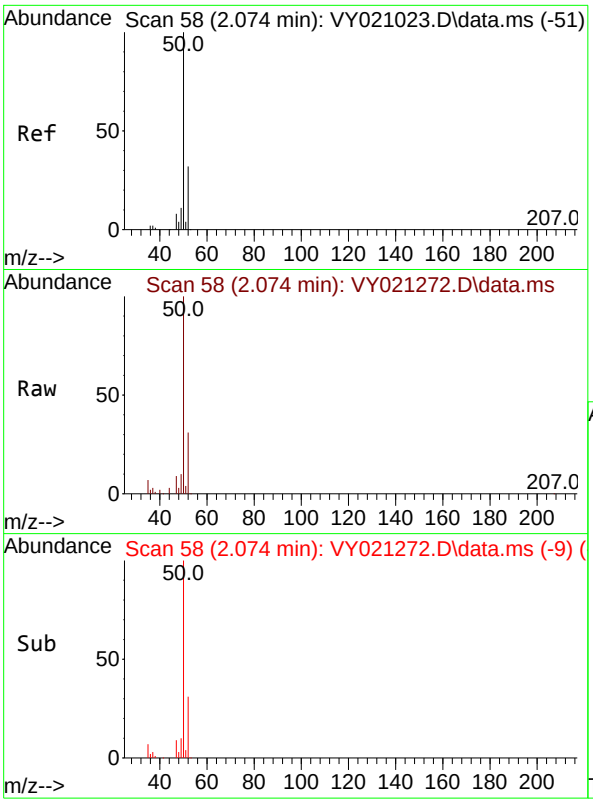


#2
Dichlorodifluoromethane
Concen: 66.598 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 85 Resp: 43850

Ion	Ratio	Lower	Upper
85	100		
87	31.0	17.1	51.3

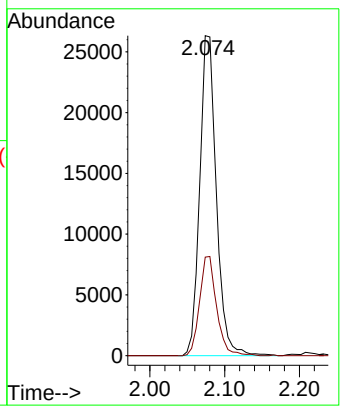




#3
Chloromethane
Concen: 62.583 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 50 Resp: 4066

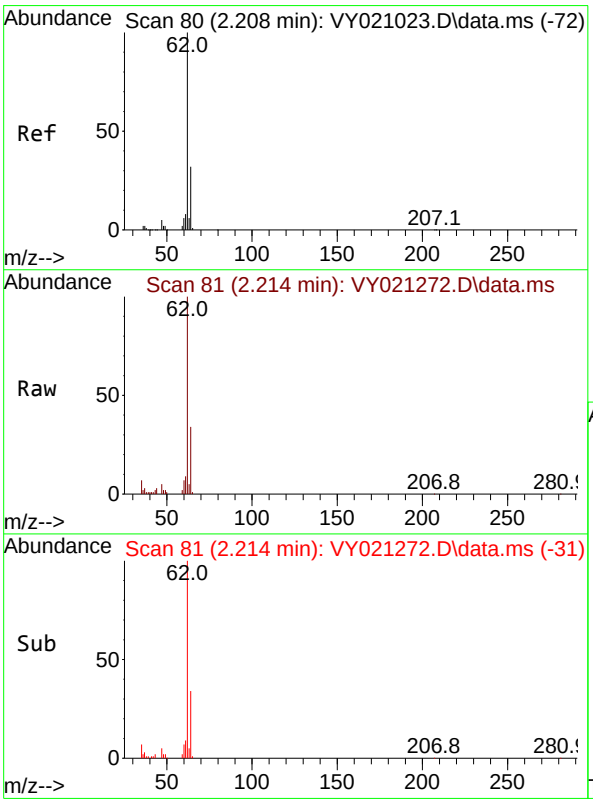
Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.7	40.1



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
APPROVED

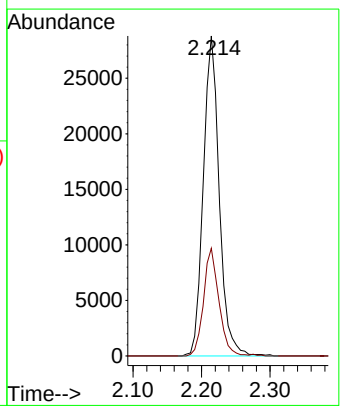
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

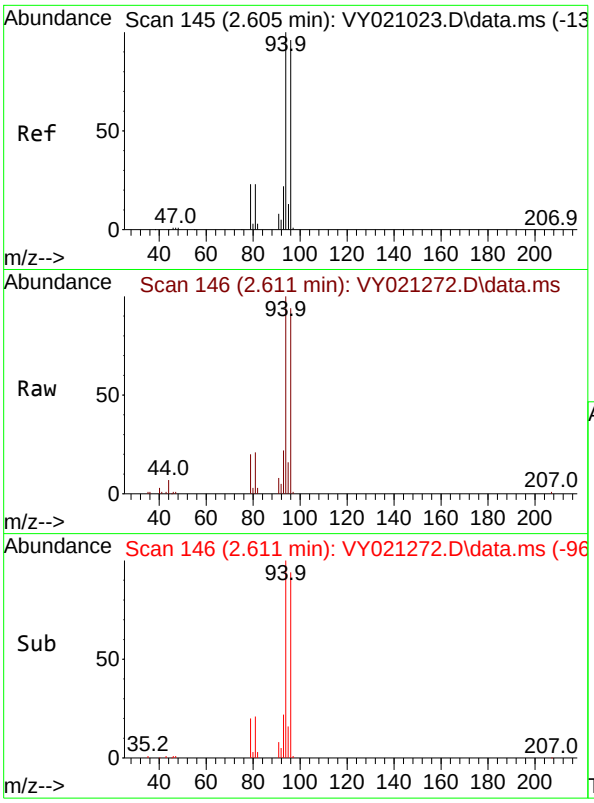


#4
Vinyl Chloride
Concen: 71.290 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 62 Resp: 46621

Ion	Ratio	Lower	Upper
62	100		
64	33.7	25.7	38.5

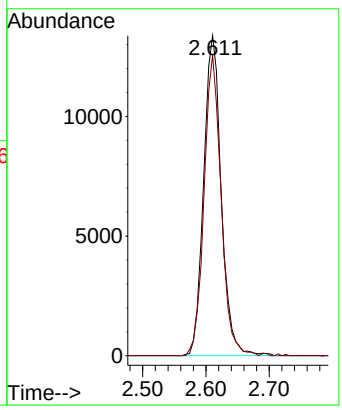




#5
Bromomethane
Concen: 64.044 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 94 Resp: 2588

Ion	Ratio	Lower	Upper
94	100		
96	93.9	77.3	115.9



Instrument :
MSVOA_Y
ClientSampleId :
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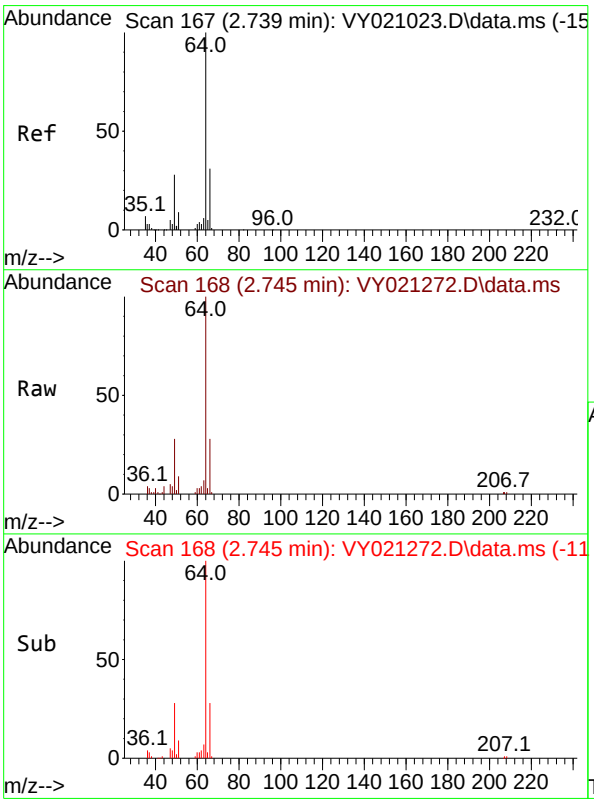
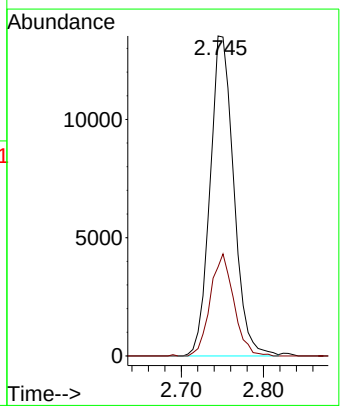
Supervised By :Semsettin Yesilyurt 02/21/2025

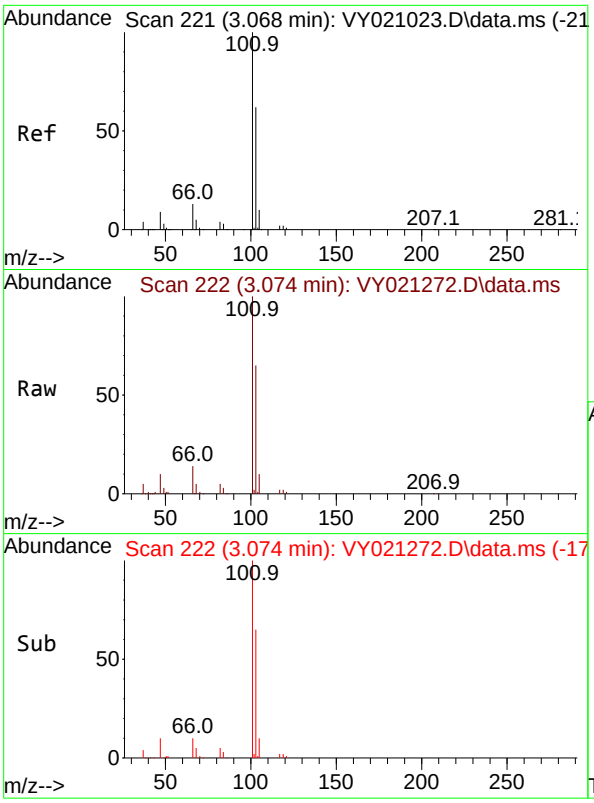


#6
Chloroethane
Concen: 69.756 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 64 Resp: 27155

Ion	Ratio	Lower	Upper
64	100		
66	27.8	25.1	37.7

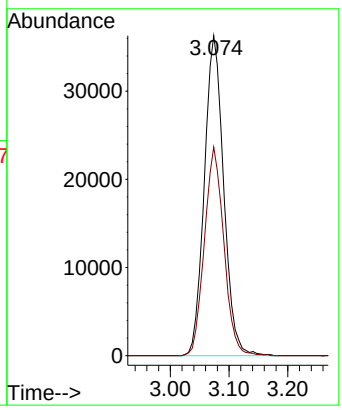




#7
Trichlorofluoromethane
Concen: 69.748 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:101 Resp: 8309

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.9	77.9



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ClientSampleId :
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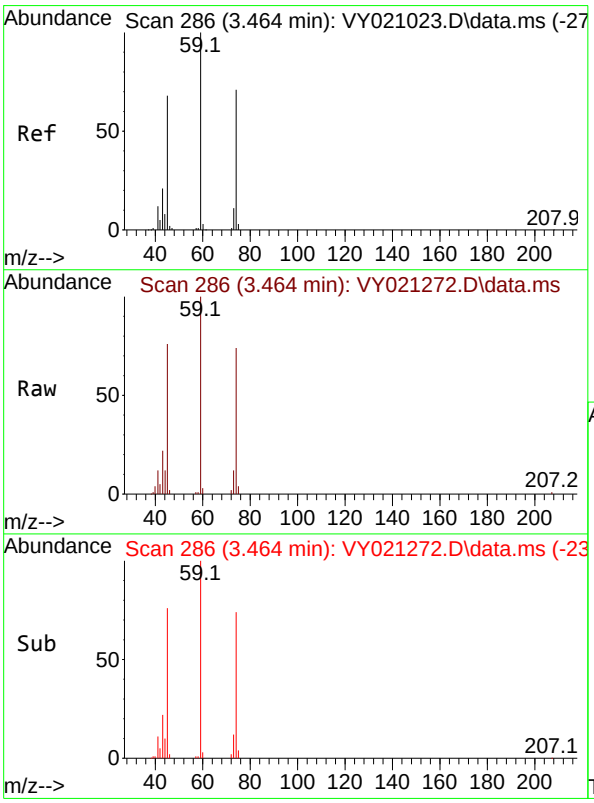
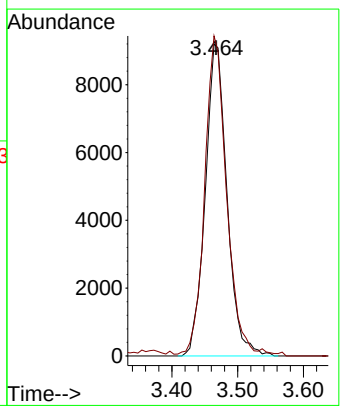
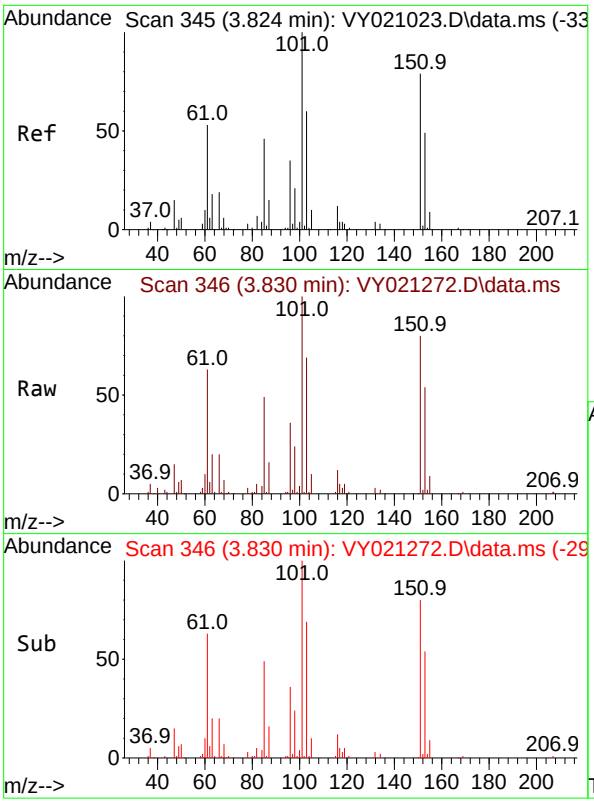


#8
Diethyl Ether
Concen: 57.094 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 74 Resp: 21235

Ion	Ratio	Lower	Upper
74	100		
45	100.6	47.9	143.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 67.901 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:101 Resp: 5077

Ion	Ratio	Lower	Upper
101	100		
85	46.2	35.8	53.6
151	77.8	58.6	88.0

Instrument :
MSVOA_Y
ClientSampleId :
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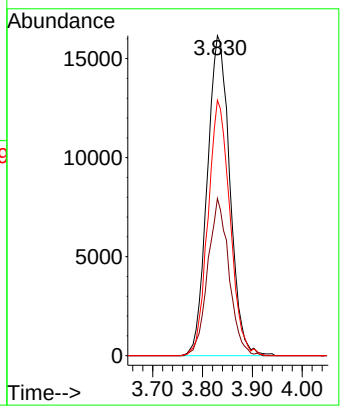
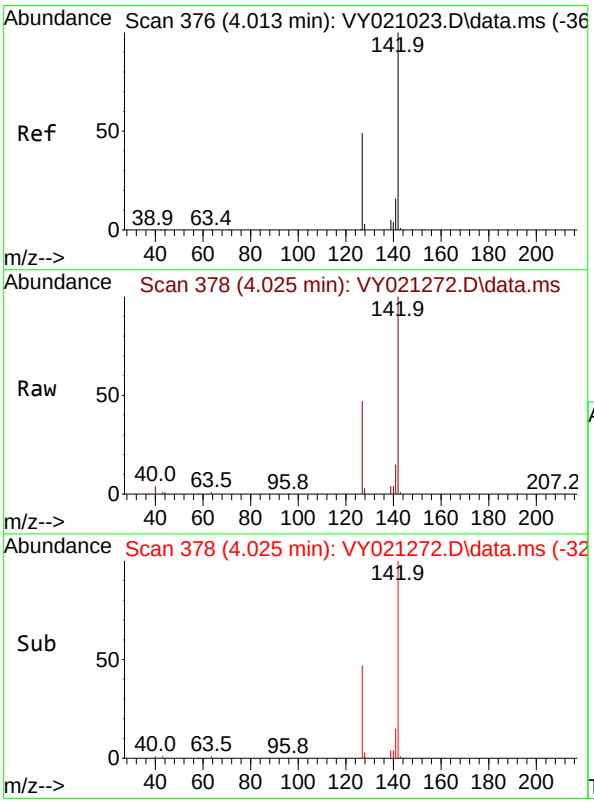
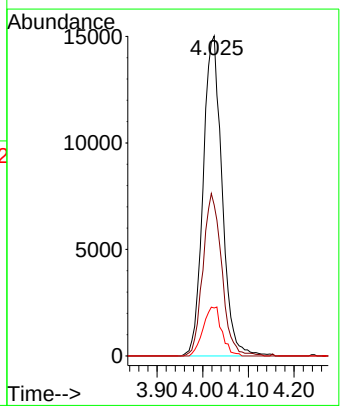


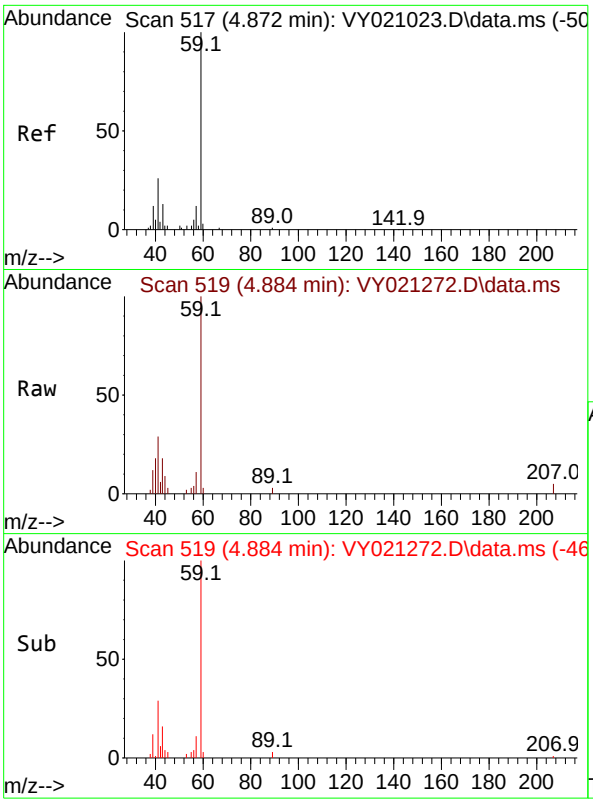


#10
Methyl Iodide
Concen: 51.948 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:142 Resp: 43155

Ion	Ratio	Lower	Upper
142	100		
127	50.6	35.1	52.7
141	15.2	11.8	17.6

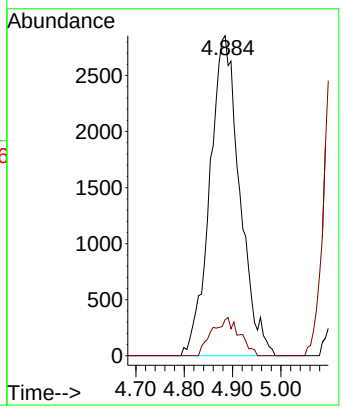




#11
Tert butyl alcohol
Concen: 238.928 ug/l
RT: 4.884 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 59 Resp: 1225

Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.4	11.0



Instrument :
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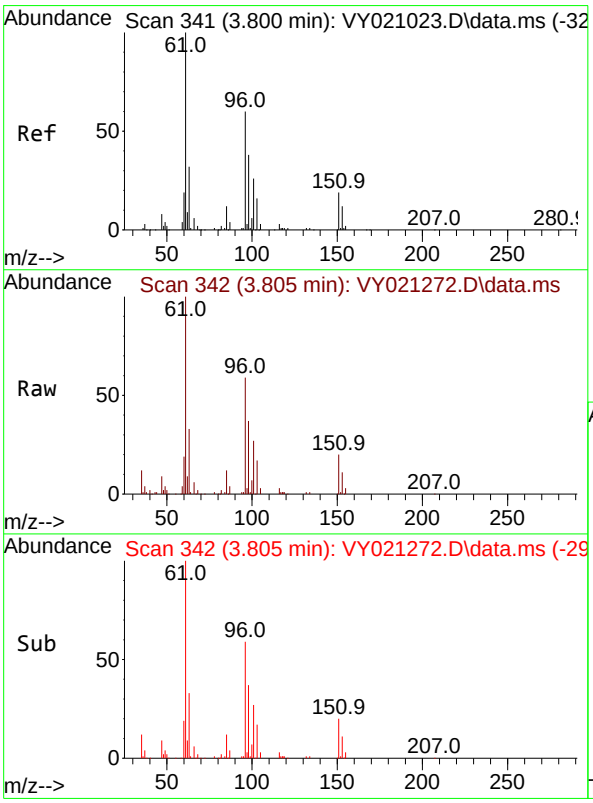
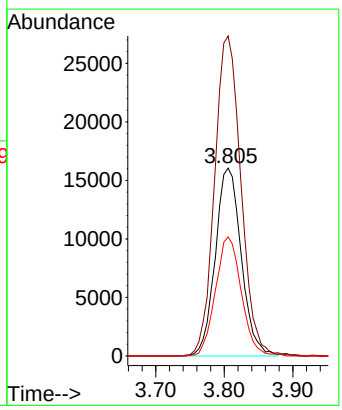
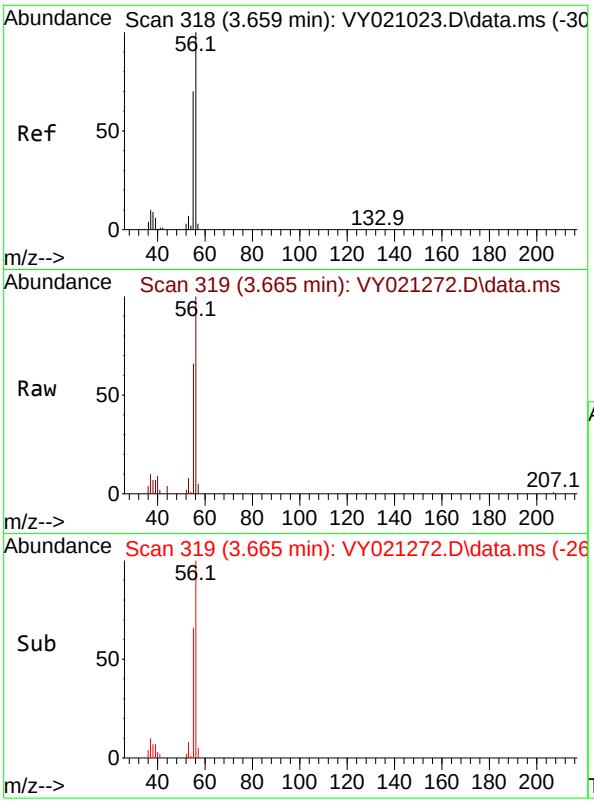


#12
1,1-Dichloroethene
Concen: 59.937 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 96 Resp: 42218

Ion	Ratio	Lower	Upper
96	100		
61	170.4	124.2	186.2
98	63.4	52.6	79.0

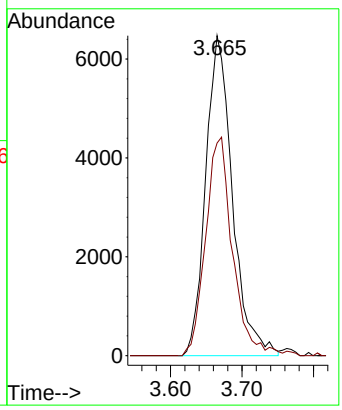




#13
Acrolein
Concen: 212.653 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 56 Resp: 1679

Ion	Ratio	Lower	Upper
56	100		
55	68.7	55.4	83.0



Instrument :
MSVOA_Y
ClientSampleId :
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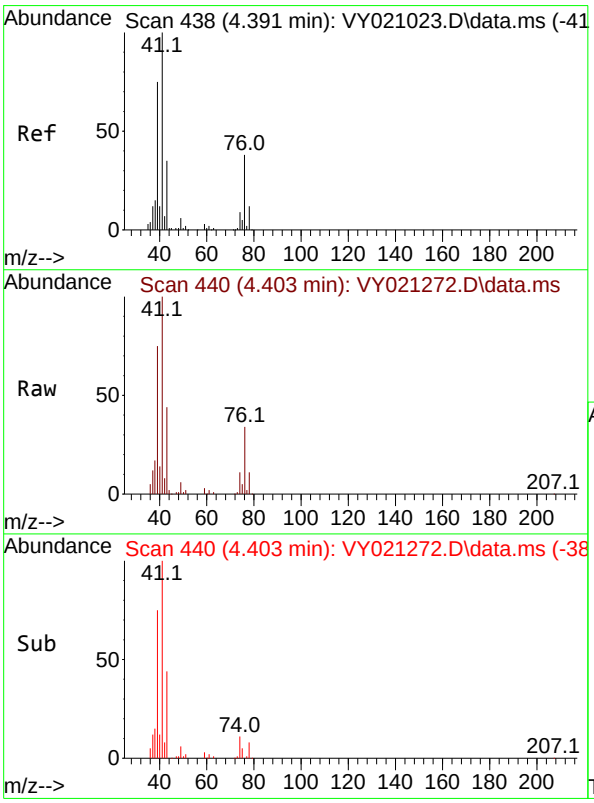
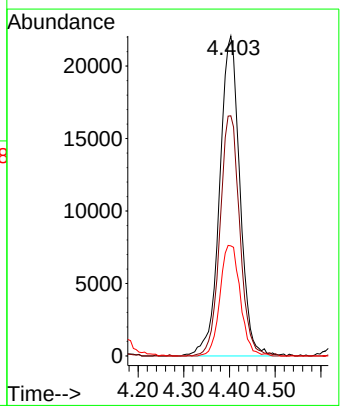
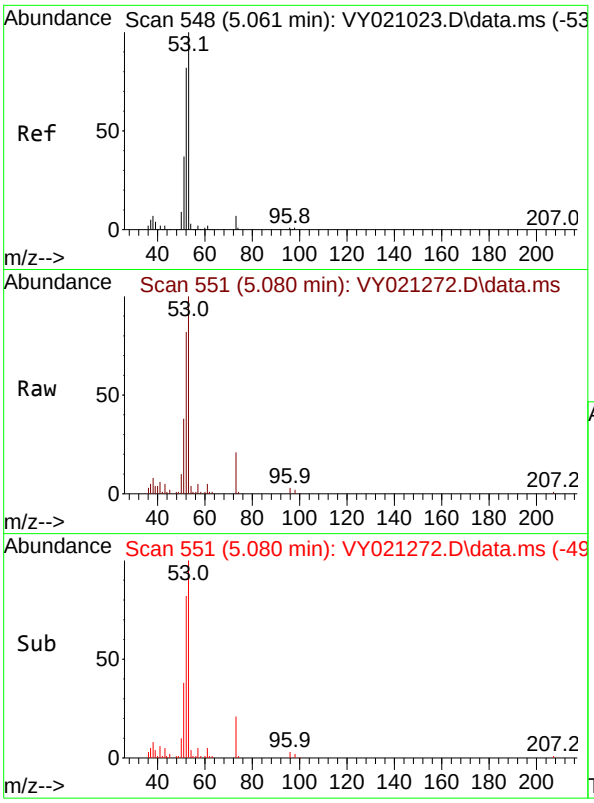


#14
Allyl chloride
Concen: 57.264 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 41 Resp: 67979

Ion	Ratio	Lower	Upper
41	100		
39	73.5	54.7	82.1
76	34.6	31.8	47.6





#15
Acrylonitrile
Concen: 336.245 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 53 Resp: 5207

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.1	97.7
51	37.3	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
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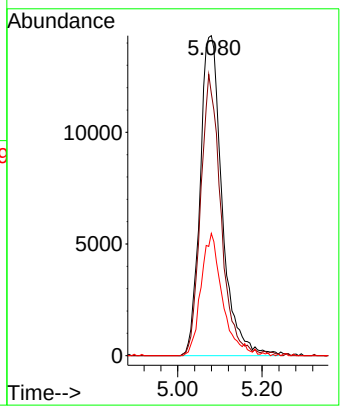
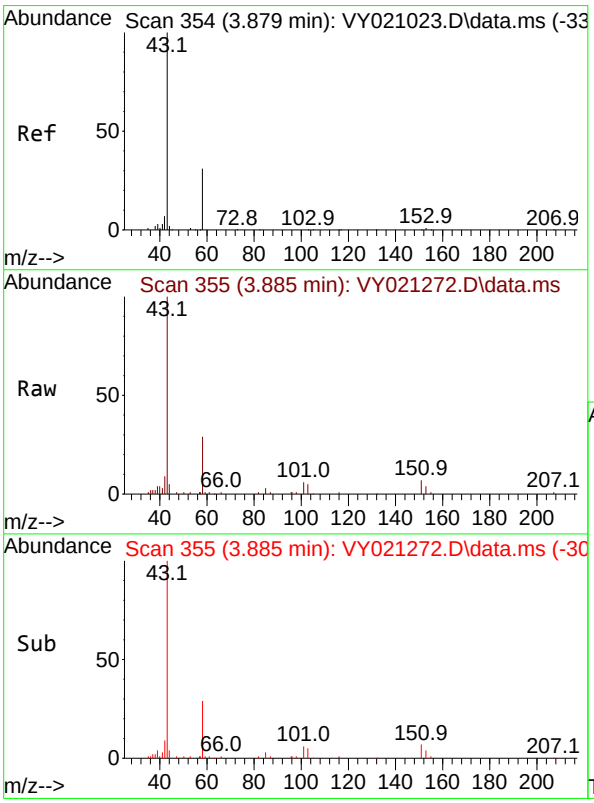
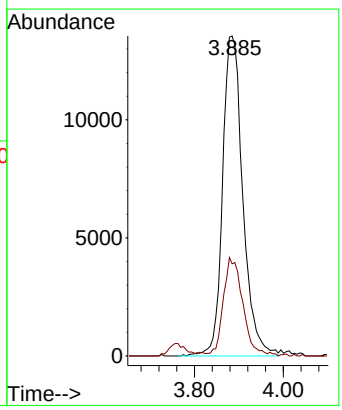


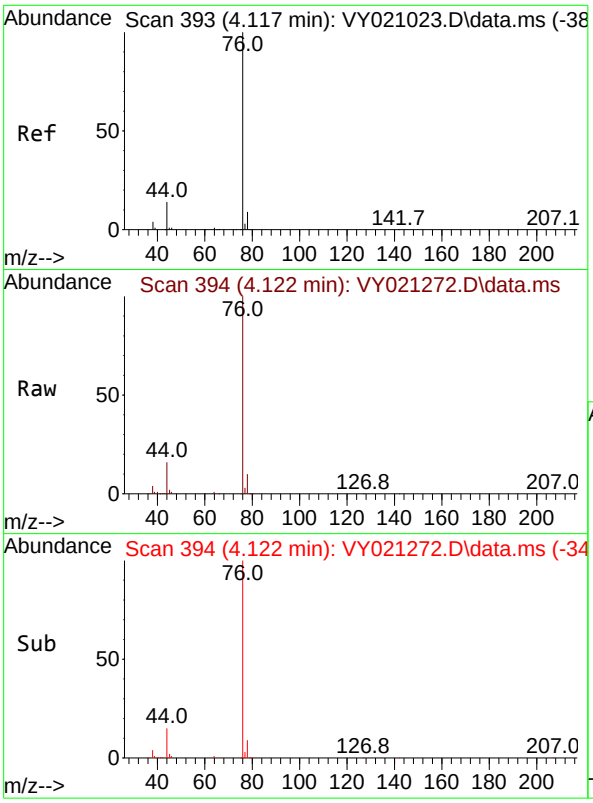


#16
Acetone
Concen: 362.049 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 42735

Ion	Ratio	Lower	Upper
43	100		
58	28.8	26.6	39.8

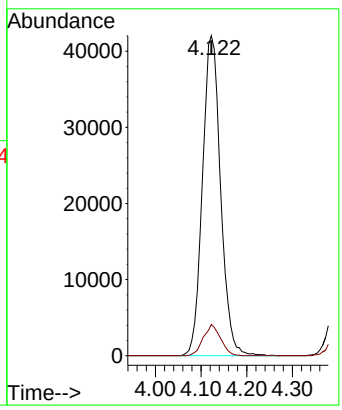




#17
Carbon Disulfide
Concen: 52.455 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 76 Resp: 11585

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.0



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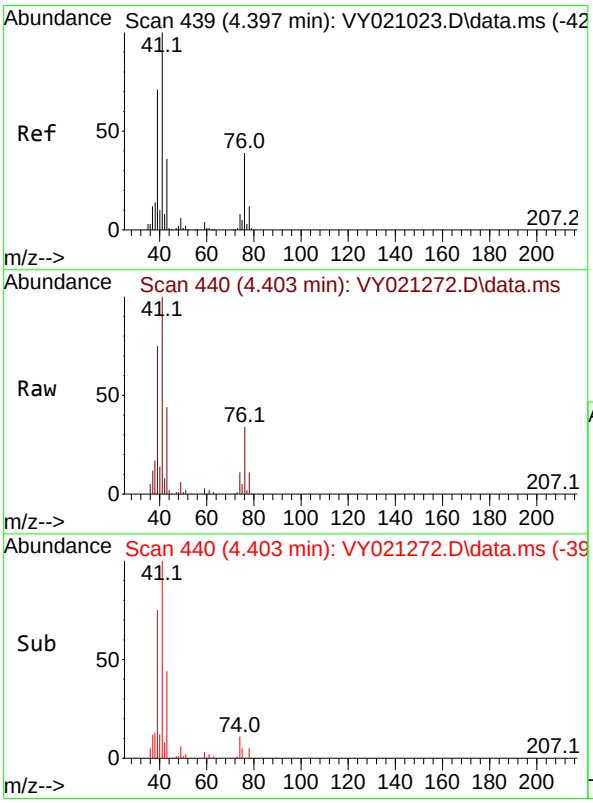
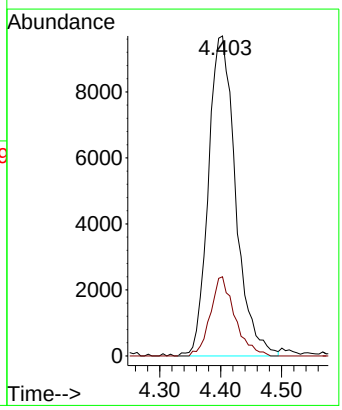
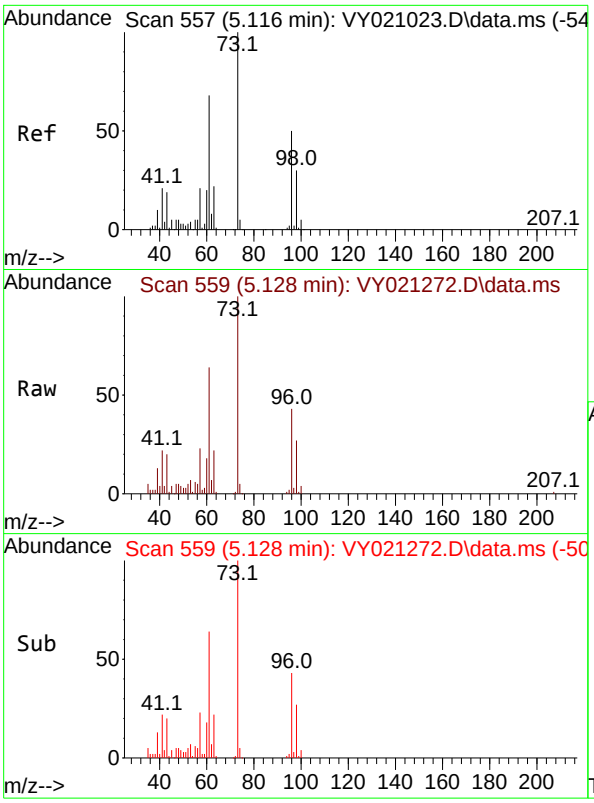


#18
Methyl Acetate
Concen: 72.782 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 30158

Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.8	29.6





#19
Methyl tert-butyl Ether
Concen: 60.255 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 73 Resp: 10727

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.7	26.5

Instrument :
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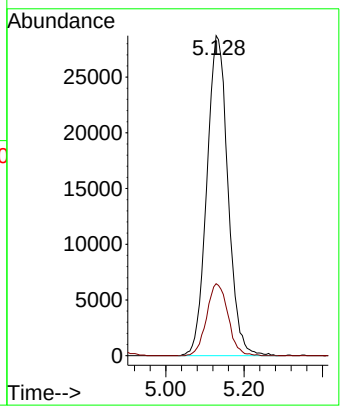
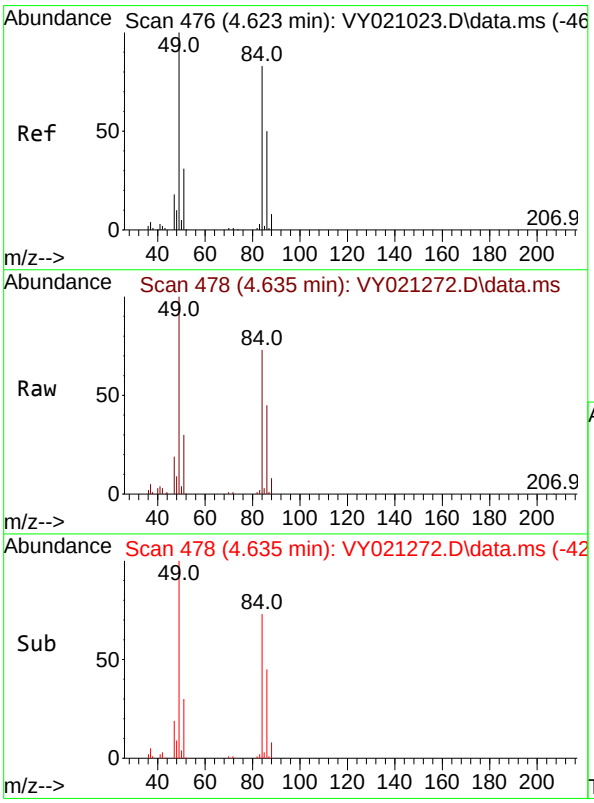
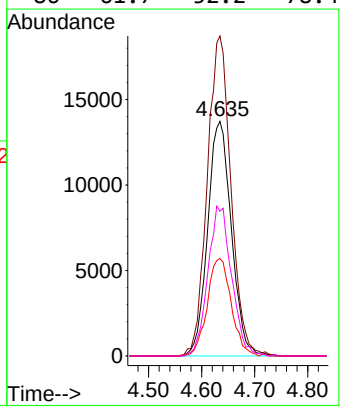


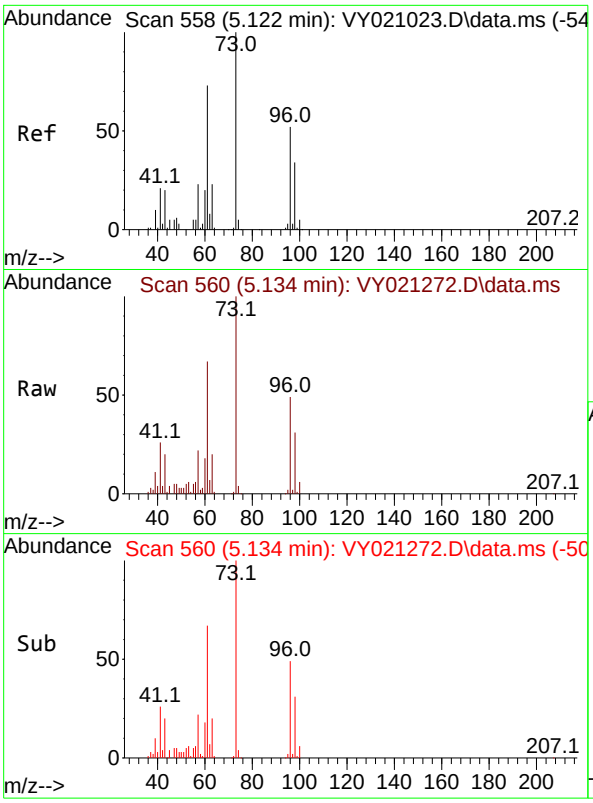


#20
Methylene Chloride
Concen: 58.190 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 84 Resp: 42699

Ion	Ratio	Lower	Upper
84	100		
49	136.4	95.2	142.8
51	41.6	29.9	44.9
86	61.7	52.2	78.4

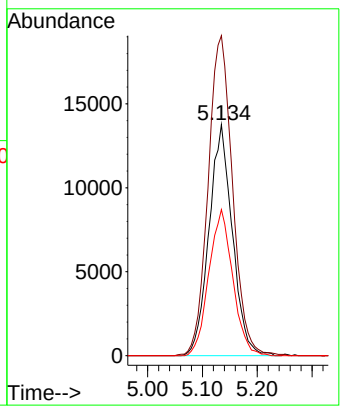




#21
trans-1,2-Dichloroethene
Concen: 52.556 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 96 Resp: 4074

Ion	Ratio	Lower	Upper
96	100		
61	138.1	104.6	156.8
98	63.2	50.9	76.3



Instrument :
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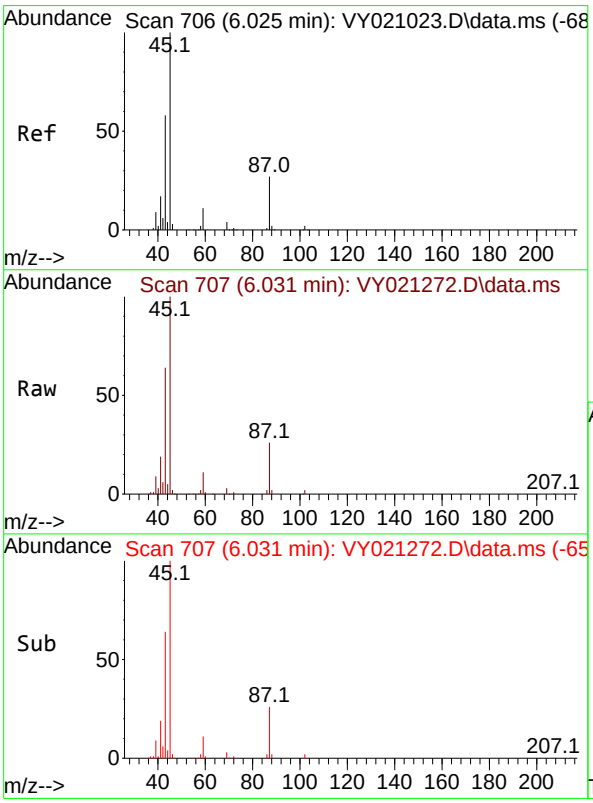
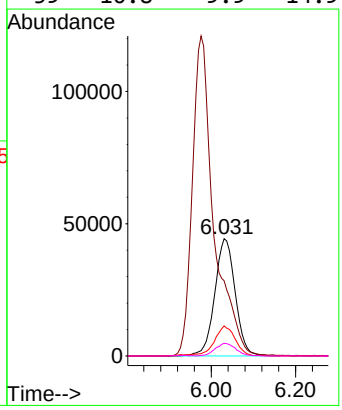
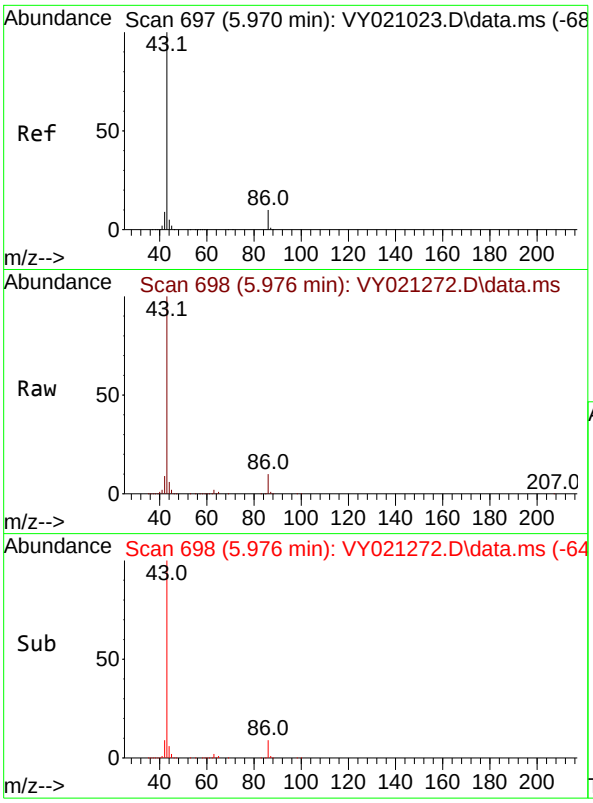


#22
Diisopropyl ether
Concen: 60.910 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 45 Resp: 149039

Ion	Ratio	Lower	Upper
45	100		
43	63.5	46.8	70.2
87	25.6	22.2	33.2
59	10.8	9.9	14.9





#23
Vinyl Acetate
Concen: 313.784 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 42801

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.6	13.0

Instrument :
MSVOA_Y
ClientSampleId :
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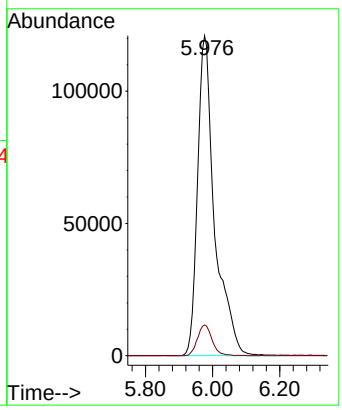
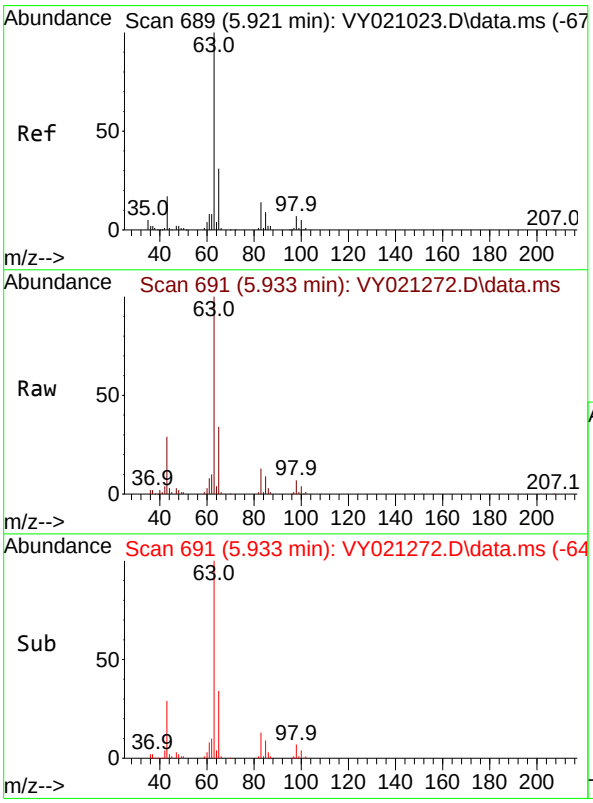
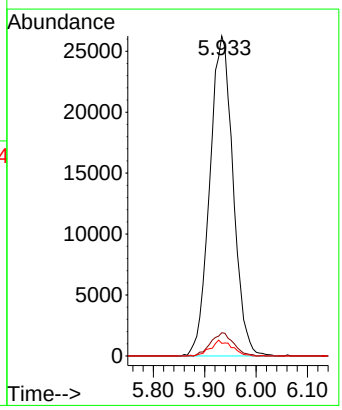


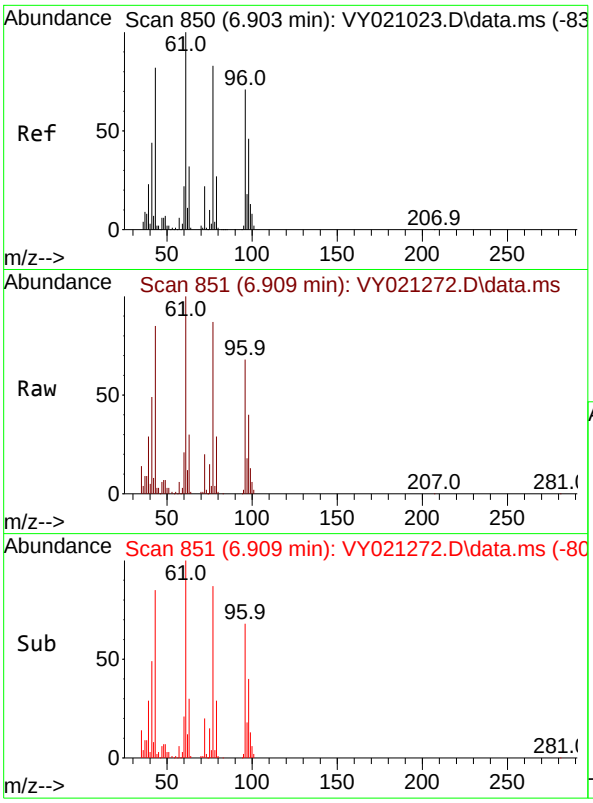


#24
1,1-Dichloroethane
Concen: 57.703 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 63 Resp: 82724

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.4
100	3.9	2.1	6.2

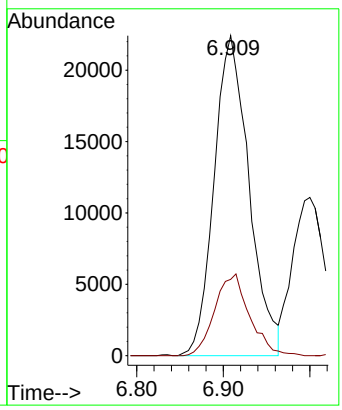




#25
2-Butanone
Concen: 324.417 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 6292

Ion	Ratio	Lower	Upper
43	100		
72	23.8	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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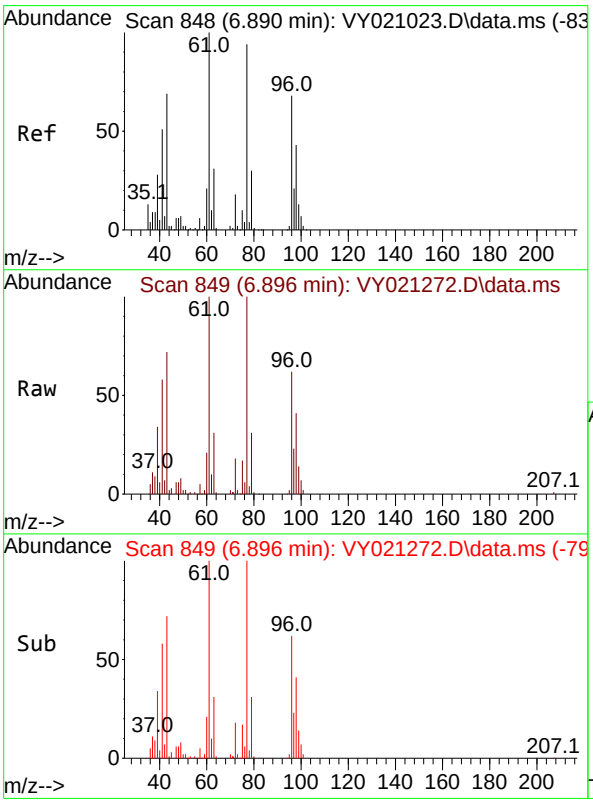
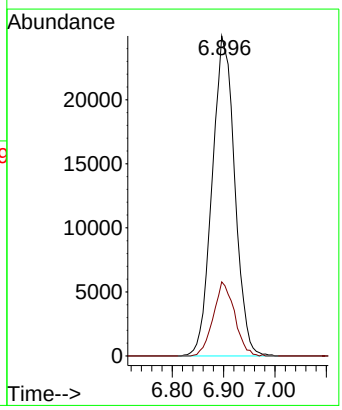
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

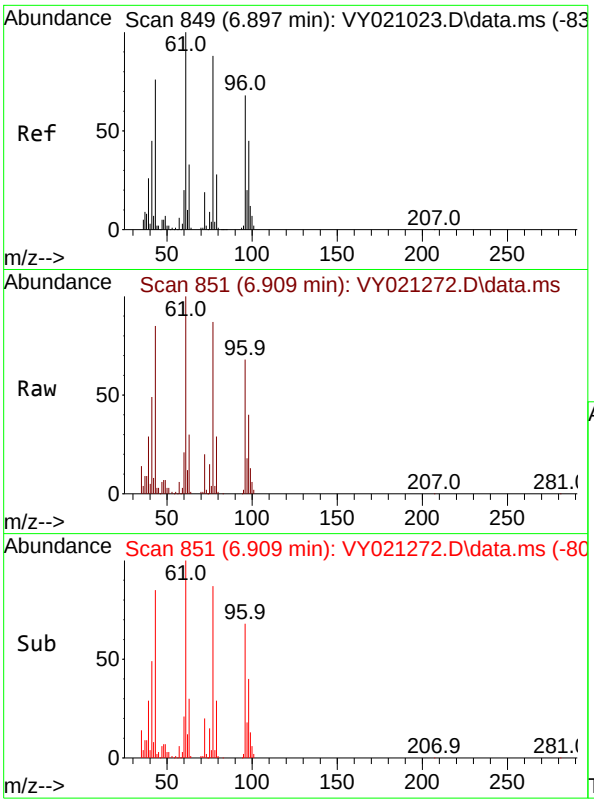


#26
2,2-Dichloropropane
Concen: 57.499 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 77 Resp: 76272

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.7	35.0

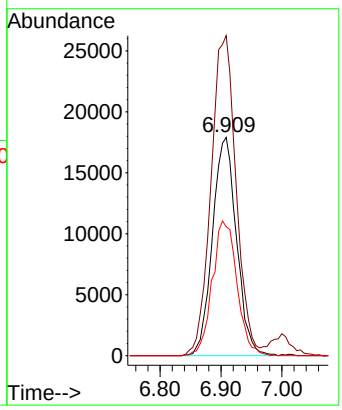




#27
cis-1,2-Dichloroethene
Concen: 55.053 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 96 Resp: 4913

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	278.8
98	63.3	0.0	127.0



Instrument :
MSVOA_Y
ClientSampleId :
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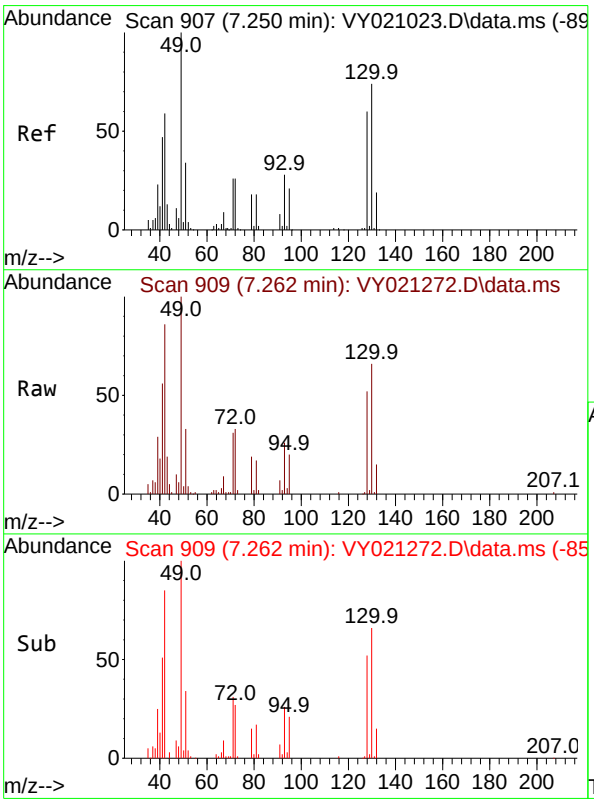
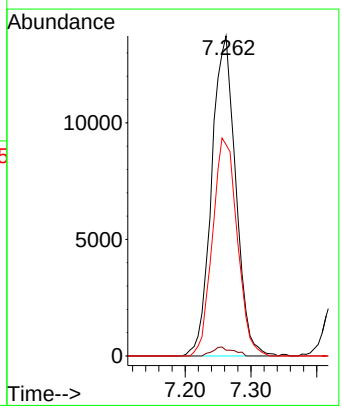
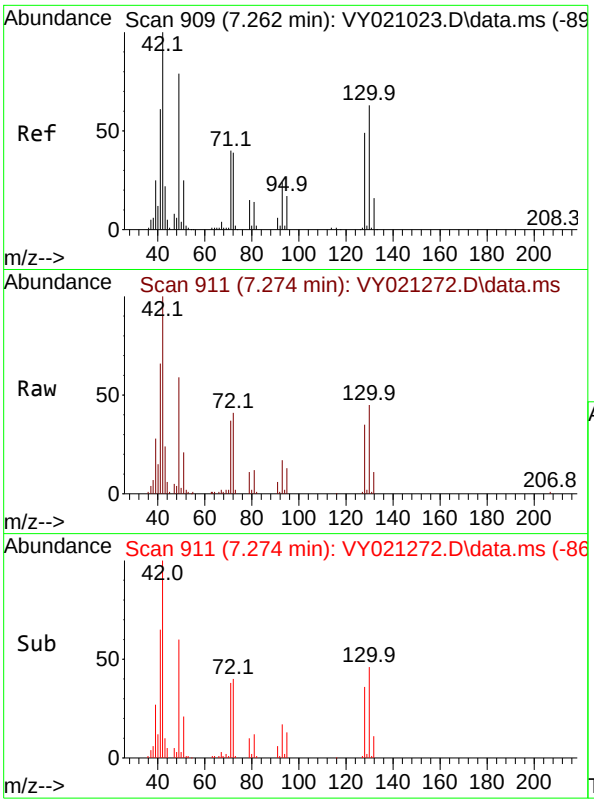


#28
Bromochloromethane
Concen: 61.658 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 49 Resp: 34953

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	69.9	59.8	89.8





#29
Tetrahydrofuran
Concen: 320.076 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 42 Resp: 4201

Ion	Ratio	Lower	Upper
42	100		
72	41.3	36.6	54.8
71	37.5	33.8	50.6

Instrument :
MSVOA_Y
ClientSampleId :
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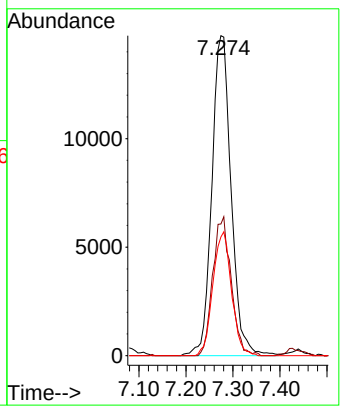
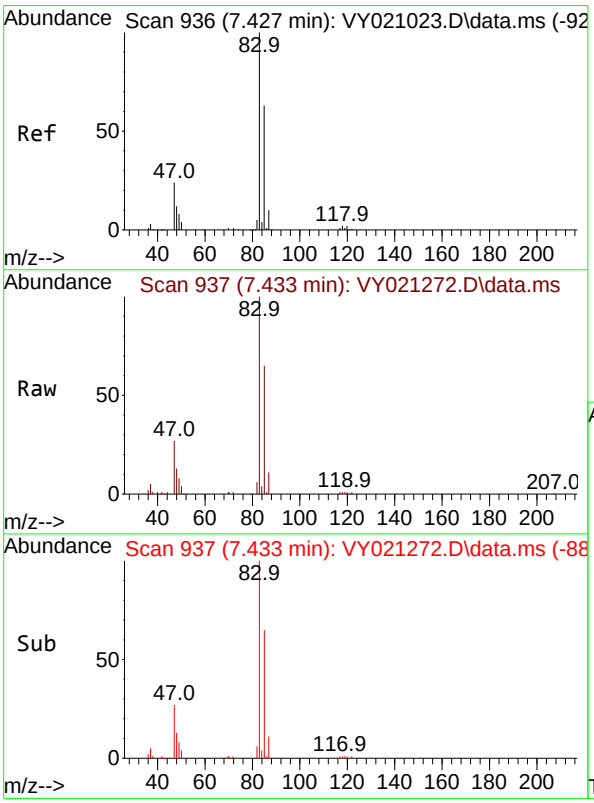
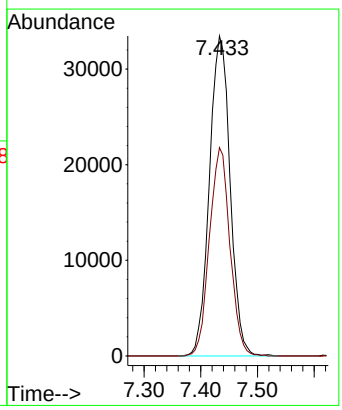


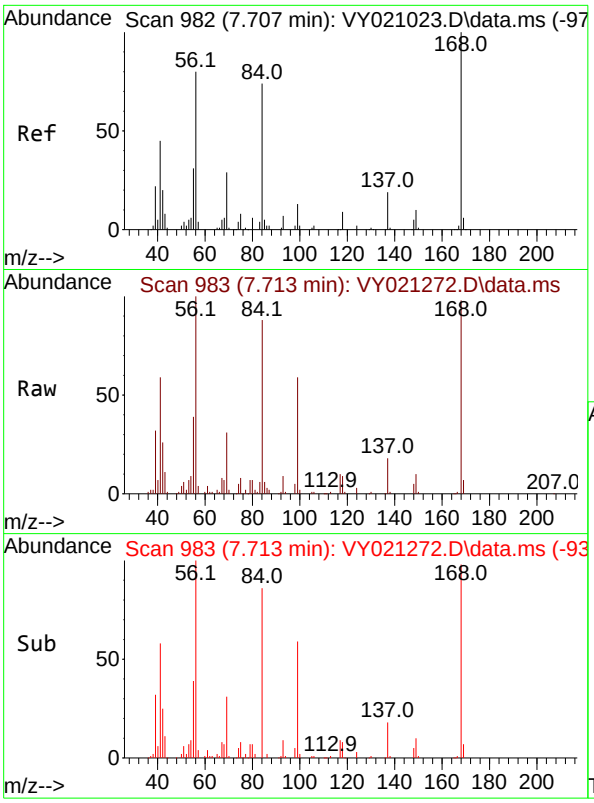


#30
Chloroform
Concen: 57.692 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 83 Resp: 84954

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8

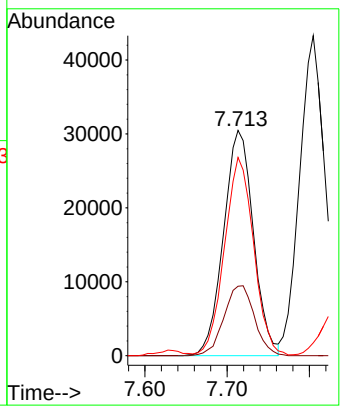




#31
Cyclohexane
Concen: 59.655 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 56 Resp: 7701

Ion	Ratio	Lower	Upper
56	100		
69	30.8	27.0	40.6
84	86.1	71.8	107.6



Instrument :
MSVOA_Y
ClientSampleId :
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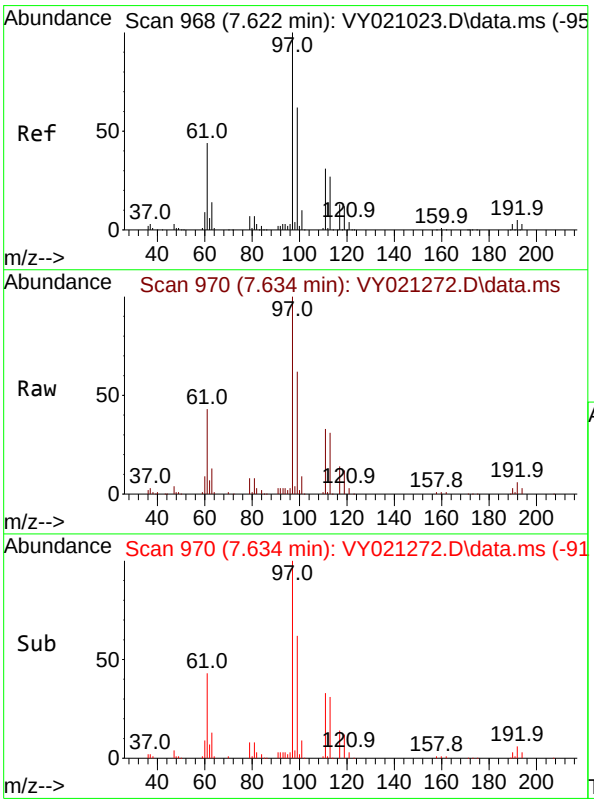
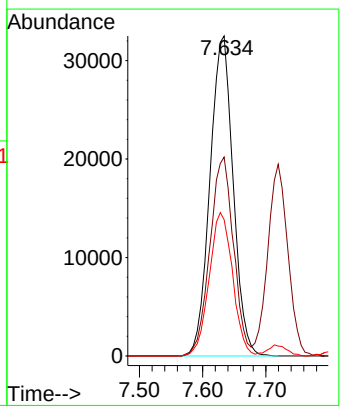
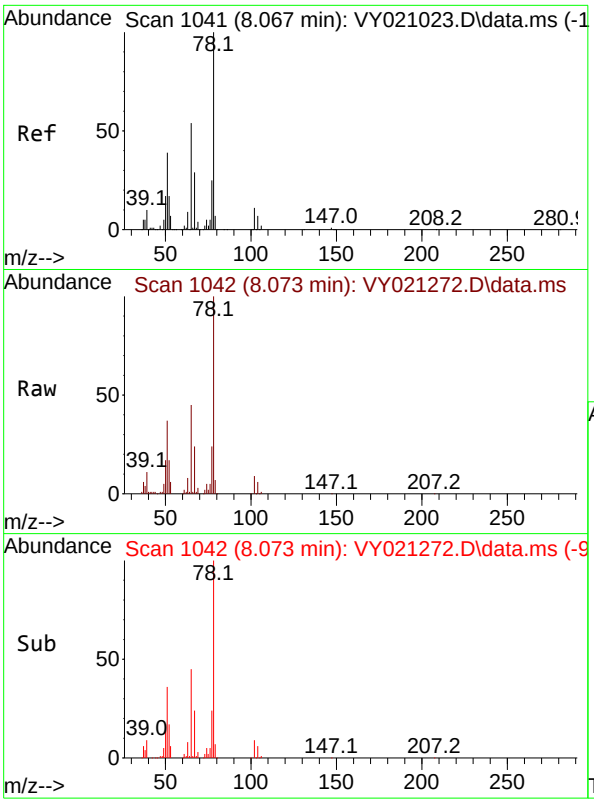


#32
1,1,1-Trichloroethane
Concen: 60.418 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 97 Resp: 82715

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	45.3	35.0	52.6

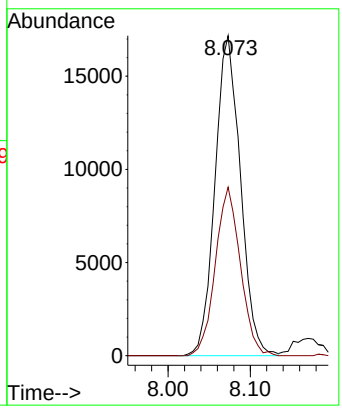




#33
1,2-Dichloroethane-d4
Concen: 48.795 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 65 Resp: 3693

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	109.0



Instrument :
MSVOA_Y
ClientSampleId :
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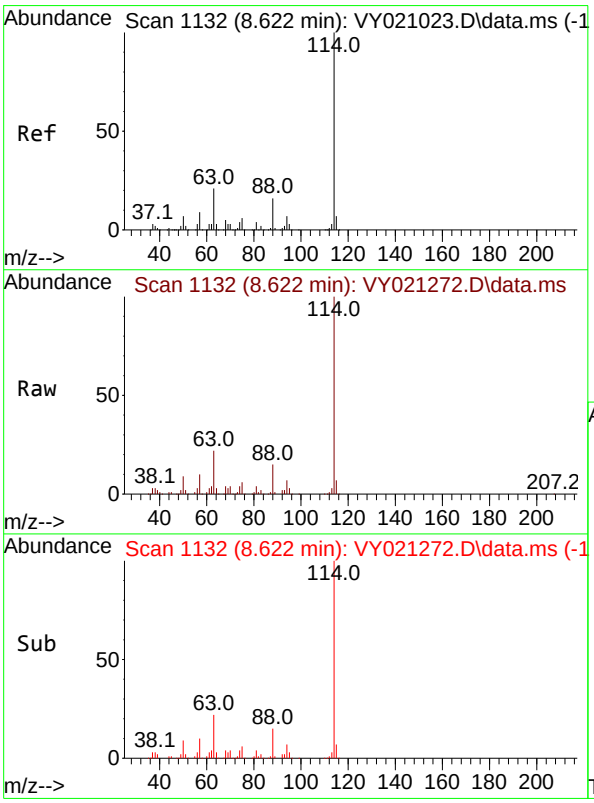
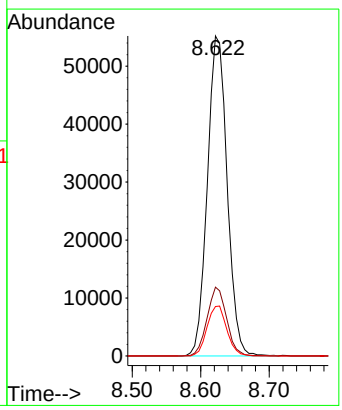
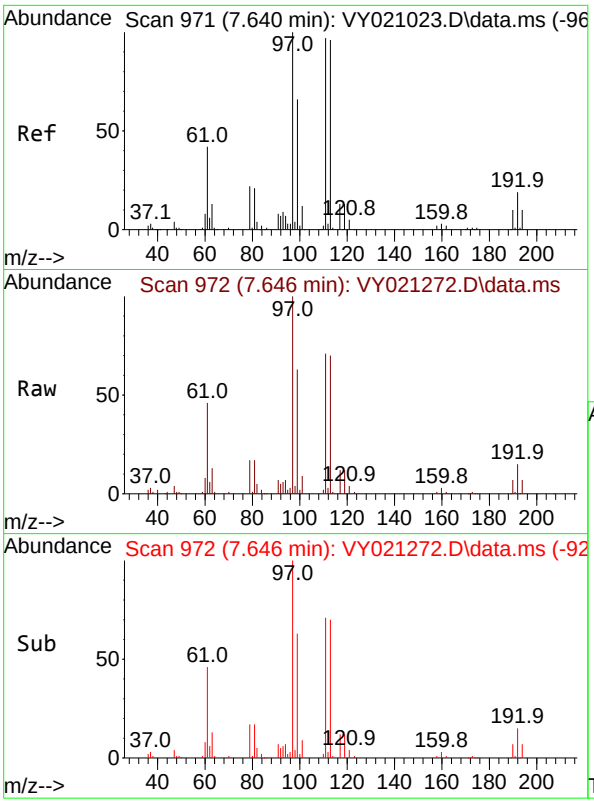


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:114 Resp: 110852

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	37.4
88	15.5	0.0	29.0

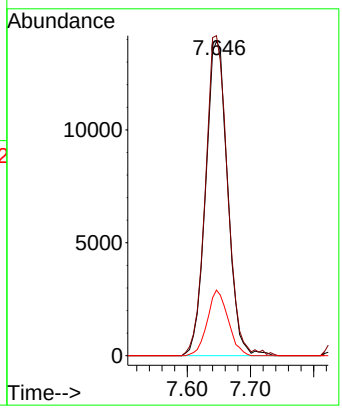




#35
Dibromofluoromethane
Concen: 47.181 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:113 Resp: 3351

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.8	125.6
192	19.8	14.5	21.7



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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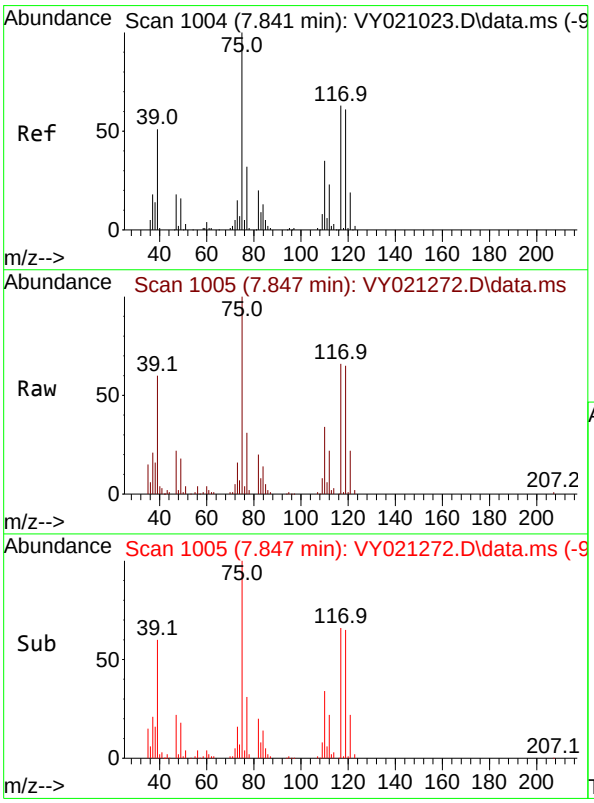
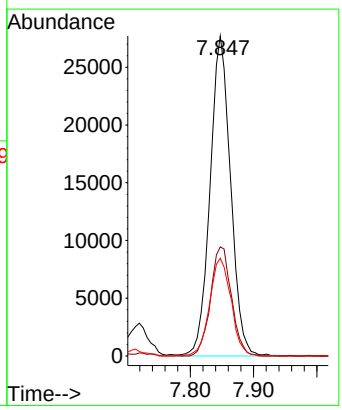
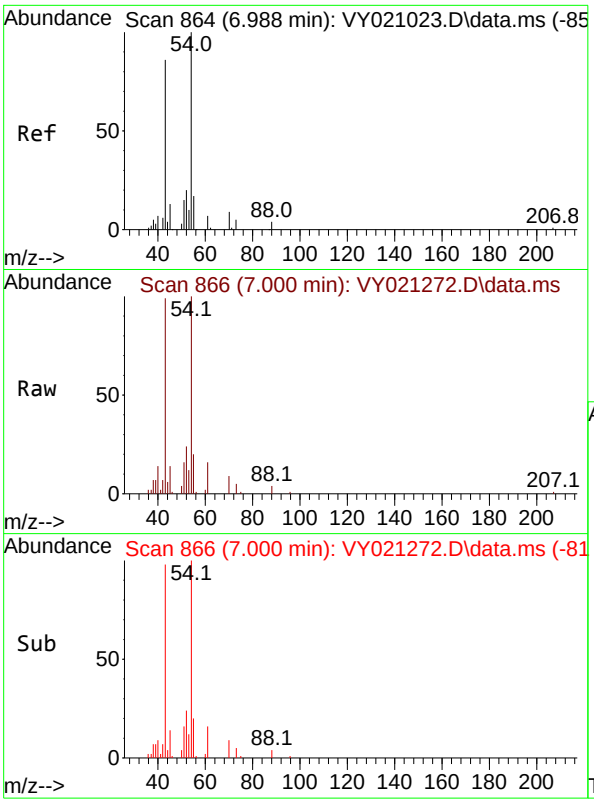


#36
1,1-Dichloropropene
Concen: 59.301 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 75 Resp: 62400

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.3
77	31.8	24.7	37.1





#37
Ethyl Acetate
Concen: 66.461 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 3067

Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	8.9	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
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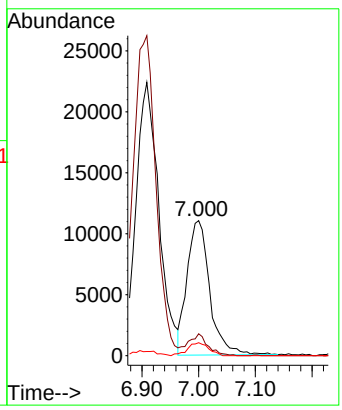
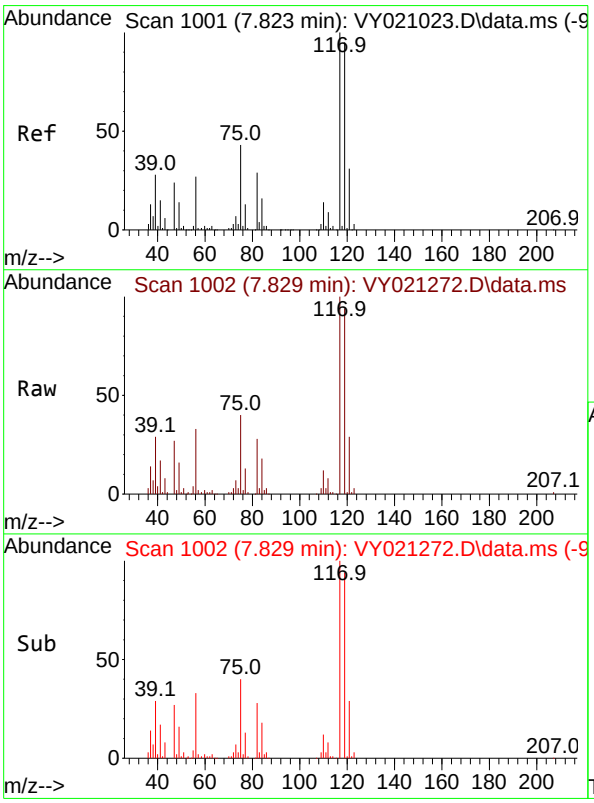
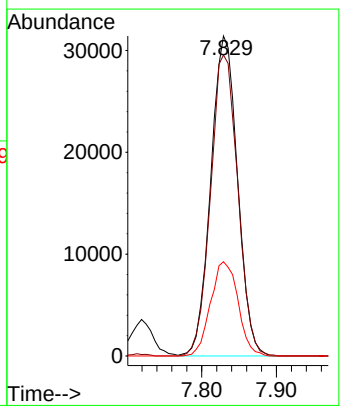


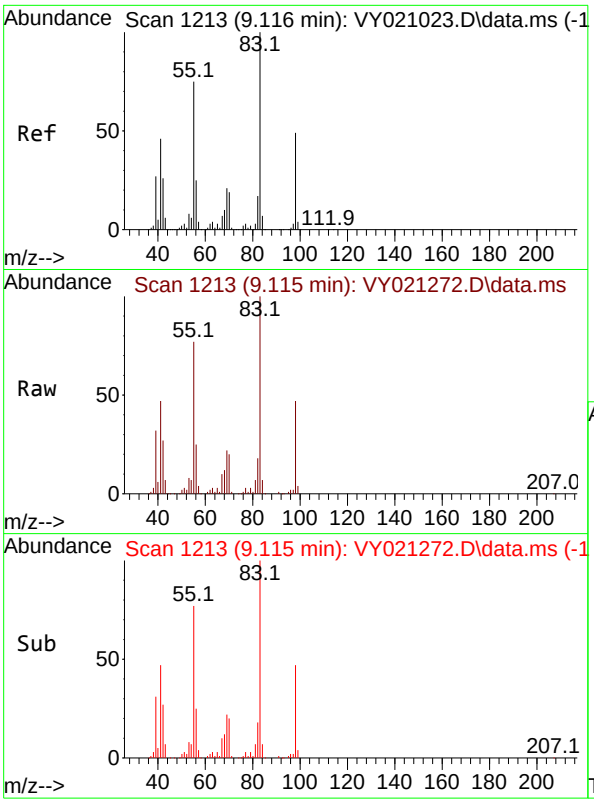


#38
Carbon Tetrachloride
Concen: 63.518 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:117 Resp: 78096

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.0	114.0
121	29.4	24.2	36.2





#39
Methylcyclohexane
Concen: 53.196 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 83 Resp: 6846

Ion	Ratio	Lower	Upper
83	100		
55	76.8	59.7	89.5
98	46.6	38.0	57.0

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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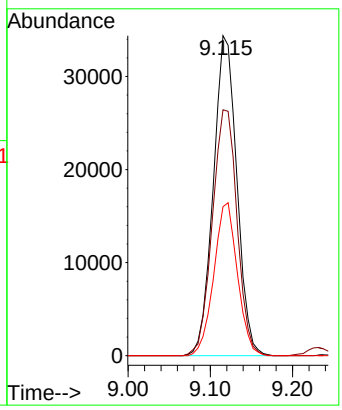
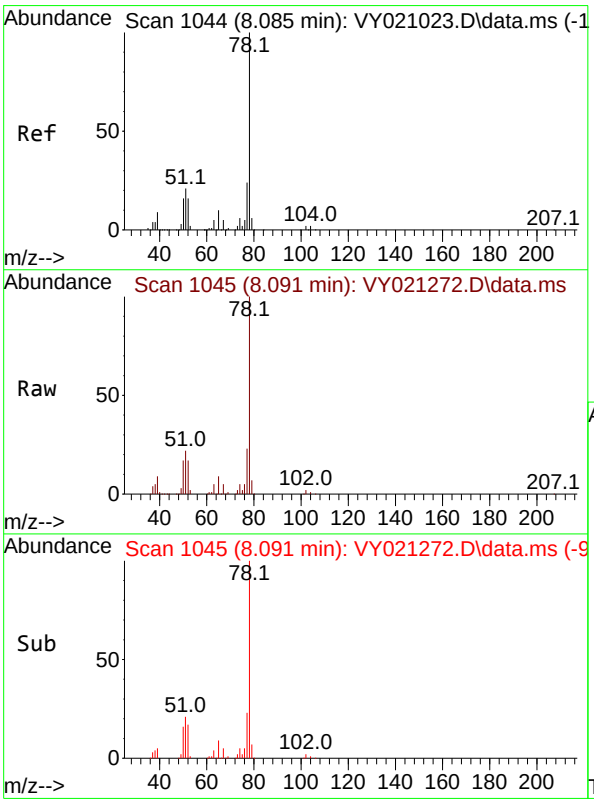
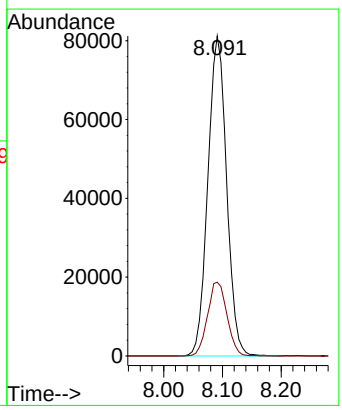


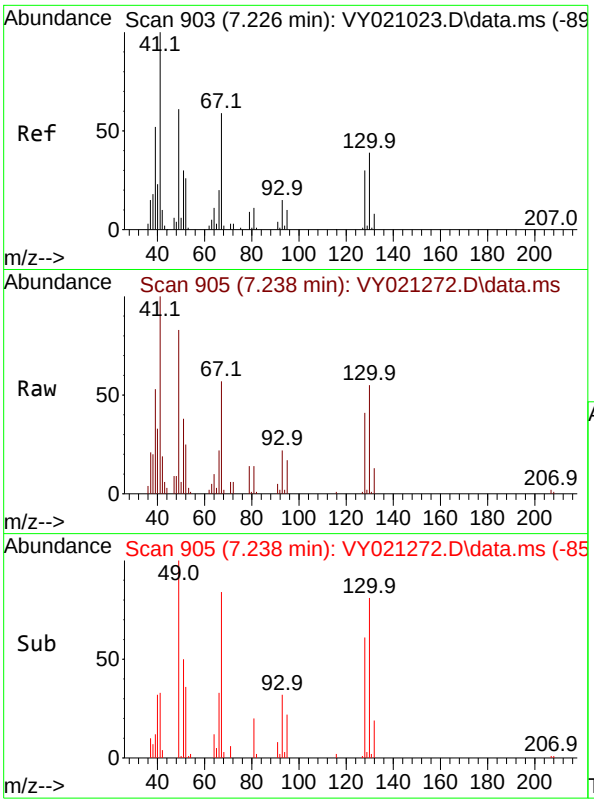


#40
Benzene
Concen: 58.242 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 78 Resp: 179850

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

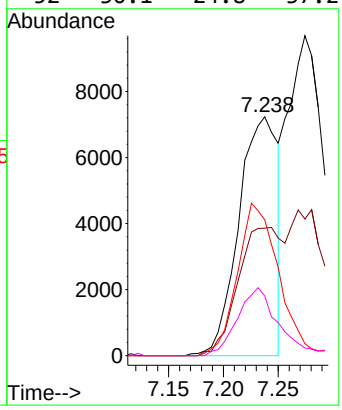




#41
Methacrylonitrile
Concen: 66.866 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 41 Resp: 1785

Ion	Ratio	Lower	Upper
41	100		
39	62.6	41.9	62.9
67	67.8	59.8	89.6
52	30.1	24.8	37.2



Instrument :
MSVOA_Y
ClientSampleId :
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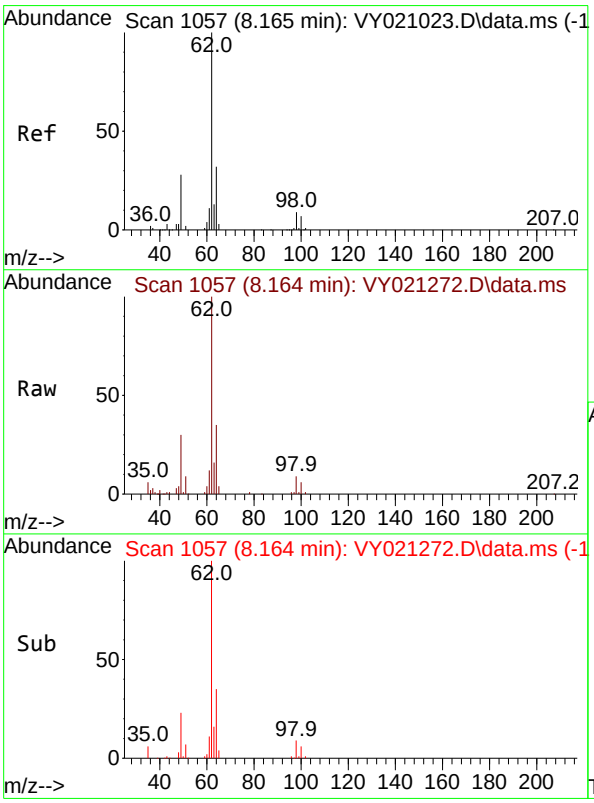
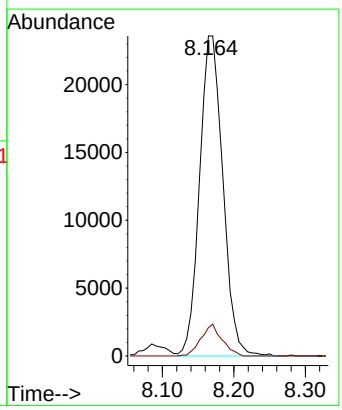
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

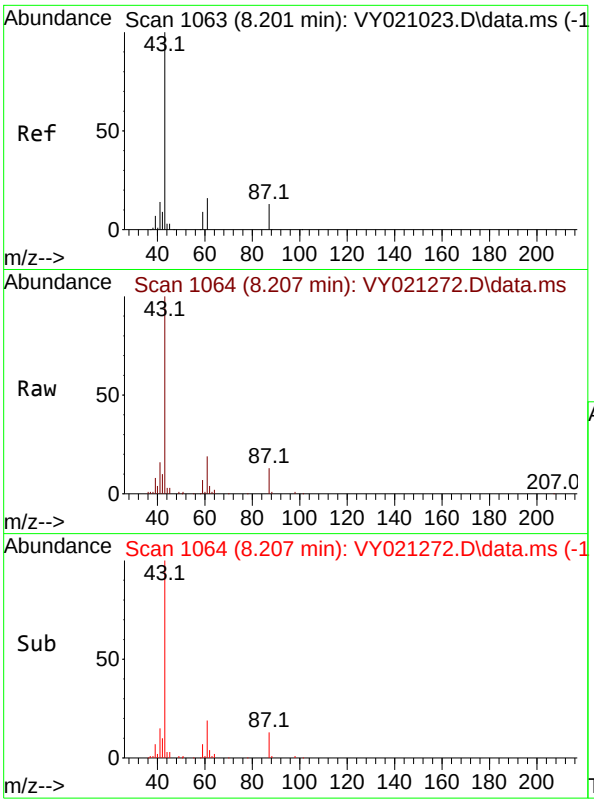


#42
1,2-Dichloroethane
Concen: 62.340 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 62 Resp: 53401

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	20.2





#43
Isopropyl Acetate
Concen: 66.351 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 6085

Ion	Ratio	Lower	Upper
43	100		
61	27.9	24.8	37.2
87	12.1	10.7	16.1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/21/2025
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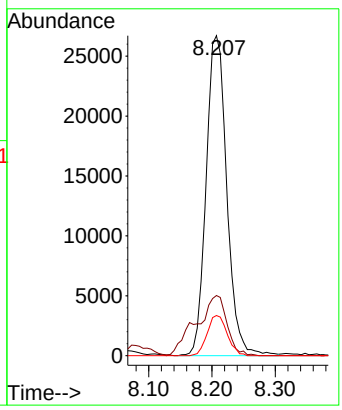
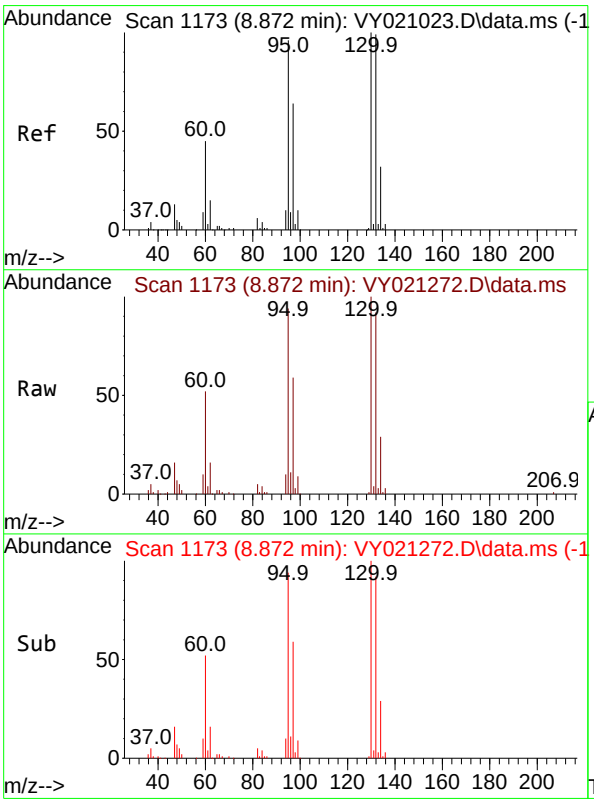
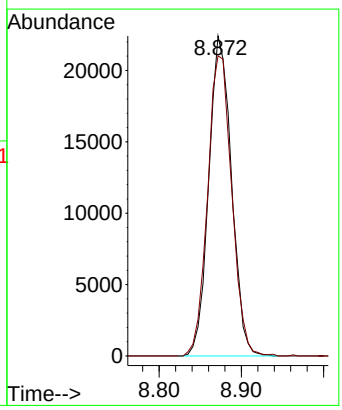


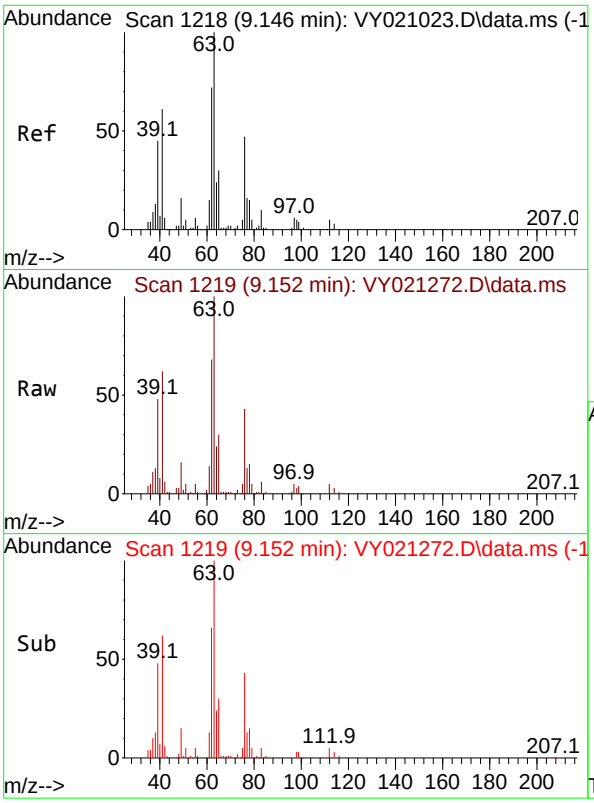


#44
Trichloroethene
Concen: 53.891 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:130 Resp: 42995

Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	203.8

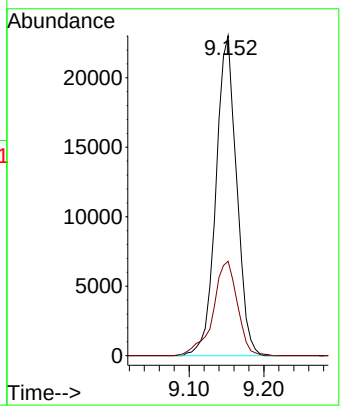




#45
1,2-Dichloropropane
Concen: 60.396 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 63 Resp: 4426

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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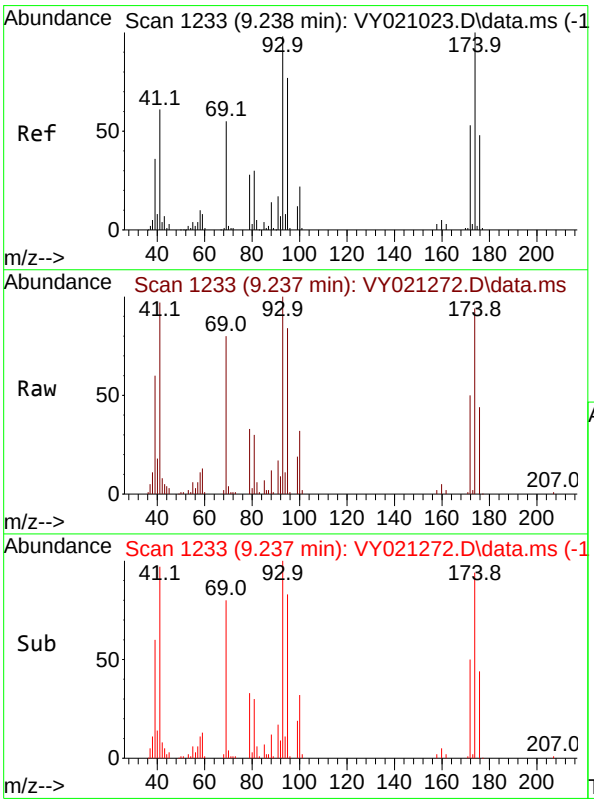
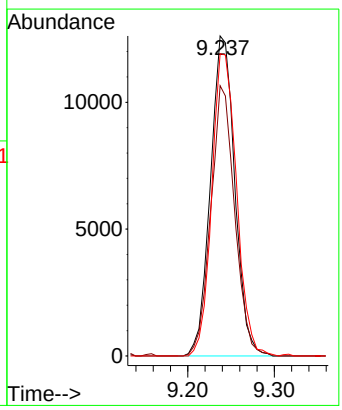
Supervised By :Semsettin Yesilyurt 02/21/2025

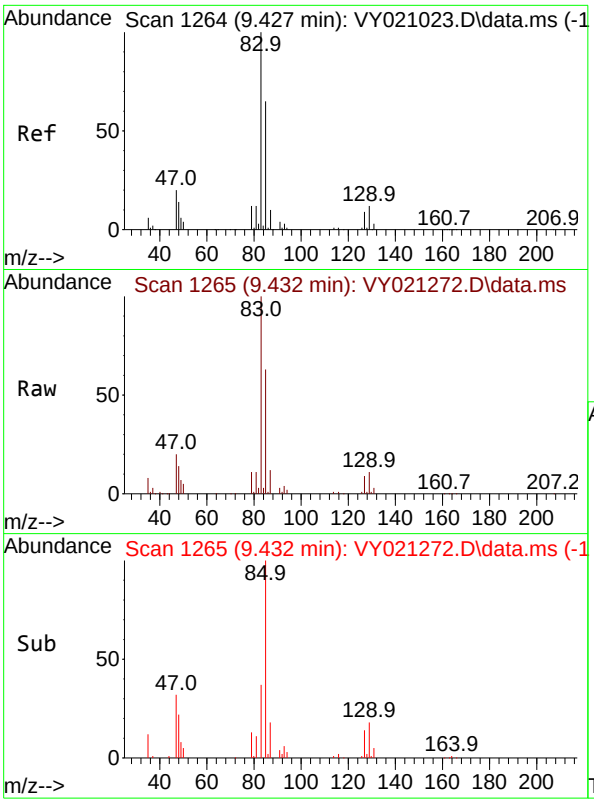


#46
Dibromomethane
Concen: 60.679 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 93 Resp: 24624

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	99.8
174	96.0	73.8	110.6

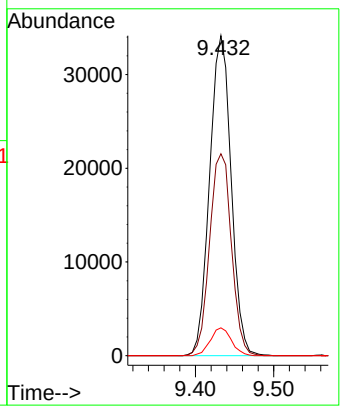




#47
Bromodichloromethane
Concen: 59.844 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 83 Resp: 6513

Ion	Ratio	Lower	Upper
83	100		
85	63.1	53.2	79.8
127	8.7	6.4	9.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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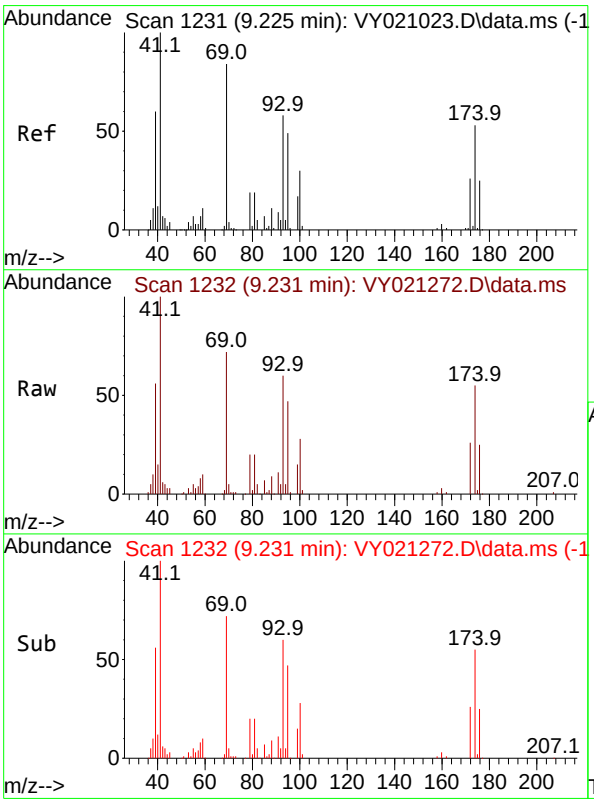
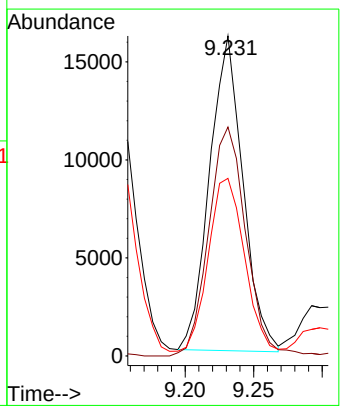
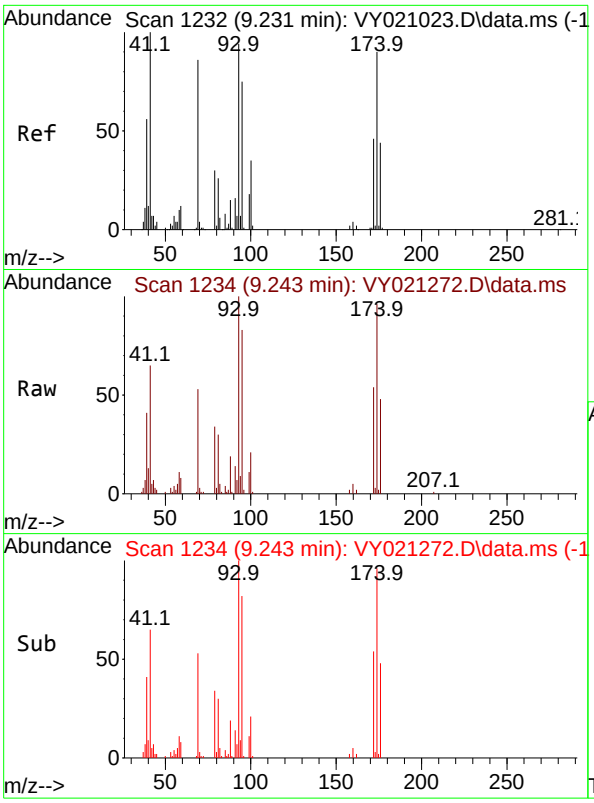


#48
Methyl methacrylate
Concen: 65.057 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 41 Resp: 27181

Ion	Ratio	Lower	Upper
41	100		
69	81.2	72.1	108.1
39	59.9	42.8	64.2

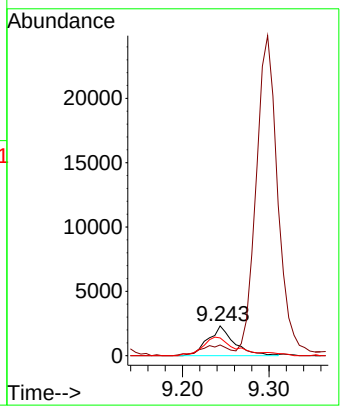




#49
1,4-Dioxane
Concen: 1280.385 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 88 Resp: 483

Ion	Ratio	Lower	Upper
88	100		
43	40.0	28.2	42.4
58	81.4	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
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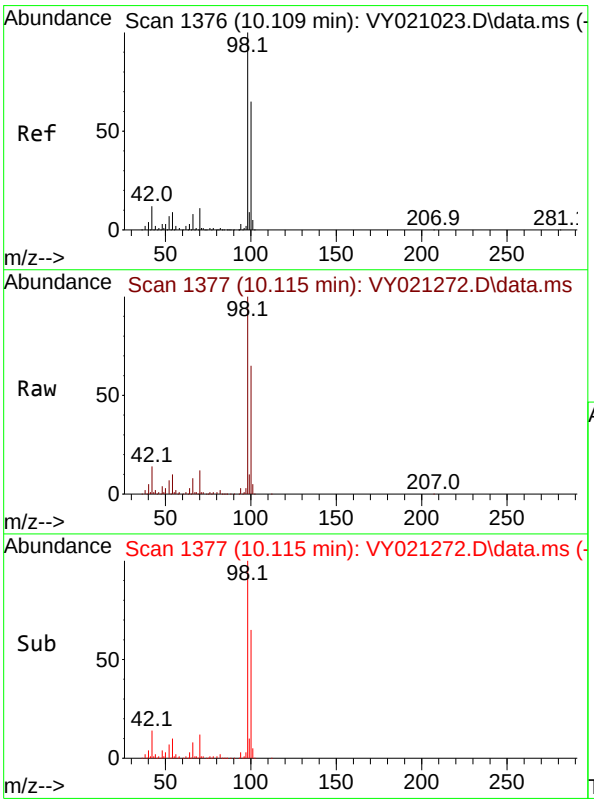
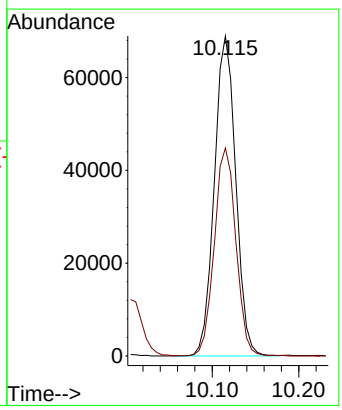
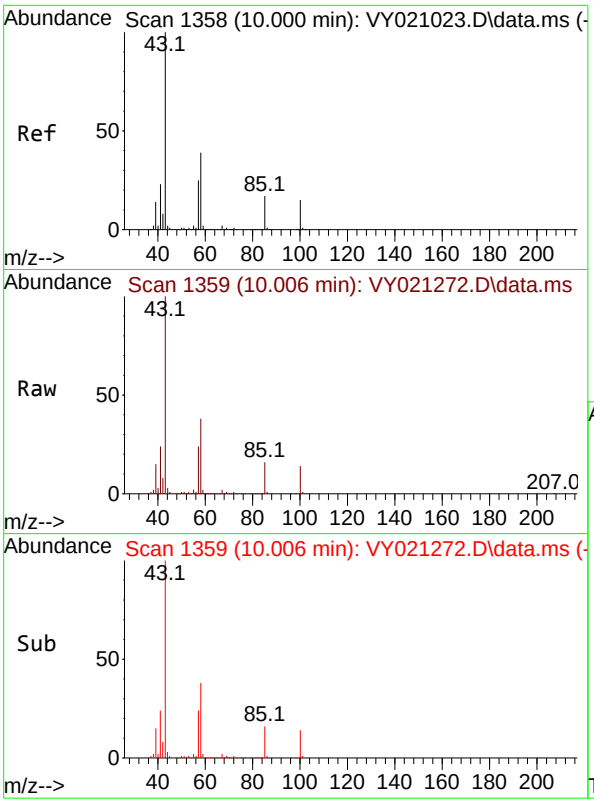


#50
Toluene-d8
Concen: 43.715 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 98 Resp: 118230

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 328.850 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 15168

Ion	Ratio	Lower	Upper
43	100		
58	37.3	32.2	48.2

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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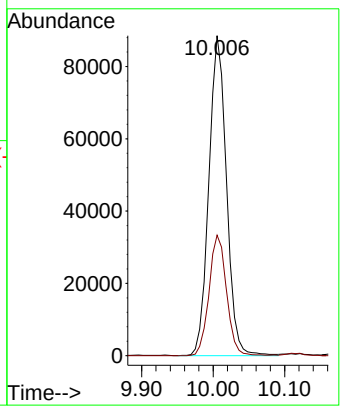
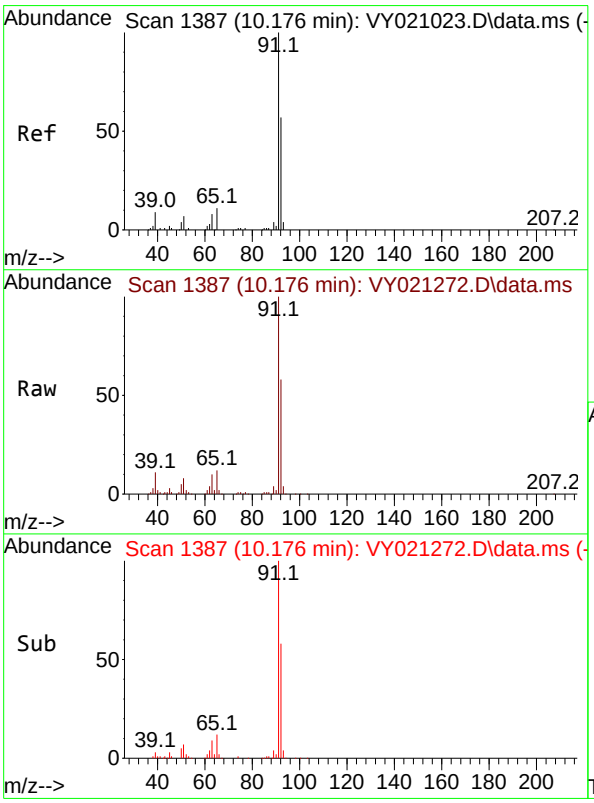
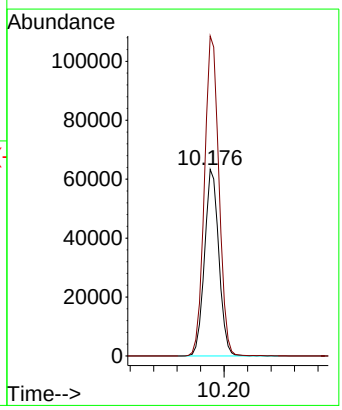


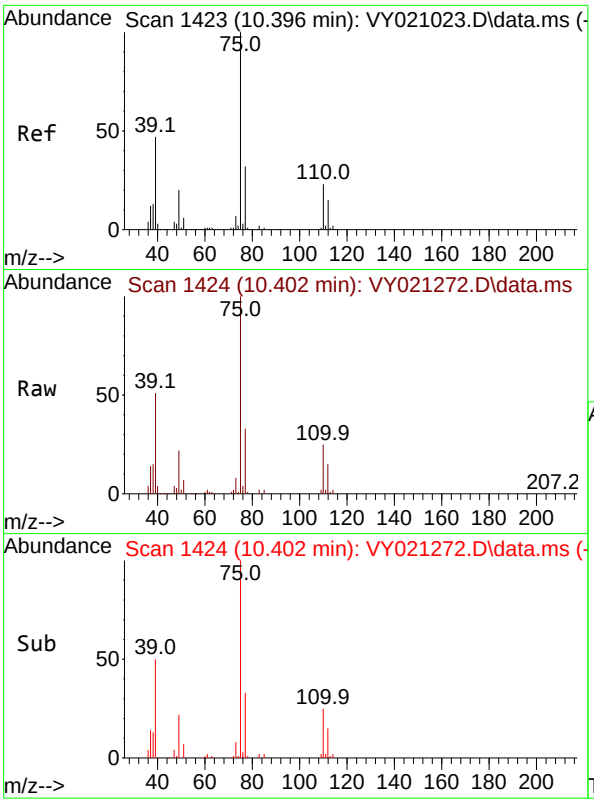


#52
Toluene
Concen: 55.217 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 92 Resp: 107063

Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.6	206.4

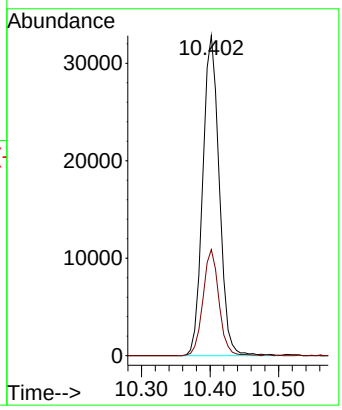




#53
t-1,3-Dichloropropene
Concen: 56.365 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 75 Resp: 5508

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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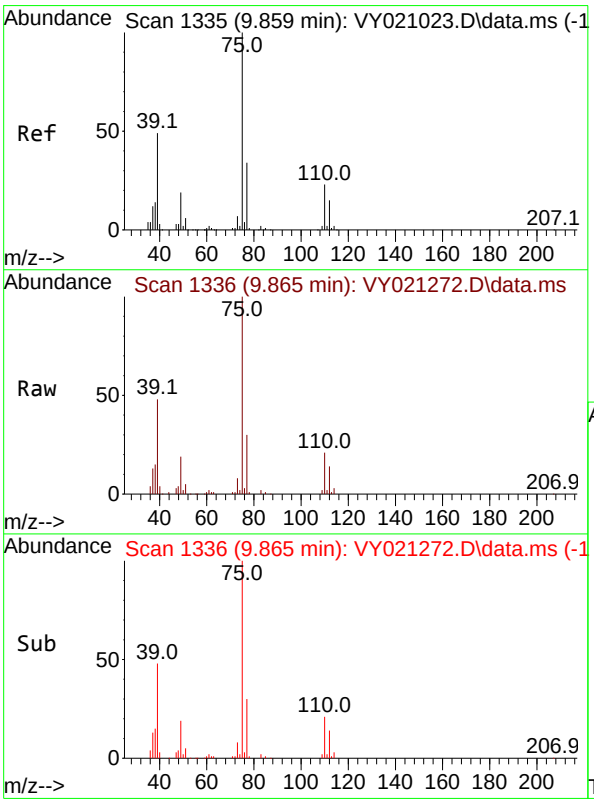
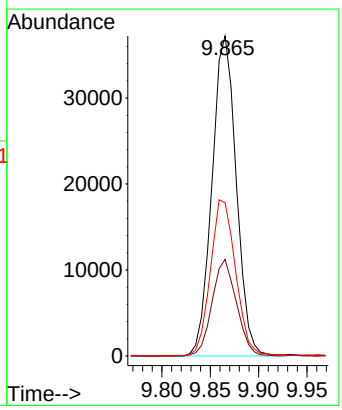
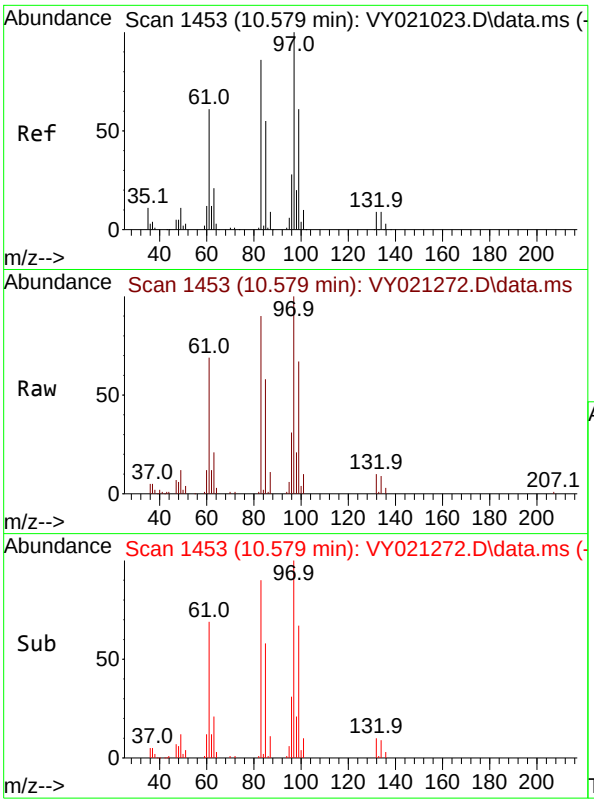


#54
cis-1,3-Dichloropropene
Concen: 56.102 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 75 Resp: 64915

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.6	36.8
39	47.7	33.6	50.4

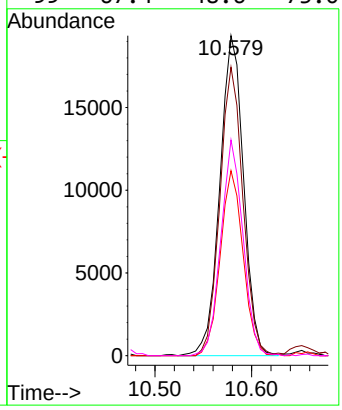




#55
1,1,2-Trichloroethane
Concen: 62.670 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 97 Resp: 3293

Ion	Ratio	Lower	Upper
97	100		
83	90.2	69.4	104.2
85	57.8	43.9	65.9
99	67.4	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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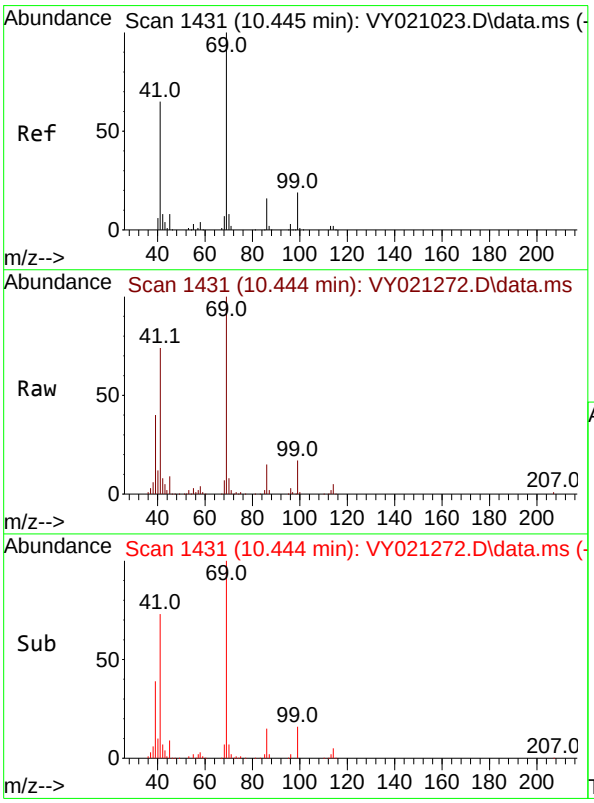
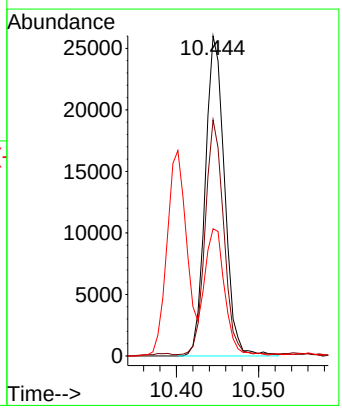
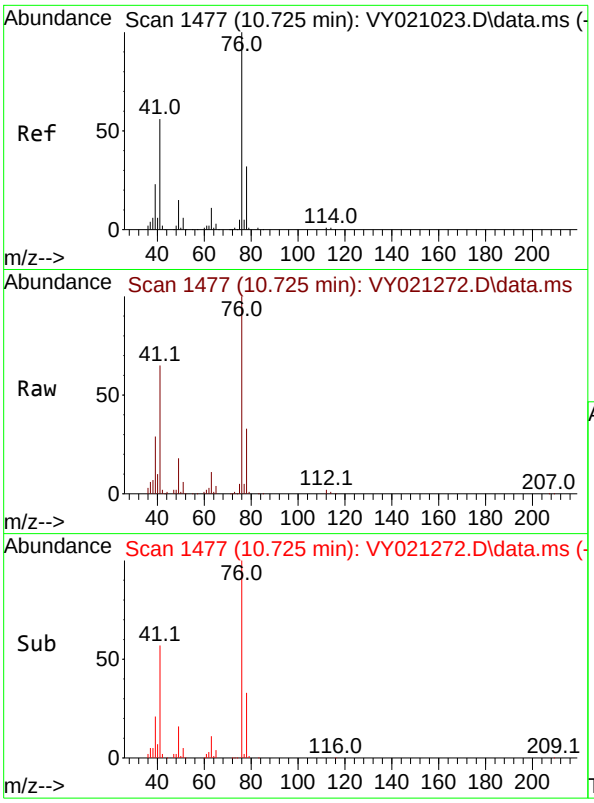


#56
Ethyl methacrylate
Concen: 60.451 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 69 Resp: 42497

Ion	Ratio	Lower	Upper
69	100		
41	70.4	49.2	73.8
39	40.0	26.8	40.2





#57
1,3-Dichloropropane
Concen: 61.196 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 76 Resp: 5566

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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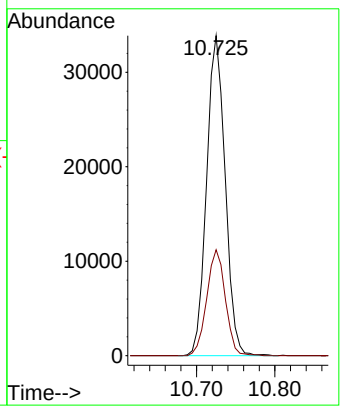
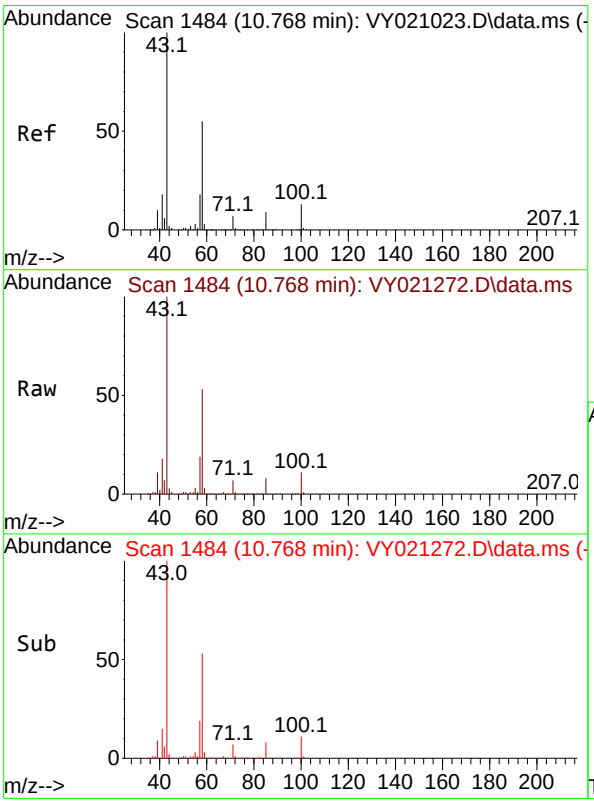
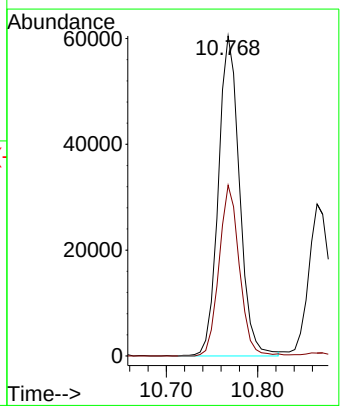


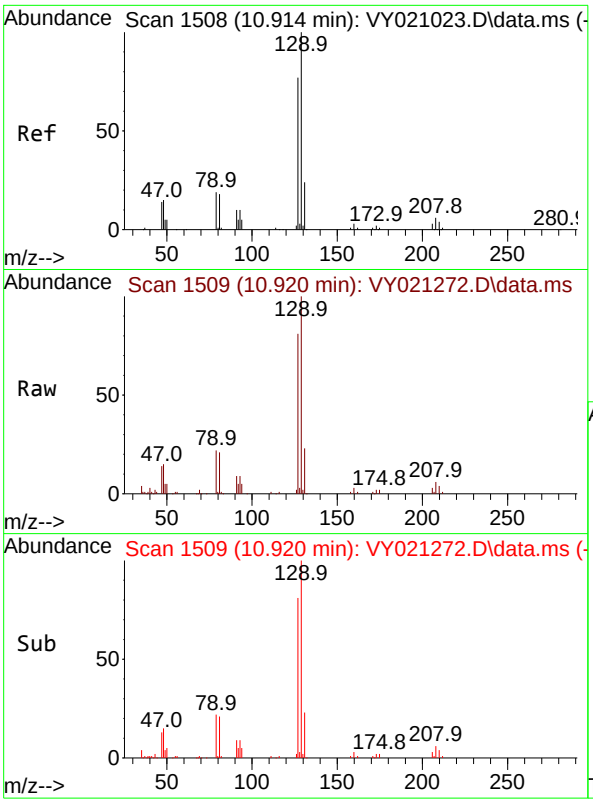


#59
2-Hexanone
Concen: 328.044 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 97422

Ion	Ratio	Lower	Upper
43	100		
58	51.3	28.1	84.3

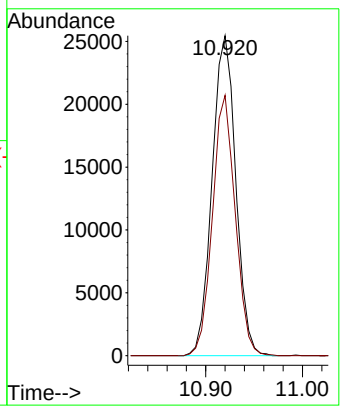




#60
Dibromochloromethane
Concen: 58.610 ug/l
RT: 10.920 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:129 Resp: 4325

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6



Instrument :
MSVOA_Y
ClientSampleId :
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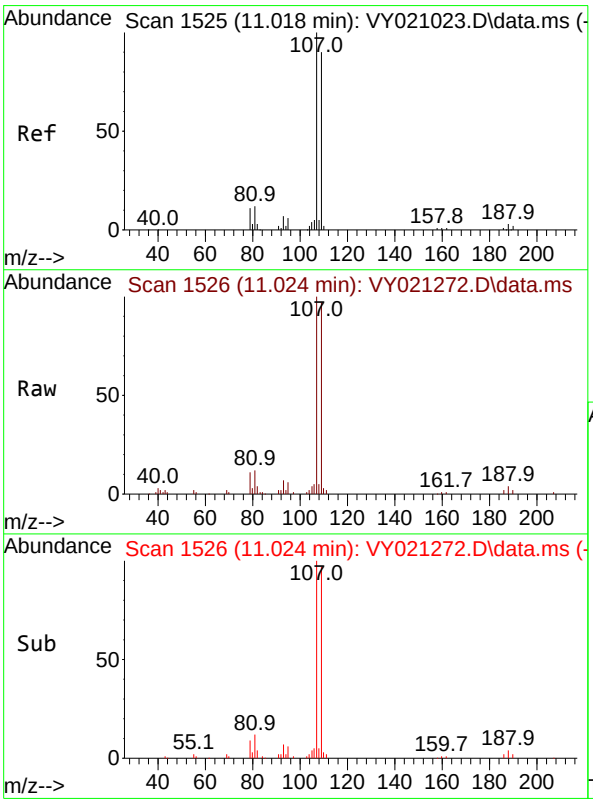
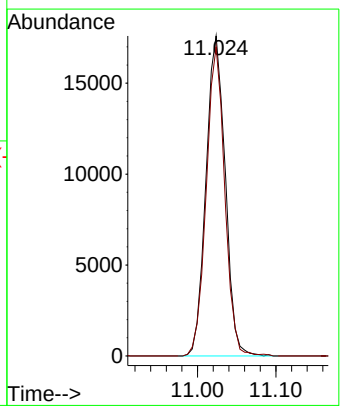
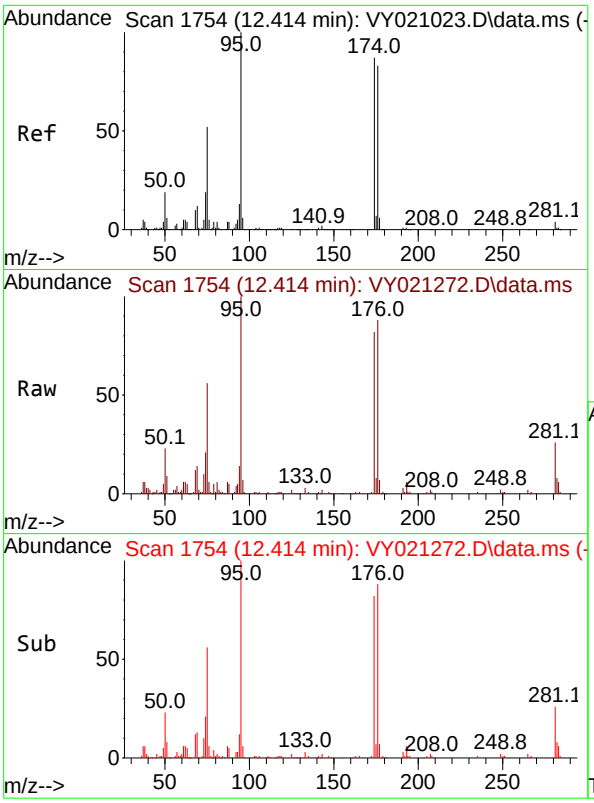


#61
1,2-Dibromoethane
Concen: 61.001 ug/l
RT: 11.024 min Scan# 1526
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:107 Resp: 30026

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.2





#62
4-Bromofluorobenzene
Concen: 38.292 ug/l
RT: 12.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 95 Resp: 3383

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	160.0
176	85.5	0.0	151.8

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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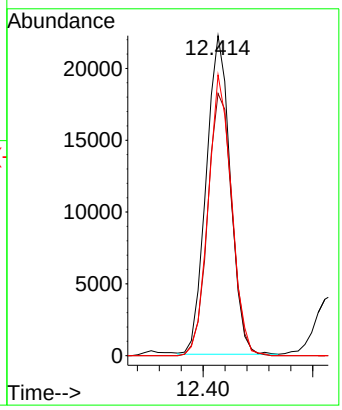
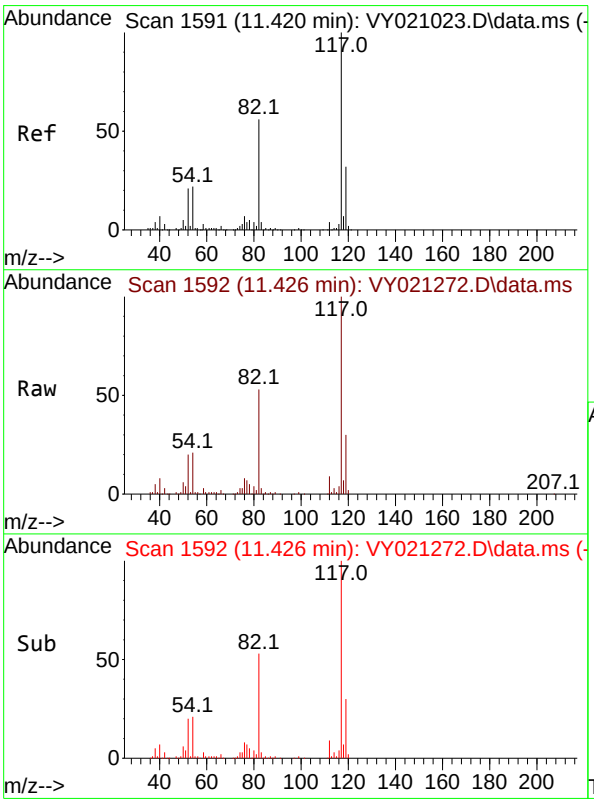
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

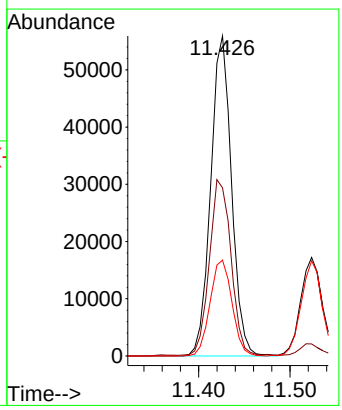


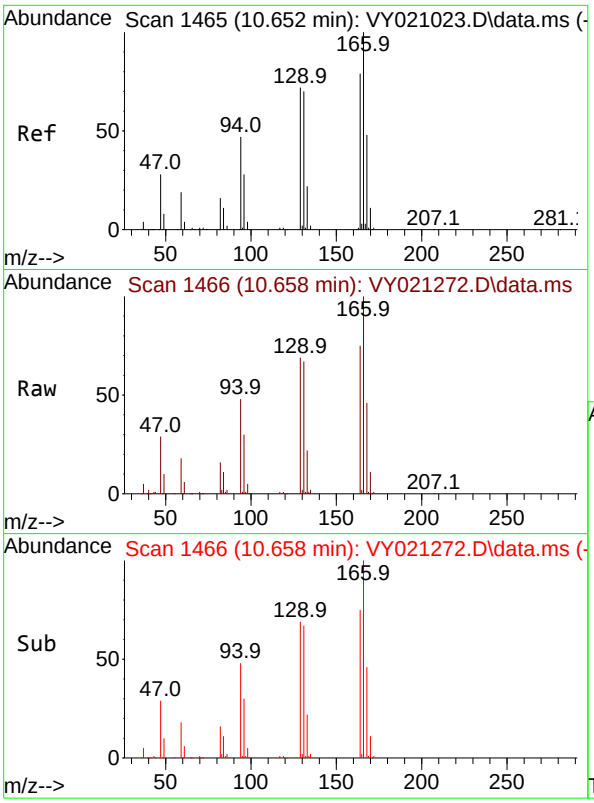


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:117 Resp: 88371

Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.8	65.8
119	29.9	26.5	39.7

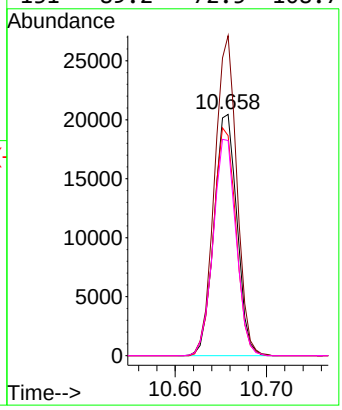




#64
Tetrachloroethene
Concen: 54.256 ug/l
RT: 10.658 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:164 Resp: 3559

Ion	Ratio	Lower	Upper
164	100		
166	132.6	98.8	148.2
129	91.2	78.9	118.3
131	89.2	72.5	108.7



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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Reviewed By :Mahesh Dadoda 02/21/2025
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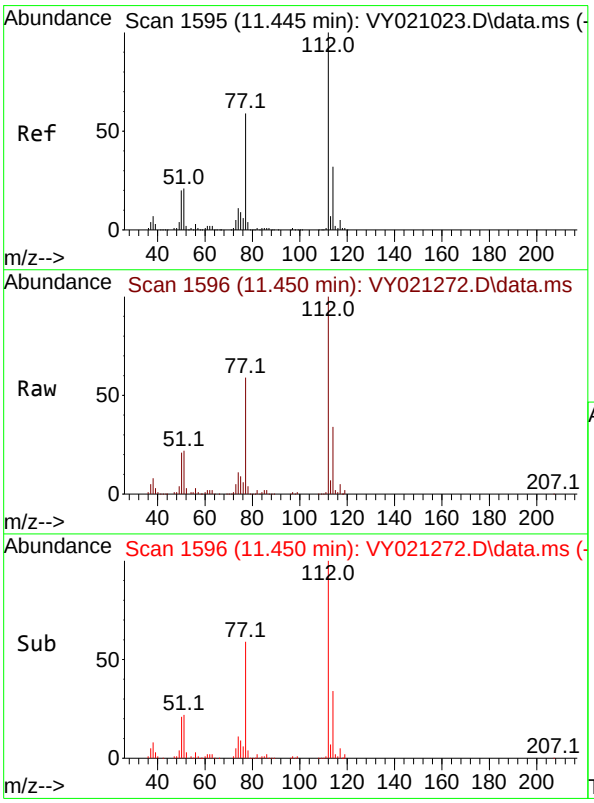
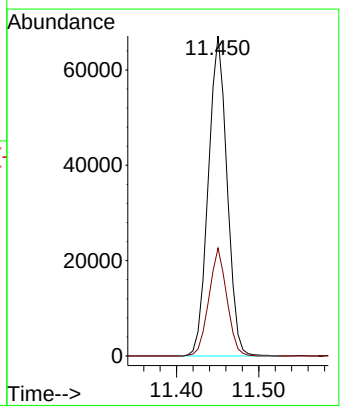
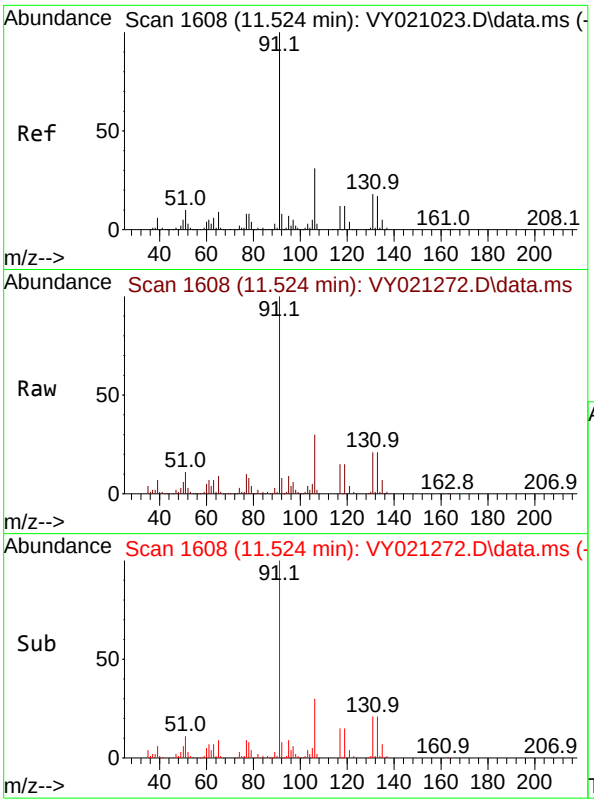


#65
Chlorobenzene
Concen: 54.058 ug/l
RT: 11.450 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:112 Resp: 106372

Ion	Ratio	Lower	Upper
112	100		
114	33.7	26.1	39.1

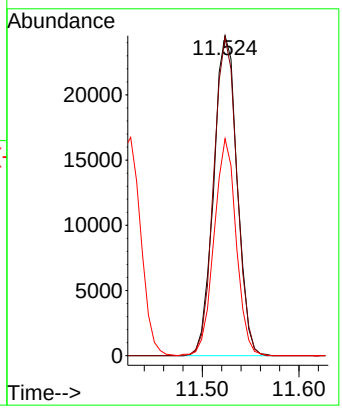




#66
1,1,1,2-Tetrachloroethane
Concen: 59.025 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:131 Resp: 4127

Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.0	141.0
119	64.0	33.3	99.9



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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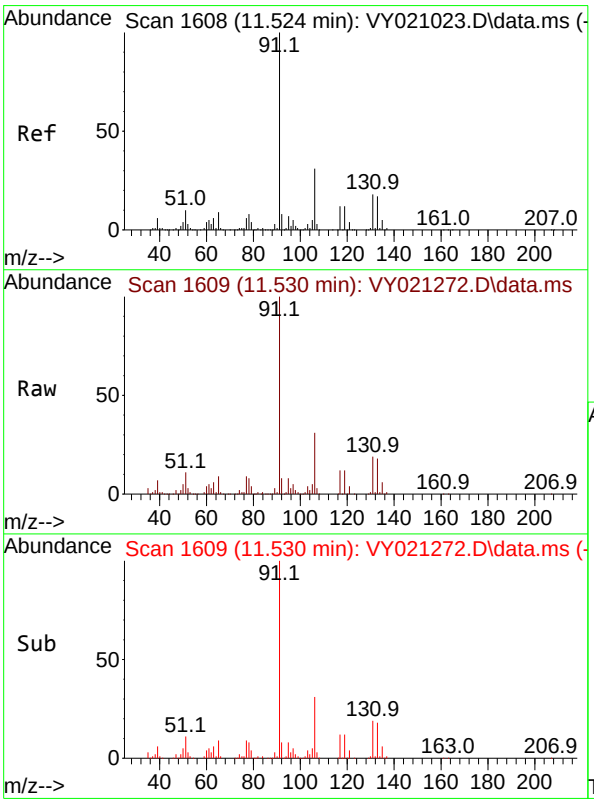
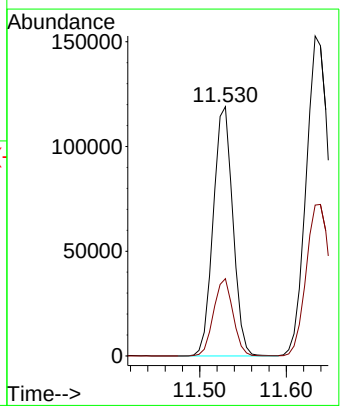
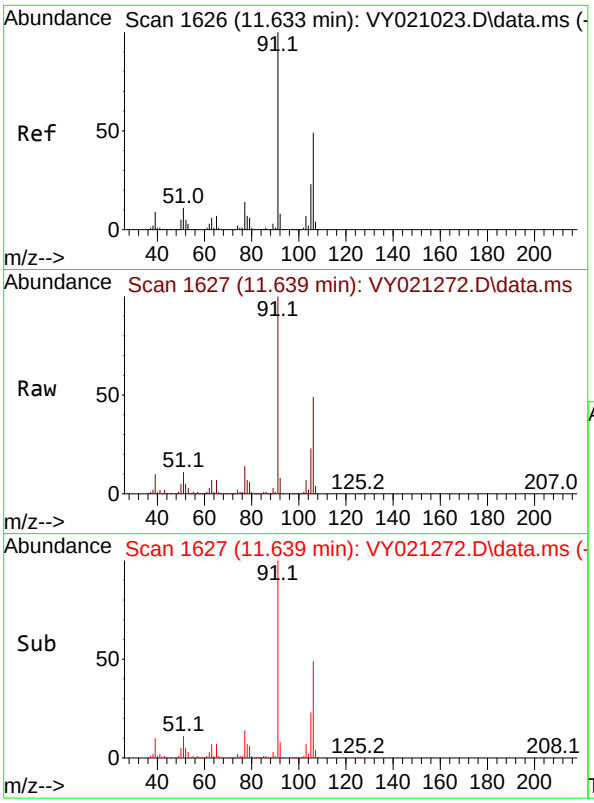


#67
Ethyl Benzene
Concen: 53.871 ug/l
RT: 11.530 min Scan# 1609
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 91 Resp: 187491

Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.4





#68
m/p-Xylenes
Concen: 105.615 ug/l
RT: 11.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:106 Resp: 13751

Ion	Ratio	Lower	Upper
106	100		
91	204.7	160.7	241.1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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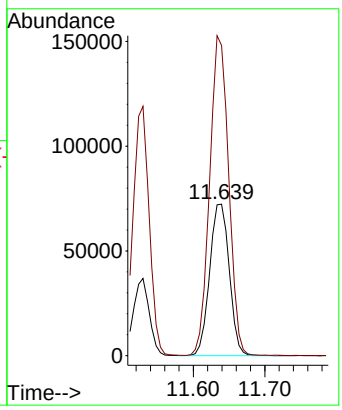
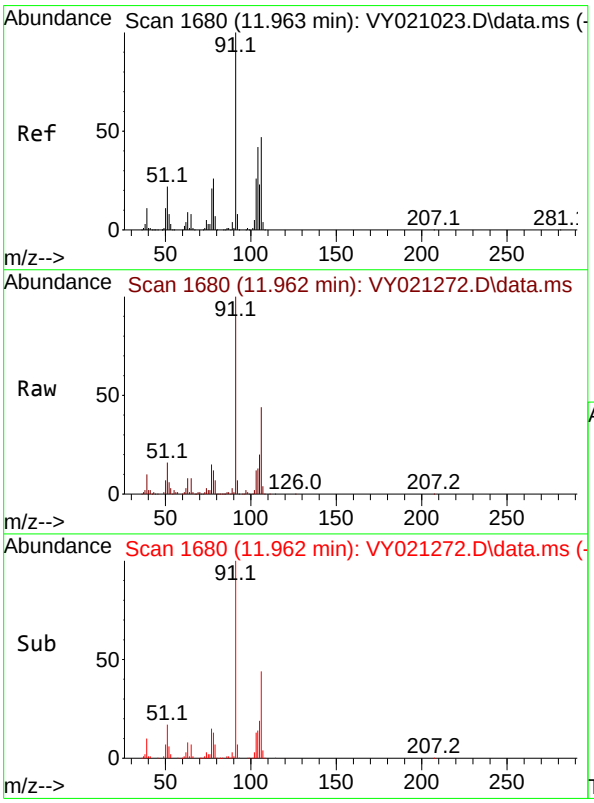
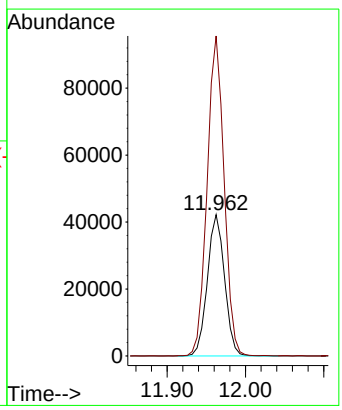


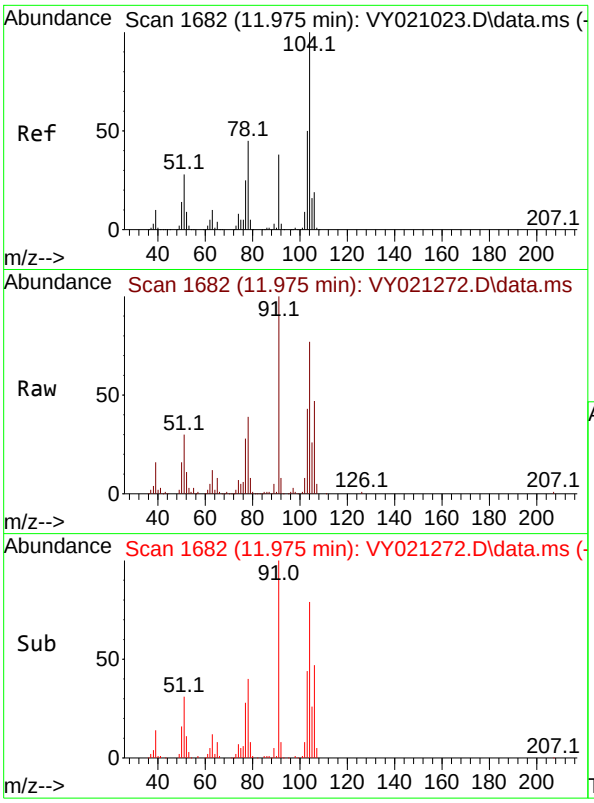


#69
o-Xylene
Concen: 52.851 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:106 Resp: 64156

Ion	Ratio	Lower	Upper
106	100		
91	224.2	106.5	319.5

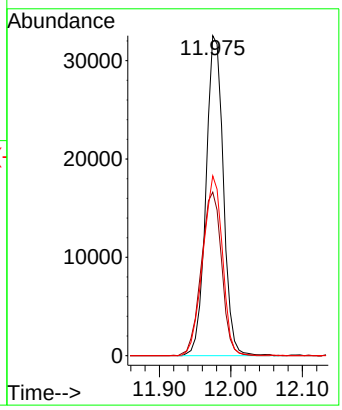




#70
Styrene
Concen: 27.089 ug/l
RT: 11.975 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:104 Resp: 5480

Ion	Ratio	Lower	Upper
104	100		
78	60.3	39.2	58.8
103	63.4	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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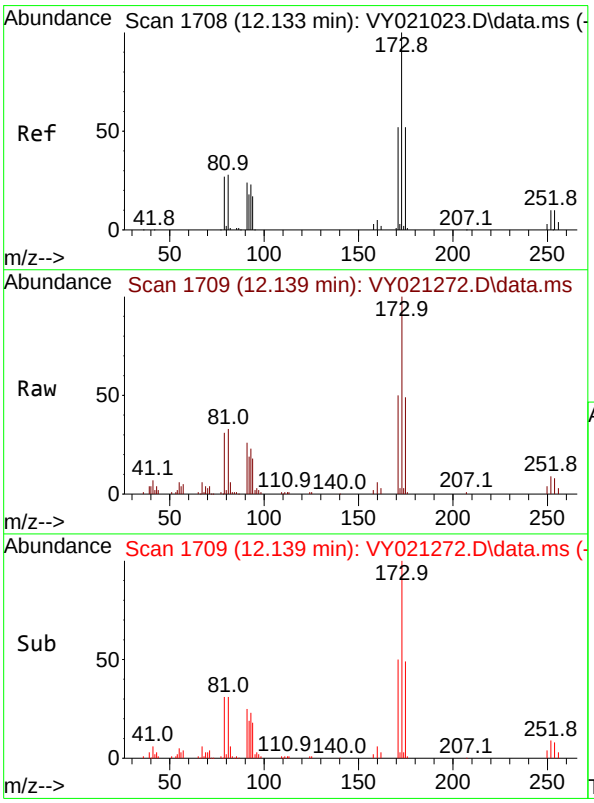
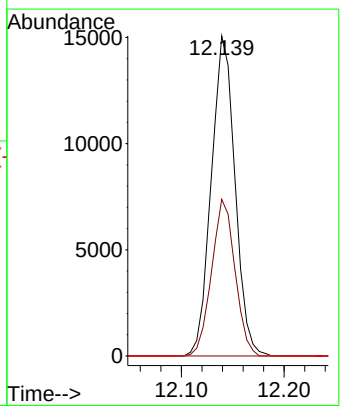
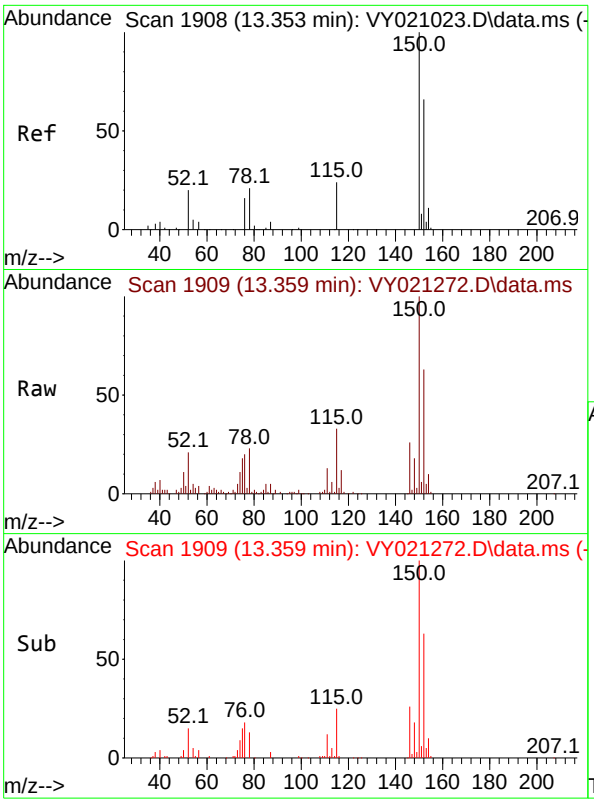


#71
Bromoform
Concen: 61.904 ug/l
RT: 12.139 min Scan# 1709
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:173 Resp: 24095

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.5	70.6
254	0.0	0.0	0.0

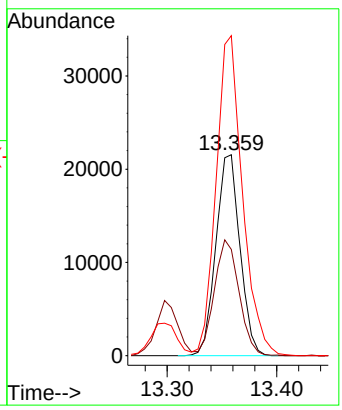




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:152 Resp: 3284

Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	175.0	0.0	344.6



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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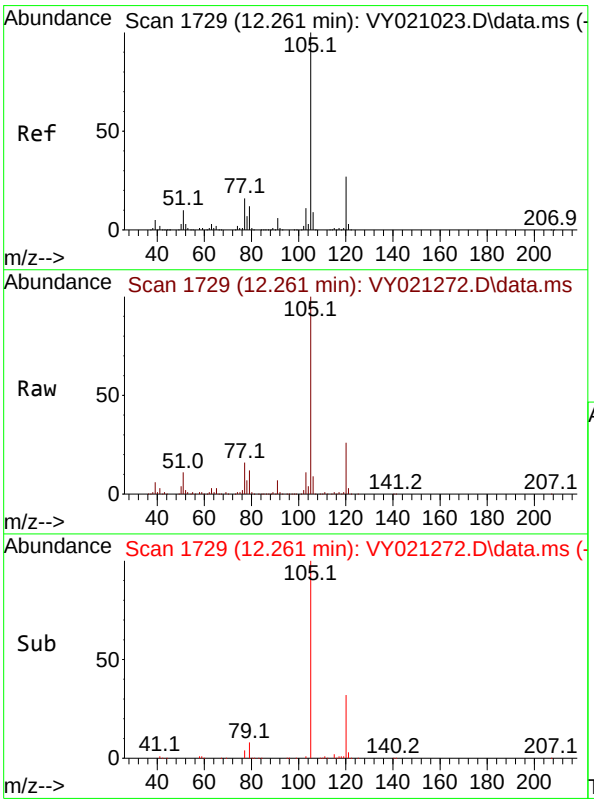
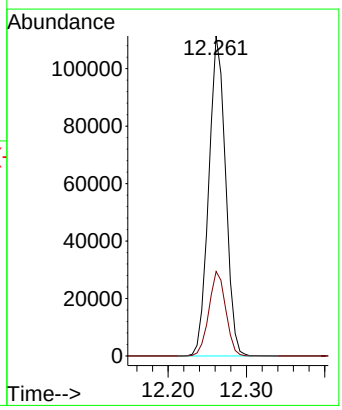
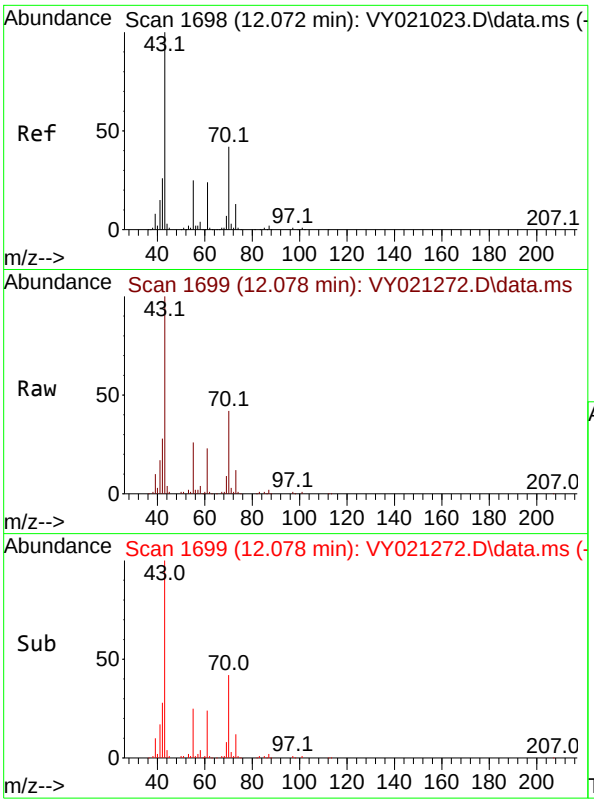


#73
Isopropylbenzene
Concen: 64.553 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:105 Resp: 165641

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	39.0

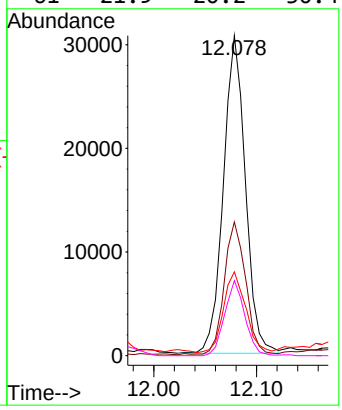




#74
N-amyl acetate
Concen: 81.084 ug/l
RT: 12.078 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 43 Resp: 4548

Ion	Ratio	Lower	Upper
43	100		
70	40.1	36.6	55.0
55	26.3	22.2	33.4
61	21.9	20.2	30.4



Instrument :
MSVOA_Y
ClientSampleId :
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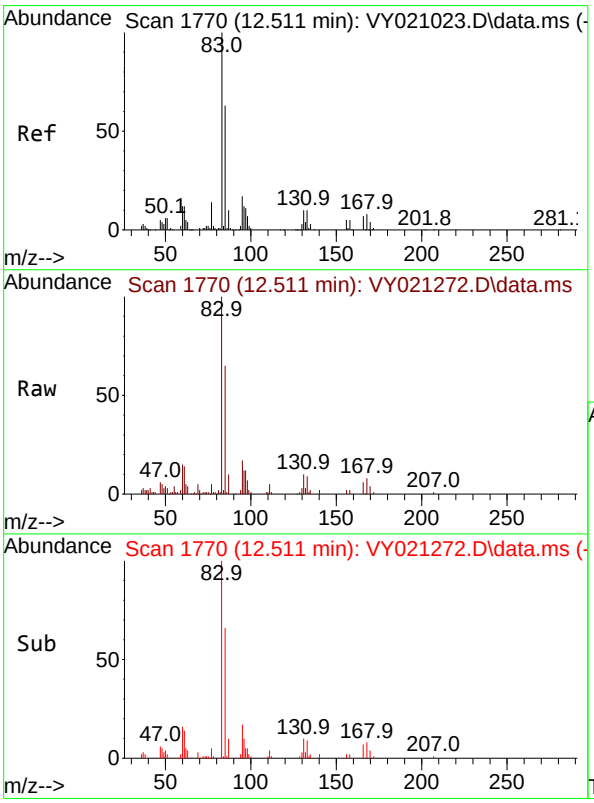
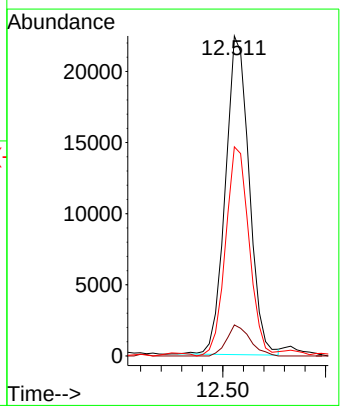
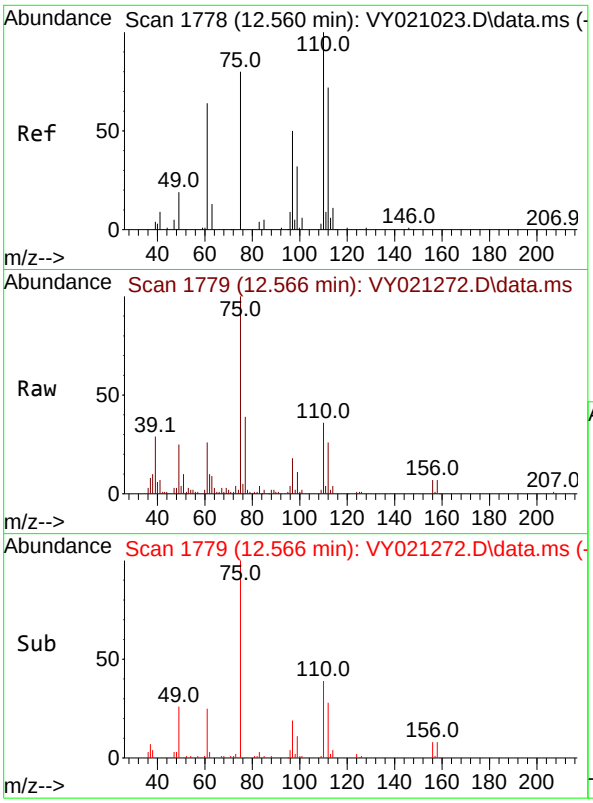


#75
1,1,2,2-Tetrachloroethane
Concen: 84.189 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 83 Resp: 35928

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.6
85	65.2	32.6	98.0





#76
1,2,3-Trichloropropane
Concen: 78.686 ug/l m
RT: 12.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 75 Resp: 2344

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
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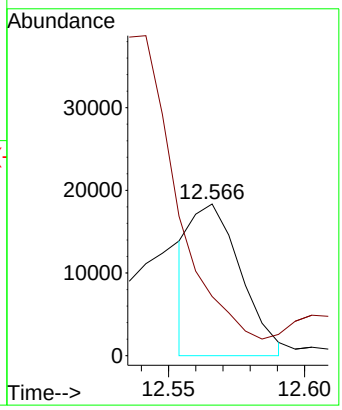
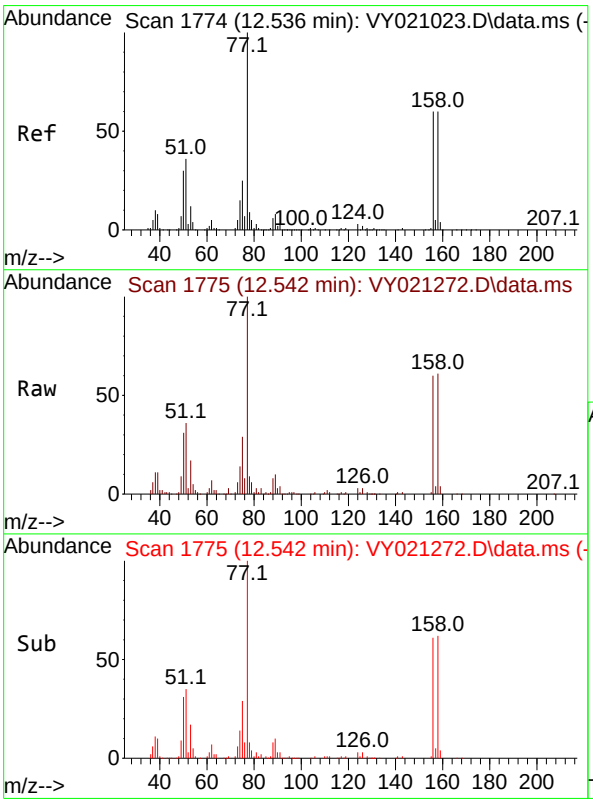
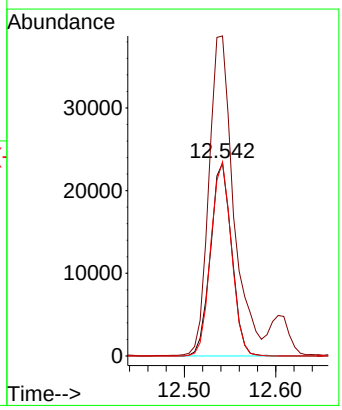


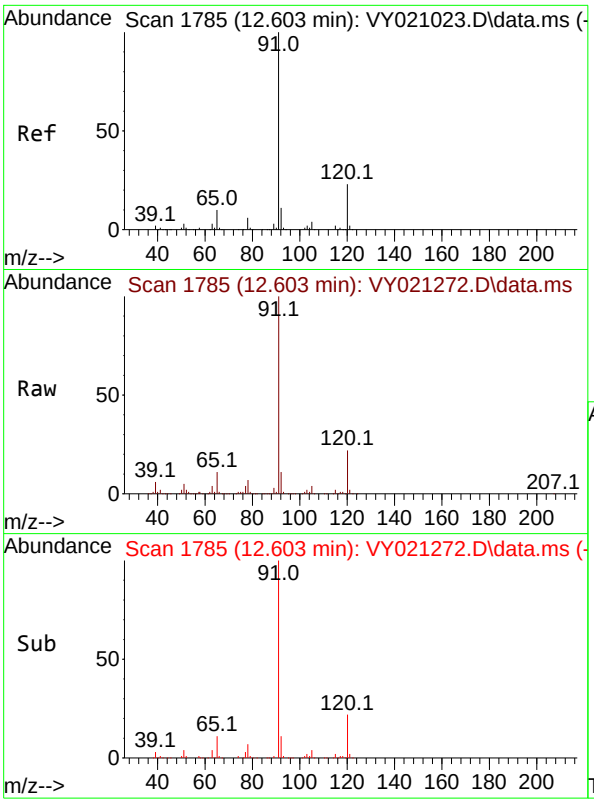


#77
Bromobenzene
Concen: 63.254 ug/l
RT: 12.542 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:156 Resp: 37455

Ion	Ratio	Lower	Upper
156	100		
77	193.7	97.3	291.8
158	98.5	48.4	145.0

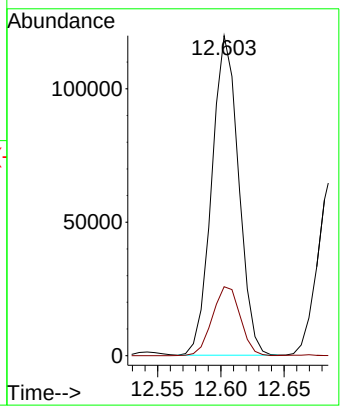




#78
n-propylbenzene
Concen: 57.805 ug/l
RT: 12.603 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 91 Resp: 17668

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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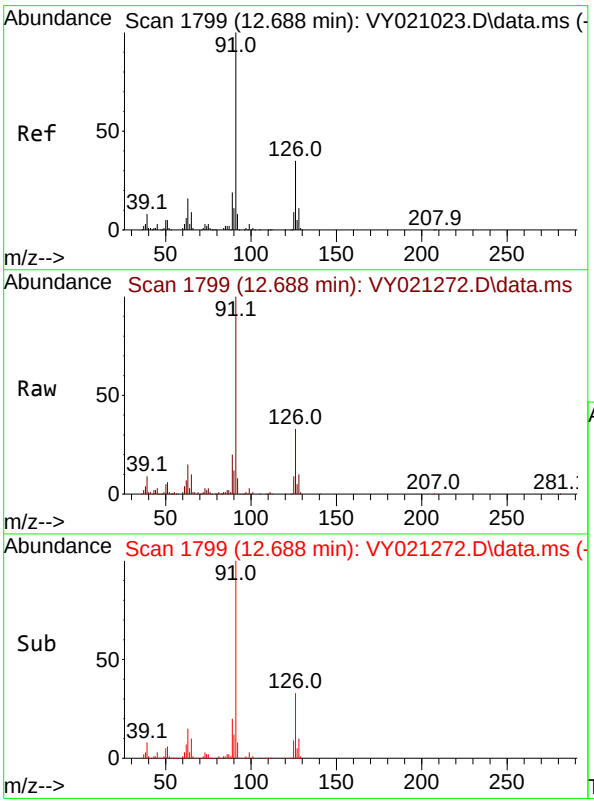
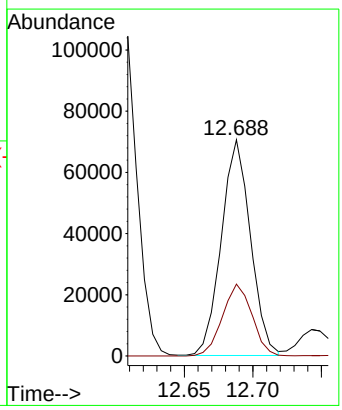
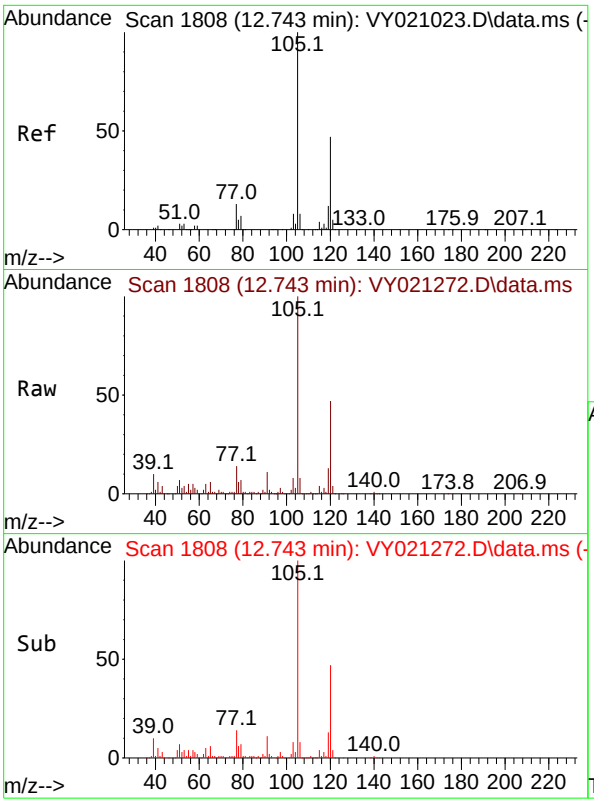


#79
2-Chlorotoluene
Concen: 59.612 ug/l
RT: 12.688 min Scan# 1799
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 91 Resp: 104363

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	51.0

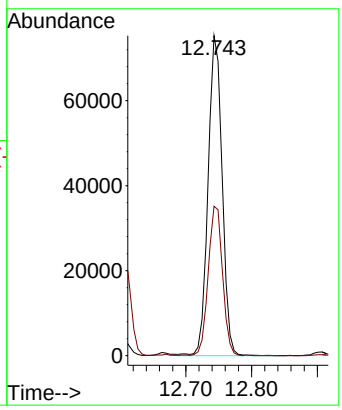




#80
1,3,5-Trimethylbenzene
Concen: 53.918 ug/l
RT: 12.743 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:105 Resp: 11217

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.3	72.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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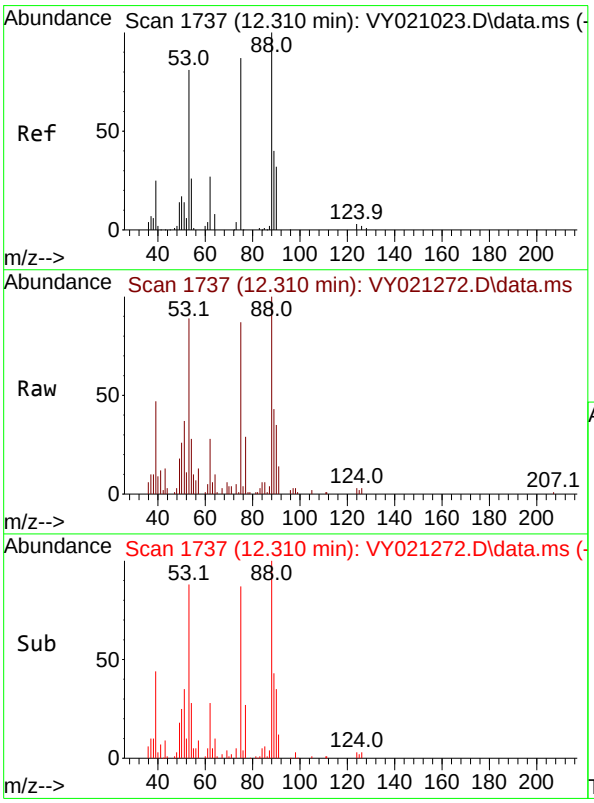
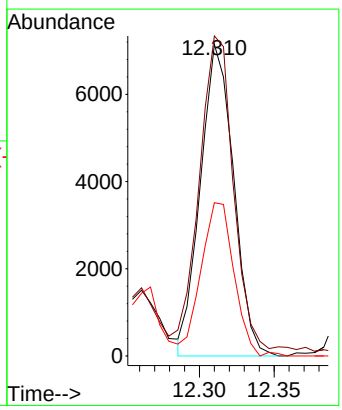
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

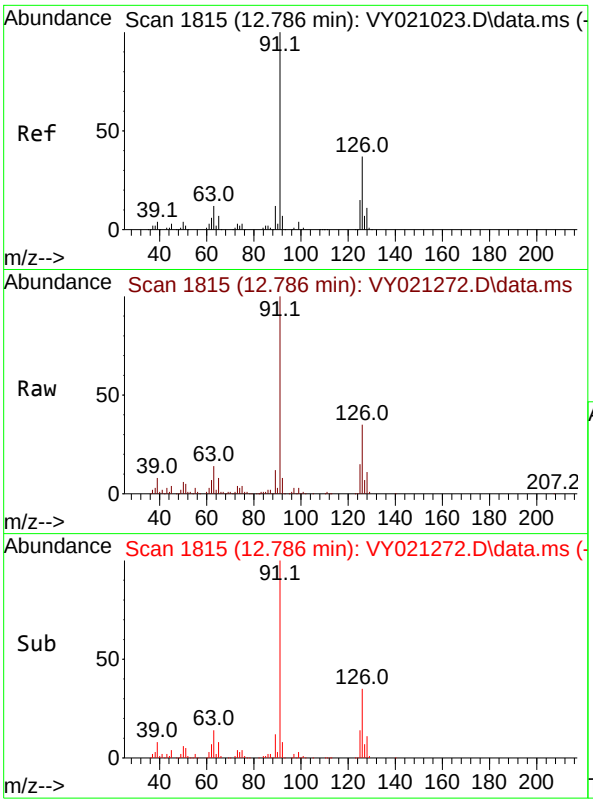


#81
trans-1,4-Dichloro-2-butene
Concen: 75.605 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 75 Resp: 11041

Ion	Ratio	Lower	Upper
75	100		
53	105.6	74.0	111.0
89	49.0	36.5	54.7





#82
4-Chlorotoluene
Concen: 55.251 ug/l
RT: 12.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 91 Resp: 9855

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.1	51.2

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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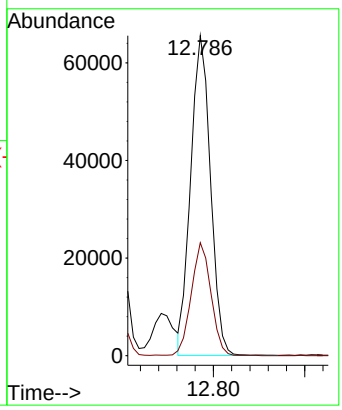
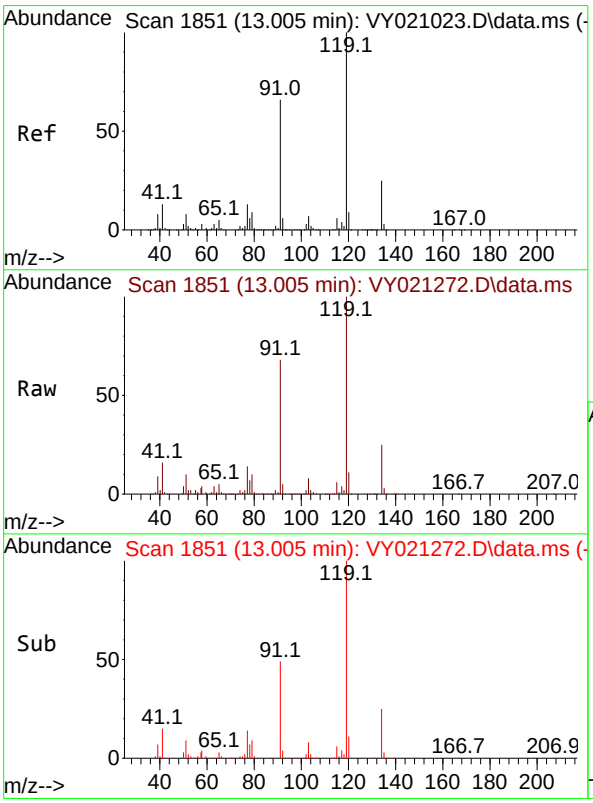
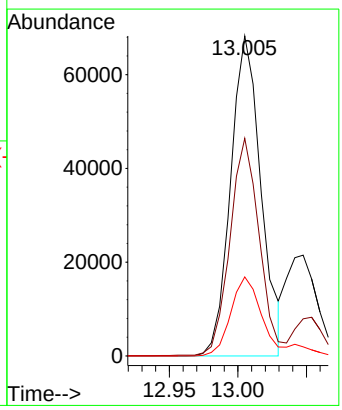


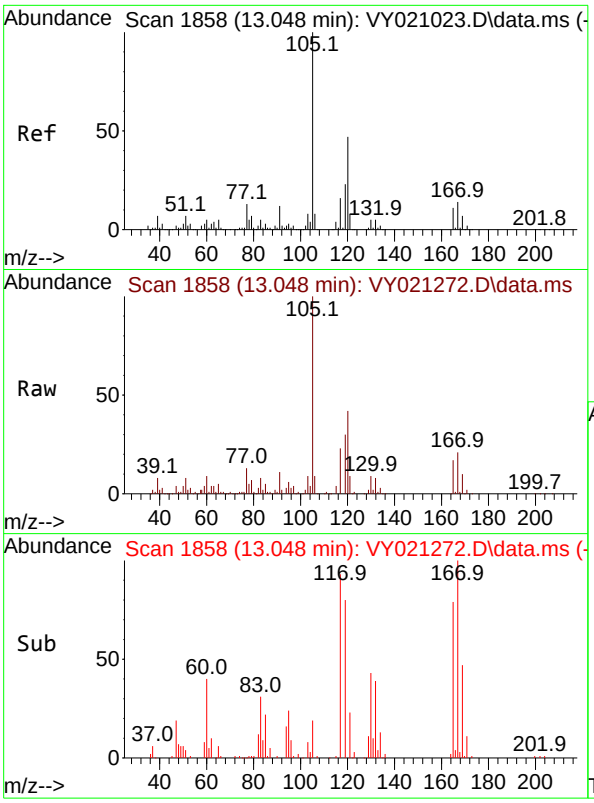


#83
tert-Butylbenzene
Concen: 55.549 ug/l
RT: 13.005 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:119 Resp: 105042

Ion	Ratio	Lower	Upper
119	100		
91	66.1	31.5	94.5
134	25.0	13.1	39.3

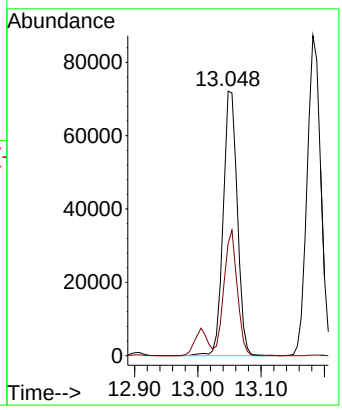




#84
1,2,4-Trimethylbenzene
Concen: 54.947 ug/l
RT: 13.048 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:105 Resp: 11177

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.3



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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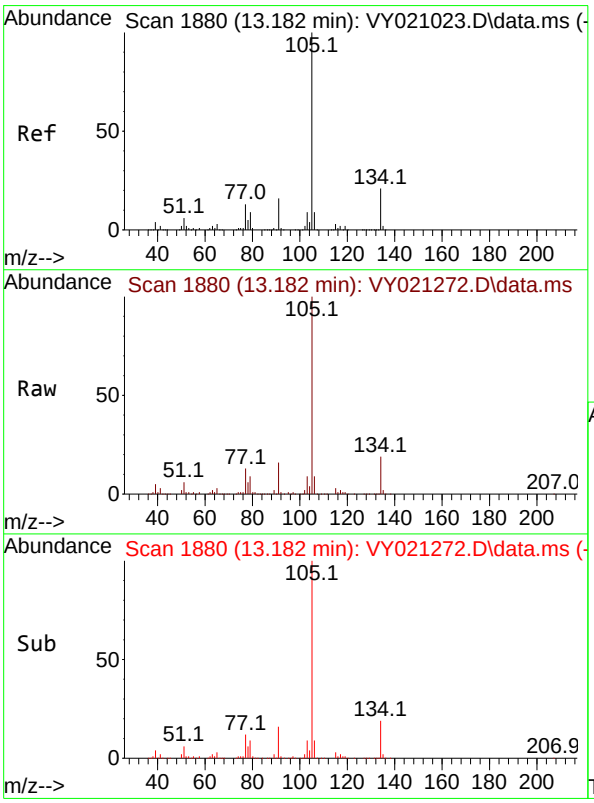
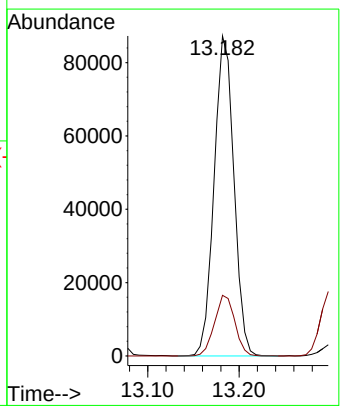
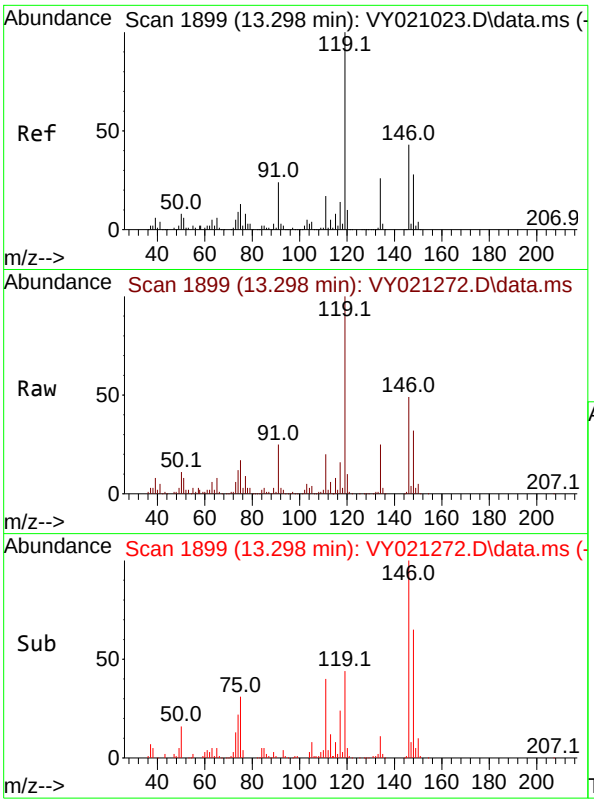


#85
sec-Butylbenzene
Concen: 48.261 ug/l
RT: 13.182 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:105 Resp: 131369

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

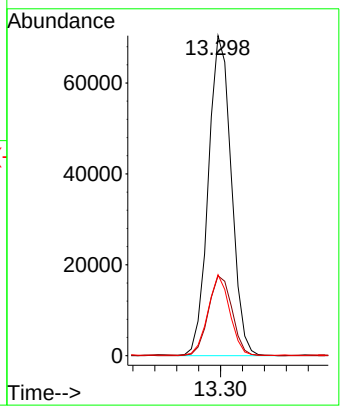




#86
p-Isopropyltoluene
Concen: 45.303 ug/l
RT: 13.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:119 Resp: 10243

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	23.9	11.7	35.0



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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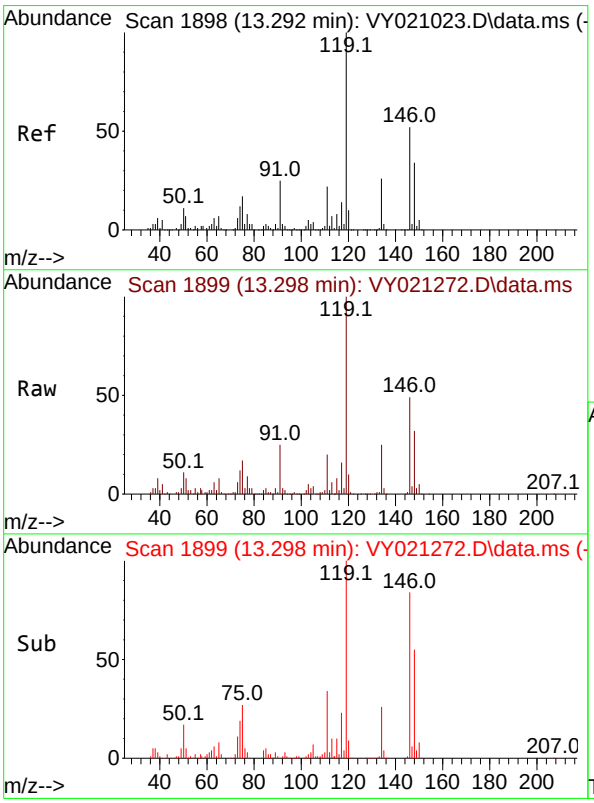
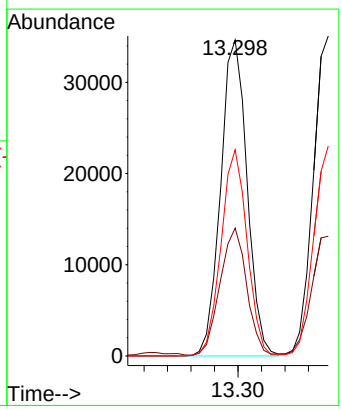
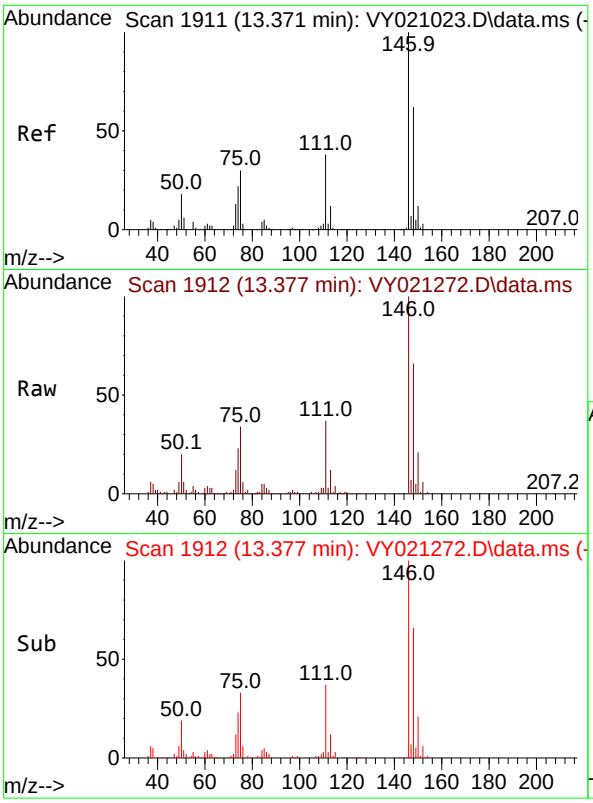


#87
1,3-Dichlorobenzene
Concen: 47.419 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:146 Resp: 54216

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.1	31.9	95.9

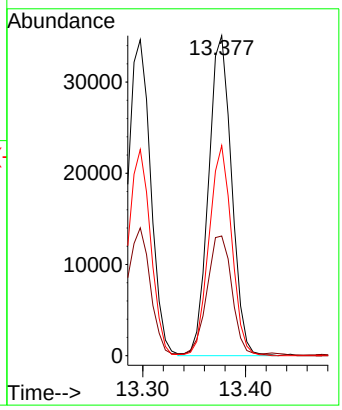




#88
1,4-Dichlorobenzene
Concen: 48.474 ug/l
RT: 13.377 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:146 Resp: 5456

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	64.8	31.6	94.7



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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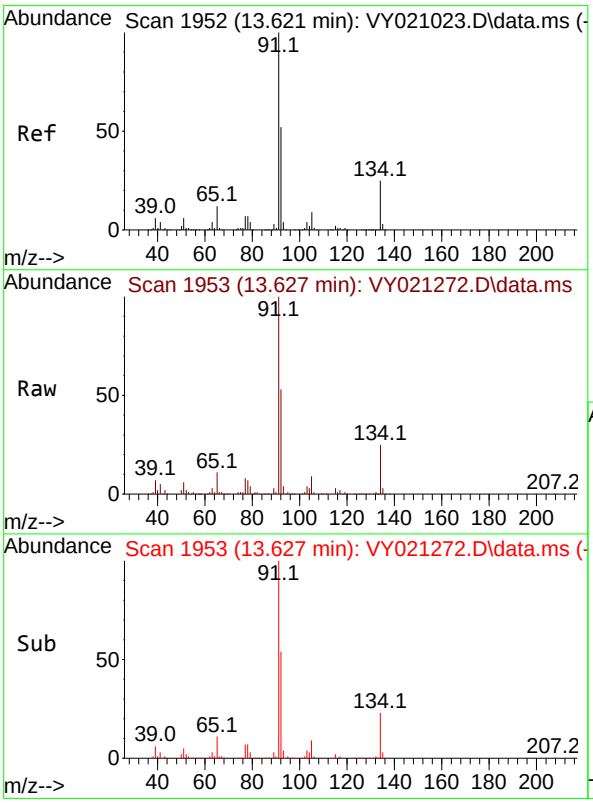
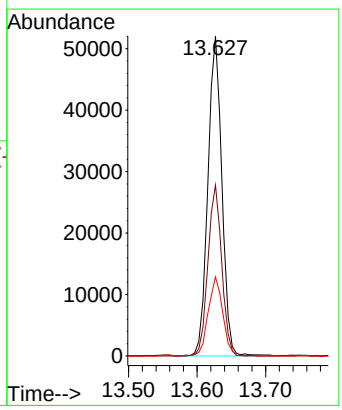
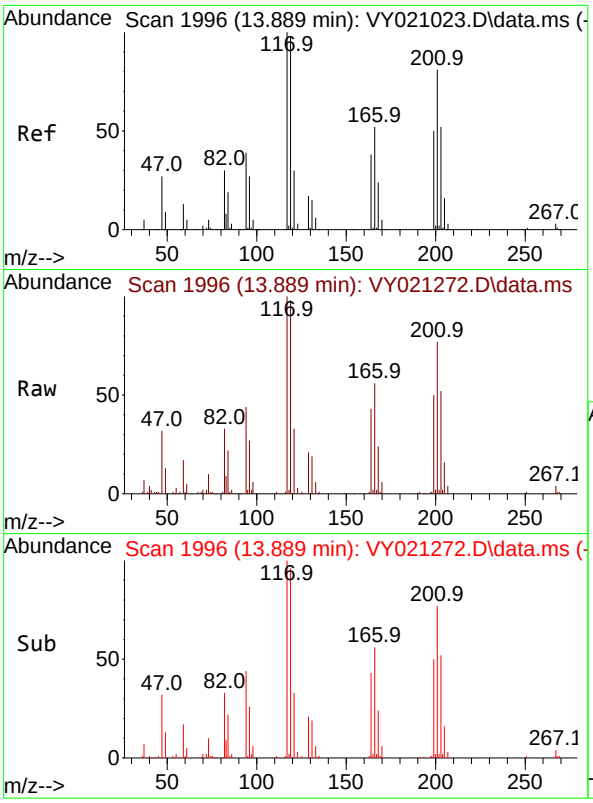


#89
n-Butylbenzene
Concen: 35.855 ug/l
RT: 13.627 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 91 Resp: 73961

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.2
134	25.5	12.3	36.8





#90
Hexachloroethane
Concen: 47.945 ug/l
RT: 13.889 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:117 Resp: 2261

Ion	Ratio	Lower	Upper
117	100		
201	76.8	33.4	100.1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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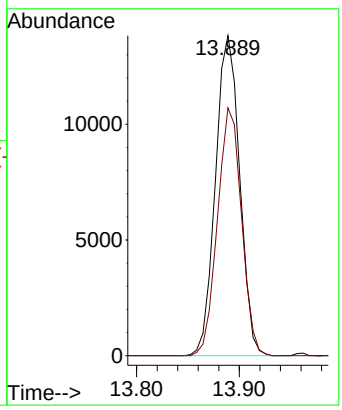
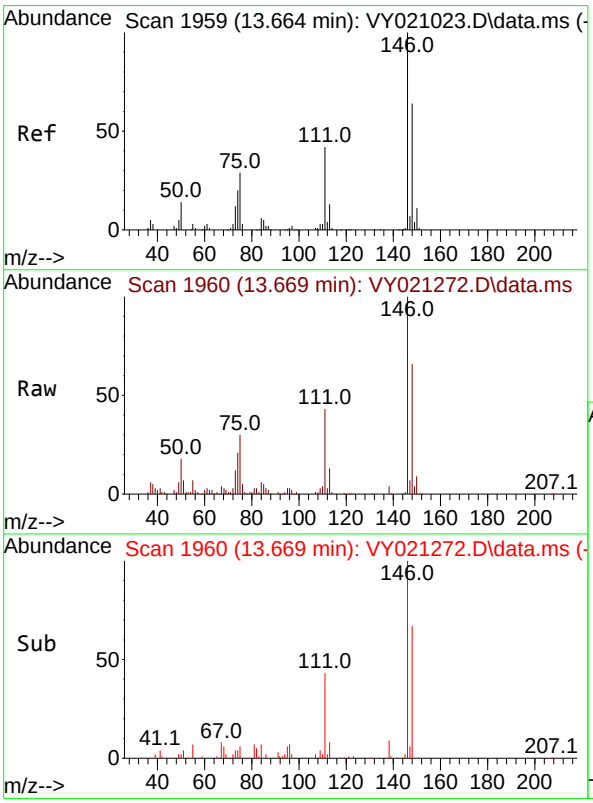
Reviewed By :Mahesh Dadoda 02/21/2025
Supervised By :Semsettin Yesilyurt 02/21/2025

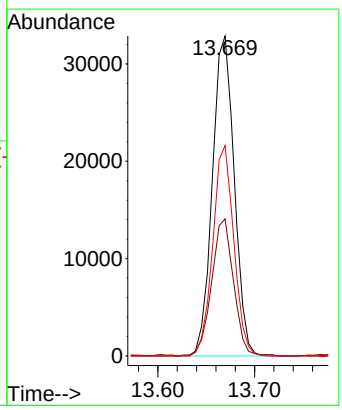


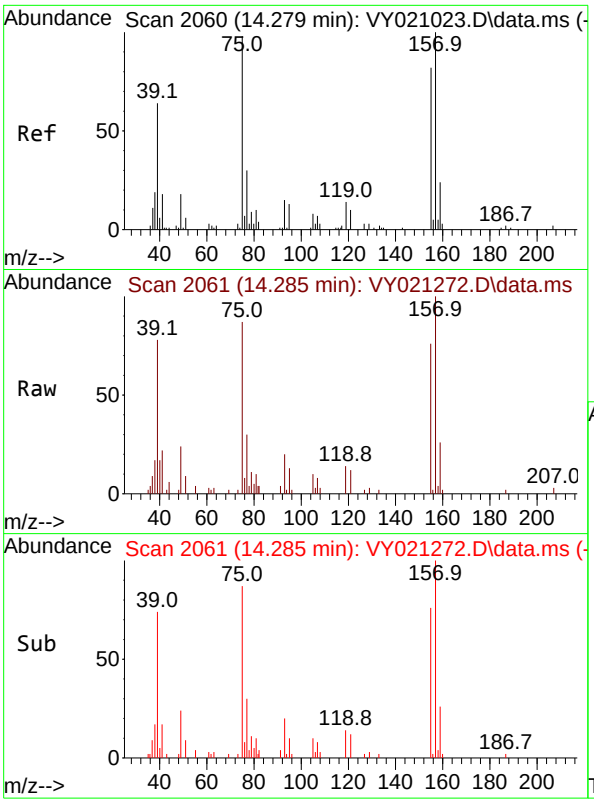


#91
1,2-Dichlorobenzene
Concen: 52.002 ug/l
RT: 13.669 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:146 Resp: 51605

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.5	61.6
148	63.3	31.4	94.3





#92
1,2-Dibromo-3-Chloropropane
Concen: 73.825 ug/l
RT: 14.285 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion: 75 Resp: 470

Ion	Ratio	Lower	Upper
75	100		
155	80.3	42.1	126.3
157	111.5	55.8	167.4

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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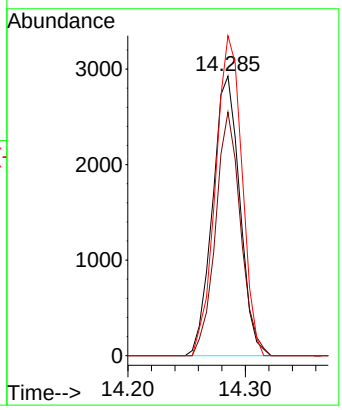
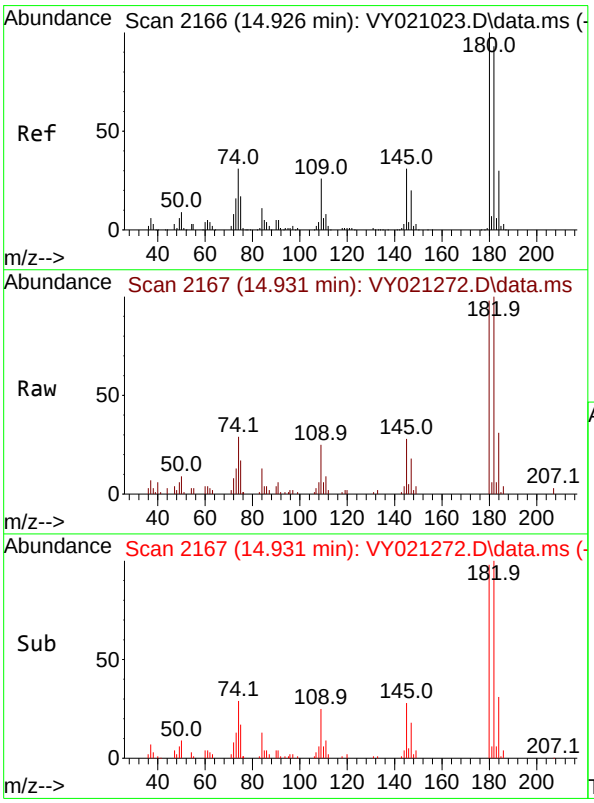
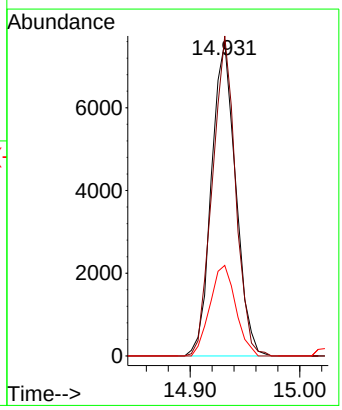


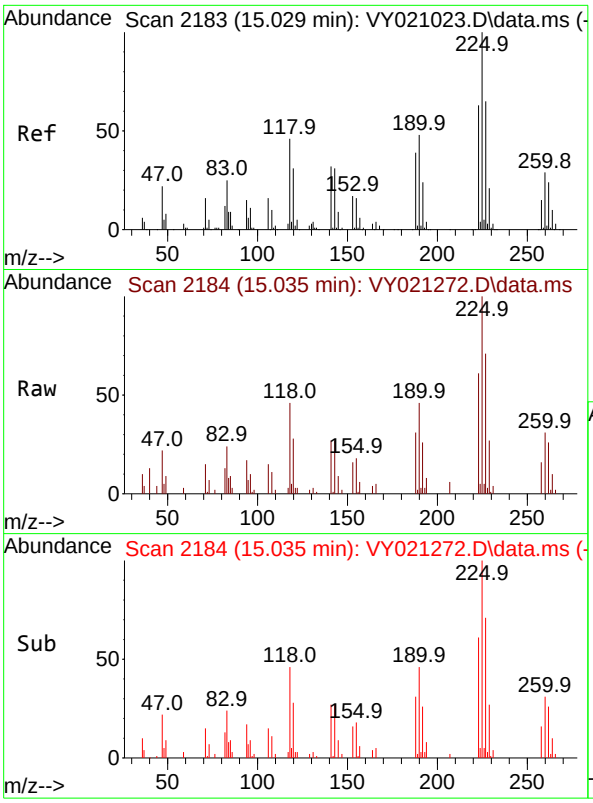


#93
1,2,4-Trichlorobenzene
Concen: 21.062 ug/l
RT: 14.931 min Scan# 2167
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:180 Resp: 11634

Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.7
145	30.7	15.9	47.7

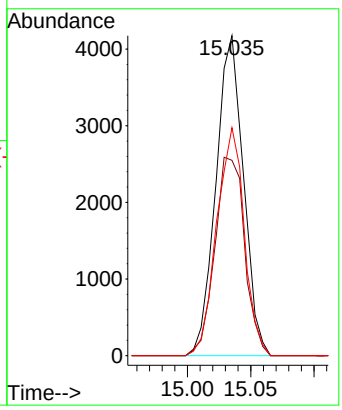




#94
Hexachlorobutadiene
Concen: 17.246 ug/l
RT: 15.035 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:225 Resp: 631

Ion	Ratio	Lower	Upper
225	100		
223	67.1	31.4	94.3
227	71.3	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Manual Integrations
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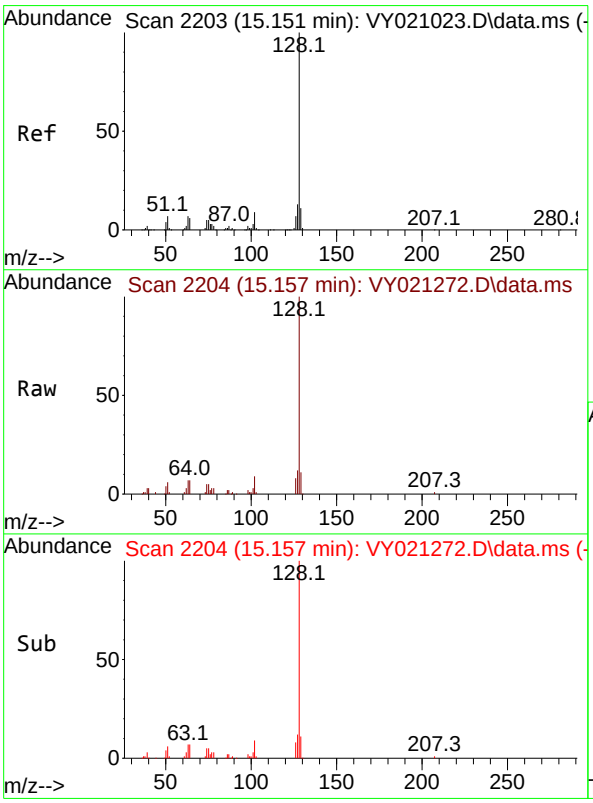
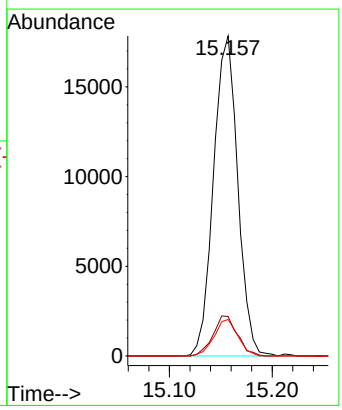
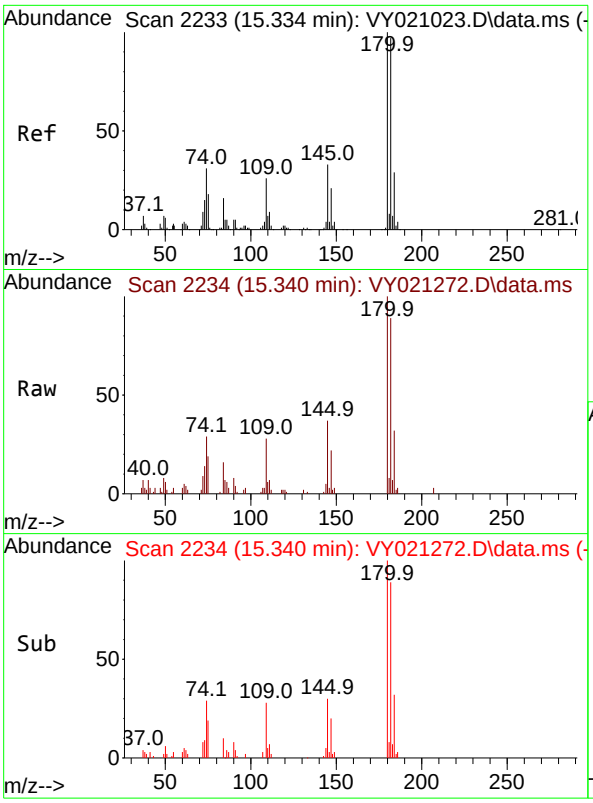


#95
Naphthalene
Concen: 33.002 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:128 Resp: 29165

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	11.2	8.6	12.8

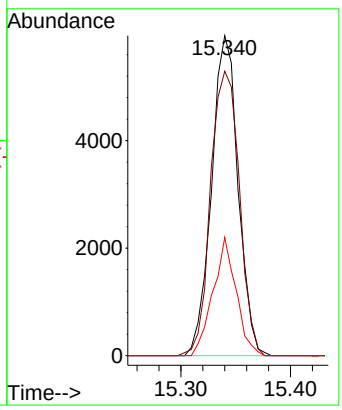




#96
1,2,3-Trichlorobenzene
Concen: 21.789 ug/l
RT: 15.340 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021272.D
Acq: 21 Feb 2025 00:06

Tgt Ion:180 Resp: 1001

Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.3	138.8
145	32.3	16.1	48.2



Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

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Chemtech Project Number: Q1380

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-192	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 10 DAYS*
HARD COPY: 10 DAYS*
EDD 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A									<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	BP-VPB-192-EB-20250212	QA		X	2/12/25	15:00	3	2	1								
2.	BP-VPB-192-TB-20250210	QA		X	2/10/25	9:00	2	2									Trip blank
3.	BP-VPB-192-GW-725-727	AQ		X	2/10/25	15:00	6	6									8260B MS/MSD
4.	BP-VPB-192-GW-780-782	AQ		X	2/13/25	10:05	5	2	3								8270SIM MS/MSD
5.	VPB-192-HYD-20250214	AQ		X	2/14/25	13:30	3	2	1								
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	2/17/25 1530	1. 1530 2-17-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	2-17-25 1801	3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.4C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?:_____
Comments: Standard TAT

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1380 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 2/17/2025 3:59:00 PM
Project Name : ~~CTO WE13~~ NWIRP Bethpage CTO WE13 - VPB-192 #112G08005
Receive DateTime : 2/18/2025 6:01:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1380-01	BP-VPB-192-EB-20250212	Water	02/12/2025	15:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1380-02	BP-VPB-192-TB-20250210	Water	02/10/2025	09:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1380-06	BP-VPB-192-GW-725-727	Solid	02/10/2025	15:00					
					VOCMS Group1		8260D		10 Bus. Days
Q1380-07	Q1380-06MS	Solid	02/10/2025	15:00					
					VOCMS Group1		8260D		10 Bus. Days
Q1380-08	Q1380-06MSD	Solid	02/10/2025	15:00					
					VOCMS Group1		8260D		10 Bus. Days
Q1380-09	~~BP-VPB-192-GW-780-727~~ BP-VPB-192-GW-780-782	Water	02/13/2025	10:05					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1380-12	VPB192-HYD-20250214	Water	02/14/2025	13:30					
					VOCMS Group1		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1380 TETR06	**Order Date :**	2/17/2025 3:59:00 PM	**Project Mgr :**	
Client Name :	Tetra Tech NUS, Inc.	**Project Name :**	CTO WE13	**Report Type :**	Level 4
Client Contact :	Ernie Wu	**Receive DateTime :**	2/18/2025 6:01:00 PM	**EDD Type :**	ADAPT
Invoice Name :	Tetra Tech NUS, Inc.	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Ernie Wu			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 2-18-25 1110

Received By :
Date / Time : 02/18/25 11:00

Storage Area : VOA Refridgerator Room

Ice #6
FZ2
Ice #4

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	290979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	458183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	412615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	406028	107.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 215.260%#			
35) Dibromofluoromethane	8.159	113	343729	114.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 229.300%#			
50) Toluene-d8	10.559	98	1323681	121.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 242.700%#			
62) 4-Bromofluorobenzene	12.841	95	460996	128.269	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 256.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	403621	101.979	ug/l	99
3) Chloromethane	2.359	50	376343	94.759	ug/l	99
4) Vinyl Chloride	2.512	62	406434	96.652	ug/l	100
5) Bromomethane	2.948	94	252576	93.935	ug/l	99
6) Chloroethane	3.118	64	260404	93.490	ug/l	97
7) Trichlorofluoromethane	3.495	101	587970	96.574	ug/l	98
8) Diethyl Ether	3.959	74	199406	101.225	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	350536	99.604	ug/l	98
10) Methyl Iodide	4.583	142	444531	102.472	ug/l	98
11) Tert butyl alcohol	5.506	59	210616	453.930	ug/l	100
12) 1,1-Dichloroethene	4.336	96	323037	101.234	ug/l	96
13) Acrolein	4.171	56	337091	489.916	ug/l	98
14) Allyl chloride	5.018	41	434760	103.773	ug/l	97
15) Acrylonitrile	5.706	53	761272	504.697	ug/l	99
16) Acetone	4.418	43	567220	475.190	ug/l	99
17) Carbon Disulfide	4.706	76	910987	96.328	ug/l	99
18) Methyl Acetate	5.012	43	379901	92.531	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	1016766	107.229	ug/l	100
20) Methylene Chloride	5.271	84	365222	95.142	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	340161	99.001	ug/l	96
22) Diisopropyl ether	6.665	45	1015041	107.223	ug/l	99
23) Vinyl Acetate	6.594	43	3542783	548.253	ug/l	100
24) 1,1-Dichloroethane	6.565	63	638203	99.172	ug/l	98
25) 2-Butanone	7.471	43	896027	510.235	ug/l	100
26) 2,2-Dichloropropane	7.483	77	572429	100.033	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	410066	102.929	ug/l	99
28) Bromochloromethane	7.806	49	280092	105.895	ug/l	97
29) Tetrahydrofuran	7.830	42	599504	528.664	ug/l	100
30) Chloroform	7.959	83	651761	96.914	ug/l	99
31) Cyclohexane	8.253	56	511031	94.843	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	589206	98.502	ug/l	98
36) 1,1-Dichloropropene	8.365	75	466531	109.949	ug/l	99
37) Ethyl Acetate	7.553	43	366887	105.069	ug/l	99
38) Carbon Tetrachloride	8.353	117	524870	104.105	ug/l	98
39) Methylcyclohexane	9.594	83	513492	123.184	ug/l	98
40) Benzene	8.600	78	1448660	106.522	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	203689	109.119	ug/l		95
42) 1,2-Dichloroethane	8.665	62	457707	103.326	ug/l		100
43) Isopropyl Acetate	8.683	43	616521	101.163	ug/l		98
44) Trichloroethene	9.347	130	339019	101.529	ug/l		100
45) 1,2-Dichloropropane	9.618	63	345721	105.316	ug/l		99
46) Dibromomethane	9.700	93	243628	105.216	ug/l		100
47) Bromodichloromethane	9.883	83	521496	105.269	ug/l		99
48) Methyl methacrylate	9.677	41	304067	117.252	ug/l		100
49) 1,4-Dioxane	9.688	88	100443	2036.793	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	1896777	563.403	ug/l		100
52) Toluene	10.624	92	910251	114.182	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	527815	115.223	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	573653	114.202	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	330642	104.317	ug/l		99
56) Ethyl methacrylate	10.871	69	510041	100.007	ug/l		100
57) 1,3-Dichloropropane	11.159	76	567039	107.169	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	1216927	502.158	ug/l		99
59) 2-Hexanone	11.188	43	1358126	586.394	ug/l		99
60) Dibromochloromethane	11.353	129	402920	109.169	ug/l		99
61) 1,2-Dibromoethane	11.465	107	324747	108.439	ug/l		99
64) Tetrachloroethene	11.100	164	316658	99.063	ug/l		97
65) Chlorobenzene	11.888	112	976337	103.290	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	346777	102.068	ug/l		100
67) Ethyl Benzene	11.959	91	1736848	117.301	ug/l		100
68) m/p-Xylenes	12.065	106	1335750	237.496	ug/l		99
69) o-Xylene	12.394	106	635879	118.977	ug/l		99
70) Styrene	12.406	104	1095464	100.012	ug/l		100
71) Bromoform	12.576	173	269816	106.877	ug/l	#	98
73) Isopropylbenzene	12.688	105	1605096	112.422	ug/l		100
74) N-amyl acetate	12.488	43	546485	108.541	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	447332	91.050	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	599993	131.049	ug/l		58
77) Bromobenzene	12.976	156	395882	102.631	ug/l		100
78) n-propylbenzene	13.029	91	1905758	116.552	ug/l		100
79) 2-Chlorotoluene	13.118	91	1158348	106.029	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	1351753	116.226	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	170494	107.459	ug/l		96
82) 4-Chlorotoluene	13.218	91	1173182	108.322	ug/l		99
83) tert-Butylbenzene	13.435	119	1136802	116.235	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	1378080	119.764	ug/l		100
85) sec-Butylbenzene	13.612	105	1610382	116.540	ug/l		100
86) p-Isopropyltoluene	13.723	119	1374884	99.983	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	738679	102.213	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	729470	98.484	ug/l		99
89) n-Butylbenzene	14.053	91	1179057	120.179	ug/l		99
90) Hexachloroethane	14.329	117	258559	98.800	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	691905	99.562	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	82545	91.495	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	365599	110.404	ug/l		99
94) Hexachlorobutadiene	15.494	225	181264	90.068	ug/l		98
95) Naphthalene	15.635	128	1053414	115.870	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	343936	103.456	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
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Sample : VSTDICC100
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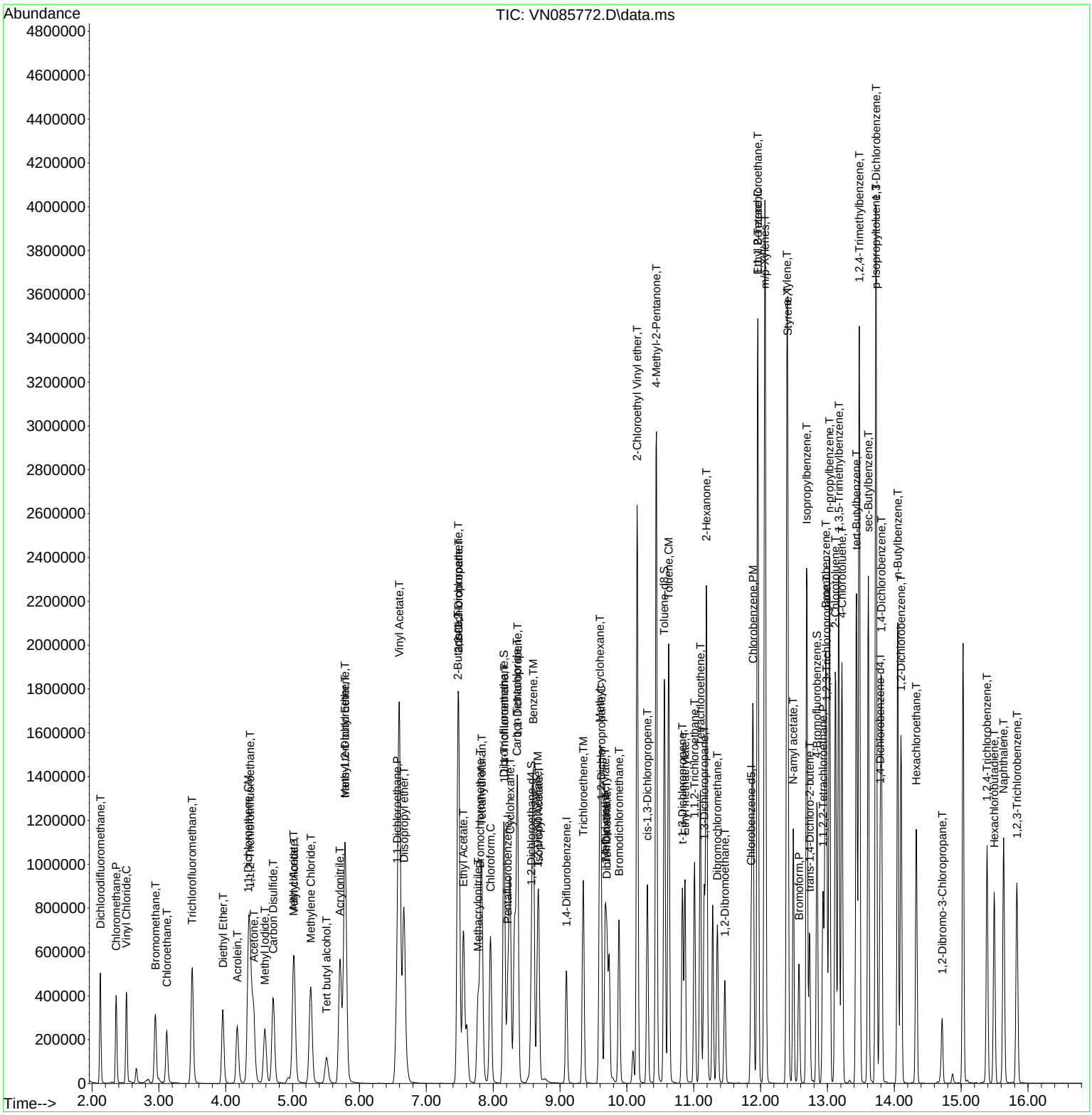
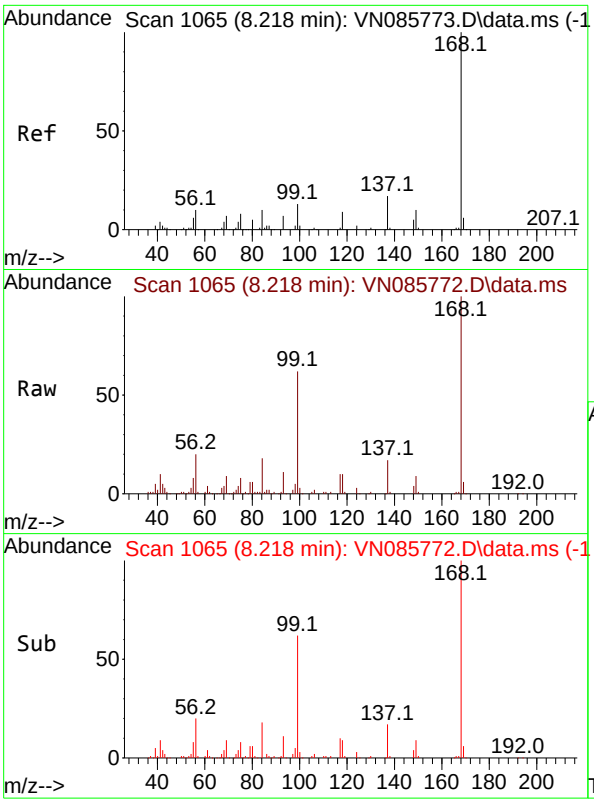
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration



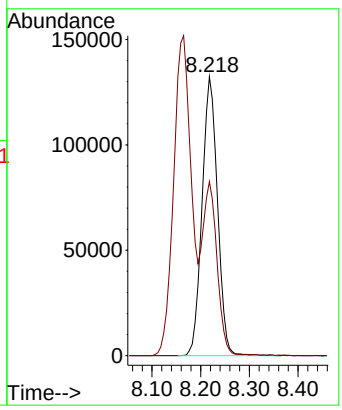


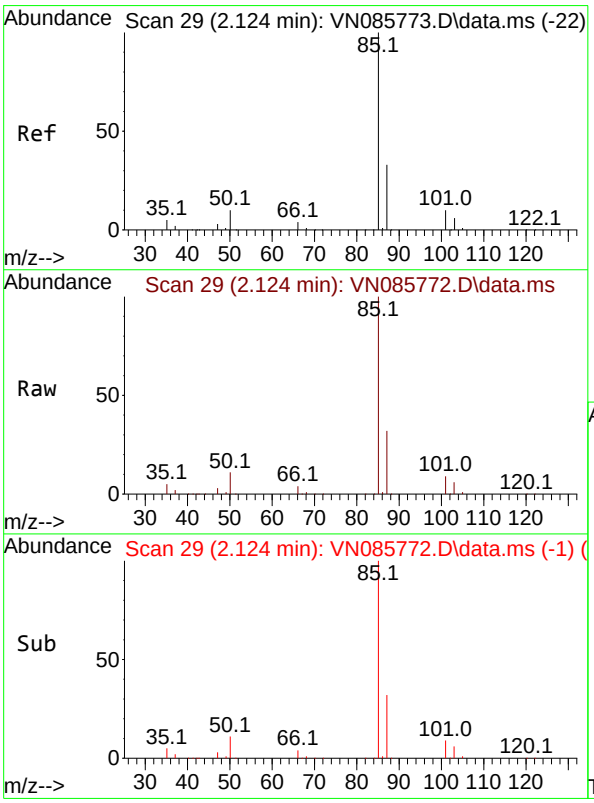
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 290979

Ion	Ratio	Lower	Upper
168	100		
99	62.1	47.9	71.9

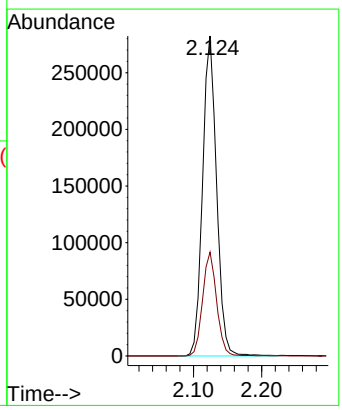


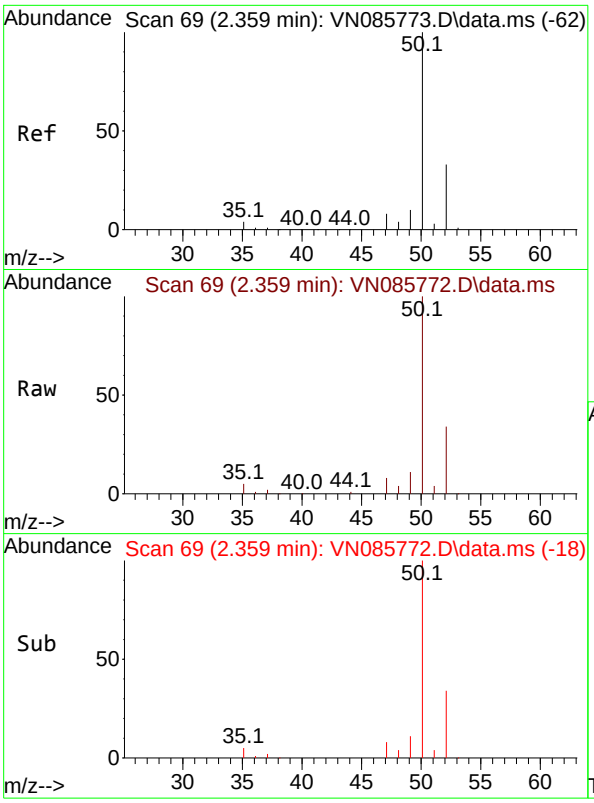


#2
Dichlorodifluoromethane
Concen: 101.979 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 85 Resp: 403621

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.4	49.2



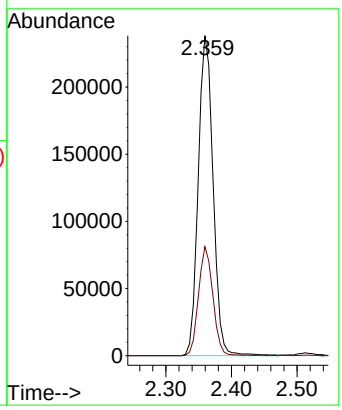


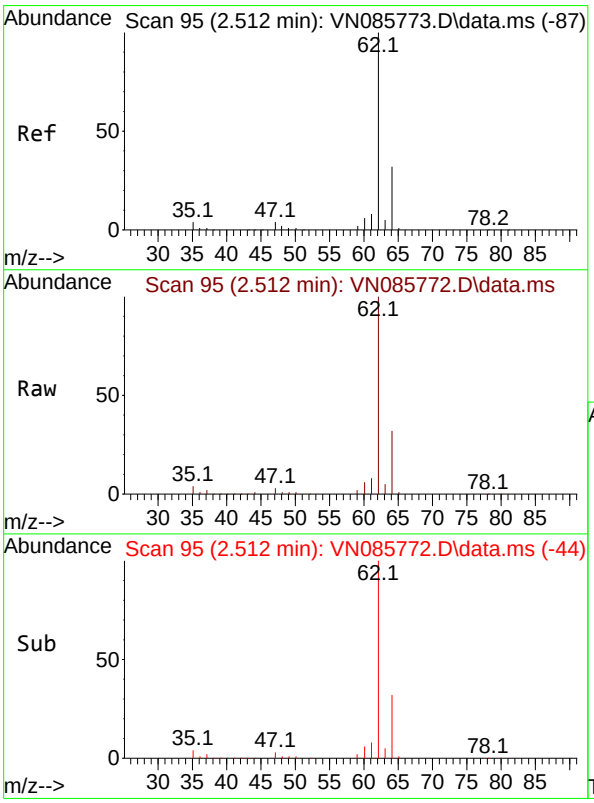
#3
Chloromethane
Concen: 94.759 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 376343

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.7	40.1

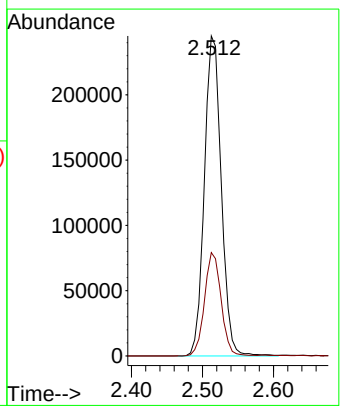


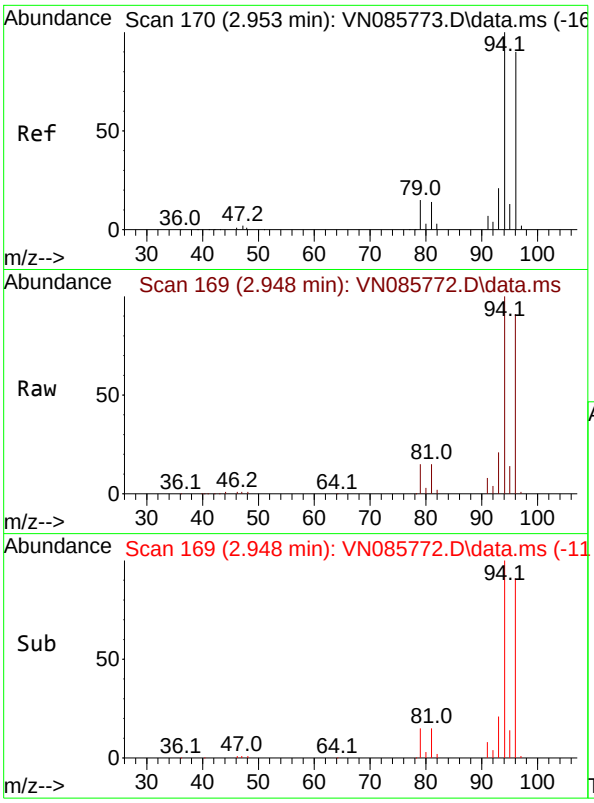


#4
Vinyl Chloride
Concen: 96.652 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 62 Resp: 406434

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.9	38.9



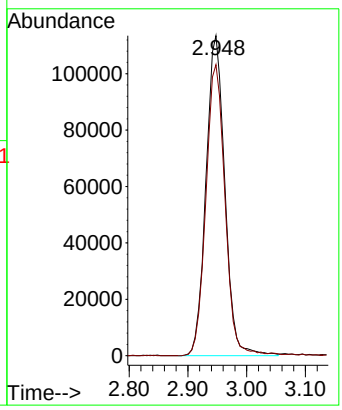


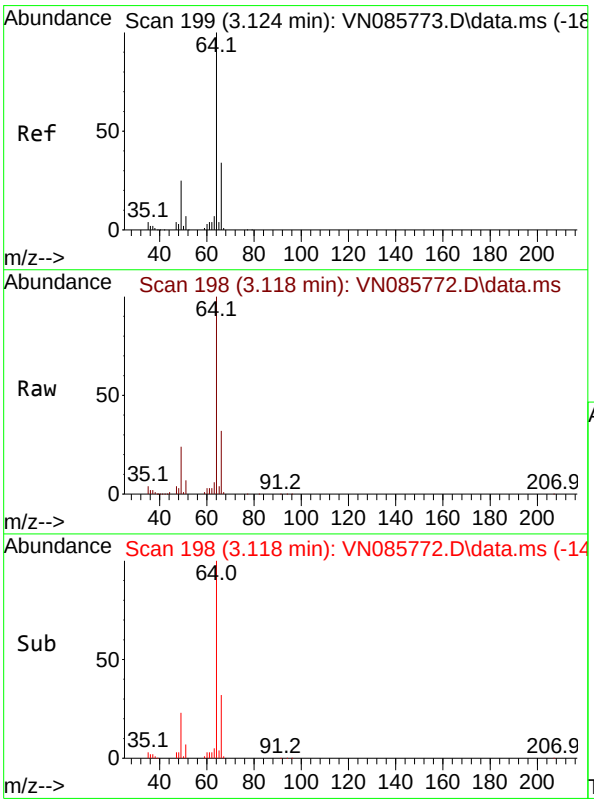
#5
Bromomethane
Concen: 93.935 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 252576

Ion	Ratio	Lower	Upper
94	100		
96	91.0	71.7	107.5

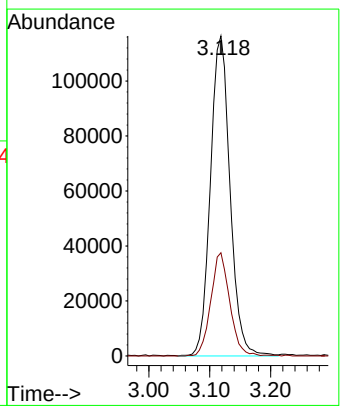


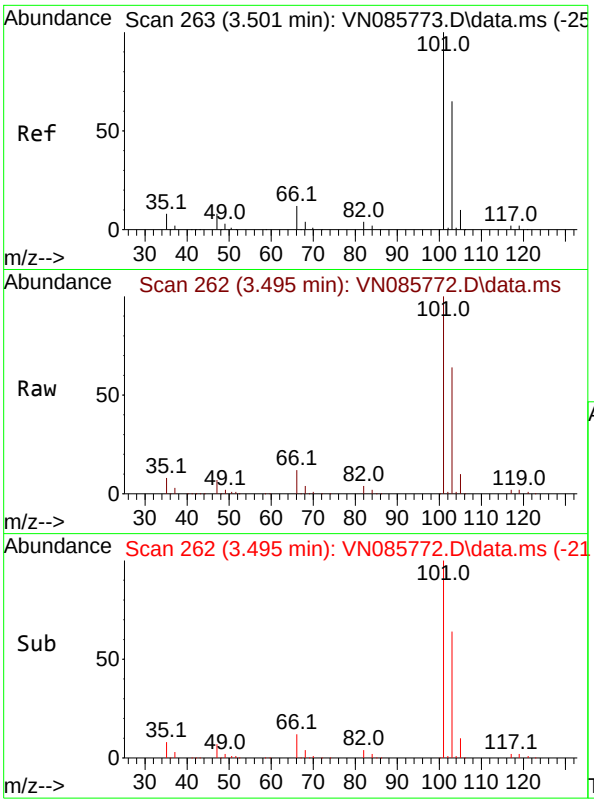


#6
Chloroethane
Concen: 93.490 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 64 Resp: 260404

Ion	Ratio	Lower	Upper
64	100		
66	32.2	27.0	40.6



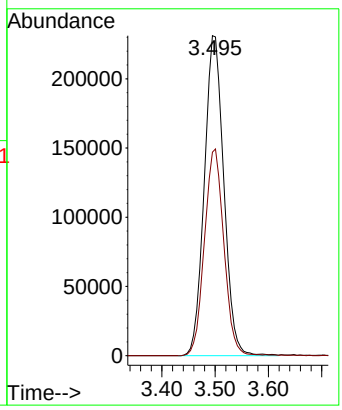


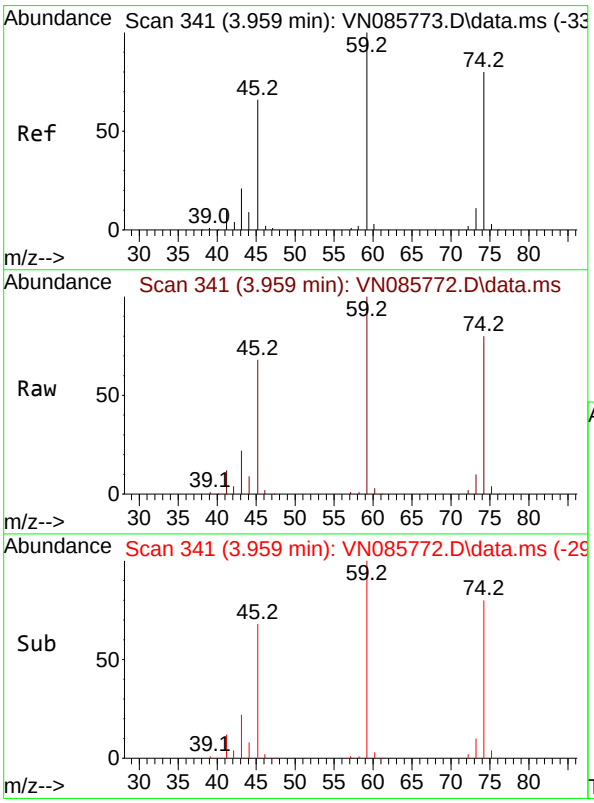
#7
Trichlorofluoromethane
Concen: 96.574 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 587970

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.4

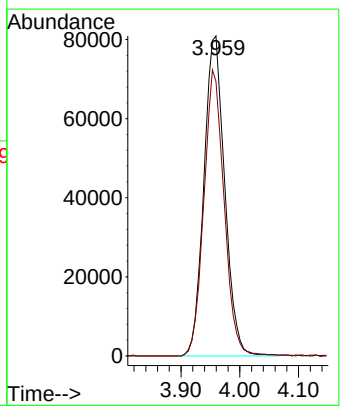


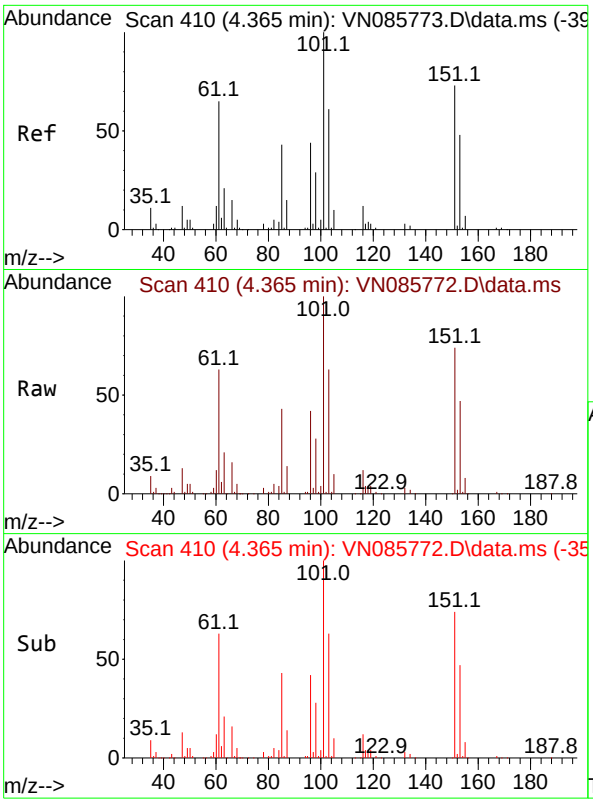


#8
Diethyl Ether
Concen: 101.225 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 74 Resp: 199406

Ion	Ratio	Lower	Upper
74	100		
45	87.3	42.5	127.6



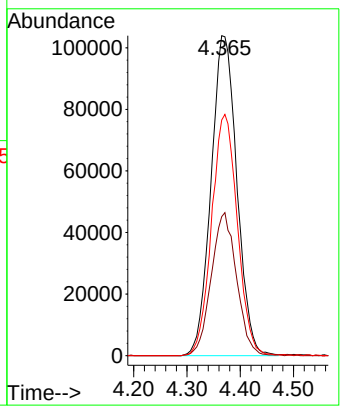


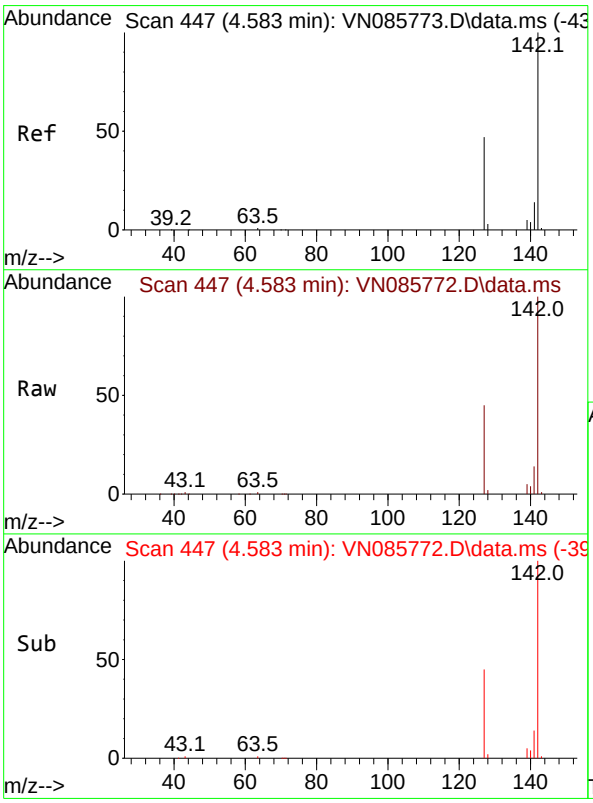
#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.604 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 350536

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.7	53.5
151	75.0	61.4	92.2

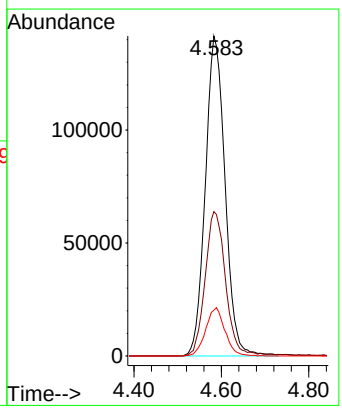


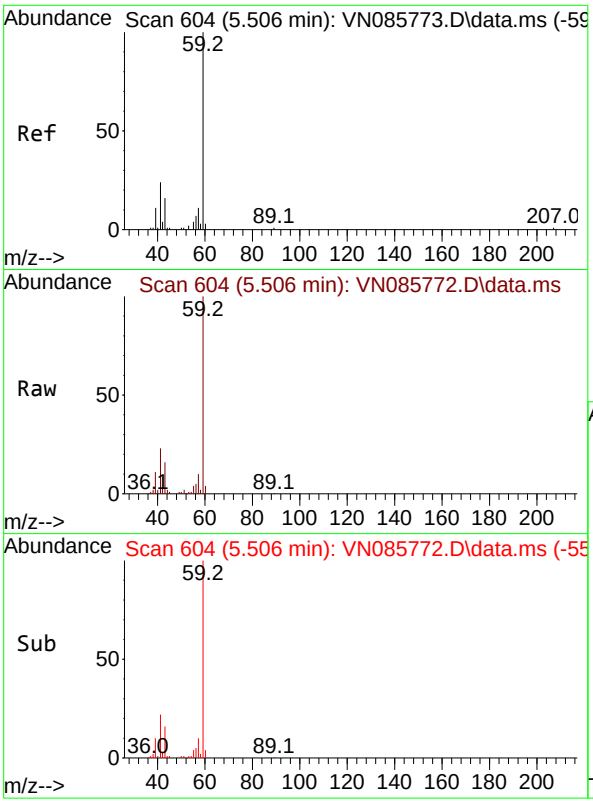


#10
Methyl Iodide
Concen: 102.472 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:142 Resp: 444531

Ion	Ratio	Lower	Upper
142	100		
127	45.1	37.6	56.4
141	14.3	11.4	17.2



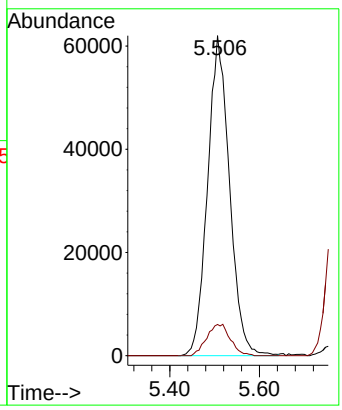


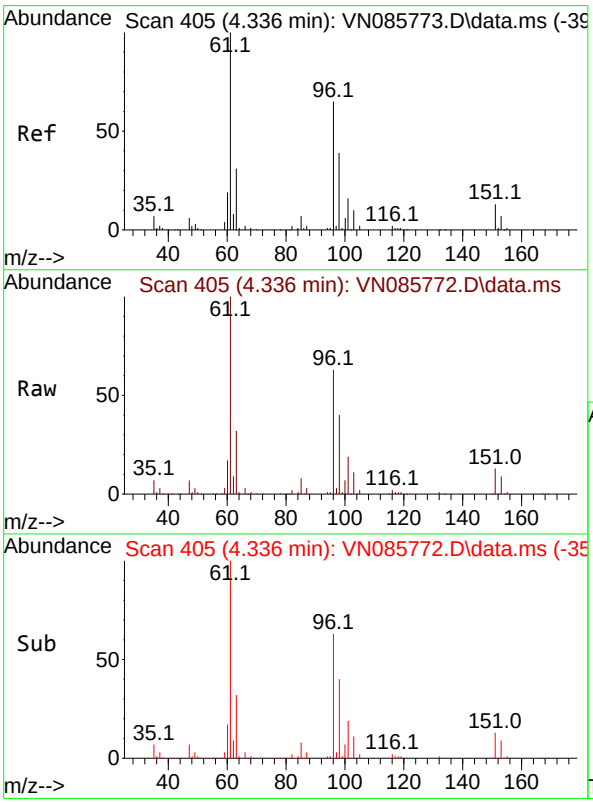
#11
Tert butyl alcohol
Concen: 453.930 ug/l
RT: 5.506 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 210616

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

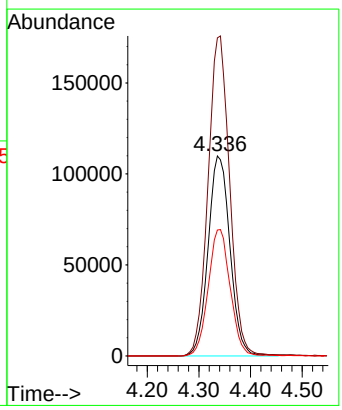


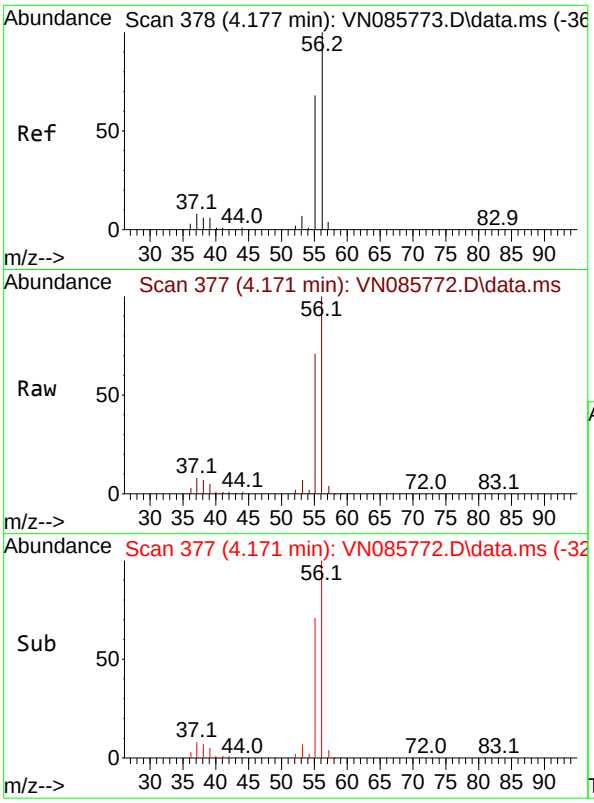


#12
1,1-Dichloroethene
Concen: 101.234 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 96 Resp: 323037

Ion	Ratio	Lower	Upper
96	100		
61	159.1	123.3	184.9
98	63.0	48.6	72.8



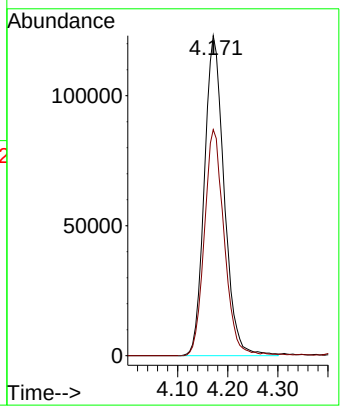


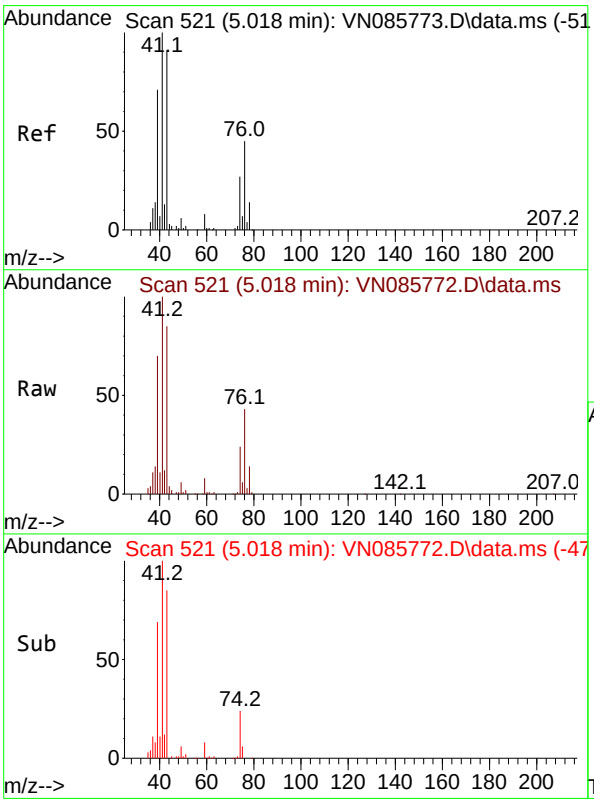
#13
Acrolein
Concen: 489.916 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 337091

Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.3	82.9

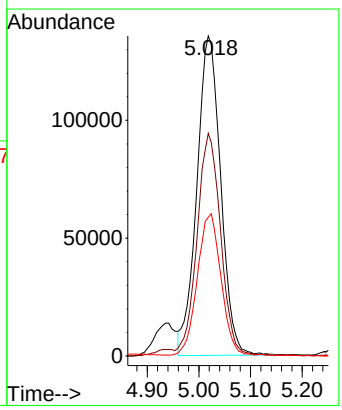


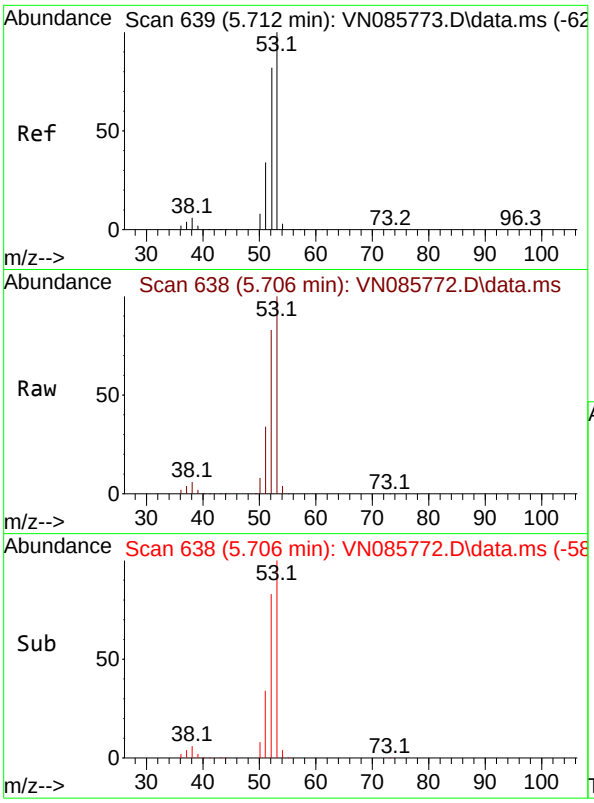


#14
Allyl chloride
Concen: 103.773 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 41 Resp: 434760

Ion	Ratio	Lower	Upper
41	100		
39	68.8	57.4	86.2
76	43.6	36.2	54.2



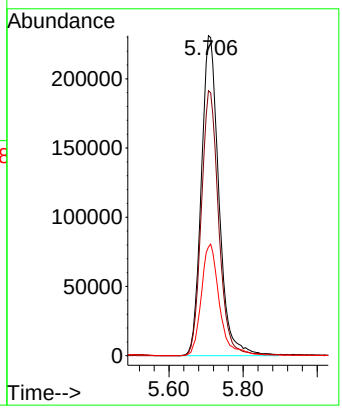


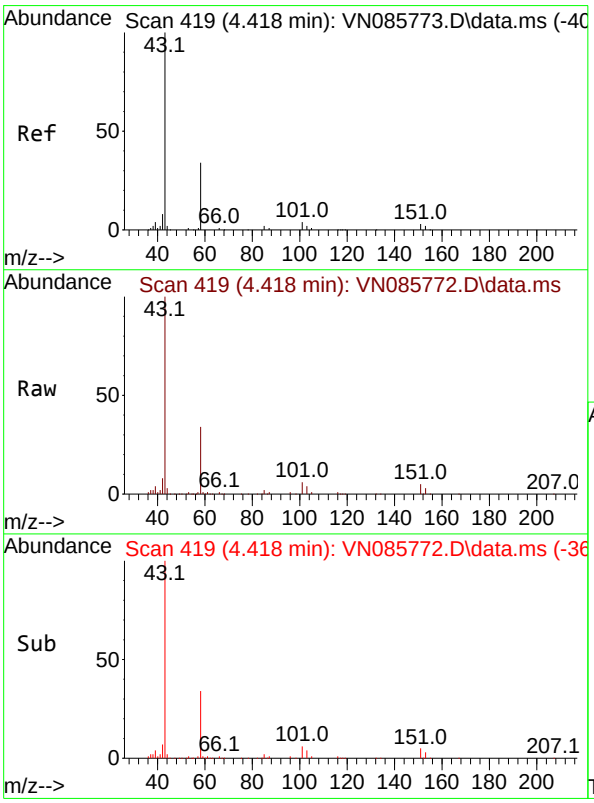
#15
Acrylonitrile
Concen: 504.697 ug/l
RT: 5.706 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 761272

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.8	98.6
51	36.1	28.6	42.8

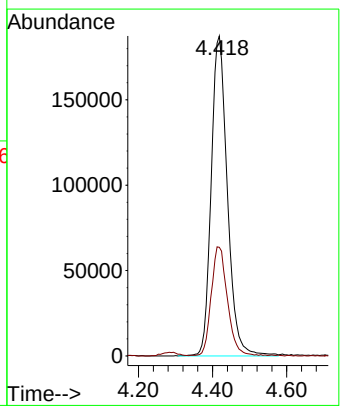


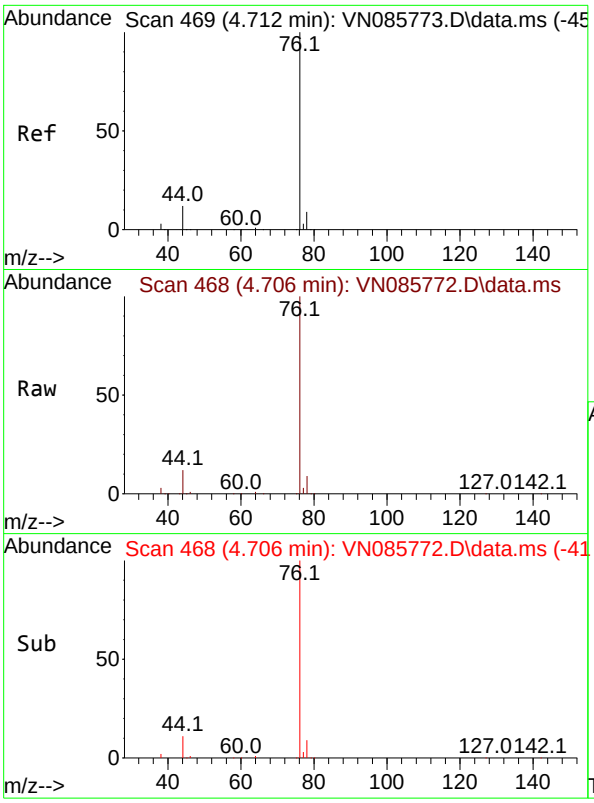


#16
Acetone
Concen: 475.190 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 567220

Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.5	41.3



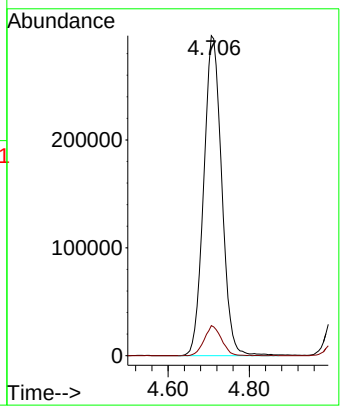


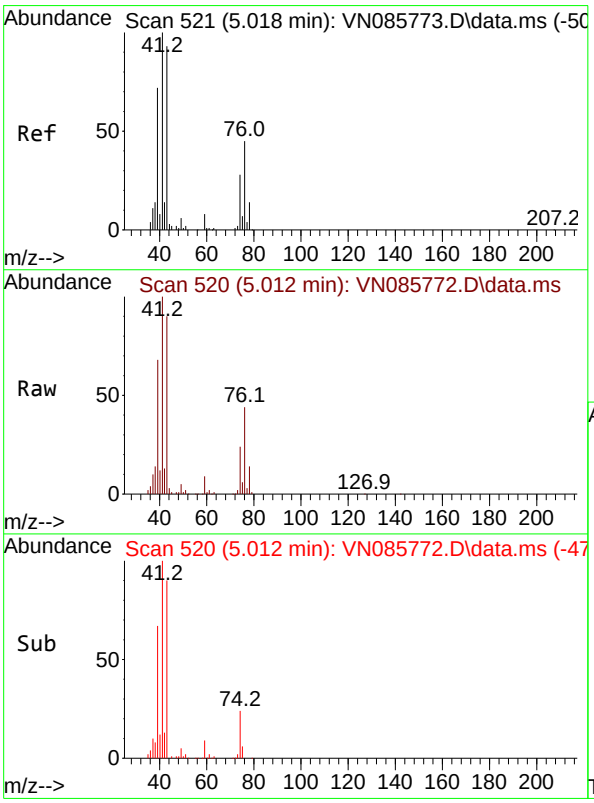
#17
Carbon Disulfide
Concen: 96.328 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 910987

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

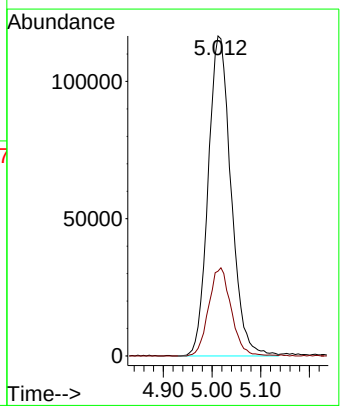


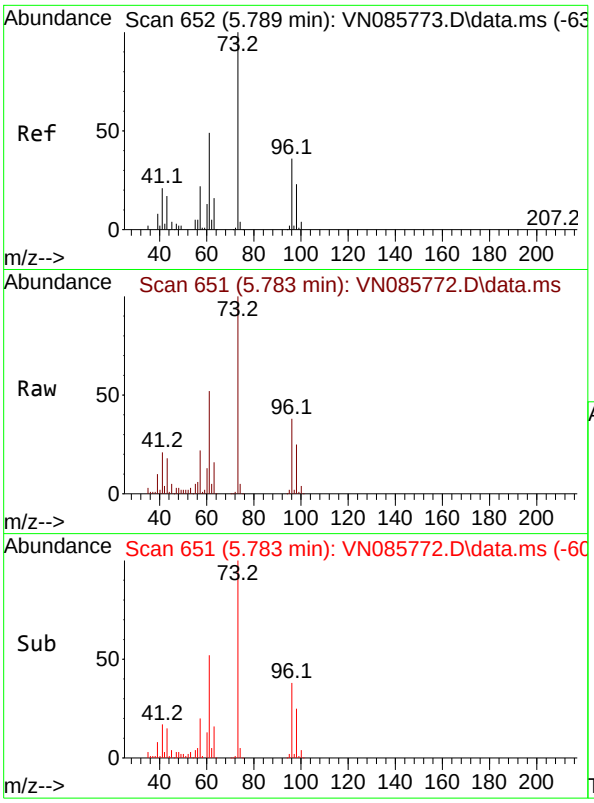


#18
Methyl Acetate
Concen: 92.531 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 379901

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4



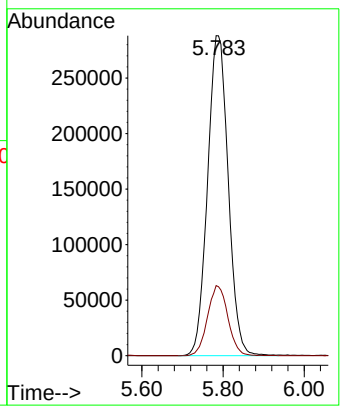


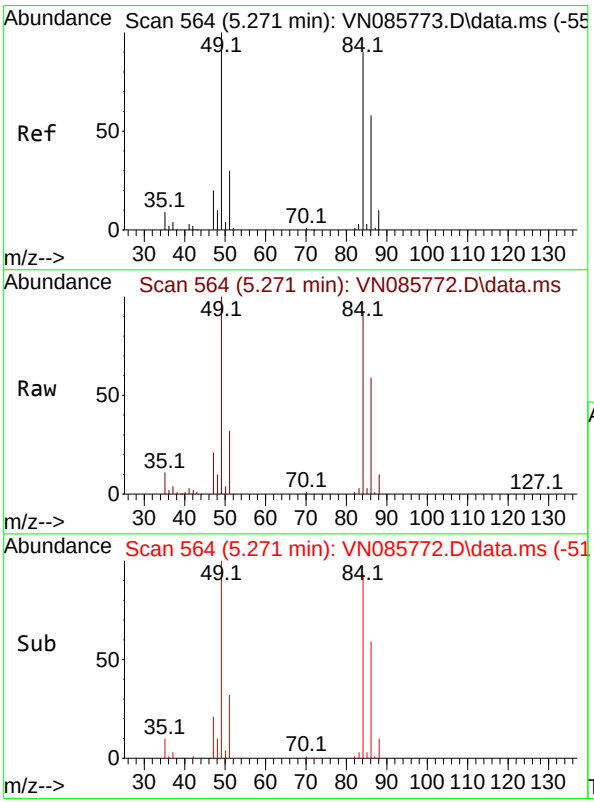
#19
Methyl tert-butyl Ether
Concen: 107.229 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 1016766

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4

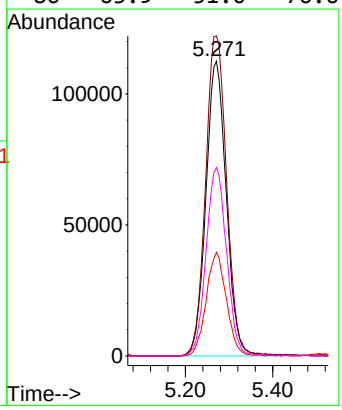


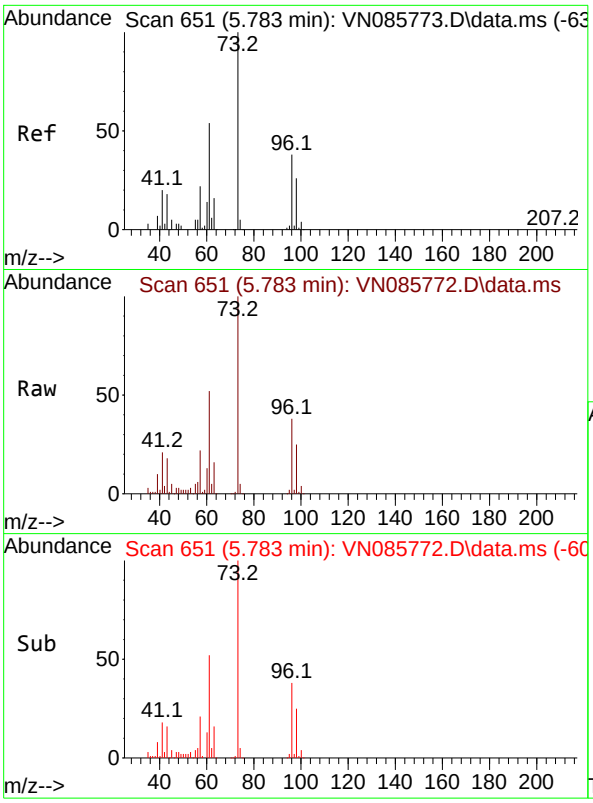


#20
Methylene Chloride
Concen: 95.142 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 84 Resp: 365222

Ion	Ratio	Lower	Upper
84	100		
49	108.6	88.4	132.6
51	35.2	26.6	40.0
86	63.9	51.0	76.6



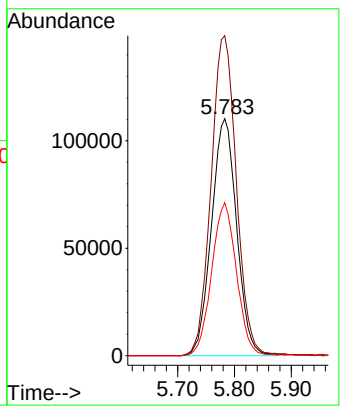


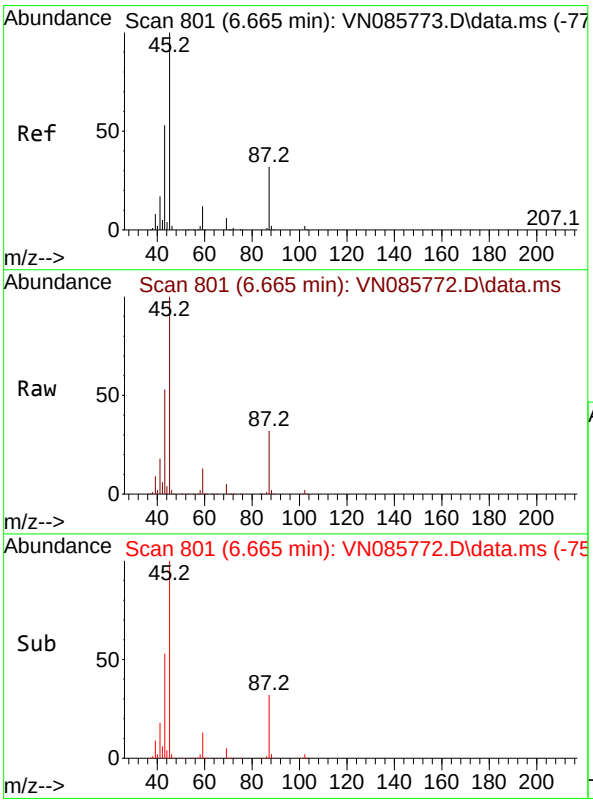
#21
trans-1,2-Dichloroethene
Concen: 99.001 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 340161

Ion	Ratio	Lower	Upper
96	100		
61	135.0	112.6	168.8
98	64.5	53.3	79.9

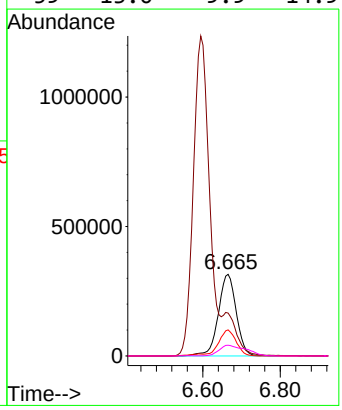


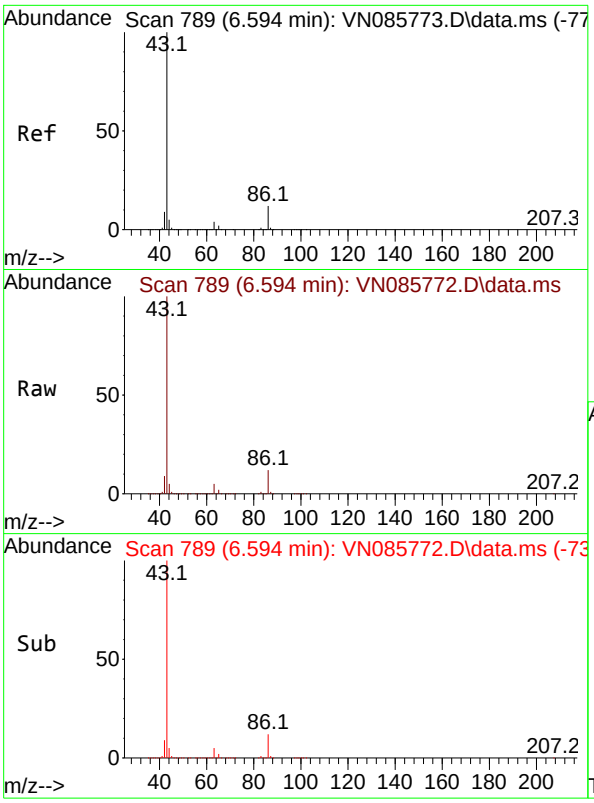


#22
Diisopropyl ether
Concen: 107.223 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 45 Resp: 1015041

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.6	64.0
87	31.9	25.8	38.8
59	13.0	9.9	14.9



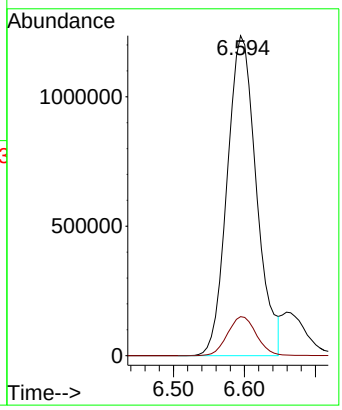


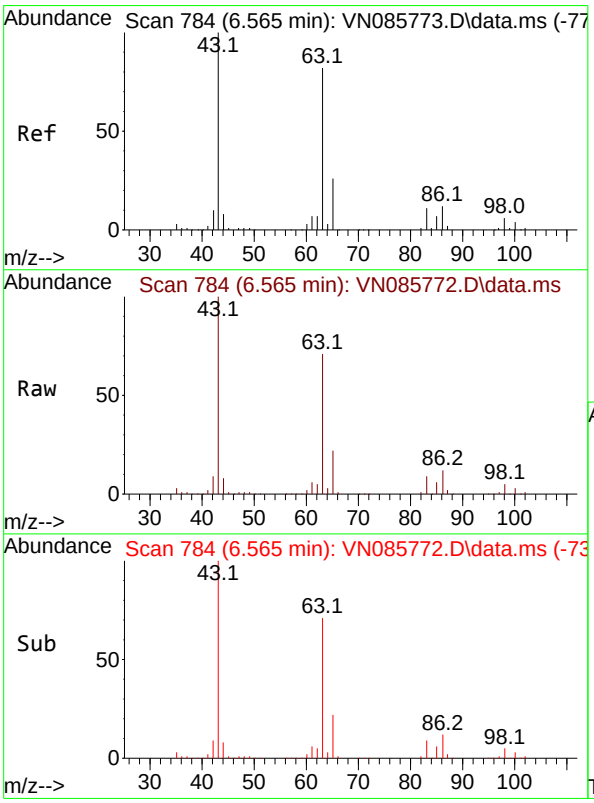
#23
Vinyl Acetate
Concen: 548.253 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3542783

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.8

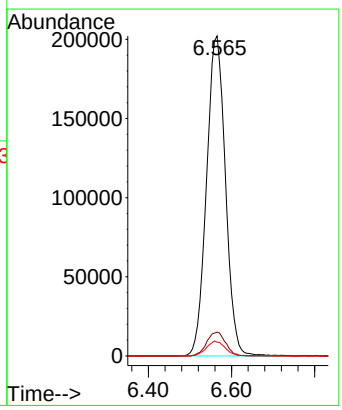


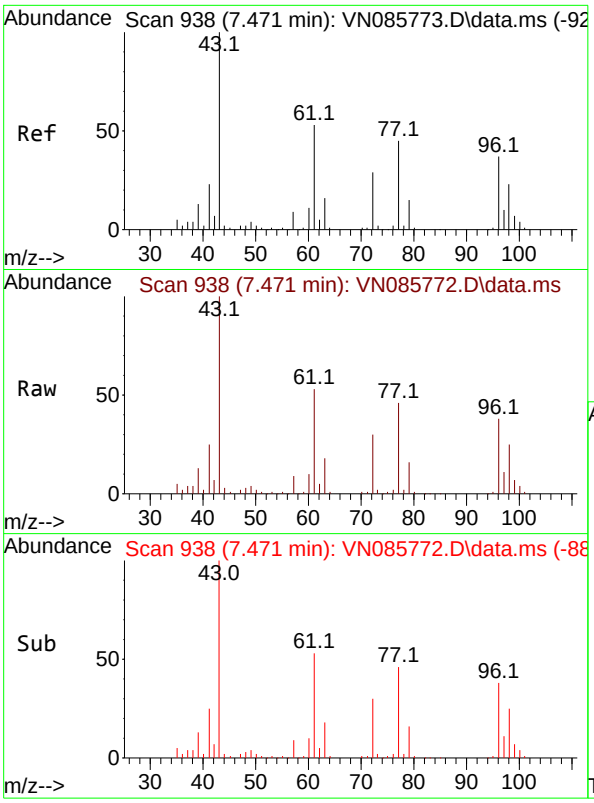


#24
1,1-Dichloroethane
Concen: 99.172 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 63 Resp: 638203

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.3	2.4	7.2



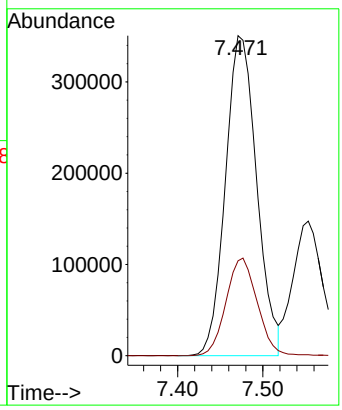


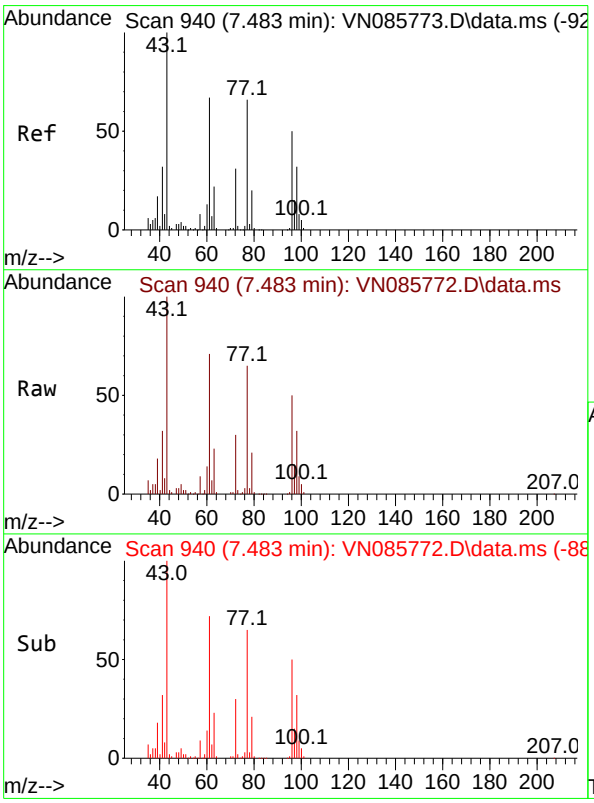
#25
2-Butanone
Concen: 510.235 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 896027

Ion	Ratio	Lower	Upper
43	100		
72	29.6	23.6	35.4

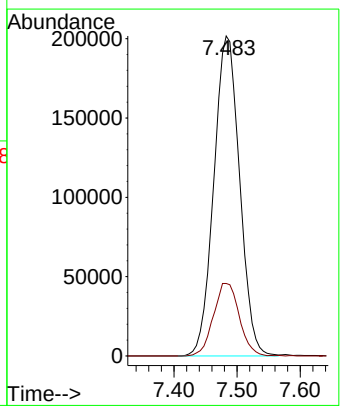


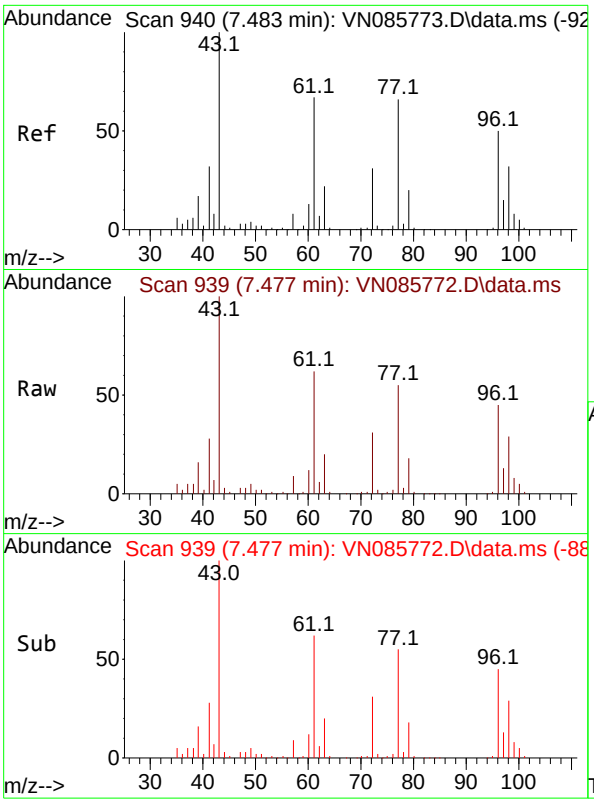


#26
2,2-Dichloropropane
Concen: 100.033 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 77 Resp: 572429

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.3	33.8



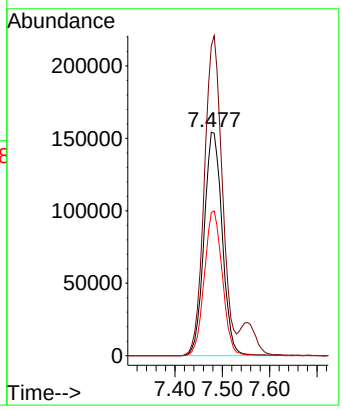


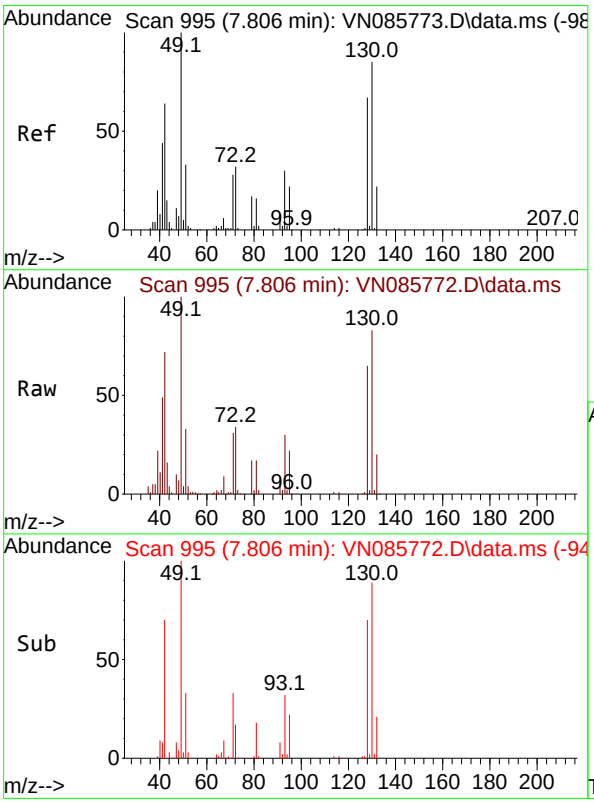
#27
cis-1,2-Dichloroethene
Concen: 102.929 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 410066

Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	280.6
98	64.4	0.0	128.6

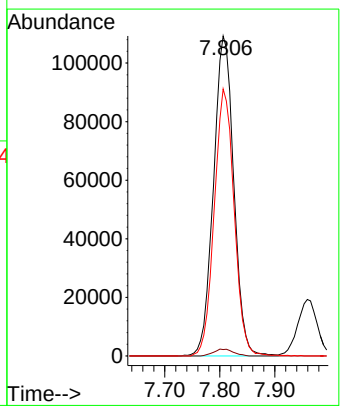


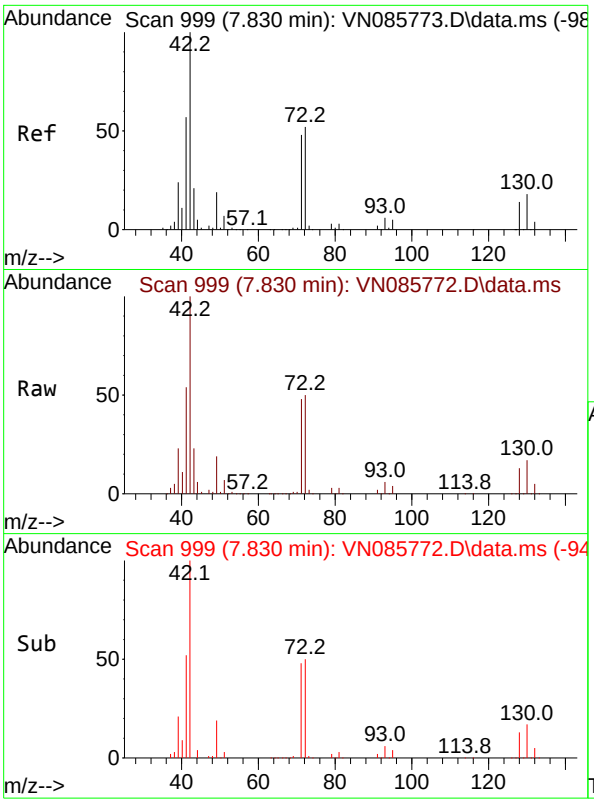


#28
Bromochloromethane
Concen: 105.895 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 49 Resp: 280092

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.9	68.0	102.0



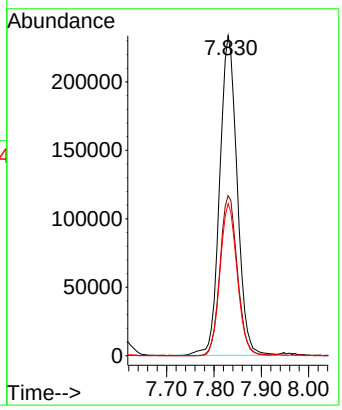


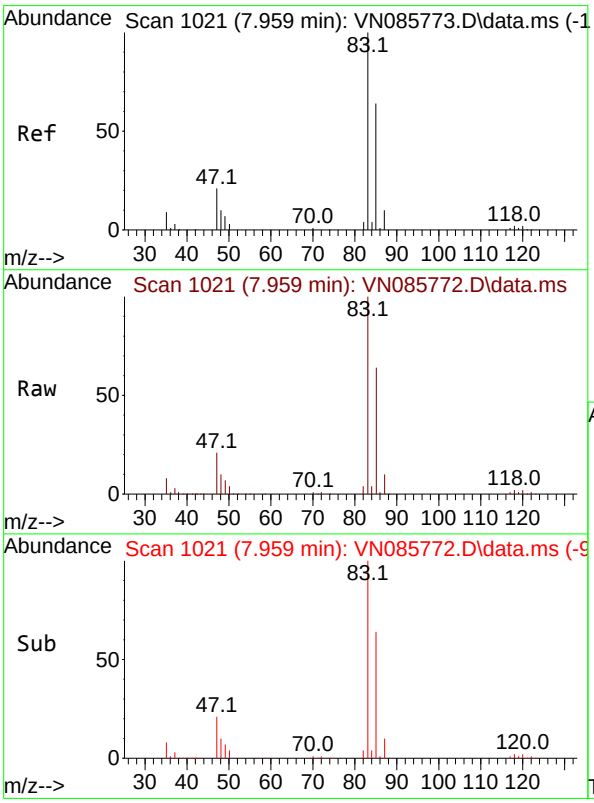
#29
Tetrahydrofuran
Concen: 528.664 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 599504

Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.0	60.0
71	46.7	37.0	55.4

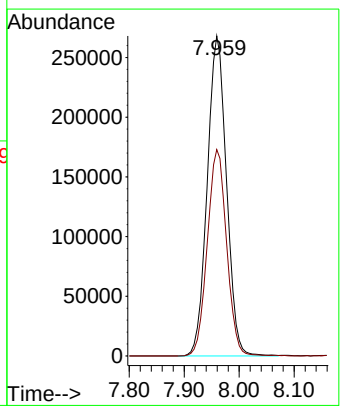


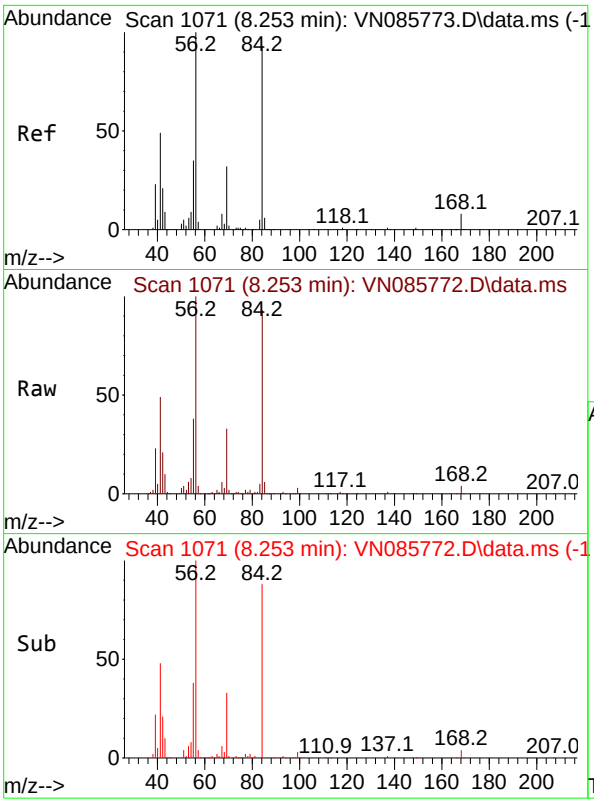


#30
Chloroform
Concen: 96.914 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 83 Resp: 651761

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3



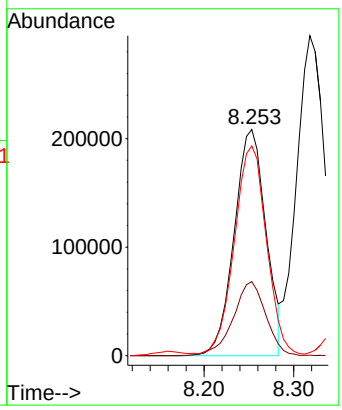


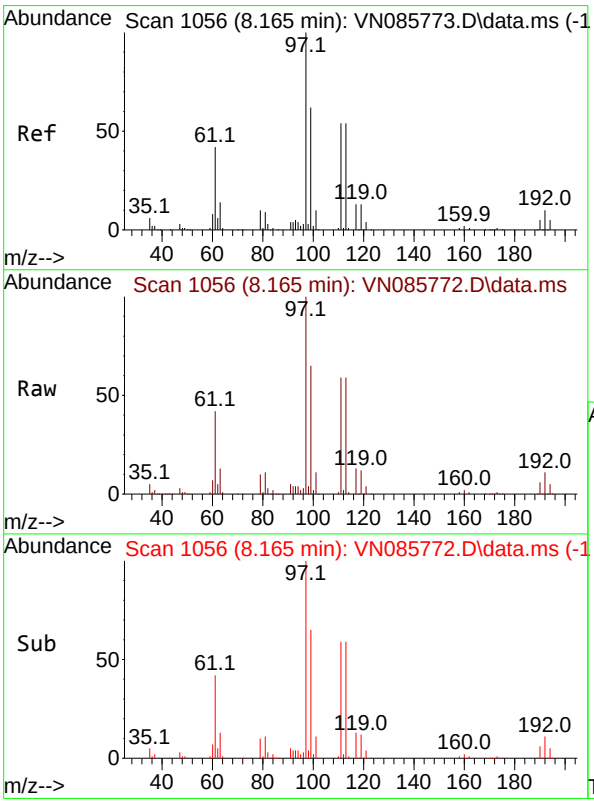
#31
Cyclohexane
Concen: 94.843 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 511031

Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.8	38.6
84	91.2	74.5	111.7

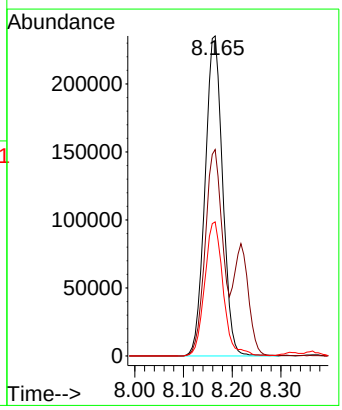


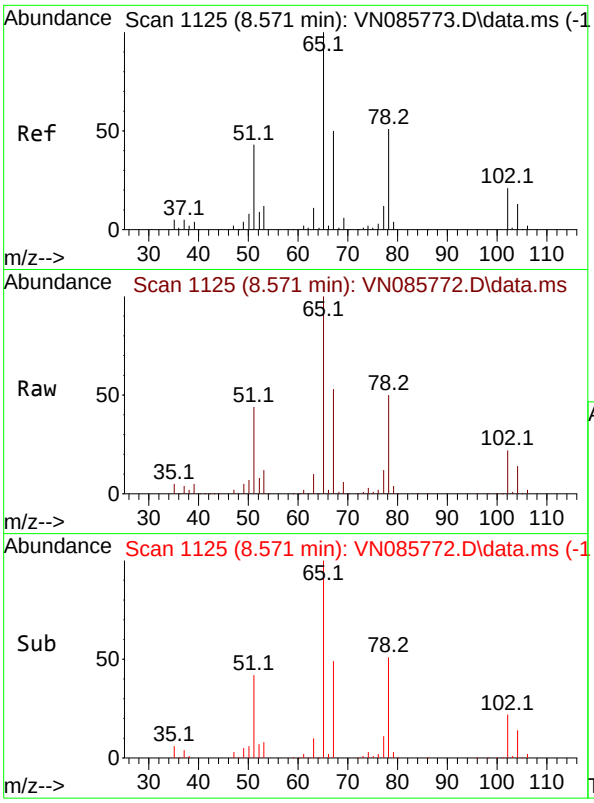


#32
1,1,1-Trichloroethane
Concen: 98.502 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 97 Resp: 589206

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.4	75.6
61	43.9	35.5	53.3



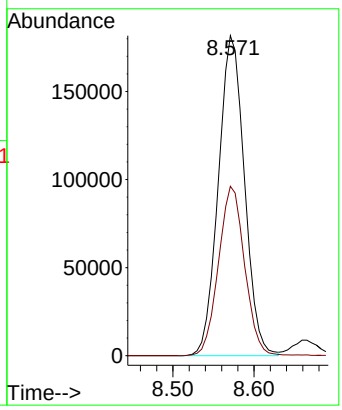


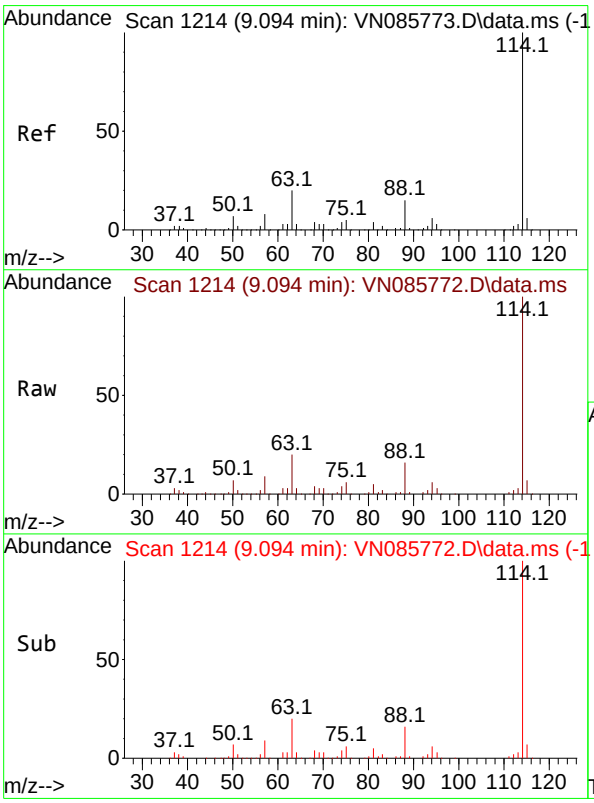
#33
1,2-Dichloroethane-d4
Concen: 107.630 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 406028

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2

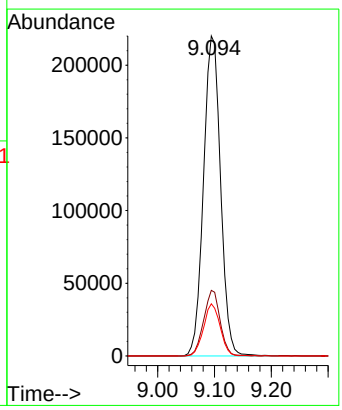


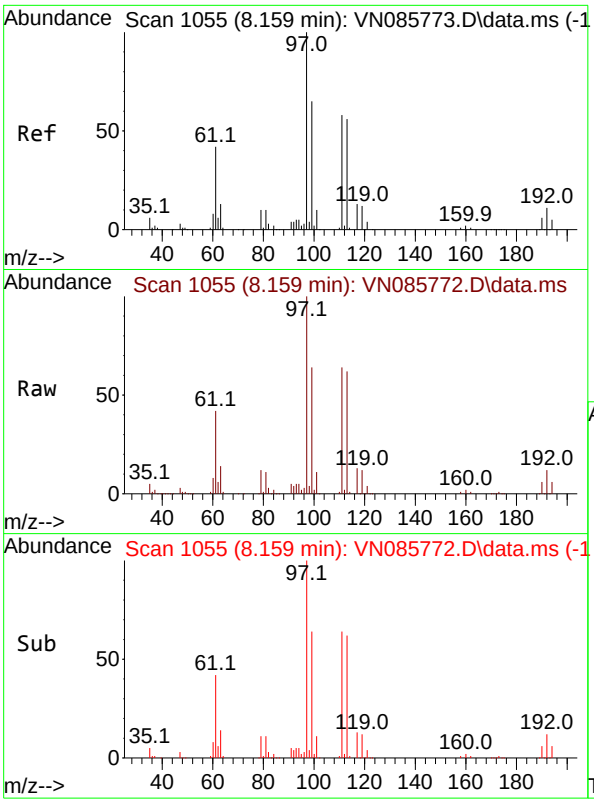


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:114 Resp: 458183

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.2
88	16.3	0.0	30.0



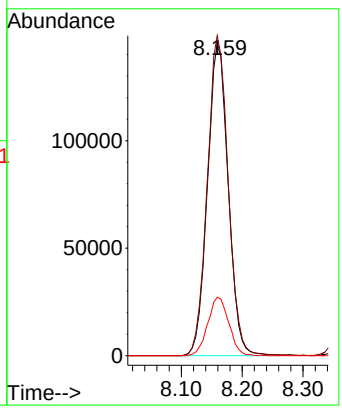


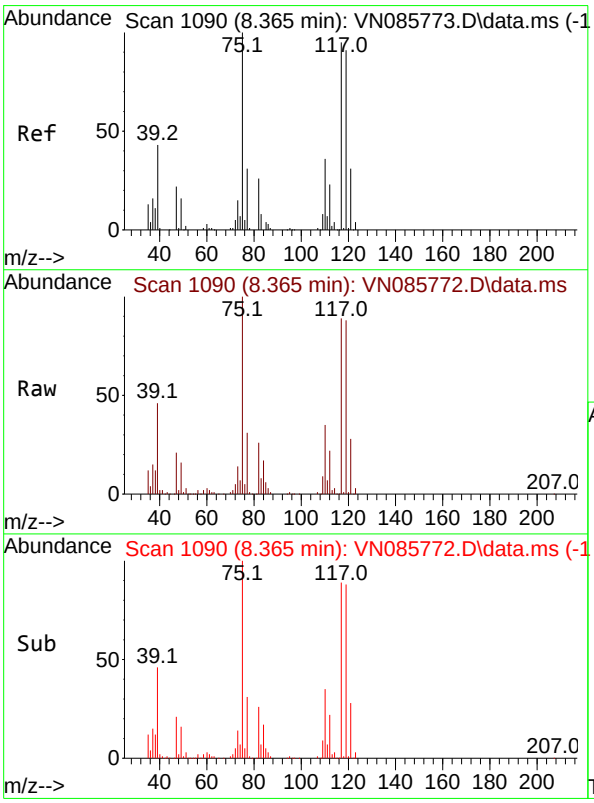
#35
Dibromofluoromethane
Concen: 114.648 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 343729

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	18.9	14.7	22.1

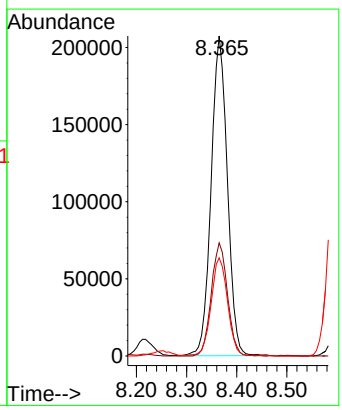


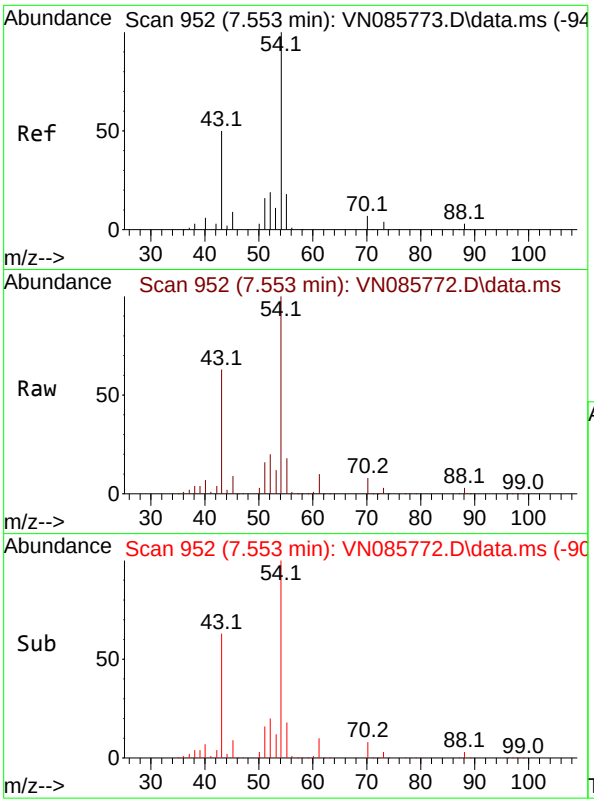


#36
1,1-Dichloropropene
Concen: 109.949 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 466531

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.3	52.0
77	31.1	24.6	37.0



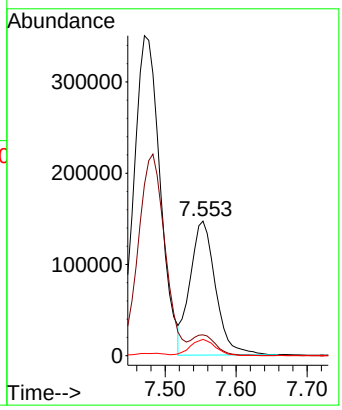


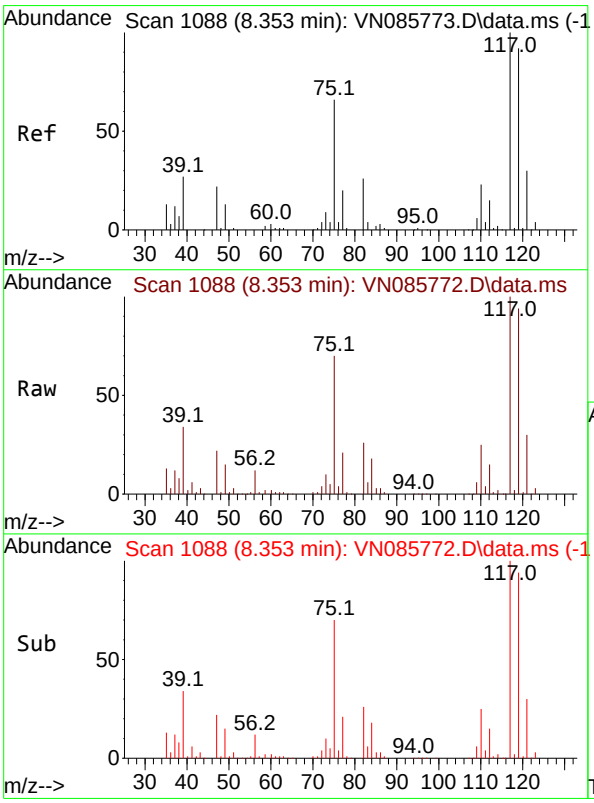
#37
Ethyl Acetate
Concen: 105.069 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 366887

Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.2
70	11.9	9.5	14.3

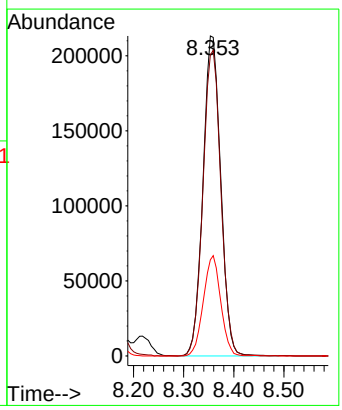


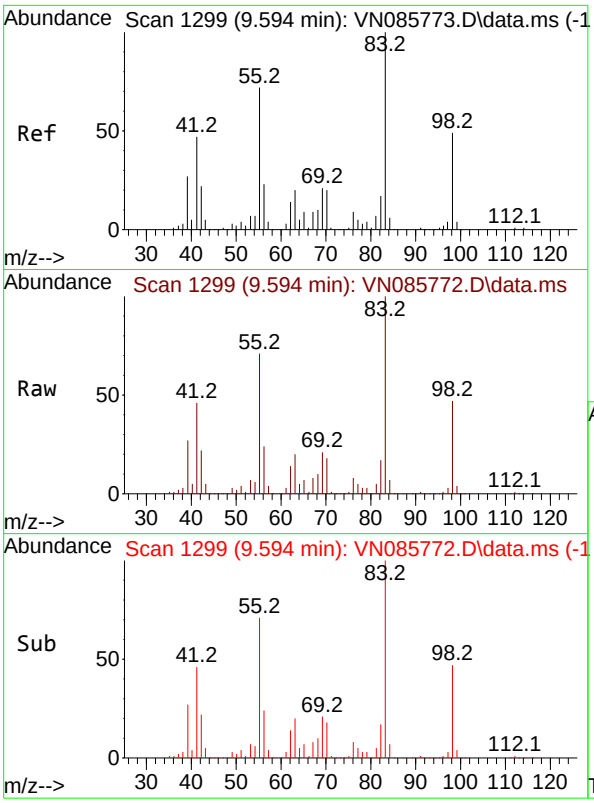


#38
Carbon Tetrachloride
Concen: 104.105 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:117 Resp: 524870

Ion	Ratio	Lower	Upper
117	100		
119	94.1	73.8	110.6
121	30.0	24.3	36.5



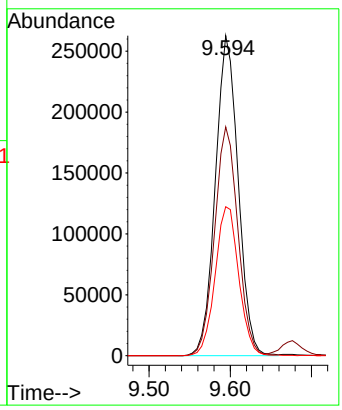


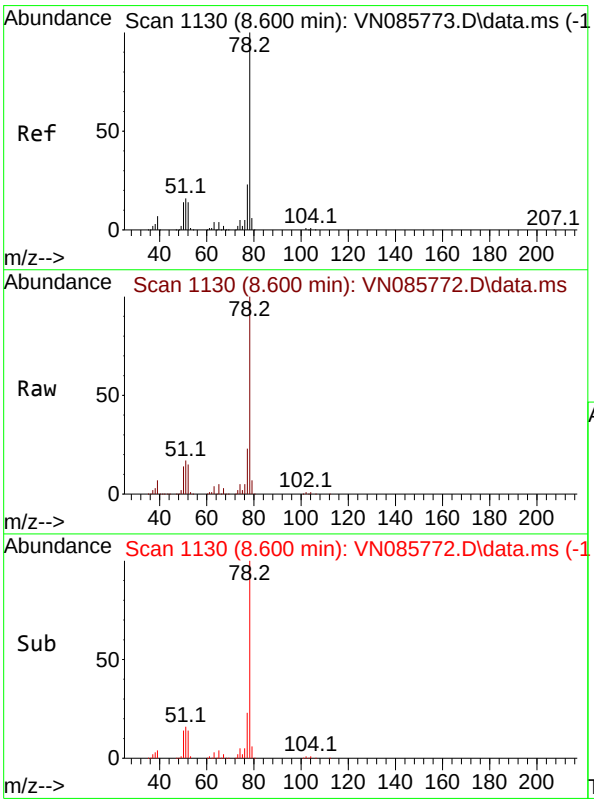
#39
Methylcyclohexane
Concen: 123.184 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 513492

Ion	Ratio	Lower	Upper
83	100		
55	71.5	57.5	86.3
98	46.5	39.2	58.8

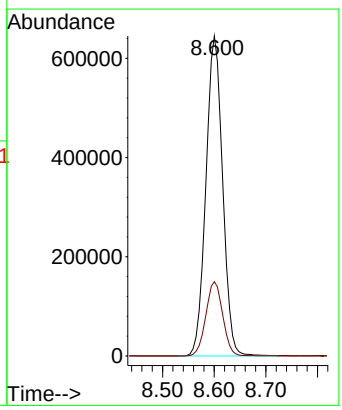


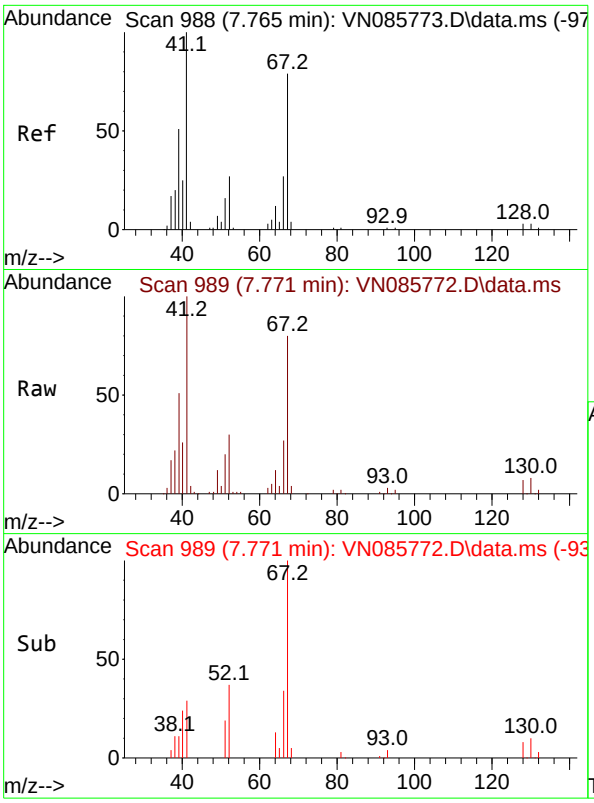


#40
Benzene
Concen: 106.522 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 78 Resp: 1448660

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5



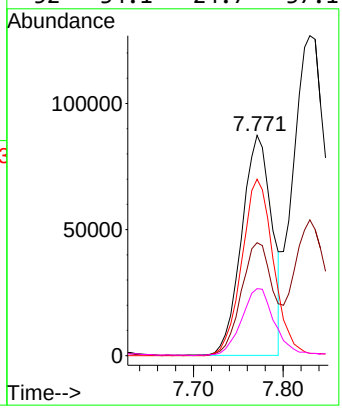


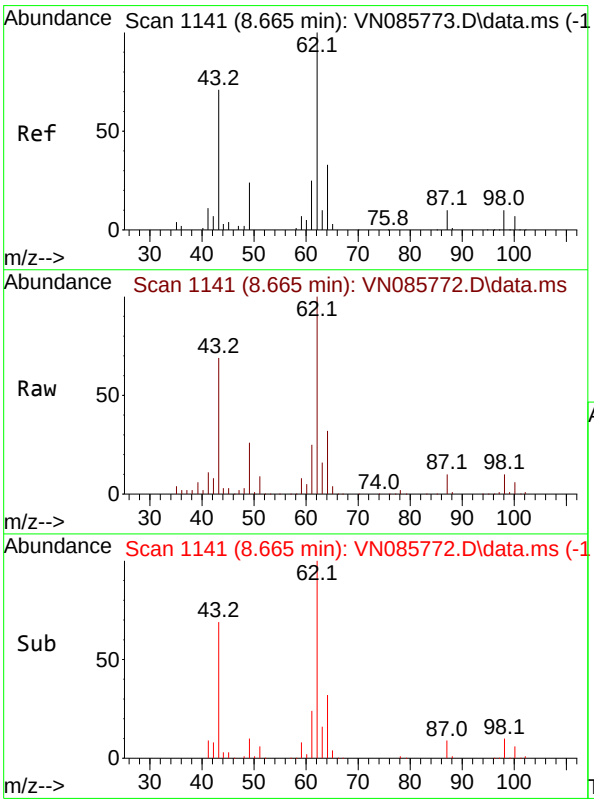
#41
Methacrylonitrile
Concen: 109.119 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 203689

Ion	Ratio	Lower	Upper
41	100		
39	55.9	42.0	63.0
67	85.0	64.2	96.4
52	34.1	24.7	37.1

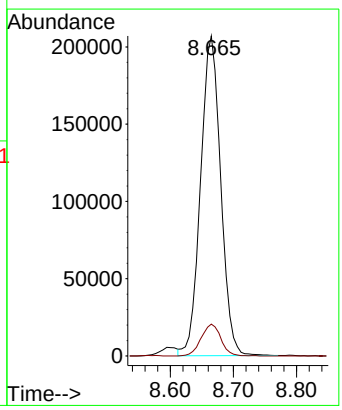


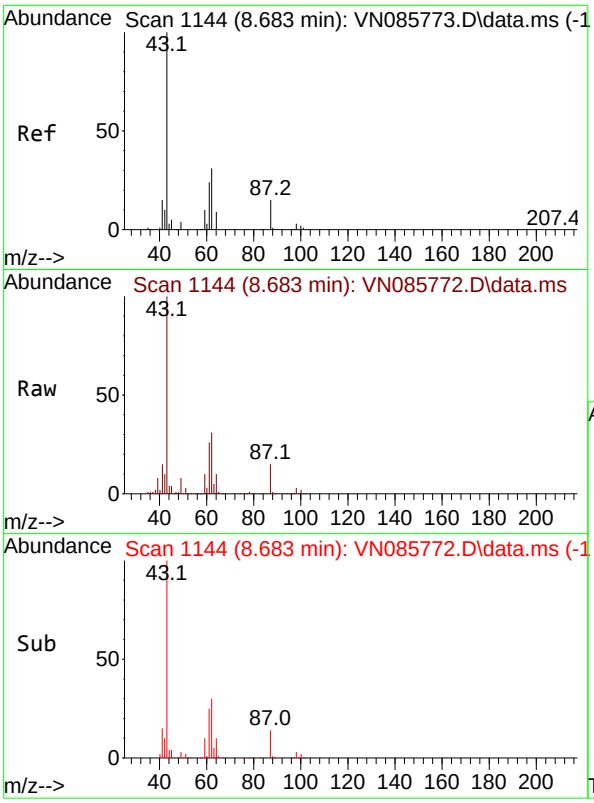


#42
1,2-Dichloroethane
Concen: 103.326 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 62 Resp: 457707

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6



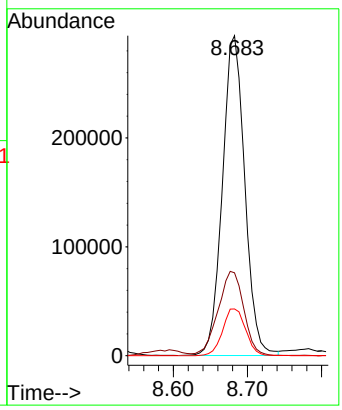


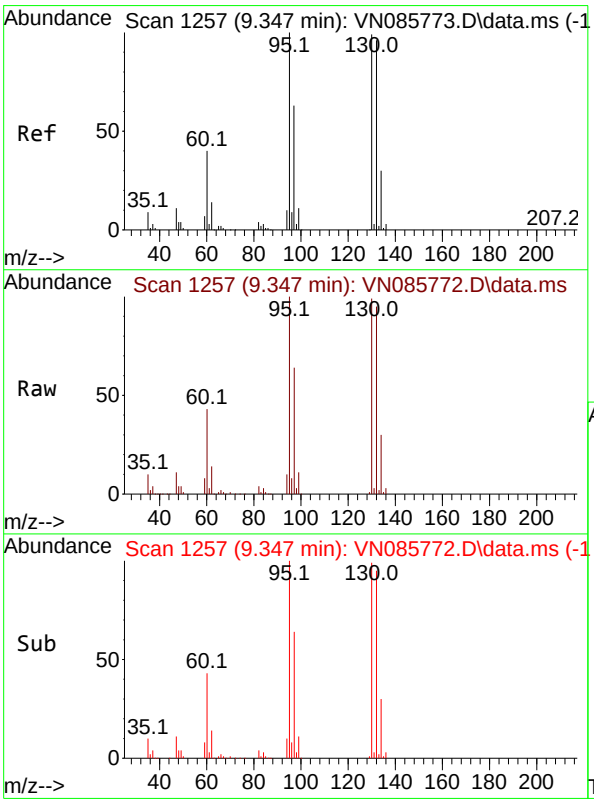
#43
Isopropyl Acetate
Concen: 101.163 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 616521

Ion	Ratio	Lower	Upper
43	100		
61	30.1	22.6	34.0
87	15.0	11.8	17.8

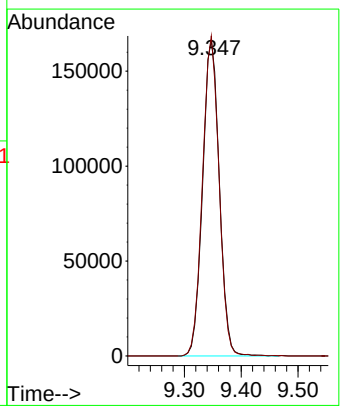


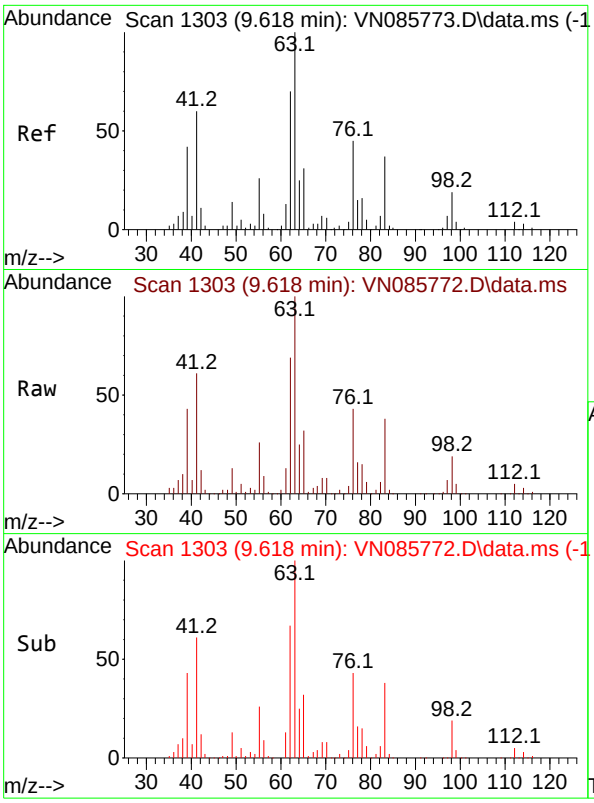


#44
Trichloroethene
Concen: 101.529 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:130 Resp: 339019

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	202.6



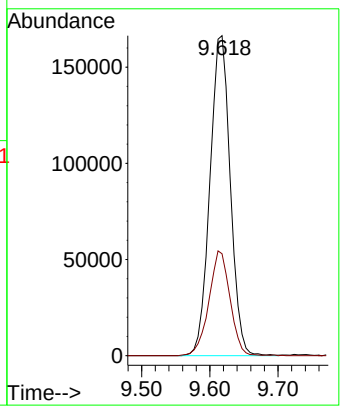


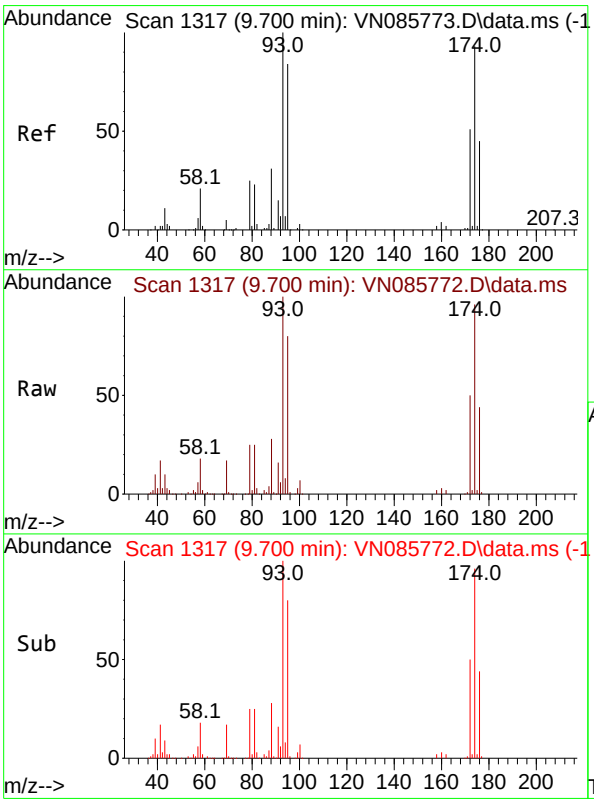
#45
1,2-Dichloropropane
Concen: 105.316 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 345721

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.1	37.7

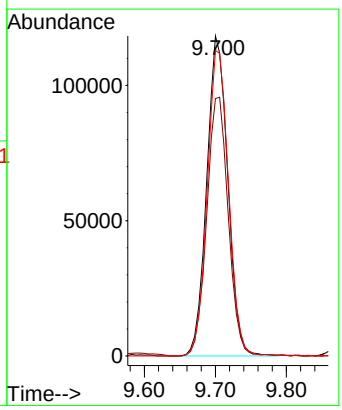


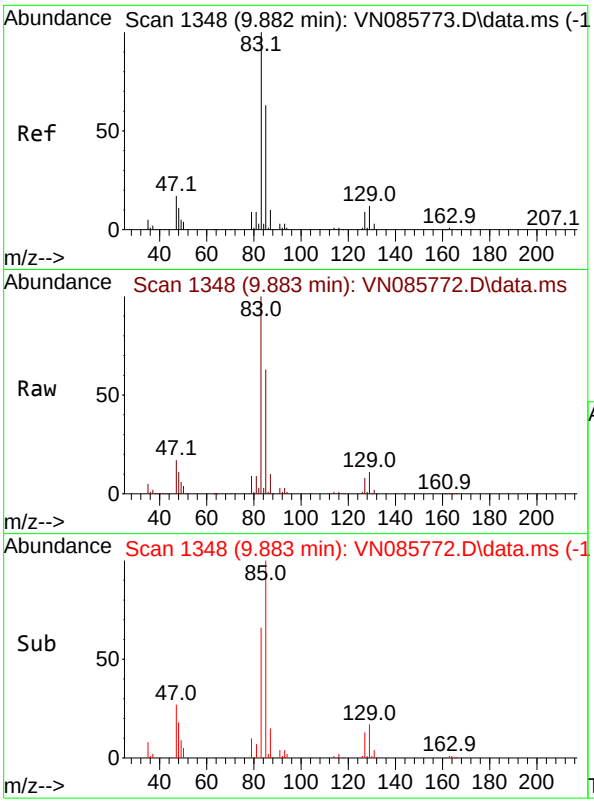


#46
Dibromomethane
Concen: 105.216 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 93 Resp: 243628

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.7	100.1
174	96.6	77.2	115.8



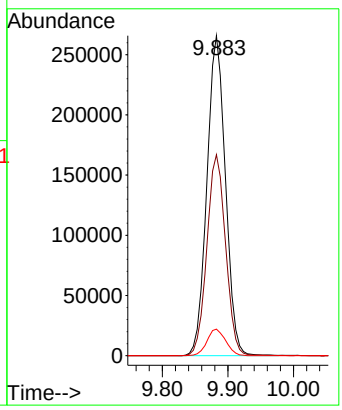


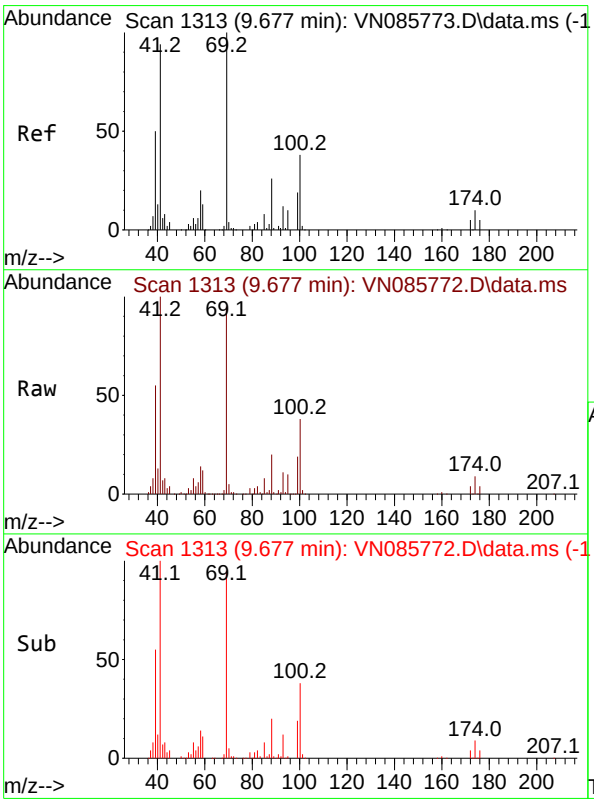
#47
Bromodichloromethane
Concen: 105.269 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 521496

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.5	75.7
127	8.3	7.2	10.8

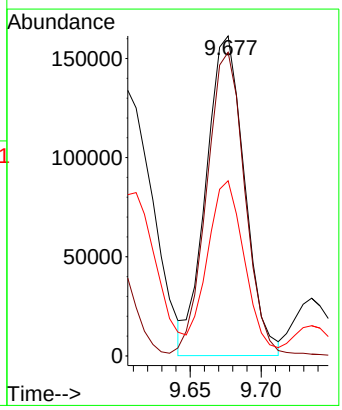


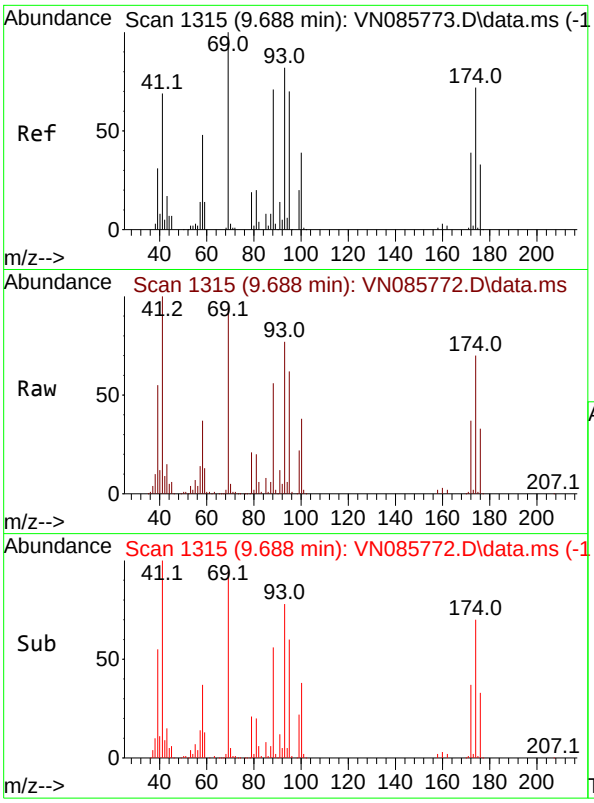


#48
Methyl methacrylate
Concen: 117.252 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 41 Resp: 304067

Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.0	114.0
39	53.0	42.3	63.5



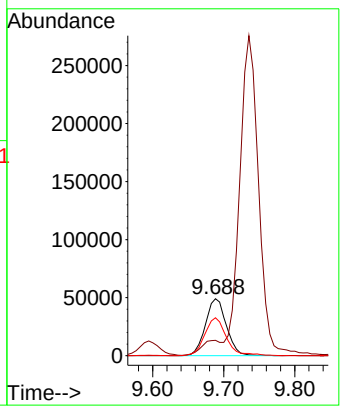


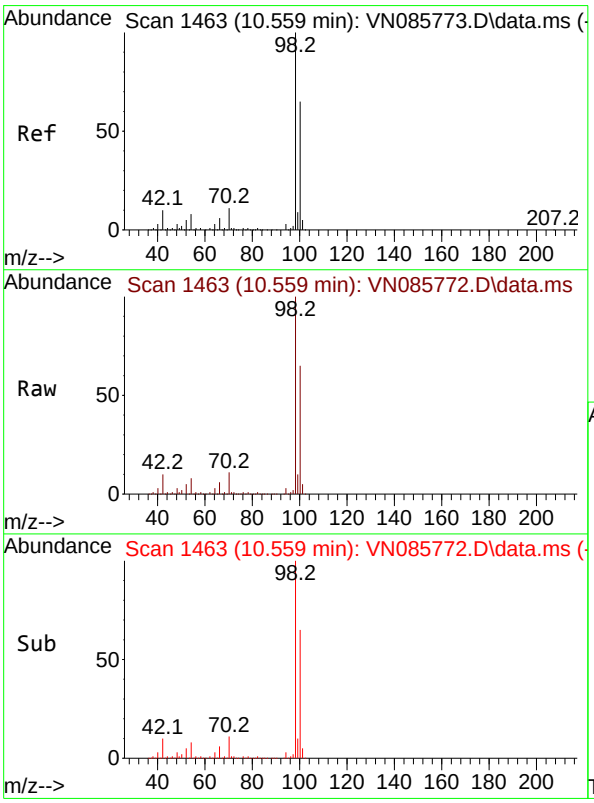
#49
1,4-Dioxane
Concen: 2036.793 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 100443

Ion	Ratio	Lower	Upper
88	100		
43	23.5	18.6	27.8
58	69.2	56.7	85.1

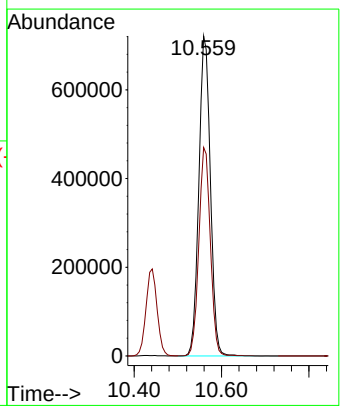


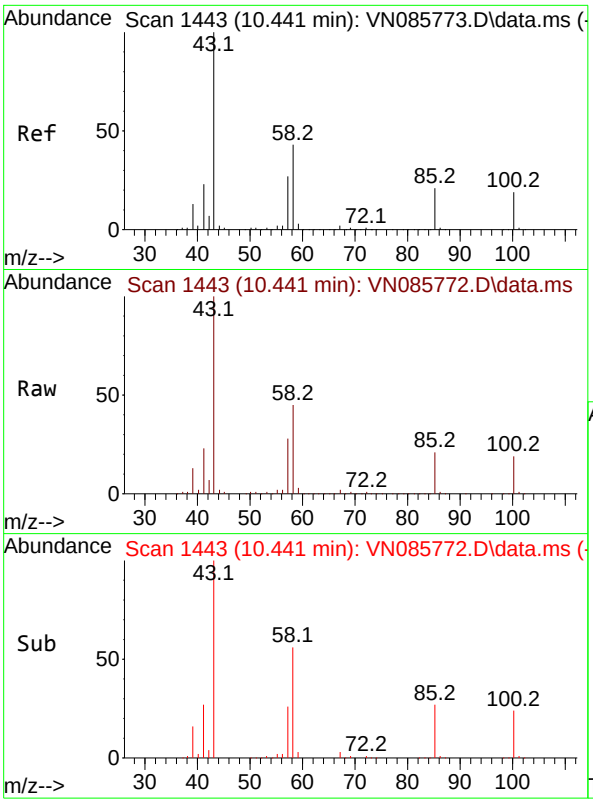


#50
Toluene-d8
Concen: 121.348 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 98 Resp: 1323681

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



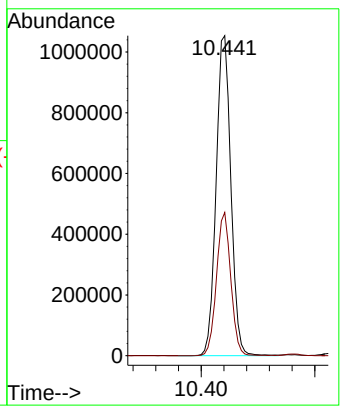


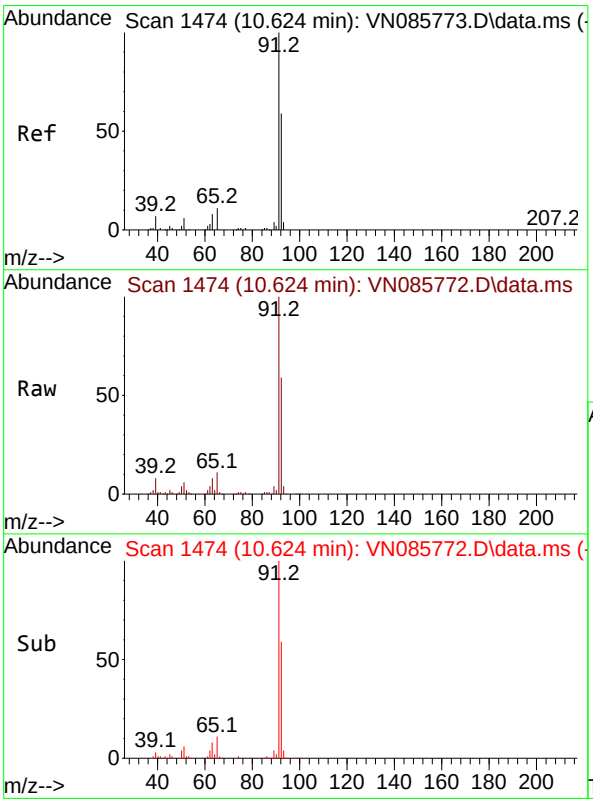
#51
4-Methyl-2-Pentanone
Concen: 563.403 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1896777

Ion	Ratio	Lower	Upper
43	100		
58	43.3	34.6	52.0

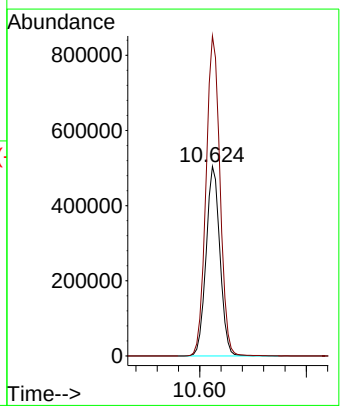


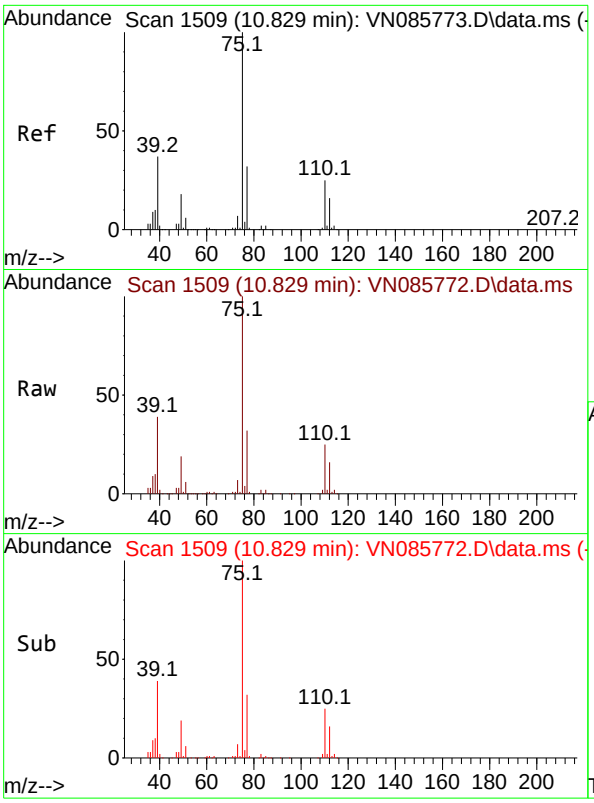


#52
Toluene
Concen: 114.182 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 92 Resp: 910251

Ion	Ratio	Lower	Upper
92	100		
91	170.7	136.9	205.3



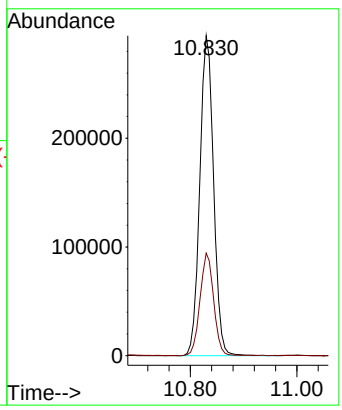


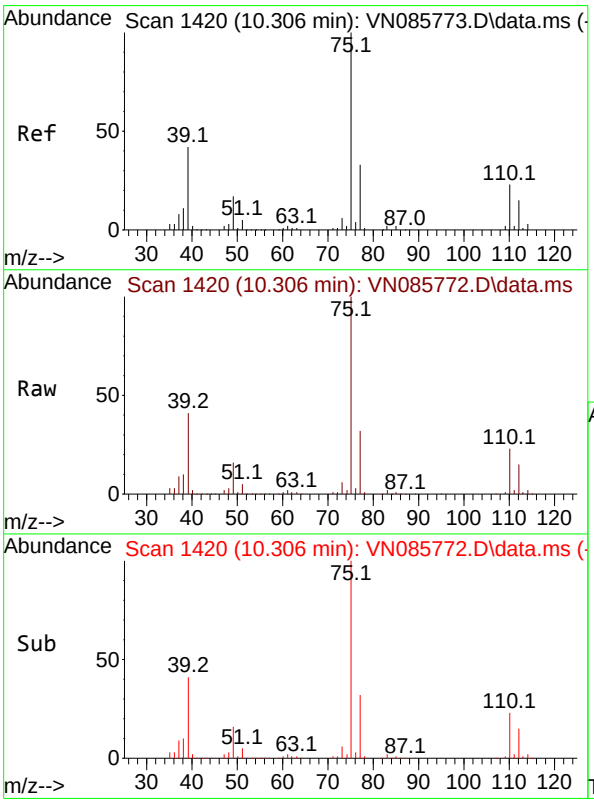
#53
t-1,3-Dichloropropene
Concen: 115.223 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 527815

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0

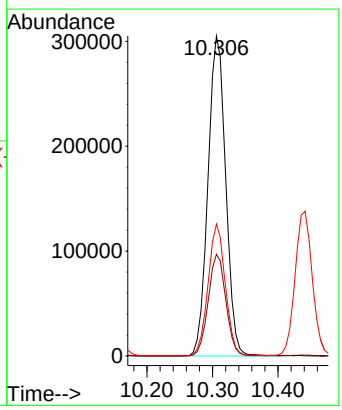


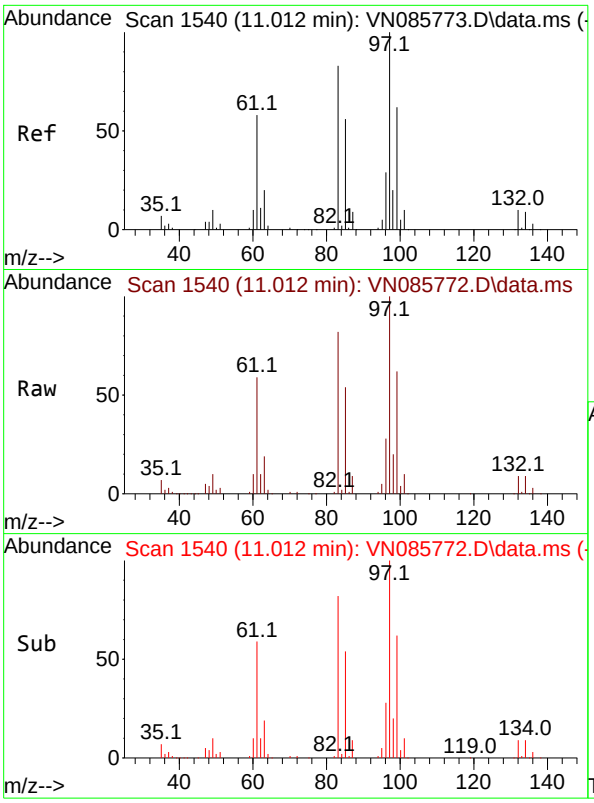


#54
cis-1,3-Dichloropropene
Concen: 114.202 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 573653

Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.1	39.1
39	41.2	33.4	50.0



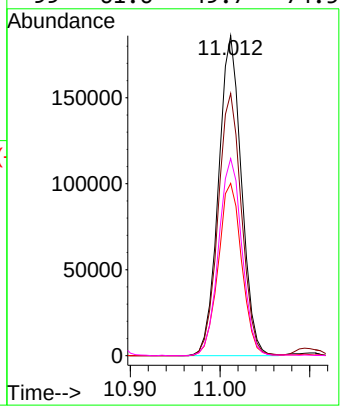


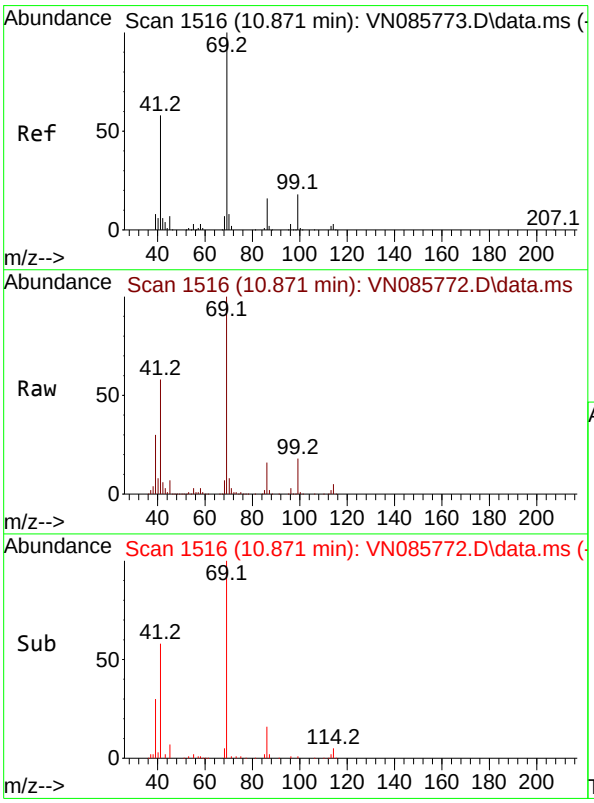
#55
1,1,2-Trichloroethane
Concen: 104.317 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 330642

Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.1	99.1
85	53.8	44.7	67.1
99	61.6	49.7	74.5

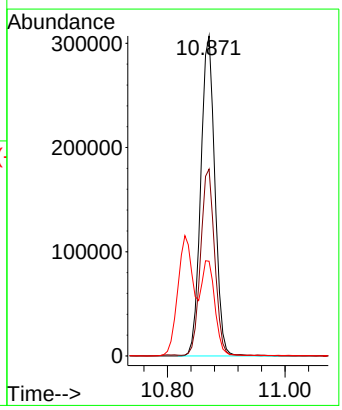


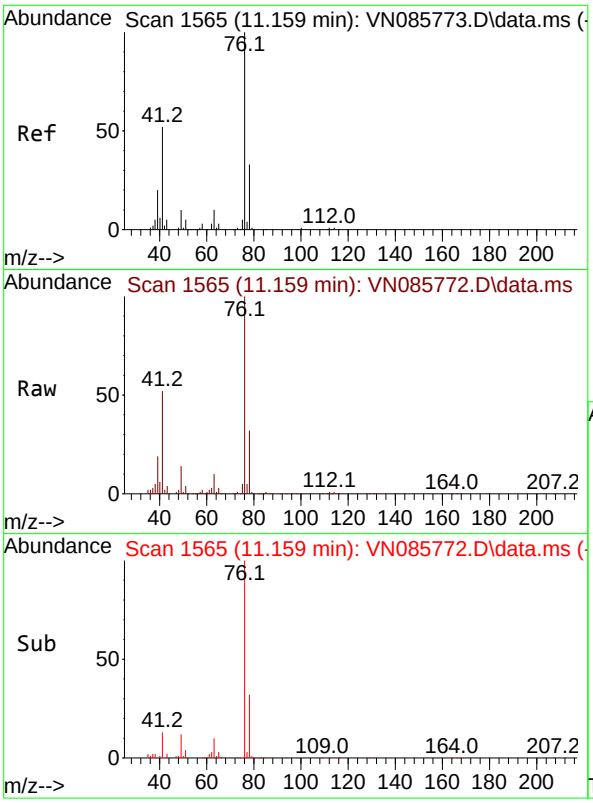


#56
Ethyl methacrylate
Concen: 100.007 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 69 Resp: 510041

Ion	Ratio	Lower	Upper
69	100		
41	57.9	46.0	69.0
39	27.2	22.0	33.0



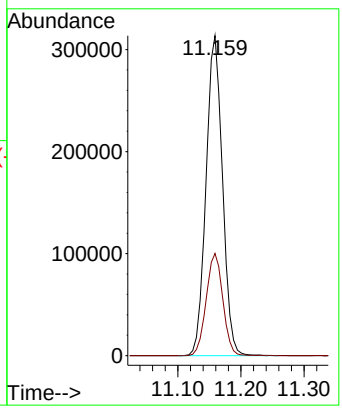


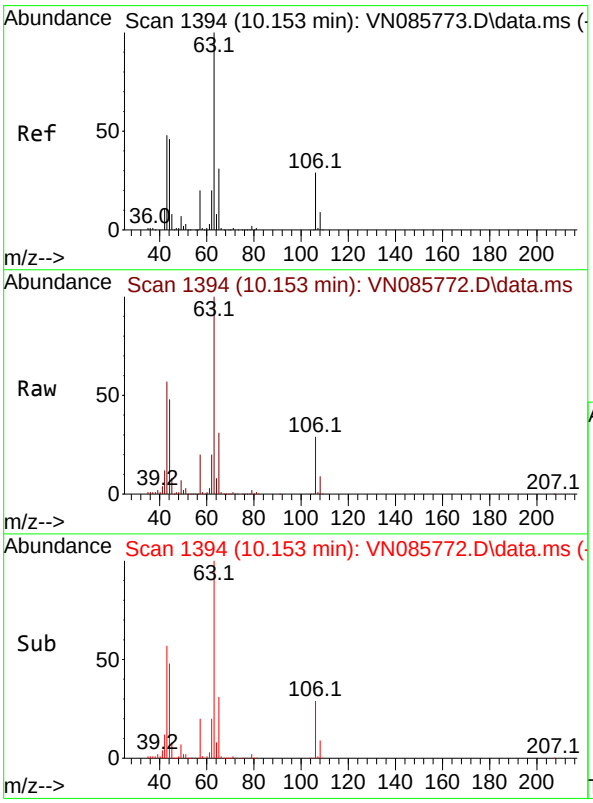
#57
1,3-Dichloropropane
Concen: 107.169 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 567039

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

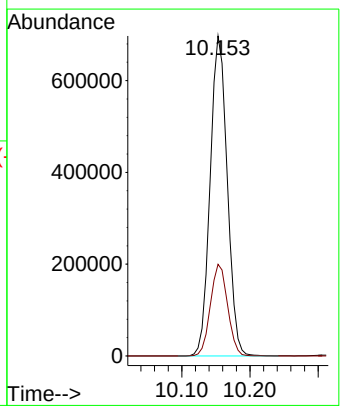


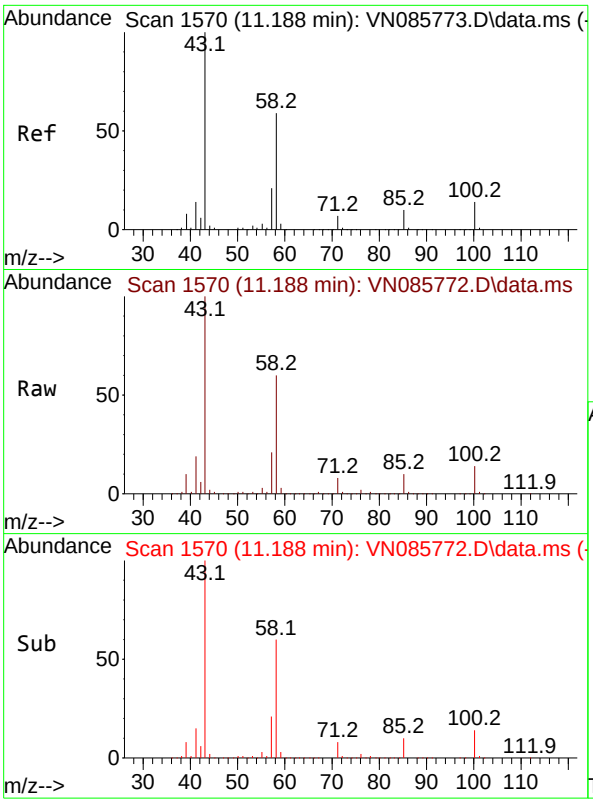


#58
2-Chloroethyl Vinyl ether
Concen: 502.158 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 63 Resp: 1216927

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.7	34.1



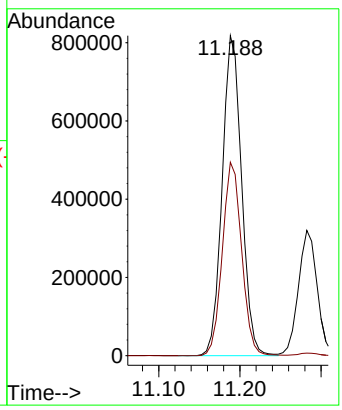


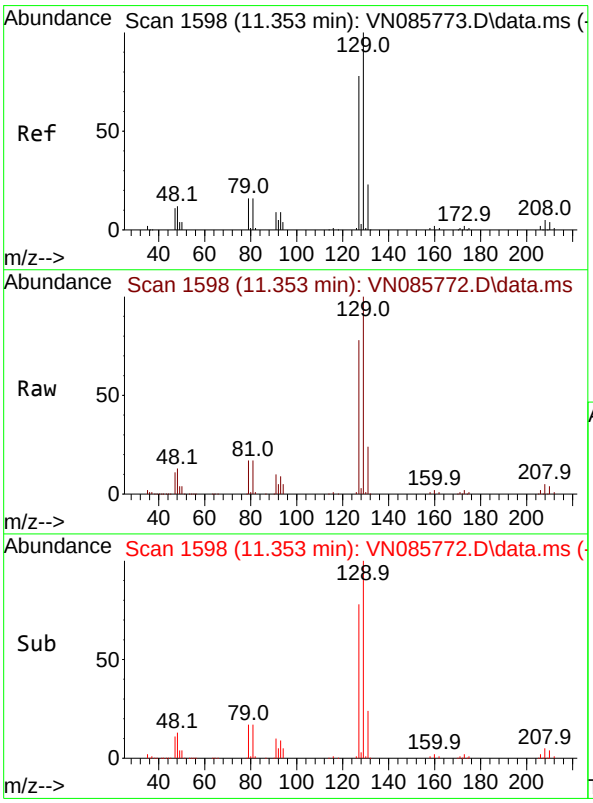
#59
2-Hexanone
Concen: 586.394 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1358126

Ion	Ratio	Lower	Upper
43	100		
58	60.2	29.8	89.5

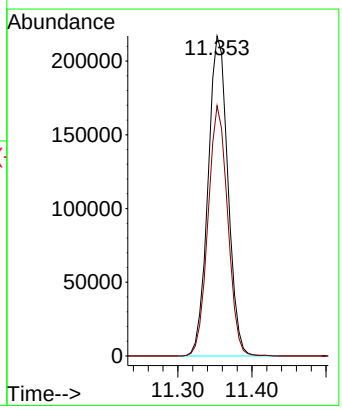


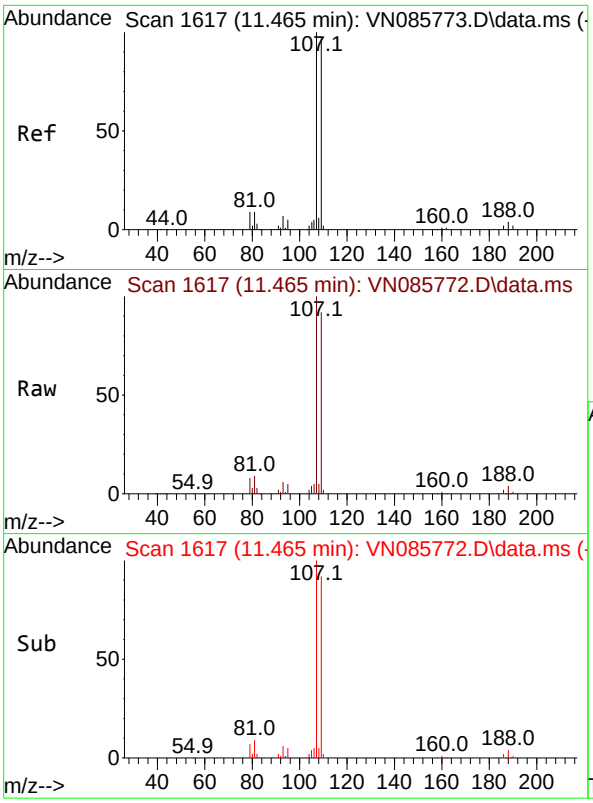


#60
Dibromochloromethane
Concen: 109.169 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:129 Resp: 402920

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.5



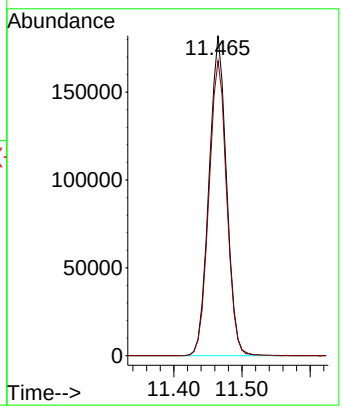


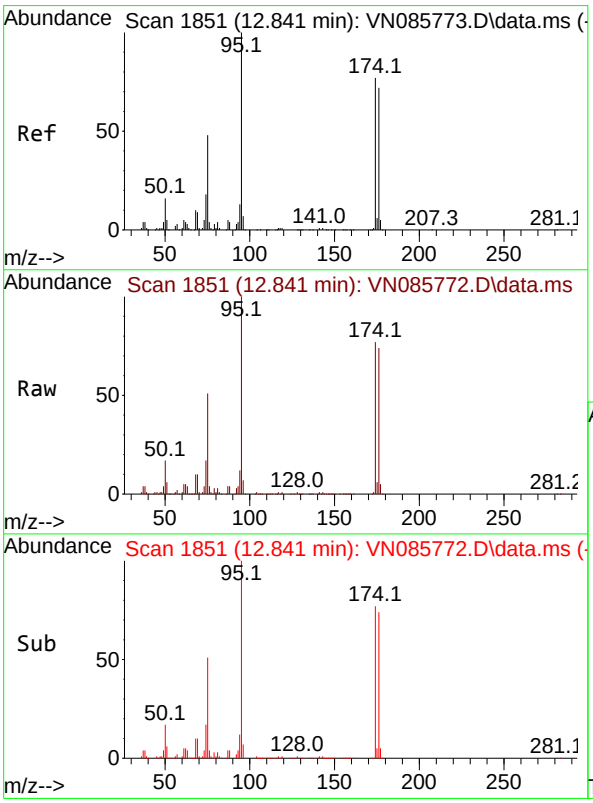
#61
1,2-Dibromoethane
Concen: 108.439 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 324747

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.0	114.0

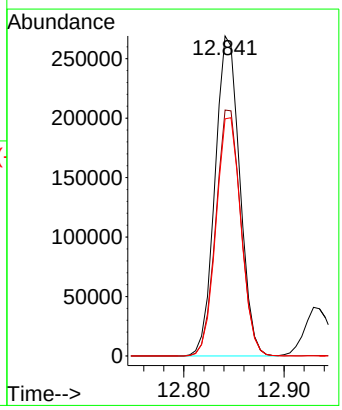


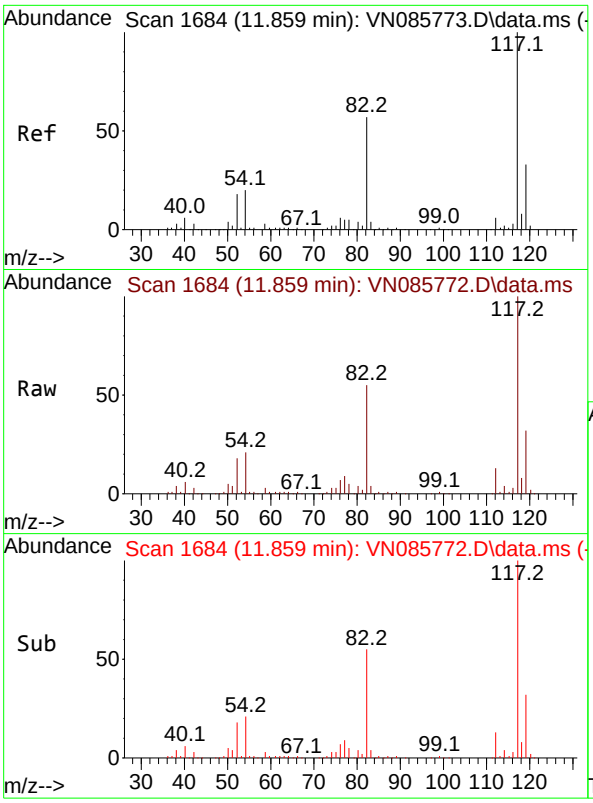


#62
4-Bromofluorobenzene
Concen: 128.269 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 95 Resp: 460996

Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	152.4
176	75.2	0.0	146.6



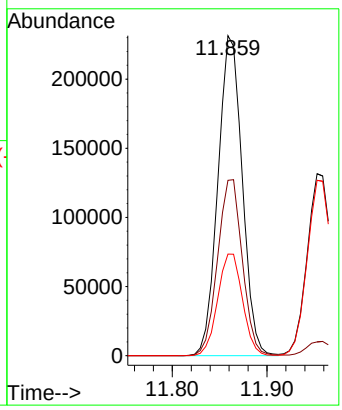


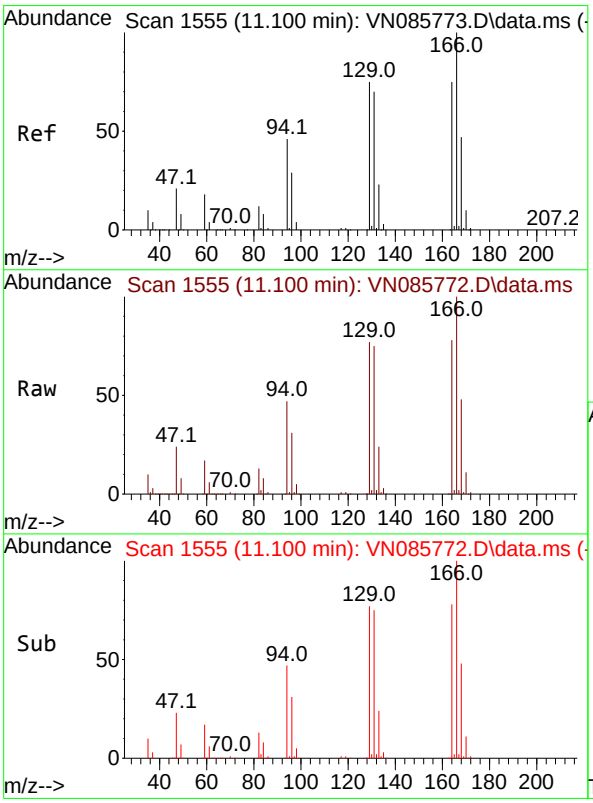
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 412615

Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.7	68.5
119	31.8	26.2	39.2

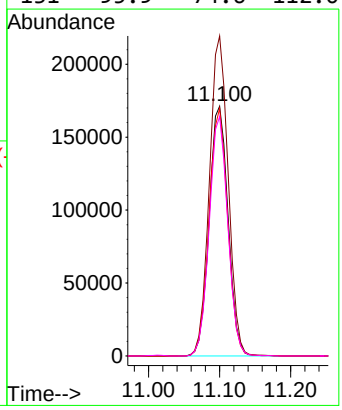


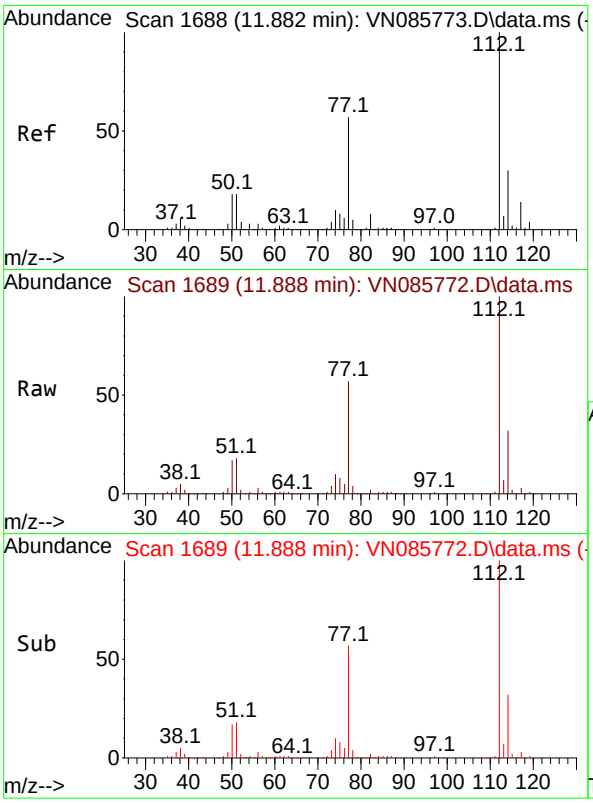


#64
Tetrachloroethene
Concen: 99.063 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:164 Resp: 316658

Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.2	160.8
129	99.1	80.7	121.1
131	95.9	74.6	112.0



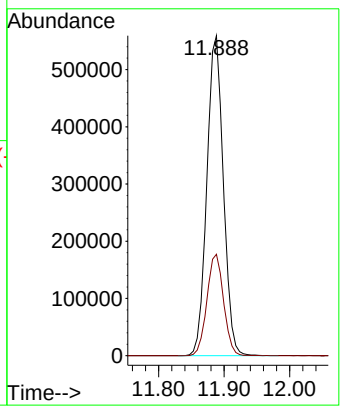


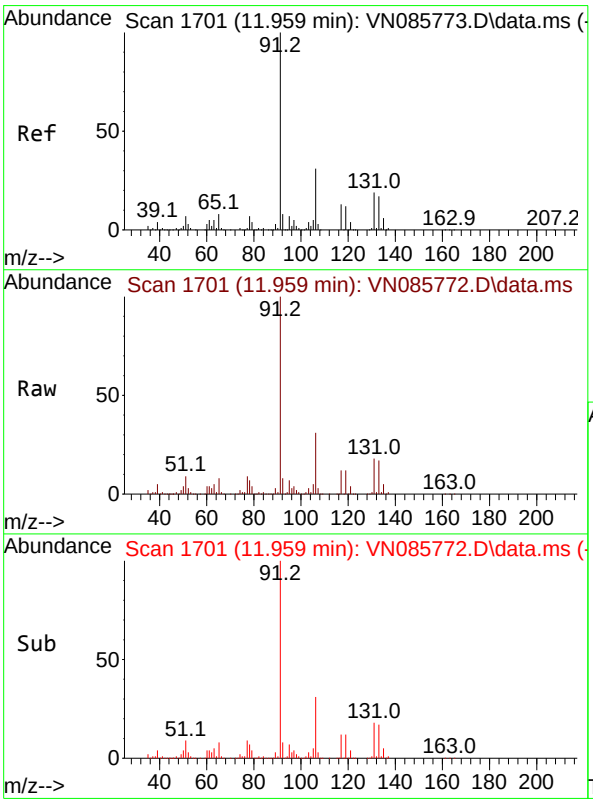
#65
Chlorobenzene
Concen: 103.290 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 976337

Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.3	36.5

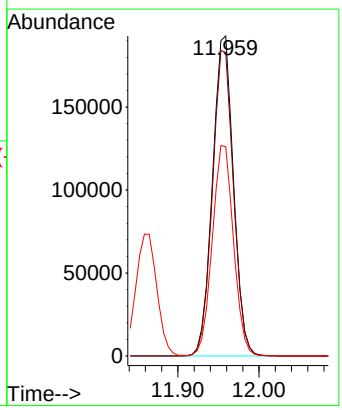


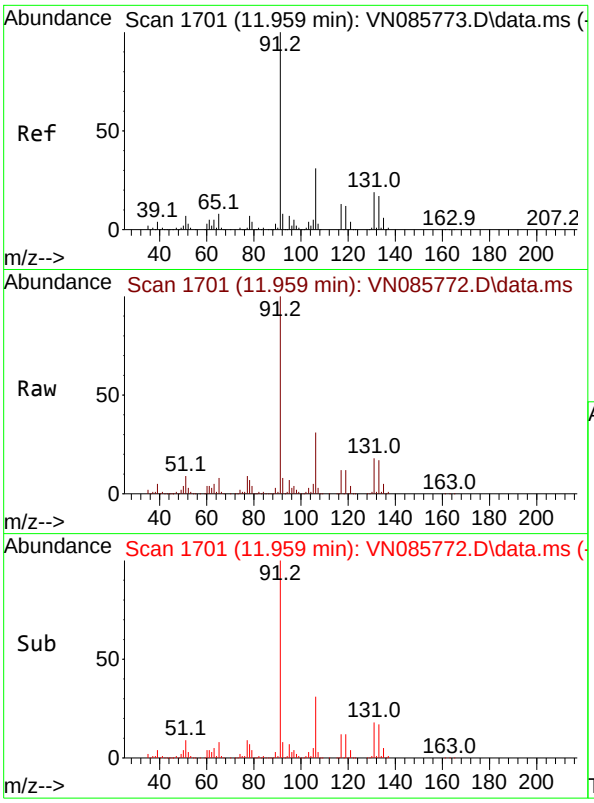


#66
1,1,1,2-Tetrachloroethane
Concen: 102.068 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:131 Resp: 346777

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	66.5	33.3	99.8



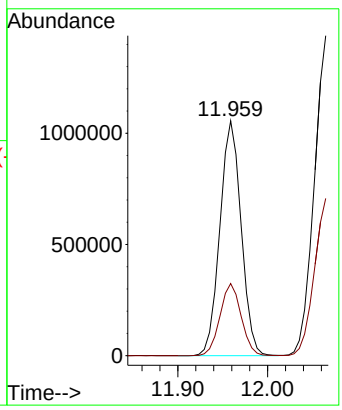


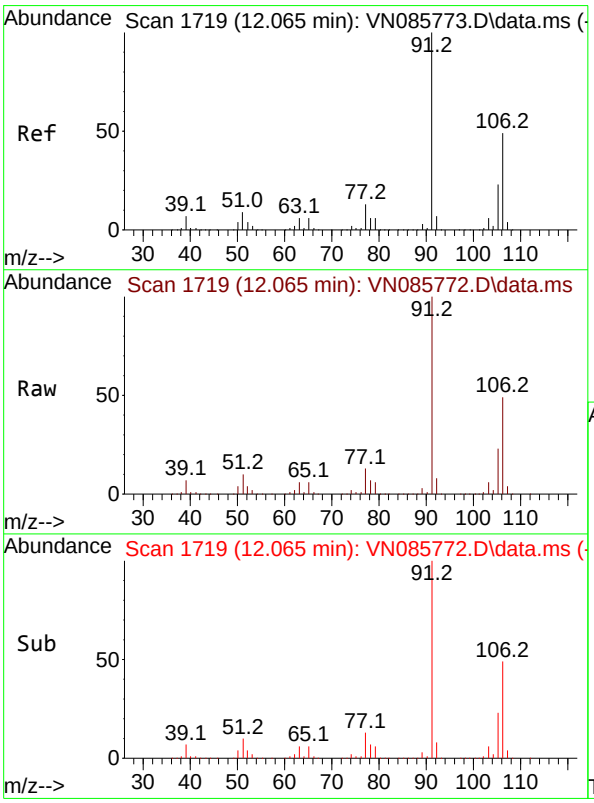
#67
Ethyl Benzene
Concen: 117.301 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1736848

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.7	37.1

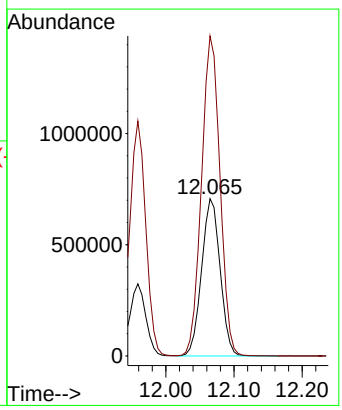


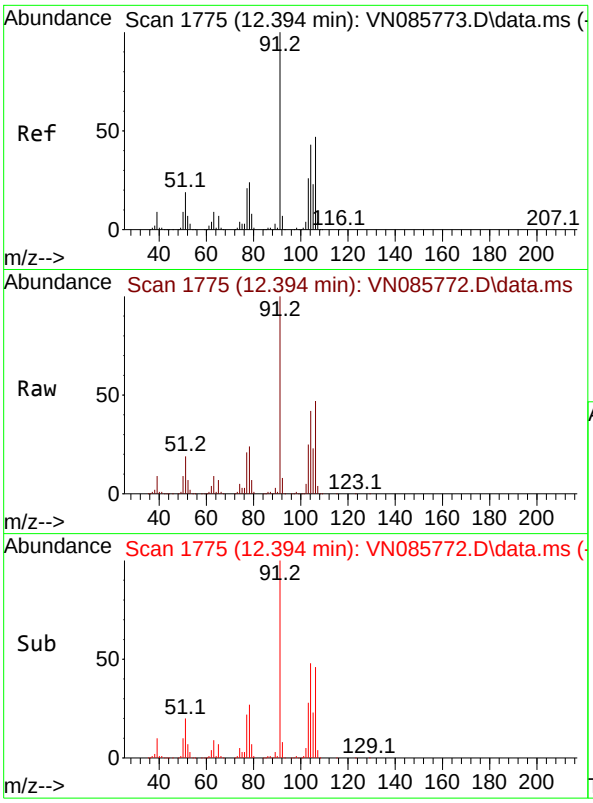


#68
m/p-Xylenes
Concen: 237.496 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:106 Resp: 1335750

Ion	Ratio	Lower	Upper
106	100		
91	203.3	163.3	244.9



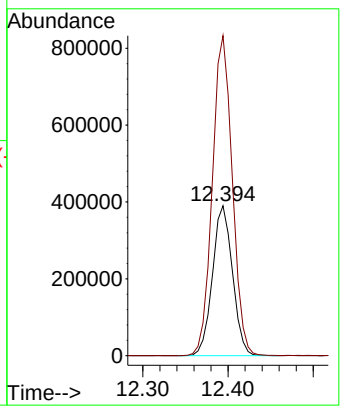


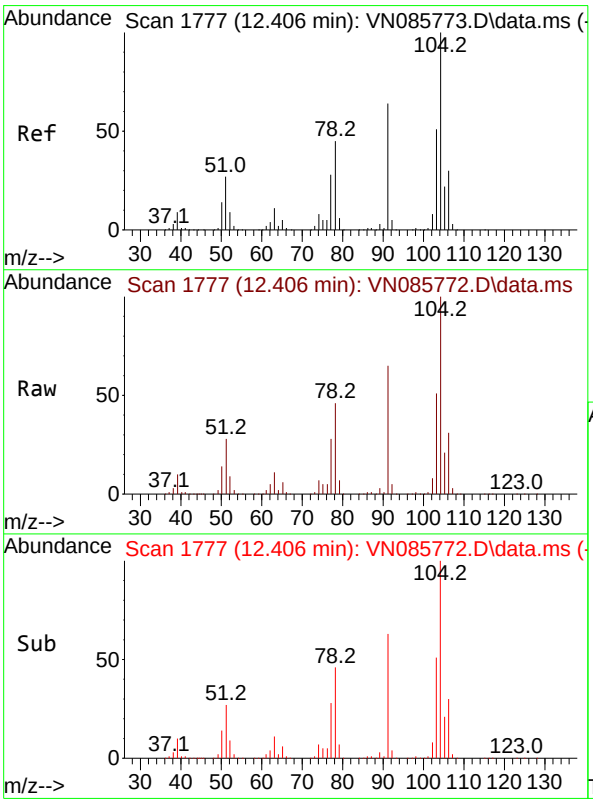
#69
o-Xylene
Concen: 118.977 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 635879

Ion	Ratio	Lower	Upper
106	100		
91	213.2	107.1	321.4

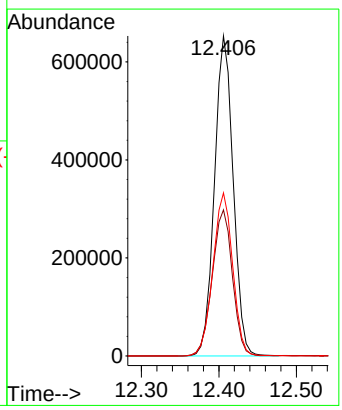


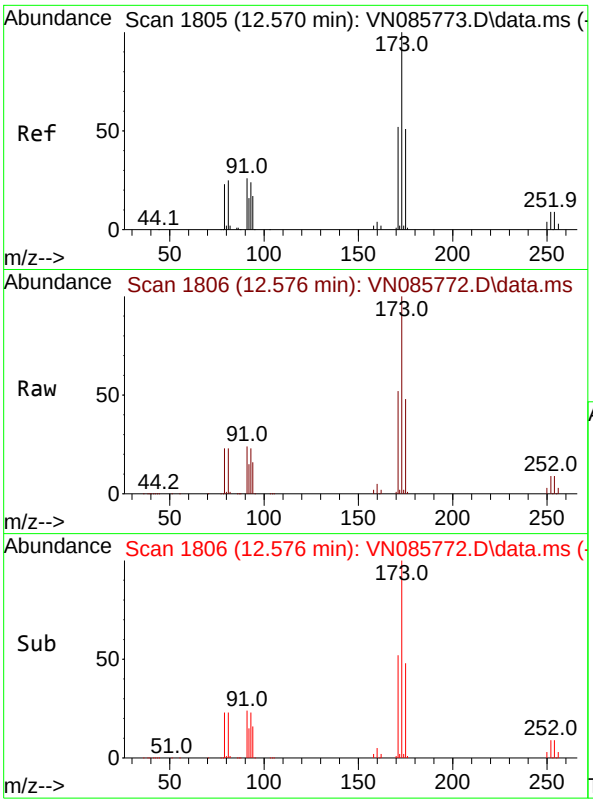


#70
Styrene
Concen: 100.012 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:104 Resp: 1095464

Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.0	58.6
103	53.9	43.3	64.9



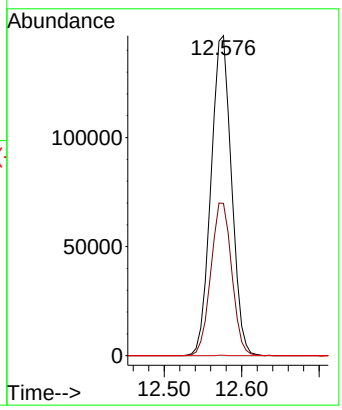


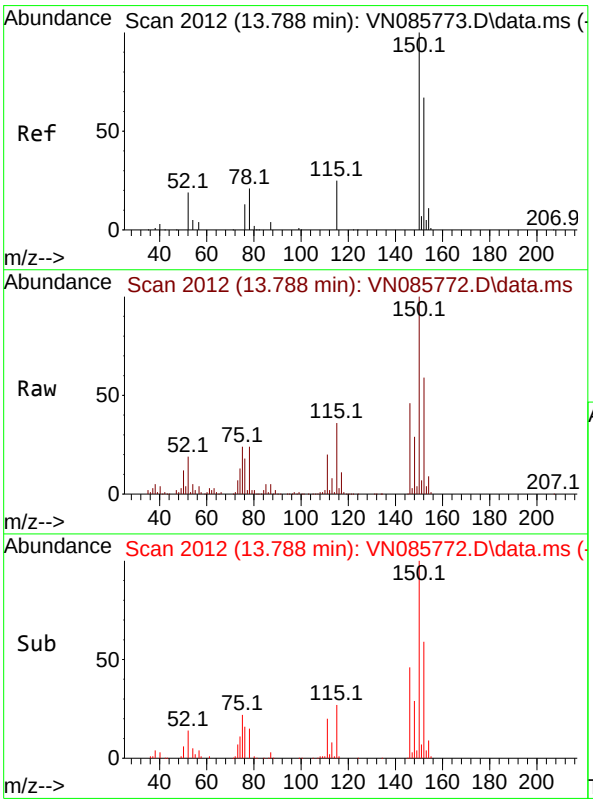
#71
Bromoform
Concen: 106.877 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 269816

Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.1	75.4
254	0.1	0.0	0.0#

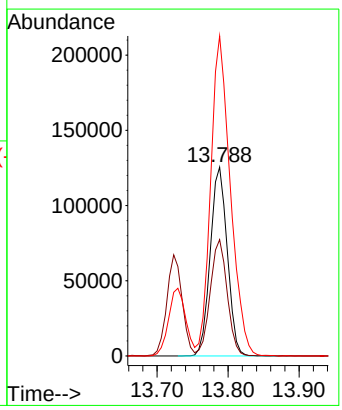


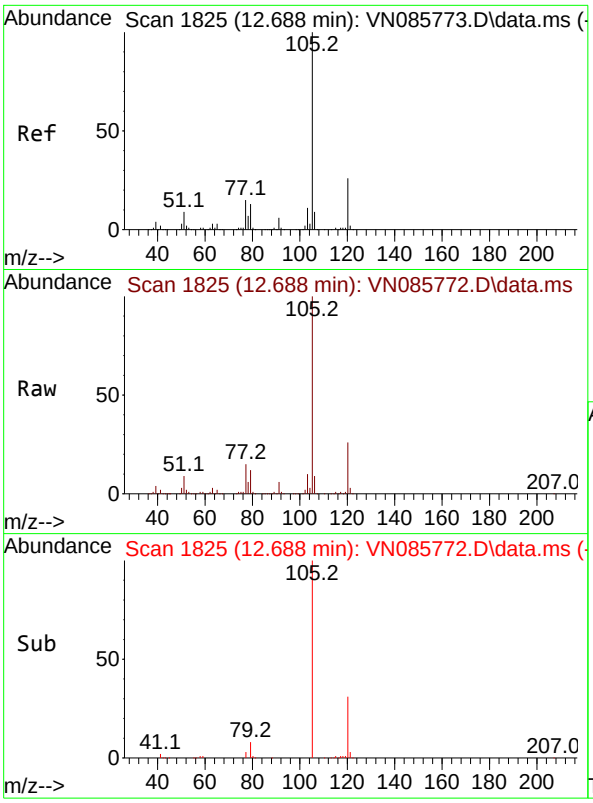


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:152 Resp: 208401

Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.4	91.3
150	196.0	0.0	345.4



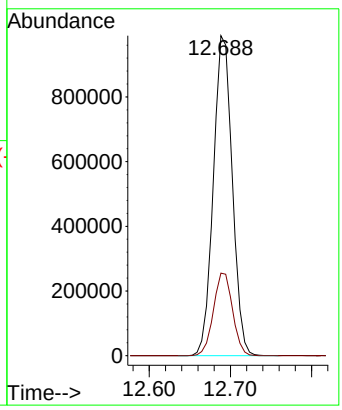


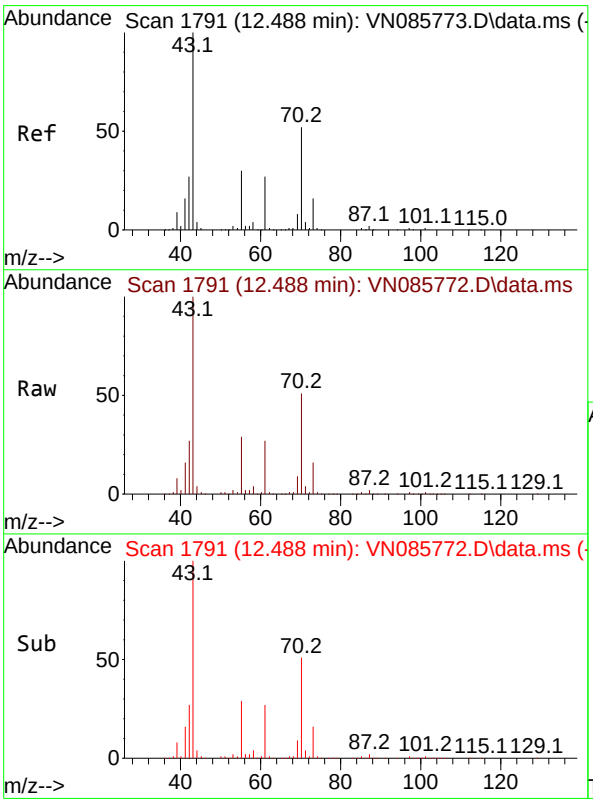
#73
Isopropylbenzene
Concen: 112.422 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1605096

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0

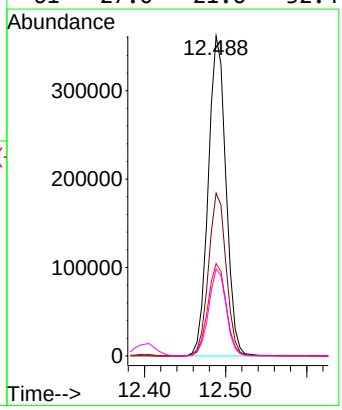


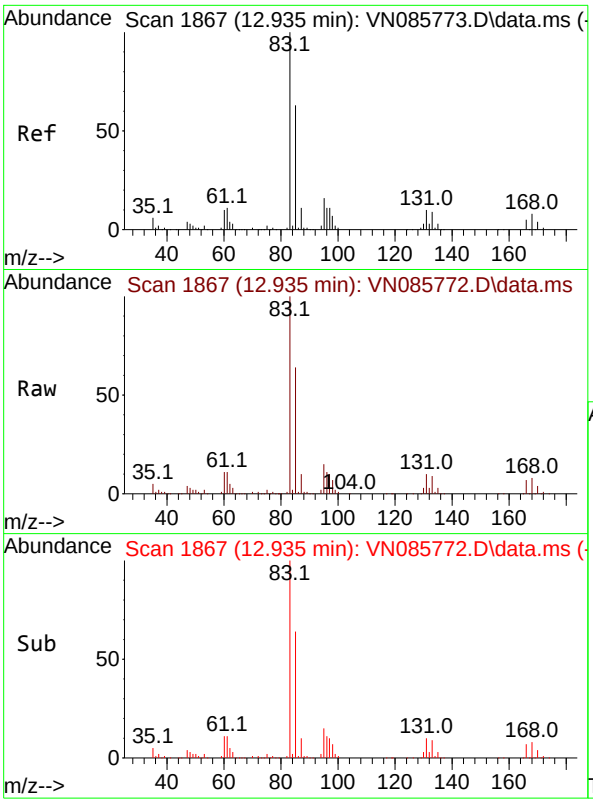


#74
N-amyl acetate
Concen: 108.541 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 43 Resp: 546485

Ion	Ratio	Lower	Upper
43	100		
70	50.8	41.0	61.4
55	29.9	24.6	36.8
61	27.0	21.6	32.4



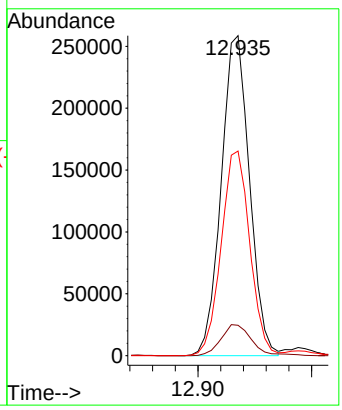


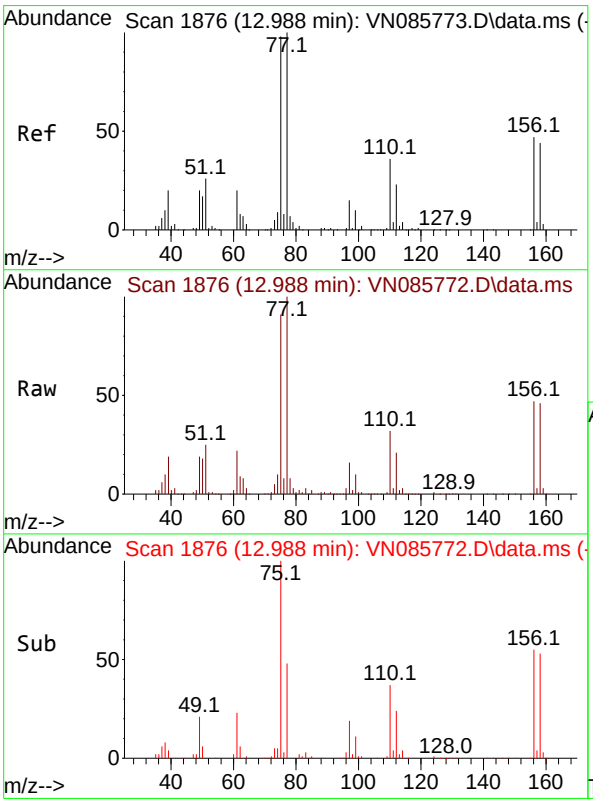
#75
1,1,2,2-Tetrachloroethane
Concen: 91.050 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 447332

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	64.6	32.2	96.6

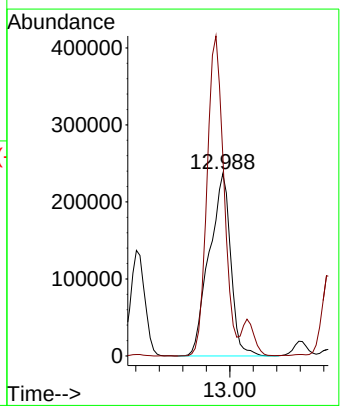


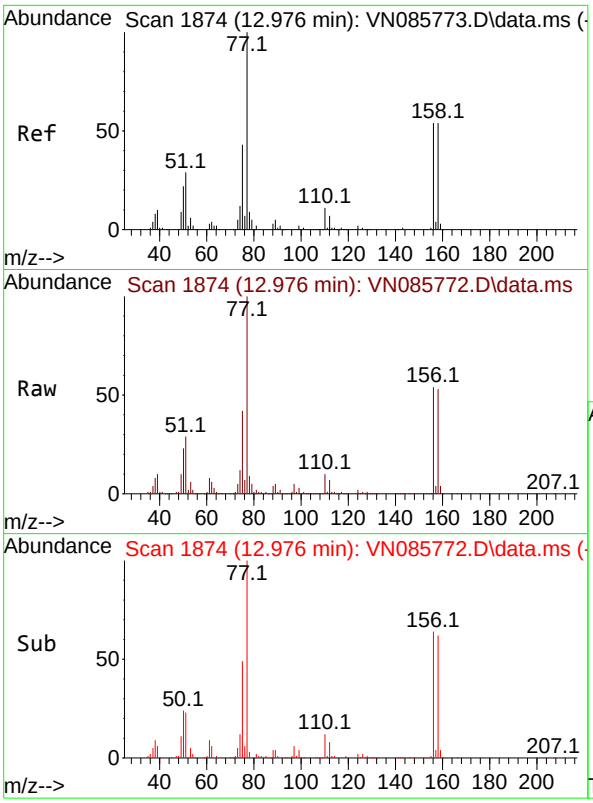


#76
1,2,3-Trichloropropane
Concen: 131.049 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 599993

Ion	Ratio	Lower	Upper
75	100		
77	136.9	100.0	300.0



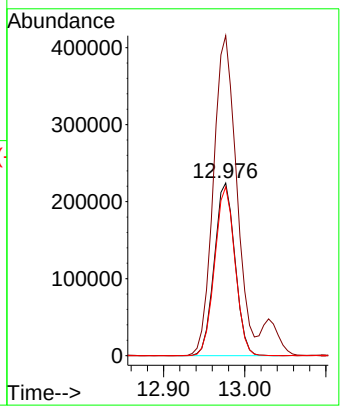


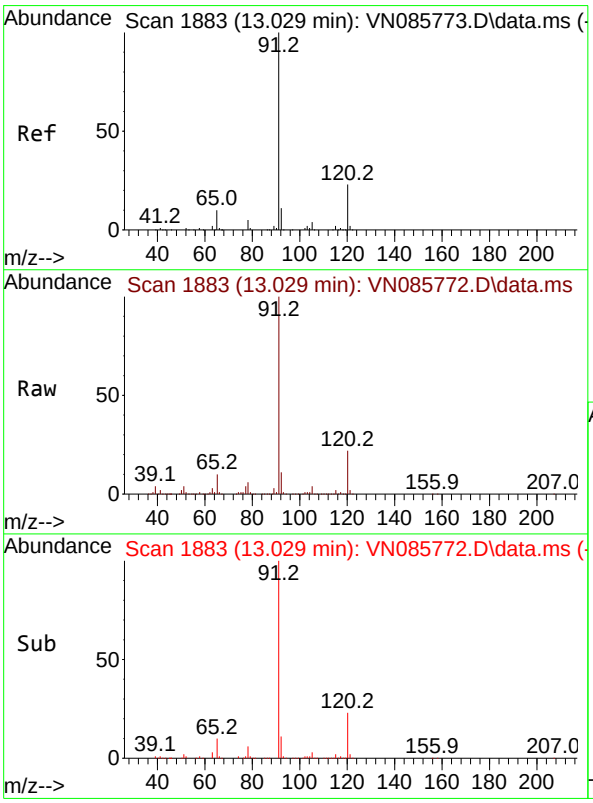
#77
Bromobenzene
Concen: 102.631 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 395882

Ion	Ratio	Lower	Upper
156	100		
77	207.5	104.1	312.3
158	96.5	48.1	144.4

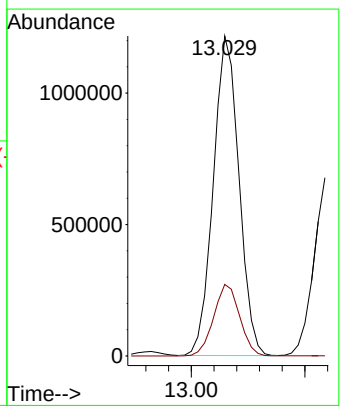


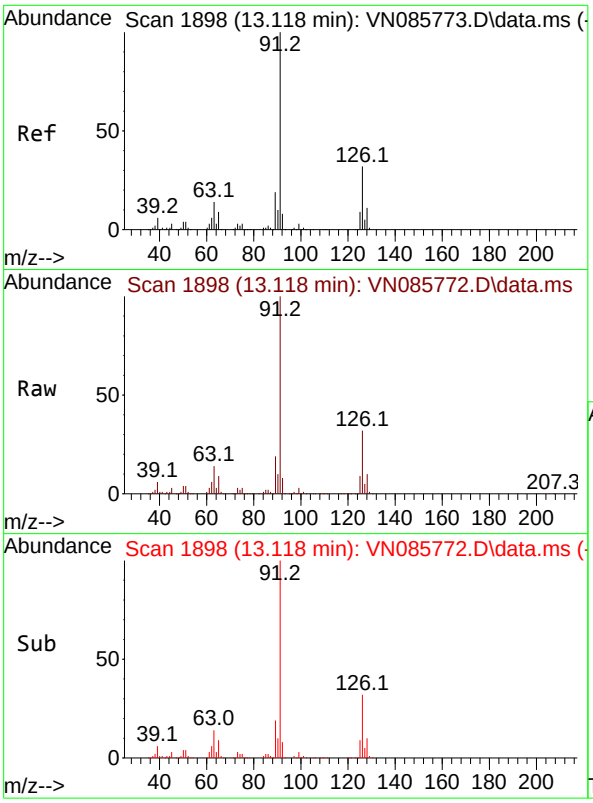


#78
n-propylbenzene
Concen: 116.552 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 91 Resp: 1905758

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8



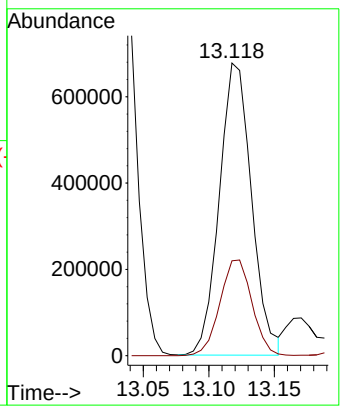


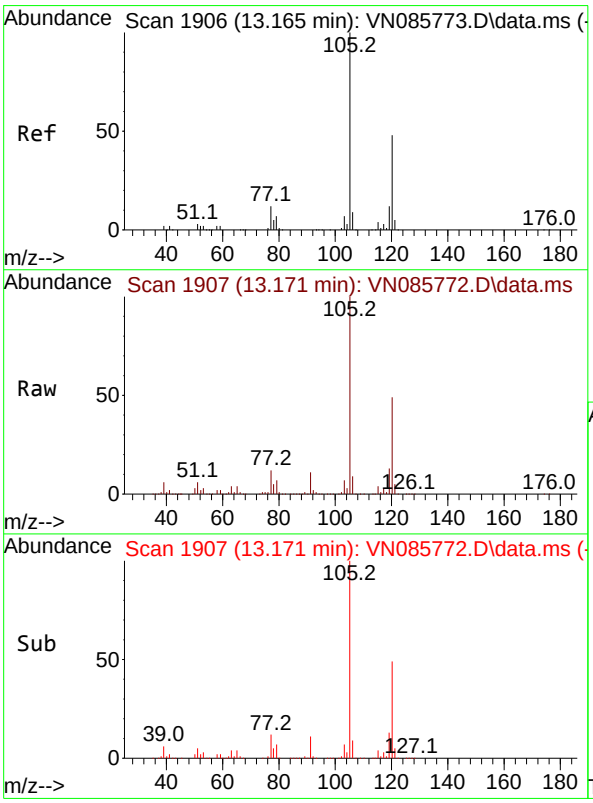
#79
2-Chlorotoluene
Concen: 106.029 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1158348

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

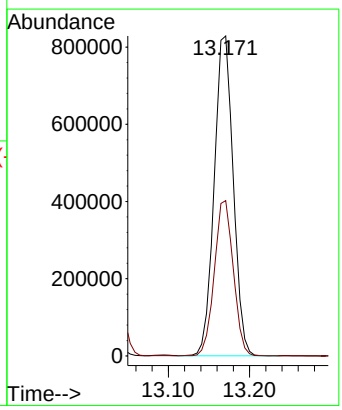


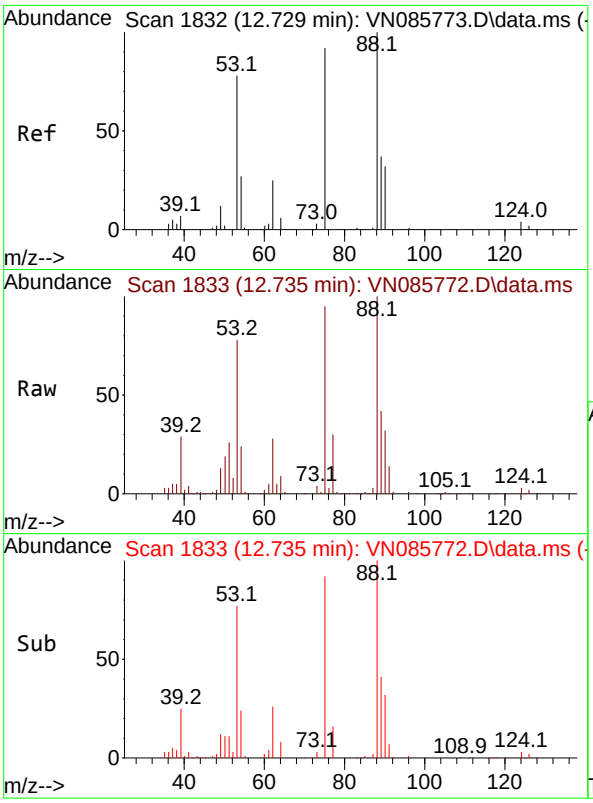


#80
1,3,5-Trimethylbenzene
Concen: 116.226 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:105 Resp: 1351753

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9



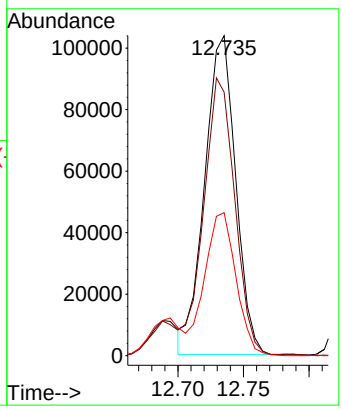


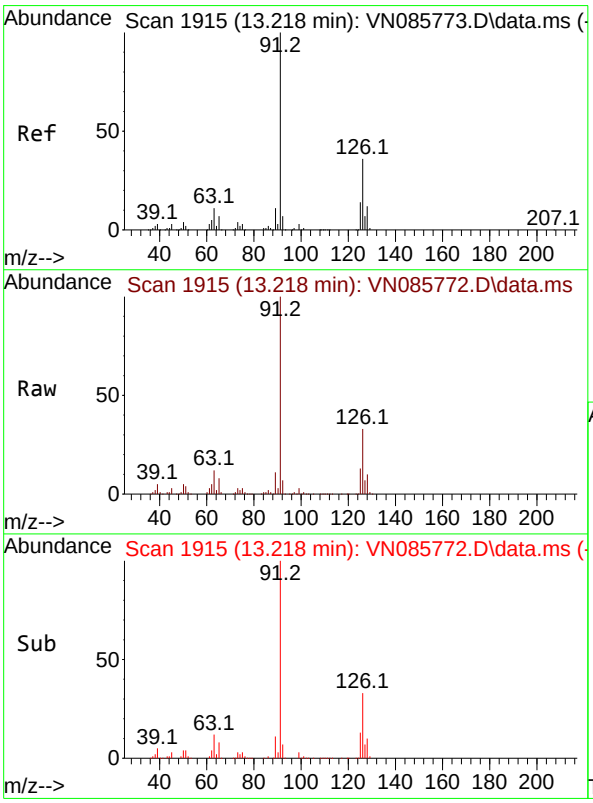
#81
trans-1,4-Dichloro-2-butene
Concen: 107.459 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 170494

Ion	Ratio	Lower	Upper
75	100		
53	88.3	74.2	111.4
89	45.3	34.9	52.3

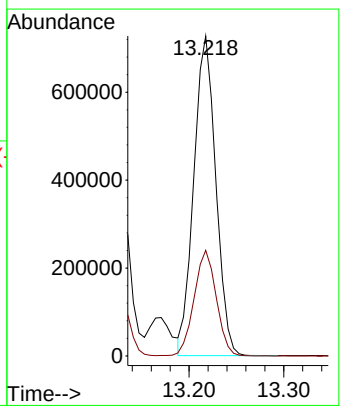


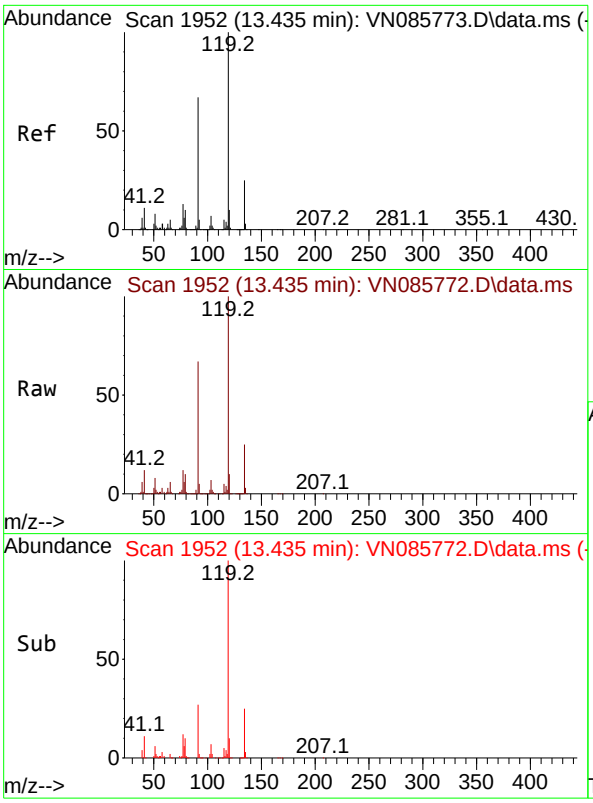


#82
4-Chlorotoluene
Concen: 108.322 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 91 Resp: 1173182

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.4



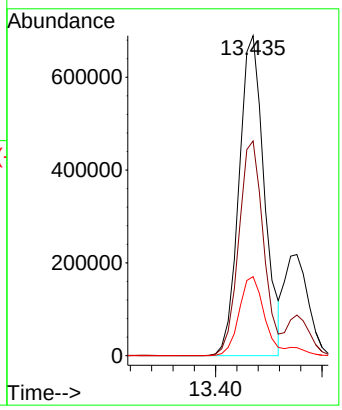


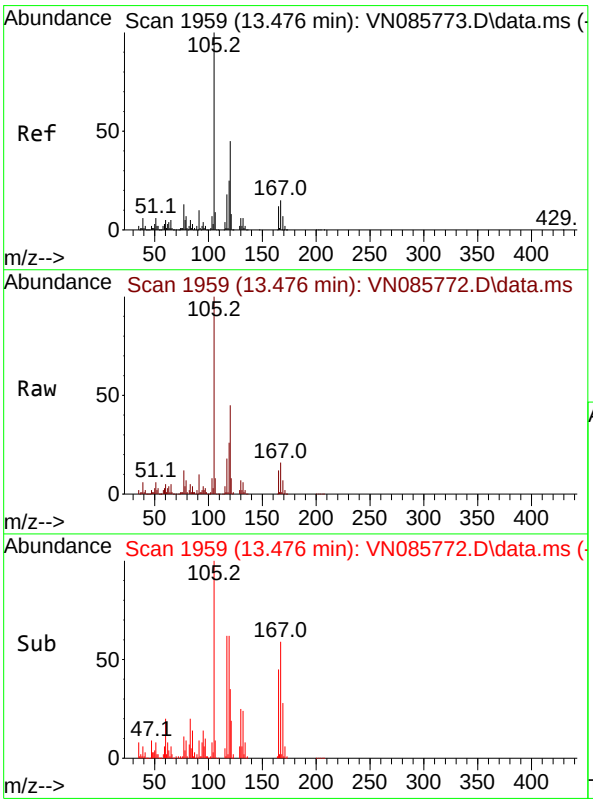
#83
tert-Butylbenzene
Concen: 116.235 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 1136802

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.5	97.5
134	26.5	13.3	39.9

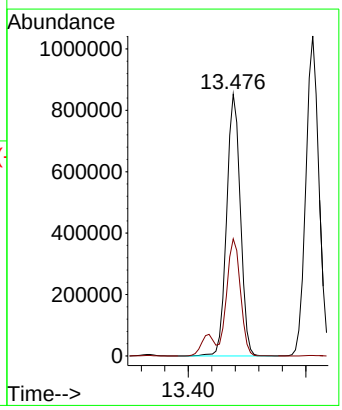


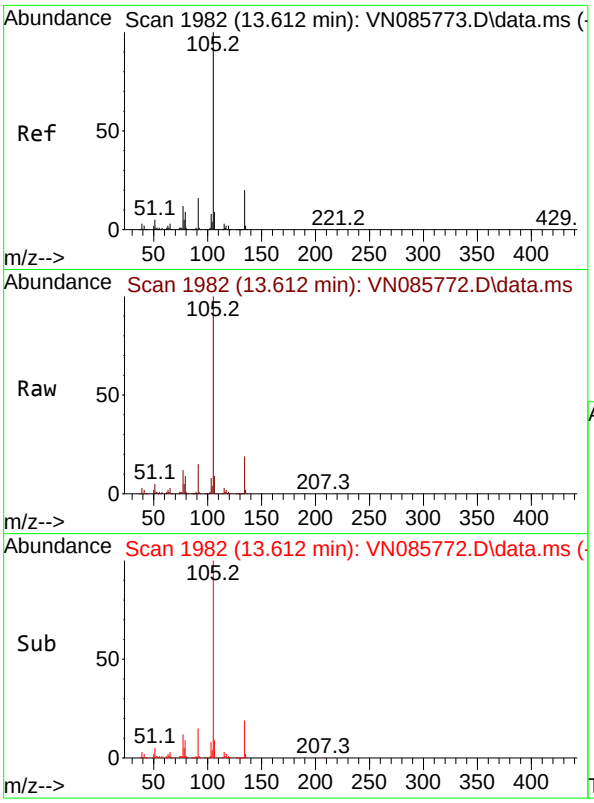


#84
1,2,4-Trimethylbenzene
Concen: 119.764 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:105 Resp: 1378080

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3



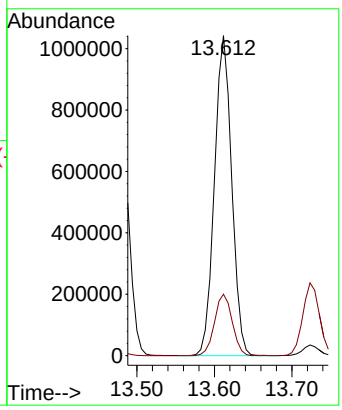


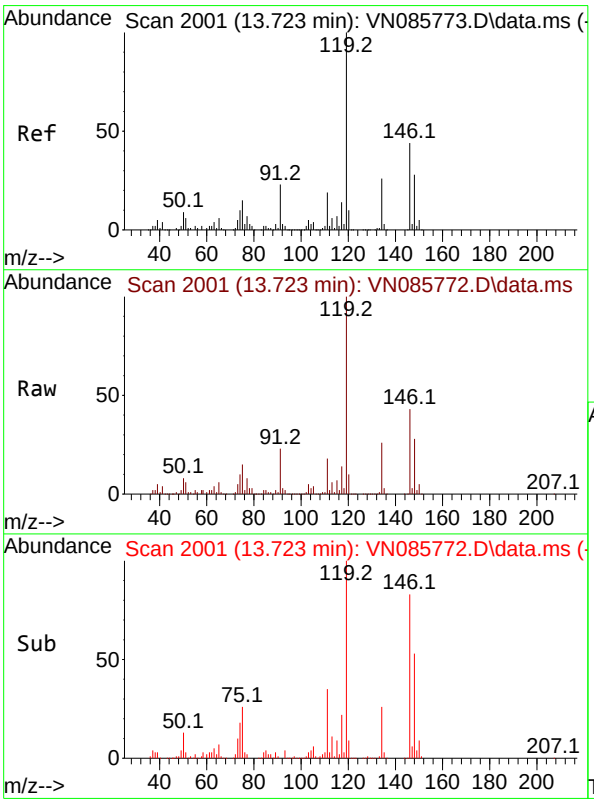
#85
sec-Butylbenzene
Concen: 116.540 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1610382

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

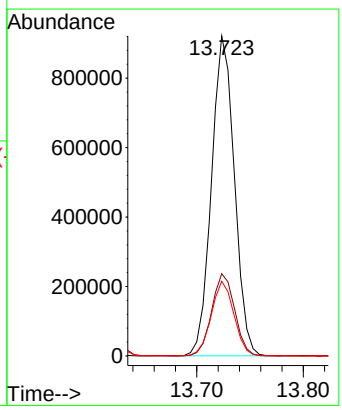


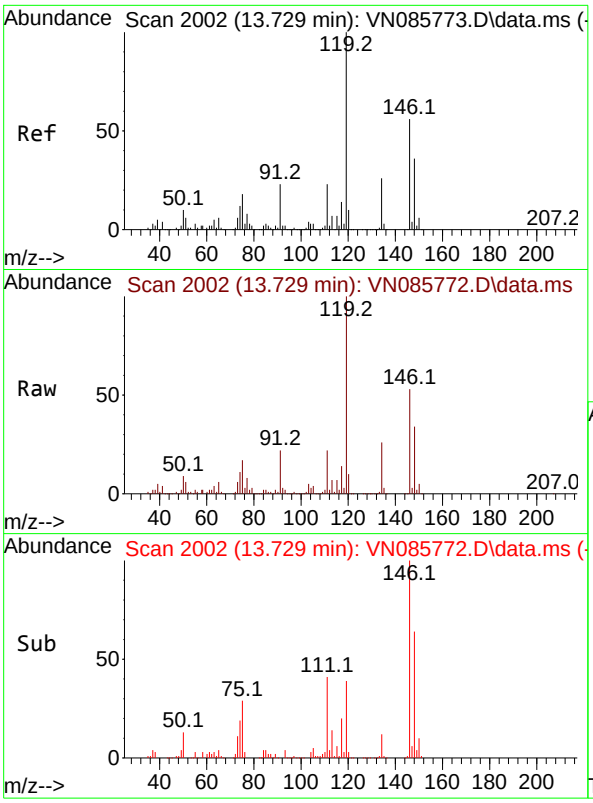


#86
p-Isopropyltoluene
Concen: 99.983 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:119 Resp: 1374884

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	23.1	11.7	35.1



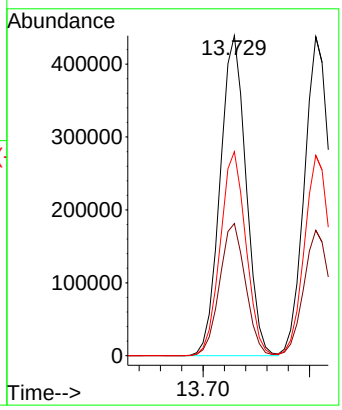


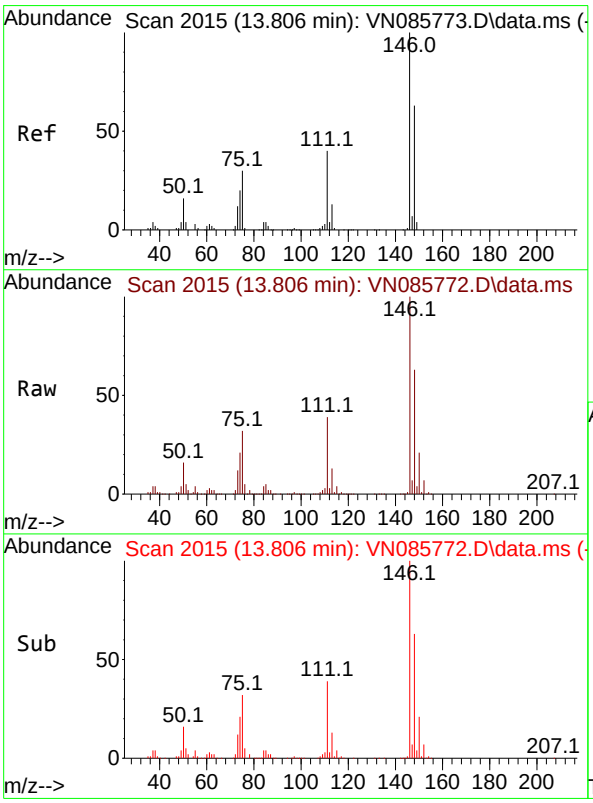
#87
1,3-Dichlorobenzene
Concen: 102.213 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 738679

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	63.4	32.1	96.5

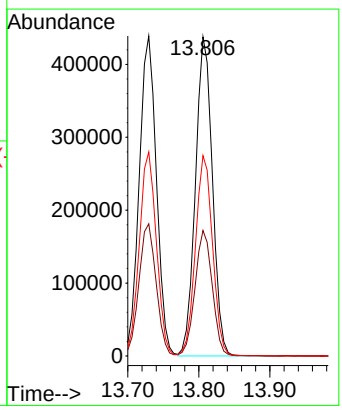


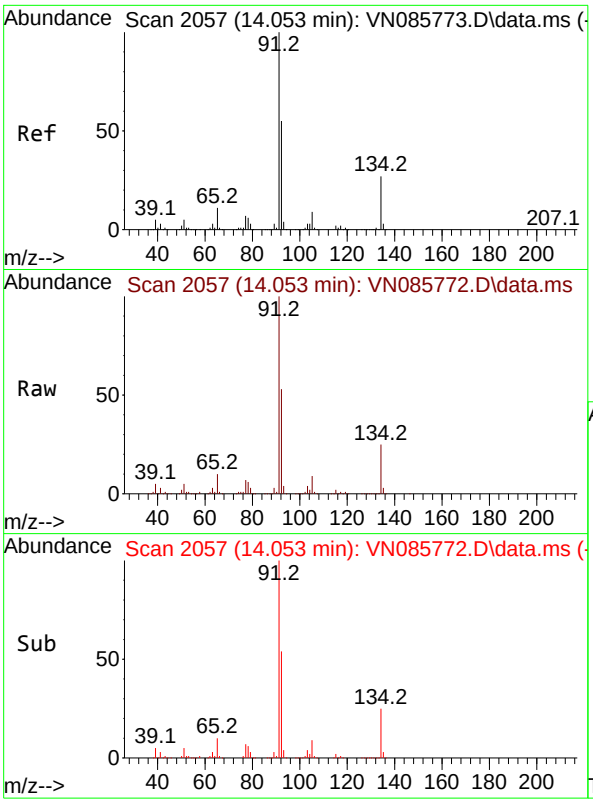


#88
1,4-Dichlorobenzene
Concen: 98.484 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:146 Resp: 729470

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	63.1	31.8	95.4



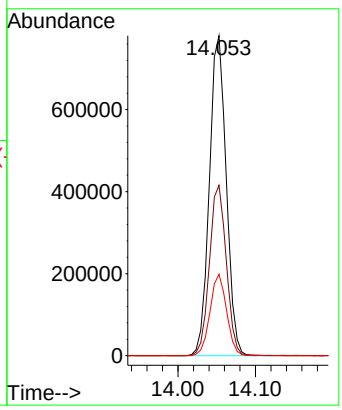


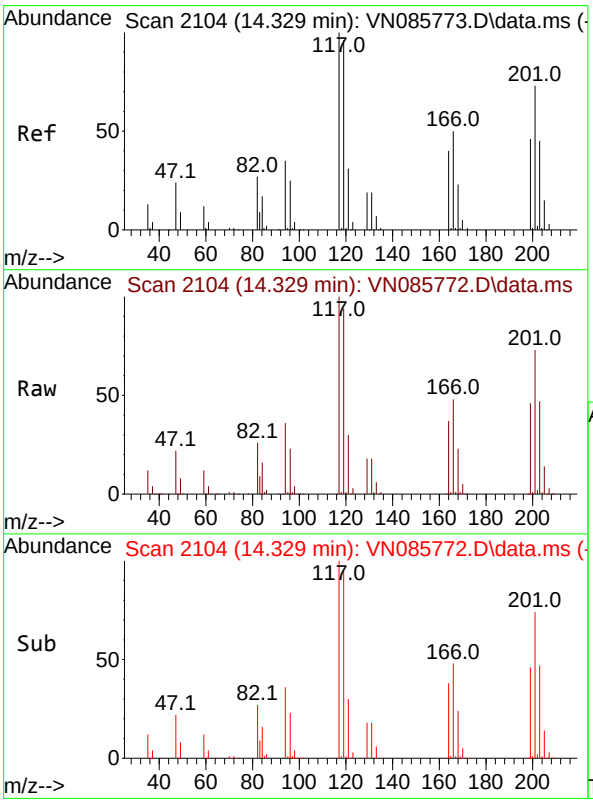
#89
n-Butylbenzene
Concen: 120.179 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1179057

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.1	81.3
134	25.0	12.7	38.1

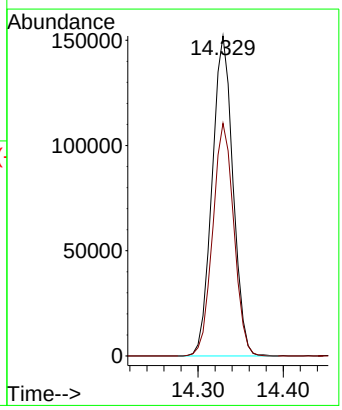


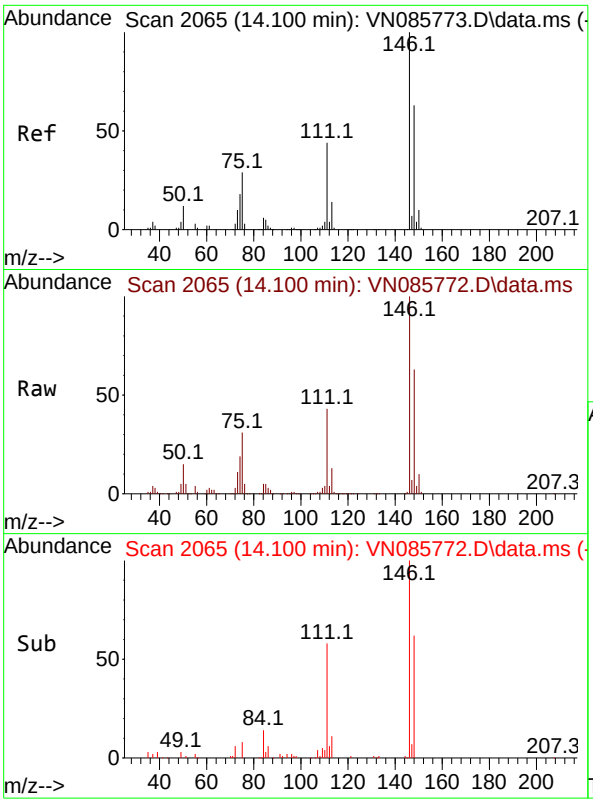


#90
Hexachloroethane
Concen: 98.800 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:117 Resp: 258559

Ion	Ratio	Lower	Upper
117	100		
201	73.4	35.6	106.9



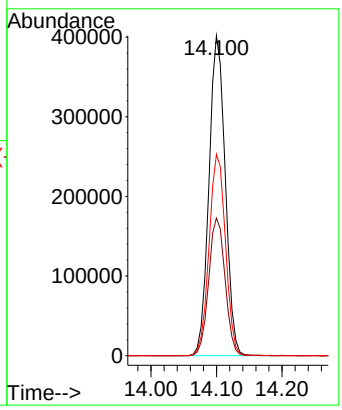


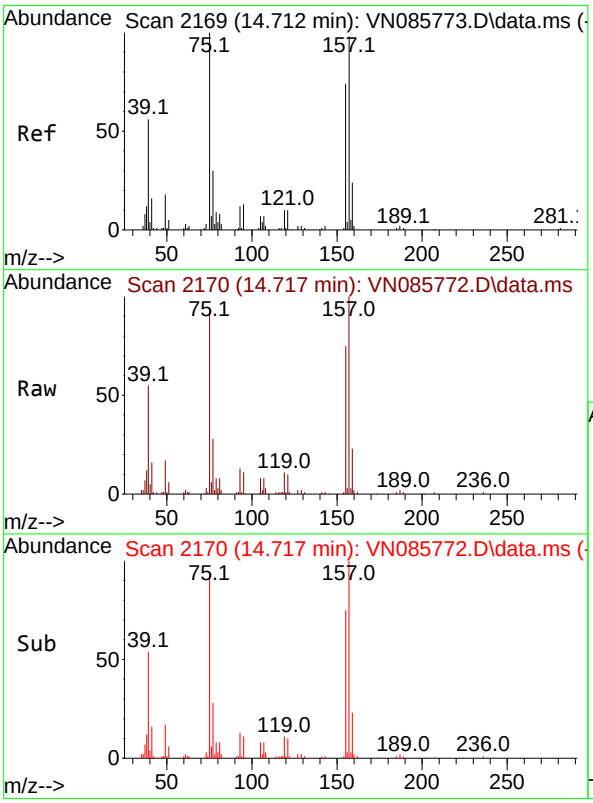
#91
1,2-Dichlorobenzene
Concen: 99.562 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 691905

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.3
148	63.5	32.0	96.2

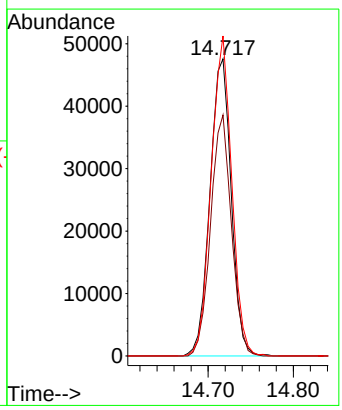


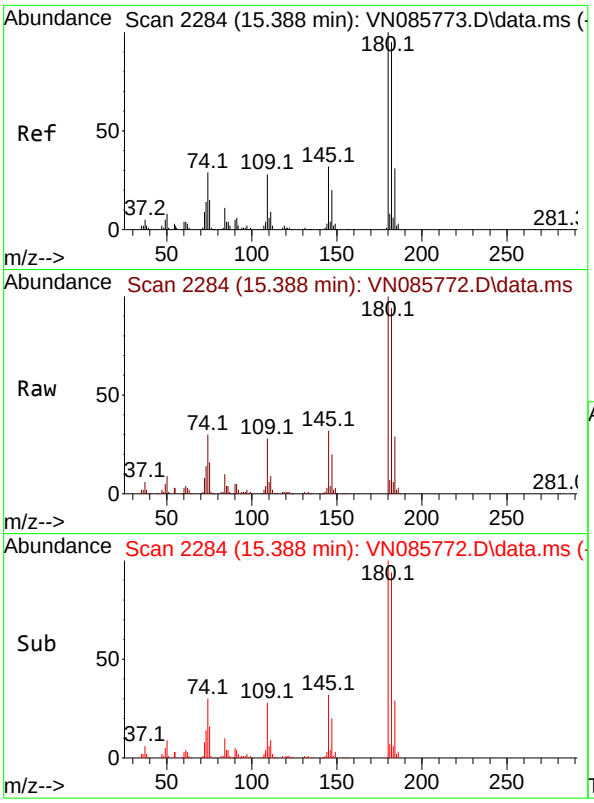


#92
1,2-Dibromo-3-Chloropropane
Concen: 91.495 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion: 75 Resp: 82545

Ion	Ratio	Lower	Upper
75	100		
155	79.3	39.9	119.6
157	104.4	49.9	149.7



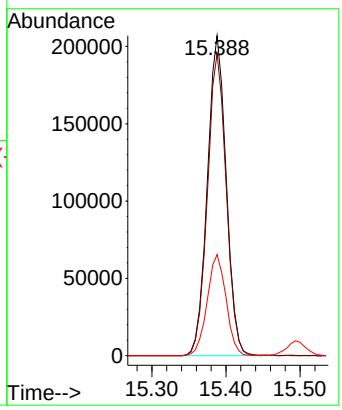


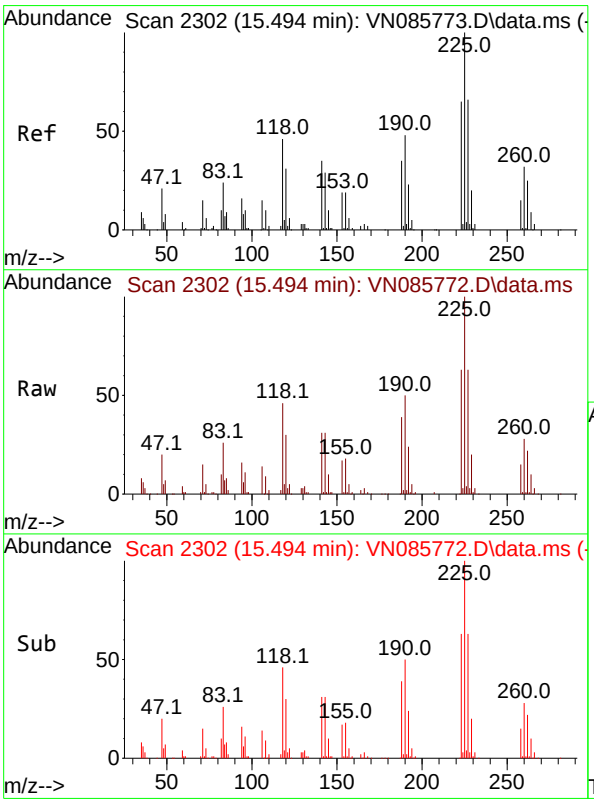
#93
1,2,4-Trichlorobenzene
Concen: 110.404 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 365599

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	31.7	16.2	48.5

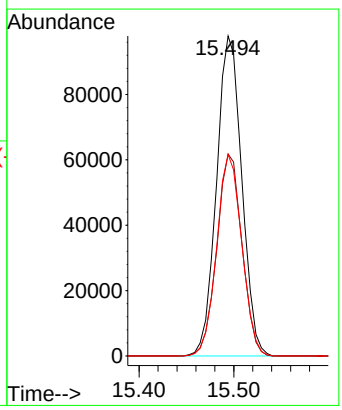


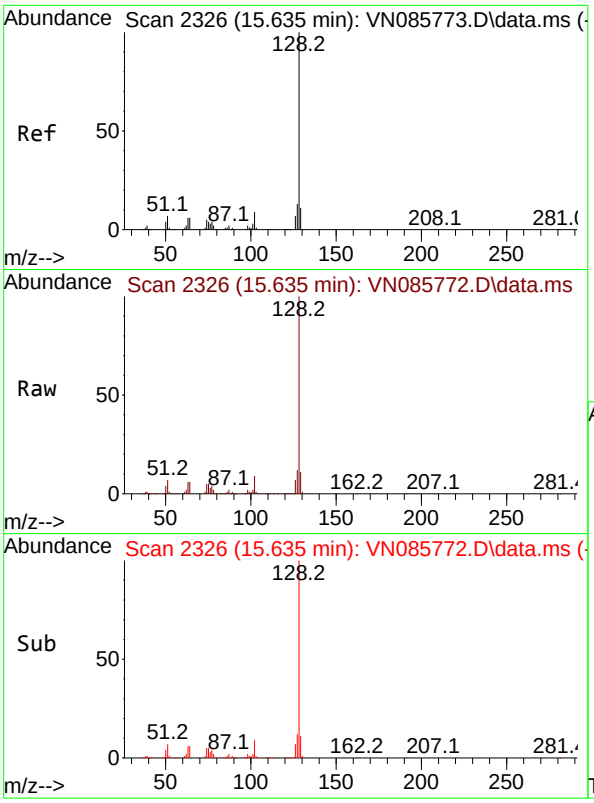


#94
Hexachlorobutadiene
Concen: 90.068 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:225 Resp: 181264

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.5
227	62.6	32.2	96.6



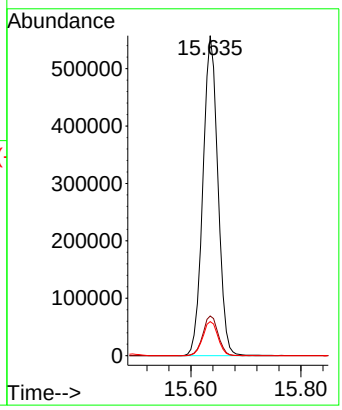


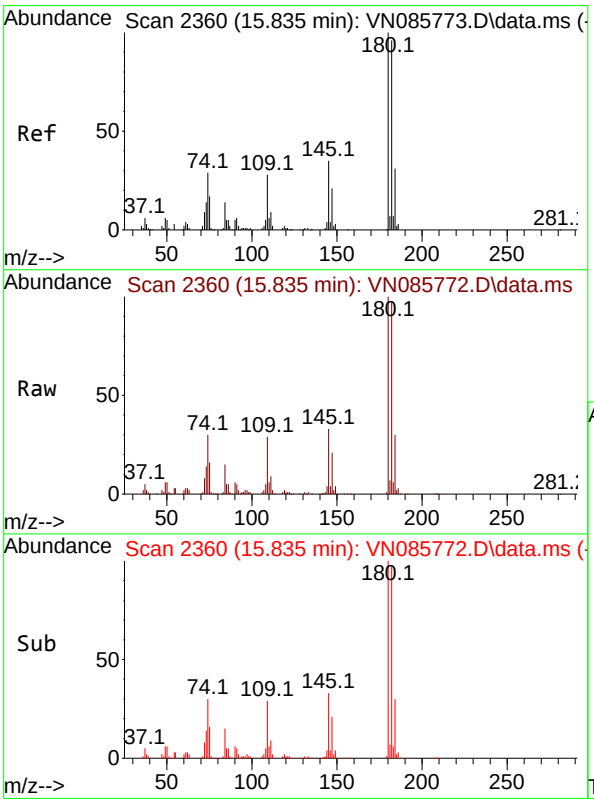
#95
Naphthalene
Concen: 115.870 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1053414

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.7	13.1

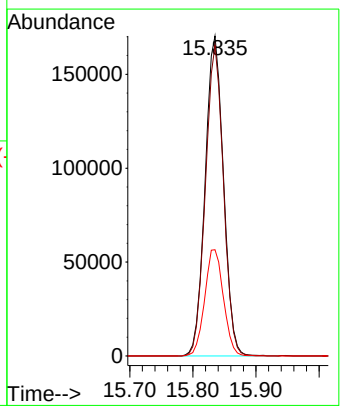




#96
1,2,3-Trichlorobenzene
Concen: 103.456 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085772.D
Acq: 18 Feb 2025 11:09

Tgt Ion:180 Resp: 343936

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	33.9	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	322407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	526945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	461653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	227499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	197726	47.304	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.600%			
35) Dibromofluoromethane	8.159	113	167050	48.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.900%			
50) Toluene-d8	10.559	98	632021	50.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.841	95	220691	53.393	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	215740	49.195	ug/l	100
3) Chloromethane	2.359	50	200592	45.584	ug/l	100
4) Vinyl Chloride	2.512	62	218675	46.933	ug/l	100
5) Bromomethane	2.953	94	136563	45.838	ug/l	100
6) Chloroethane	3.124	64	134303	43.517	ug/l	100
7) Trichlorofluoromethane	3.501	101	309133	45.825	ug/l	100
8) Diethyl Ether	3.959	74	106634	48.854	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	181996	46.673	ug/l	100
10) Methyl Iodide	4.583	142	232889	48.452	ug/l	100
11) Tert butyl alcohol	5.506	59	126538	246.136	ug/l	100
12) 1,1-Dichloroethene	4.336	96	170063	48.100	ug/l	100
13) Acrolein	4.177	56	203891	267.442	ug/l	100
14) Allyl chloride	5.018	41	222754	47.986	ug/l	100
15) Acrylonitrile	5.712	53	394641	236.130	ug/l	100
16) Acetone	4.418	43	297175	224.691	ug/l	100
17) Carbon Disulfide	4.712	76	474860	45.317	ug/l	100
18) Methyl Acetate	5.018	43	199458	43.846	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	534589	50.883	ug/l	100
20) Methylene Chloride	5.271	84	191098	44.929	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	176973	46.486	ug/l	100
22) Diisopropyl ether	6.665	45	529828	50.512	ug/l	100
23) Vinyl Acetate	6.594	43	1802342	251.727	ug/l	100
24) 1,1-Dichloroethane	6.565	63	333567	46.781	ug/l	100
25) 2-Butanone	7.471	43	474562	243.893	ug/l	100
26) 2,2-Dichloropropane	7.483	77	304840	48.079	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	213235	48.306	ug/l	100
28) Bromochloromethane	7.806	49	143276	48.888	ug/l	100
29) Tetrahydrofuran	7.830	42	315243	250.894	ug/l	100
30) Chloroform	7.959	83	344841	46.278	ug/l	100
31) Cyclohexane	8.253	56	277254	46.440	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	311700	47.030	ug/l	100
36) 1,1-Dichloropropene	8.365	75	242144	49.620	ug/l	100
37) Ethyl Acetate	7.553	43	197609	49.206	ug/l	100
38) Carbon Tetrachloride	8.353	117	278306	47.997	ug/l	100
39) Methylcyclohexane	9.594	83	259289	54.085	ug/l	100
40) Benzene	8.600	78	759363	48.551	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	113568	52.901	ug/l		100
42) 1,2-Dichloroethane	8.665	62	240115	47.132	ug/l		100
43) Isopropyl Acetate	8.683	43	335482	47.574	ug/l		100
44) Trichloroethene	9.347	130	178742	46.544	ug/l		100
45) 1,2-Dichloropropane	9.618	63	182649	48.379	ug/l		100
46) Dibromomethane	9.700	93	127850	48.010	ug/l		100
47) Bromodichloromethane	9.882	83	272912	47.901	ug/l		100
48) Methyl methacrylate	9.677	41	158375	53.102	ug/l		100
49) 1,4-Dioxane	9.688	88	60759	1071.301	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	997906	257.731	ug/l		100
52) Toluene	10.624	92	475069	51.816	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	274791	52.159	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	298359	51.646	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	174198	47.788	ug/l		100
56) Ethyl methacrylate	10.871	69	261825	49.960	ug/l		100
57) 1,3-Dichloropropane	11.159	76	297683	48.920	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	458983	230.774	ug/l		100
59) 2-Hexanone	11.188	43	719870	270.257	ug/l		100
60) Dibromochloromethane	11.353	129	211769	49.890	ug/l		100
61) 1,2-Dibromoethane	11.465	107	169422	49.191	ug/l		100
64) Tetrachloroethene	11.100	164	166710	46.613	ug/l		100
65) Chlorobenzene	11.882	112	512436	48.454	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	182537	48.020	ug/l		100
67) Ethyl Benzene	11.959	91	879040	53.062	ug/l		100
68) m/p-Xylenes	12.065	106	684377	108.757	ug/l		100
69) o-Xylene	12.394	106	324948	54.342	ug/l		100
70) Styrene	12.406	104	555269	49.909	ug/l		100
71) Bromoform	12.570	173	139895	49.528	ug/l	#	100
73) Isopropylbenzene	12.688	105	817980	52.482	ug/l		100
74) N-amyl acetate	12.488	43	282288	51.360	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	239463	44.649	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	316841	63.394	ug/l		57
77) Bromobenzene	12.976	156	205754	48.863	ug/l		100
78) n-propylbenzene	13.029	91	968182	54.241	ug/l		100
79) 2-Chlorotoluene	13.118	91	595046	49.895	ug/l		100
80) 1,3,5-Trimethylbenzene	13.165	105	695205	54.757	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	90255	52.111	ug/l		100
82) 4-Chlorotoluene	13.218	91	604612	51.139	ug/l		100
83) tert-Butylbenzene	13.435	119	586493	54.933	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	700260	55.748	ug/l		100
85) sec-Butylbenzene	13.612	105	831143	55.099	ug/l		100
86) p-Isopropyltoluene	13.723	119	692641	50.103	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	372004	47.154	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	374700	46.340	ug/l		100
89) n-Butylbenzene	14.053	91	580445	54.197	ug/l		100
90) Hexachloroethane	14.329	117	133438	46.708	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	358159	47.211	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.712	75	43935	44.611	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	182458	50.473	ug/l		100
94) Hexachlorobutadiene	15.494	225	96444	43.899	ug/l		100
95) Naphthalene	15.635	128	528627	53.265	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	179544	49.473	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

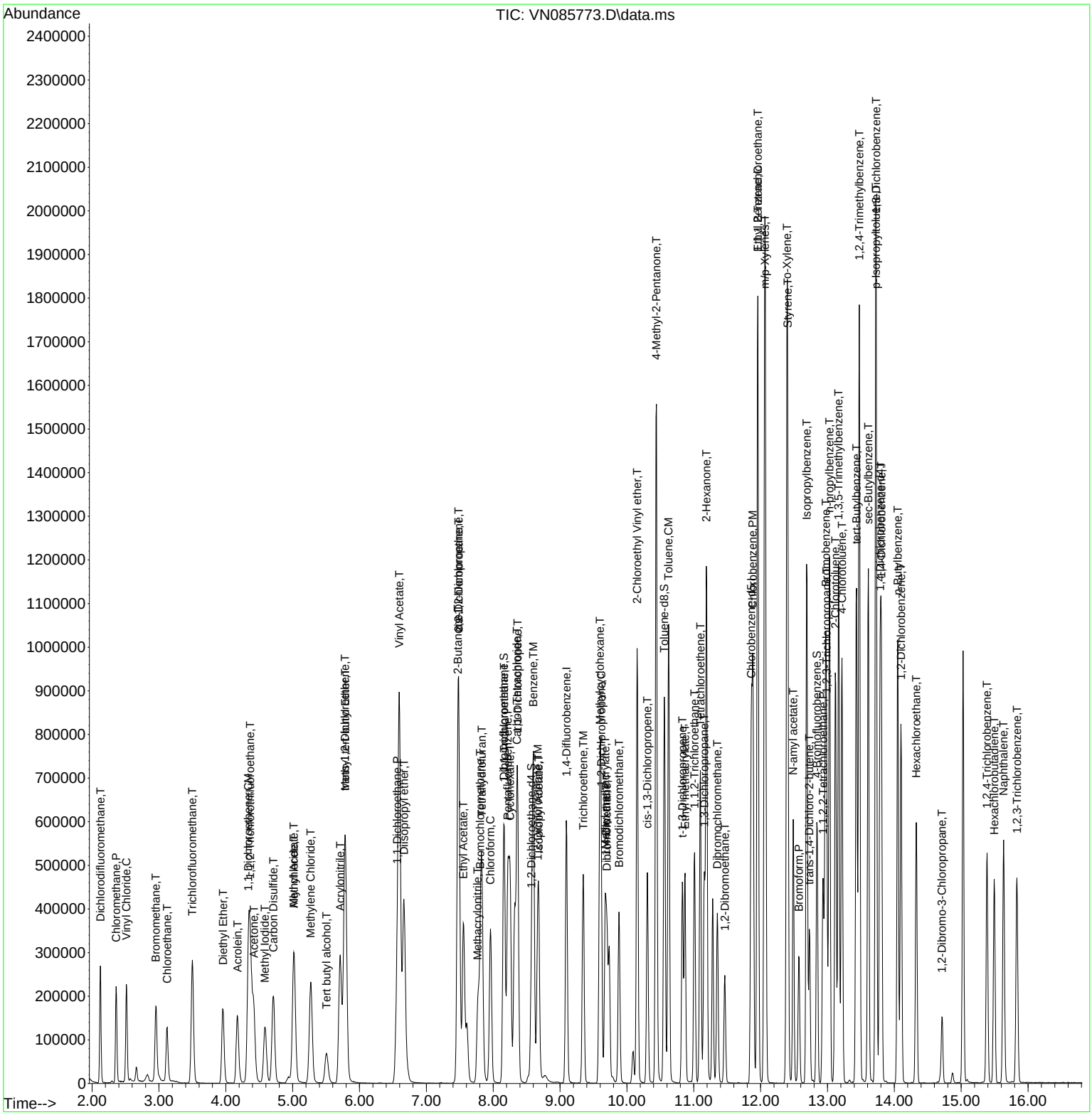
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

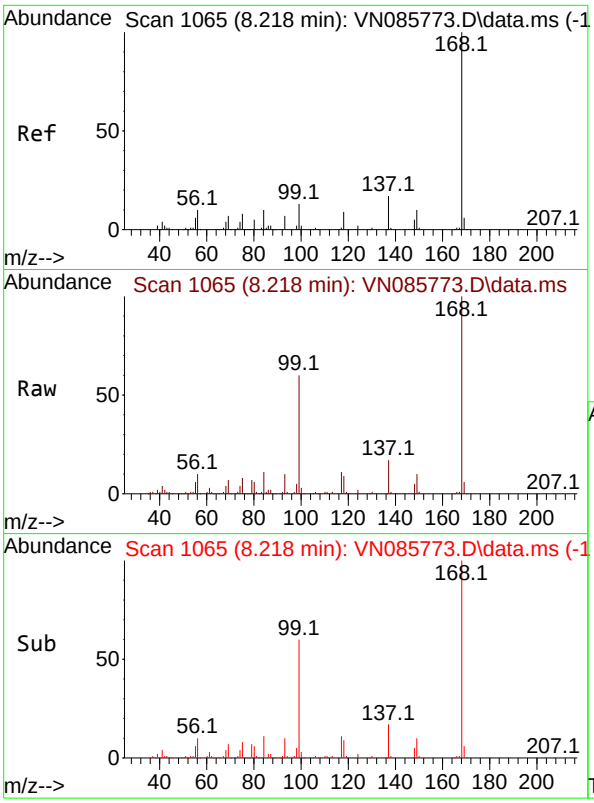
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration



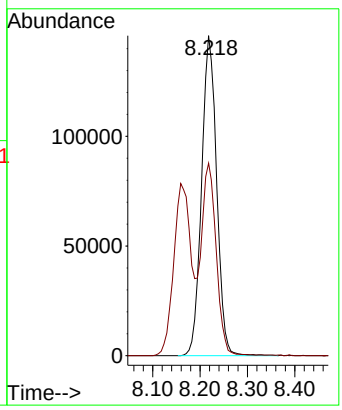


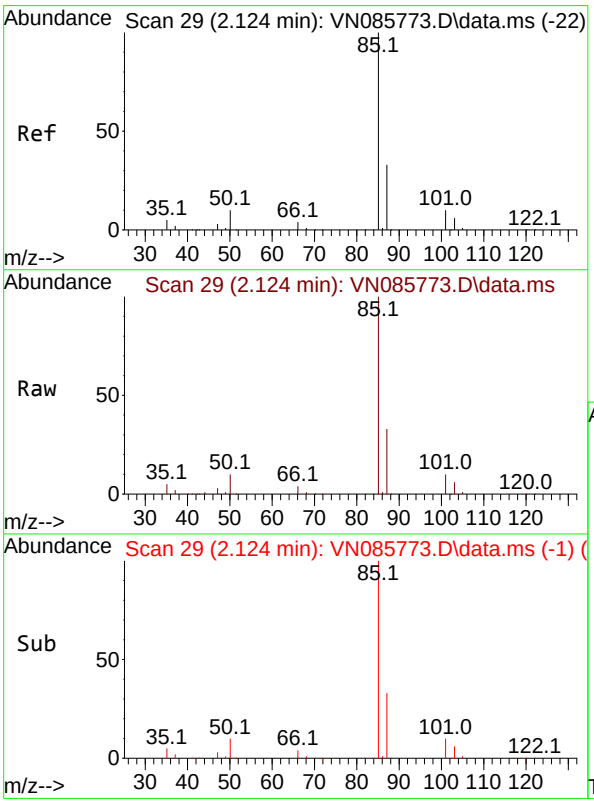
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 322407

Ion	Ratio	Lower	Upper
168	100		
99	59.9	47.9	71.9

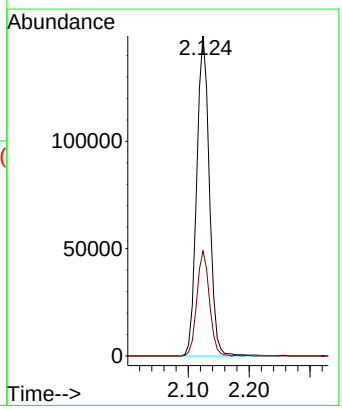


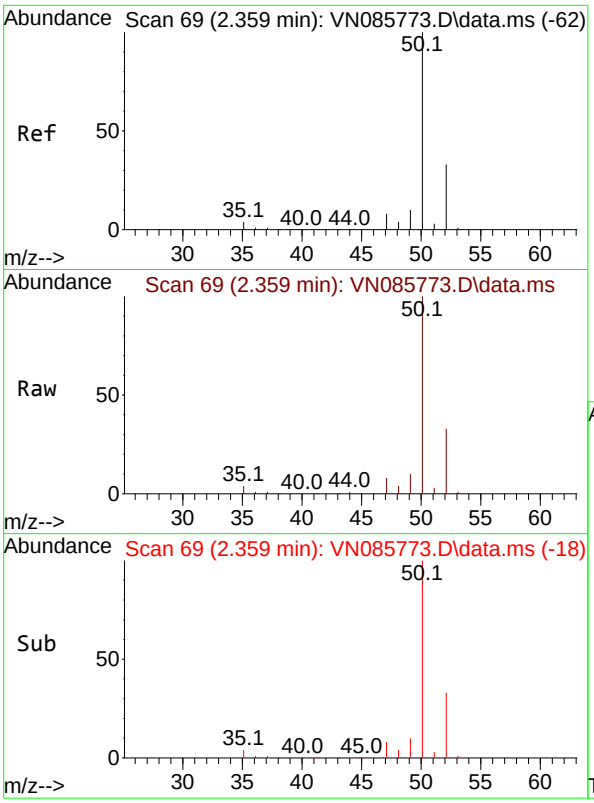


#2
Dichlorodifluoromethane
Concen: 49.195 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 85 Resp: 215740

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.2



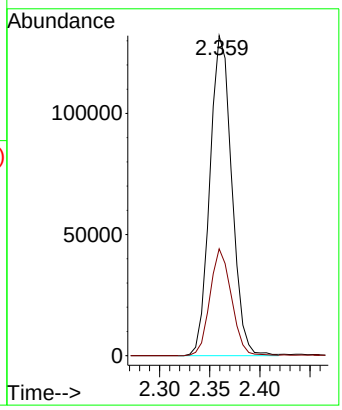


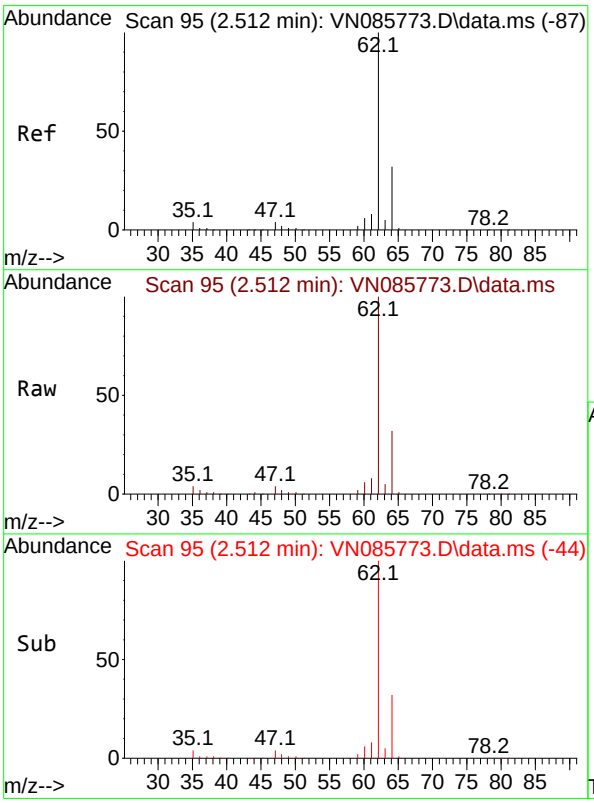
#3
Chloromethane
Concen: 45.584 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 200592

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.7	40.1

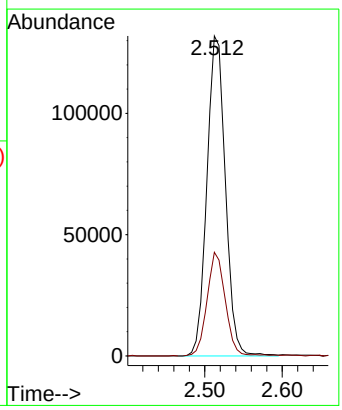


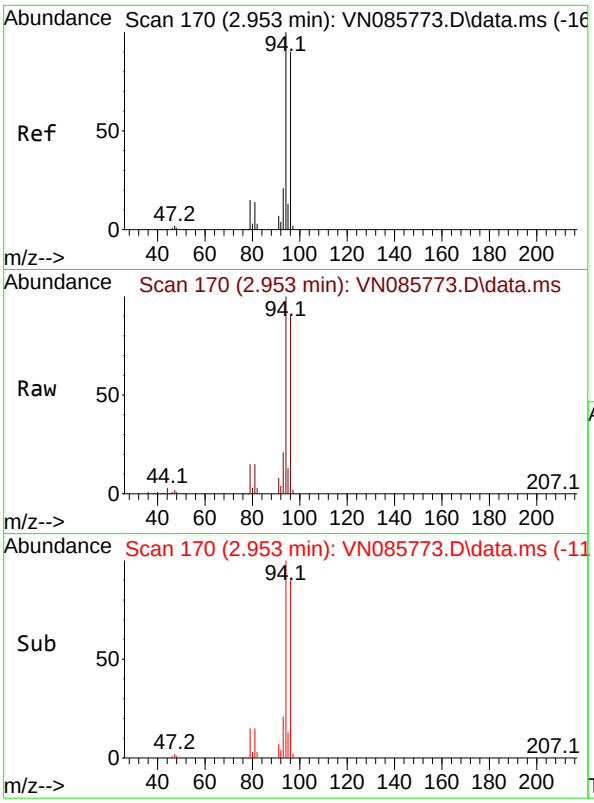


#4
Vinyl Chloride
Concen: 46.933 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 62 Resp: 218675

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.9	38.9



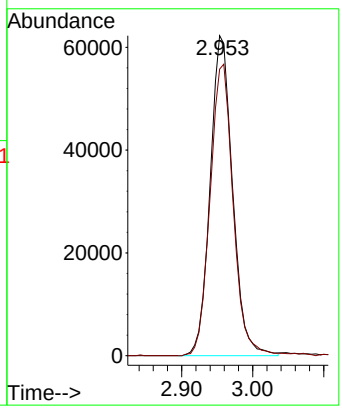


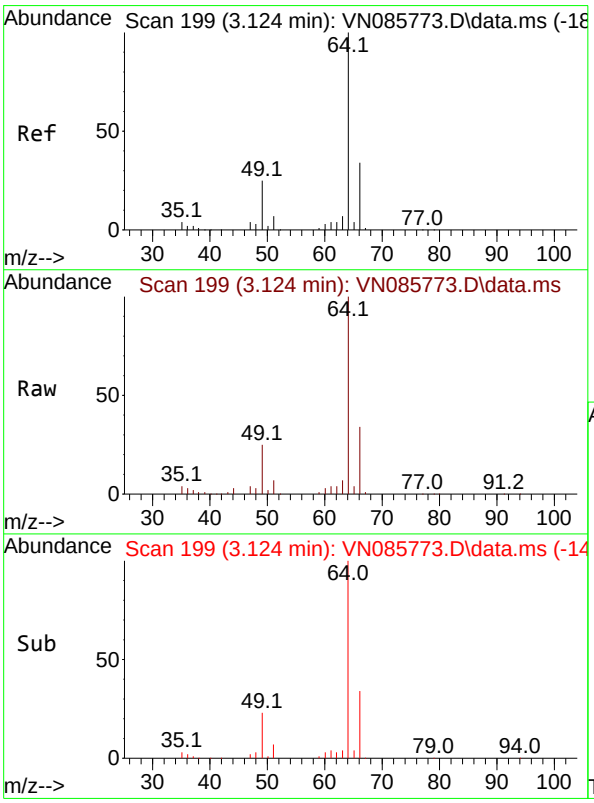
#5
Bromomethane
Concen: 45.838 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 136563

Ion	Ratio	Lower	Upper
94	100		
96	89.6	71.7	107.5

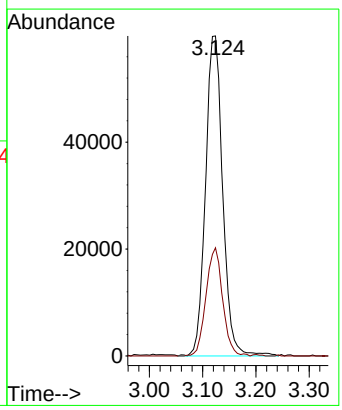


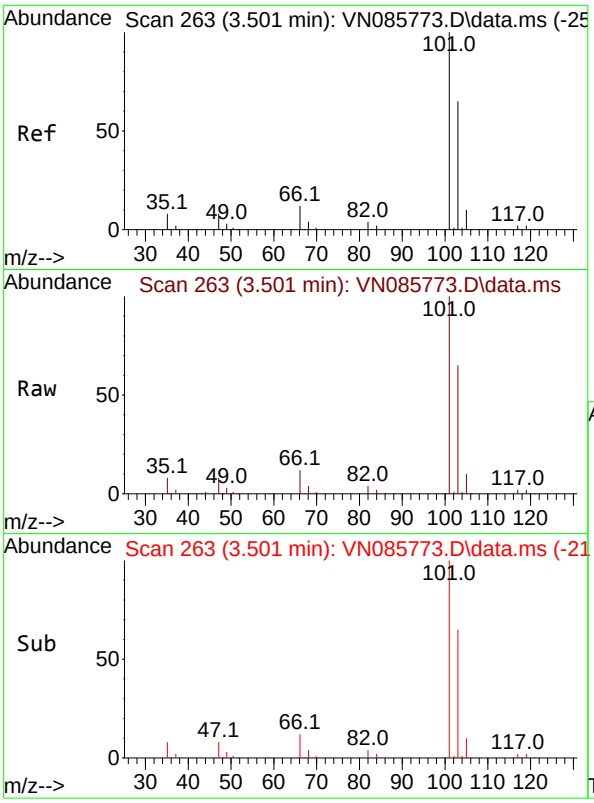


#6
Chloroethane
Concen: 43.517 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 64 Resp: 134303

Ion	Ratio	Lower	Upper
64	100		
66	33.8	27.0	40.6



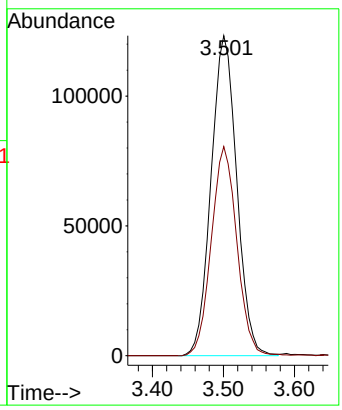


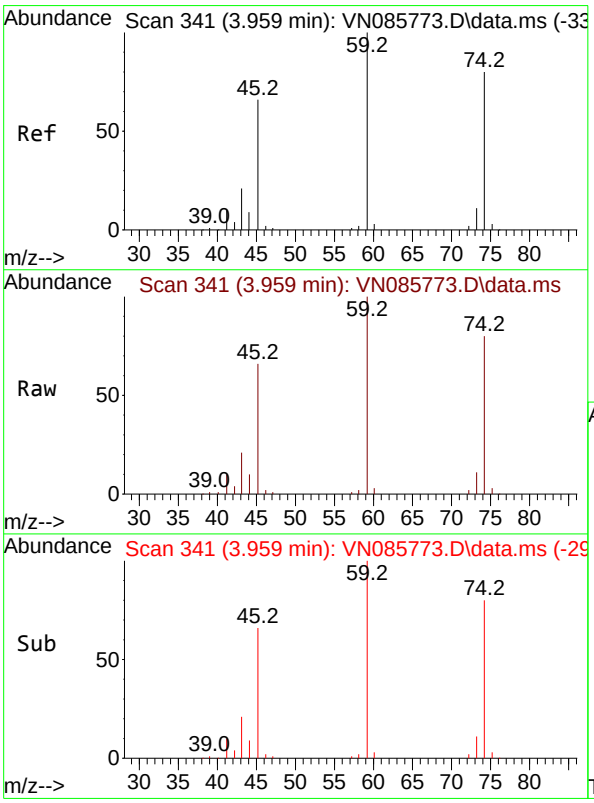
#7
Trichlorofluoromethane
Concen: 45.825 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 309133

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

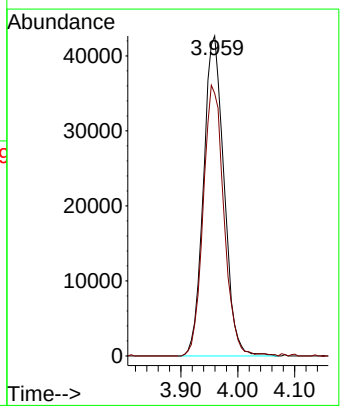


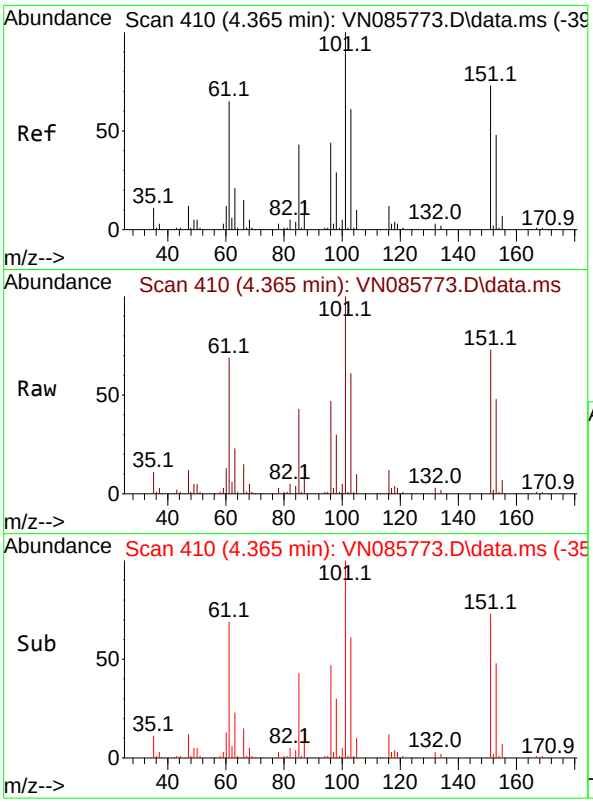


#8
Diethyl Ether
Concen: 48.854 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 74 Resp: 106634

Ion	Ratio	Lower	Upper
74	100		
45	85.1	42.5	127.6



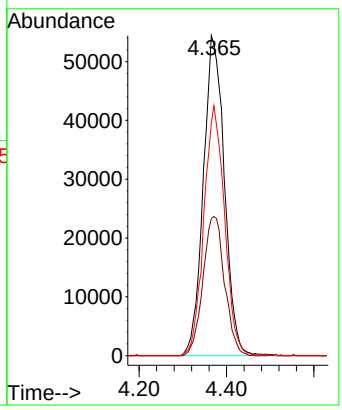


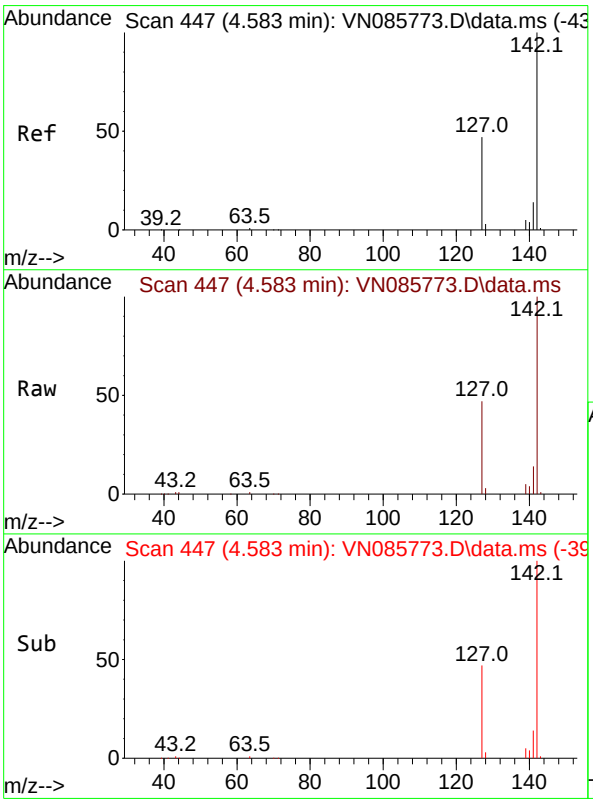
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.673 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 181996

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	76.8	61.4	92.2

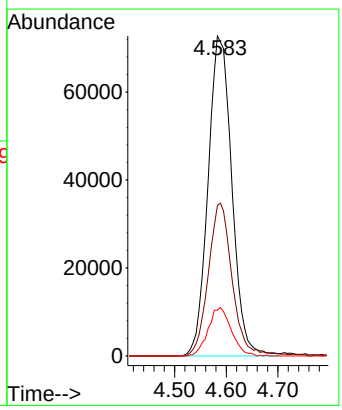


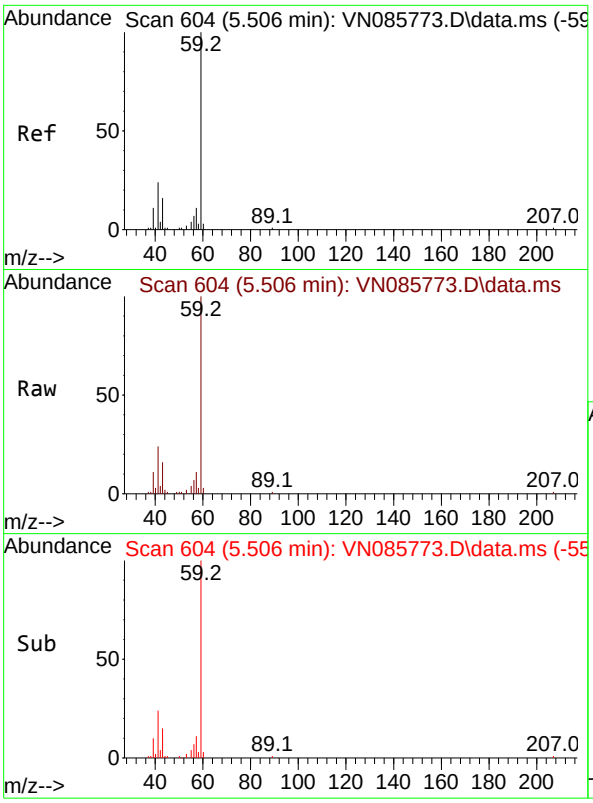


#10
Methyl Iodide
Concen: 48.452 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:142 Resp: 232889

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.6	56.4
141	14.3	11.4	17.2



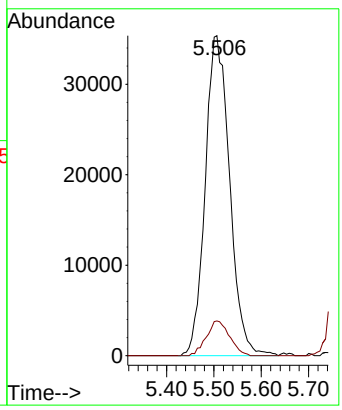


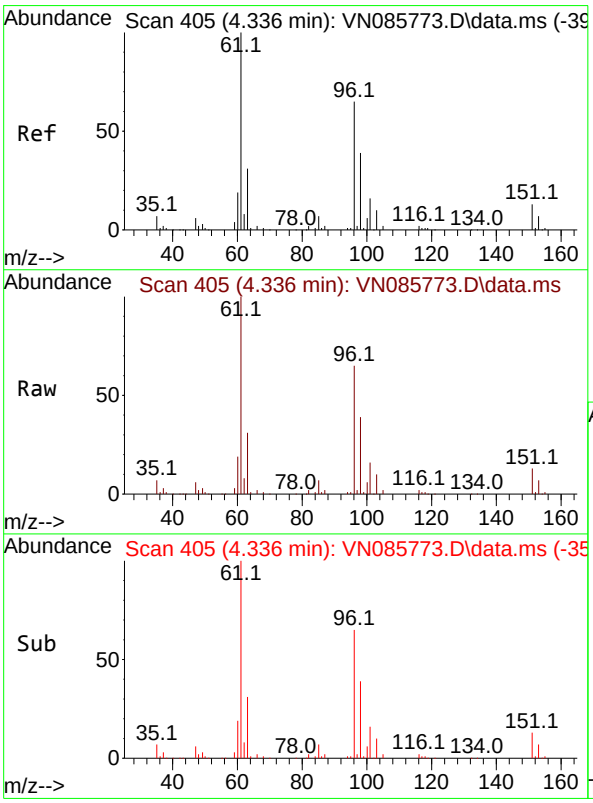
#11
Tert butyl alcohol
Concen: 246.136 ug/l
RT: 5.506 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 126538

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

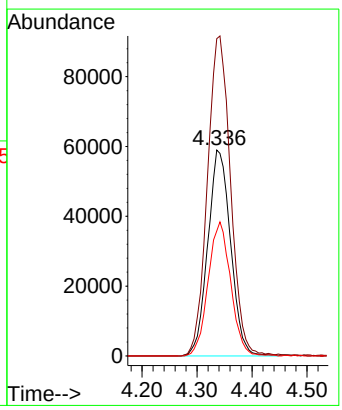


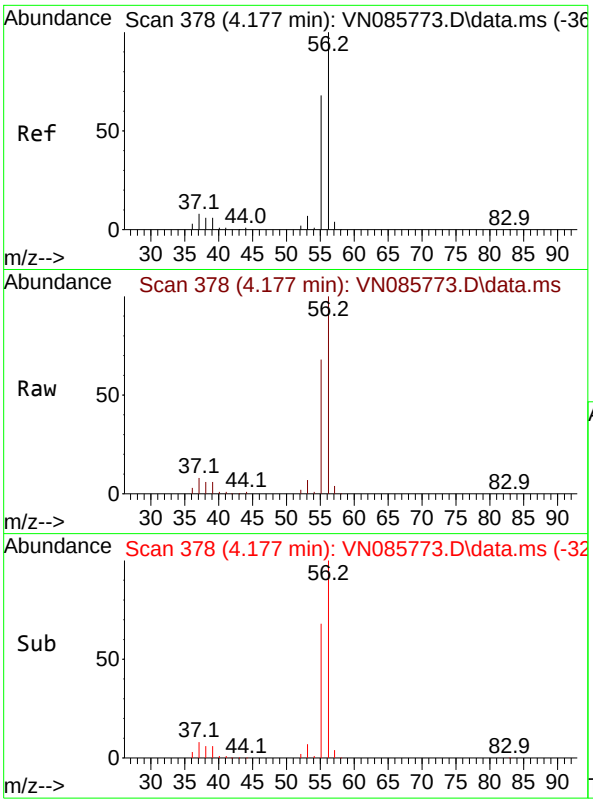


#12
1,1-Dichloroethene
Concen: 48.100 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 96 Resp: 170063

Ion	Ratio	Lower	Upper
96	100		
61	154.1	123.3	184.9
98	60.7	48.6	72.8



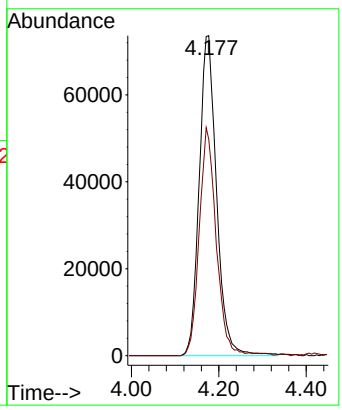


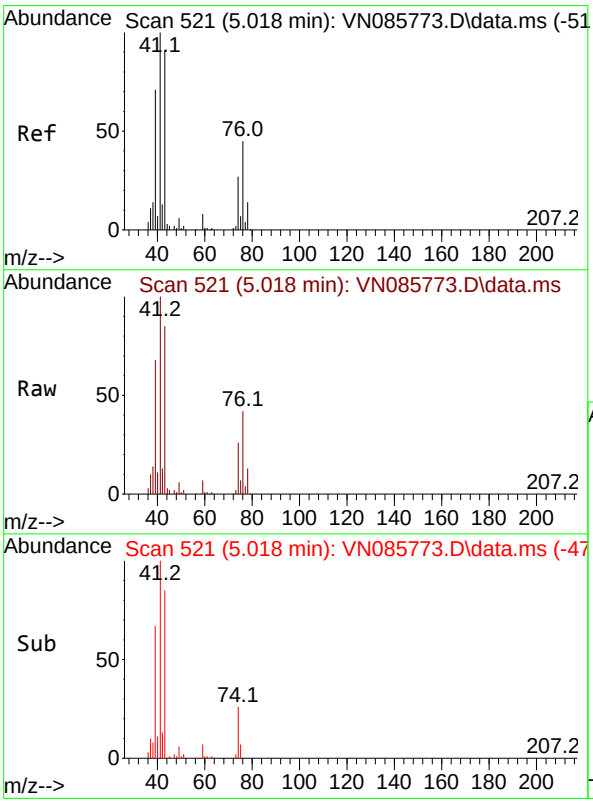
#13
Acrolein
Concen: 267.442 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 203891

Ion	Ratio	Lower	Upper
56	100		
55	69.1	55.3	82.9

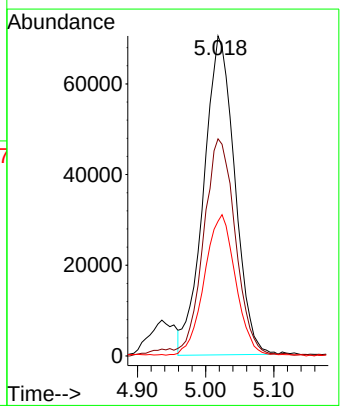


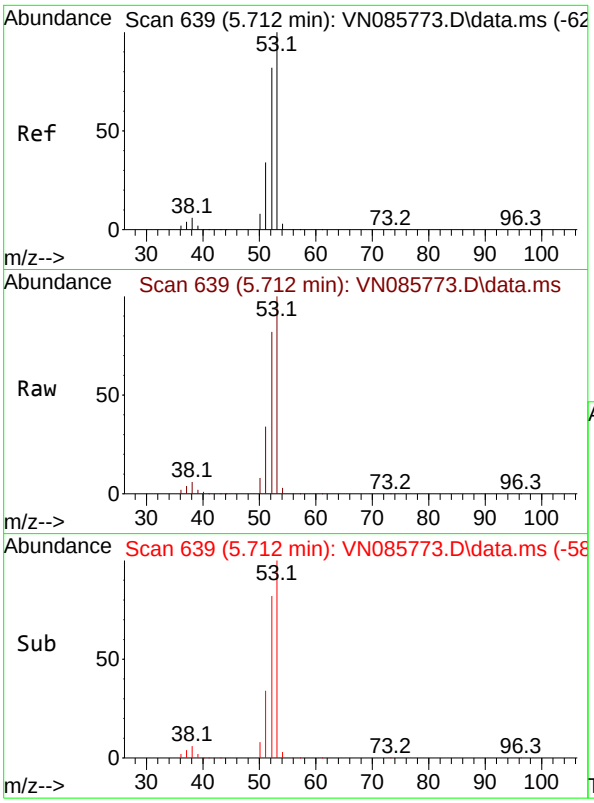


#14
Allyl chloride
Concen: 47.986 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 41 Resp: 222754

Ion	Ratio	Lower	Upper
41	100		
39	71.8	57.4	86.2
76	45.2	36.2	54.2



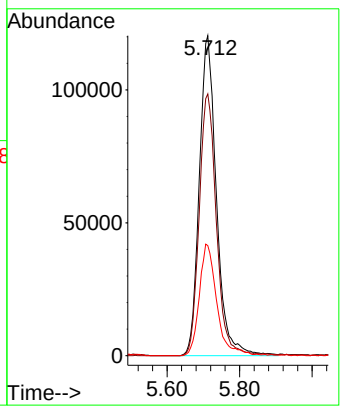


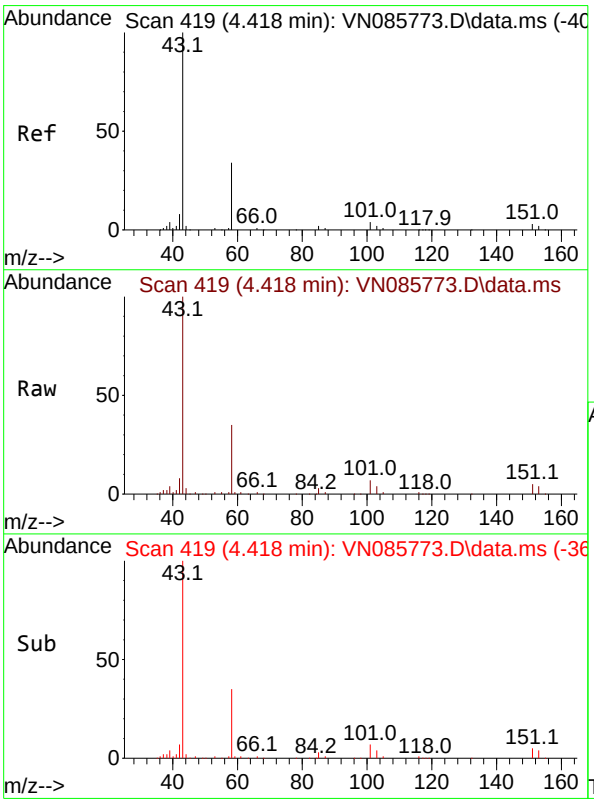
#15
Acrylonitrile
Concen: 236.130 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 394641

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.6
51	35.7	28.6	42.8

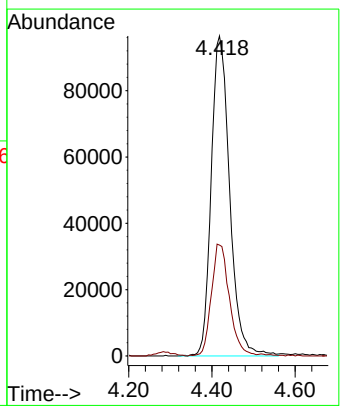


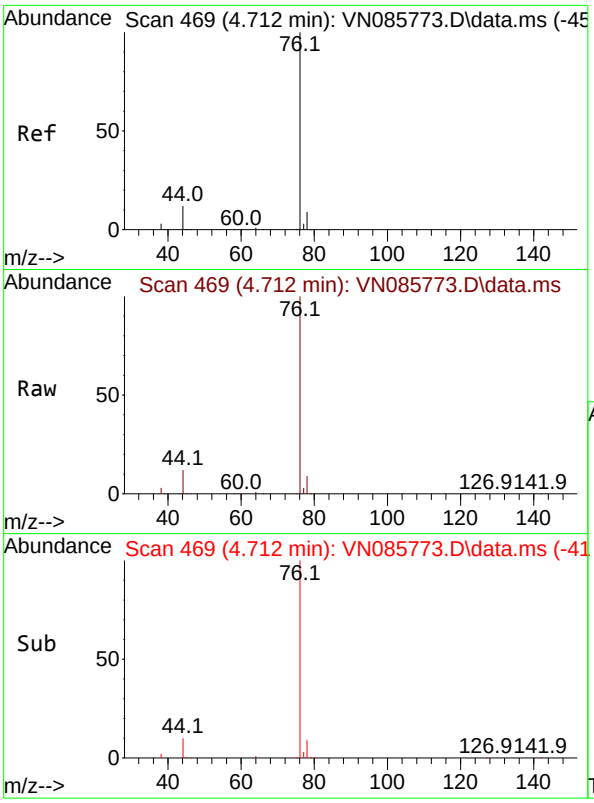


#16
Acetone
Concen: 224.691 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 297175

Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.5	41.3



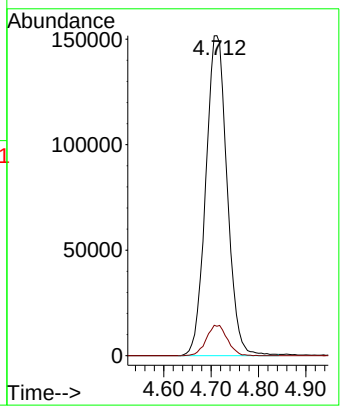


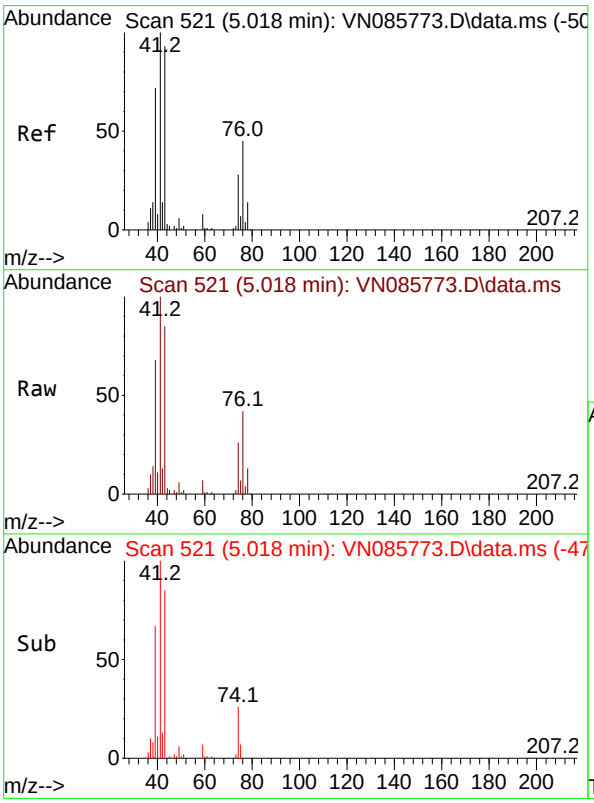
#17
Carbon Disulfide
Concen: 45.317 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 474860

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

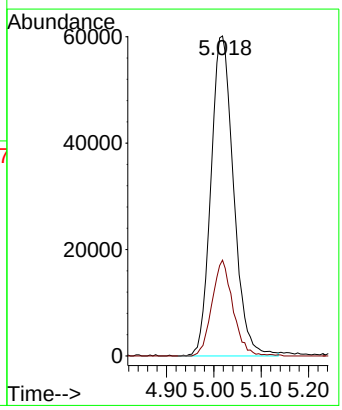


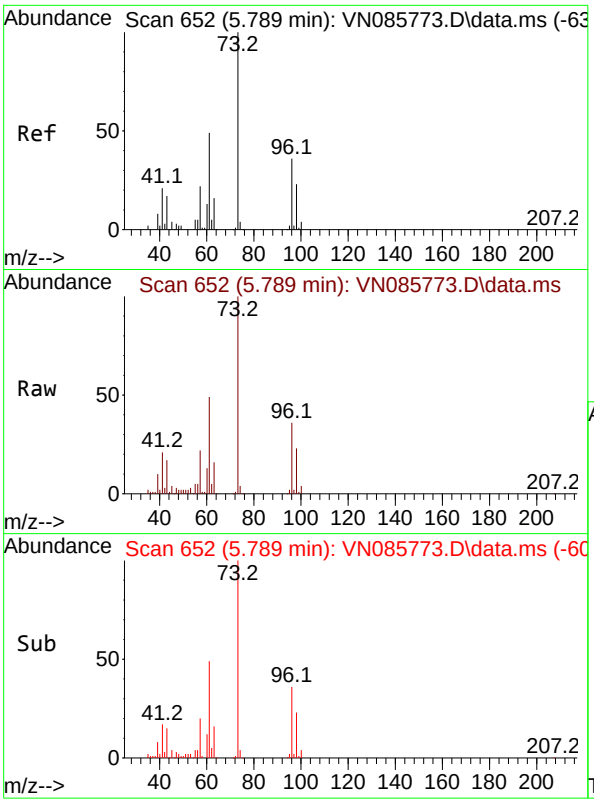


#18
Methyl Acetate
Concen: 43.846 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 199458

Ion	Ratio	Lower	Upper
43	100		
74	27.8	22.2	33.4



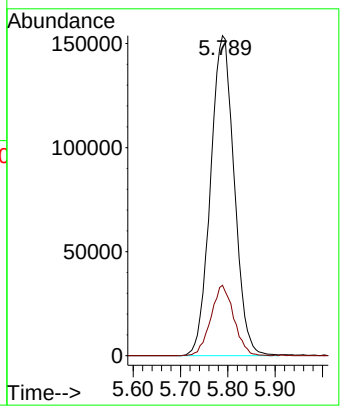


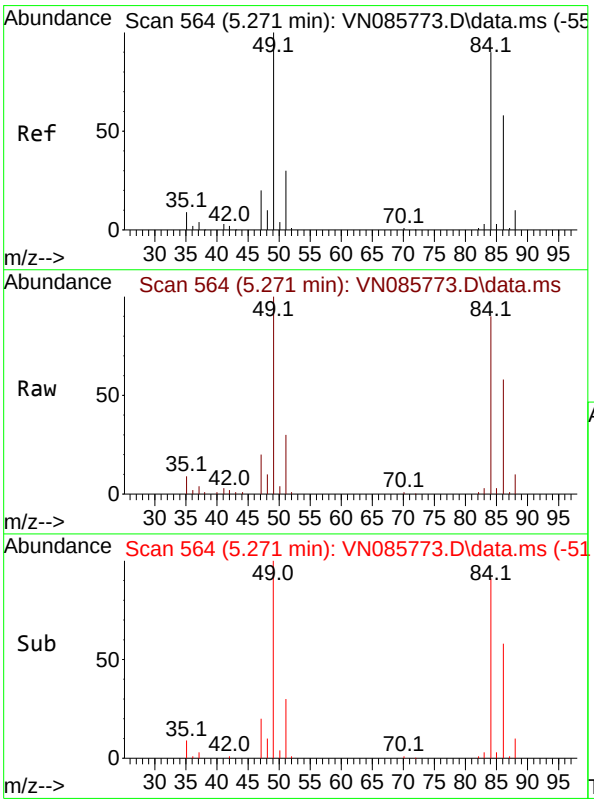
#19
Methyl tert-butyl Ether
Concen: 50.883 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 534589

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4

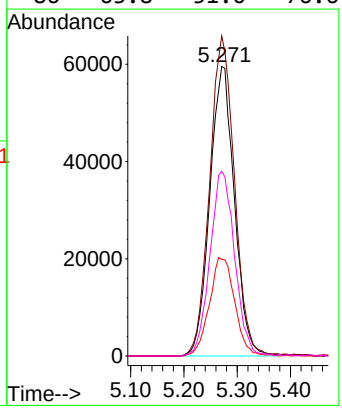


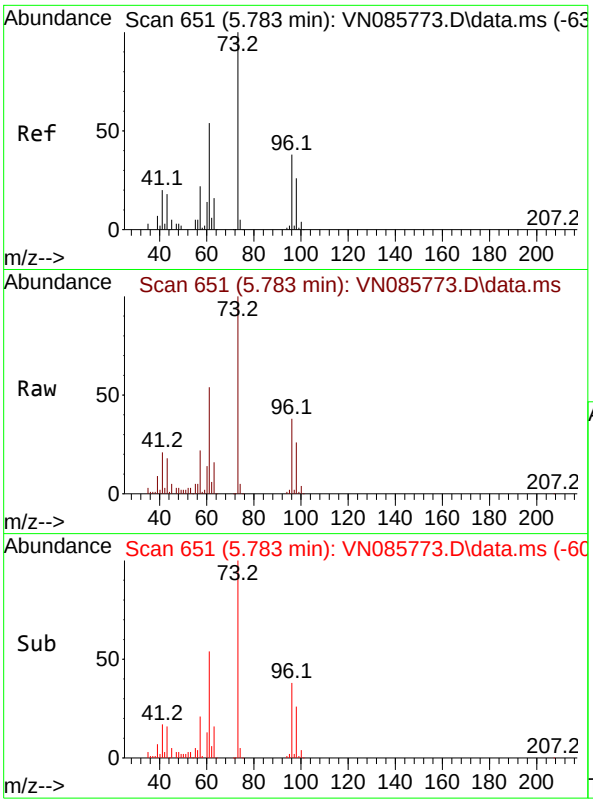


#20
Methylene Chloride
Concen: 44.929 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 84 Resp: 191098

Ion	Ratio	Lower	Upper
84	100		
49	110.5	88.4	132.6
51	33.3	26.6	40.0
86	63.8	51.0	76.6



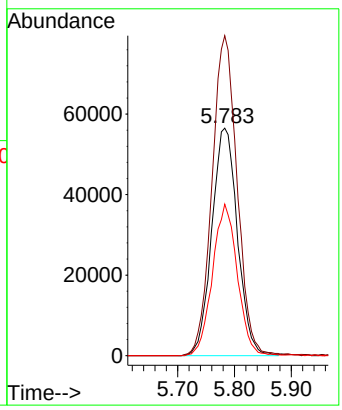


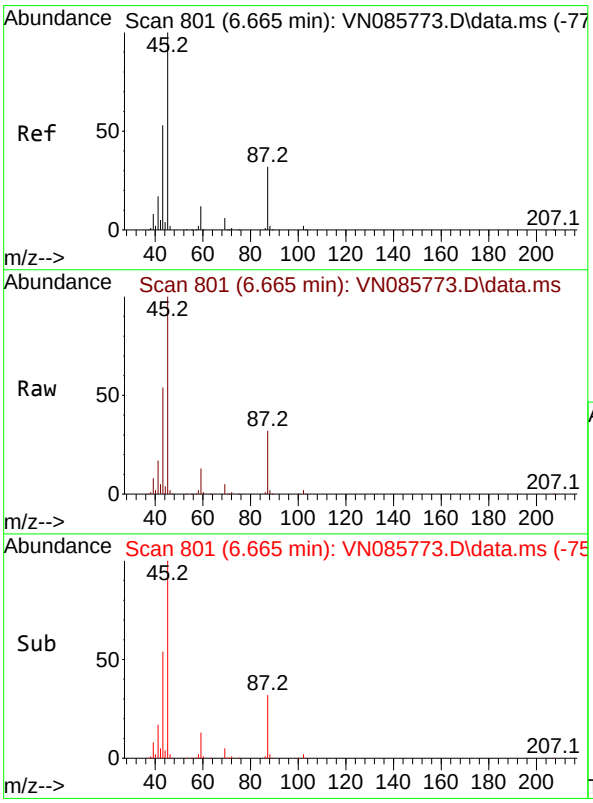
#21
trans-1,2-Dichloroethene
Concen: 46.486 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 176973

Ion	Ratio	Lower	Upper
96	100		
61	140.7	112.6	168.8
98	66.6	53.3	79.9

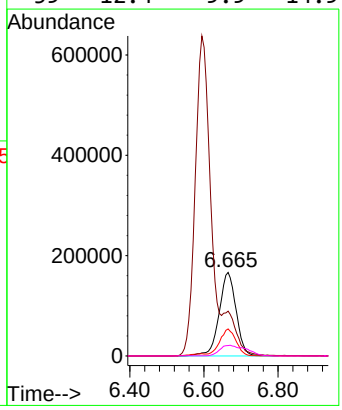


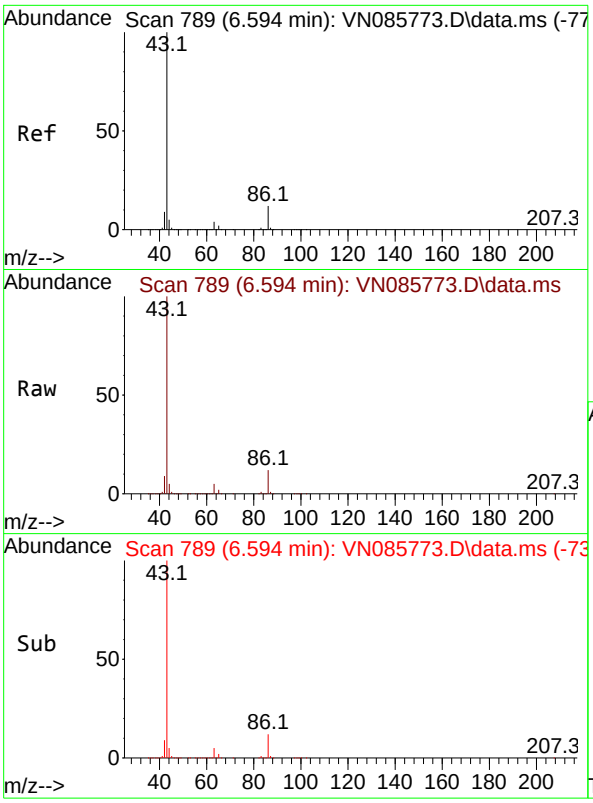


#22
Diisopropyl ether
Concen: 50.512 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 45 Resp: 529828

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.6	64.0
87	32.3	25.8	38.8
59	12.4	9.9	14.9



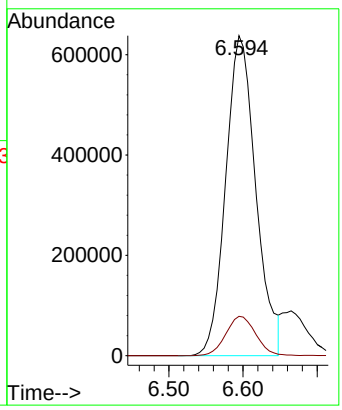


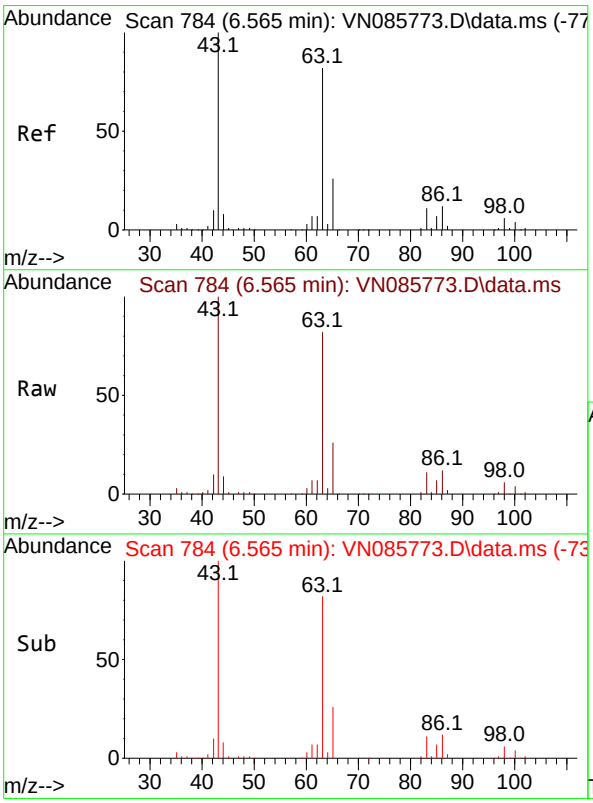
#23
Vinyl Acetate
Concen: 251.727 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1802342

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.8	14.8

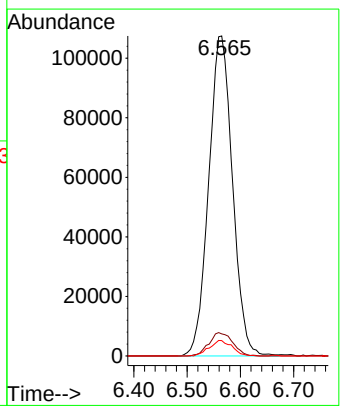


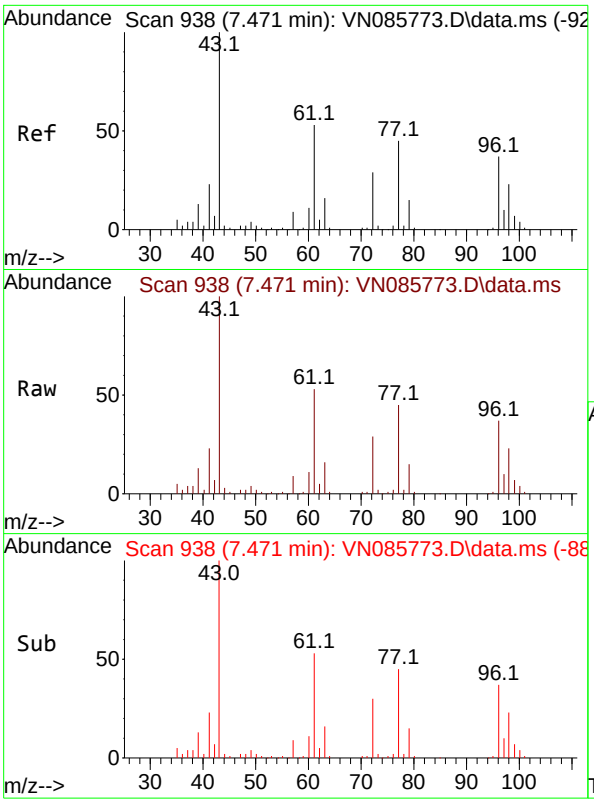


#24
1,1-Dichloroethane
Concen: 46.781 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 63 Resp: 333567

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	4.8	2.4	7.2



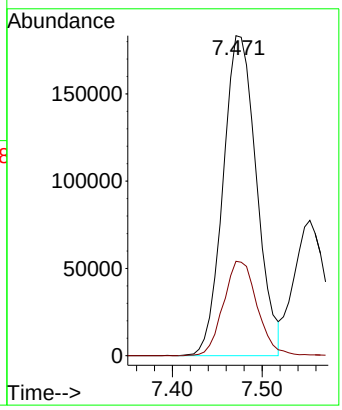


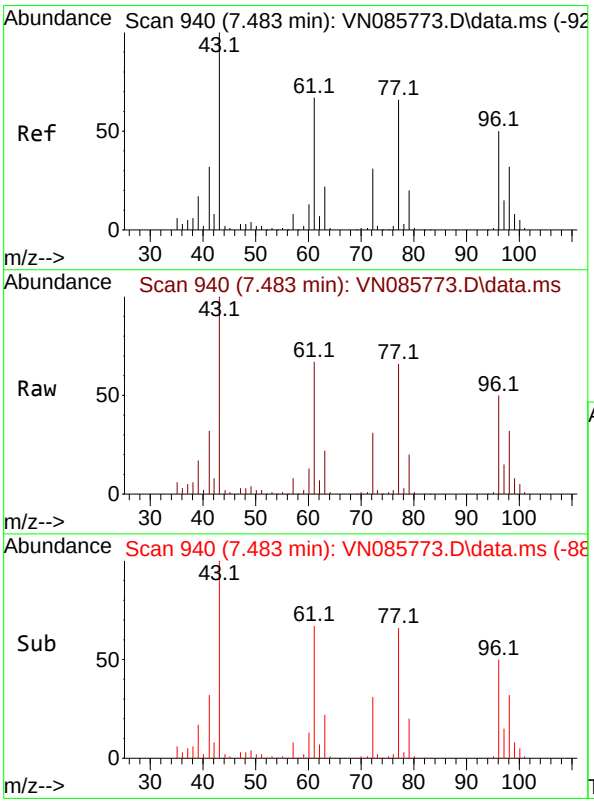
#25
2-Butanone
Concen: 243.893 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 474562

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.6	35.4

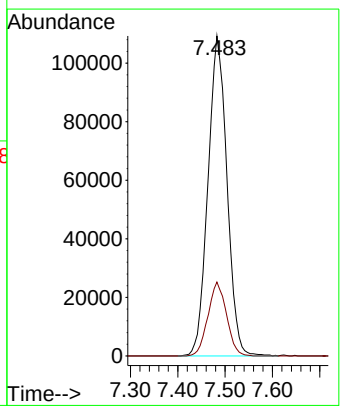


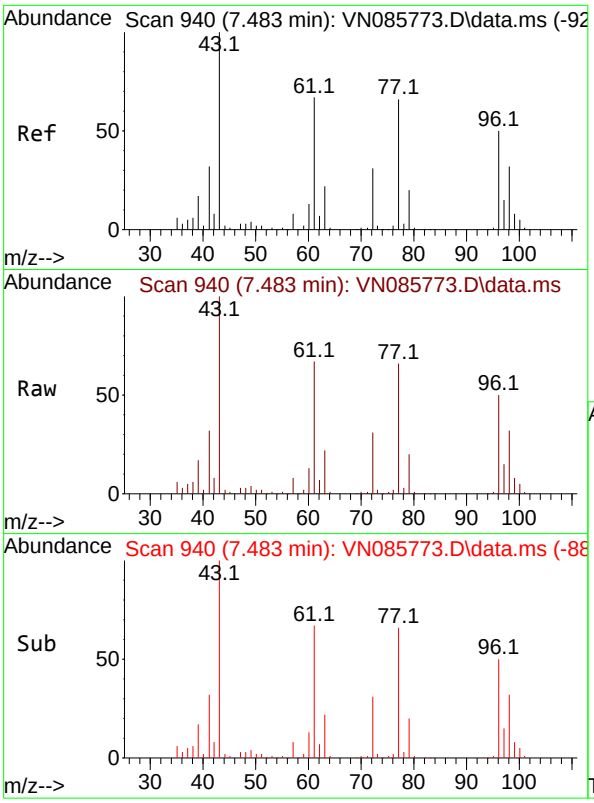


#26
2,2-Dichloropropane
Concen: 48.079 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 77 Resp: 304840

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.3	33.8



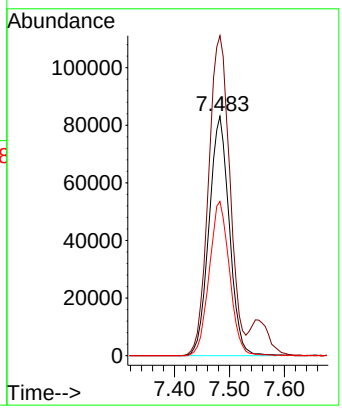


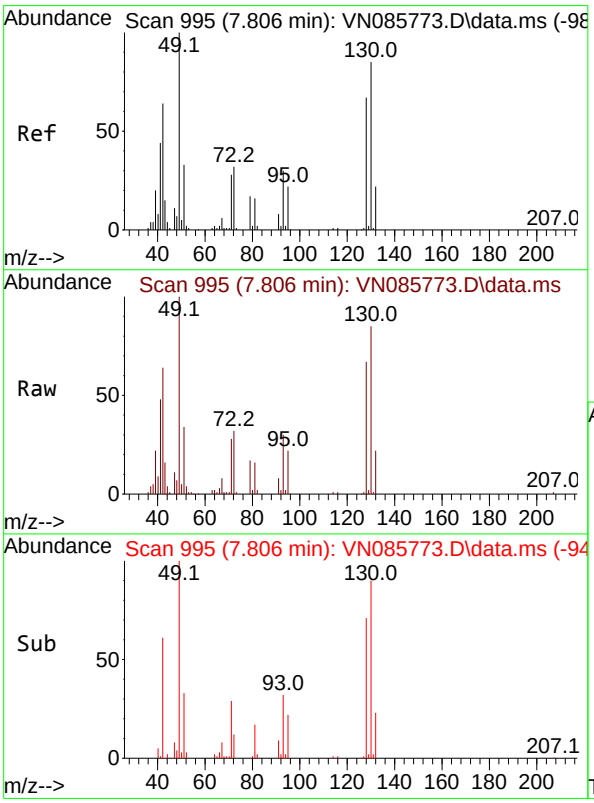
#27
cis-1,2-Dichloroethene
Concen: 48.306 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 213235

Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	280.6
98	64.3	0.0	128.6

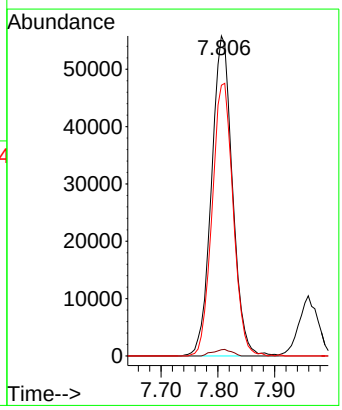


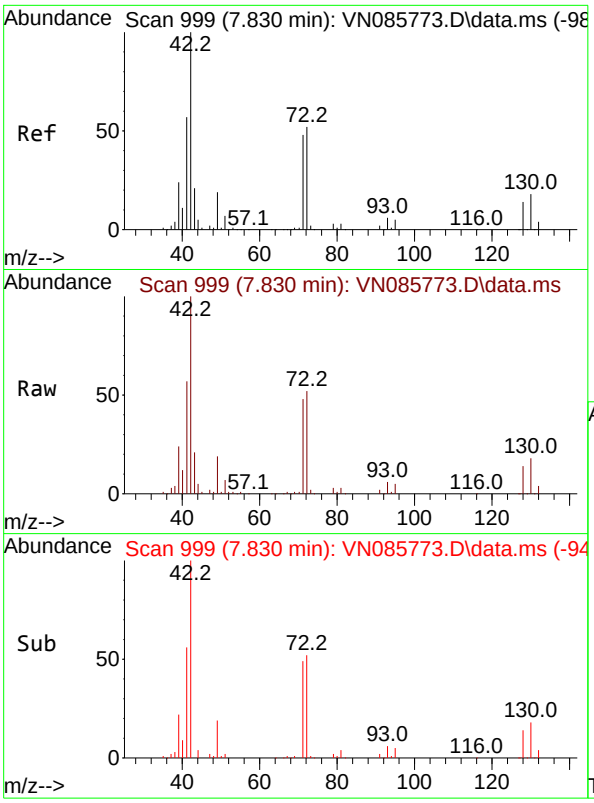


#28
Bromochloromethane
Concen: 48.888 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 49 Resp: 143276

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	85.0	68.0	102.0



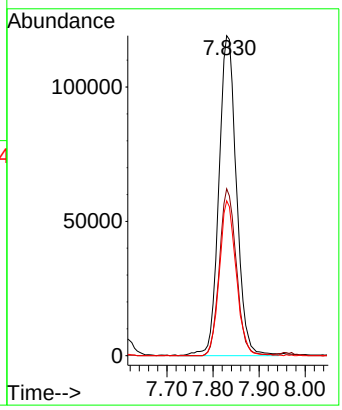


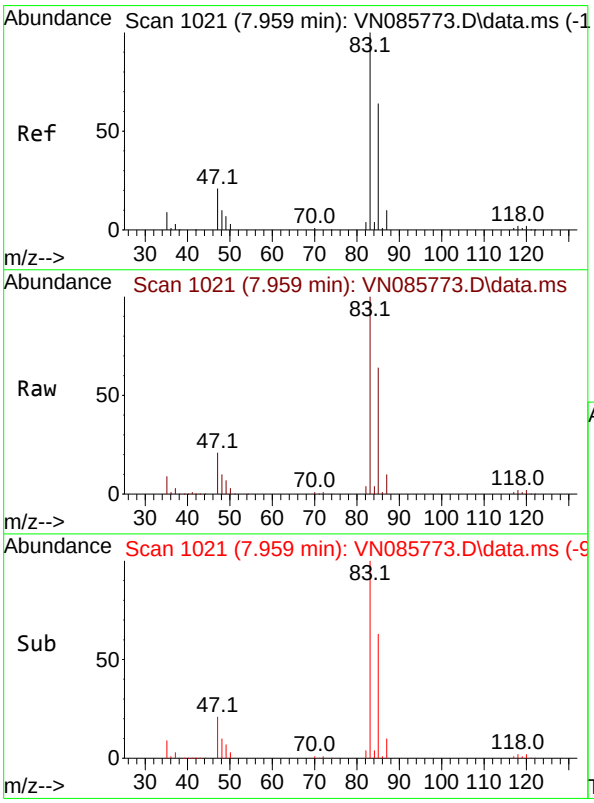
#29
Tetrahydrofuran
Concen: 250.894 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 315243

Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.0	60.0
71	46.2	37.0	55.4

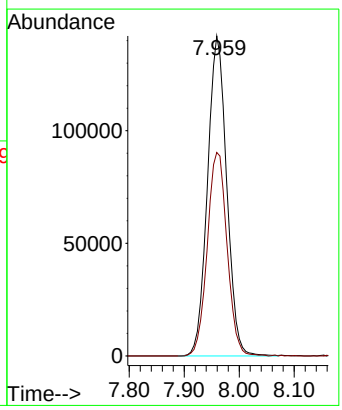


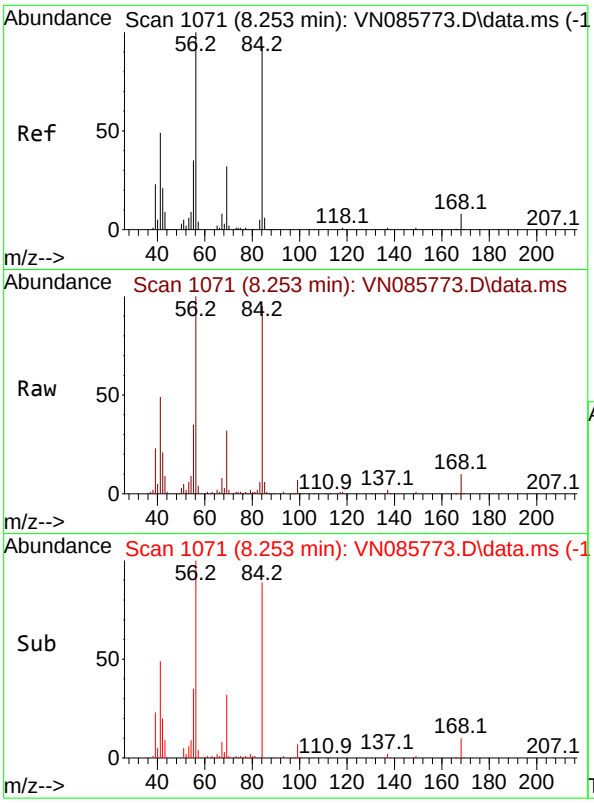


#30
Chloroform
Concen: 46.278 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 83 Resp: 344841

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3



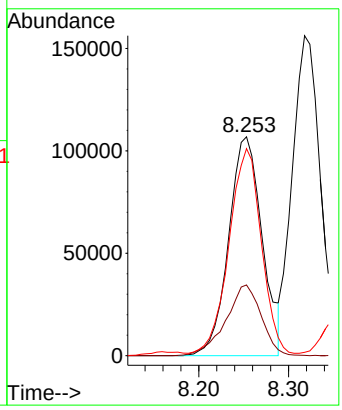


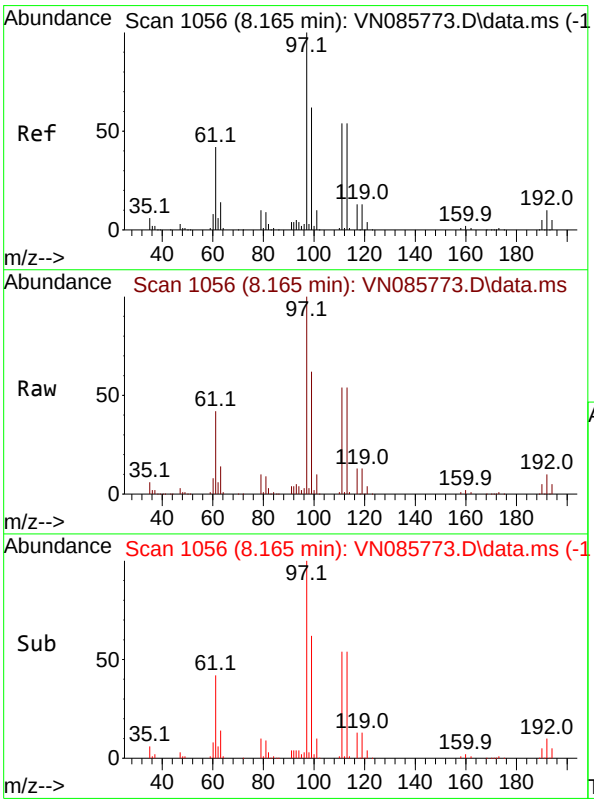
#31
Cyclohexane
Concen: 46.440 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 277254

Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	93.1	74.5	111.7

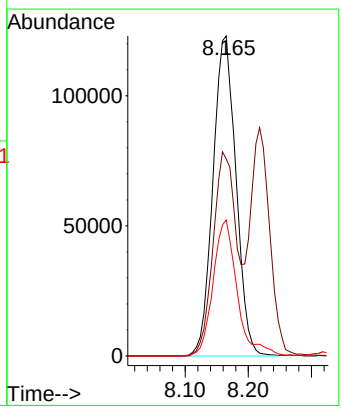


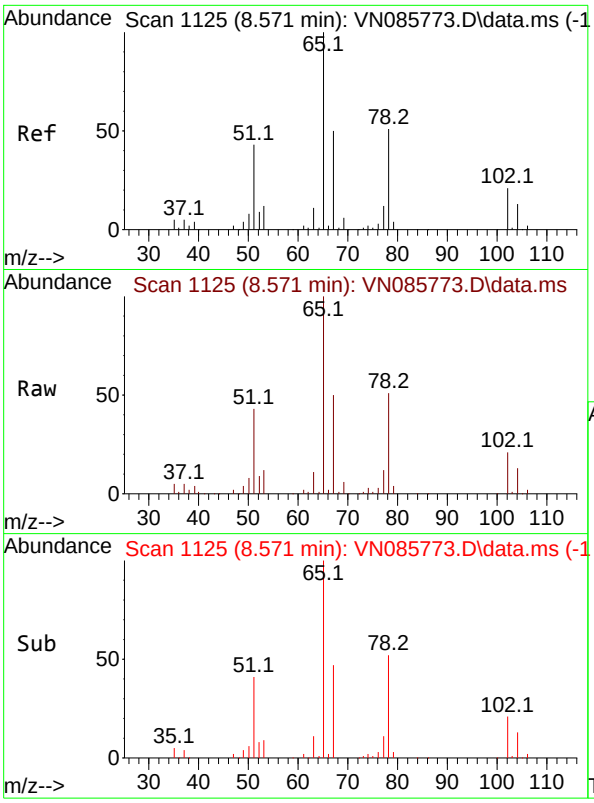


#32
1,1,1-Trichloroethane
Concen: 47.030 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 97 Resp: 311700

Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.4	75.6
61	44.4	35.5	53.3



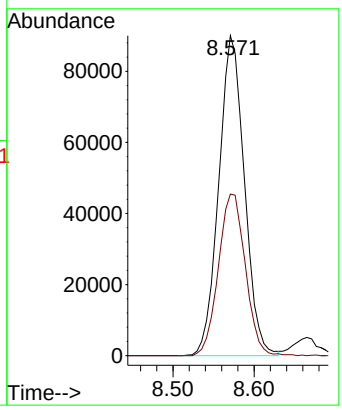


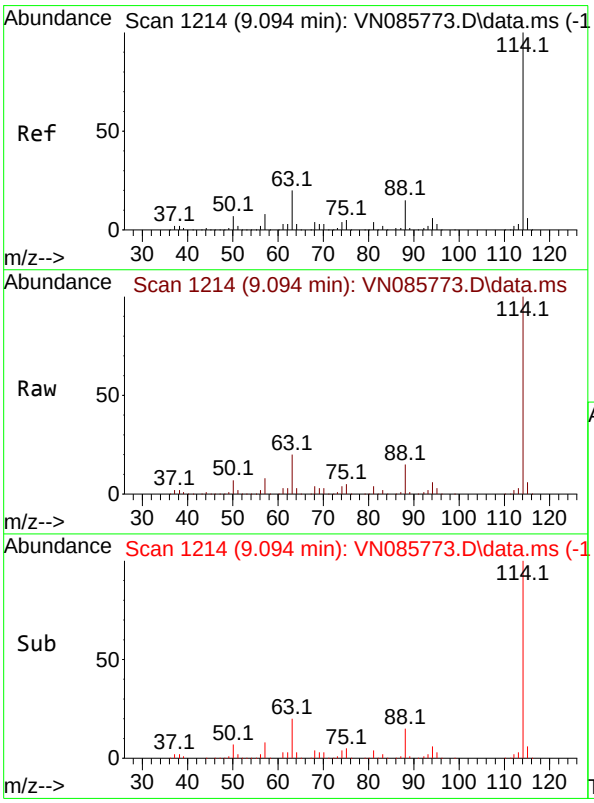
#33
1,2-Dichloroethane-d4
Concen: 47.304 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 197726

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

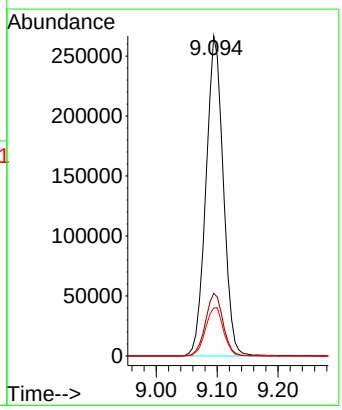


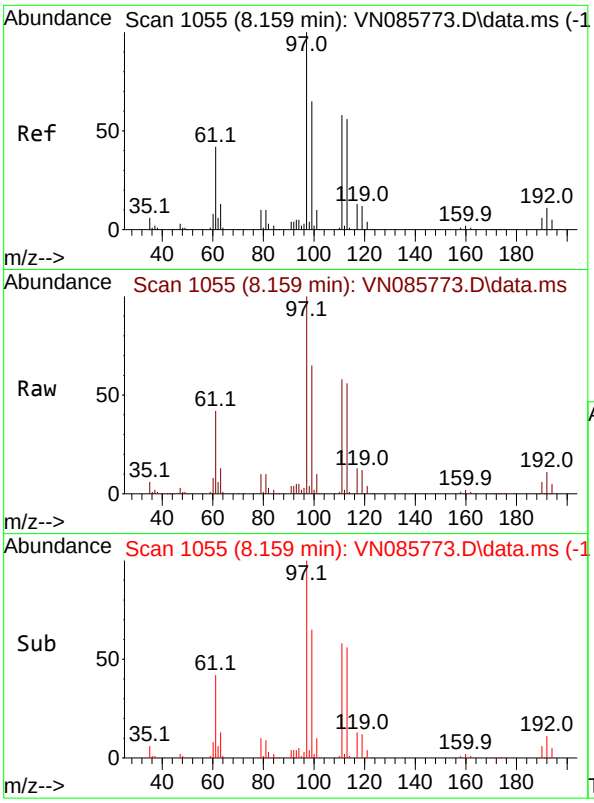


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:114 Resp: 526945

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.2
88	15.0	0.0	30.0



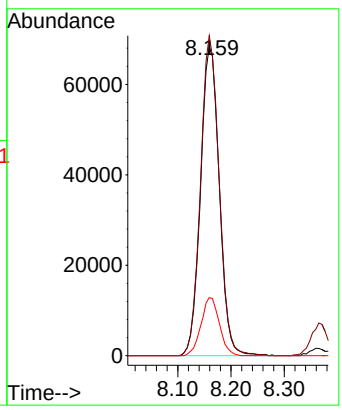


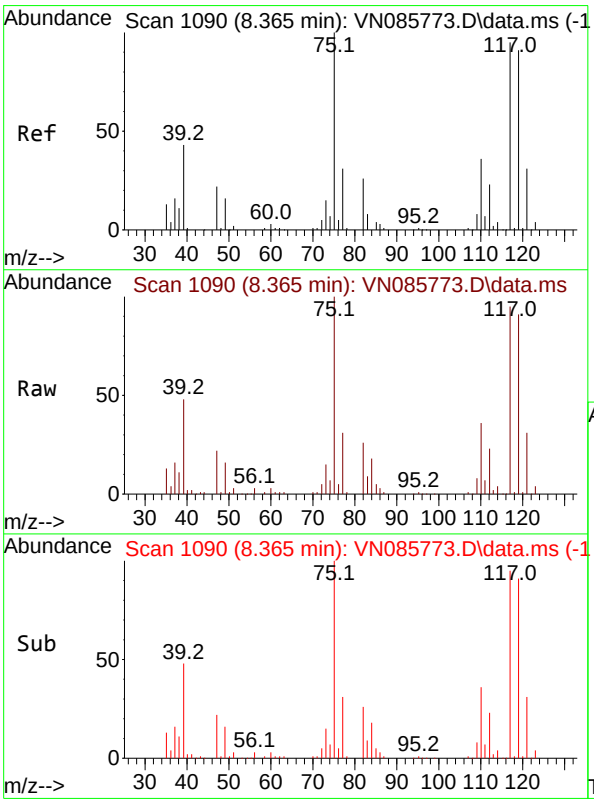
#35
Dibromofluoromethane
Concen: 48.447 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 167050

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	18.4	14.7	22.1

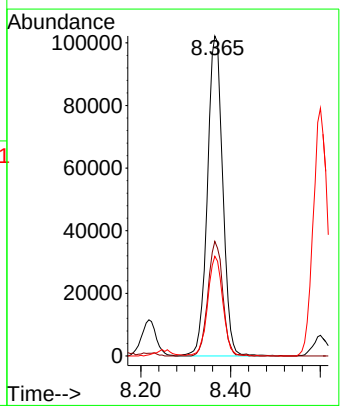


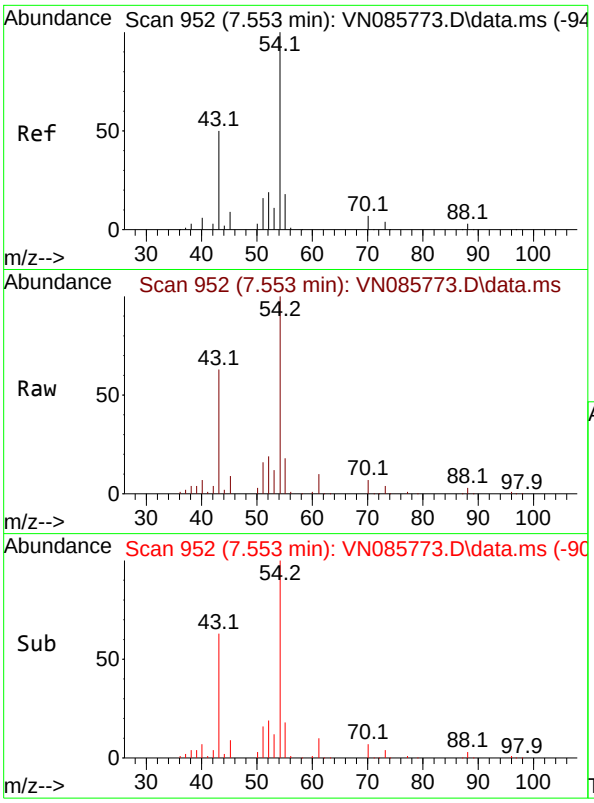


#36
1,1-Dichloropropene
Concen: 49.620 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 242144

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.3	52.0
77	30.8	24.6	37.0



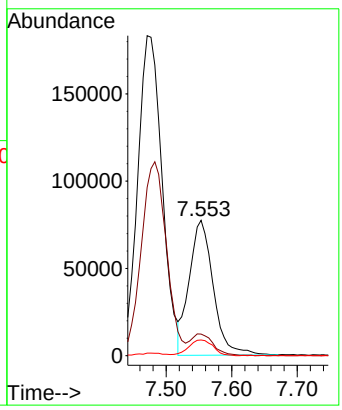


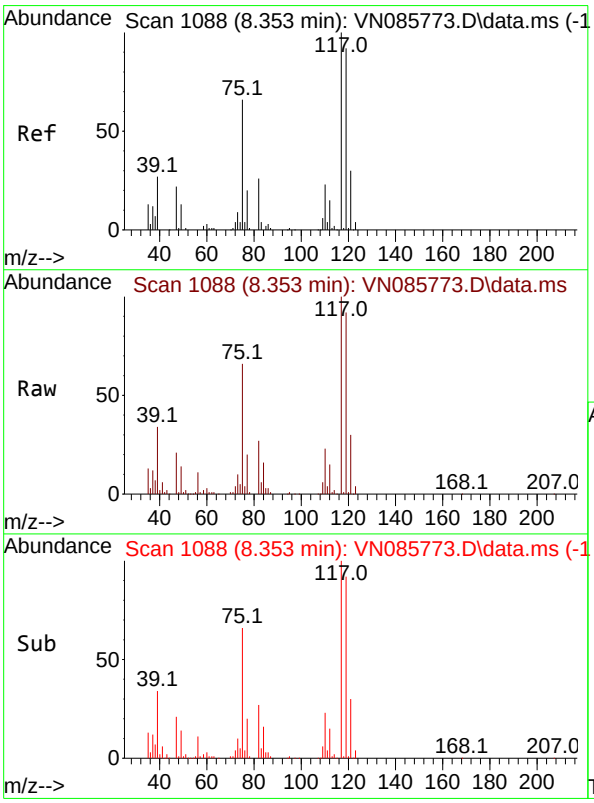
#37
Ethyl Acetate
Concen: 49.206 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 197609

Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	11.9	9.5	14.3

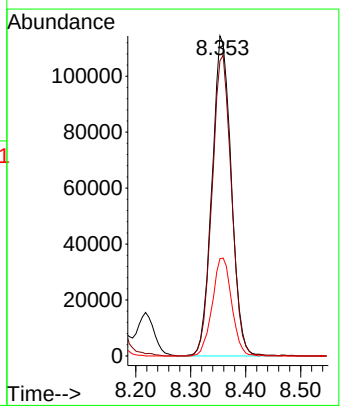


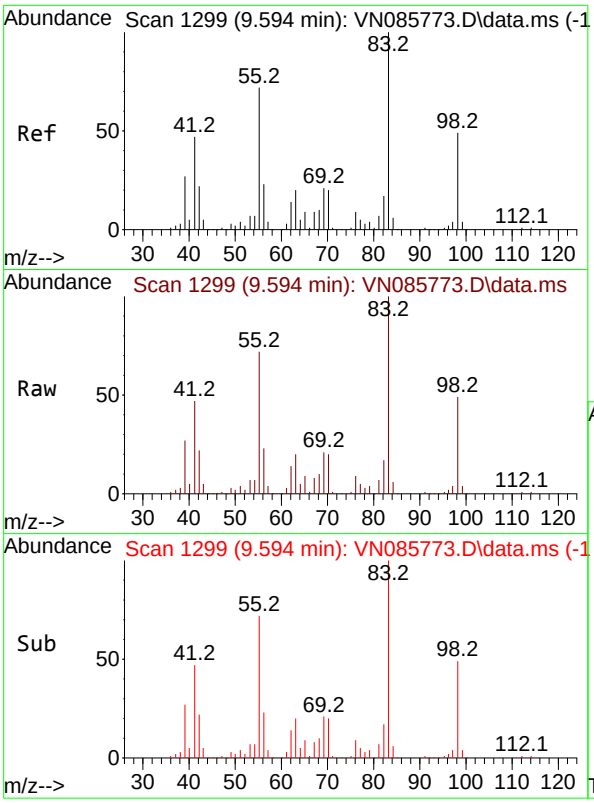


#38
Carbon Tetrachloride
Concen: 47.997 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:117 Resp: 278306

Ion	Ratio	Lower	Upper
117	100		
119	92.2	73.8	110.6
121	30.4	24.3	36.5



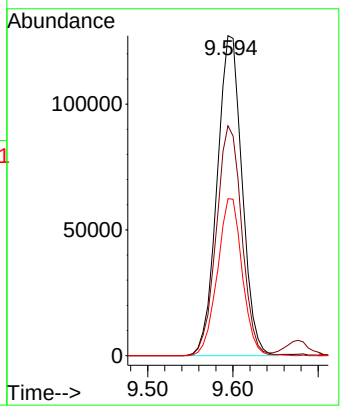


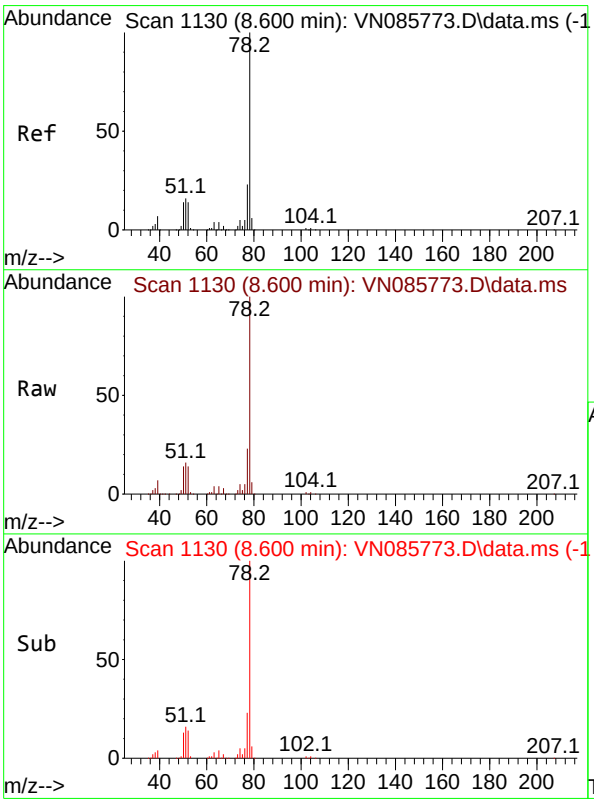
#39
Methylcyclohexane
Concen: 54.085 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 259289

Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.5	86.3
98	49.0	39.2	58.8

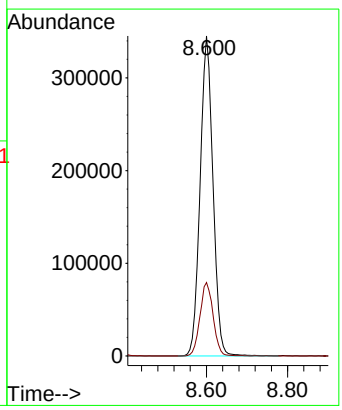


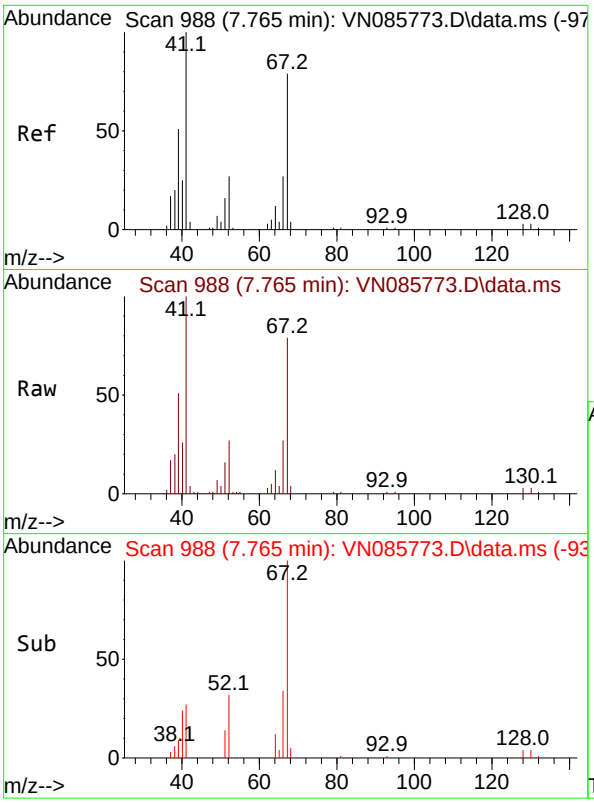


#40
Benzene
Concen: 48.551 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 78 Resp: 759363

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5



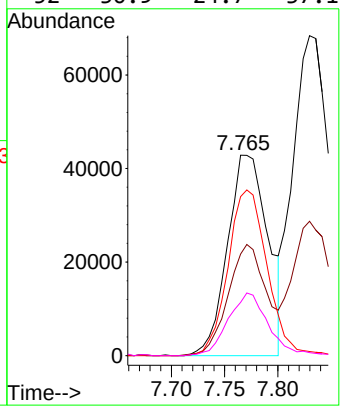


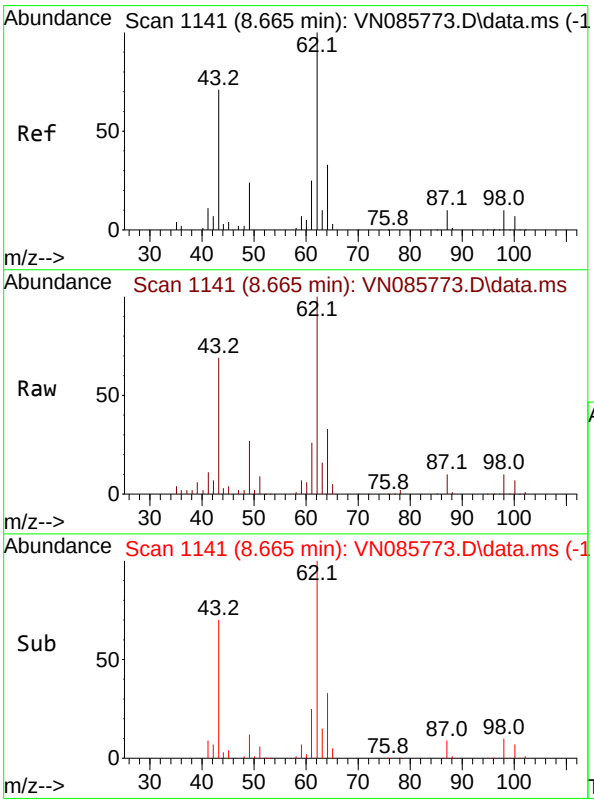
#41
Methacrylonitrile
Concen: 52.901 ug/l
RT: 7.765 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 113568

Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.0	63.0
67	80.3	64.2	96.4
52	30.9	24.7	37.1

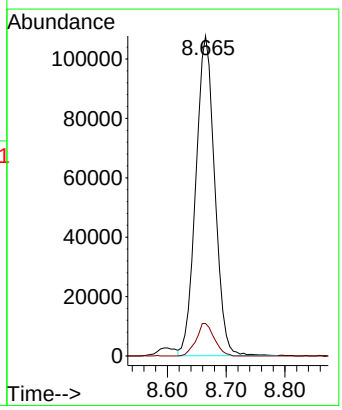


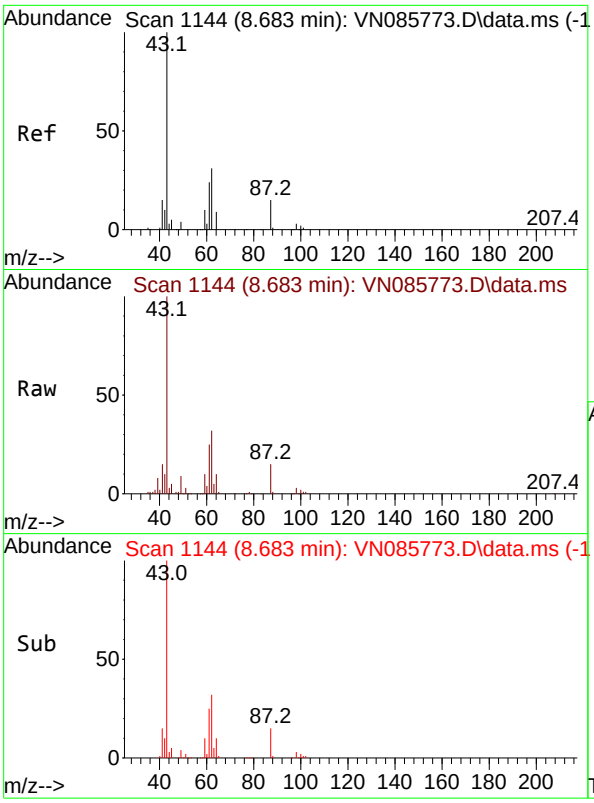


#42
1,2-Dichloroethane
Concen: 47.132 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 62 Resp: 240115

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6



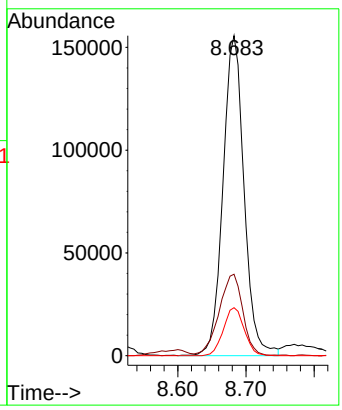


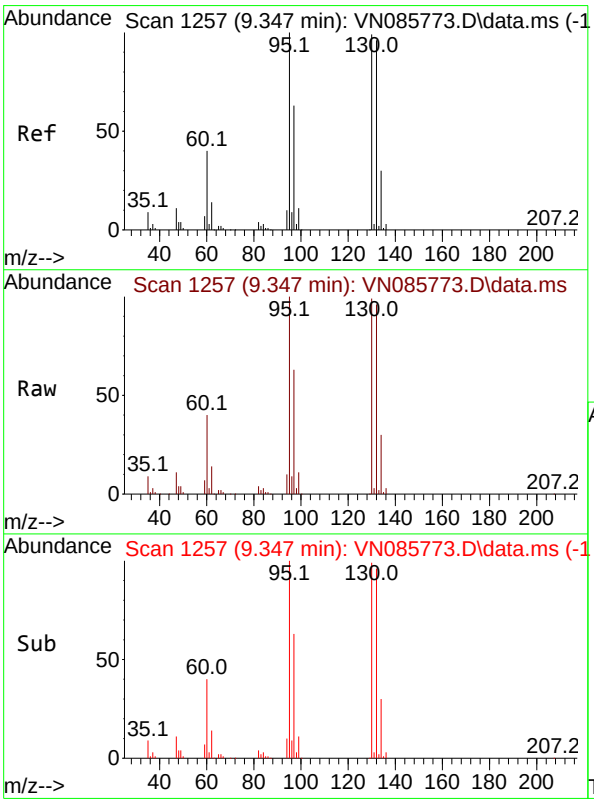
#43
Isopropyl Acetate
Concen: 47.574 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 335482

Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.6	34.0
87	14.8	11.8	17.8

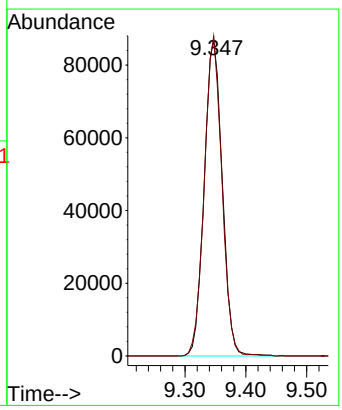


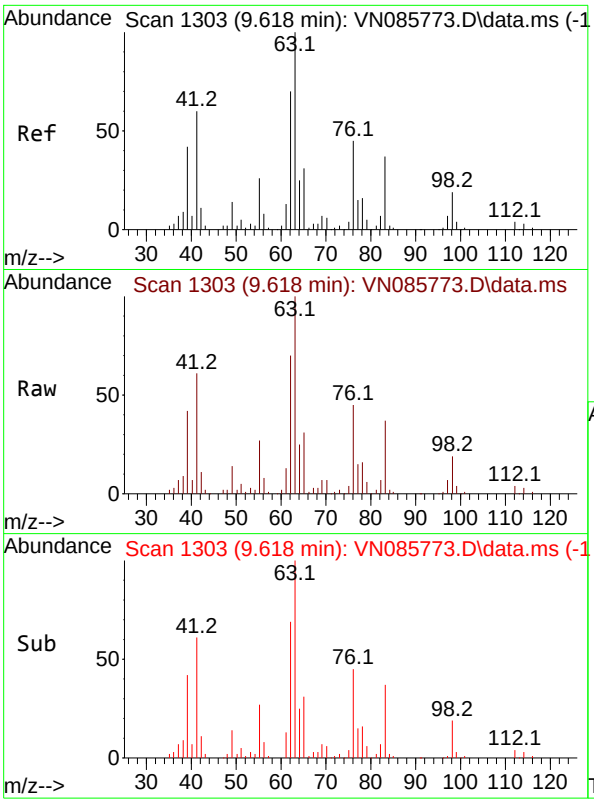


#44
Trichloroethene
Concen: 46.544 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:130 Resp: 178742

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	202.6



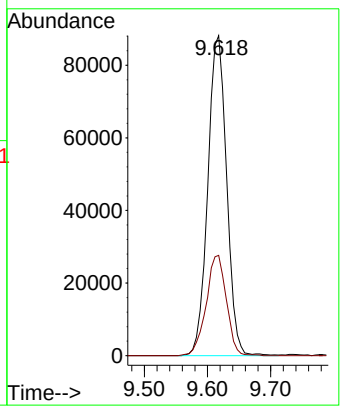


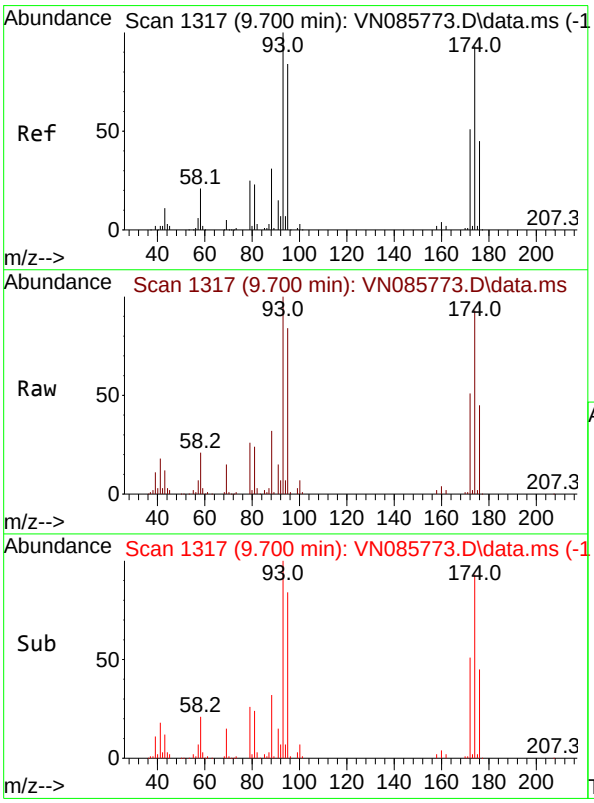
#45
1,2-Dichloropropane
Concen: 48.379 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 182649

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7

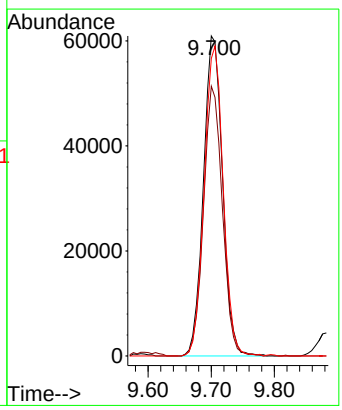


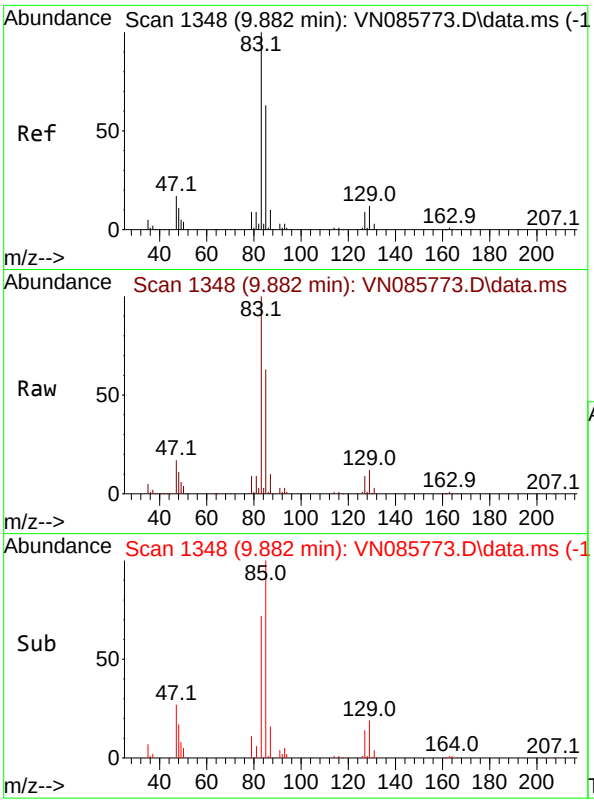


#46
Dibromomethane
Concen: 48.010 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 93 Resp: 127850

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	96.5	77.2	115.8



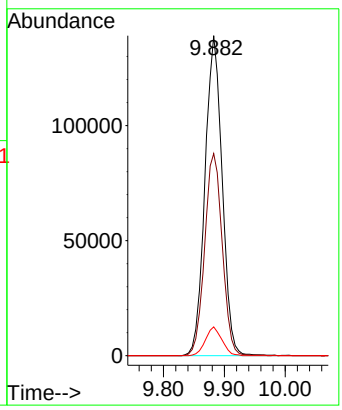


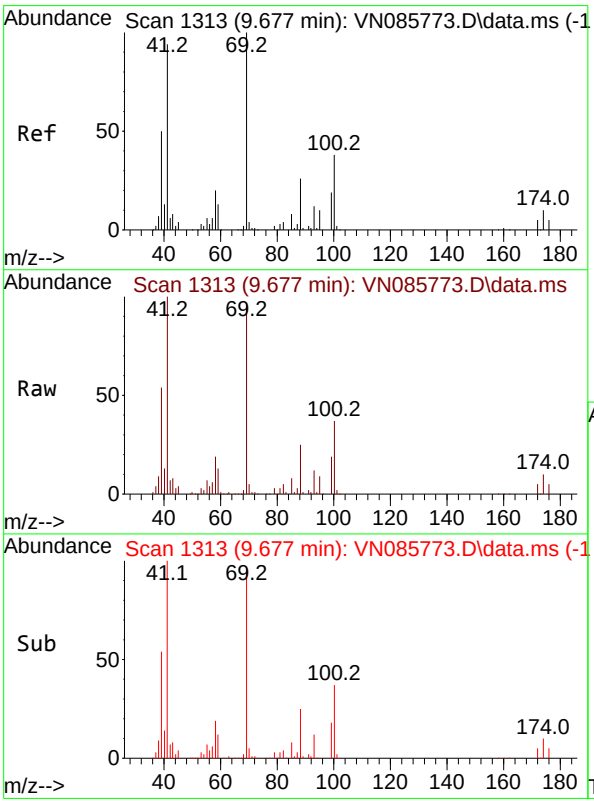
#47
Bromodichloromethane
Concen: 47.901 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 272912

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	9.0	7.2	10.8

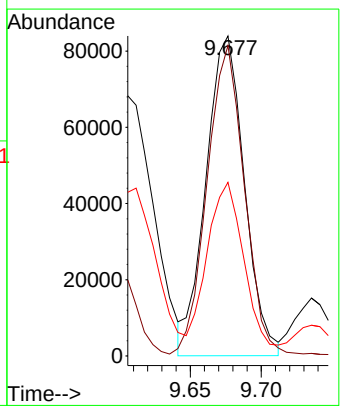


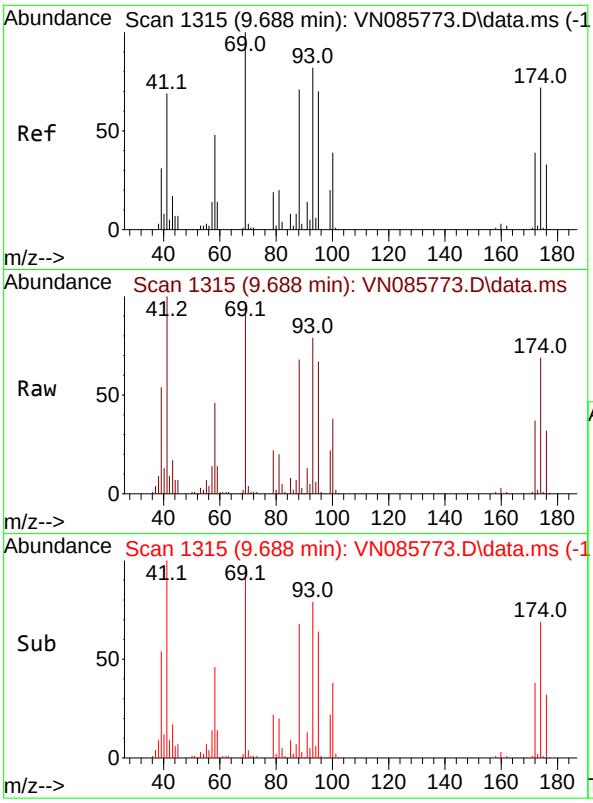


#48
Methyl methacrylate
Concen: 53.102 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 41 Resp: 158375

Ion	Ratio	Lower	Upper
41	100		
69	95.0	76.0	114.0
39	52.9	42.3	63.5



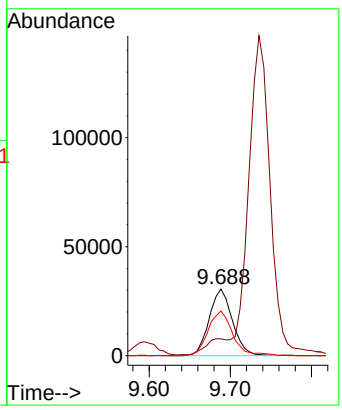


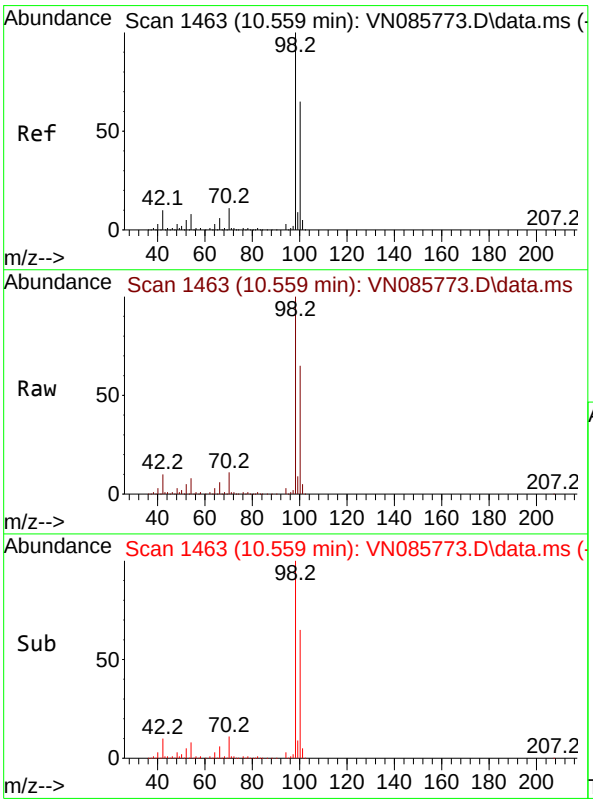
#49
1,4-Dioxane
Concen: 1071.301 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 60759

Ion	Ratio	Lower	Upper
88	100		
43	23.2	18.6	27.8
58	70.9	56.7	85.1

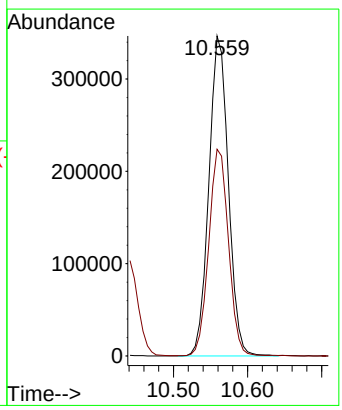


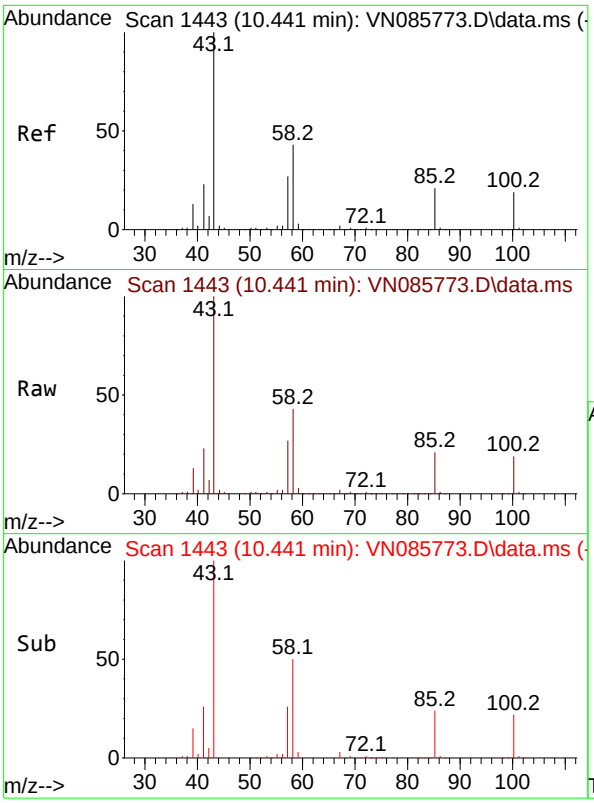


#50
Toluene-d8
Concen: 50.380 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 98 Resp: 632021

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



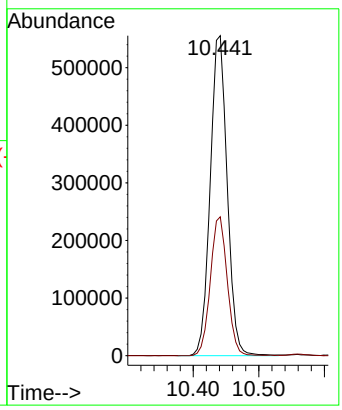


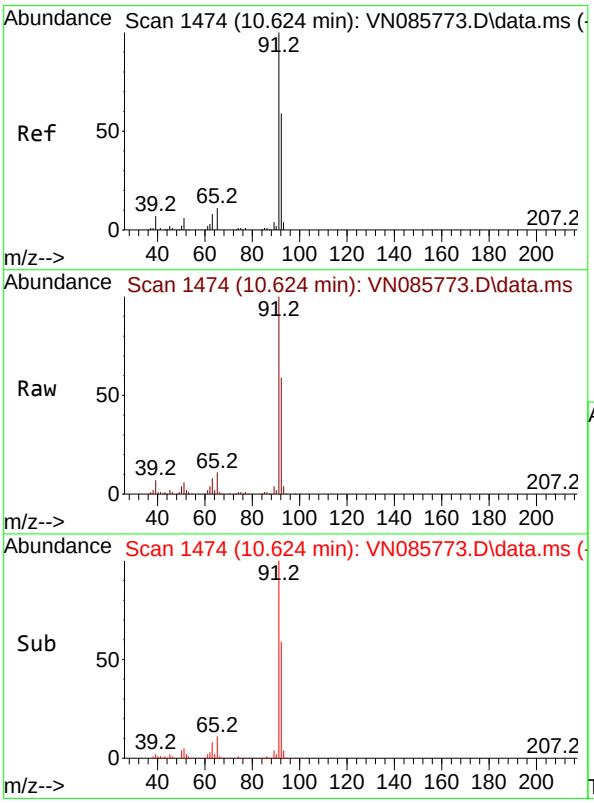
#51
4-Methyl-2-Pentanone
Concen: 257.731 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 997906

Ion	Ratio	Lower	Upper
43	100		
58	43.3	34.6	52.0

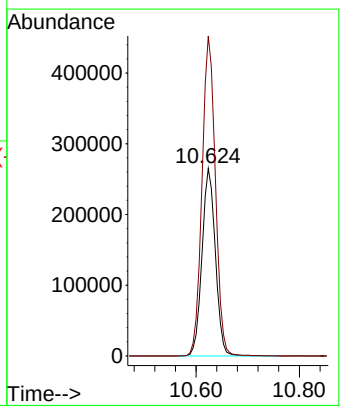


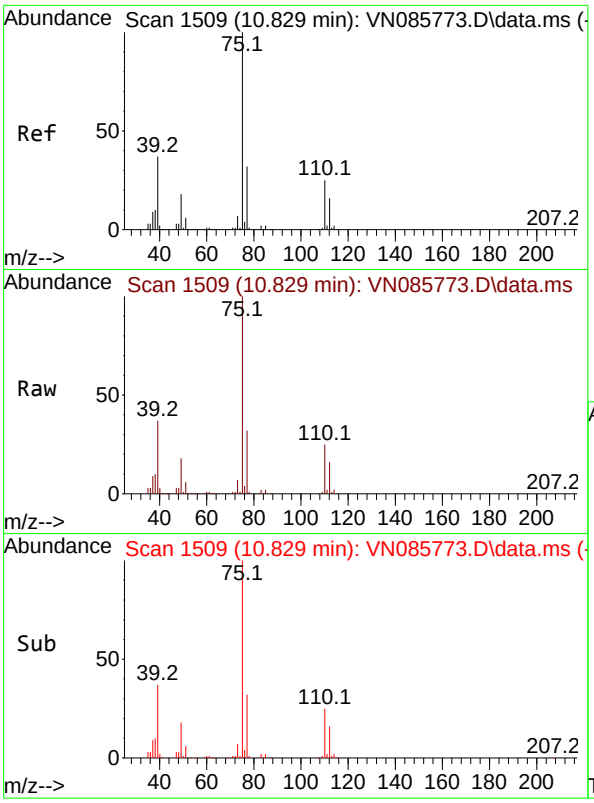


#52
Toluene
Concen: 51.816 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 92 Resp: 475069

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.9	205.3



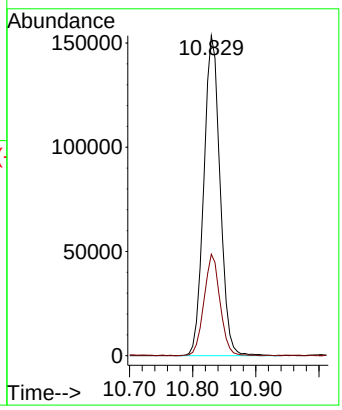


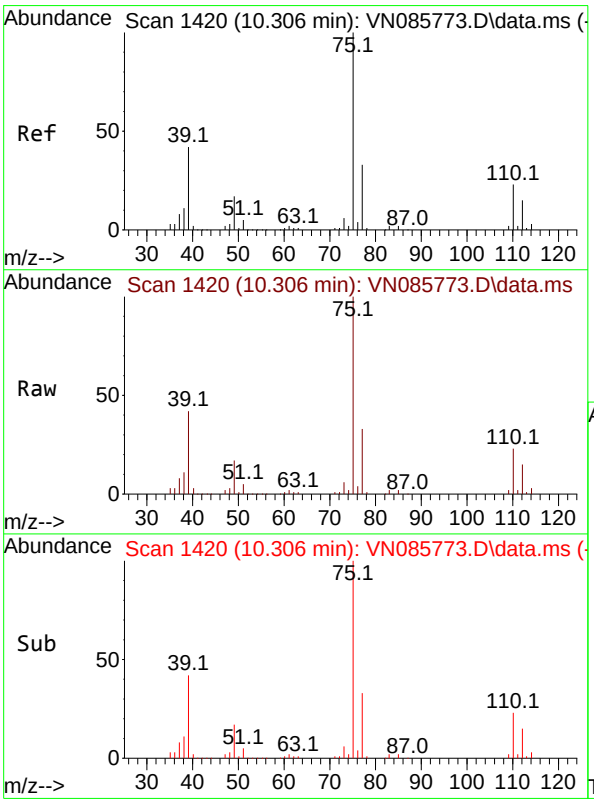
#53
t-1,3-Dichloropropene
Concen: 52.159 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 274791

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

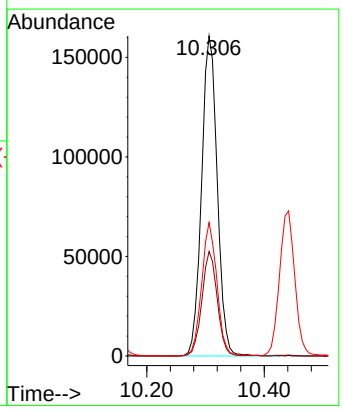


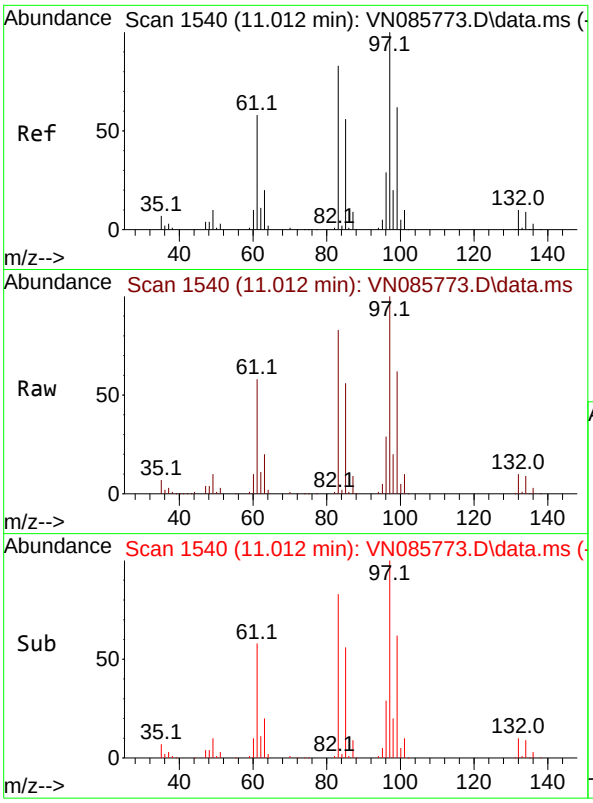


#54
cis-1,3-Dichloropropene
Concen: 51.646 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 298359

Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.1	39.1
39	41.7	33.4	50.0



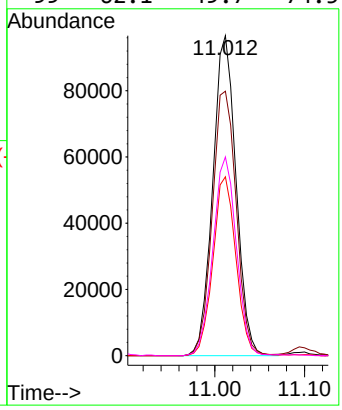


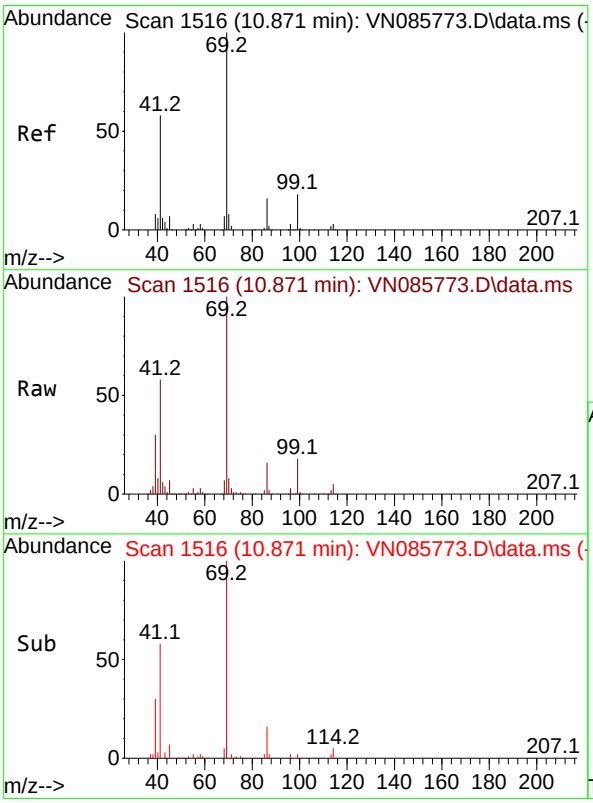
#55
1,1,2-Trichloroethane
Concen: 47.788 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 174198

Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.1	99.1
85	55.9	44.7	67.1
99	62.1	49.7	74.5

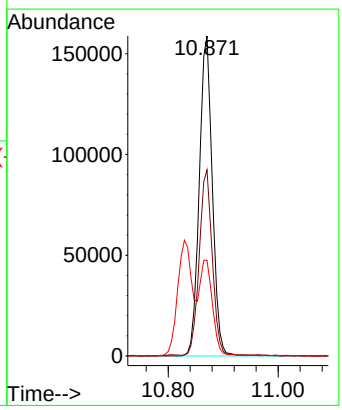


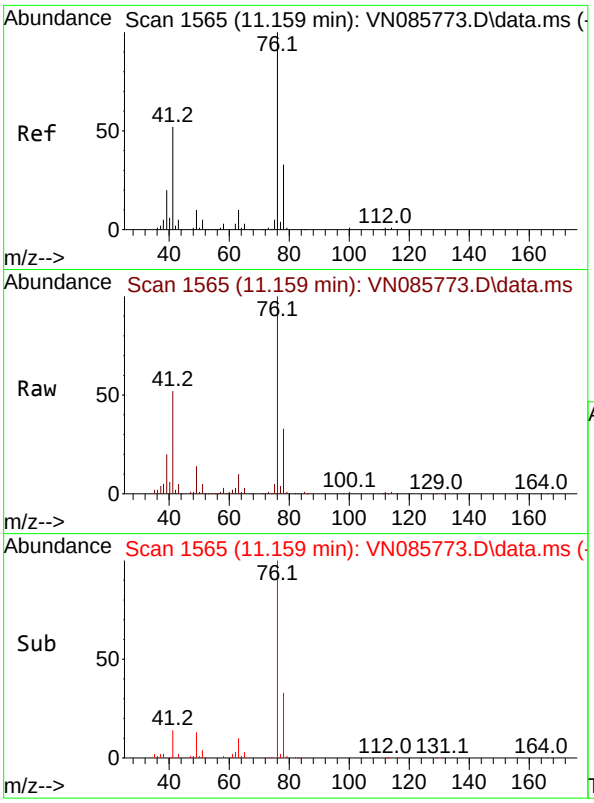


#56
Ethyl methacrylate
Concen: 49.960 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 69 Resp: 261825

Ion	Ratio	Lower	Upper
69	100		
41	57.5	46.0	69.0
39	27.5	22.0	33.0



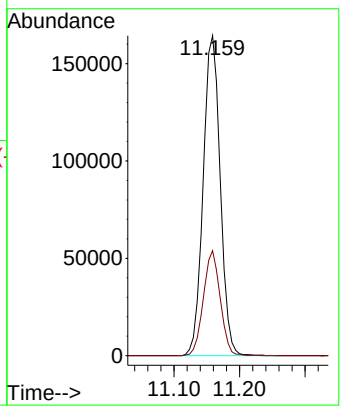


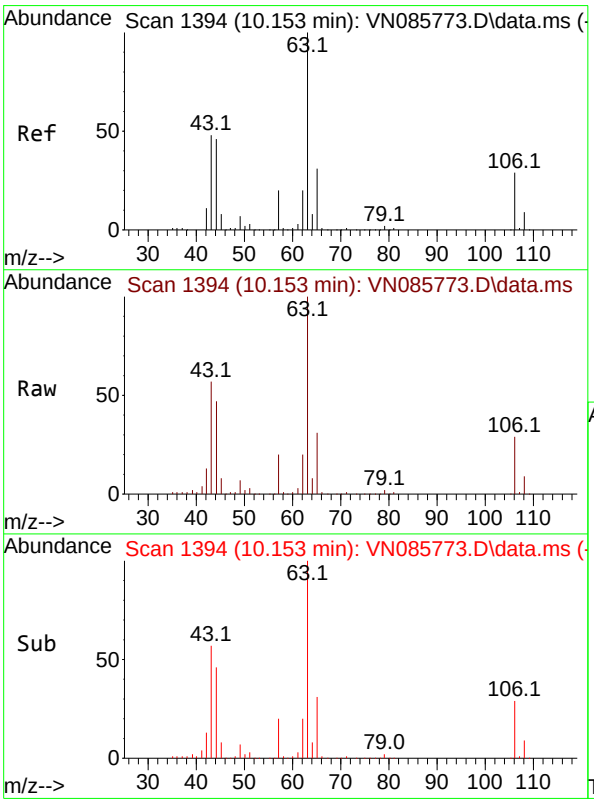
#57
1,3-Dichloropropane
Concen: 48.920 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 297683

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

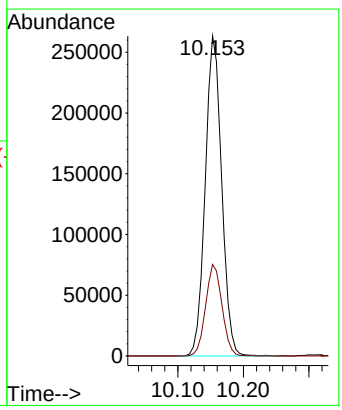


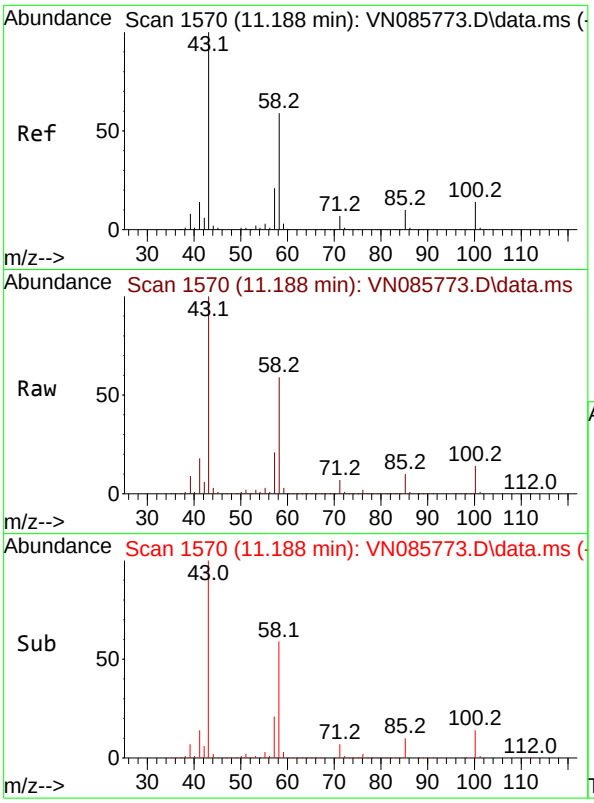


#58
2-Chloroethyl Vinyl ether
Concen: 230.774 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 63 Resp: 458983

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.7	34.1



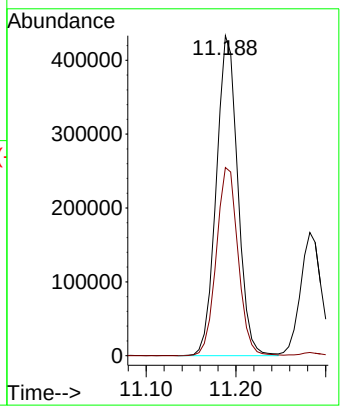


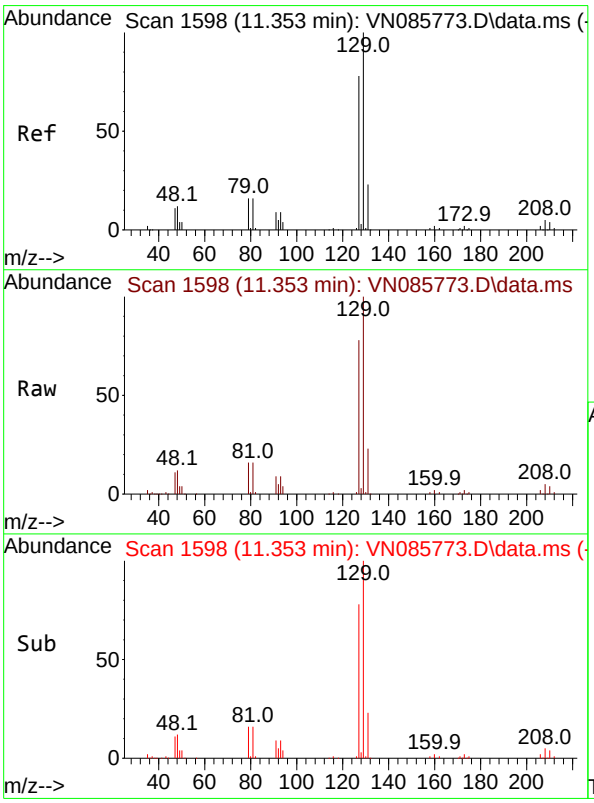
#59
2-Hexanone
Concen: 270.257 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 719870

Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.8	89.5

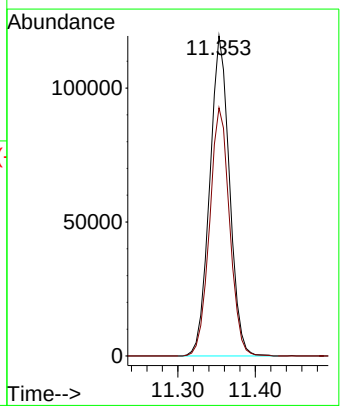


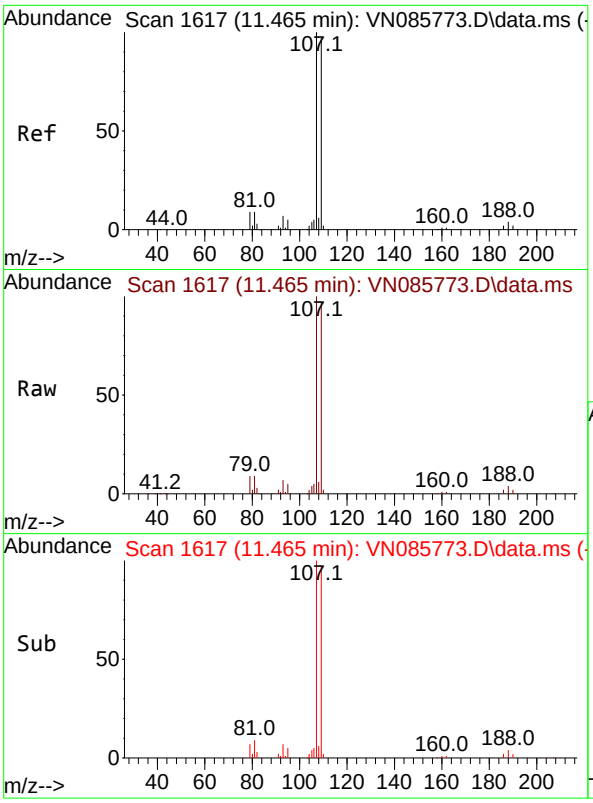


#60
Dibromochloromethane
Concen: 49.890 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:129 Resp: 211769

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5



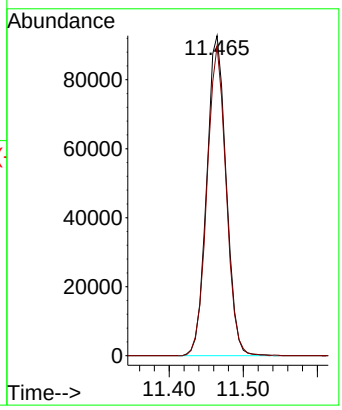


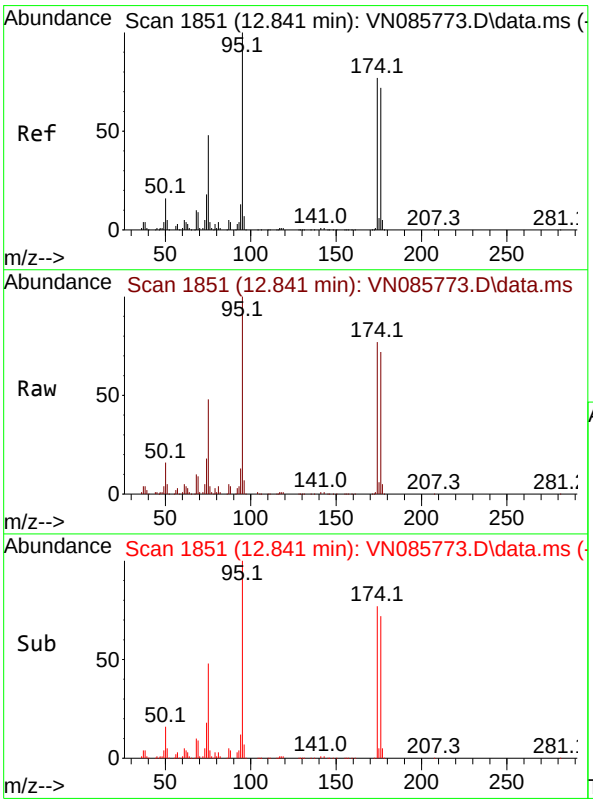
#61
1,2-Dibromoethane
Concen: 49.191 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 169422

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

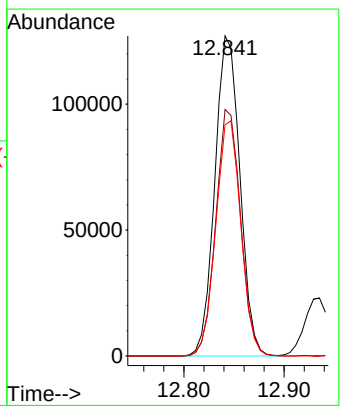


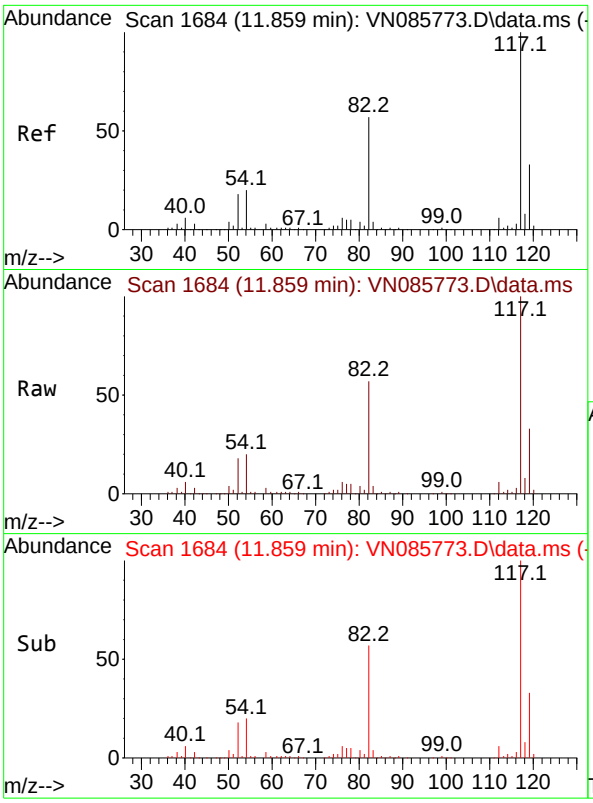


#62
4-Bromofluorobenzene
Concen: 53.393 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 95 Resp: 220691

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	152.4
176	73.3	0.0	146.6



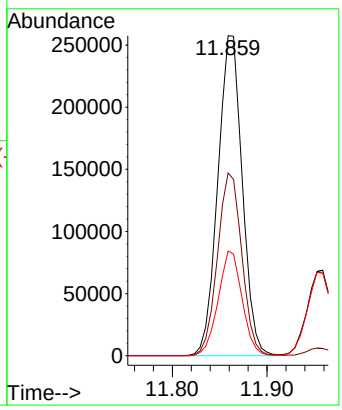


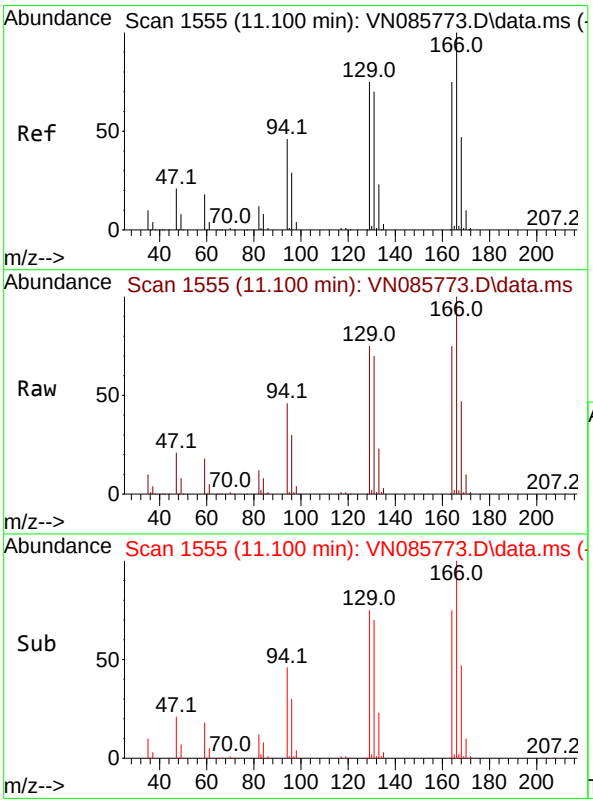
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 461653

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	32.7	26.2	39.2

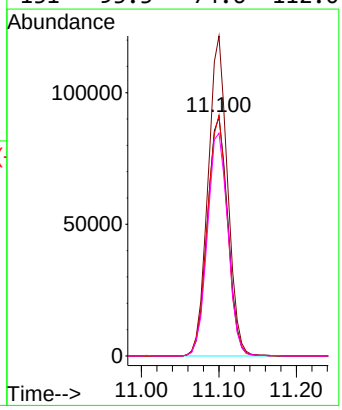


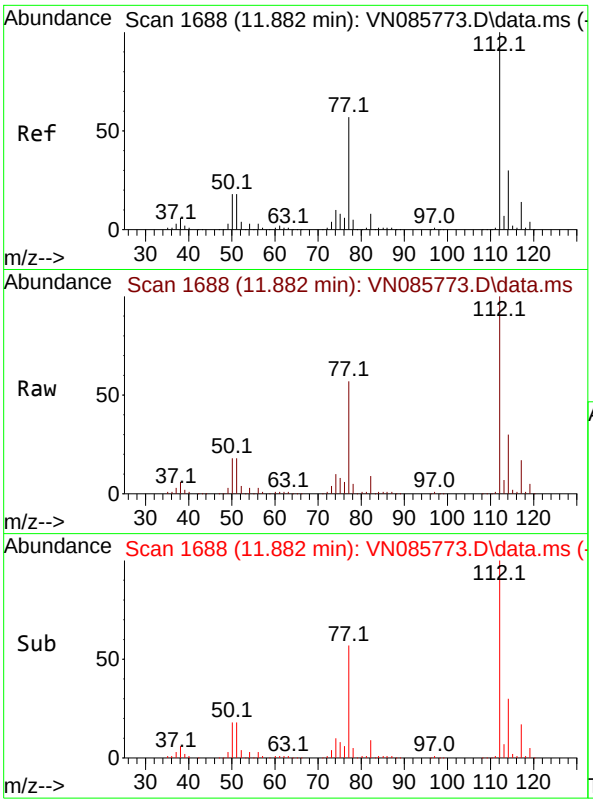


#64
Tetrachloroethene
Concen: 46.613 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:164 Resp: 166710

Ion	Ratio	Lower	Upper
164	100		
166	134.0	107.2	160.8
129	100.9	80.7	121.1
131	93.3	74.6	112.0



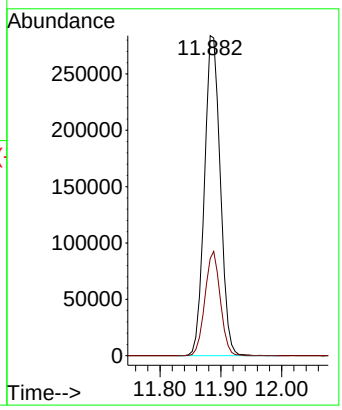


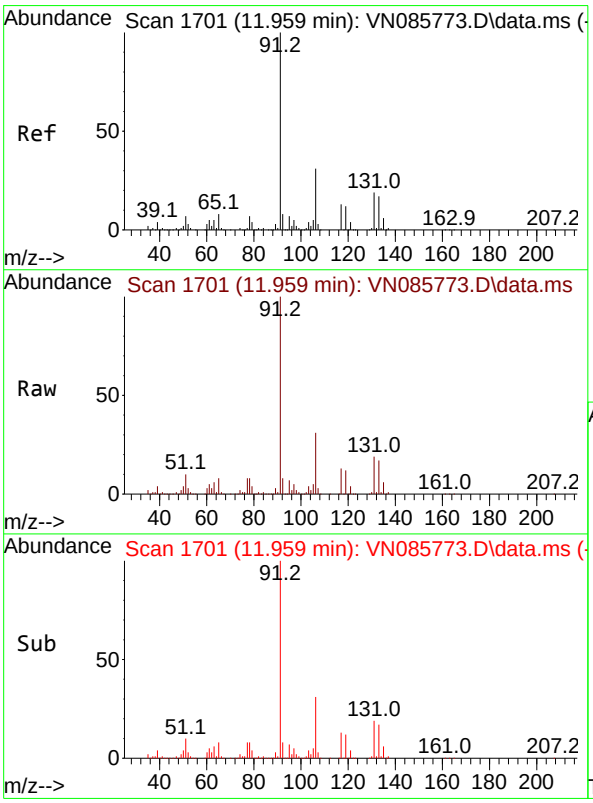
#65
Chlorobenzene
Concen: 48.454 ug/l
RT: 11.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 512436

Ion	Ratio	Lower	Upper
112	100		
114	30.4	24.3	36.5

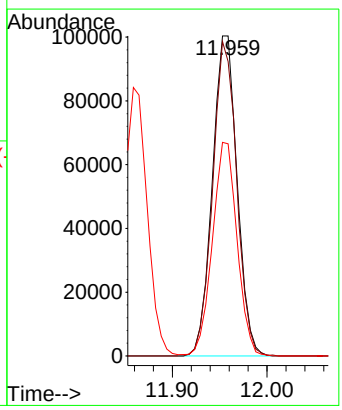


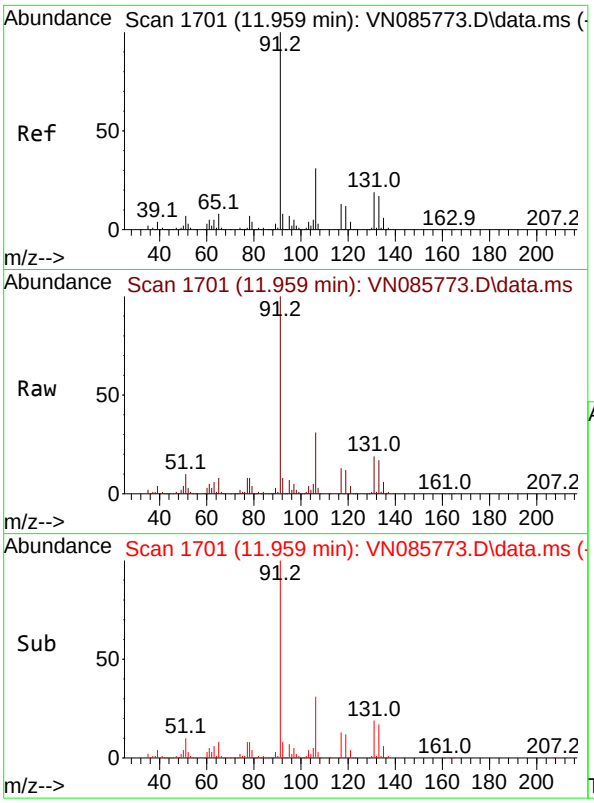


#66
1,1,1,2-Tetrachloroethane
Concen: 48.020 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:131 Resp: 182537

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	66.5	33.3	99.8



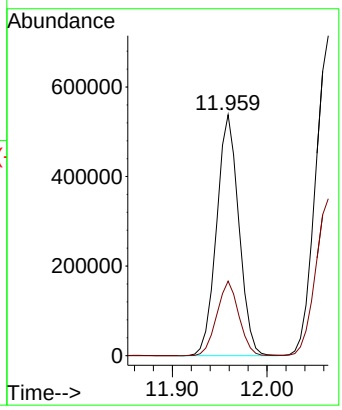


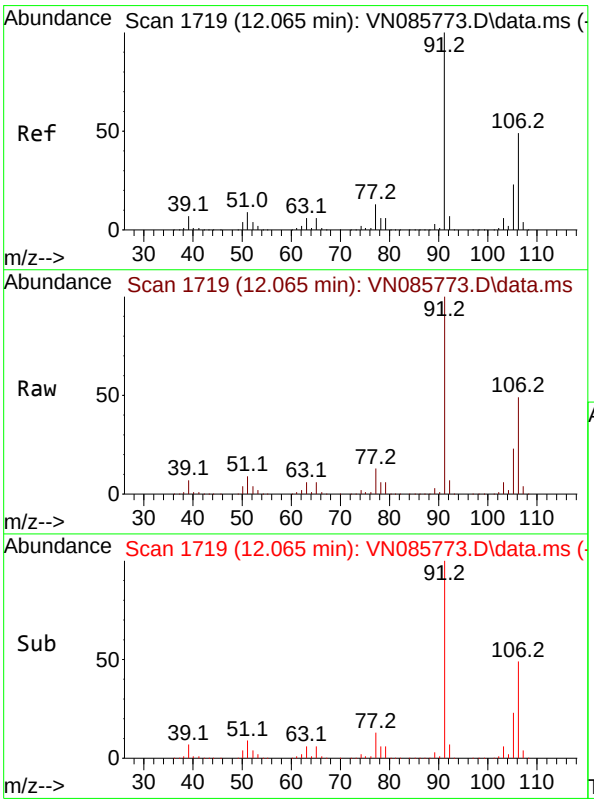
#67
Ethyl Benzene
Concen: 53.062 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 879040

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1

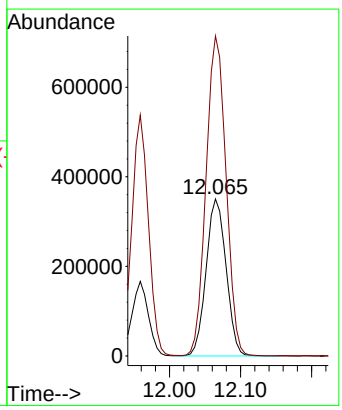


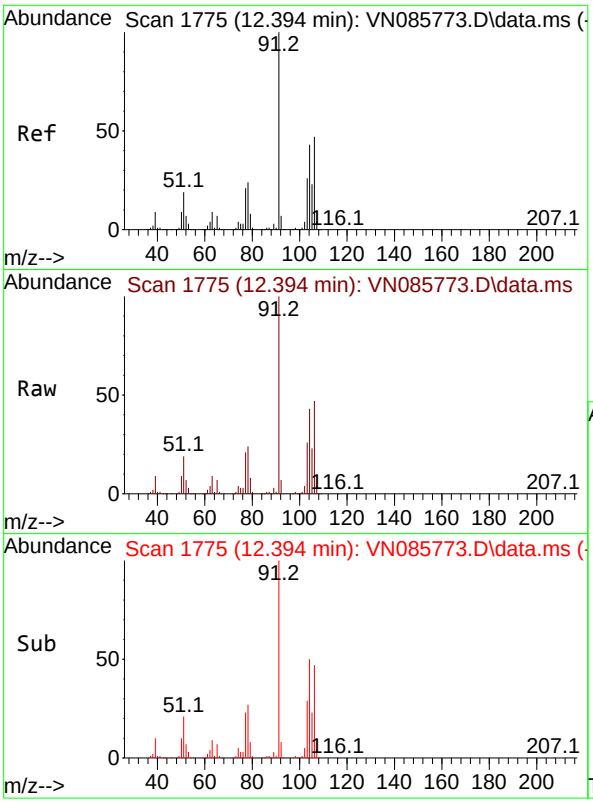


#68
m/p-Xylenes
Concen: 108.757 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:106 Resp: 684377

Ion	Ratio	Lower	Upper
106	100		
91	204.1	163.3	244.9



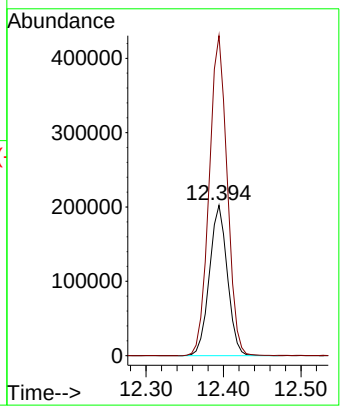


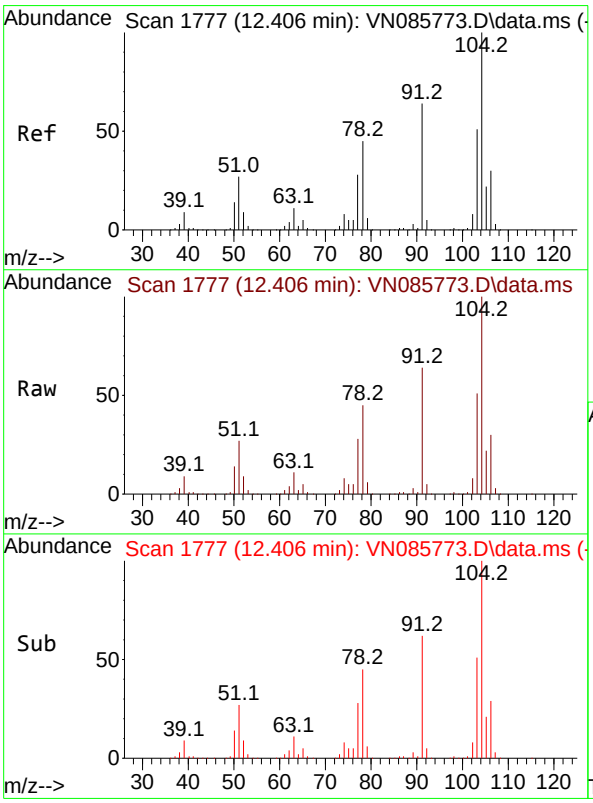
#69
o-Xylene
Concen: 54.342 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 324948

Ion	Ratio	Lower	Upper
106	100		
91	214.3	107.1	321.4

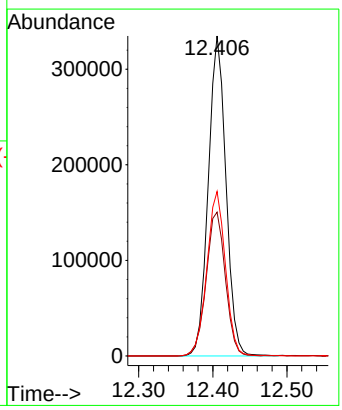


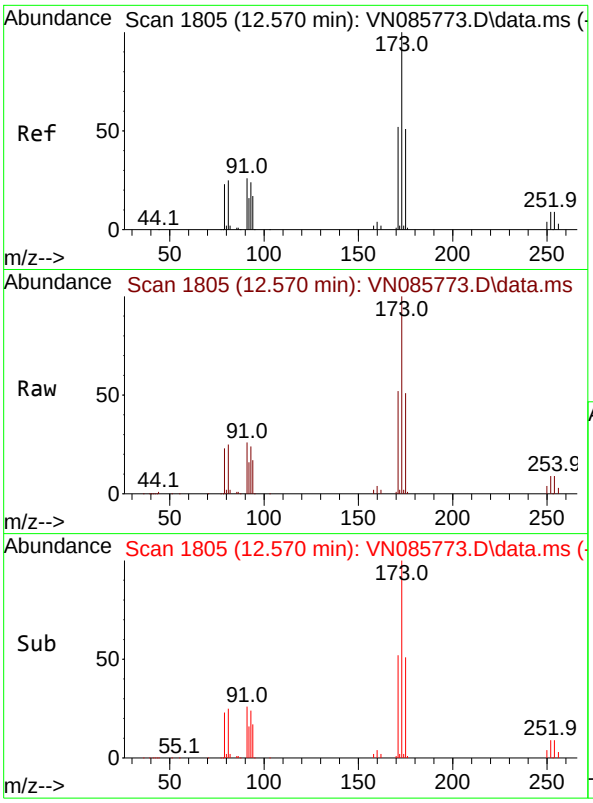


#70
Styrene
Concen: 49.909 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:104 Resp: 555269

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.6
103	54.1	43.3	64.9



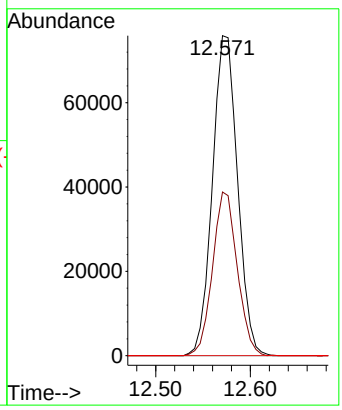


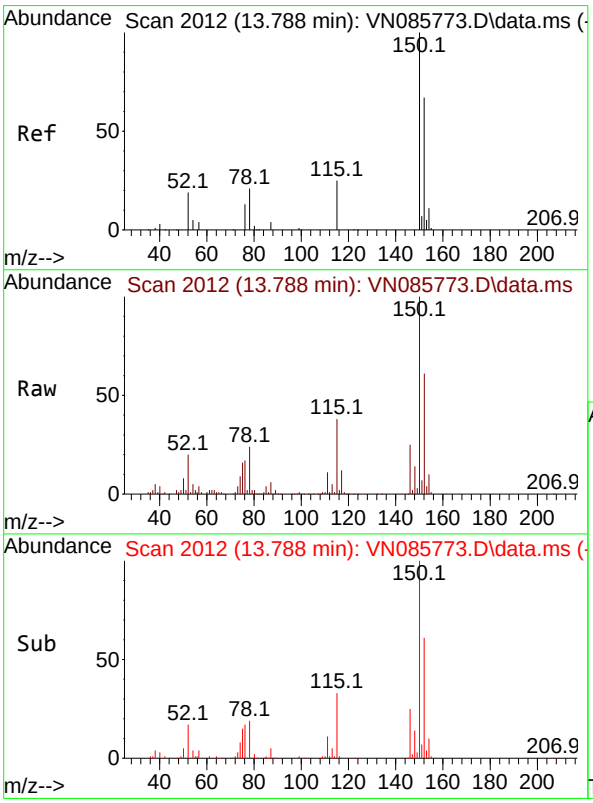
#71
Bromoform
Concen: 49.528 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 139895

Ion	Ratio	Lower	Upper
173	100		
175	50.3	25.1	75.4
254	0.0	0.0	0.0

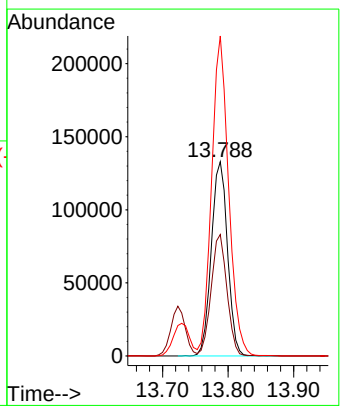


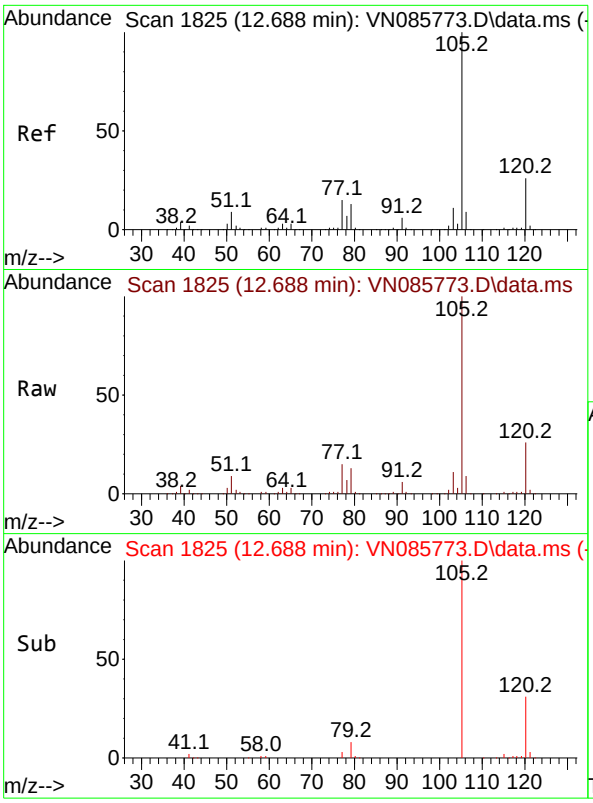


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:152 Resp: 227499

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.4	91.3
150	172.7	0.0	345.4



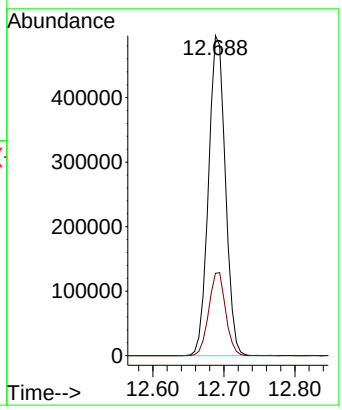


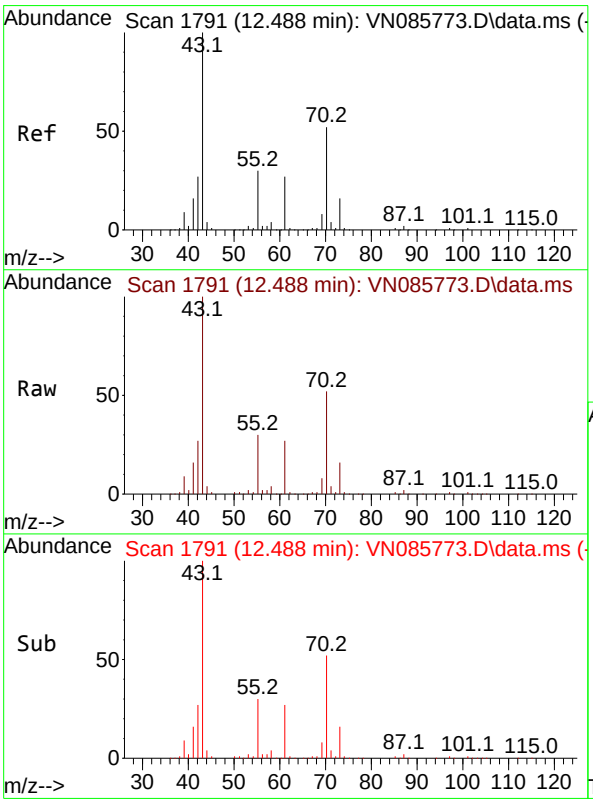
#73
Isopropylbenzene
Concen: 52.482 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 817980

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

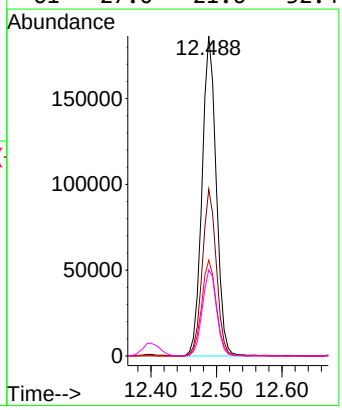


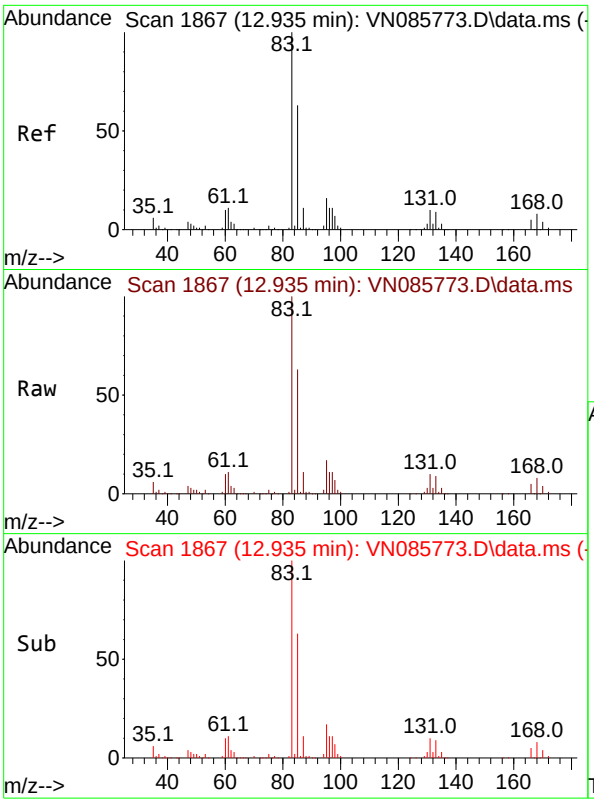


#74
N-amyl acetate
Concen: 51.360 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 43 Resp: 282288

Ion	Ratio	Lower	Upper
43	100		
70	51.2	41.0	61.4
55	30.7	24.6	36.8
61	27.0	21.6	32.4



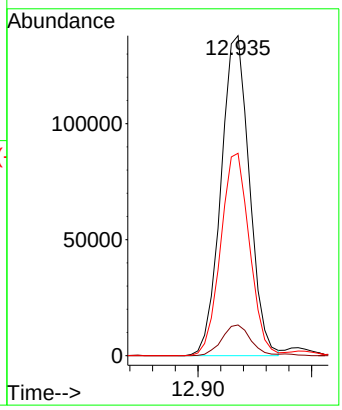


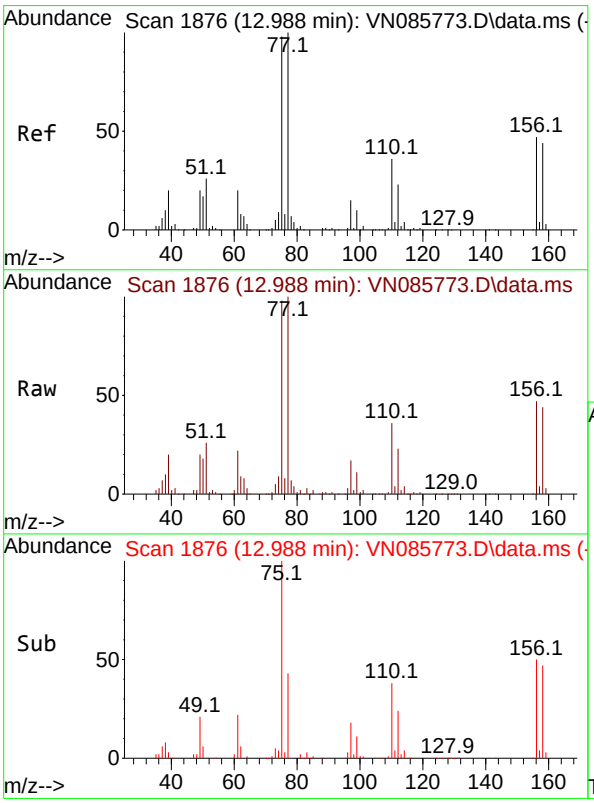
#75
1,1,2,2-Tetrachloroethane
Concen: 44.649 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 239463

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.4	32.2	96.6

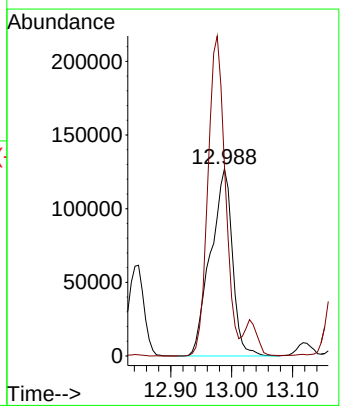


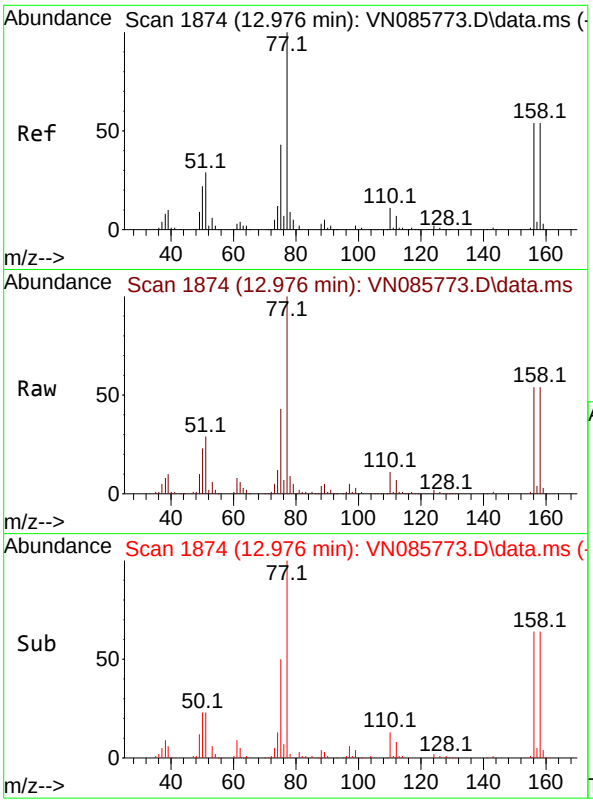


#76
1,2,3-Trichloropropane
Concen: 63.394 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 316841

Ion	Ratio	Lower	Upper
75	100		
77	135.2	100.0	300.0



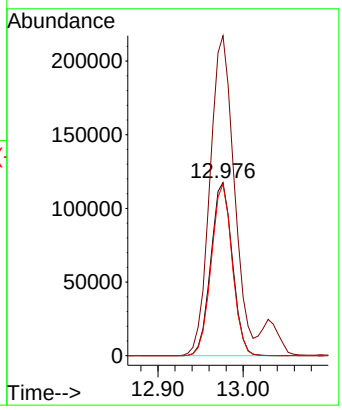


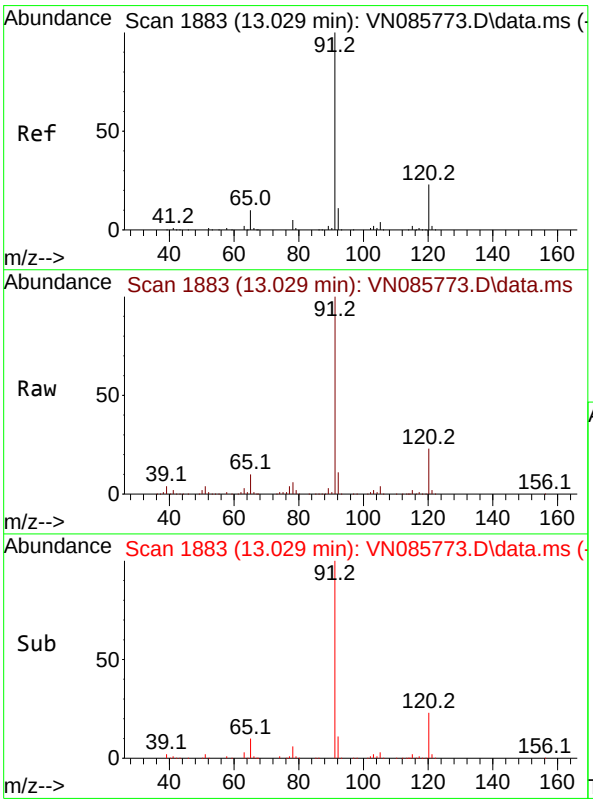
#77
Bromobenzene
Concen: 48.863 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 205754

Ion	Ratio	Lower	Upper
156	100		
77	208.2	104.1	312.3
158	96.3	48.1	144.4

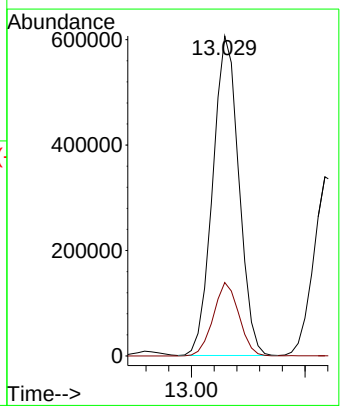


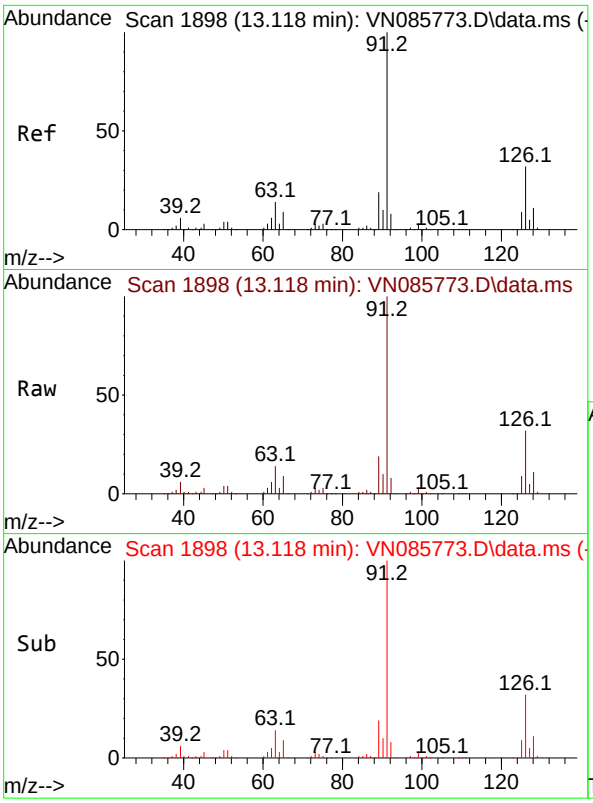


#78
n-propylbenzene
Concen: 54.241 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 91 Resp: 968182

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8



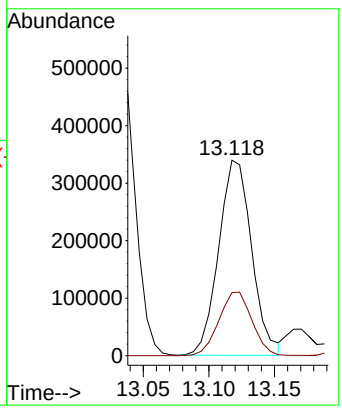


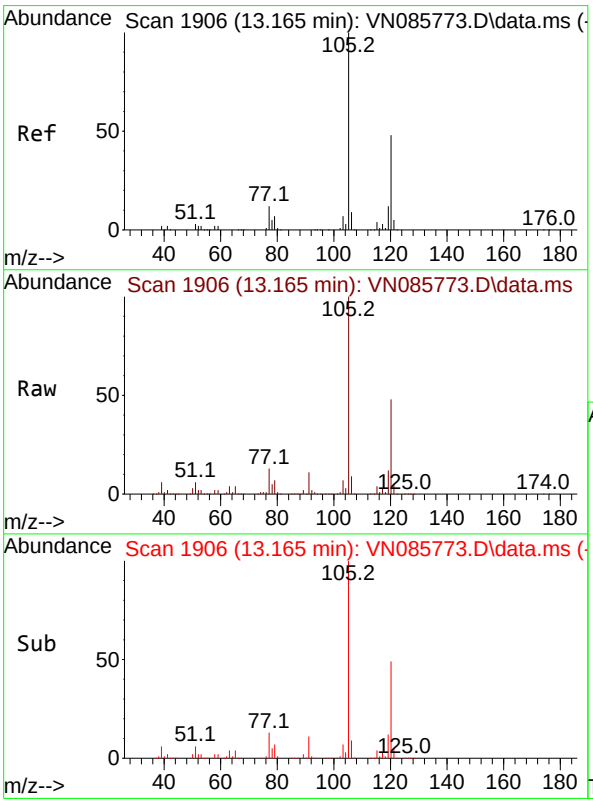
#79
2-Chlorotoluene
Concen: 49.895 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 595046

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

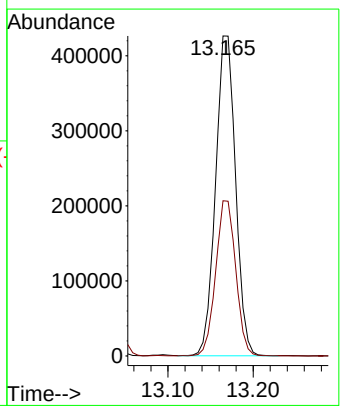


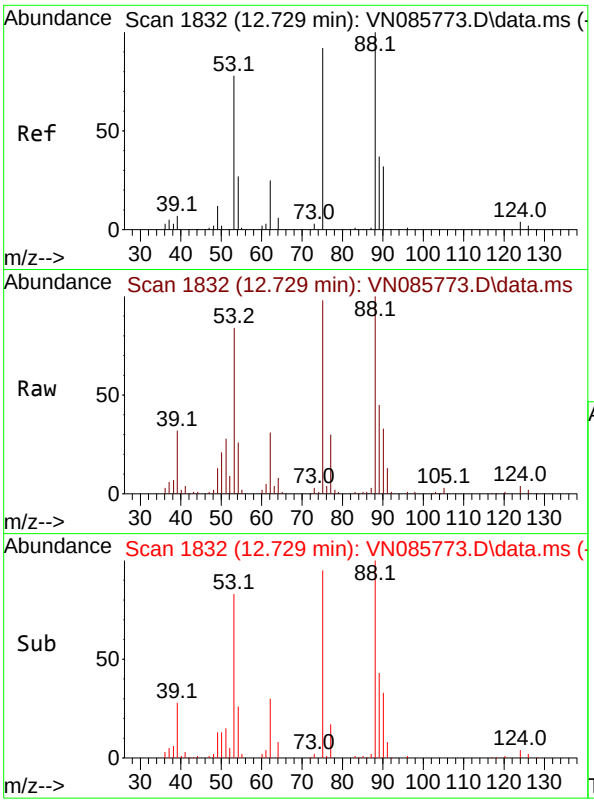


#80
1,3,5-Trimethylbenzene
Concen: 54.757 ug/l
RT: 13.165 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:105 Resp: 695205

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9



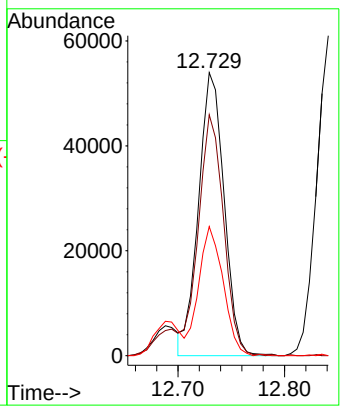


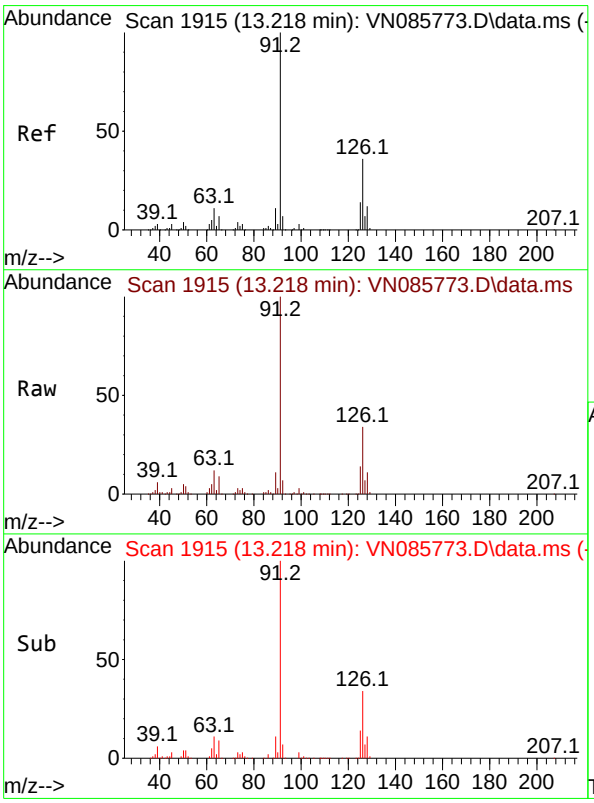
#81
trans-1,4-Dichloro-2-butene
Concen: 52.111 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 90255

Ion	Ratio	Lower	Upper
75	100		
53	92.8	74.2	111.4
89	43.6	34.9	52.3

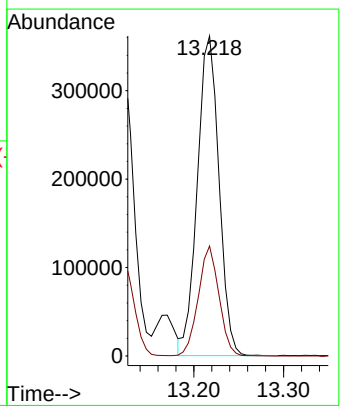


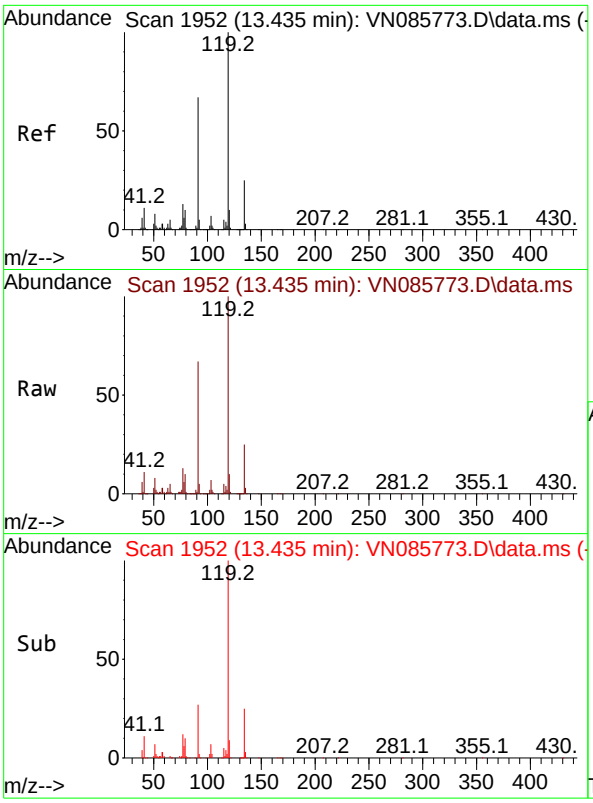


#82
4-Chlorotoluene
Concen: 51.139 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 91 Resp: 604612

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



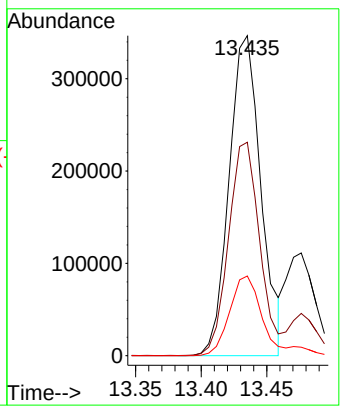


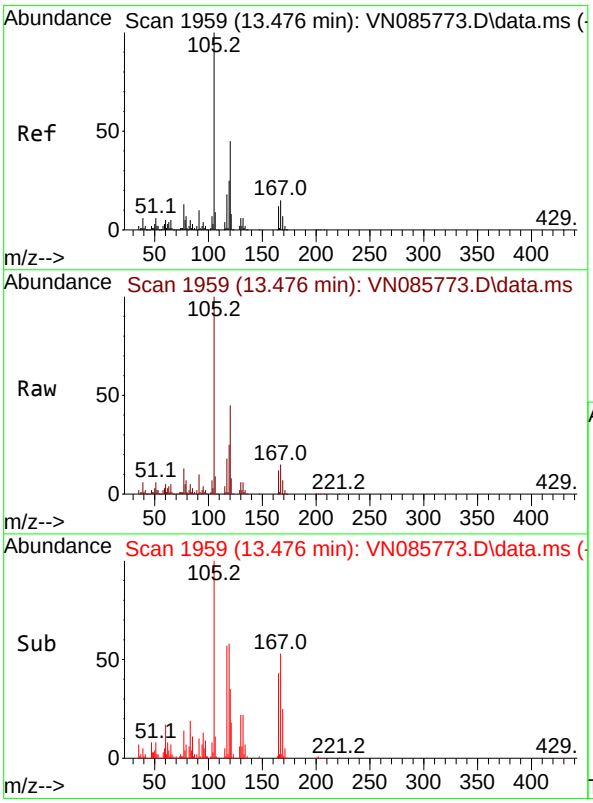
#83
tert-Butylbenzene
Concen: 54.933 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 586493

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.5	97.5
134	26.6	13.3	39.9

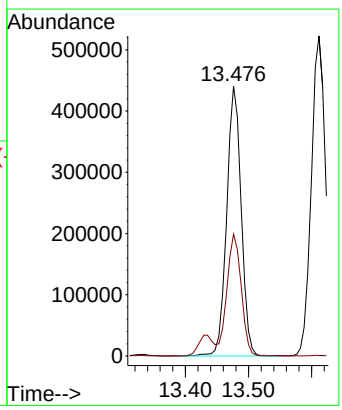


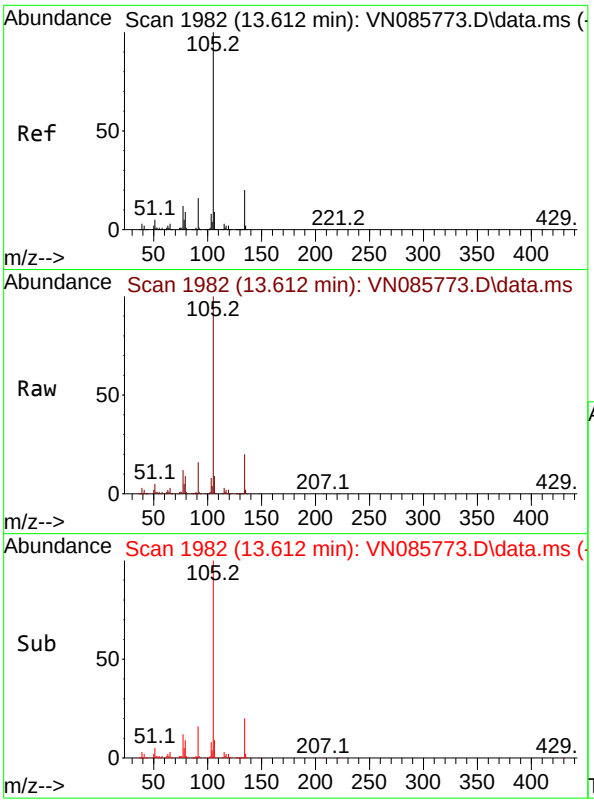


#84
1,2,4-Trimethylbenzene
Concen: 55.748 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:105 Resp: 700260

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3



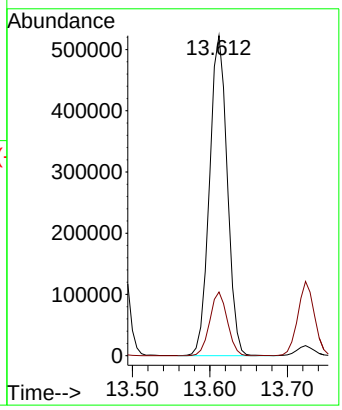


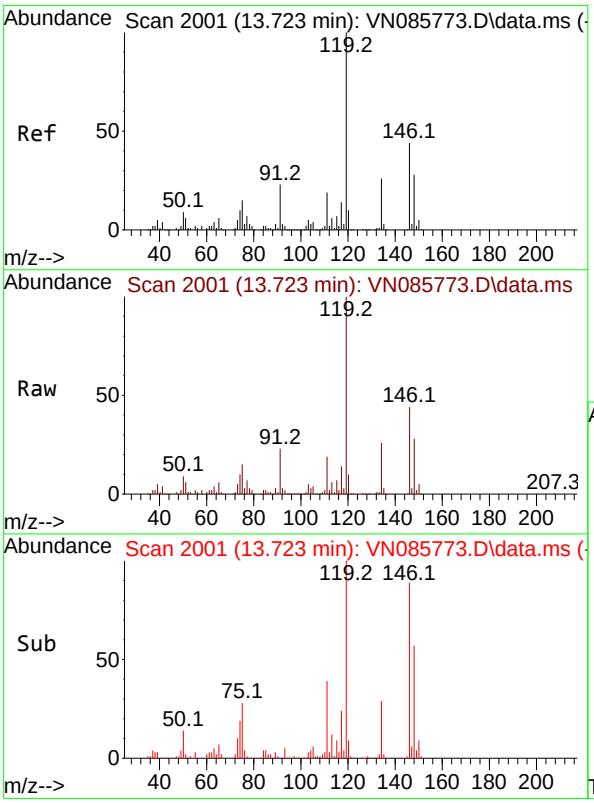
#85
sec-Butylbenzene
Concen: 55.099 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 831143

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

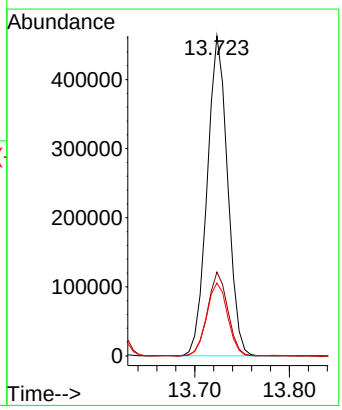


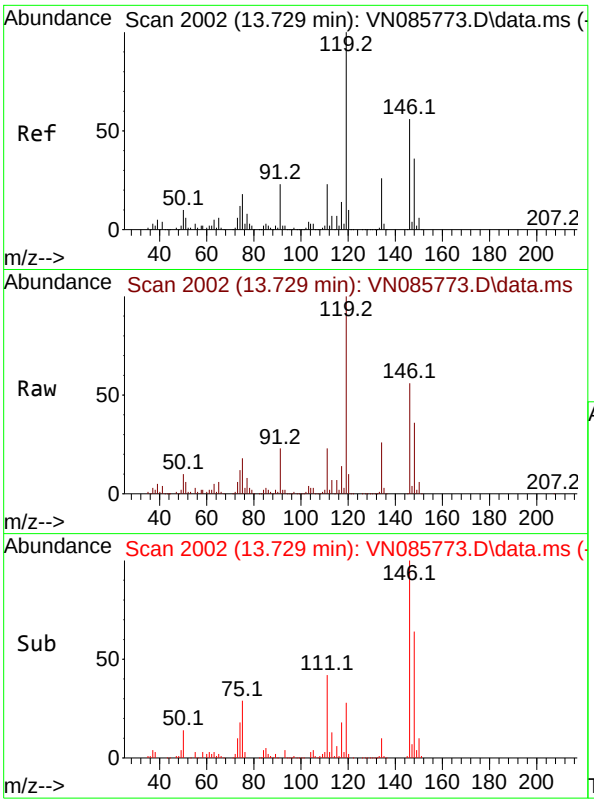


#86
p-Isopropyltoluene
Concen: 50.103 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:119 Resp: 692641

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.4	11.7	35.1



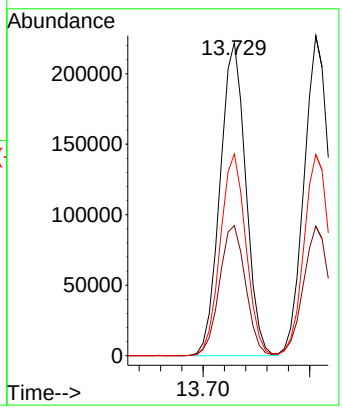


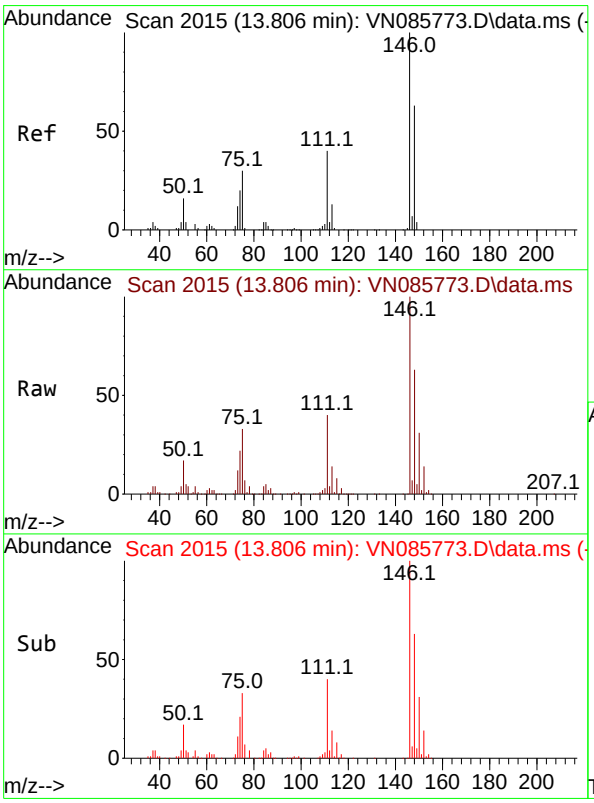
#87
1,3-Dichlorobenzene
Concen: 47.154 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 372004

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	64.3	32.1	96.5

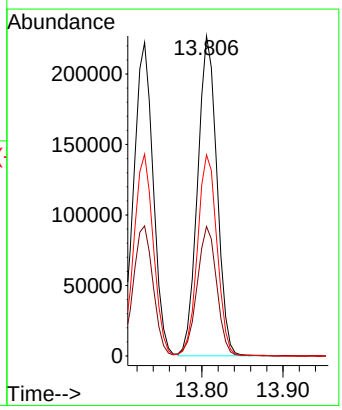


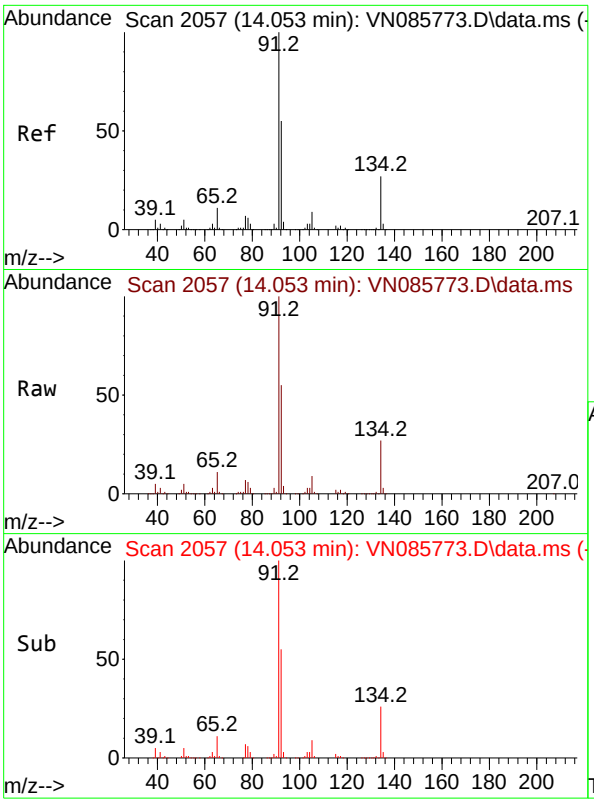


#88
1,4-Dichlorobenzene
Concen: 46.340 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:146 Resp: 374700

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	63.6	31.8	95.4



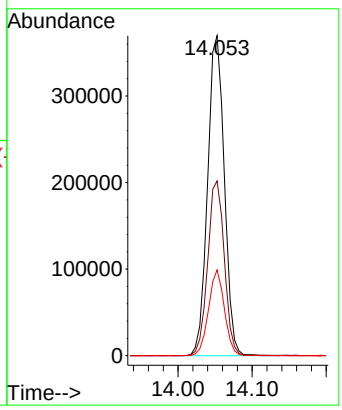


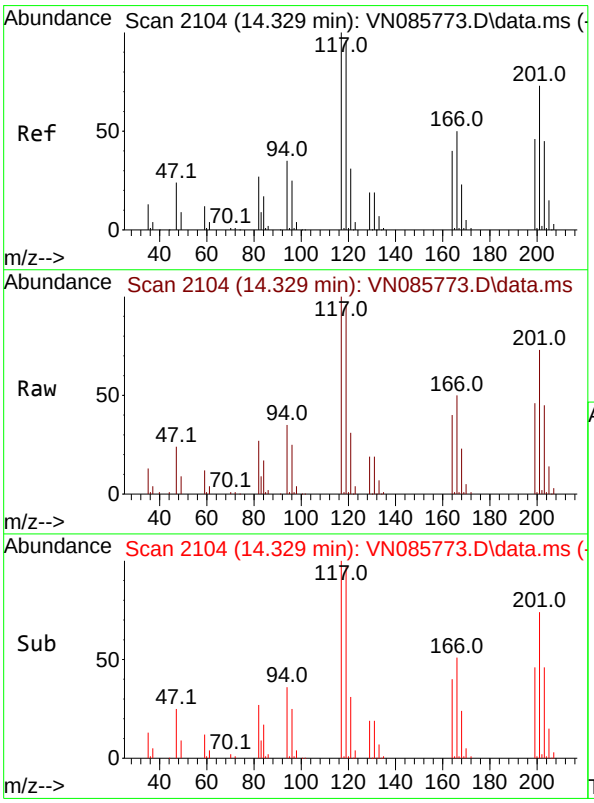
#89
n-Butylbenzene
Concen: 54.197 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 580445

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	25.4	12.7	38.1

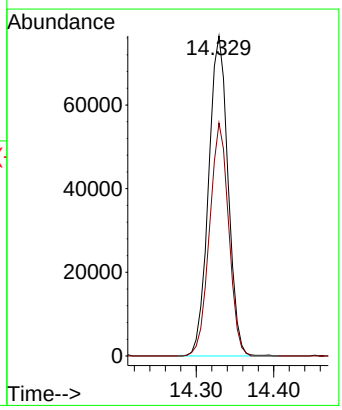


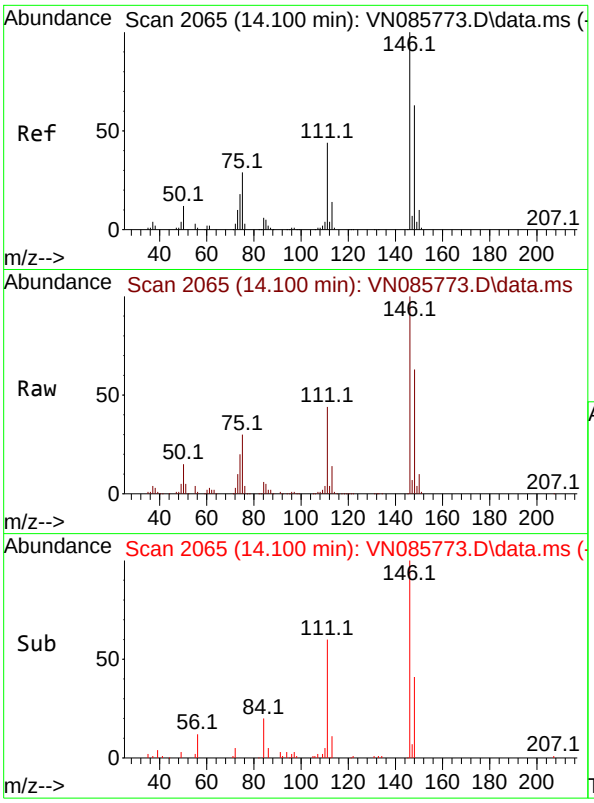


#90
Hexachloroethane
Concen: 46.708 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:117 Resp: 133438

Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.6	106.9



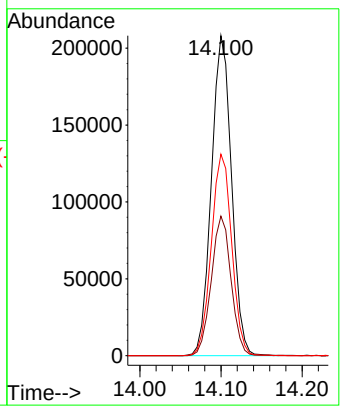


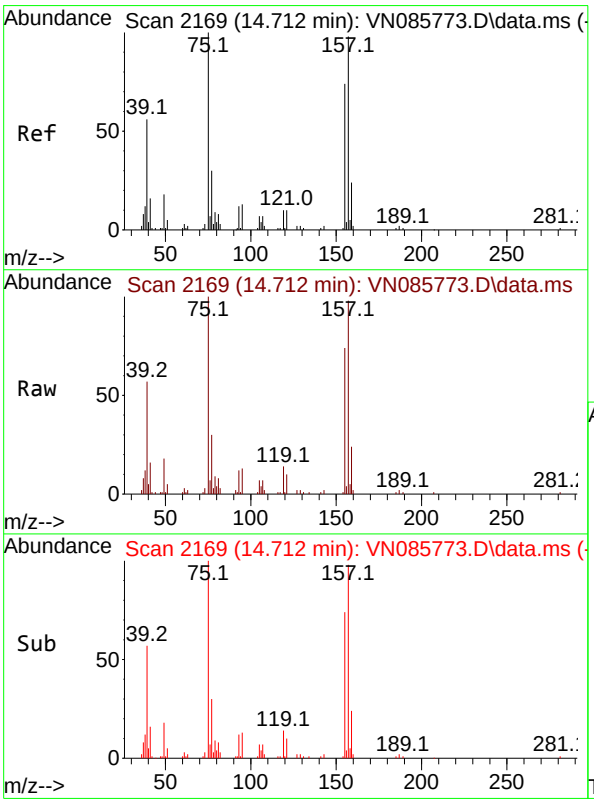
#91
1,2-Dichlorobenzene
Concen: 47.211 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 358159

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.1	32.0	96.2

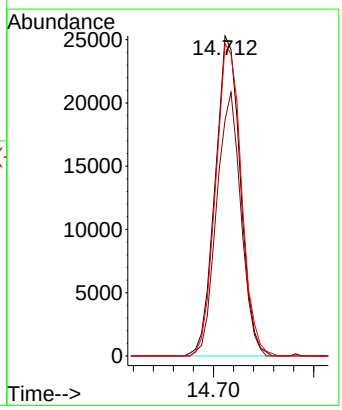


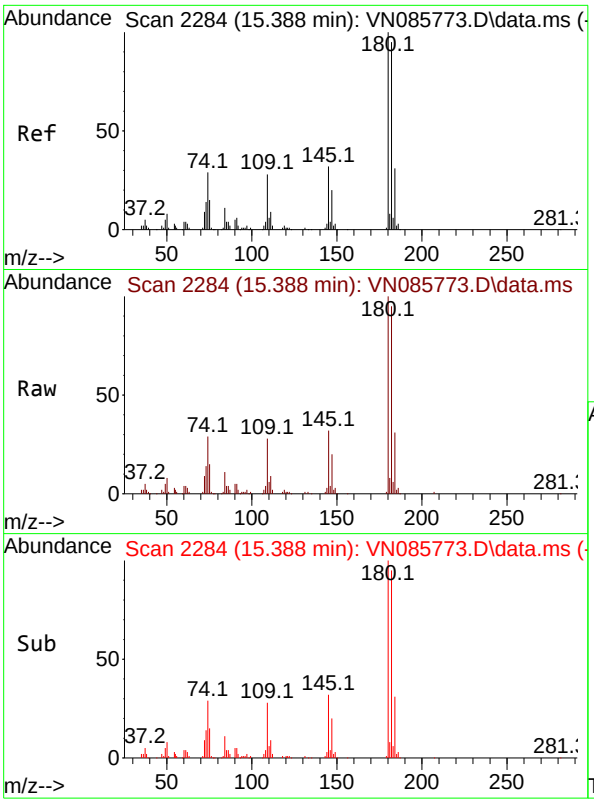


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.611 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion: 75 Resp: 43935

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	99.8	49.9	149.7



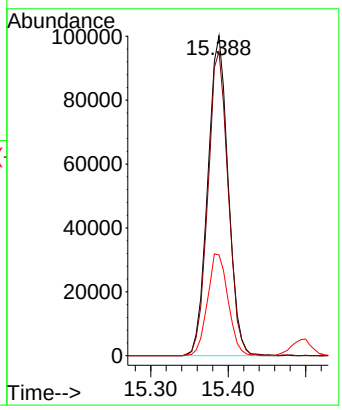


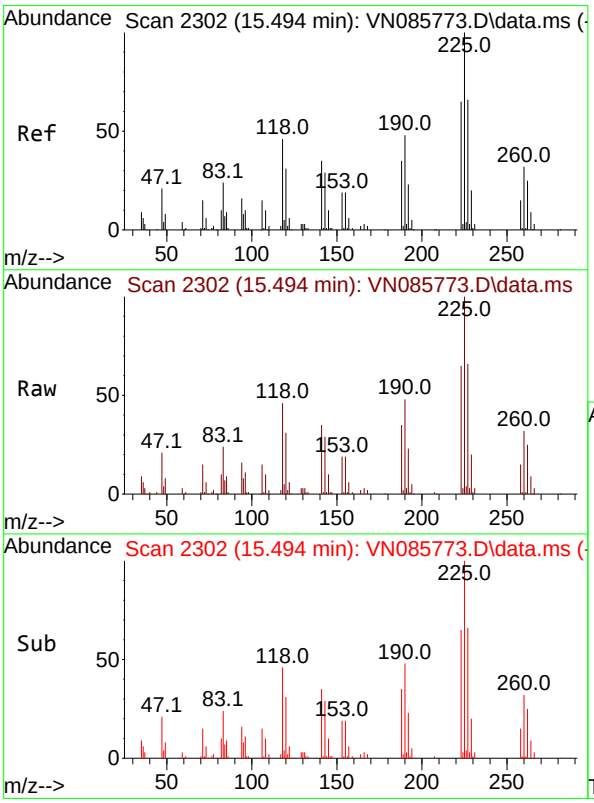
#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 182458

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.3	16.2	48.5

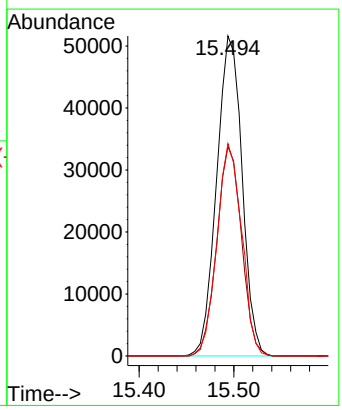


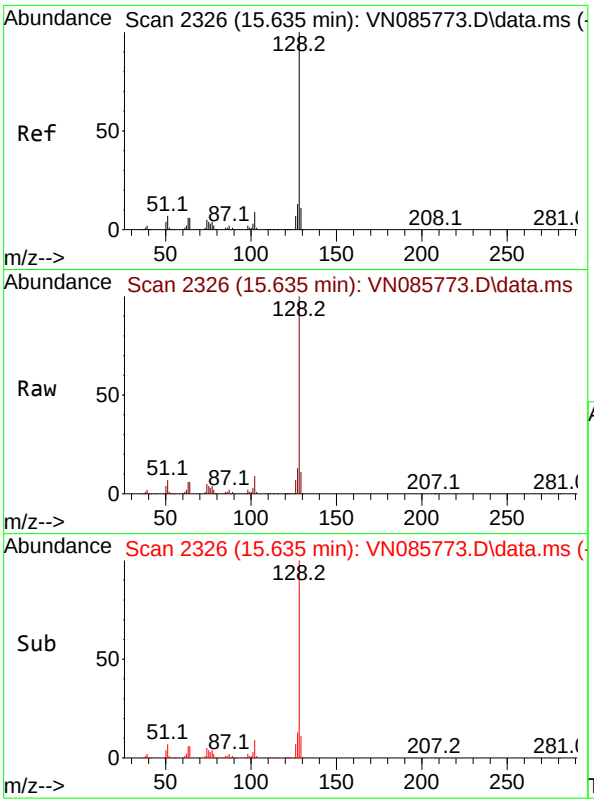


#94
Hexachlorobutadiene
Concen: 43.899 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:225 Resp: 96444

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.4	32.2	96.6



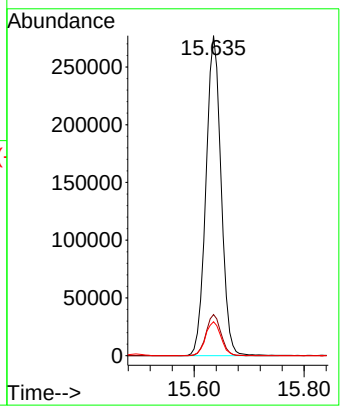


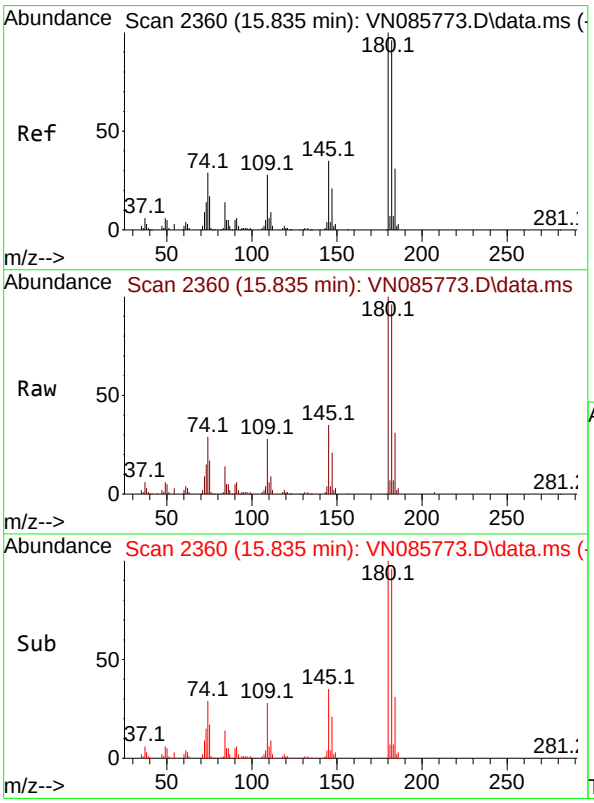
#95
Naphthalene
Concen: 53.265 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 528627

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1

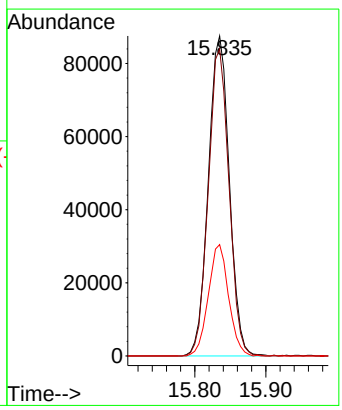




#96
1,2,3-Trichlorobenzene
Concen: 49.473 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085773.D
Acq: 18 Feb 2025 11:32

Tgt Ion:180 Resp: 179544

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	33.7	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	235331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	397776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	339681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	27654	9.064	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 18.120%#			
35) Dibromofluoromethane	8.159	113	23353	8.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 17.940%#			
50) Toluene-d8	10.565	98	80889	8.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 17.080%#			
62) 4-Bromofluorobenzene	12.841	95	25697	8.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 16.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	36657	11.452	ug/l	96
3) Chloromethane	2.359	50	34946	10.880	ug/l	97
4) Vinyl Chloride	2.518	62	37462	11.015	ug/l	99
5) Bromomethane	2.965	94	25562	11.755	ug/l	100
6) Chloroethane	3.124	64	24265	10.772	ug/l	95
7) Trichlorofluoromethane	3.500	101	53380	10.841	ug/l	99
8) Diethyl Ether	3.959	74	17236	10.819	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	31724	11.146	ug/l	96
10) Methyl Iodide	4.589	142	37913	10.806	ug/l	93
11) Tert butyl alcohol	5.506	59	21584	57.519	ug/l	99
12) 1,1-Dichloroethene	4.342	96	27815	10.778	ug/l	97
13) Acrolein	4.177	56	27644	49.677	ug/l	98
14) Allyl chloride	5.024	41	36624	10.809	ug/l	98
15) Acrylonitrile	5.718	53	65440	53.643	ug/l	99
16) Acetone	4.424	43	51172	53.007	ug/l	97
17) Carbon Disulfide	4.712	76	84915	11.102	ug/l	99
18) Methyl Acetate	5.024	43	37354	11.250	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	80686	10.521	ug/l	96
20) Methylene Chloride	5.271	84	33412	10.762	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	29226	10.517	ug/l	91
22) Diisopropyl ether	6.671	45	83002	10.841	ug/l	95
23) Vinyl Acetate	6.600	43	305726	58.499	ug/l	98
24) 1,1-Dichloroethane	6.565	63	57247	10.999	ug/l	97
25) 2-Butanone	7.477	43	77791	54.772	ug/l	98
26) 2,2-Dichloropropane	7.482	77	50333	10.876	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	34806	10.802	ug/l	98
28) Bromochloromethane	7.812	49	16276	7.609	ug/l #	99
29) Tetrahydrofuran	7.835	42	50478	55.039	ug/l	98
30) Chloroform	7.959	83	59719	10.980	ug/l	96
31) Cyclohexane	8.253	56	45995	10.555	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	51254	10.595	ug/l	98
36) 1,1-Dichloropropene	8.365	75	38983	10.582	ug/l	99
37) Ethyl Acetate	7.553	43	30665	10.115	ug/l	96
38) Carbon Tetrachloride	8.353	117	46420	10.605	ug/l	97
39) Methylcyclohexane	9.594	83	35475	9.803	ug/l #	85
40) Benzene	8.606	78	124704	10.562	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	16811	10.373 ug/l	99
42) 1,2-Dichloroethane	8.665	62	41912	10.898 ug/l	98
43) Isopropyl Acetate	8.682	43	60794	11.001 ug/l	95
44) Trichloroethene	9.347	130	30561	10.542 ug/l	88
45) 1,2-Dichloropropane	9.618	63	30619	10.744 ug/l	100
46) Dibromomethane	9.706	93	21085	10.489 ug/l	98
47) Bromodichloromethane	9.882	83	45413	10.559 ug/l	95
48) Methyl methacrylate	9.676	41	22058	9.798 ug/l	96
49) 1,4-Dioxane	9.688	88	8936	208.723 ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	155789	53.302 ug/l	98
52) Toluene	10.623	92	73516	10.622 ug/l	98
53) t-1,3-Dichloropropene	10.829	75	41230	10.367 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	46300	10.617 ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	29408	10.687 ug/l	96
56) Ethyl methacrylate	10.871	69	35641	10.274 ug/l	99
57) 1,3-Dichloropropane	11.159	76	48905	10.647 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	67791	47.108 ug/l	97
59) 2-Hexanone	11.188	43	105782	52.609 ug/l	97
60) Dibromochloromethane	11.353	129	34267	10.694 ug/l	98
61) 1,2-Dibromoethane	11.465	107	28789	11.073 ug/l	97
64) Tetrachloroethene	11.100	164	28564	10.855 ug/l	92
65) Chlorobenzene	11.888	112	82365	10.585 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.953	131	30133	10.773 ug/l	99
67) Ethyl Benzene	11.959	91	124323	10.199 ug/l	98
68) m/p-Xylenes	12.065	106	98574	21.290 ug/l	98
69) o-Xylene	12.394	106	45263	10.287 ug/l	100
70) Styrene	12.406	104	72044	9.994 ug/l	98
71) Bromoform	12.576	173	21882	10.529 ug/l #	98
73) Isopropylbenzene	12.688	105	109944	10.576 ug/l	99
74) N-amyl acetate	12.488	43	38318	10.452 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	39575	11.063 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	48233	14.469 ug/l	58
77) Bromobenzene	12.976	156	31066	11.061 ug/l	98
78) n-propylbenzene	13.029	91	125206	10.517 ug/l	99
79) 2-Chlorotoluene	13.117	91	86237	10.841 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	90718	10.713 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	11901	10.302 ug/l	97
82) 4-Chlorotoluene	13.217	91	86106	10.919 ug/l	100
83) tert-Butylbenzene	13.435	119	73803	10.364 ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	89125	10.638 ug/l	99
85) sec-Butylbenzene	13.611	105	107253	10.660 ug/l	99
86) p-Isopropyltoluene	13.723	119	84249	10.256 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	56944	10.822 ug/l	97
88) 1,4-Dichlorobenzene	13.806	146	57166	10.600 ug/l	99
89) n-Butylbenzene	14.053	91	70940	9.931 ug/l	96
90) Hexachloroethane	14.329	117	19282	10.119 ug/l	94
91) 1,2-Dichlorobenzene	14.100	146	53647	10.602 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7223	10.996 ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	25090	10.406 ug/l	98
94) Hexachlorobutadiene	15.494	225	15278	10.426 ug/l	95
95) Naphthalene	15.635	128	65549	9.902 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	25612	10.581 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

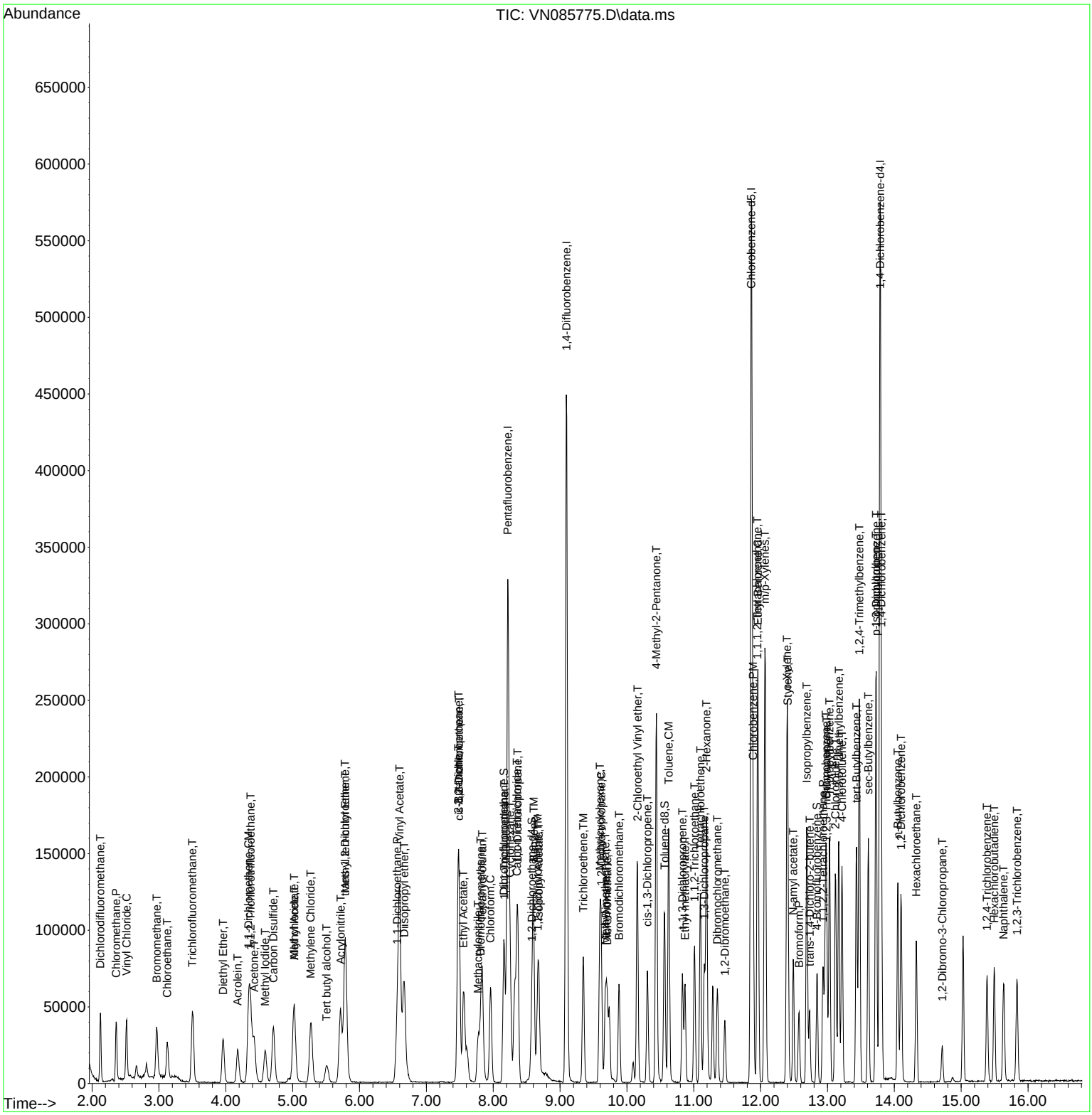
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

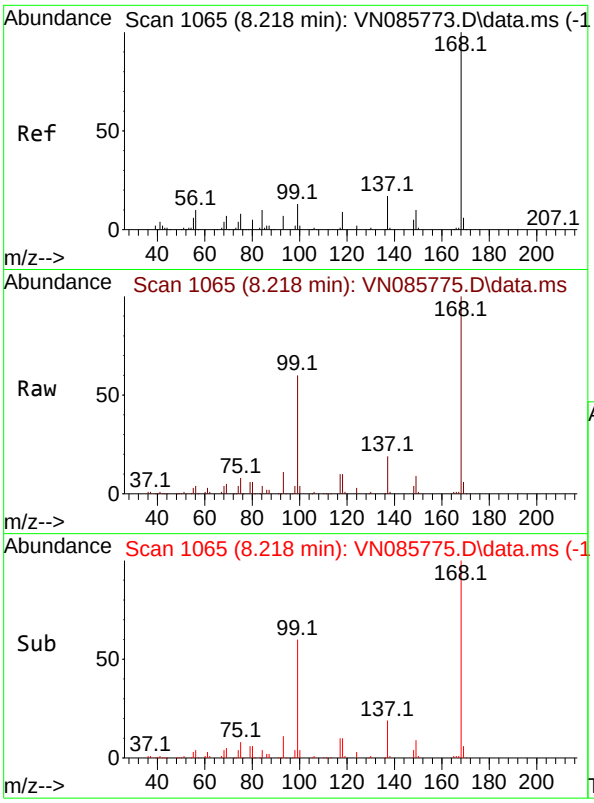
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration



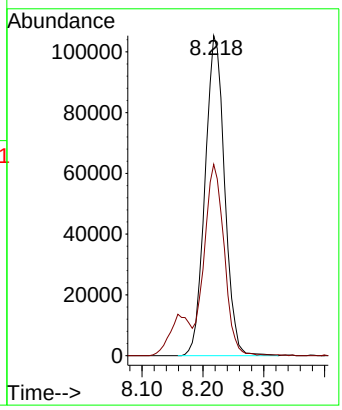


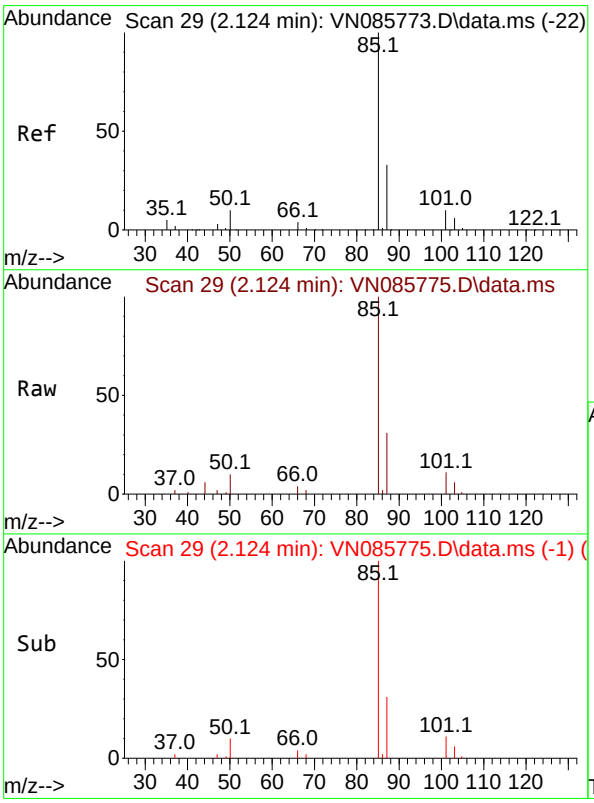
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 235331

Ion	Ratio	Lower	Upper
168	100		
99	59.5	47.9	71.9

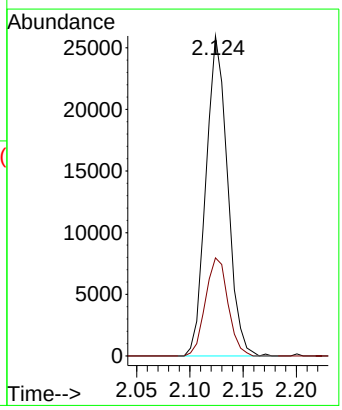


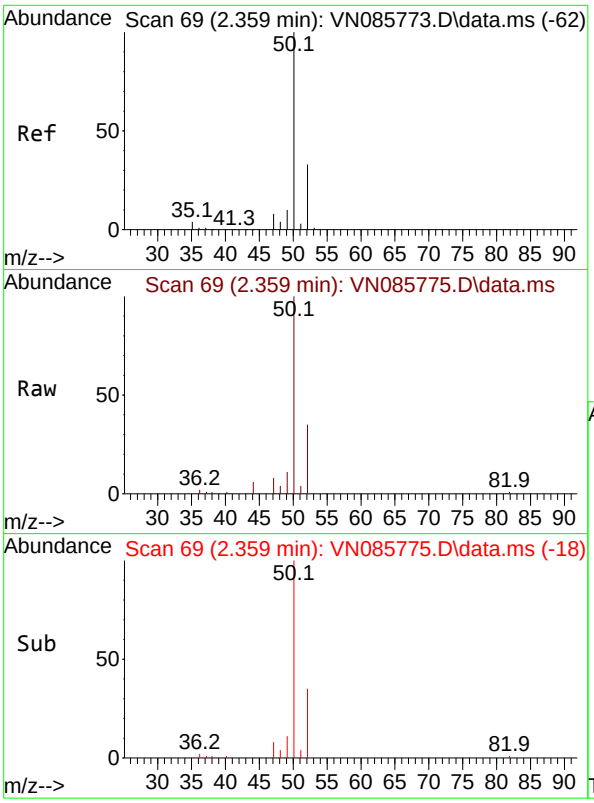


#2
Dichlorodifluoromethane
Concen: 11.452 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 85 Resp: 36657

Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.4	49.2



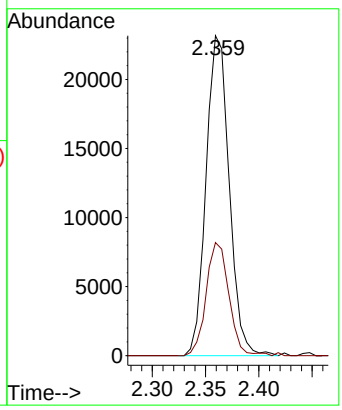


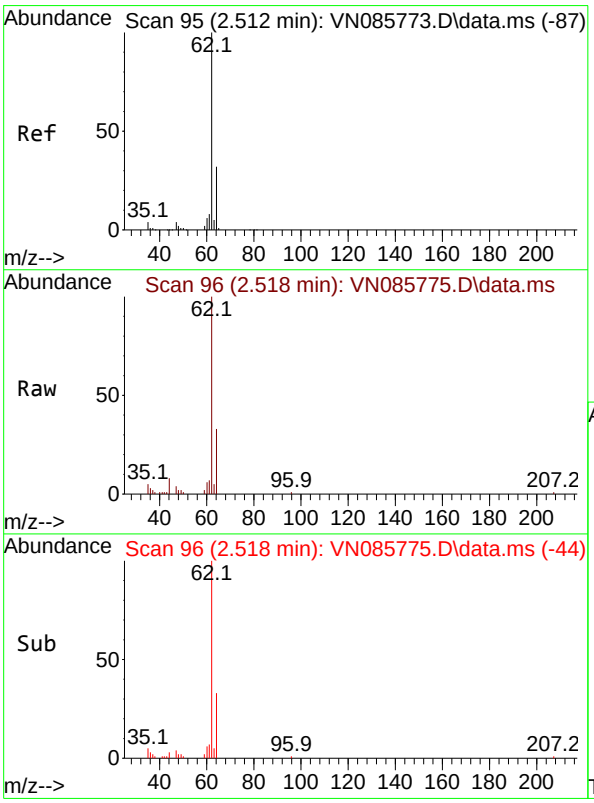
#3
Chloromethane
Concen: 10.880 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 34946

Ion	Ratio	Lower	Upper
50	100		
52	35.4	26.7	40.1

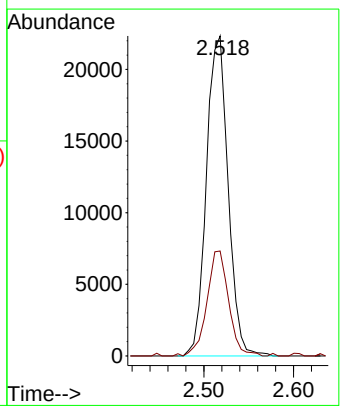


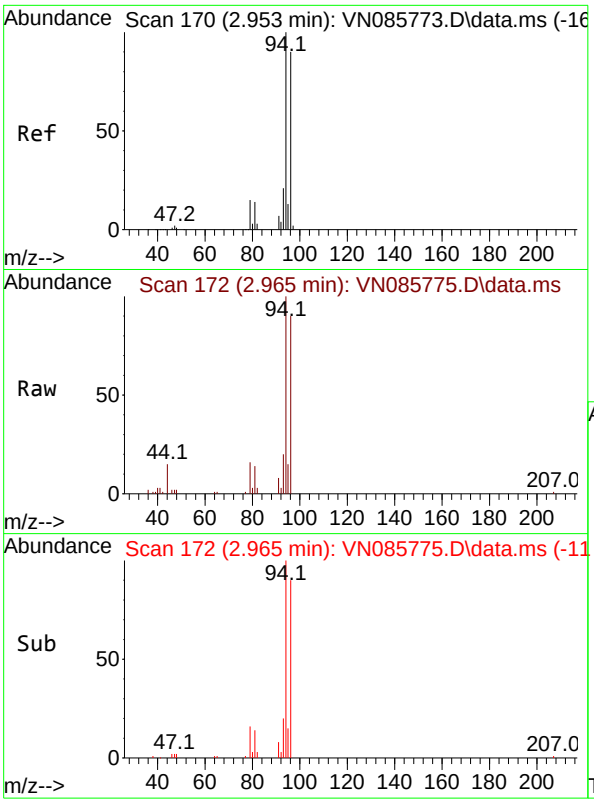


#4
Vinyl Chloride
Concen: 11.015 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 62 Resp: 37462

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.9	38.9



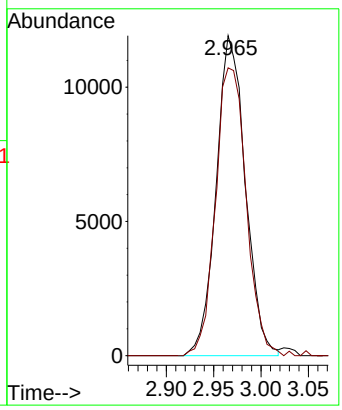


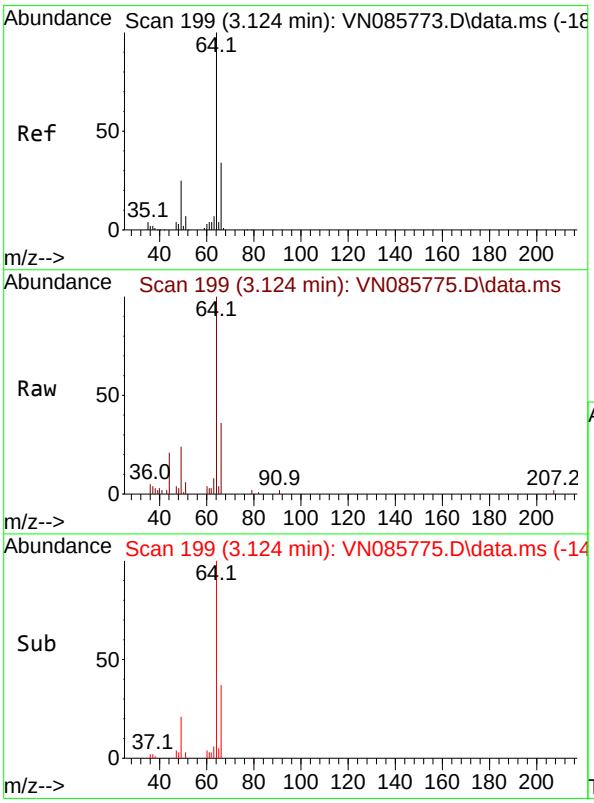
#5
Bromomethane
Concen: 11.755 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 25562

Ion	Ratio	Lower	Upper
94	100		
96	89.9	71.7	107.5

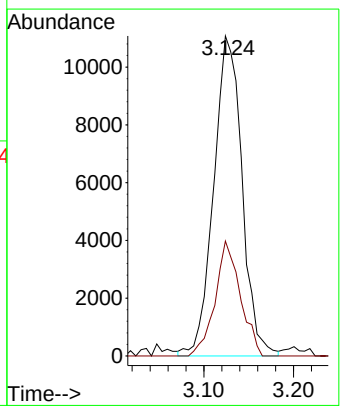


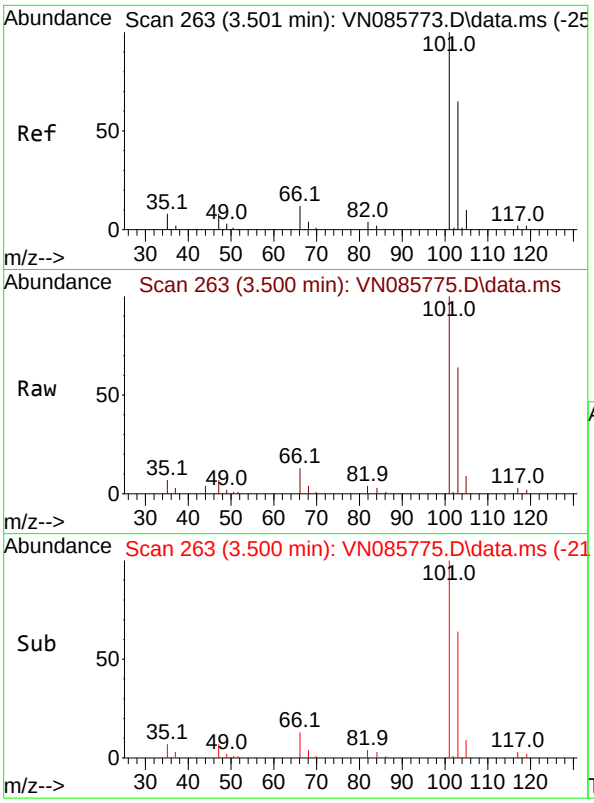


#6
Chloroethane
Concen: 10.772 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 64 Resp: 24265

Ion	Ratio	Lower	Upper
64	100		
66	36.5	27.0	40.6



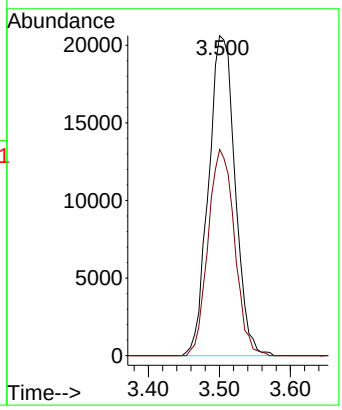


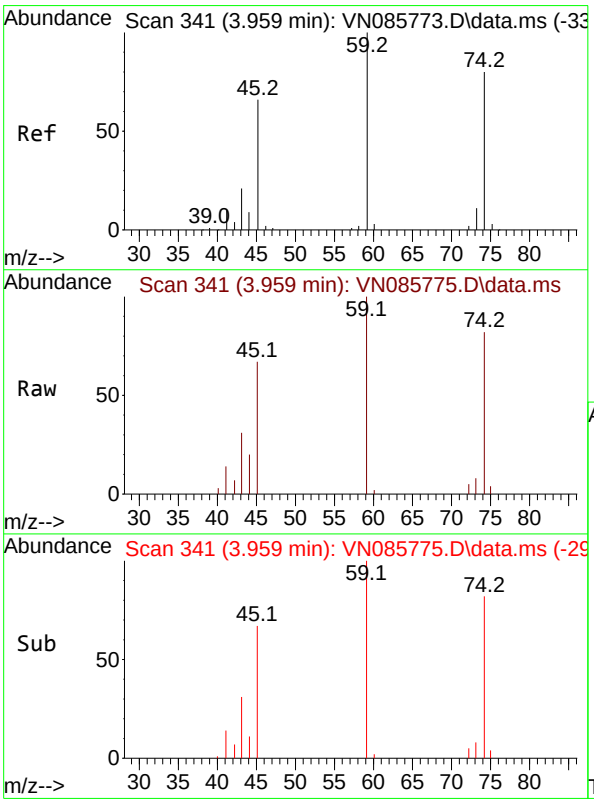
#7
Trichlorofluoromethane
Concen: 10.841 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 53380

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.4

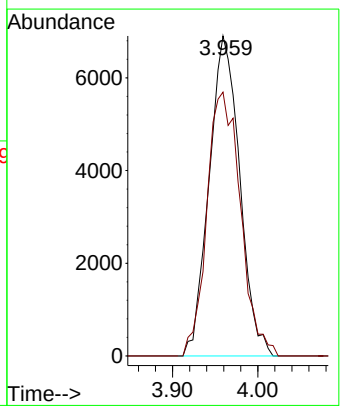


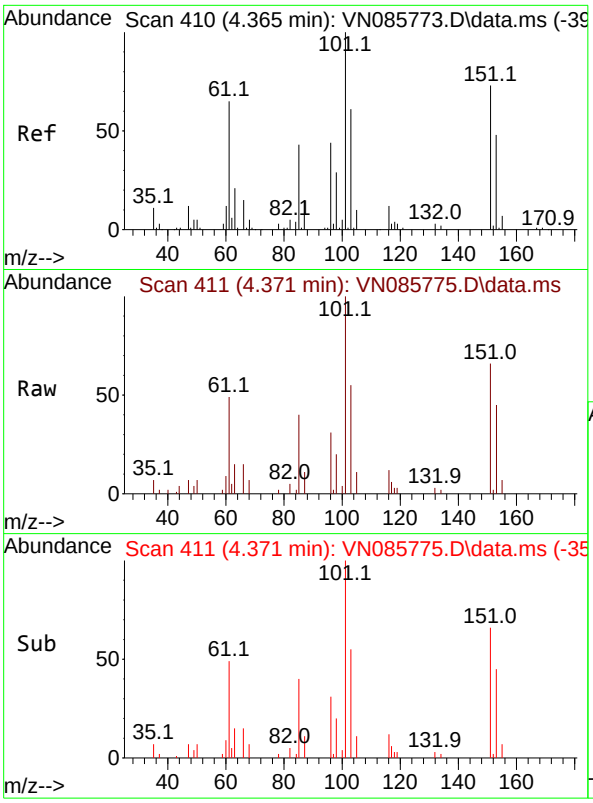


#8
Diethyl Ether
Concen: 10.819 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 74 Resp: 17236

Ion	Ratio	Lower	Upper
74	100		
45	90.3	42.5	127.6



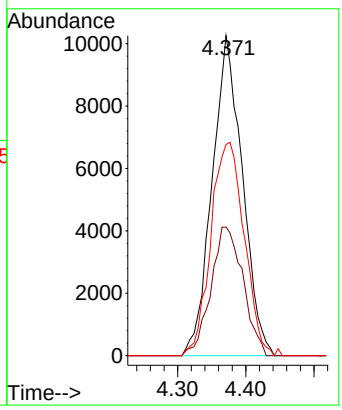


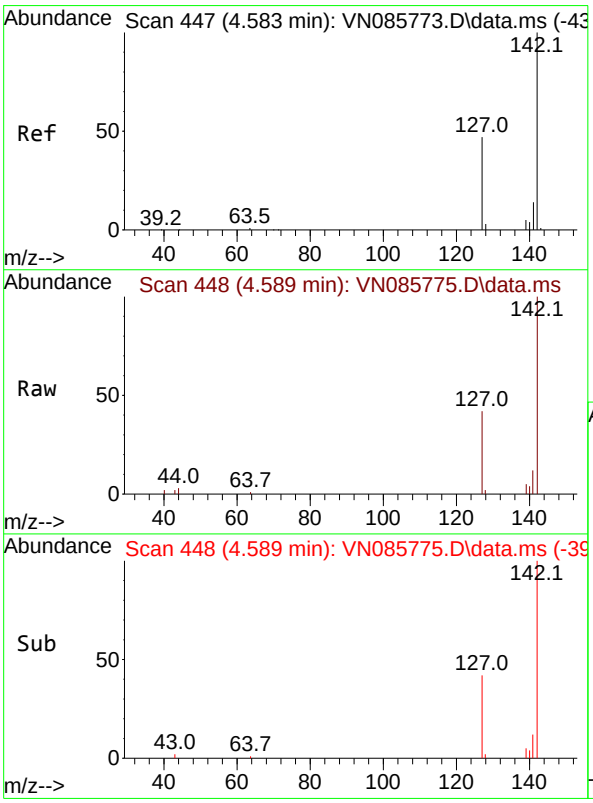
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.146 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 31724

Ion	Ratio	Lower	Upper
101	100		
85	42.7	35.7	53.5
151	73.2	61.4	92.2

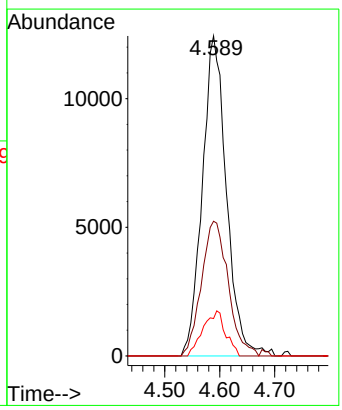


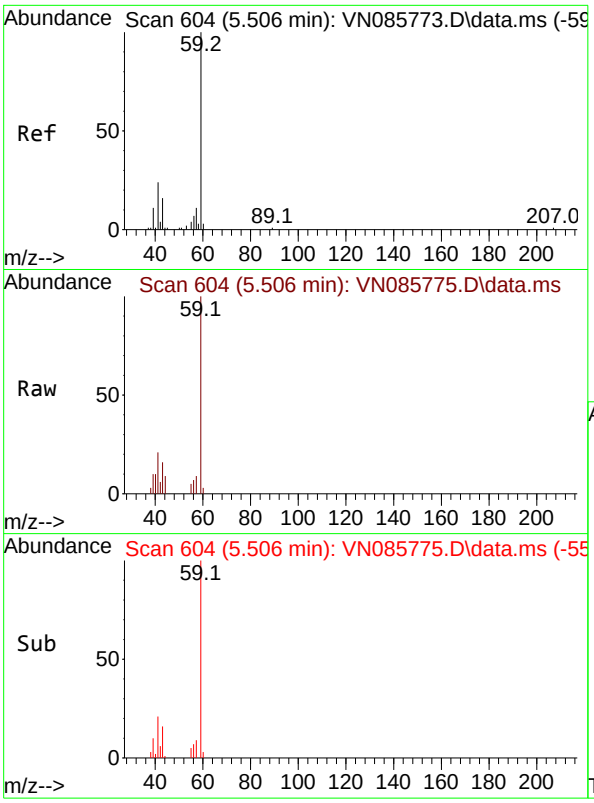


#10
Methyl Iodide
Concen: 10.806 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:142 Resp: 37913

Ion	Ratio	Lower	Upper
142	100		
127	42.1	37.6	56.4
141	11.7	11.4	17.2



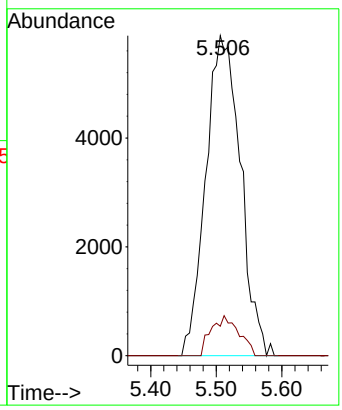


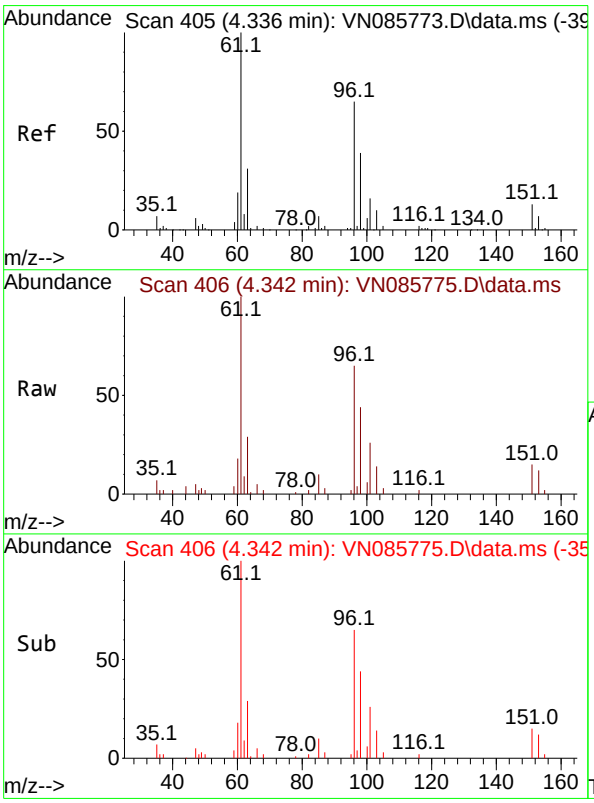
#11
Tert butyl alcohol
Concen: 57.519 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 21584

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

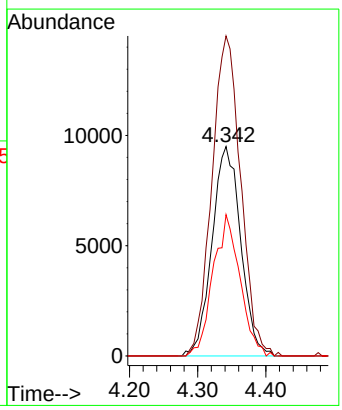


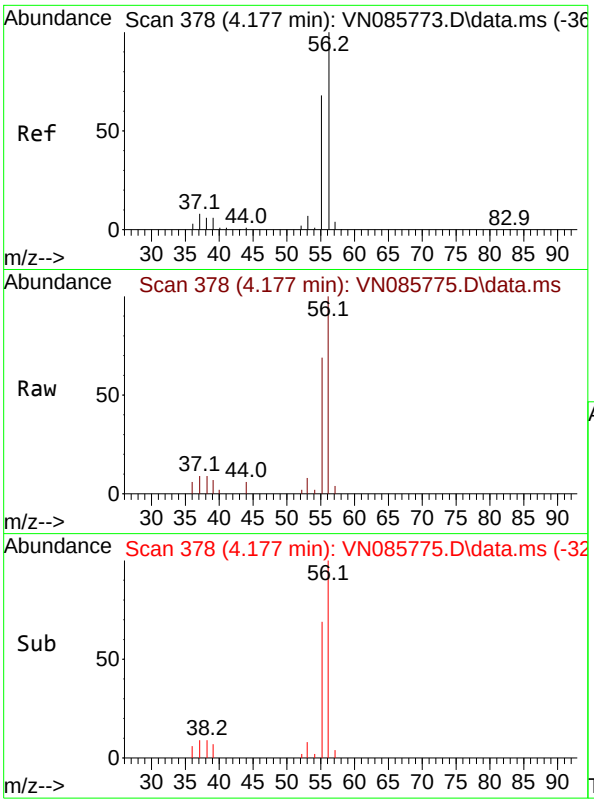


#12
1,1-Dichloroethene
Concen: 10.778 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 96 Resp: 27815

Ion	Ratio	Lower	Upper
96	100		
61	152.7	123.3	184.9
98	67.4	48.6	72.8



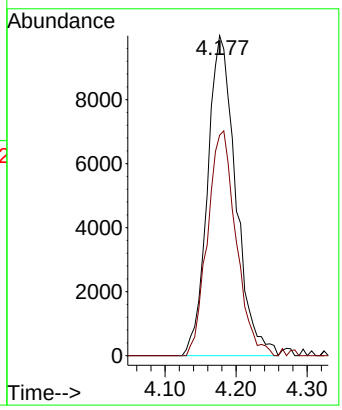


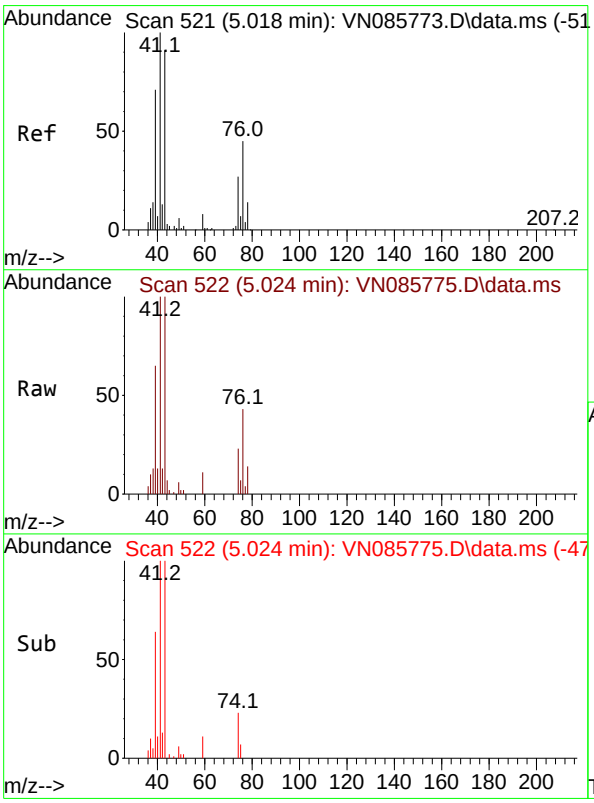
#13
Acrolein
Concen: 49.677 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 27644

Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.3	82.9

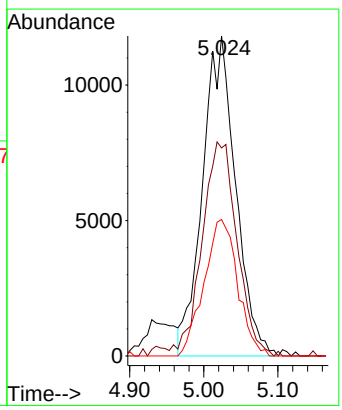


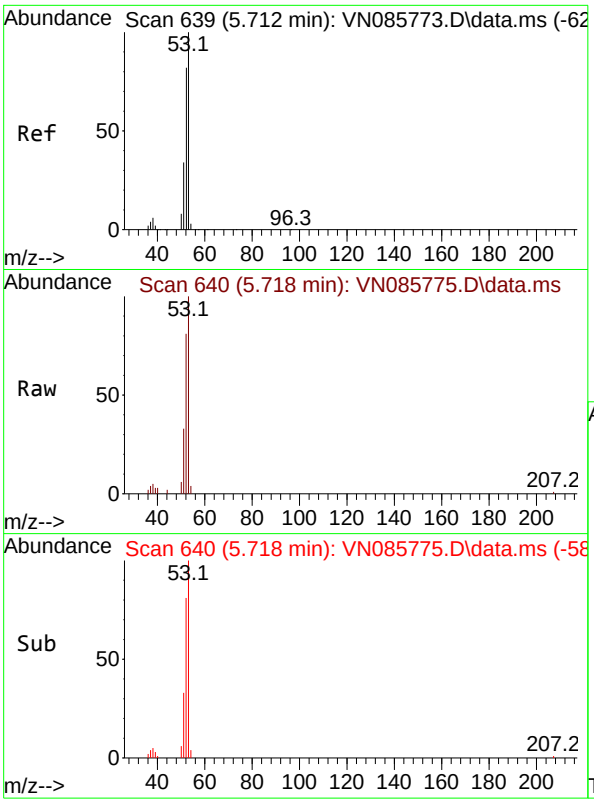


#14
Allyl chloride
Concen: 10.809 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 41 Resp: 36624

Ion	Ratio	Lower	Upper
41	100		
39	70.9	57.4	86.2
76	43.4	36.2	54.2



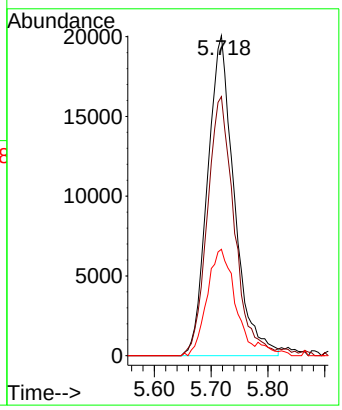


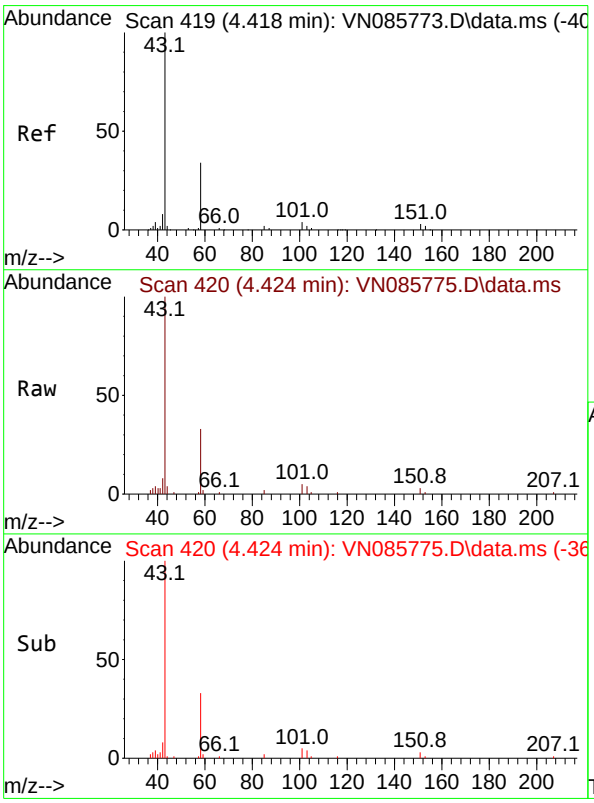
#15
Acrylonitrile
Concen: 53.643 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 65440

Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.8	98.6
51	34.5	28.6	42.8

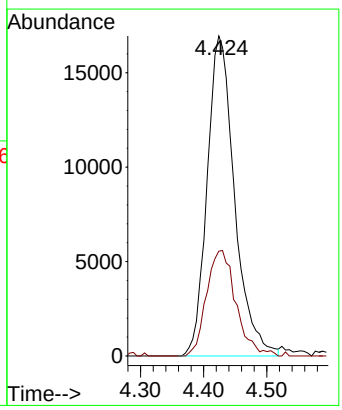


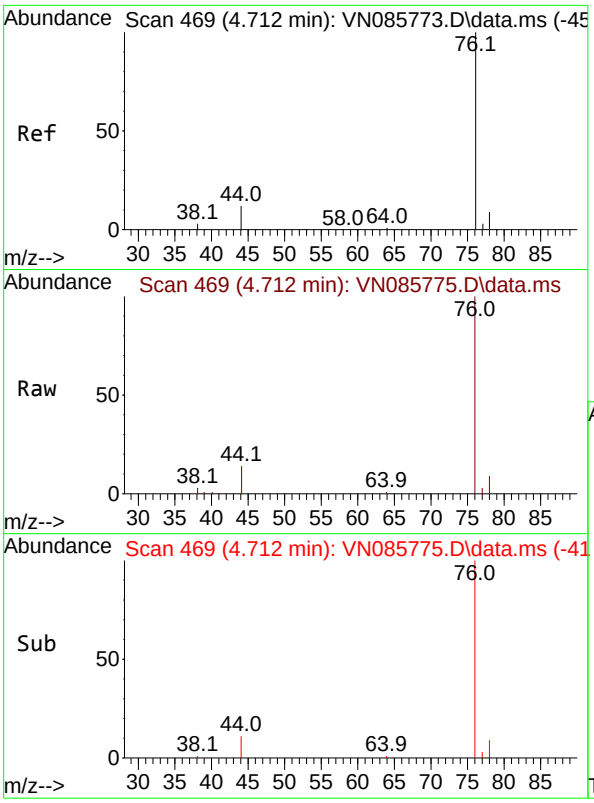


#16
Acetone
Concen: 53.007 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 51172

Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.5	41.3



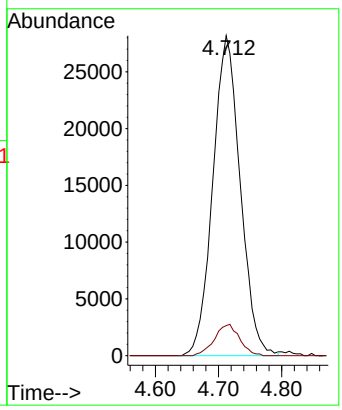


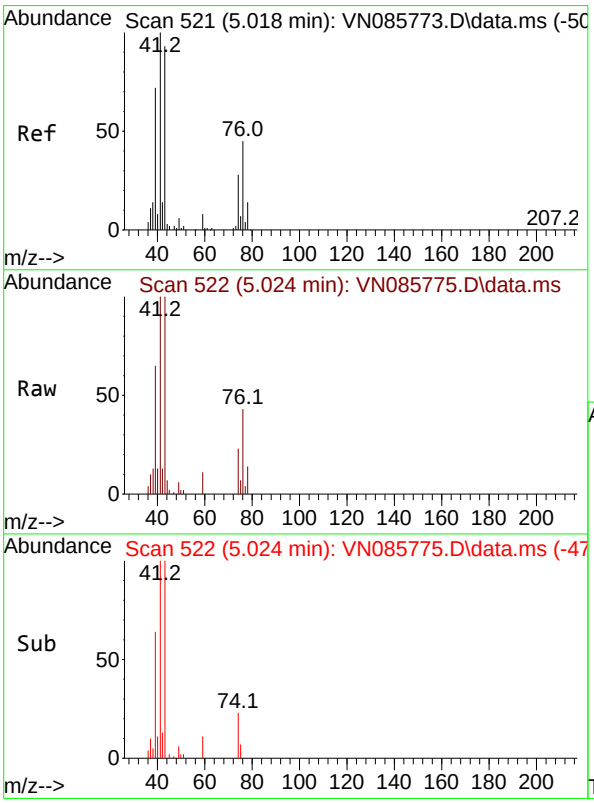
#17
Carbon Disulfide
Concen: 11.102 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 84915

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

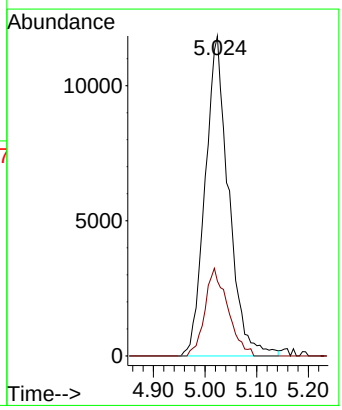


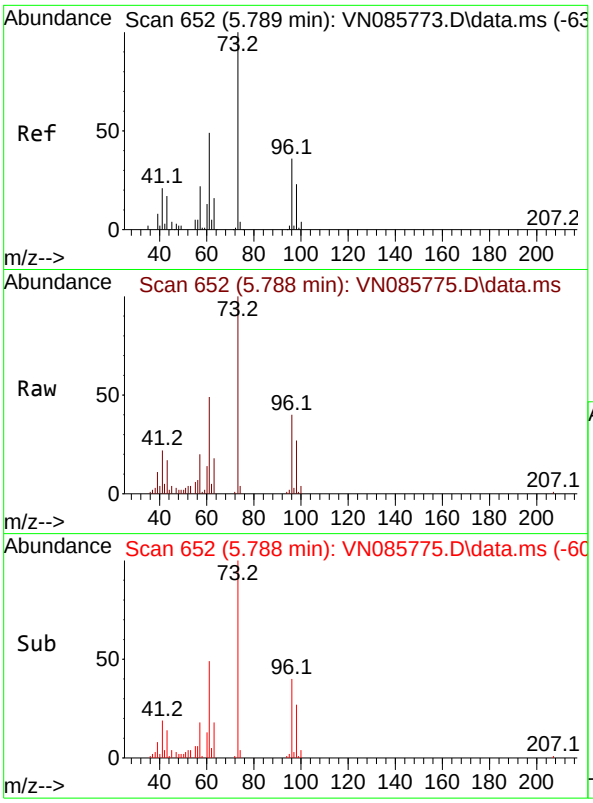


#18
Methyl Acetate
Concen: 11.250 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 37354

Ion	Ratio	Lower	Upper
43	100		
74	26.9	22.2	33.4



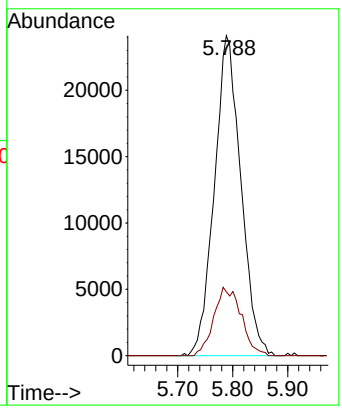


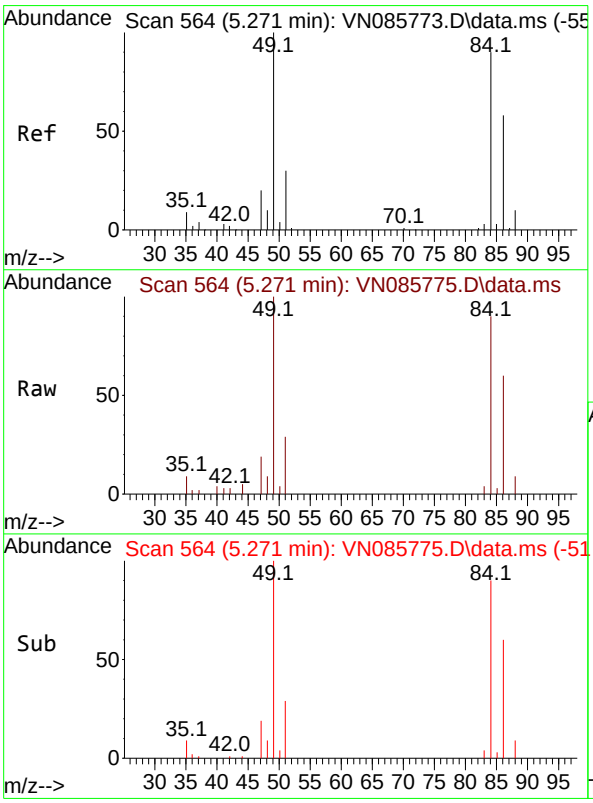
#19
Methyl tert-butyl Ether
Concen: 10.521 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 80686

Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.6	26.4

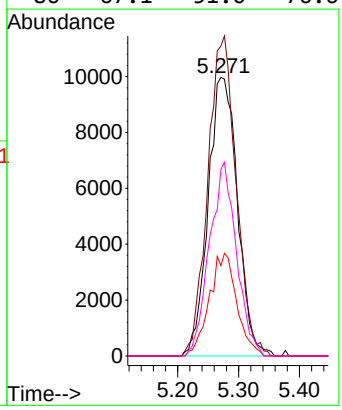


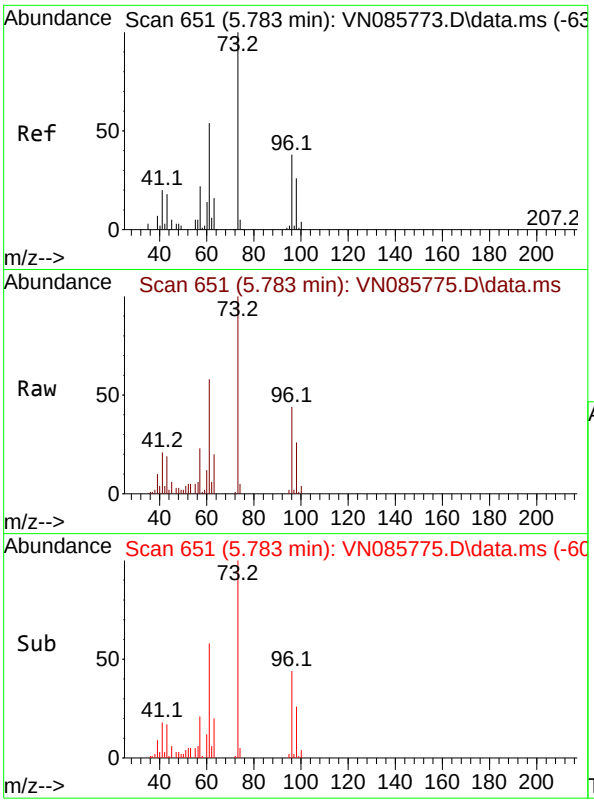


#20
Methylene Chloride
Concen: 10.762 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 84 Resp: 33412

Ion	Ratio	Lower	Upper
84	100		
49	111.3	88.4	132.6
51	32.4	26.6	40.0
86	67.1	51.0	76.6



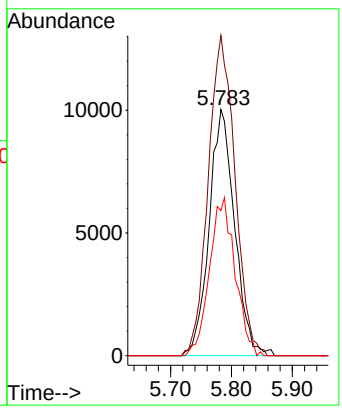


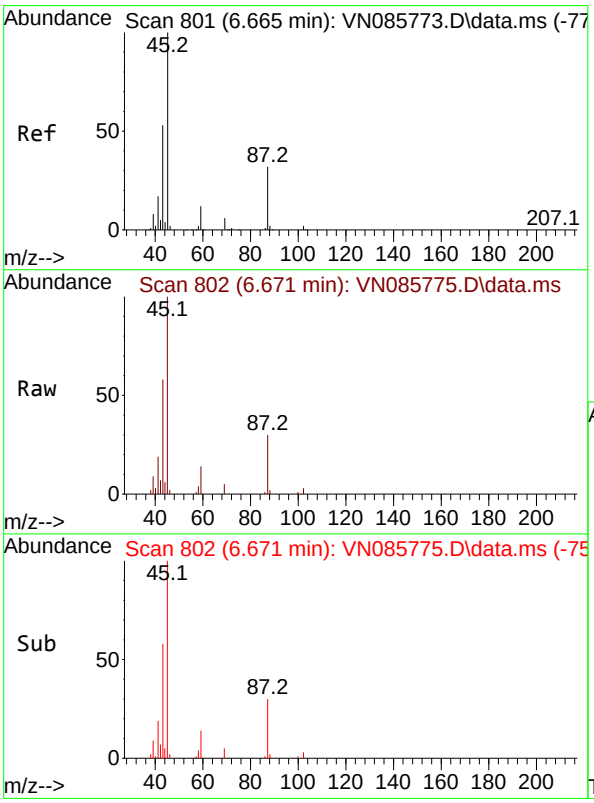
#21
trans-1,2-Dichloroethene
Concen: 10.517 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 29226

Ion	Ratio	Lower	Upper
96	100		
61	130.0	112.6	168.8
98	59.0	53.3	79.9

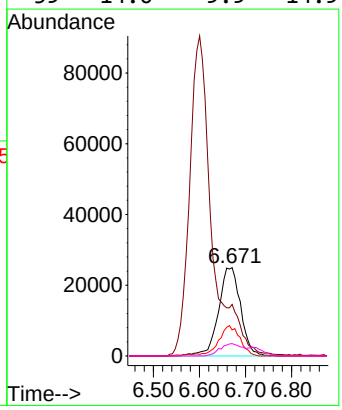


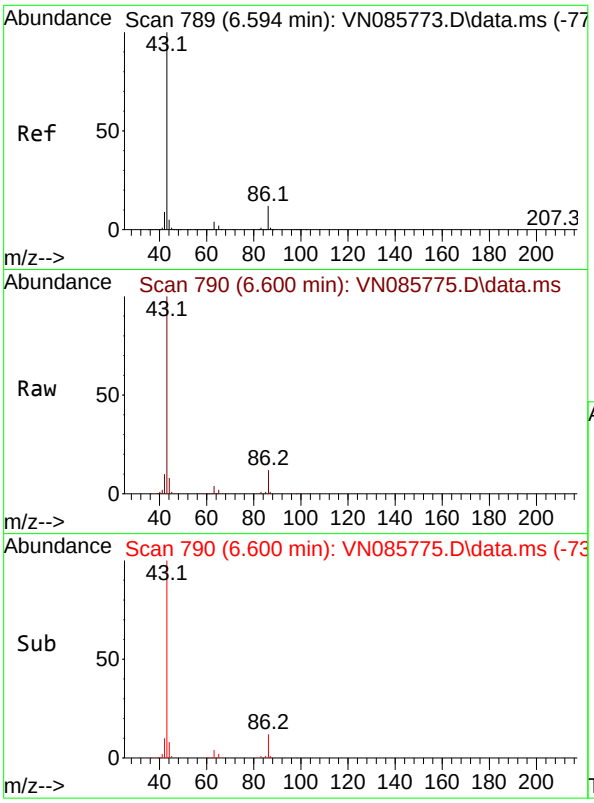


#22
Diisopropyl ether
Concen: 10.841 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 45 Resp: 83002

Ion	Ratio	Lower	Upper
45	100		
43	56.6	42.6	64.0
87	29.5	25.8	38.8
59	14.0	9.9	14.9



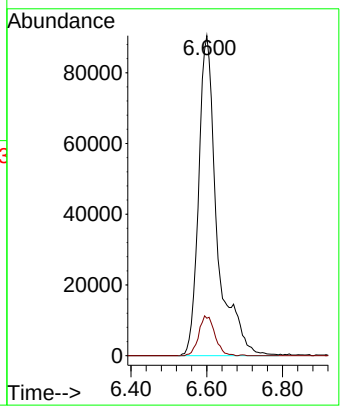


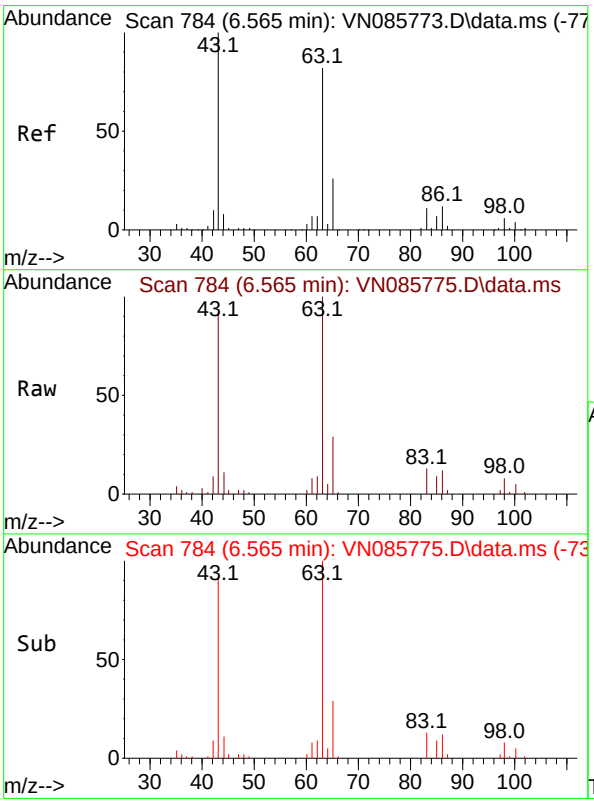
#23
Vinyl Acetate
Concen: 58.499 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 305726

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.8	14.8

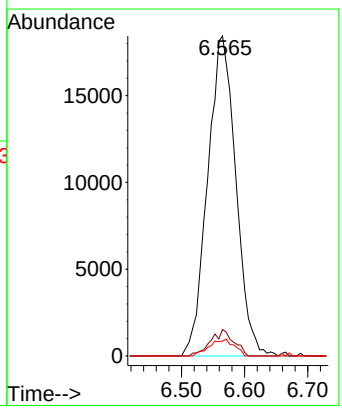


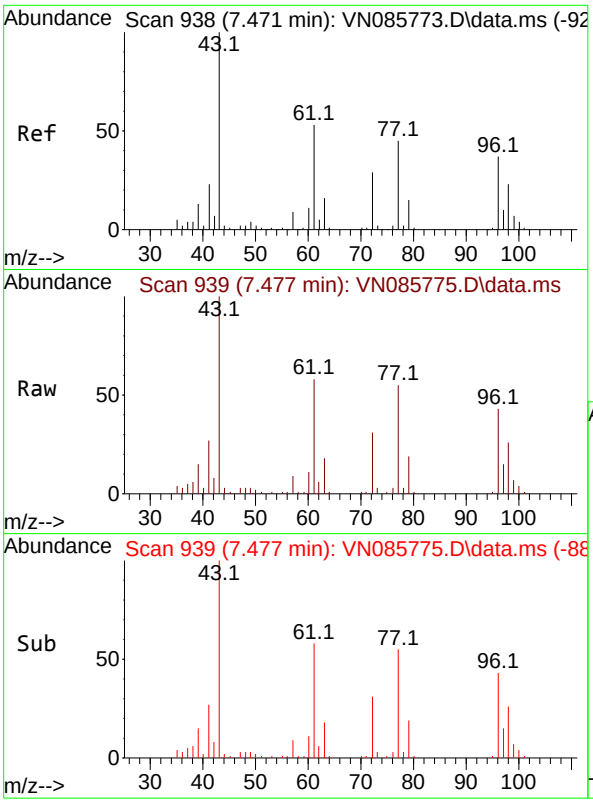


#24
1,1-Dichloroethane
Concen: 10.999 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 63 Resp: 57247

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.4
100	4.6	2.4	7.2



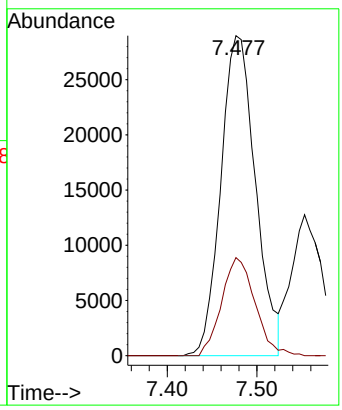


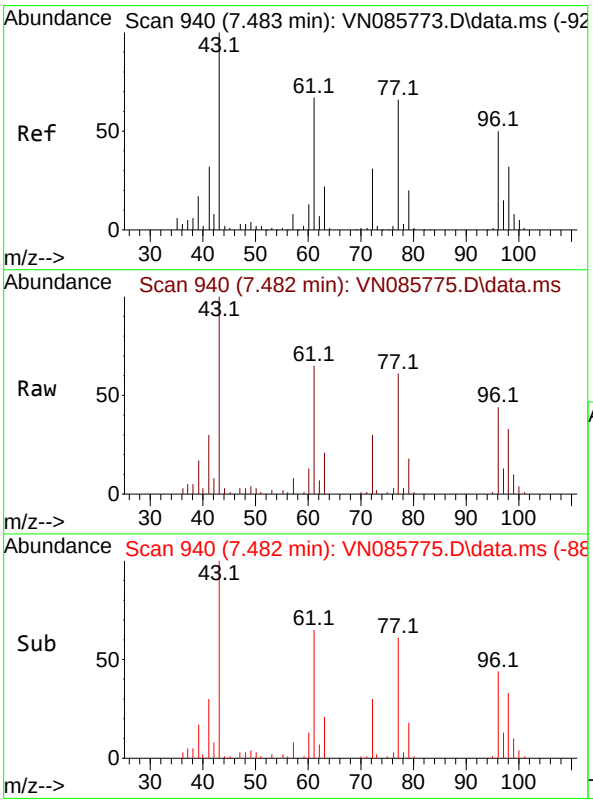
#25
2-Butanone
Concen: 54.772 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 77791

Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.6	35.4

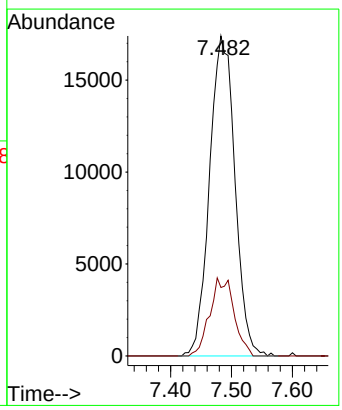


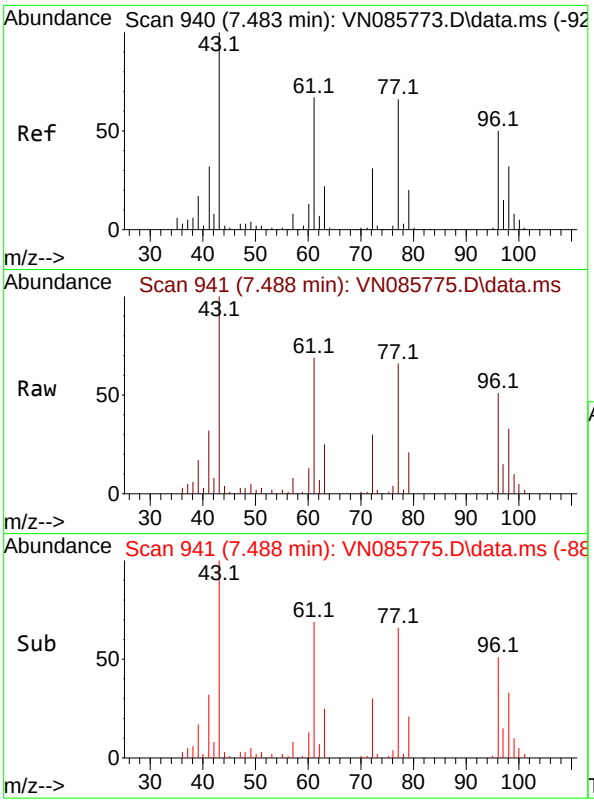


#26
2,2-Dichloropropane
Concen: 10.876 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 77 Resp: 50333

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.3	33.8



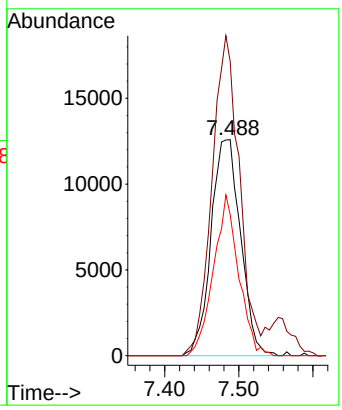


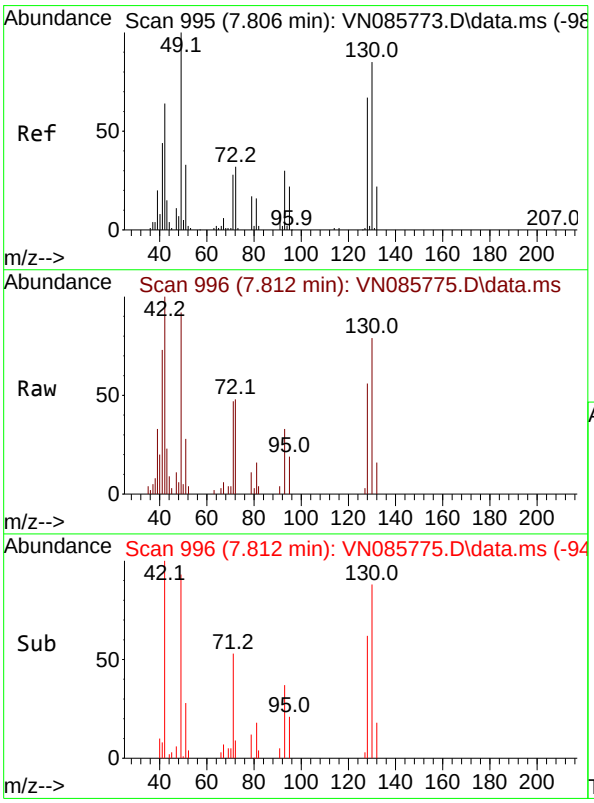
#27
cis-1,2-Dichloroethene
Concen: 10.802 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 34806

Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	280.6
98	63.6	0.0	128.6

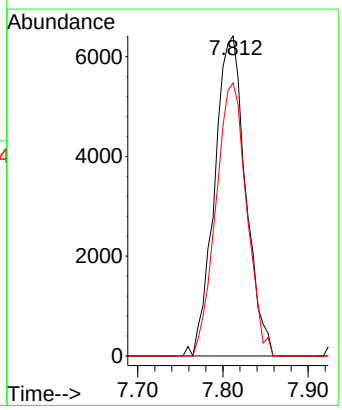


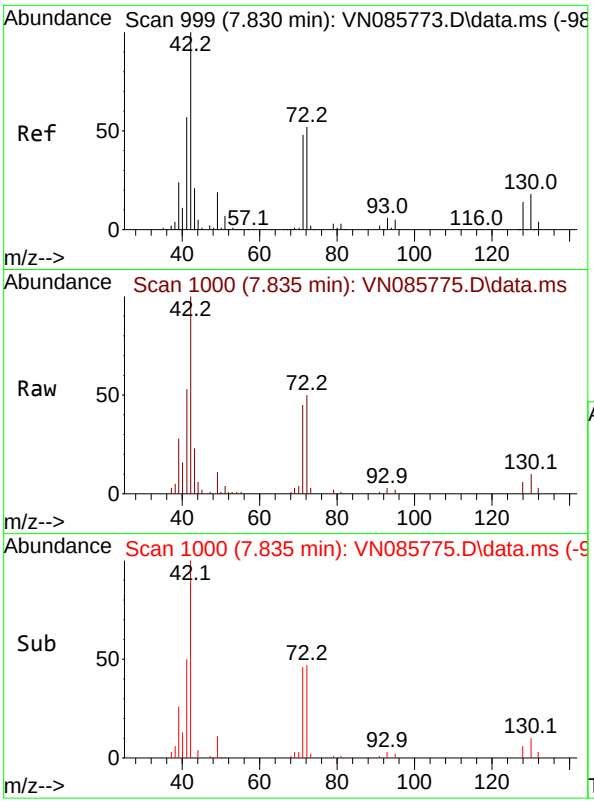


#28
Bromochloromethane
Concen: 7.609 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 49 Resp: 16276

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	84.4	68.0	102.0



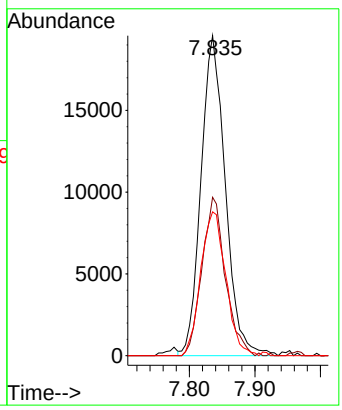


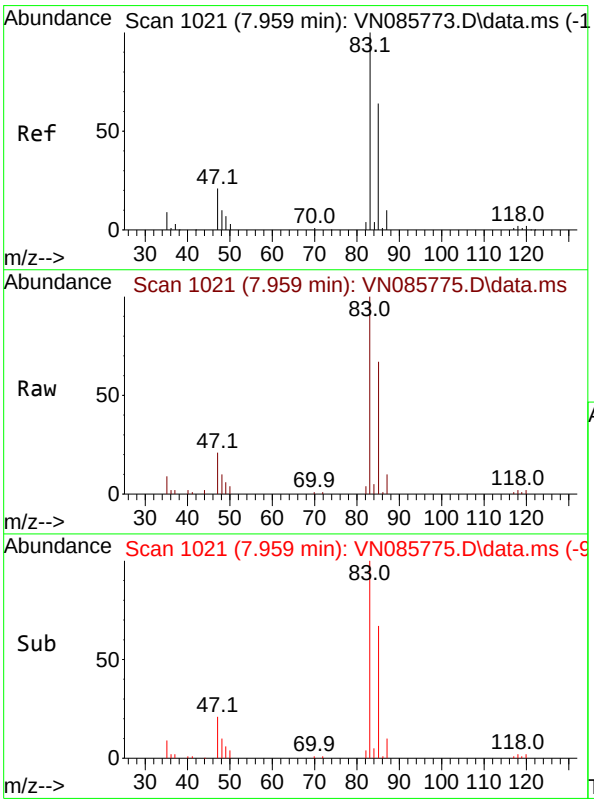
#29
Tetrahydrofuran
Concen: 55.039 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 50478

Ion	Ratio	Lower	Upper
42	100		
72	47.8	40.0	60.0
71	46.2	37.0	55.4

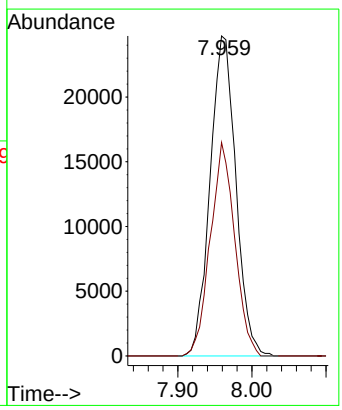


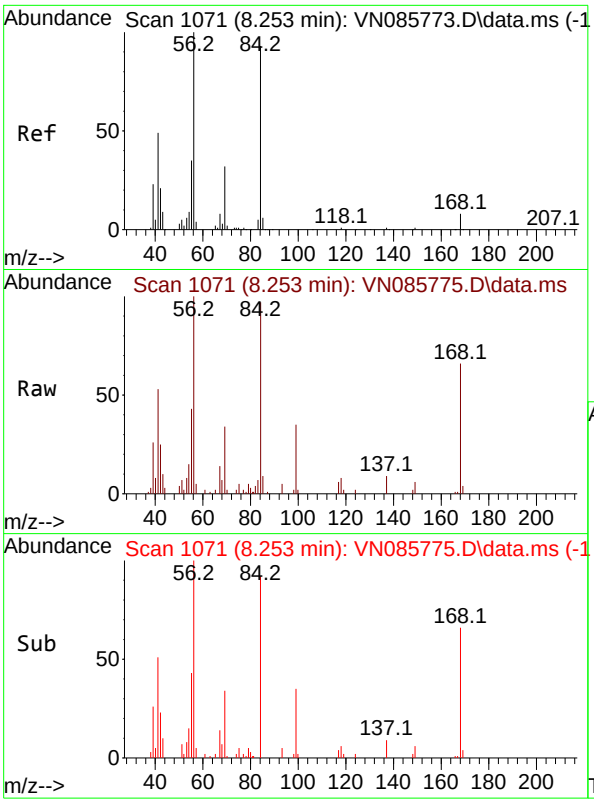


#30
Chloroform
Concen: 10.980 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 83 Resp: 59719

Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.9	76.3



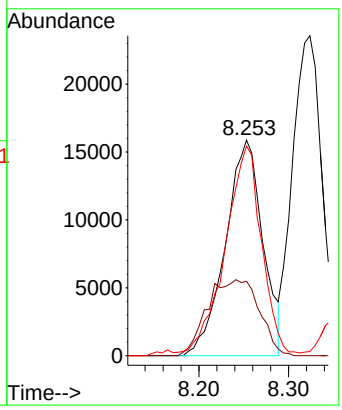


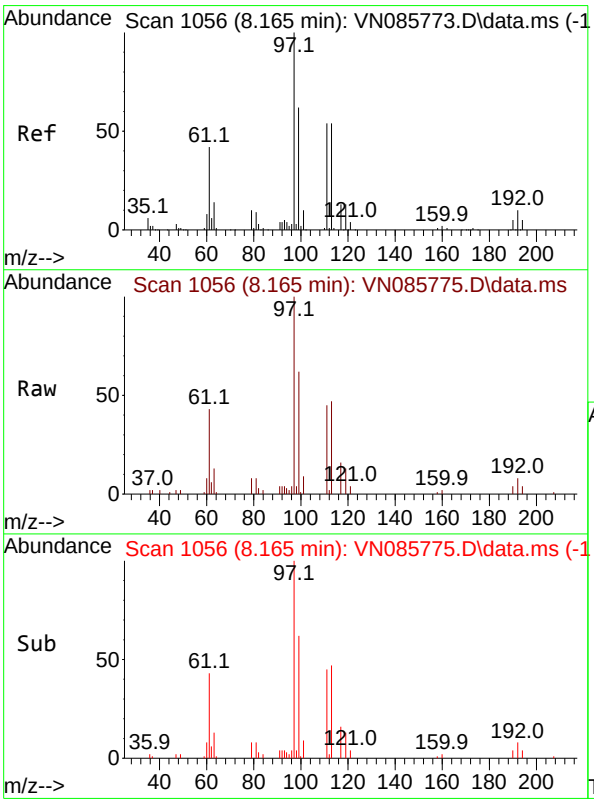
#31
Cyclohexane
Concen: 10.555 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 45995

Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.8	38.6
84	95.6	74.5	111.7

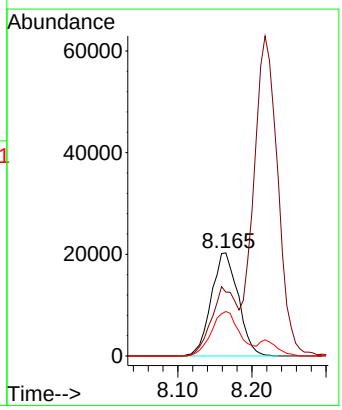


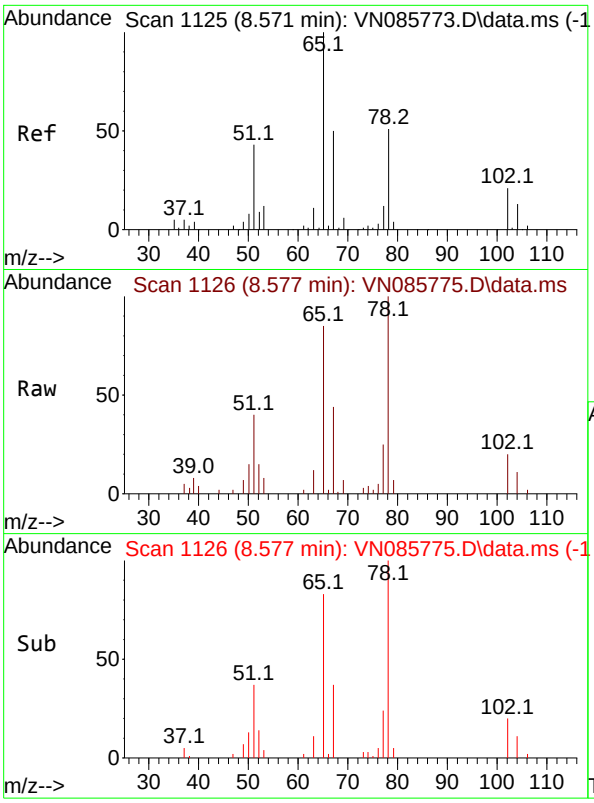


#32
1,1,1-Trichloroethane
Concen: 10.595 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 97 Resp: 51254

Ion	Ratio	Lower	Upper
97	100		
99	61.3	50.4	75.6
61	45.8	35.5	53.3



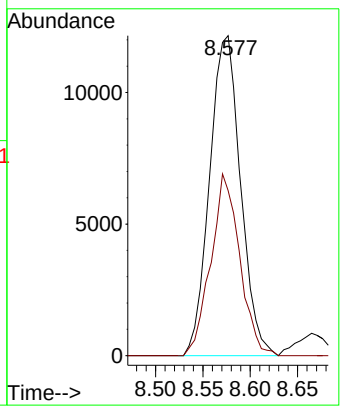


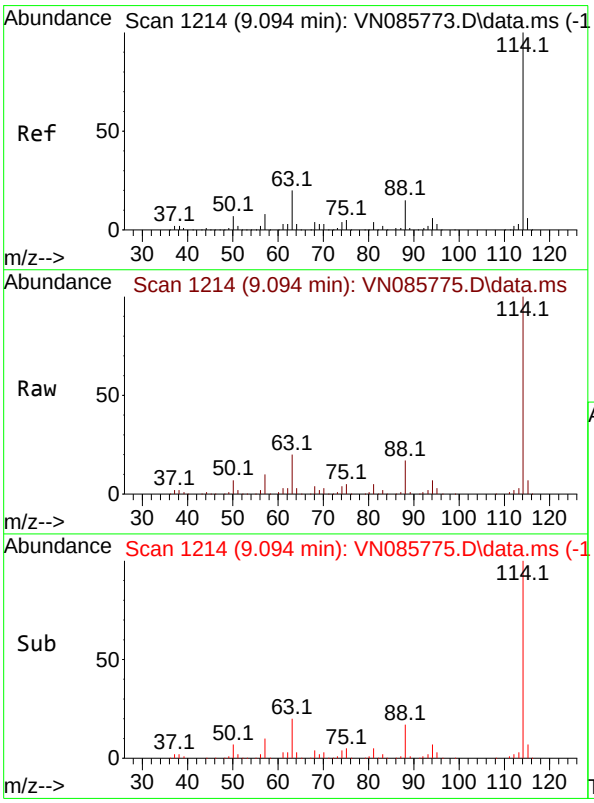
#33
1,2-Dichloroethane-d4
Concen: 9.064 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 27654

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2

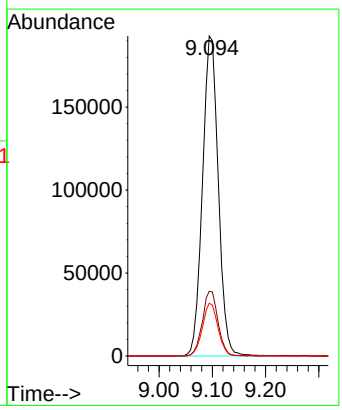


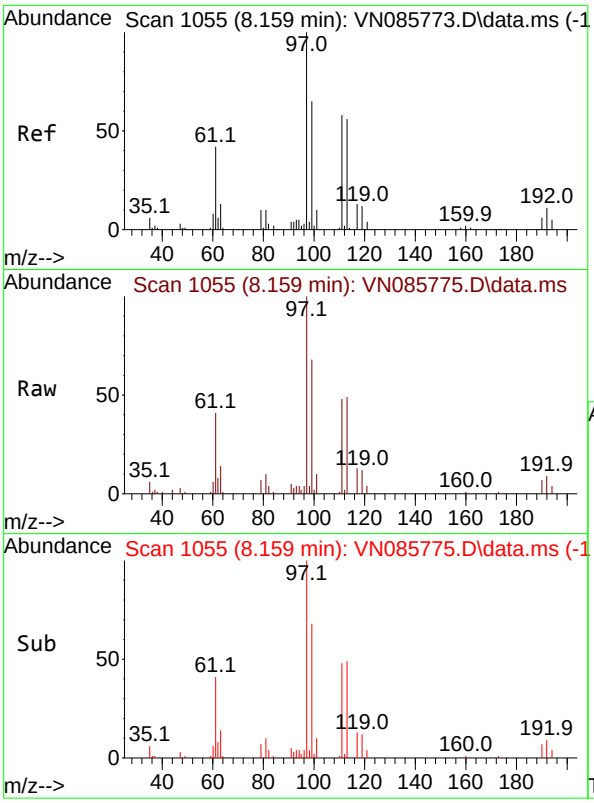


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:114 Resp: 397776

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.2
88	16.5	0.0	30.0



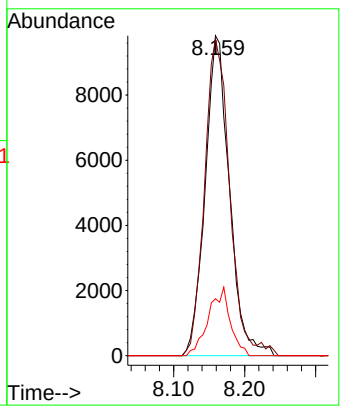


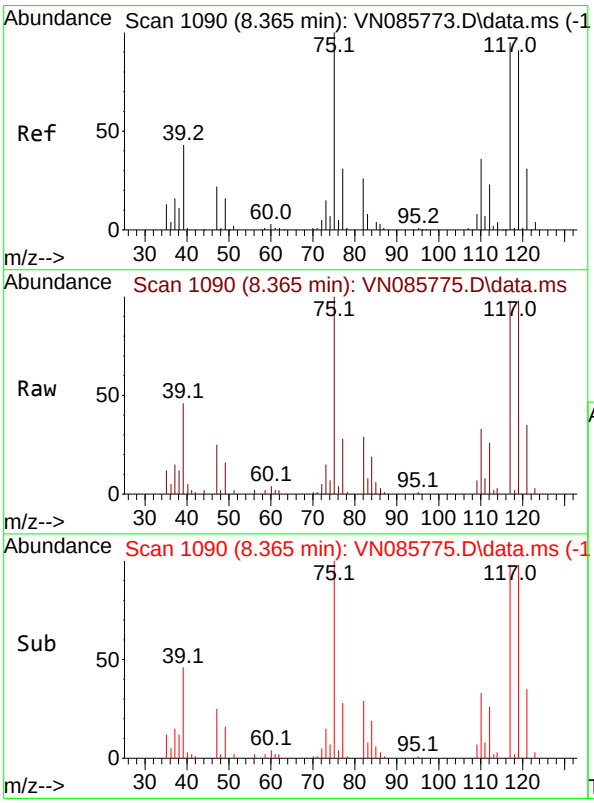
#35
Dibromofluoromethane
Concen: 8.972 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 23353

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	19.2	14.7	22.1

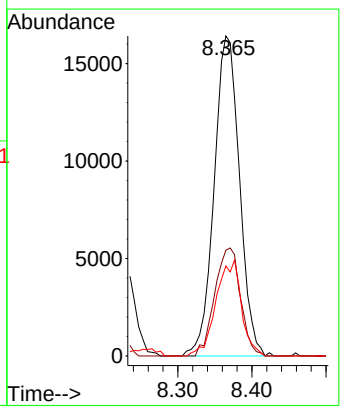


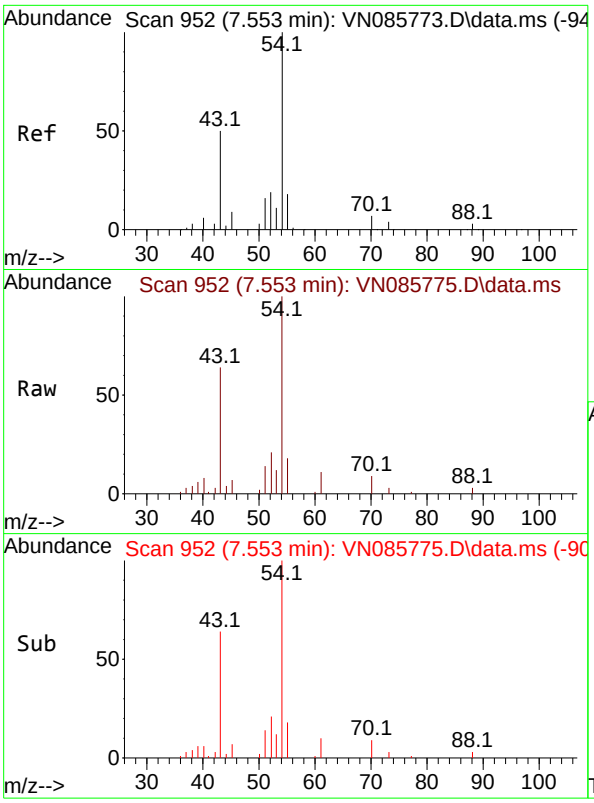


#36
1,1-Dichloropropene
Concen: 10.582 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 38983

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	29.9	24.6	37.0



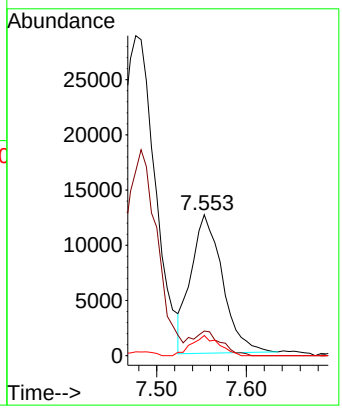


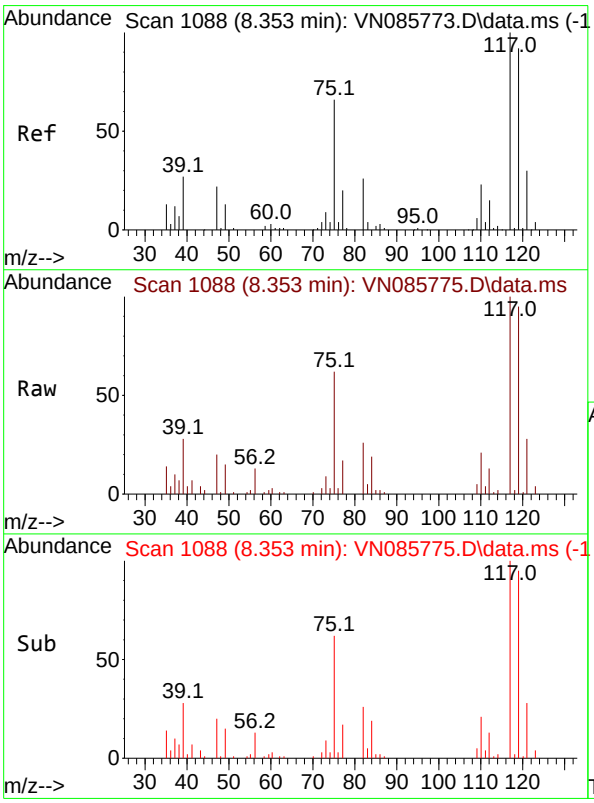
#37
Ethyl Acetate
Concen: 10.115 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 30665

Ion	Ratio	Lower	Upper
43	100		
61	13.0	12.2	18.2
70	12.6	9.5	14.3

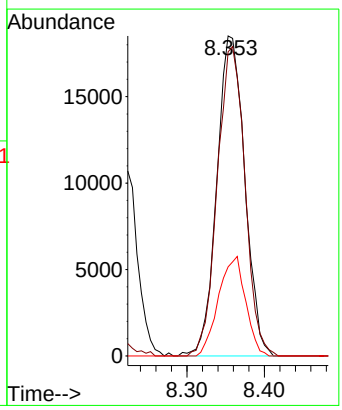


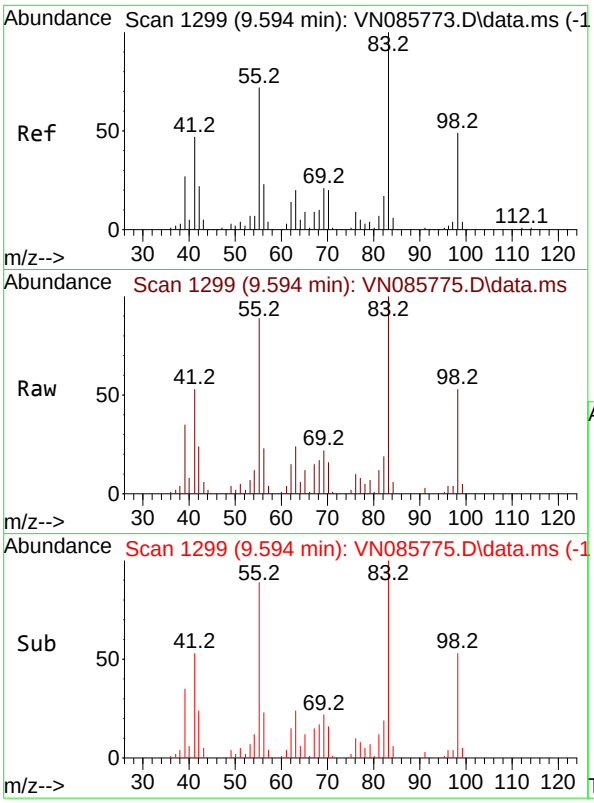


#38
Carbon Tetrachloride
Concen: 10.605 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:117 Resp: 46420

Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.8	110.6
121	27.8	24.3	36.5



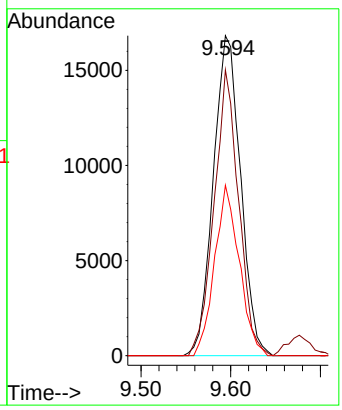


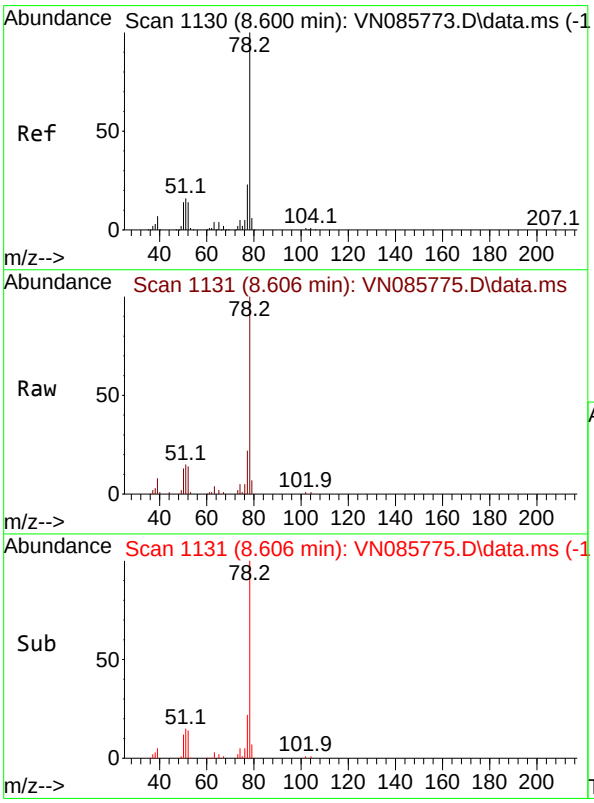
#39
Methylcyclohexane
Concen: 9.803 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 35475

Ion	Ratio	Lower	Upper
83	100		
55	89.3	57.5	86.3#
98	53.2	39.2	58.8

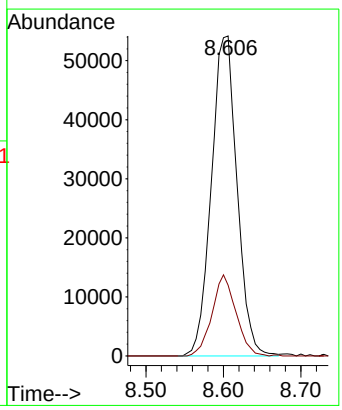


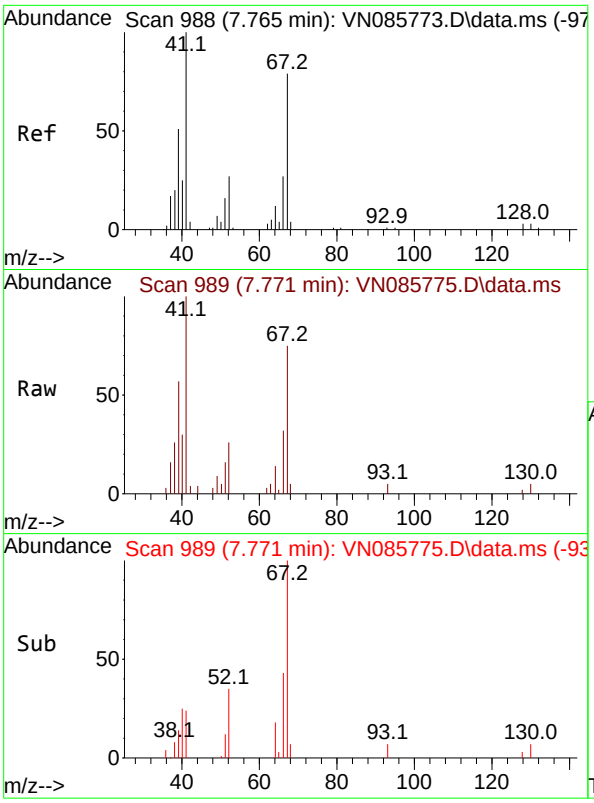


#40
Benzene
Concen: 10.562 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 78 Resp: 124704

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.3	27.5



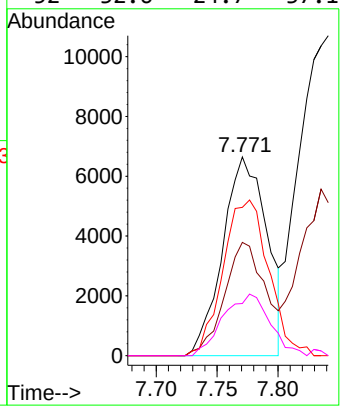


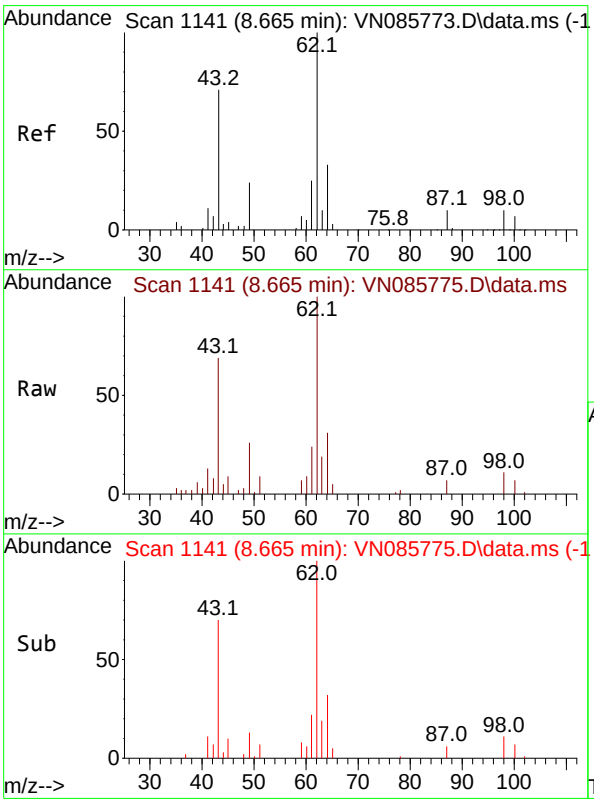
#41
Methacrylonitrile
Concen: 10.373 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 16811

Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.0	63.0
67	80.7	64.2	96.4
52	32.6	24.7	37.1

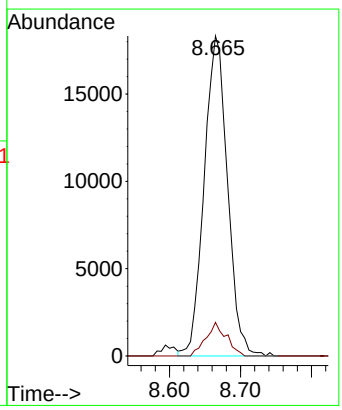


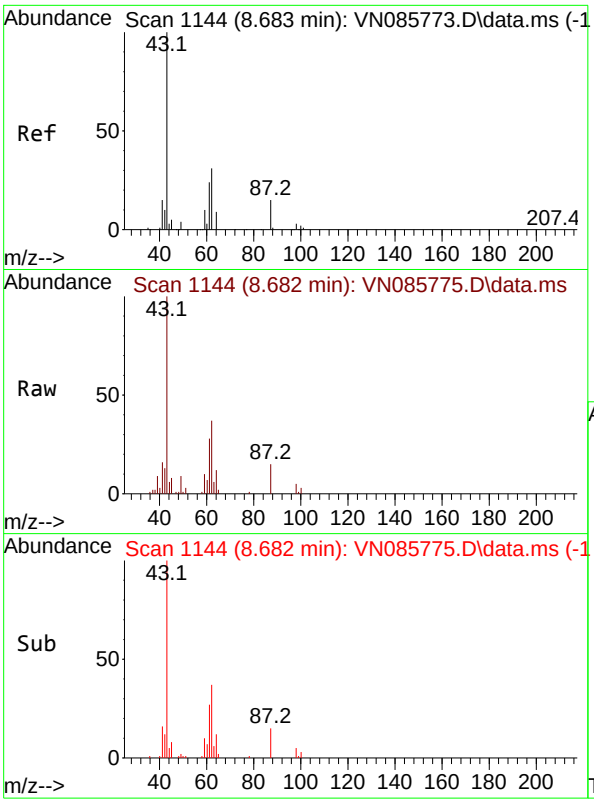


#42
1,2-Dichloroethane
Concen: 10.898 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 62 Resp: 41912

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.6



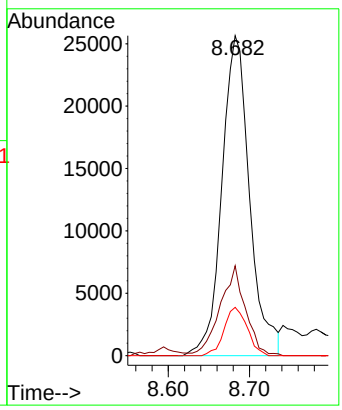


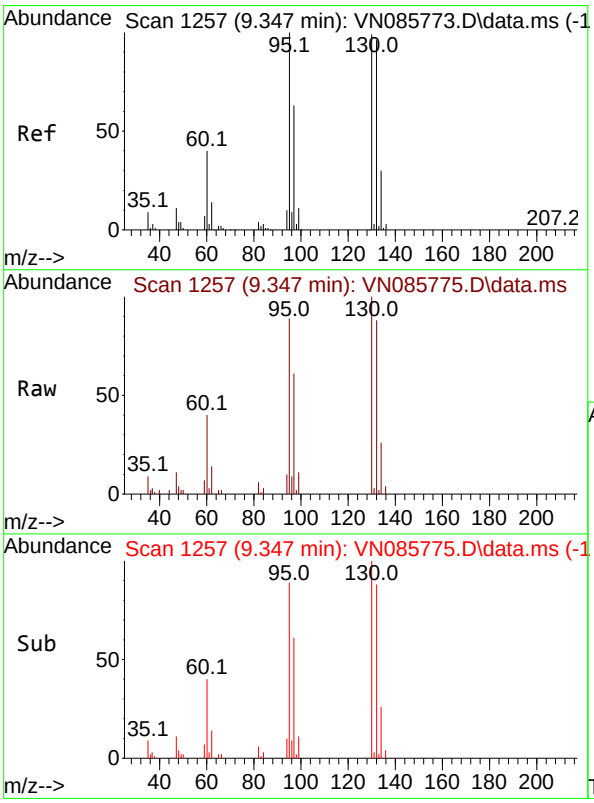
#43
Isopropyl Acetate
Concen: 11.001 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 60794

Ion	Ratio	Lower	Upper
43	100		
61	25.9	22.6	34.0
87	12.7	11.8	17.8

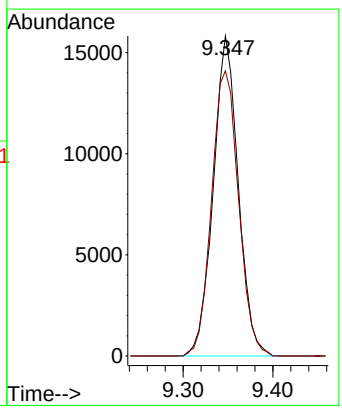


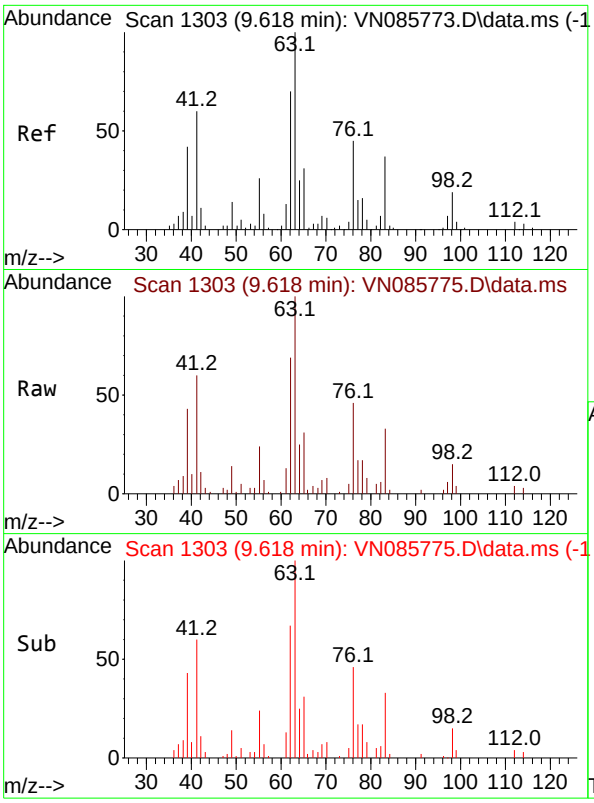


#44
Trichloroethene
Concen: 10.542 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:130 Resp: 30561

Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	202.6



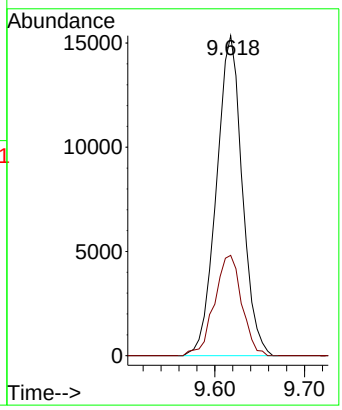


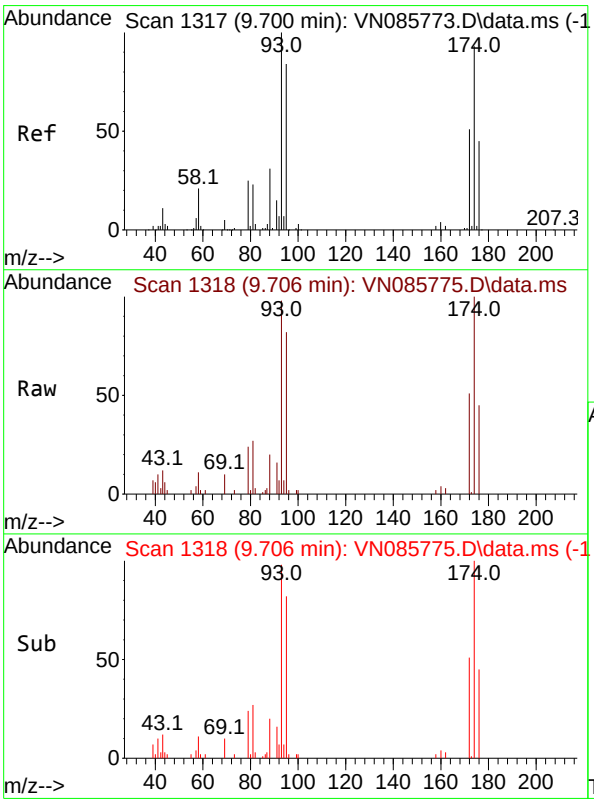
#45
1,2-Dichloropropane
Concen: 10.744 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 30619

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.1	37.7

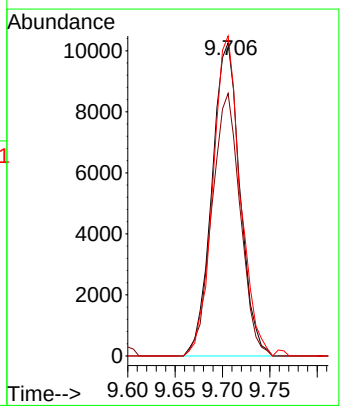


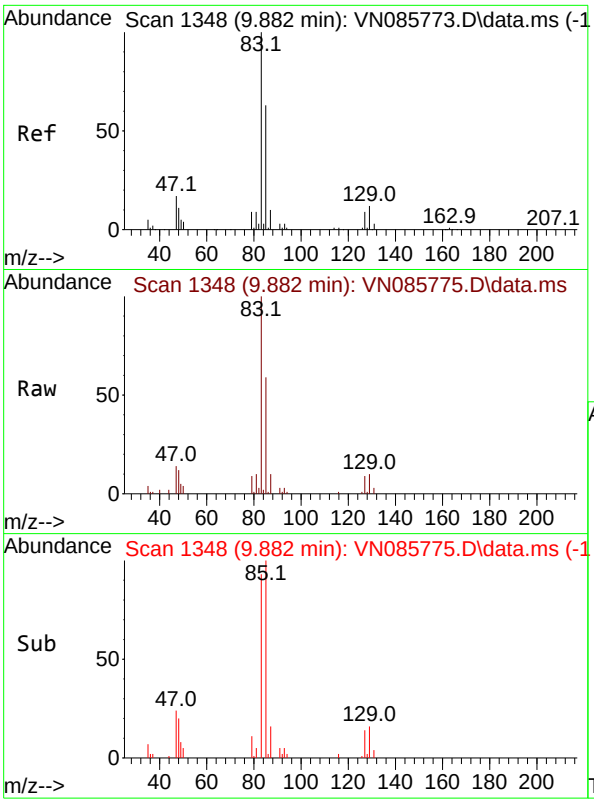


#46
Dibromomethane
Concen: 10.489 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 93 Resp: 21085

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	99.7	77.2	115.8



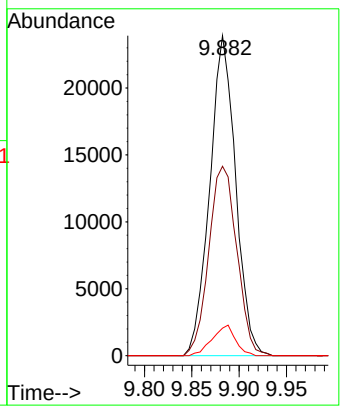


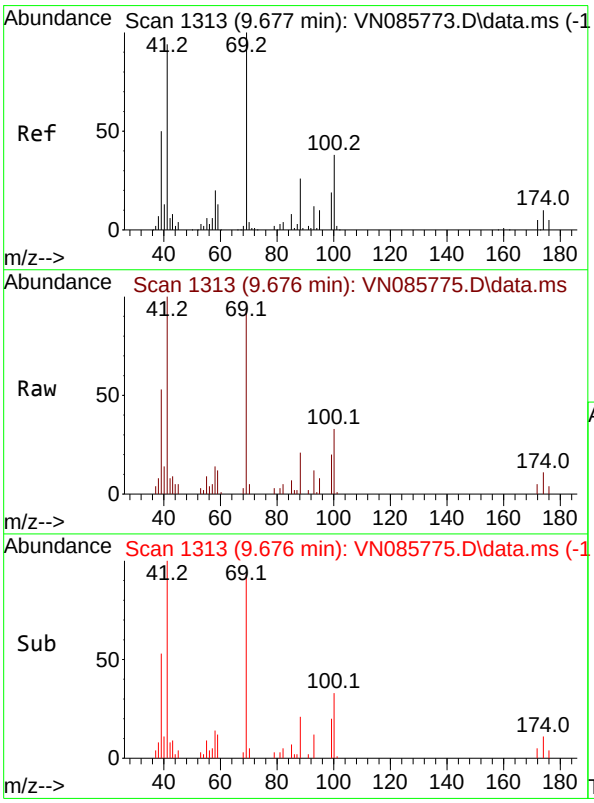
#47
Bromodichloromethane
Concen: 10.559 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 45413

Ion	Ratio	Lower	Upper
83	100		
85	59.2	50.5	75.7
127	8.6	7.2	10.8

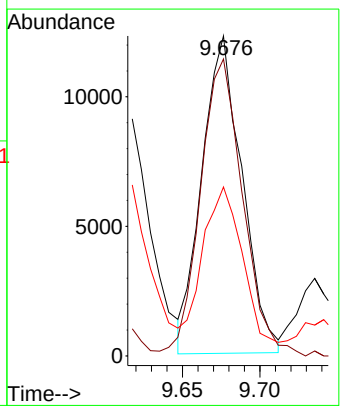


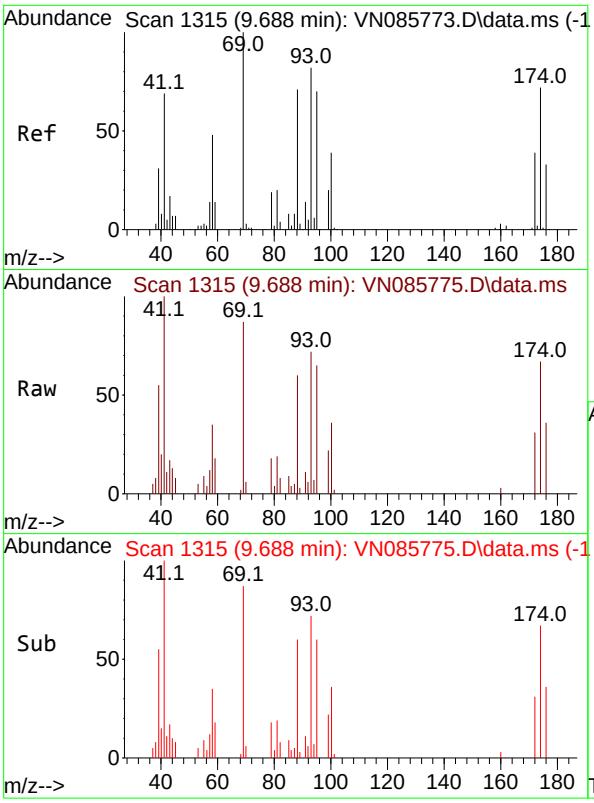


#48
Methyl methacrylate
Concen: 9.798 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 41 Resp: 22058

Ion	Ratio	Lower	Upper
41	100		
69	99.3	76.0	114.0
39	55.9	42.3	63.5



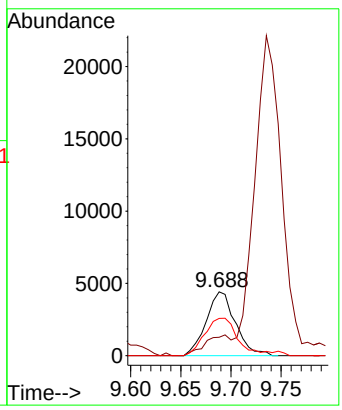


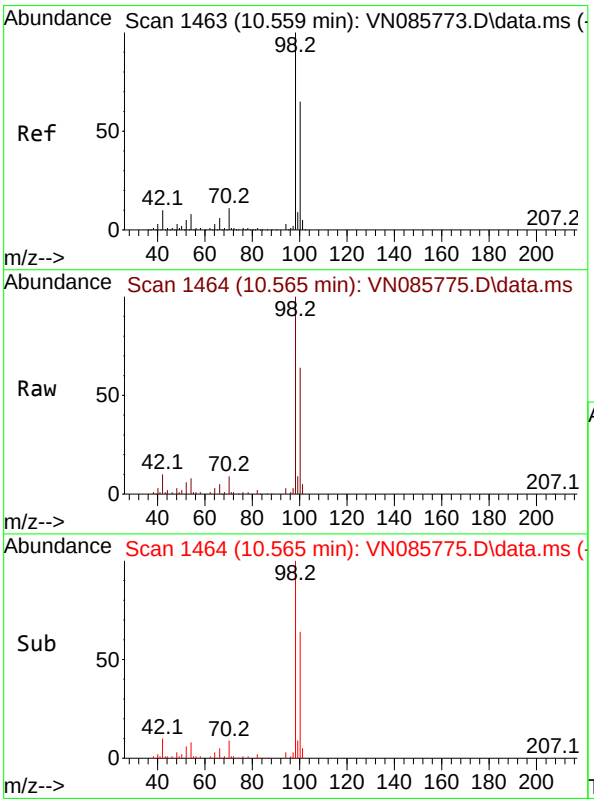
#49
1,4-Dioxane
Concen: 208.723 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 8936

Ion	Ratio	Lower	Upper
88	100		
43	28.6	18.6	27.8#
58	68.4	56.7	85.1

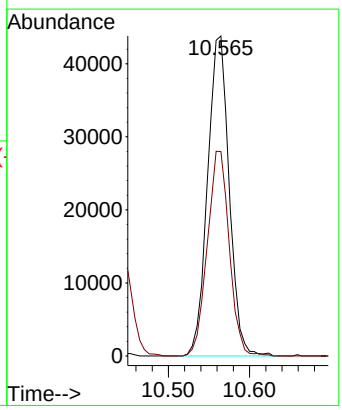


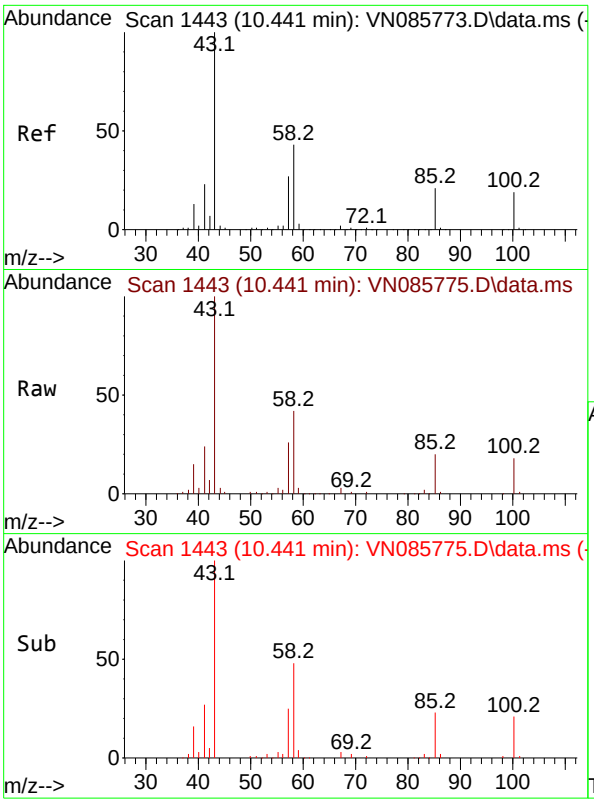


#50
Toluene-d8
Concen: 8.542 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 98 Resp: 80889

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



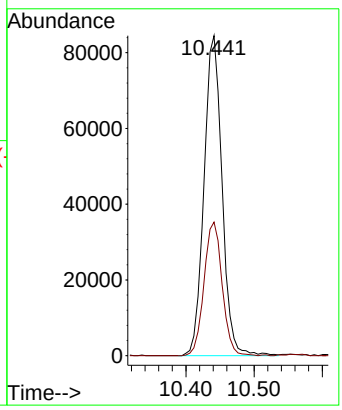


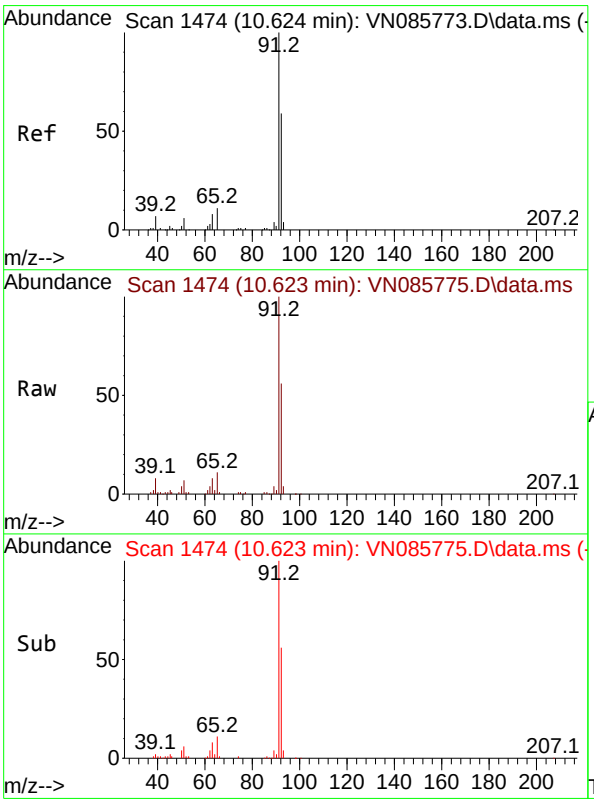
#51
4-Methyl-2-Pentanone
Concen: 53.302 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 155789

Ion	Ratio	Lower	Upper
43	100		
58	41.8	34.6	52.0

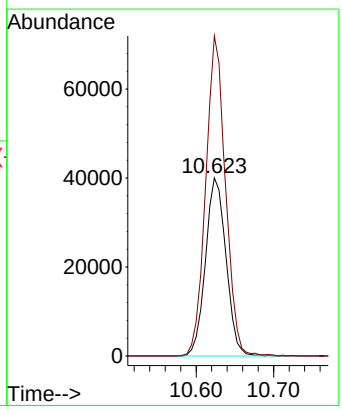


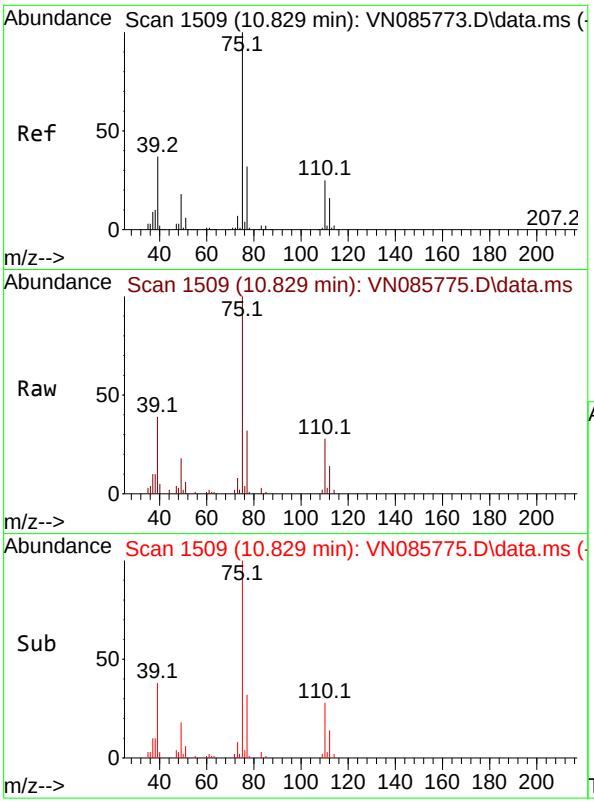


#52
Toluene
Concen: 10.622 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 92 Resp: 73516

Ion	Ratio	Lower	Upper
92	100		
91	173.5	136.9	205.3



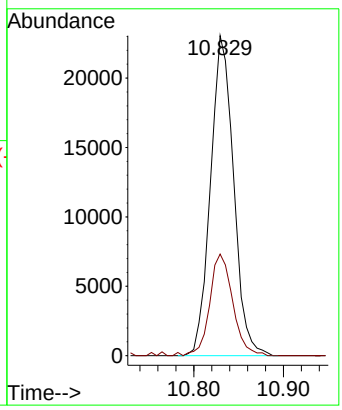


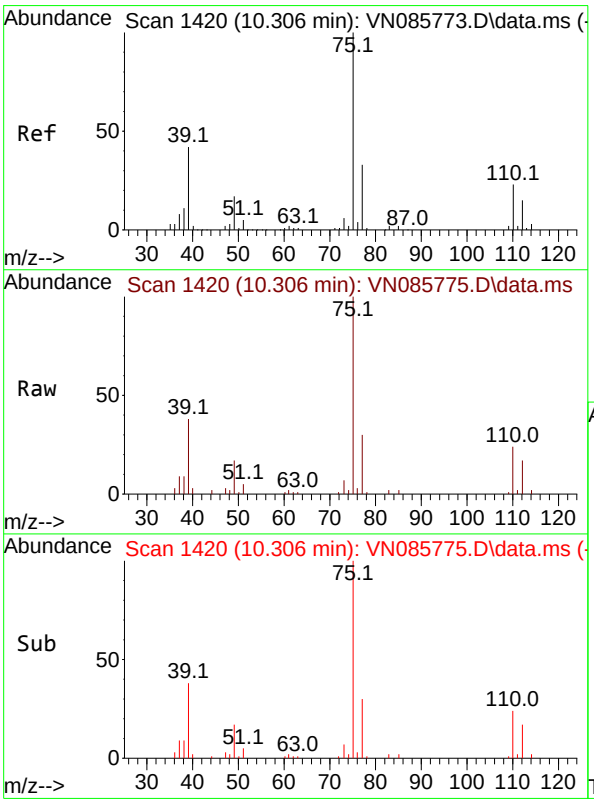
#53
t-1,3-Dichloropropene
Concen: 10.367 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 41230

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

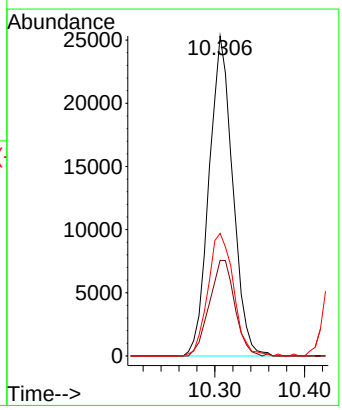


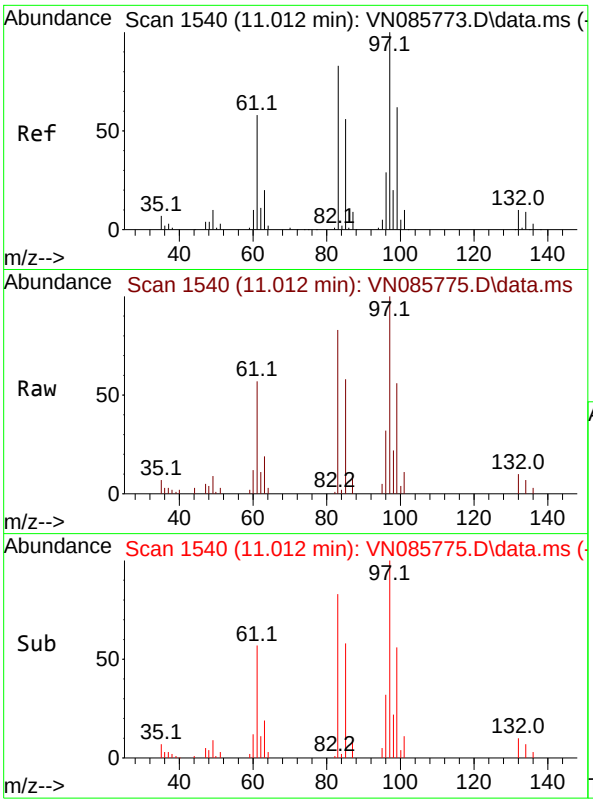


#54
cis-1,3-Dichloropropene
Concen: 10.617 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 46300

Ion	Ratio	Lower	Upper
75	100		
77	29.9	26.1	39.1
39	38.3	33.4	50.0



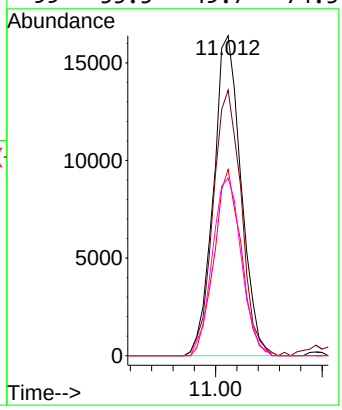


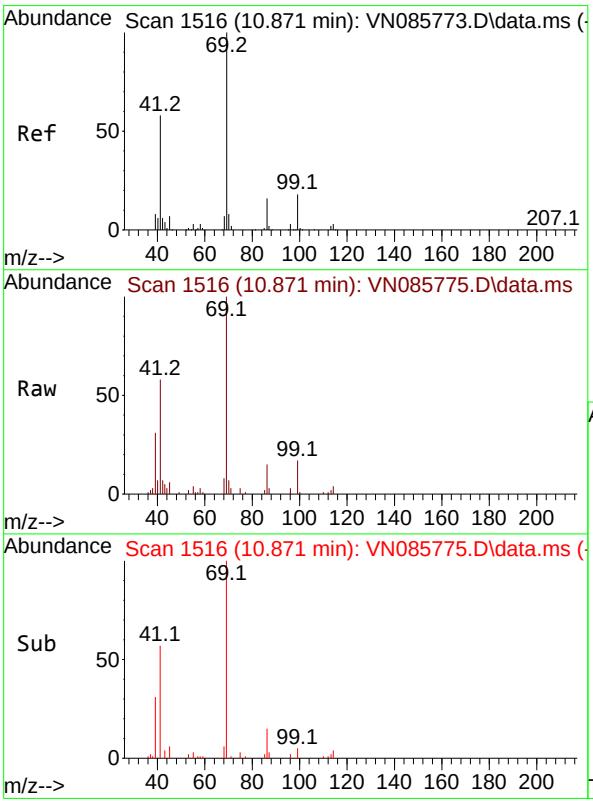
#55
1,1,2-Trichloroethane
Concen: 10.687 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 29408

Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.1	99.1
85	58.2	44.7	67.1
99	55.5	49.7	74.5

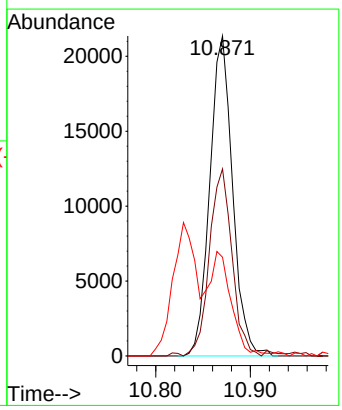


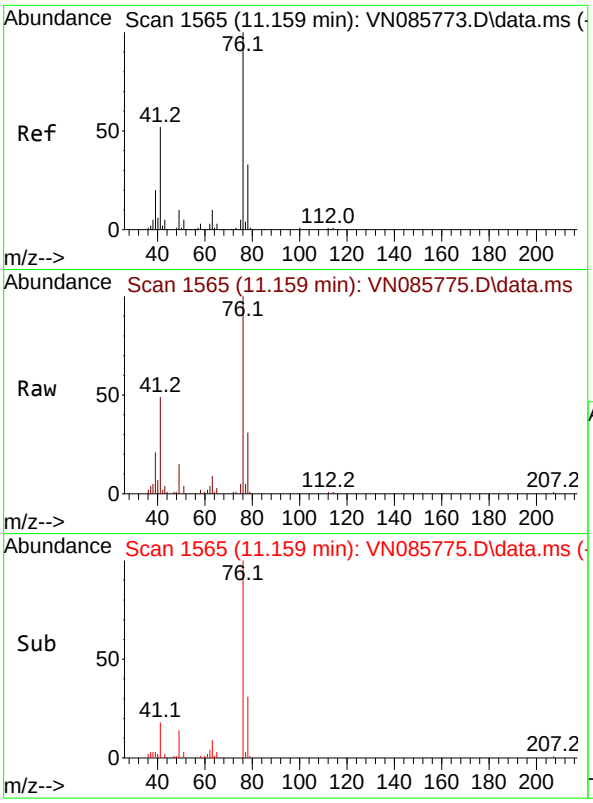


#56
Ethyl methacrylate
Concen: 10.274 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 69 Resp: 35641

Ion	Ratio	Lower	Upper
69	100		
41	58.2	46.0	69.0
39	27.6	22.0	33.0



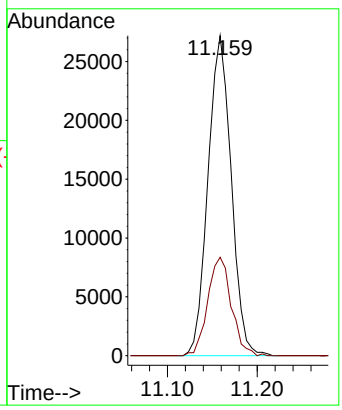


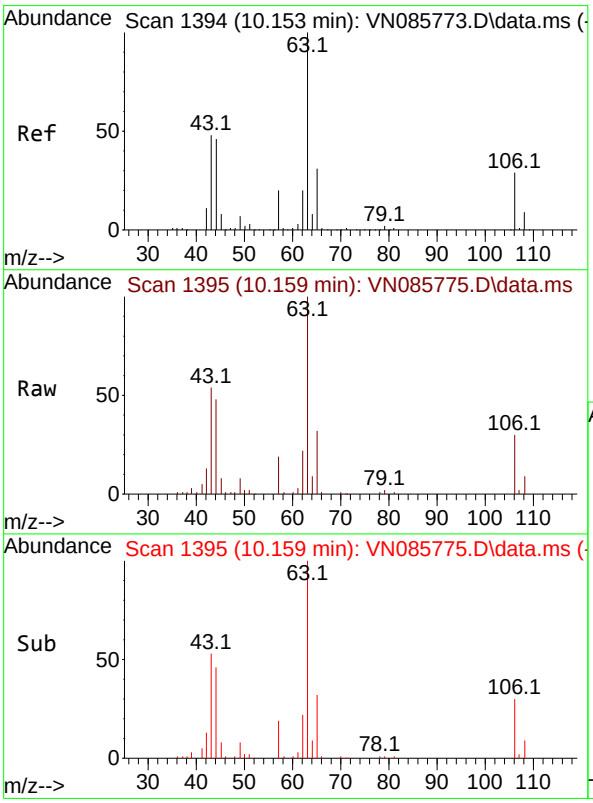
#57
1,3-Dichloropropane
Concen: 10.647 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 48905

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.9	38.9

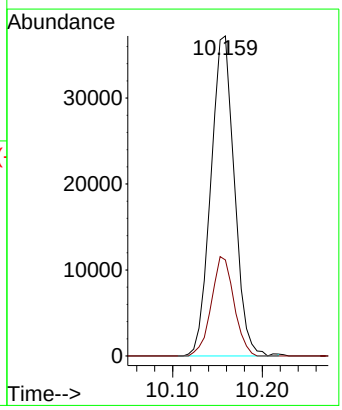


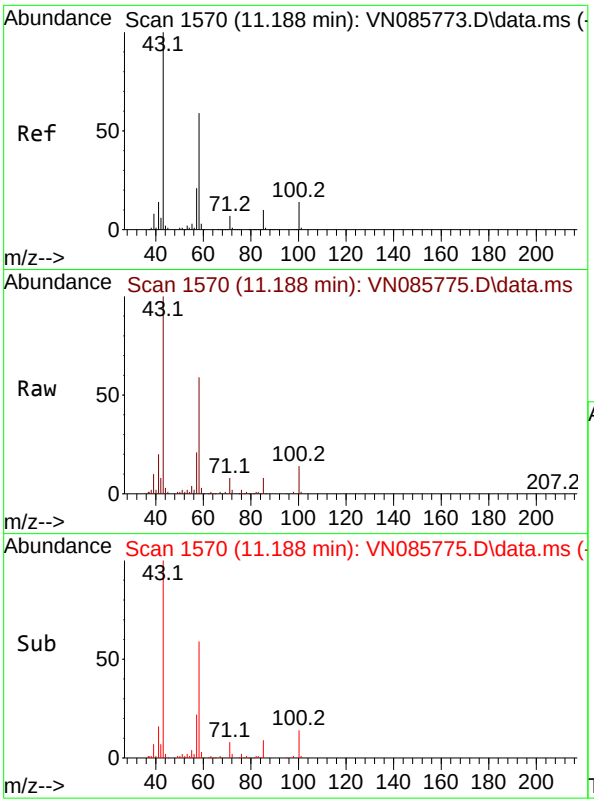


#58
2-Chloroethyl Vinyl ether
Concen: 47.108 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 63 Resp: 67791

Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.7	34.1



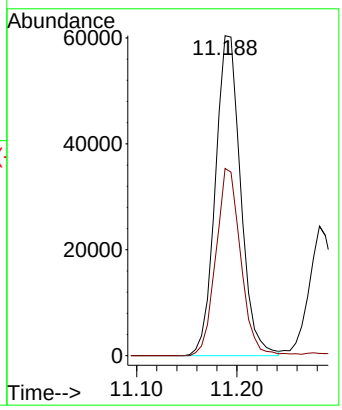


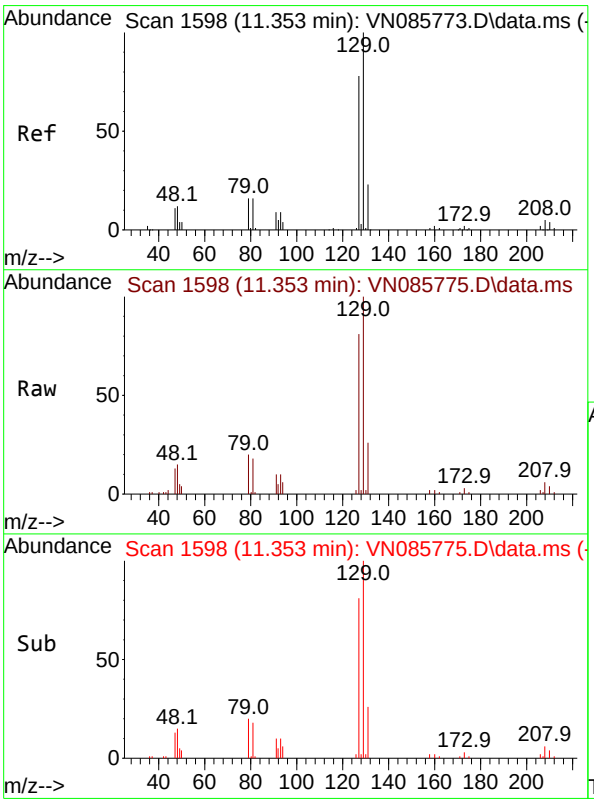
#59
2-Hexanone
Concen: 52.609 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 105782

Ion	Ratio	Lower	Upper
43	100		
58	57.7	29.8	89.5

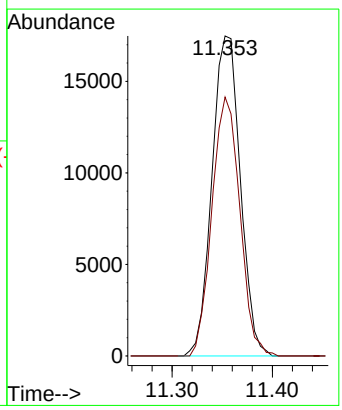


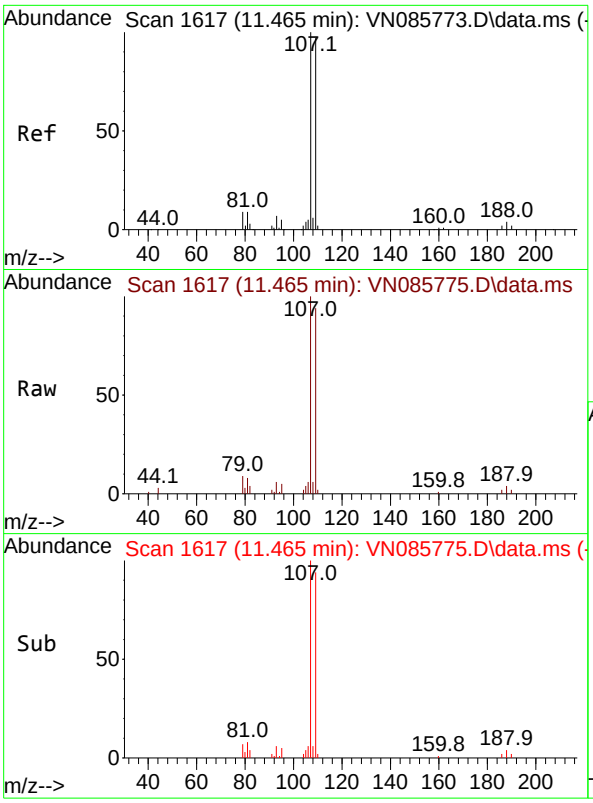


#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:129 Resp: 34267

Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.1	117.5



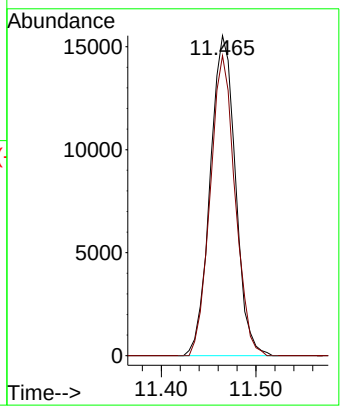


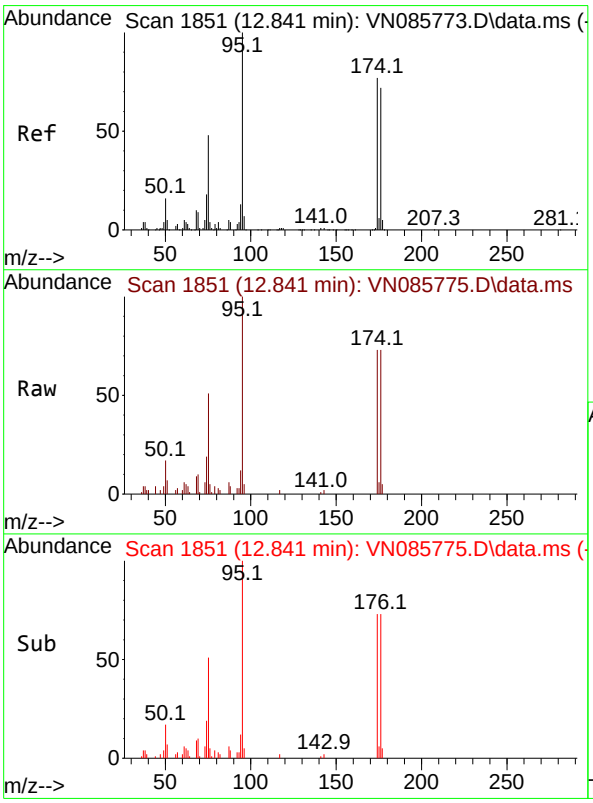
#61
1,2-Dibromoethane
Concen: 11.073 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 28789

Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.0	114.0

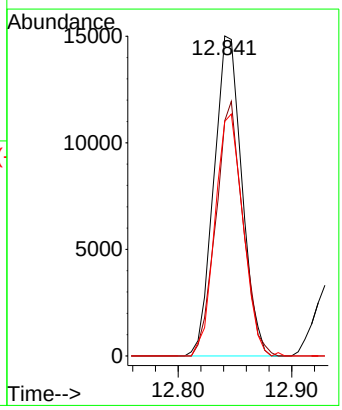


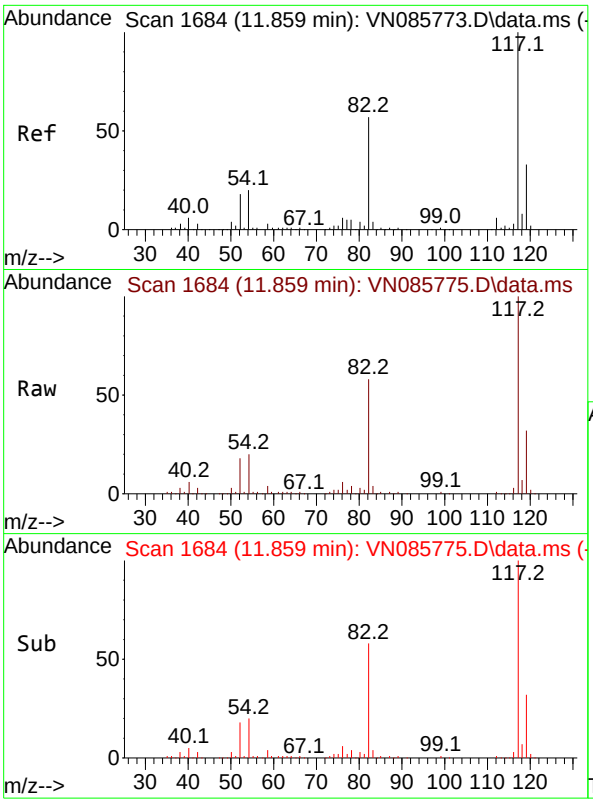


#62
4-Bromofluorobenzene
Concen: 8.236 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 95 Resp: 25697

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	152.4
176	75.9	0.0	146.6



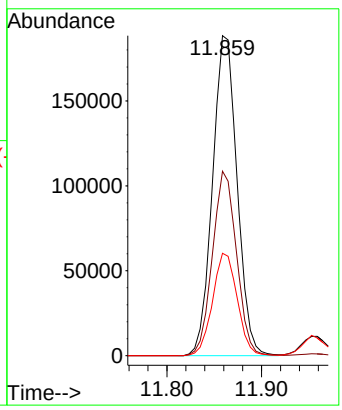


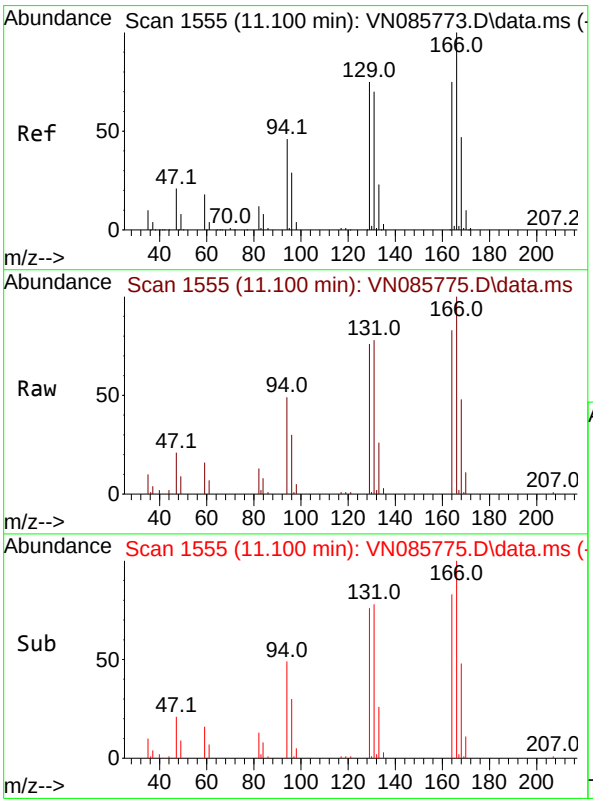
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 339681

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.7	68.5
119	32.0	26.2	39.2

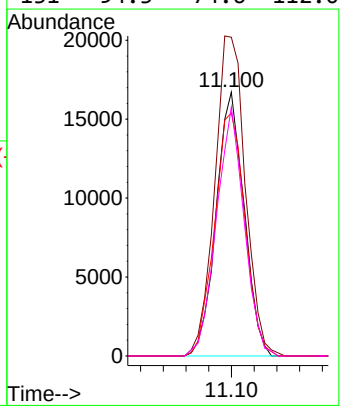


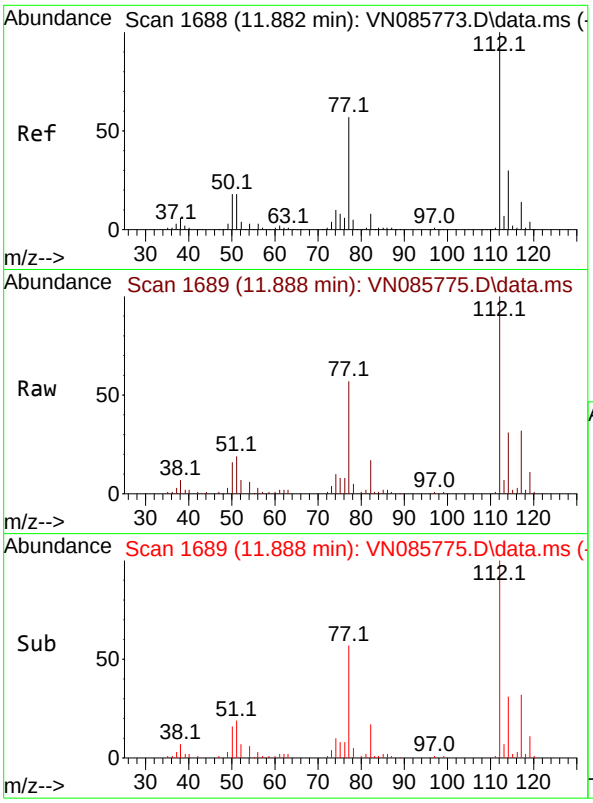


#64
Tetrachloroethene
Concen: 10.855 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:164 Resp: 28564

Ion	Ratio	Lower	Upper
164	100		
166	120.8	107.2	160.8
129	92.1	80.7	121.1
131	94.3	74.6	112.0



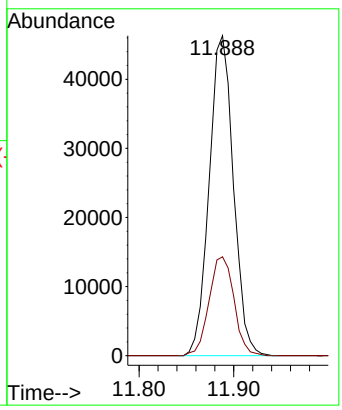


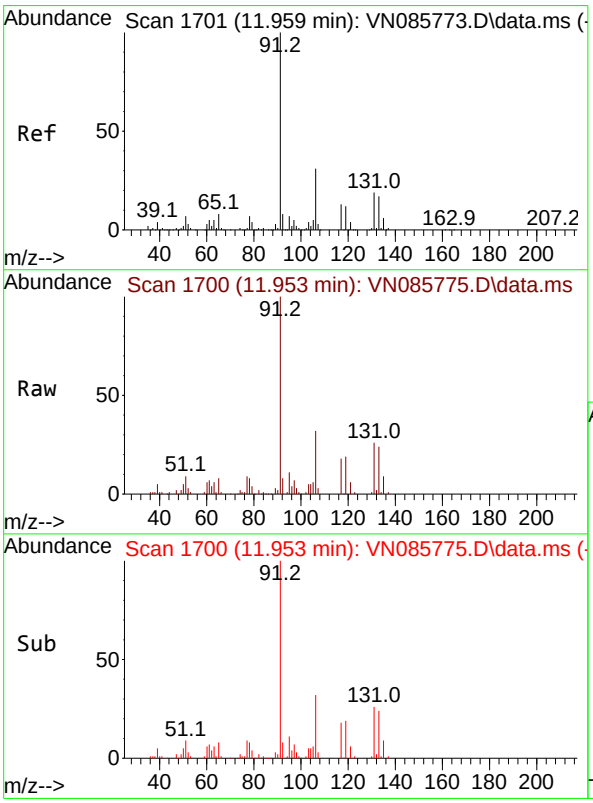
#65
Chlorobenzene
Concen: 10.585 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 82365

Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.3	36.5

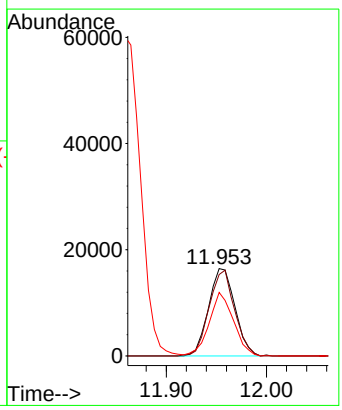


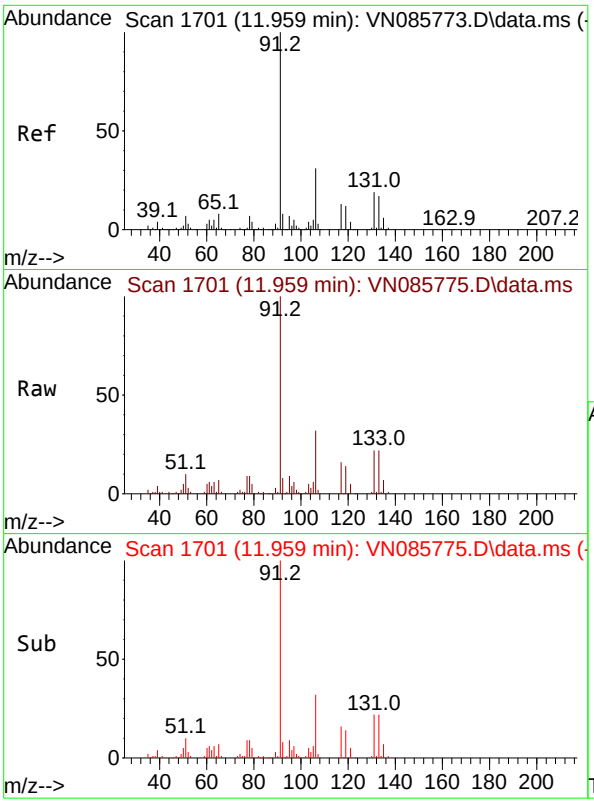


#66
1,1,1,2-Tetrachloroethane
Concen: 10.773 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:131 Resp: 30133

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.7	143.1
119	66.8	33.3	99.8



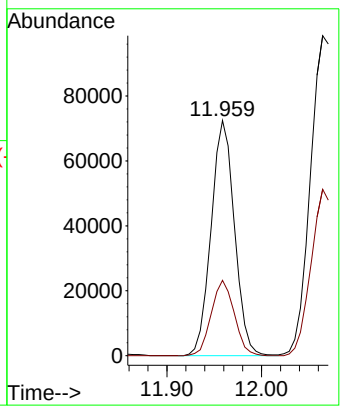


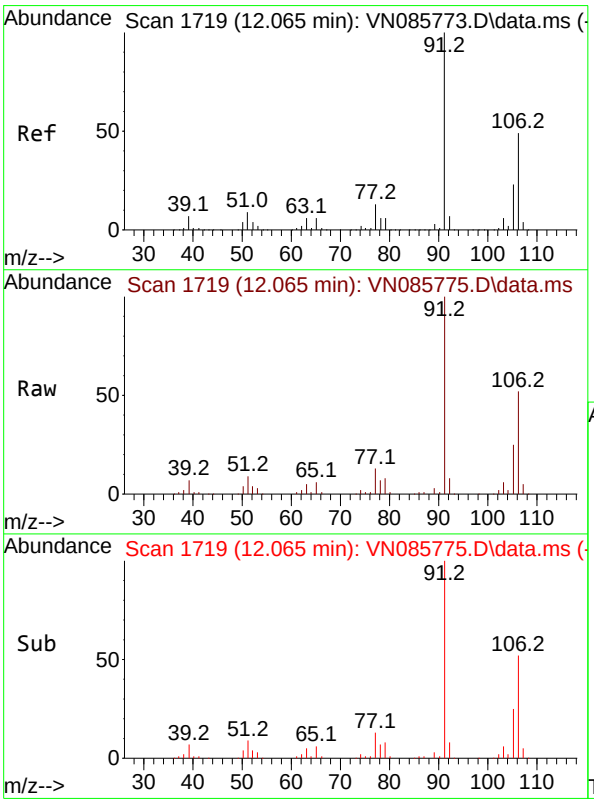
#67
Ethyl Benzene
Concen: 10.199 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 124323

Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.7	37.1

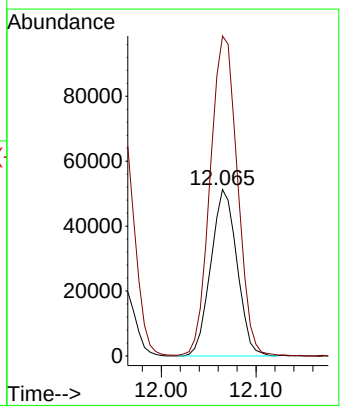


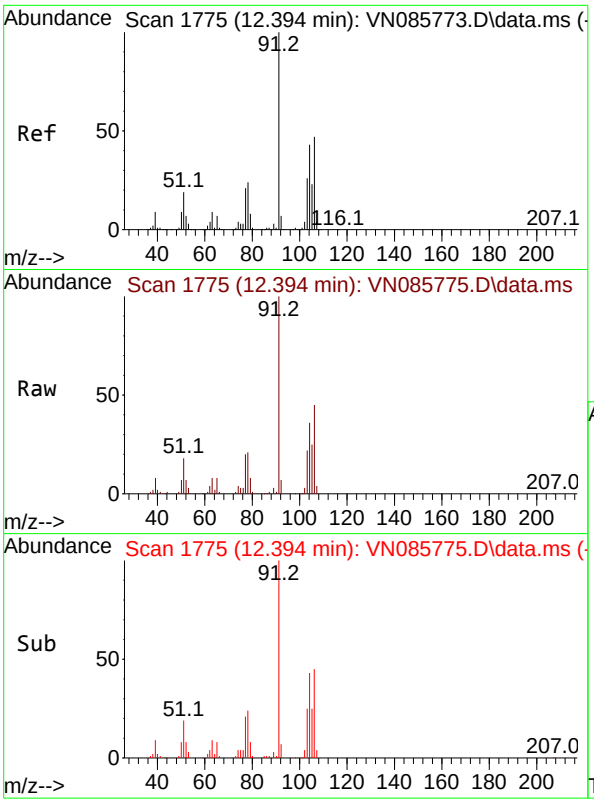


#68
m/p-Xylenes
Concen: 21.290 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:106 Resp: 98574

Ion	Ratio	Lower	Upper
106	100		
91	200.5	163.3	244.9



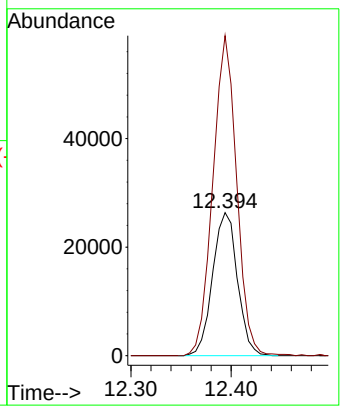


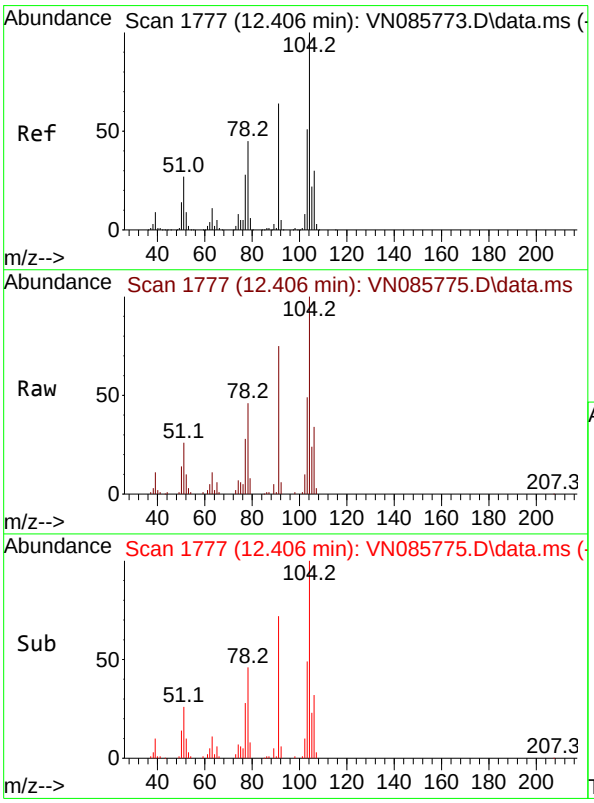
#69
o-Xylene
Concen: 10.287 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 45263

Ion	Ratio	Lower	Upper
106	100		
91	214.9	107.1	321.4

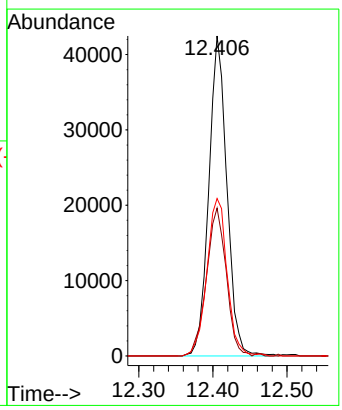


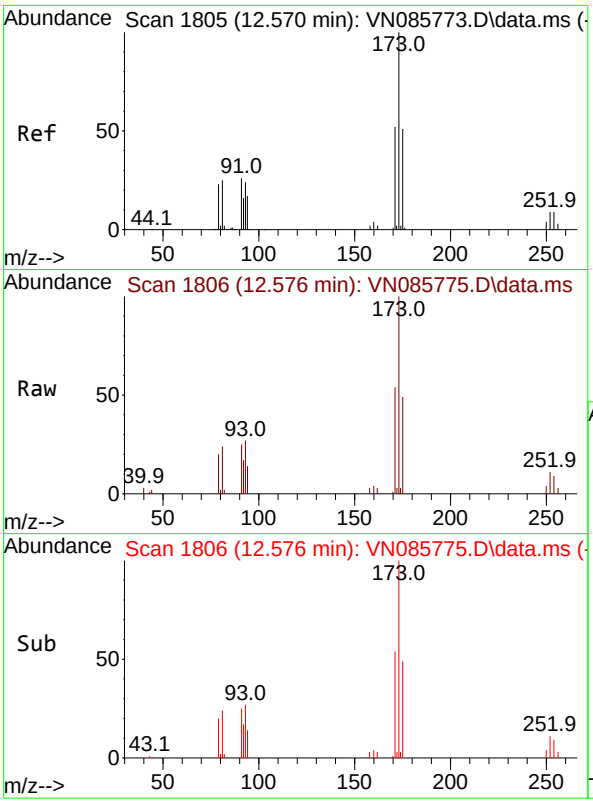


#70
Styrene
Concen: 9.994 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:104 Resp: 72044

Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.0	58.6
103	55.1	43.3	64.9



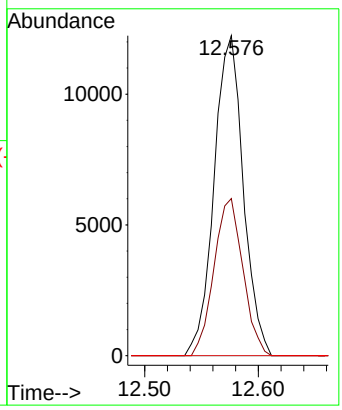


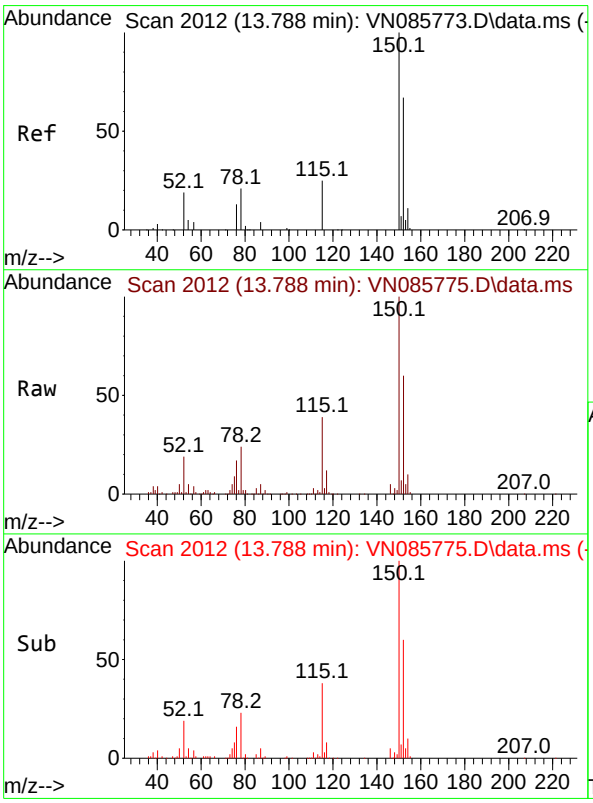
#71
Bromoform
Concen: 10.529 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 21882

Ion	Ratio	Lower	Upper
173	100		
175	48.6	25.1	75.4
254	0.0	0.0	0.0

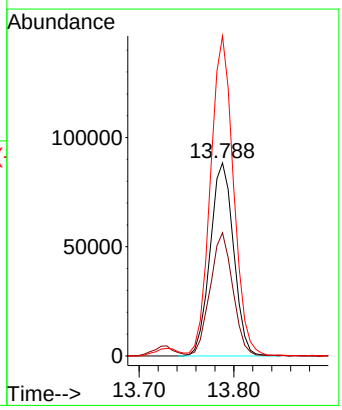


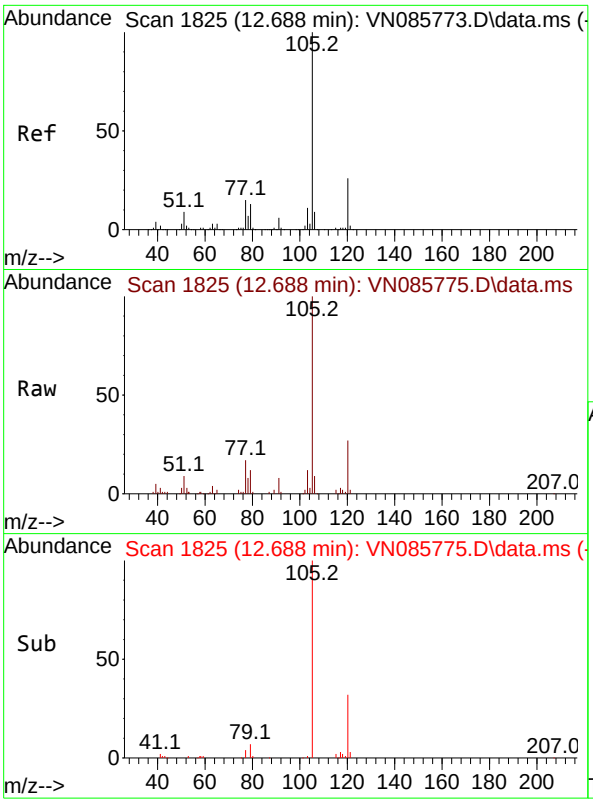


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:152 Resp: 151740

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.4	91.3
150	163.2	0.0	345.4



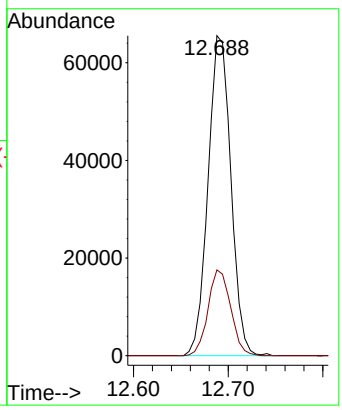


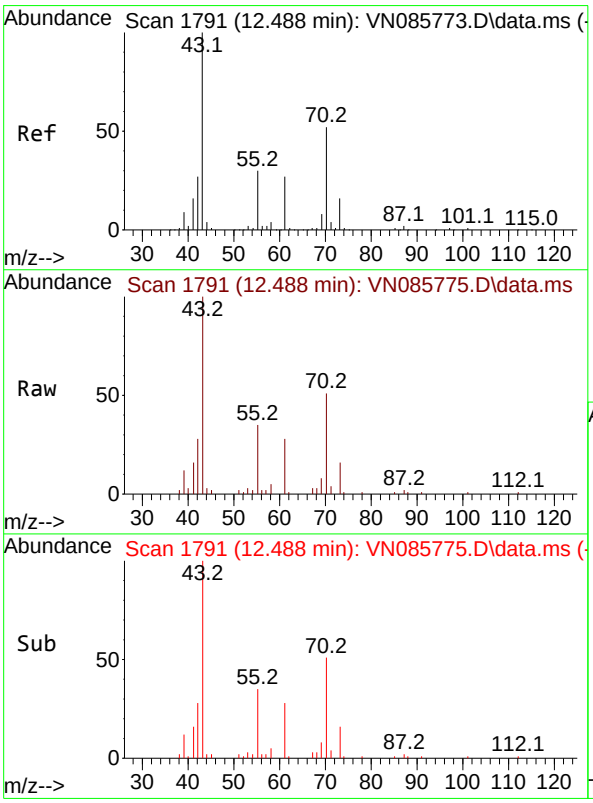
#73
Isopropylbenzene
Concen: 10.576 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 109944

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.0	39.0

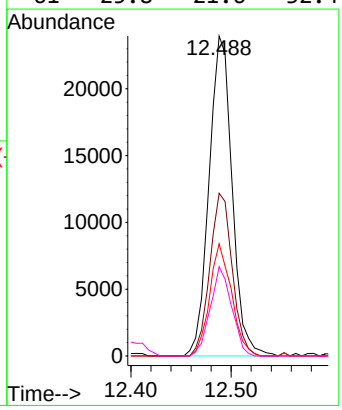


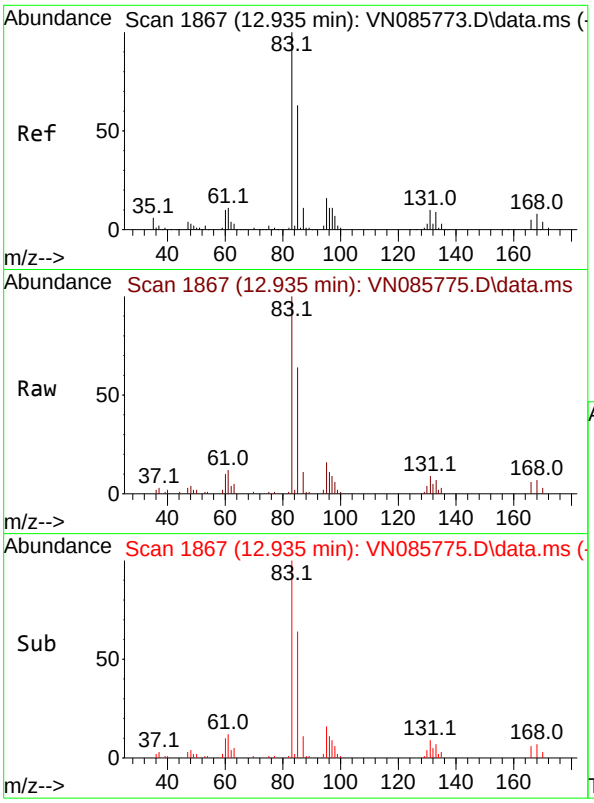


#74
N-amyl acetate
Concen: 10.452 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 43 Resp: 38318

Ion	Ratio	Lower	Upper
43	100		
70	49.4	41.0	61.4
55	33.3	24.6	36.8
61	25.8	21.6	32.4



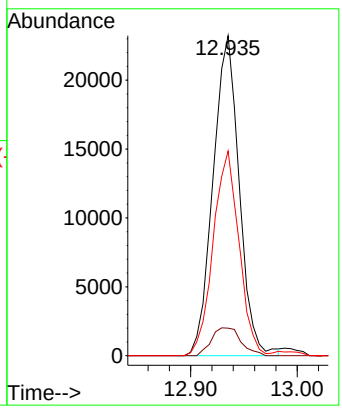


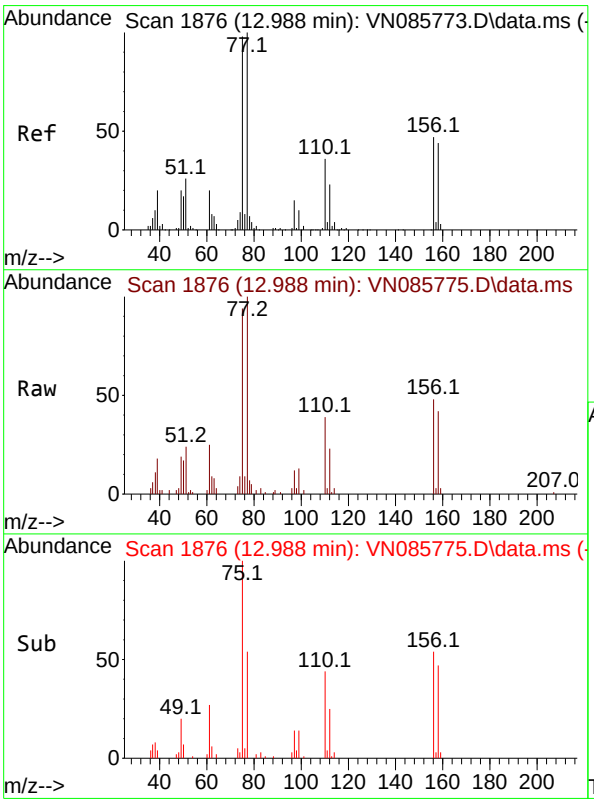
#75
1,1,2,2-Tetrachloroethane
Concen: 11.063 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 39575

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	15.0
85	63.3	32.2	96.6

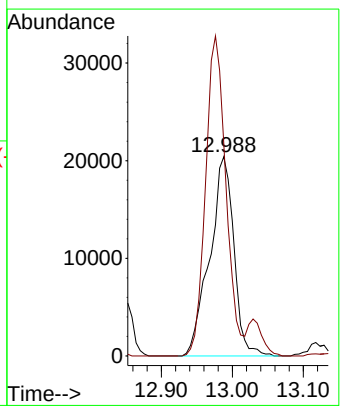


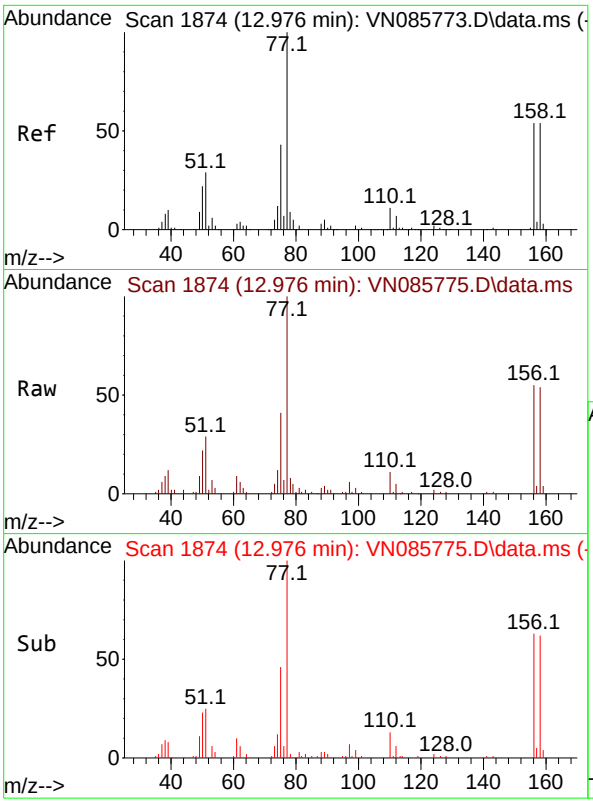


#76
1,2,3-Trichloropropane
Concen: 14.469 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 48233

Ion	Ratio	Lower	Upper
75	100		
77	135.7	100.0	300.0



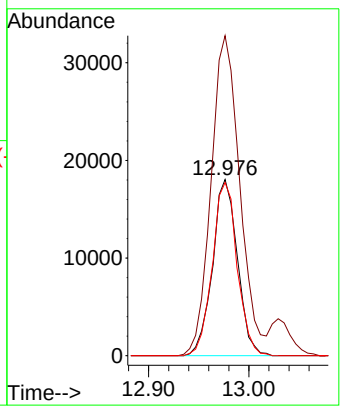


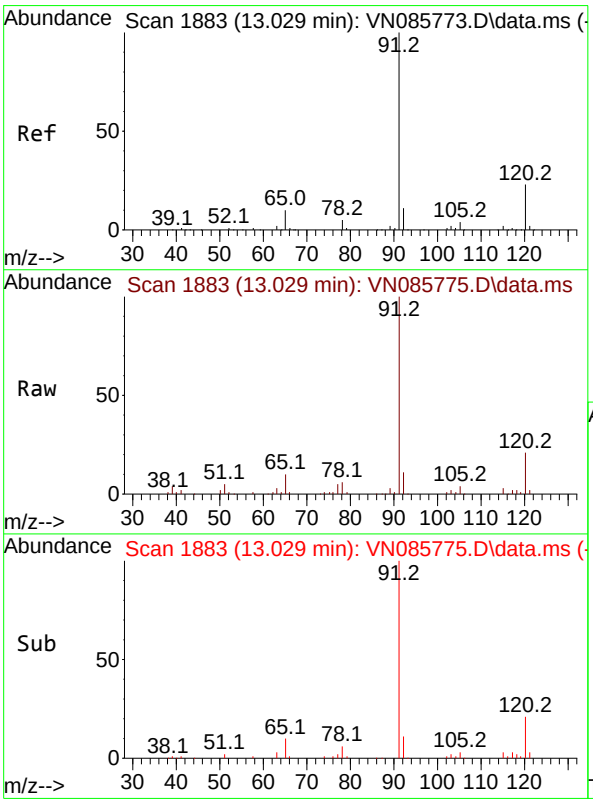
#77
Bromobenzene
Concen: 11.061 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 31066

Ion	Ratio	Lower	Upper
156	100		
77	210.7	104.1	312.3
158	98.4	48.1	144.4

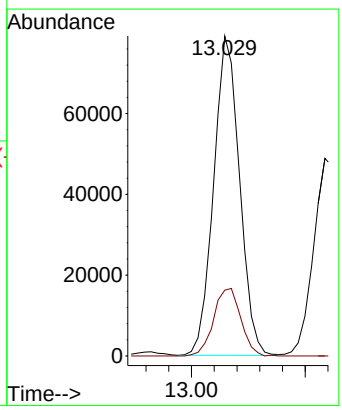


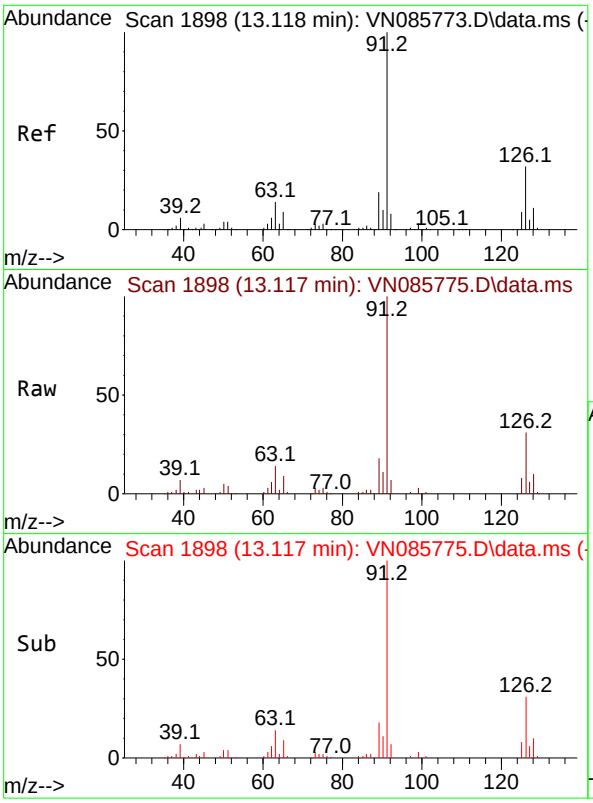


#78
n-propylbenzene
Concen: 10.517 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 91 Resp: 125206

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8



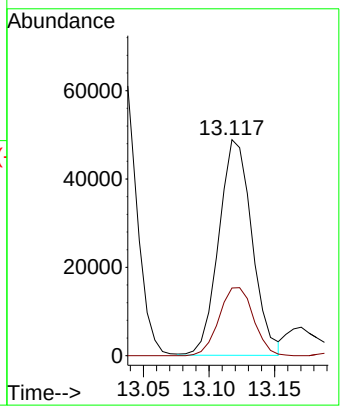


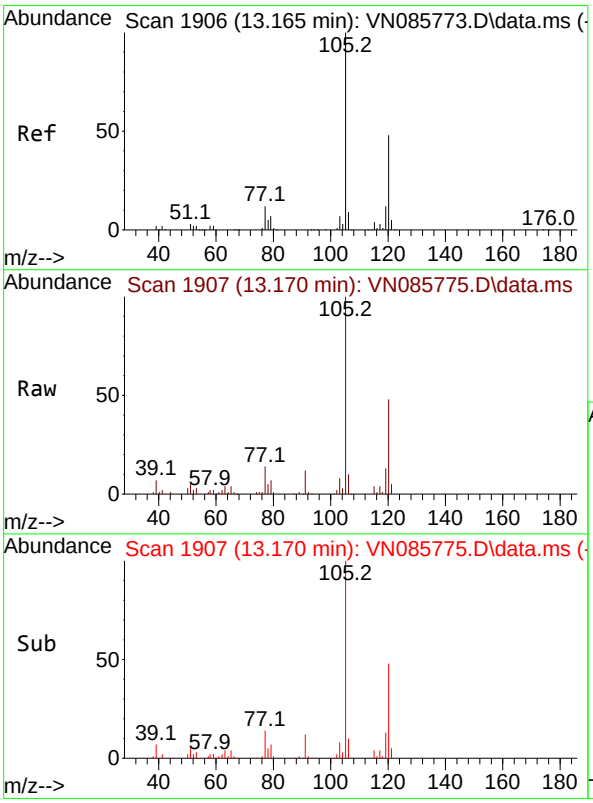
#79
2-Chlorotoluene
Concen: 10.841 ug/l
RT: 13.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 86237

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1

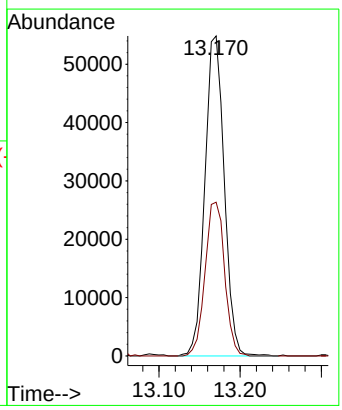


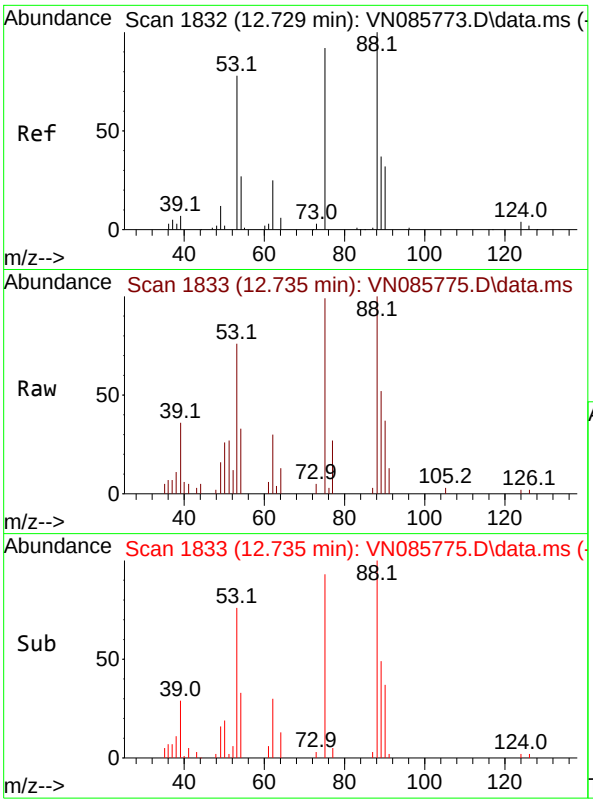


#80
1,3,5-Trimethylbenzene
Concen: 10.713 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:105 Resp: 90718

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9



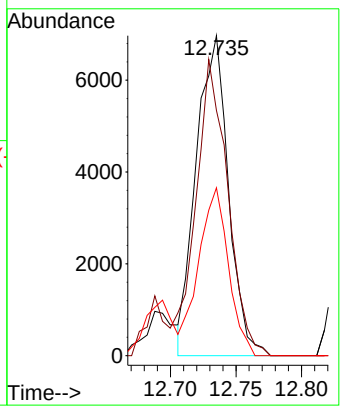


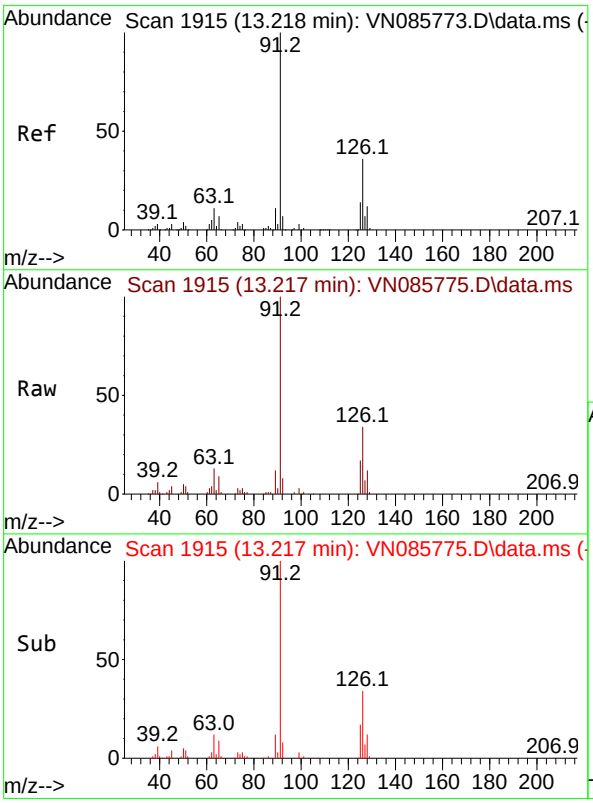
#81
trans-1,4-Dichloro-2-butene
Concen: 10.302 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 11901

Ion	Ratio	Lower	Upper
75	100		
53	92.1	74.2	111.4
89	48.8	34.9	52.3

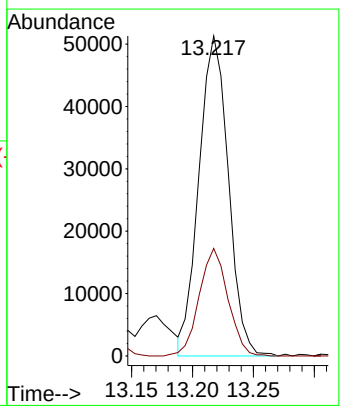


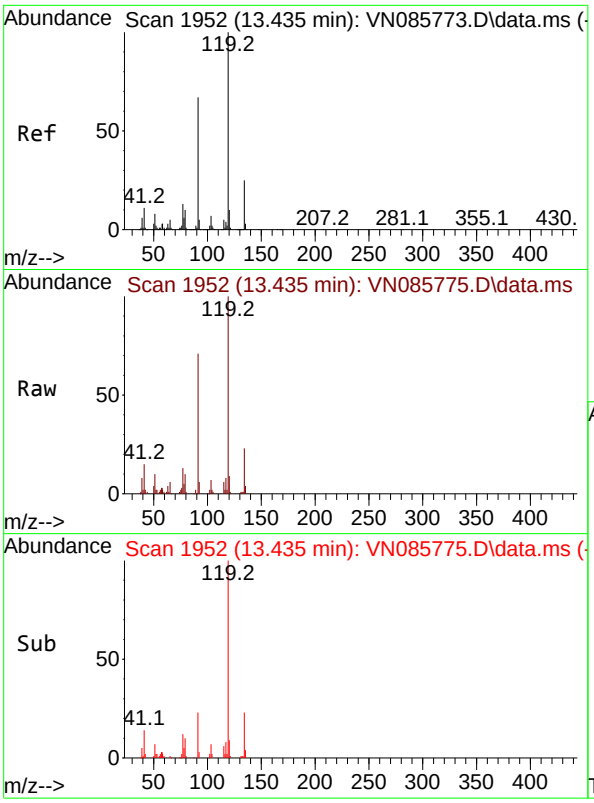


#82
4-Chlorotoluene
Concen: 10.919 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 91 Resp: 86106

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



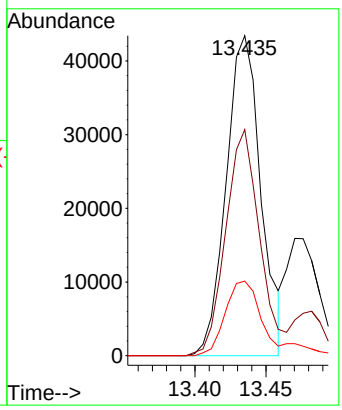


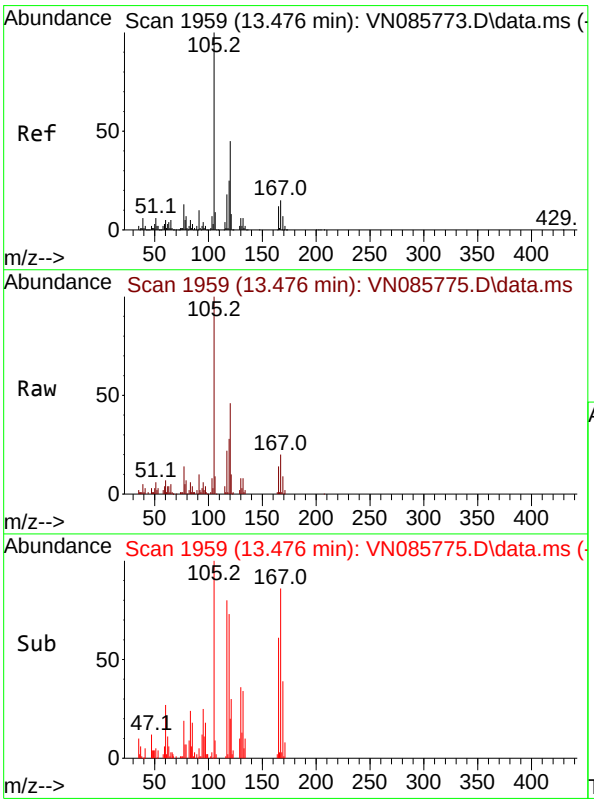
#83
tert-Butylbenzene
Concen: 10.364 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 73803

Ion	Ratio	Lower	Upper
119	100		
91	69.5	32.5	97.5
134	26.5	13.3	39.9

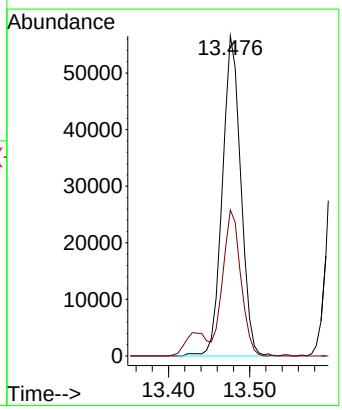


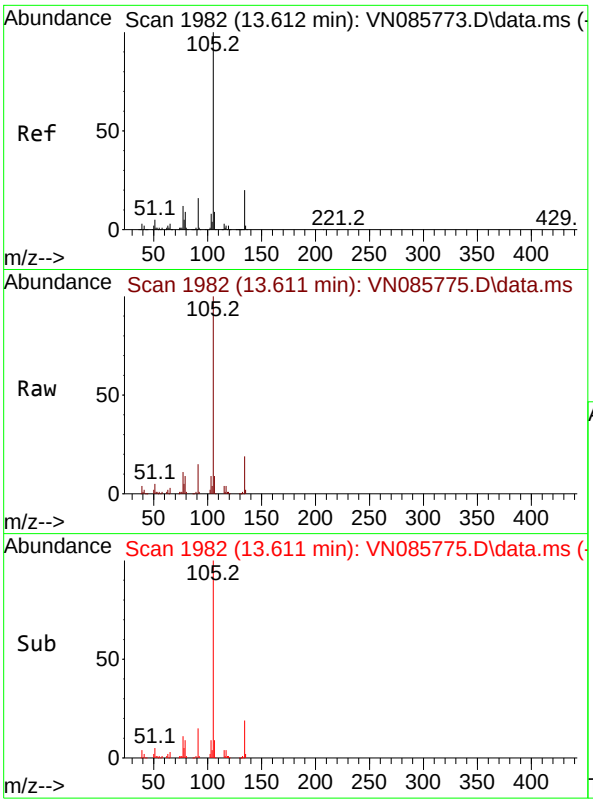


#84
1,2,4-Trimethylbenzene
Concen: 10.638 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:105 Resp: 89125

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3



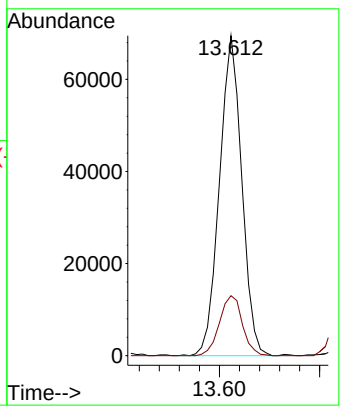


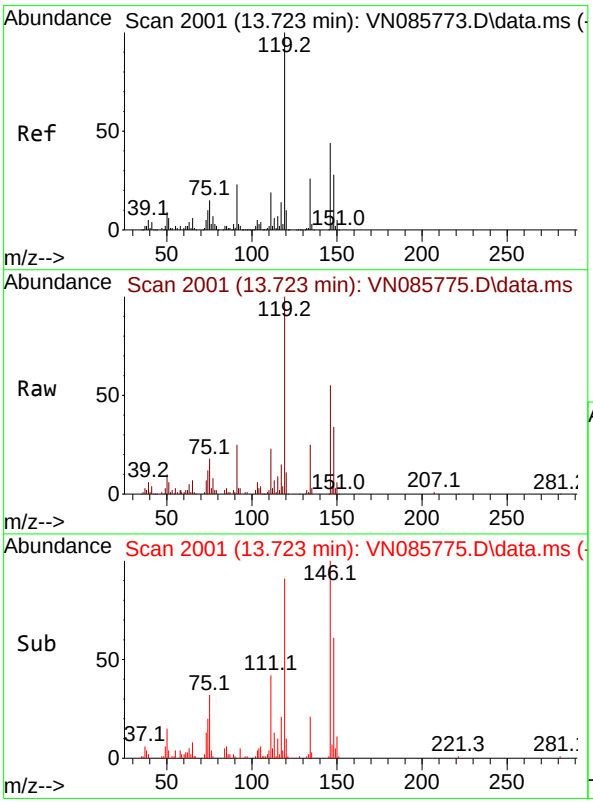
#85
sec-Butylbenzene
Concen: 10.660 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 107253

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

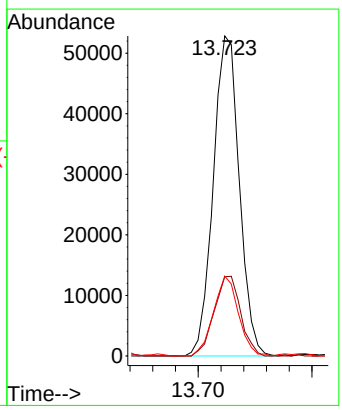


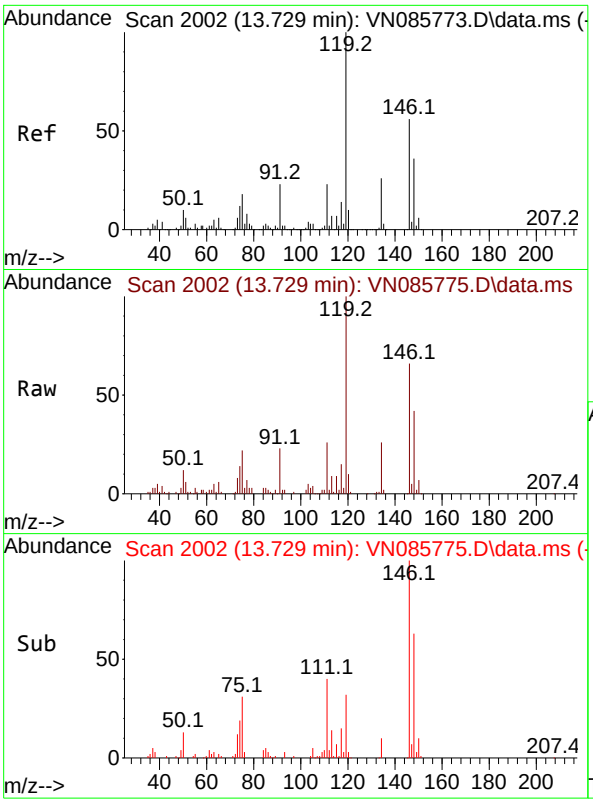


#86
p-Isopropyltoluene
Concen: 10.256 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:119 Resp: 84249

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	23.9	11.7	35.1



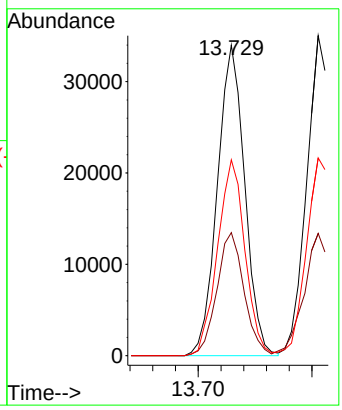


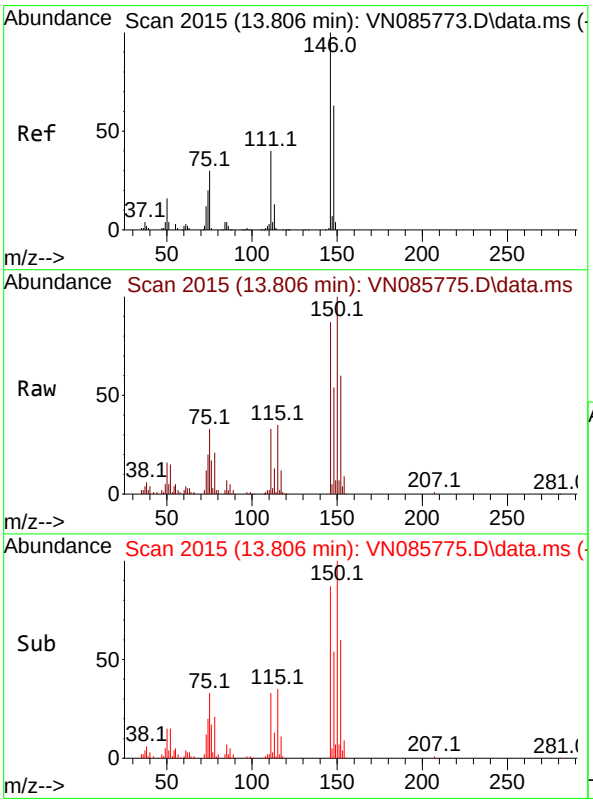
#87
1,3-Dichlorobenzene
Concen: 10.822 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 56944

Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.3
148	63.2	32.1	96.5

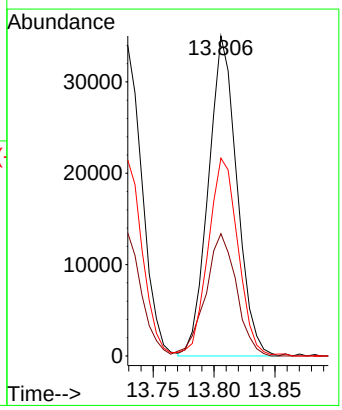


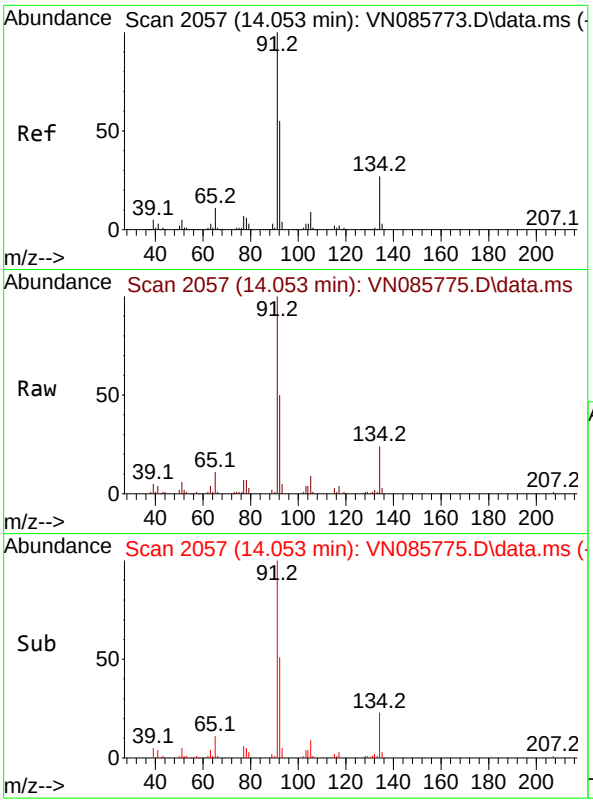


#88
1,4-Dichlorobenzene
Concen: 10.600 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:146 Resp: 57166

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	65.0	31.8	95.4



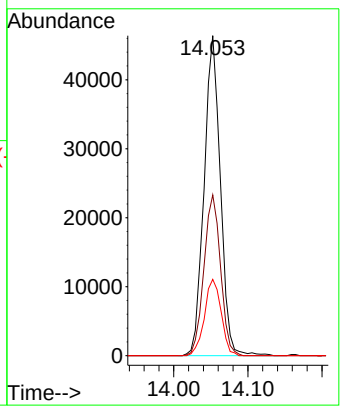


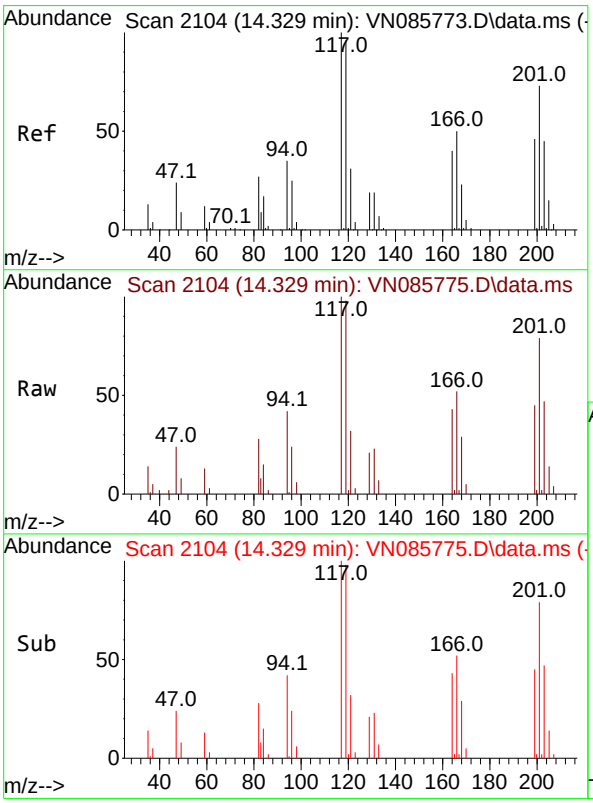
#89
n-Butylbenzene
Concen: 9.931 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 70940

Ion	Ratio	Lower	Upper
91	100		
92	51.2	27.1	81.3
134	24.4	12.7	38.1

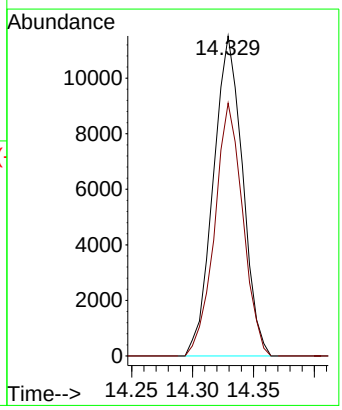


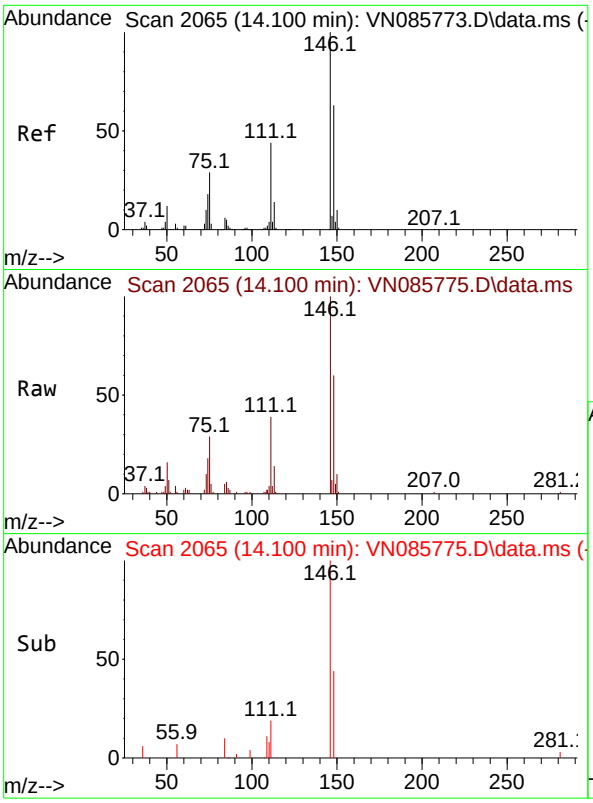


#90
Hexachloroethane
Concen: 10.119 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:117 Resp: 19282

Ion	Ratio	Lower	Upper
117	100		
201	76.1	35.6	106.9



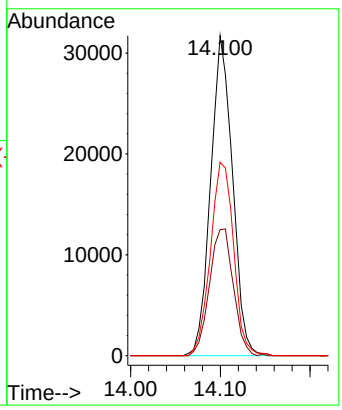


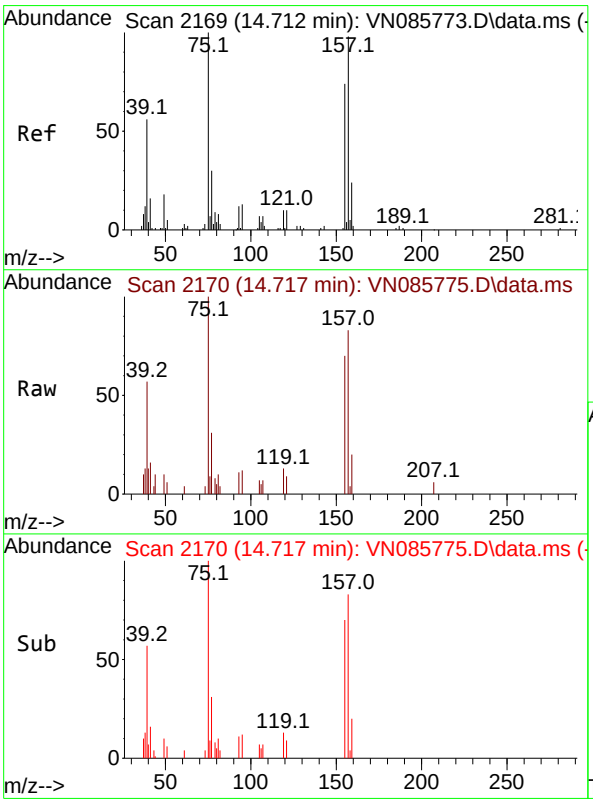
#91
1,2-Dichlorobenzene
Concen: 10.602 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 53647

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.4	64.3
148	64.3	32.0	96.2

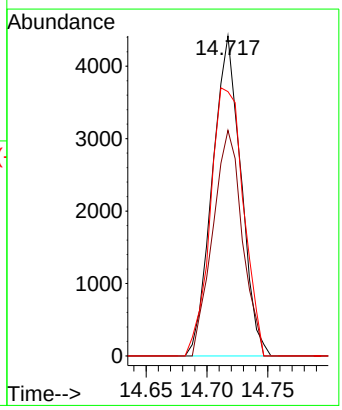


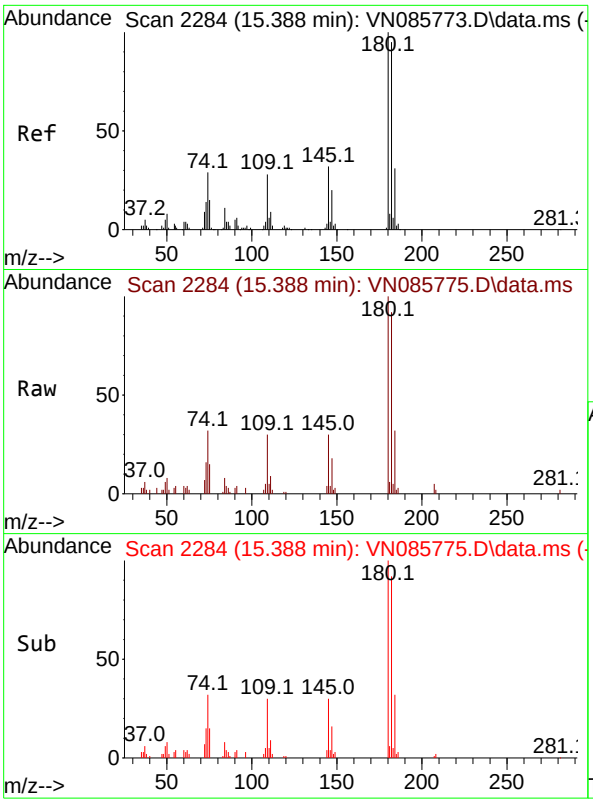


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.996 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion: 75 Resp: 7223

Ion	Ratio	Lower	Upper
75	100		
155	73.0	39.9	119.6
157	96.9	49.9	149.7



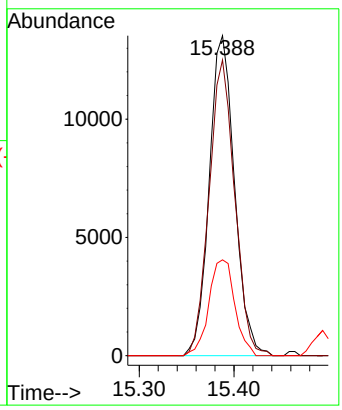


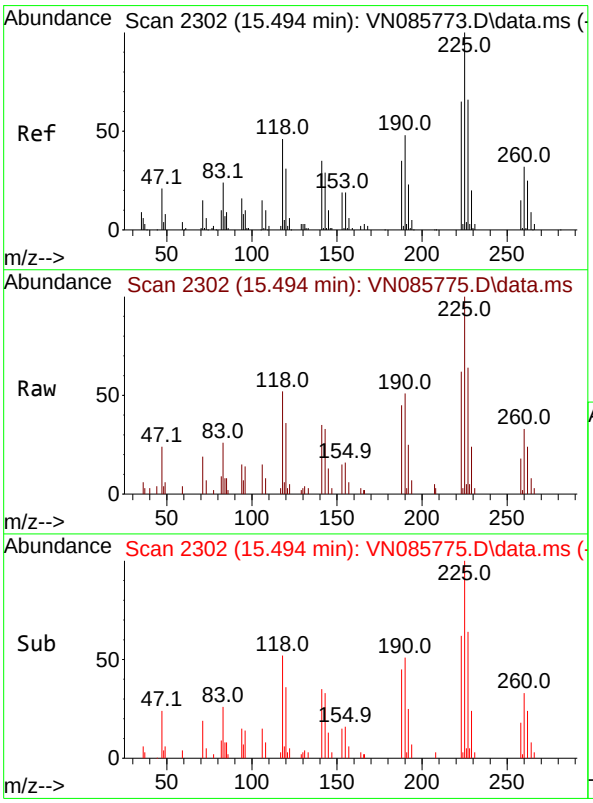
#93
1,2,4-Trichlorobenzene
Concen: 10.406 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 25090

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	141.9
145	30.7	16.2	48.5

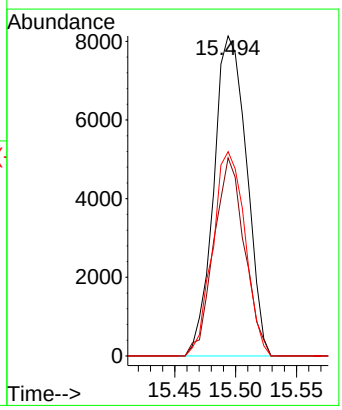


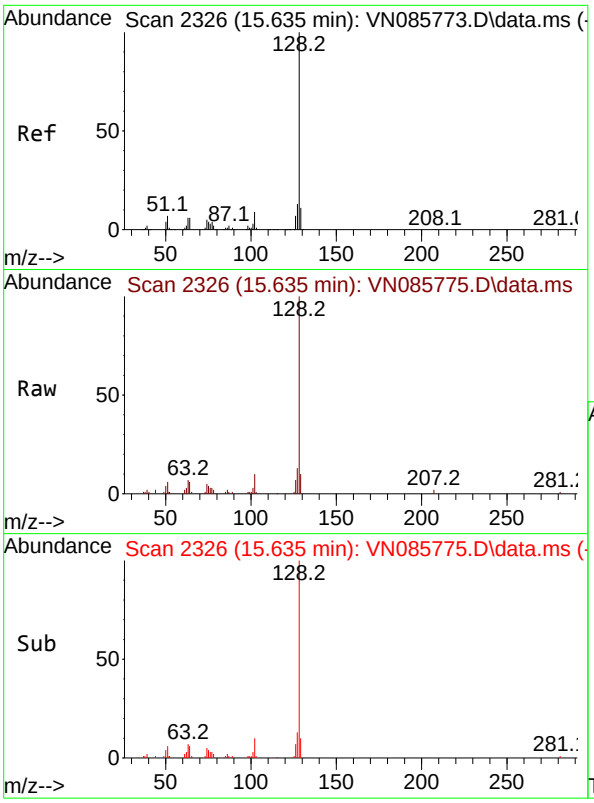


#94
Hexachlorobutadiene
Concen: 10.426 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:225 Resp: 15278

Ion	Ratio	Lower	Upper
225	100		
223	58.1	31.9	95.5
227	62.8	32.2	96.6



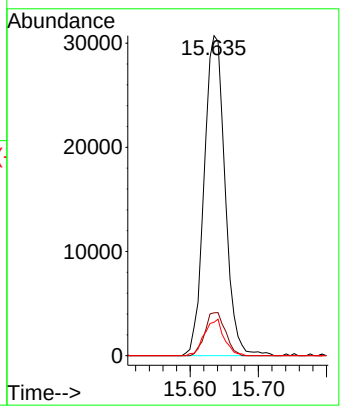


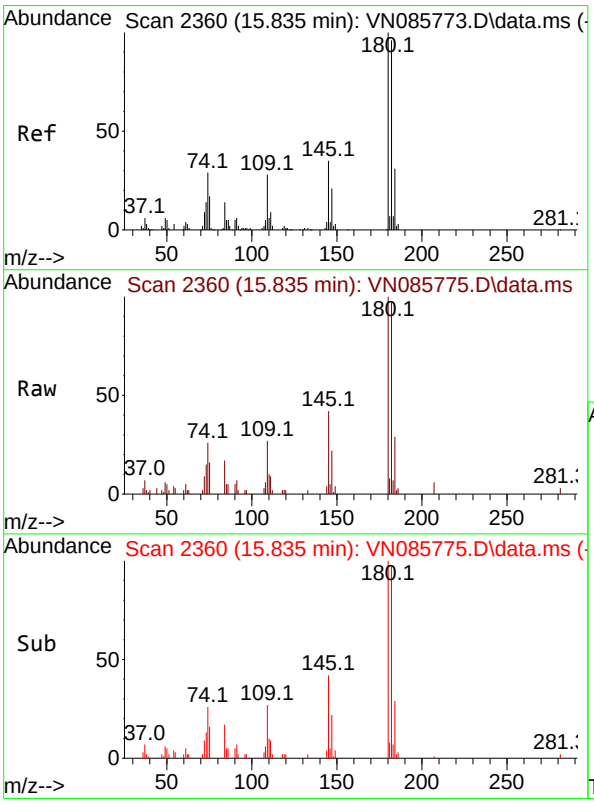
#95
Naphthalene
Concen: 9.902 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 65549

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.7	8.7	13.1

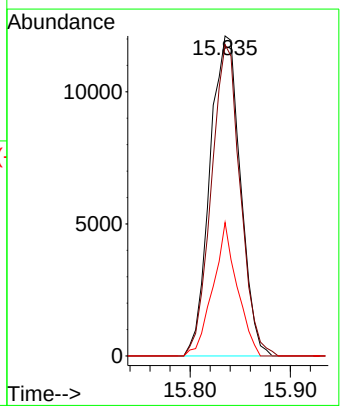




#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085775.D
Acq: 18 Feb 2025 12:20

Tgt Ion:180 Resp: 25612

Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.3	141.8
145	33.0	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	272461	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	471970	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.859	117	396883	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179241	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	20906	5.918	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.840%#			
35) Dibromofluoromethane	8.165	113	16866	5.461	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.920%#			
50) Toluene-d8	10.559	98	57180	5.089	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.180%#			
62) 4-Bromofluorobenzene	12.841	95	17484	4.723	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.440%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	17717	4.781	ug/l		97
3) Chloromethane	2.359	50	18038	4.850	ug/l		98
4) Vinyl Chloride	2.512	62	19849	5.041	ug/l		93
5) Bromomethane	2.953	94	13523	5.371	ug/l		97
6) Chloroethane	3.118	64	12801	4.908	ug/l		93
7) Trichlorofluoromethane	3.500	101	29008	5.088	ug/l		92
8) Diethyl Ether	3.959	74	9618	5.214	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.371	101	17299	5.250	ug/l		98
10) Methyl Iodide	4.595	142	19721	4.855	ug/l	#	88
11) Tert butyl alcohol	5.518	59	11272	25.945	ug/l	#	94
12) 1,1-Dichloroethene	4.342	96	15564	5.209	ug/l		96
13) Acrolein	4.177	56	17171	26.652	ug/l		95
14) Allyl chloride	5.012	41	19720	5.027	ug/l		94
15) Acrylonitrile	5.718	53	35404	25.067	ug/l		98
16) Acetone	4.424	43	28402	25.411	ug/l		100
17) Carbon Disulfide	4.706	76	43711	4.936	ug/l		96
18) Methyl Acetate	5.018	43	18793	4.888	ug/l		98
19) Methyl tert-butyl Ether	5.783	73	42491	4.786	ug/l		98
20) Methylene Chloride	5.271	84	18139	5.046	ug/l	#	88
21) trans-1,2-Dichloroethene	5.783	96	16330	5.076	ug/l		93
22) Diisopropyl ether	6.671	45	42703	4.817	ug/l		95
23) Vinyl Acetate	6.594	43	159070	26.289	ug/l		98
24) 1,1-Dichloroethane	6.565	63	30658	5.088	ug/l	#	93
25) 2-Butanone	7.477	43	40795	24.809	ug/l		95
26) 2,2-Dichloropropane	7.488	77	26889	5.018	ug/l		99
27) cis-1,2-Dichloroethene	7.483	96	18673	5.006	ug/l		98
28) Bromochloromethane	7.806	49	15543	6.276	ug/l		91
29) Tetrahydrofuran	7.841	42	24907	23.457	ug/l		98
30) Chloroform	7.959	83	31702	5.034	ug/l		100
31) Cyclohexane	8.247	56	28784	5.705	ug/l		91
32) 1,1,1-Trichloroethane	8.165	97	28815	5.145	ug/l	#	50
36) 1,1-Dichloropropene	8.365	75	20593	4.711	ug/l		98
37) Ethyl Acetate	7.553	43	17768	4.940	ug/l	#	85
38) Carbon Tetrachloride	8.353	117	25734	4.955	ug/l		95
39) Methylcyclohexane	9.594	83	19113	4.451	ug/l		97
40) Benzene	8.600	78	67051	4.786	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	9296	4.835 ug/l	98
42) 1,2-Dichloroethane	8.665	62	21886	4.796 ug/l	99
43) Isopropyl Acetate	8.682	43	35032	5.059 ug/l	92
44) Trichloroethene	9.347	130	16513	4.801 ug/l	96
45) 1,2-Dichloropropane	9.618	63	16228	4.799 ug/l	97
46) Dibromomethane	9.706	93	11544	4.840 ug/l	98
47) Bromodichloromethane	9.888	83	25152	4.929 ug/l	96
48) Methyl methacrylate	9.677	41	12200	4.567 ug/l	97
49) 1,4-Dioxane	9.688	88	4669	91.913 ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	80666	23.260 ug/l	96
52) Toluene	10.629	92	38701	4.713 ug/l	100
53) t-1,3-Dichloropropene	10.829	75	22215	4.708 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	24235	4.684 ug/l #	91
55) 1,1,2-Trichloroethane	11.012	97	16352	5.008 ug/l	94
56) Ethyl methacrylate	10.871	69	18032	4.704 ug/l	99
57) 1,3-Dichloropropane	11.159	76	26117	4.792 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	41567	14.159 ug/l	97
59) 2-Hexanone	11.188	43	53498	22.424 ug/l	94
60) Dibromochloromethane	11.353	129	18137	4.771 ug/l	98
61) 1,2-Dibromoethane	11.465	107	15097	4.894 ug/l	99
64) Tetrachloroethene	11.100	164	15504	5.043 ug/l	92
65) Chlorobenzene	11.888	112	45215	4.973 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	15949	4.880 ug/l	98
67) Ethyl Benzene	11.959	91	66079	4.640 ug/l	99
68) m/p-Xylenes	12.065	106	48412	8.949 ug/l	99
69) o-Xylene	12.394	106	23196	4.512 ug/l	100
70) Styrene	12.406	104	35138	4.557 ug/l	97
71) Bromoform	12.576	173	11934	4.915 ug/l #	94
73) Isopropylbenzene	12.694	105	54982	4.477 ug/l	99
74) N-amyl acetate	12.488	43	20017	4.623 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.929	83	21823	5.164 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	25746	6.538 ug/l	59
77) Bromobenzene	12.976	156	16215	4.888 ug/l	95
78) n-propylbenzene	13.029	91	62073	4.414 ug/l	99
79) 2-Chlorotoluene	13.117	91	43457	4.625 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	43342	4.333 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.729	75	6070	4.448 ug/l	90
82) 4-Chlorotoluene	13.217	91	43684	4.690 ug/l	100
83) tert-Butylbenzene	13.435	119	37975	4.515 ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	42792	4.324 ug/l	97
85) sec-Butylbenzene	13.612	105	52659	4.431 ug/l	98
86) p-Isopropyltoluene	13.723	119	41010	4.632 ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	30417	4.894 ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	31847	4.999 ug/l	96
89) n-Butylbenzene	14.053	91	36427	4.317 ug/l	98
90) Hexachloroethane	14.329	117	11276	5.010 ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	29424	4.923 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	3987	5.138 ug/l	89
93) 1,2,4-Trichlorobenzene	15.388	180	13040	4.578 ug/l	96
94) Hexachlorobutadiene	15.494	225	8623	4.982 ug/l	98
95) Naphthalene	15.635	128	33300	4.259 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	13188	4.612 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

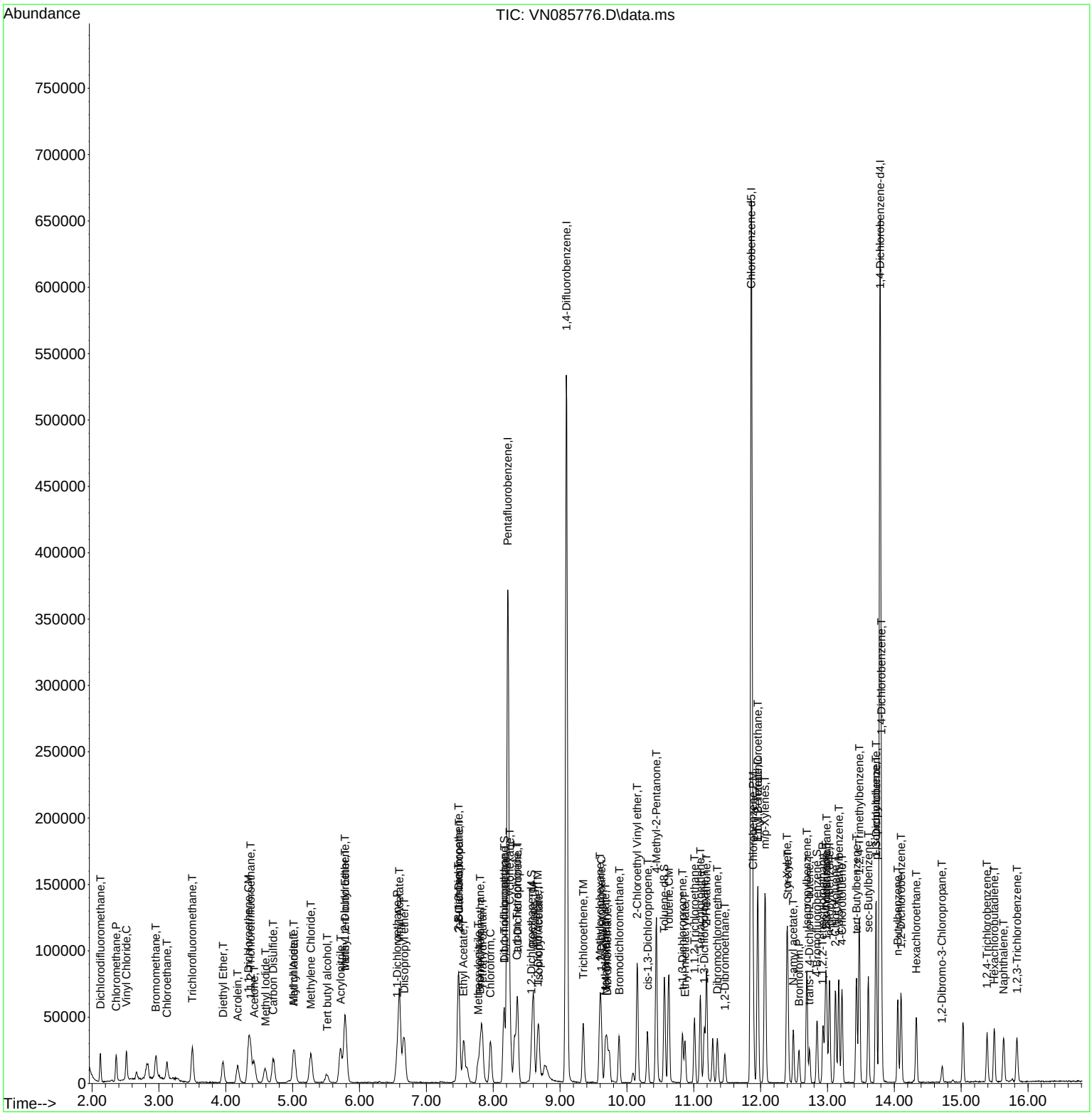
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

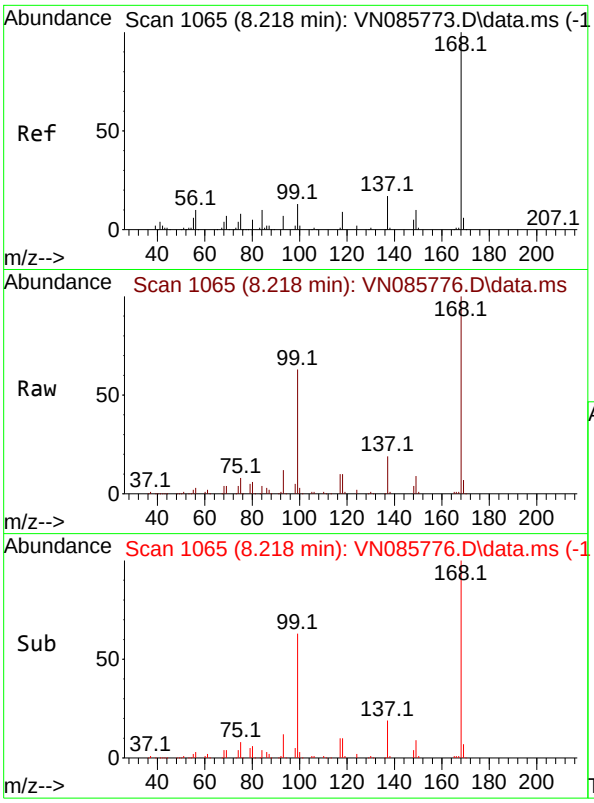
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration



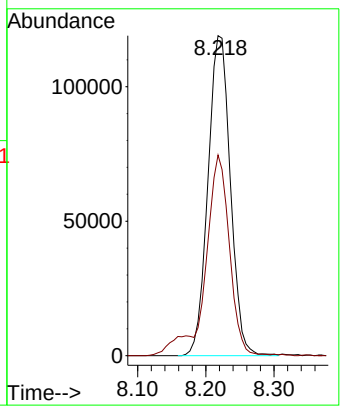


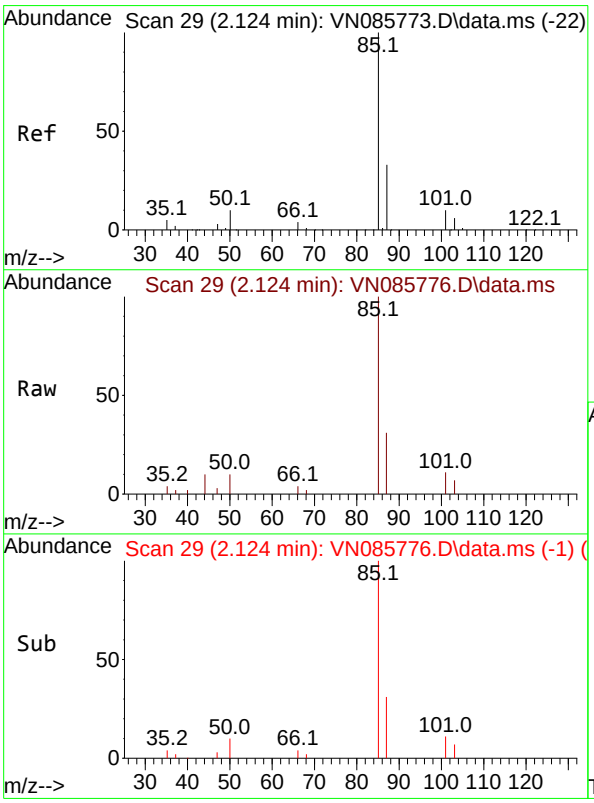
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 272461

Ion	Ratio	Lower	Upper
168	100		
99	62.5	47.9	71.9

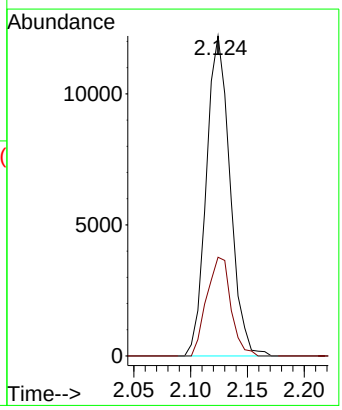


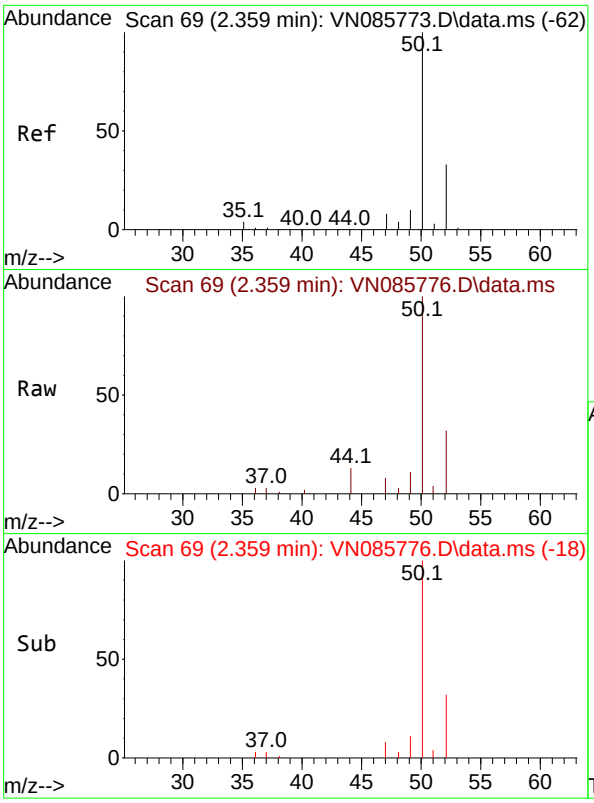


#2
Dichlorodifluoromethane
Concen: 4.781 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 85 Resp: 17717

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.4	49.2



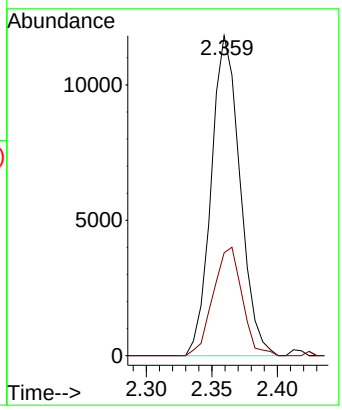


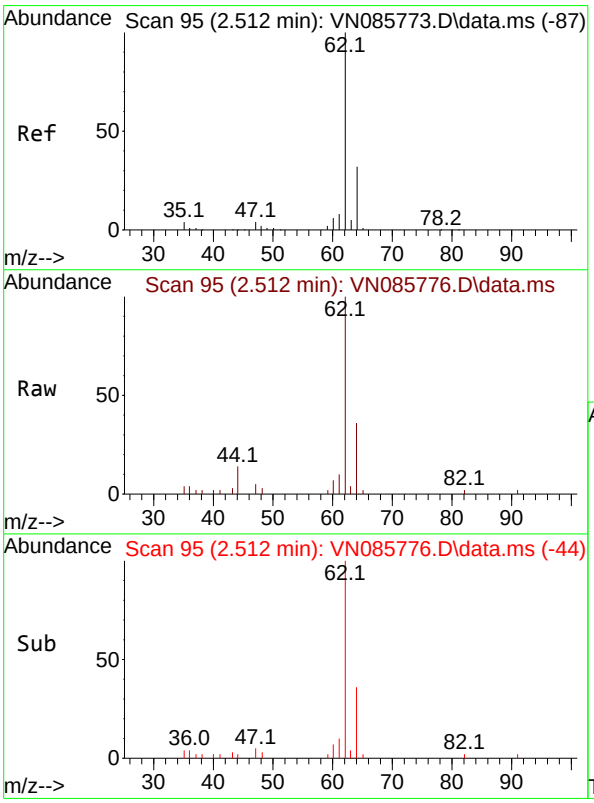
#3
Chloromethane
Concen: 4.850 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 18038

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.7	40.1

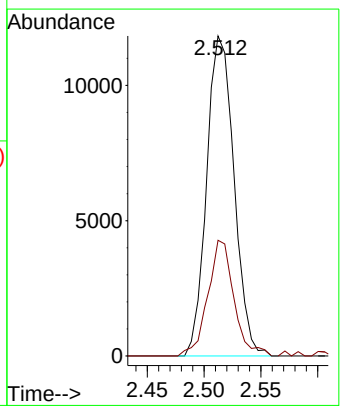


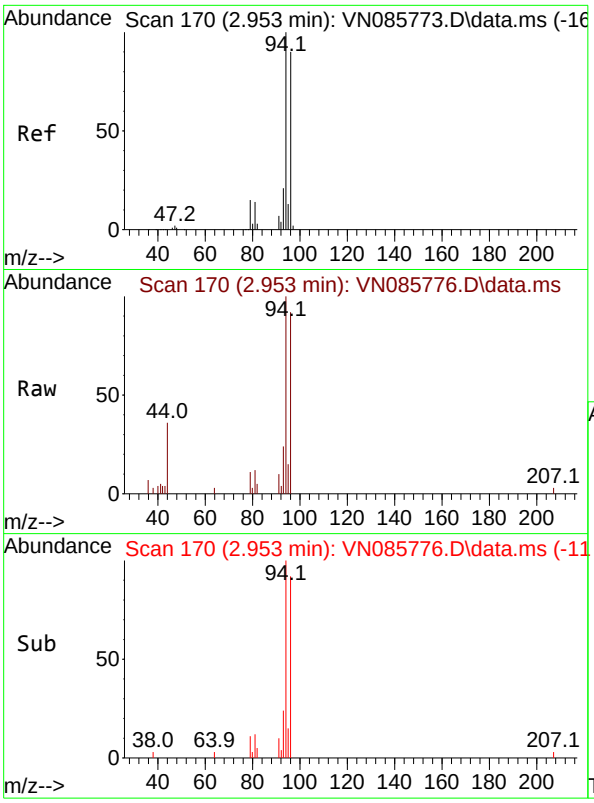


#4
Vinyl Chloride
Concen: 5.041 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 62 Resp: 19849

Ion	Ratio	Lower	Upper
62	100		
64	36.2	25.9	38.9



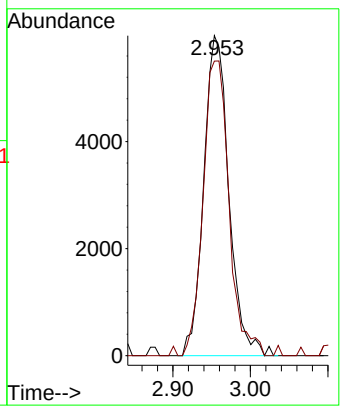


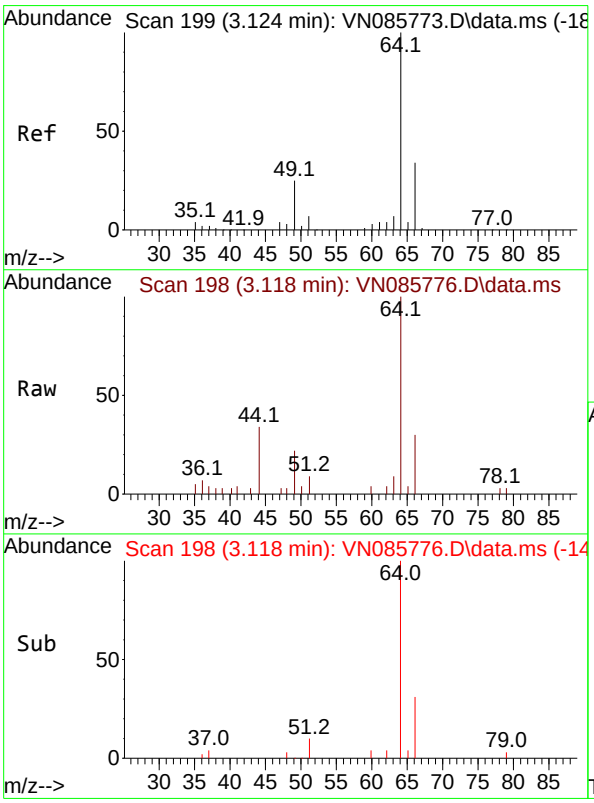
#5
Bromomethane
Concen: 5.371 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 13523

Ion	Ratio	Lower	Upper
94	100		
96	92.1	71.7	107.5

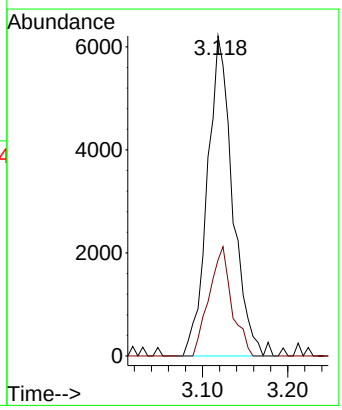


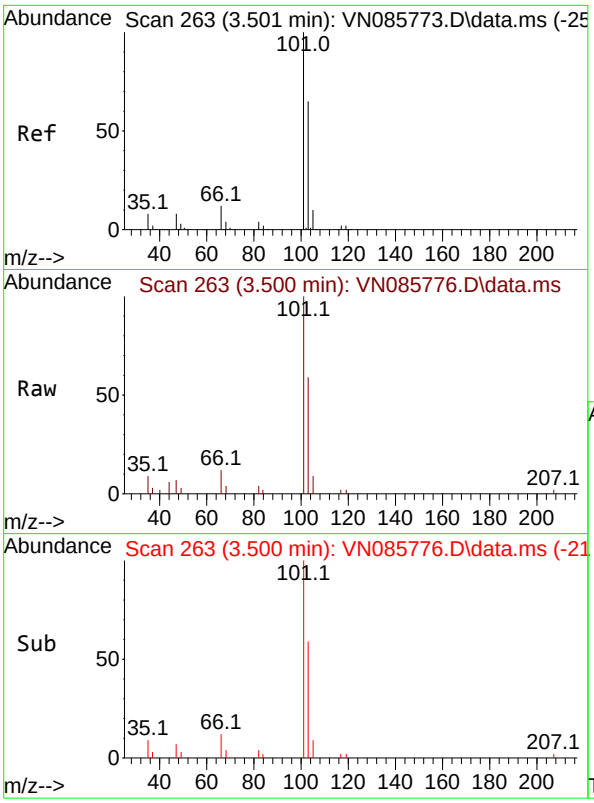


#6
Chloroethane
Concen: 4.908 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 64 Resp: 12801

Ion	Ratio	Lower	Upper
64	100		
66	30.0	27.0	40.6



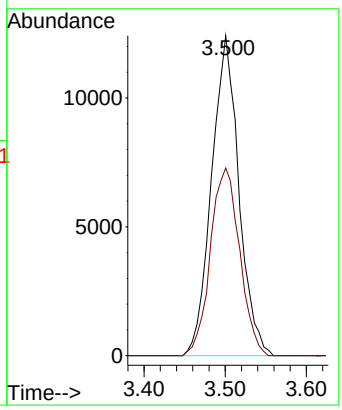


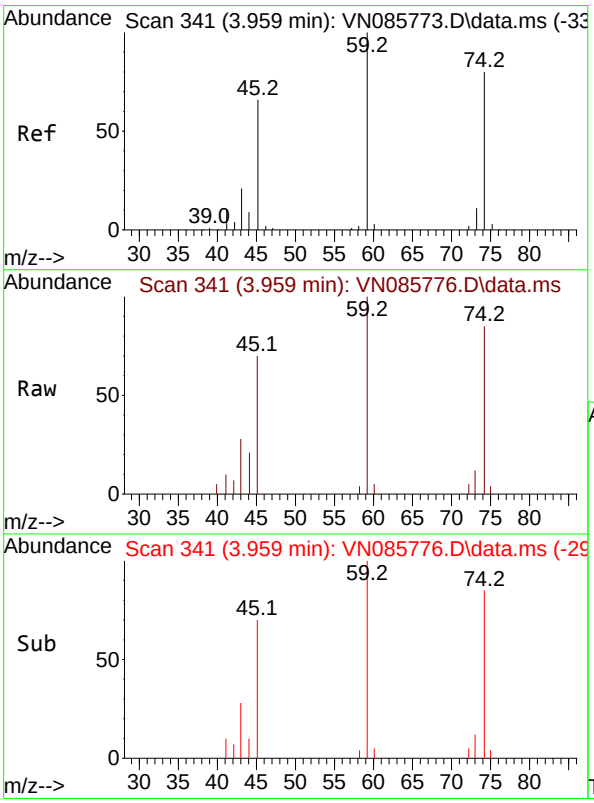
#7
Trichlorofluoromethane
Concen: 5.088 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 29008

Ion	Ratio	Lower	Upper
101	100		
103	58.7	52.2	78.4

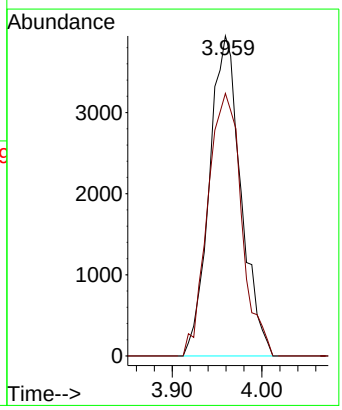


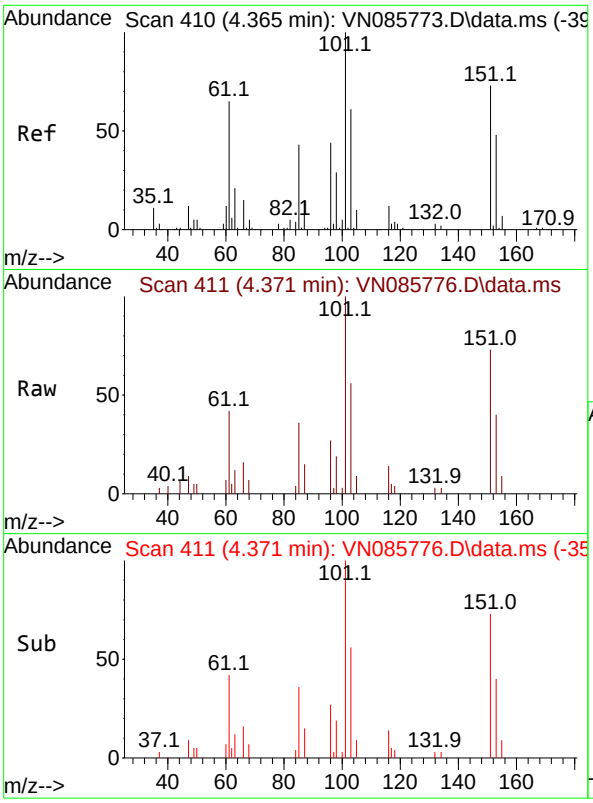


#8
Diethyl Ether
Concen: 5.214 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 74 Resp: 9618

Ion	Ratio	Lower	Upper
74	100		
45	88.3	42.5	127.6



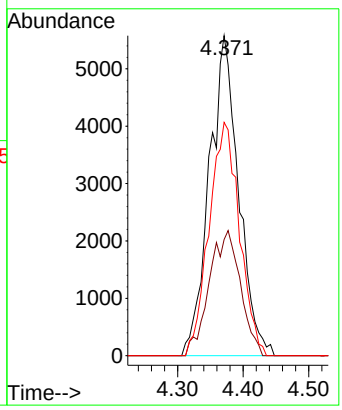


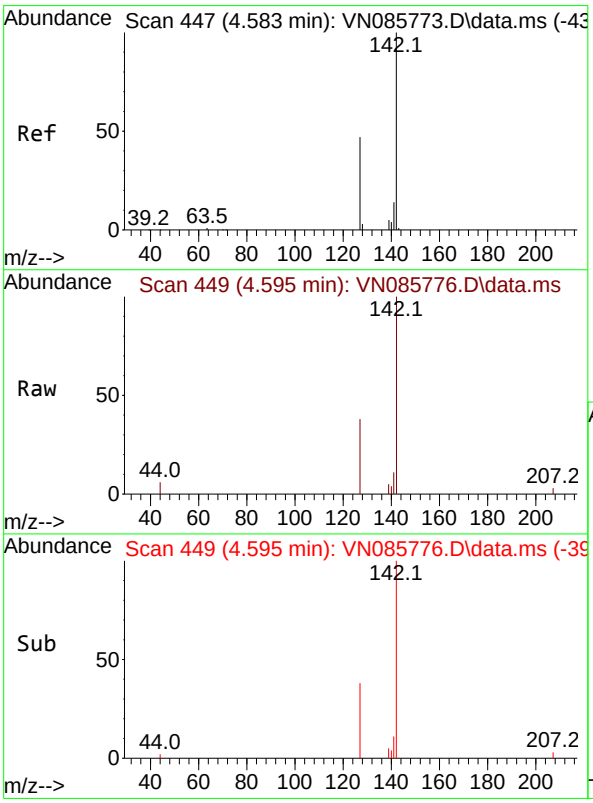
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.250 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17299

Ion	Ratio	Lower	Upper
101	100		
85	41.7	35.7	53.5
151	75.6	61.4	92.2

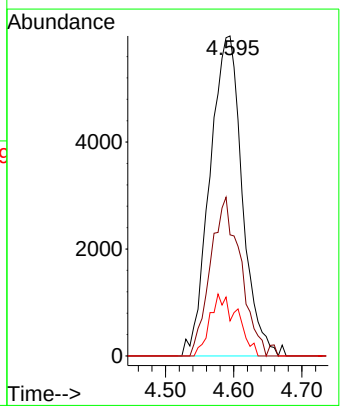


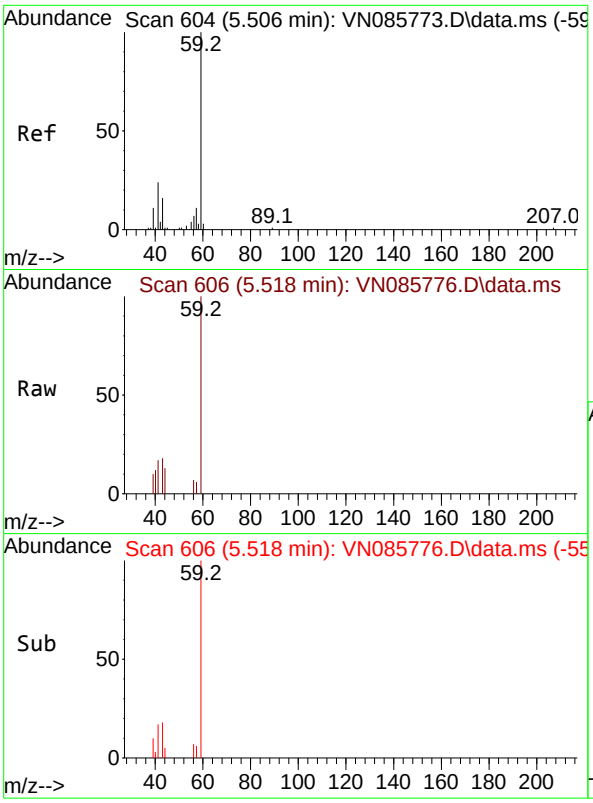


#10
Methyl Iodide
Concen: 4.855 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:142 Resp: 19721

Ion	Ratio	Lower	Upper
142	100		
127	37.8	37.6	56.4
141	10.9	11.4	17.2#



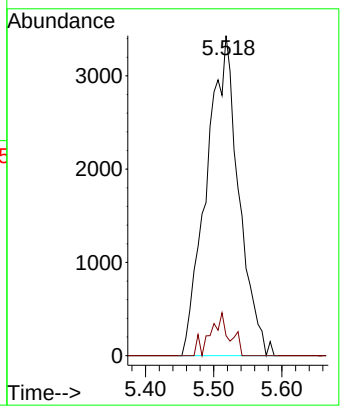


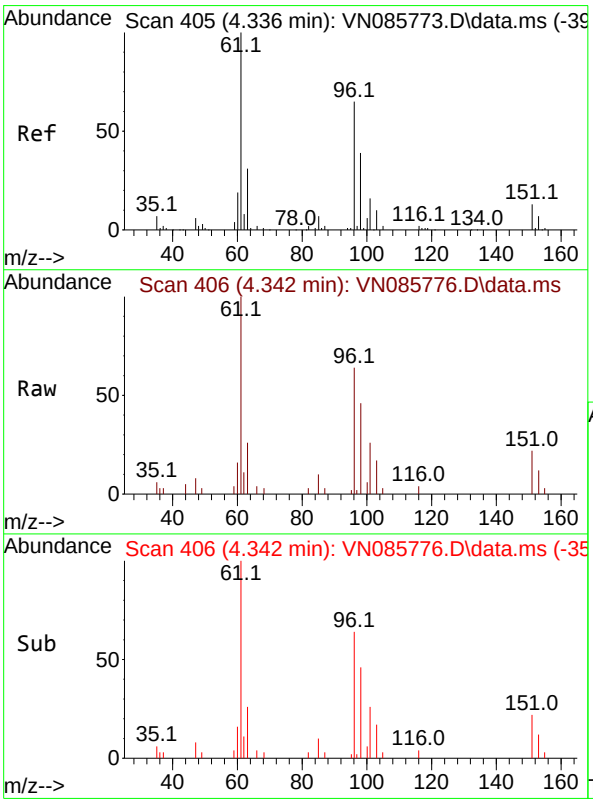
#11
Tert butyl alcohol
Concen: 25.945 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 11272

Ion	Ratio	Lower	Upper
59	100		
57	8.0	8.3	12.5#

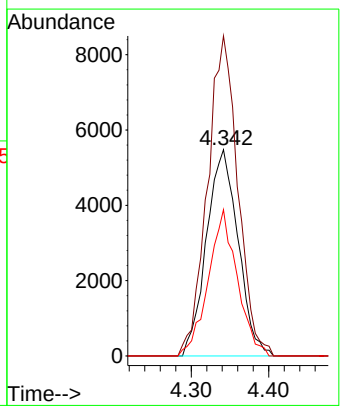


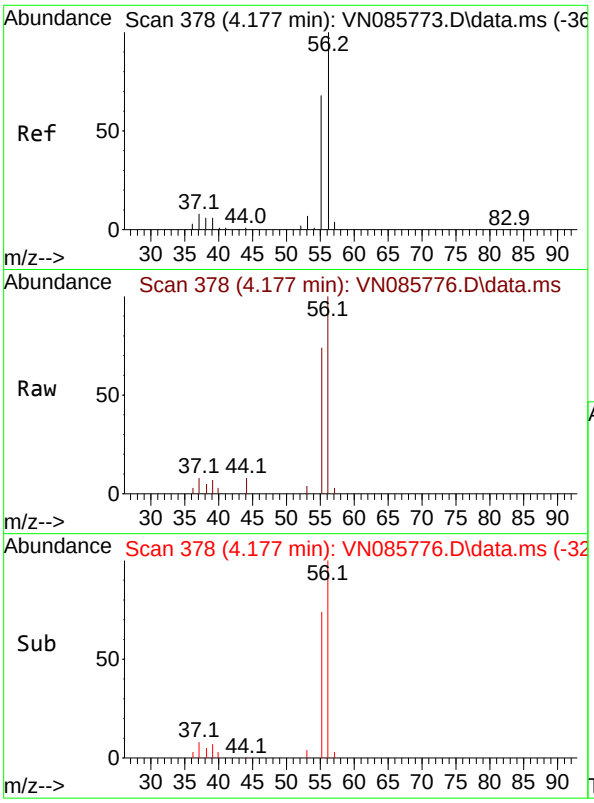


#12
1,1-Dichloroethene
Concen: 5.209 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 96 Resp: 15564

Ion	Ratio	Lower	Upper
96	100		
61	155.1	123.3	184.9
98	70.9	48.6	72.8



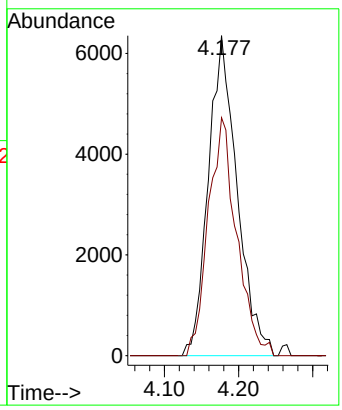


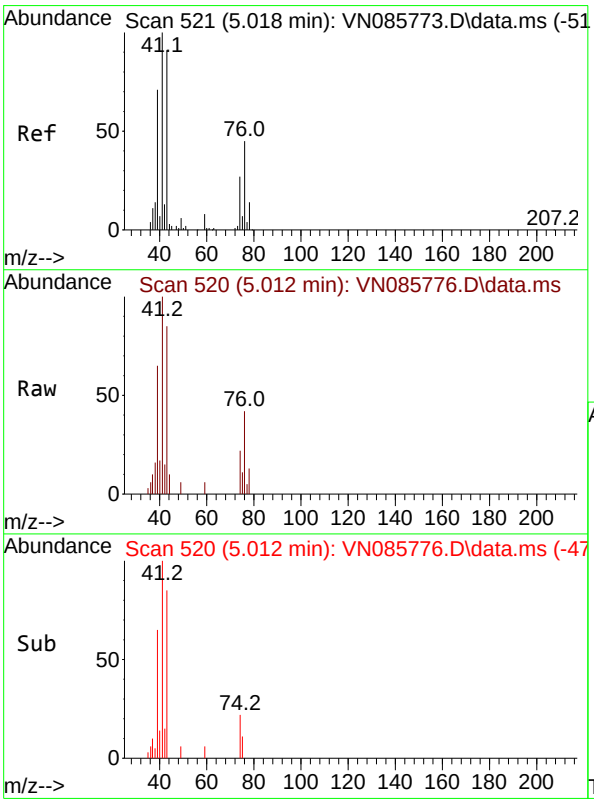
#13
Acrolein
Concen: 26.652 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 17171

Ion	Ratio	Lower	Upper
56	100		
55	73.1	55.3	82.9

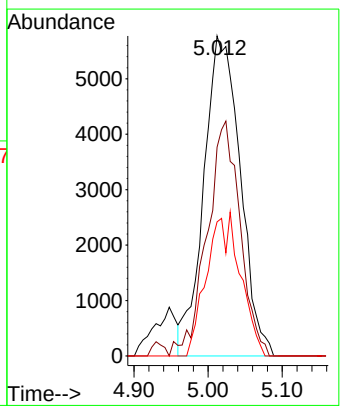


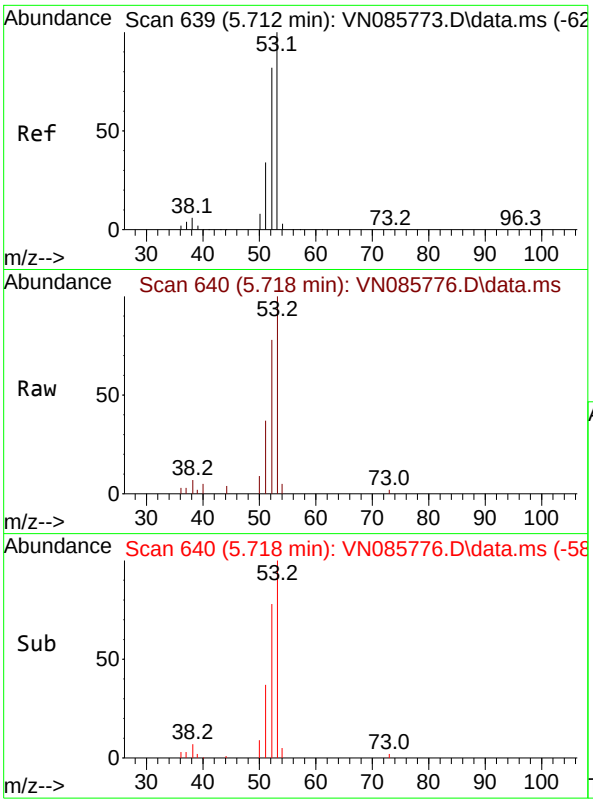


#14
Allyl chloride
Concen: 5.027 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 41 Resp: 19720

Ion	Ratio	Lower	Upper
41	100		
39	66.6	57.4	86.2
76	41.3	36.2	54.2



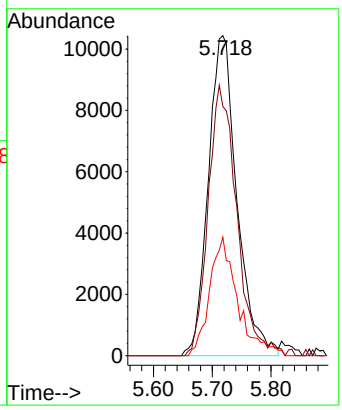


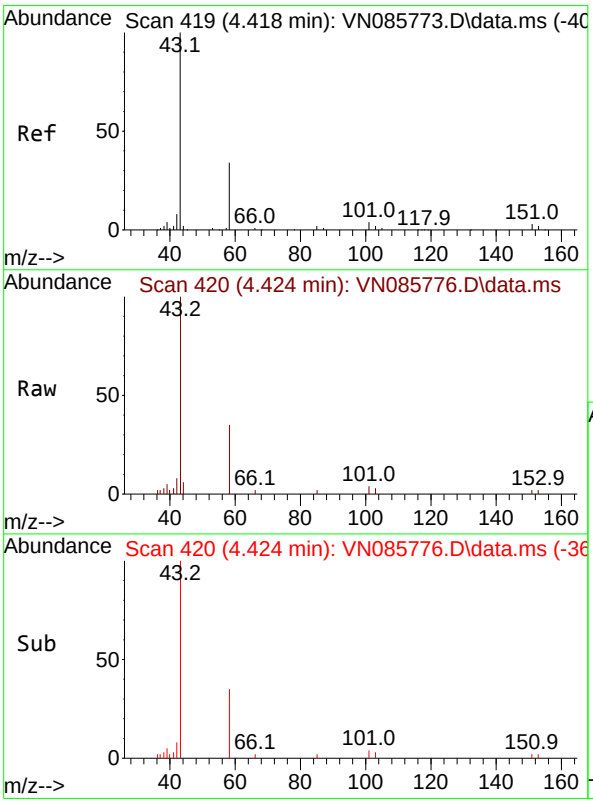
#15
Acrylonitrile
Concen: 25.067 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 35404

Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.6
51	36.2	28.6	42.8

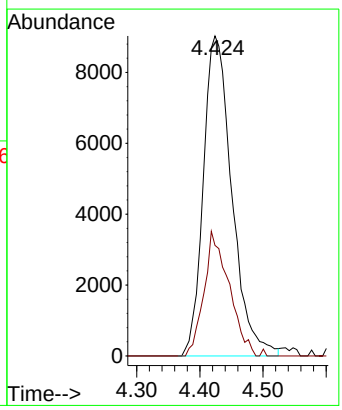


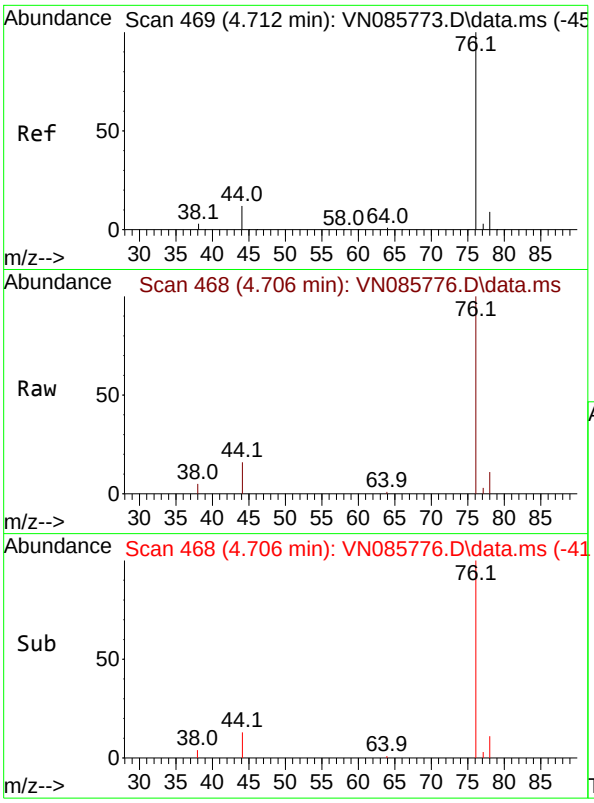


#16
Acetone
Concen: 25.411 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 28402

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.5	41.3



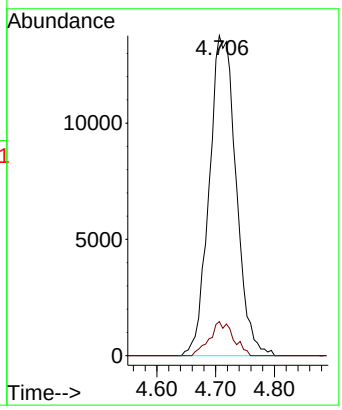


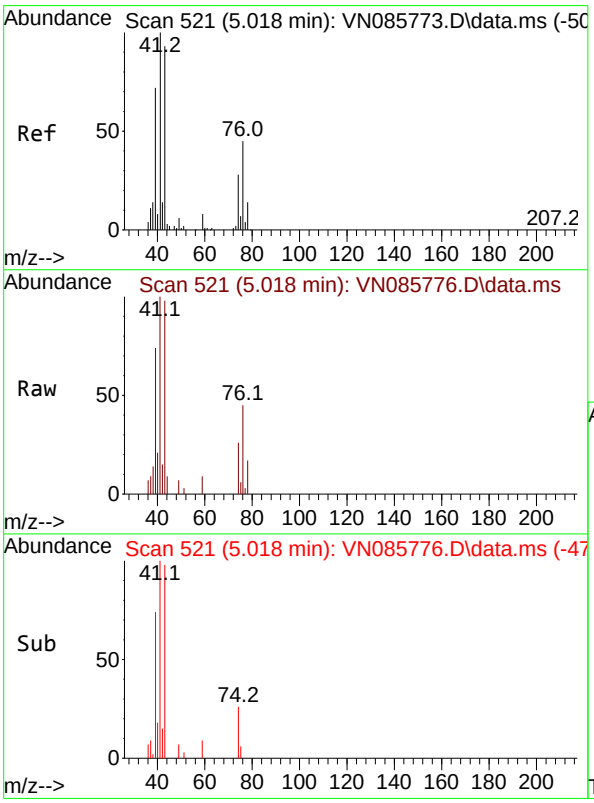
#17
Carbon Disulfide
Concen: 4.936 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 43711

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.4	11.0

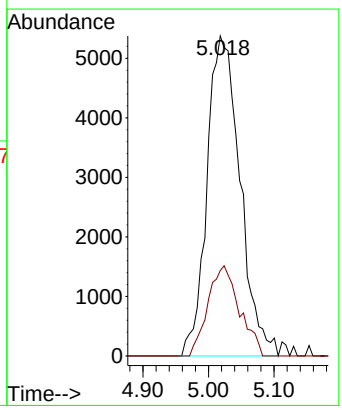


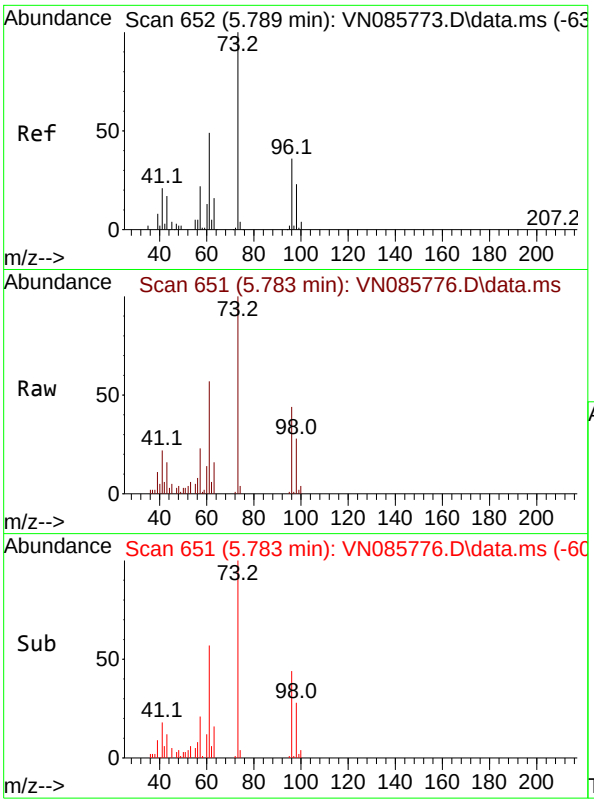


#18
Methyl Acetate
Concen: 4.888 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 18793

Ion	Ratio	Lower	Upper
43	100		
74	26.9	22.2	33.4



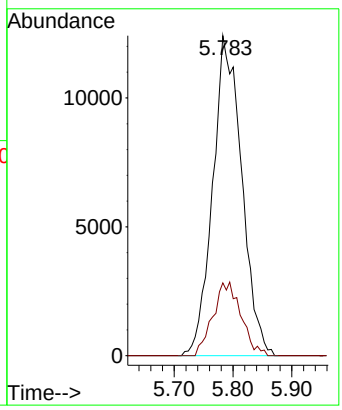


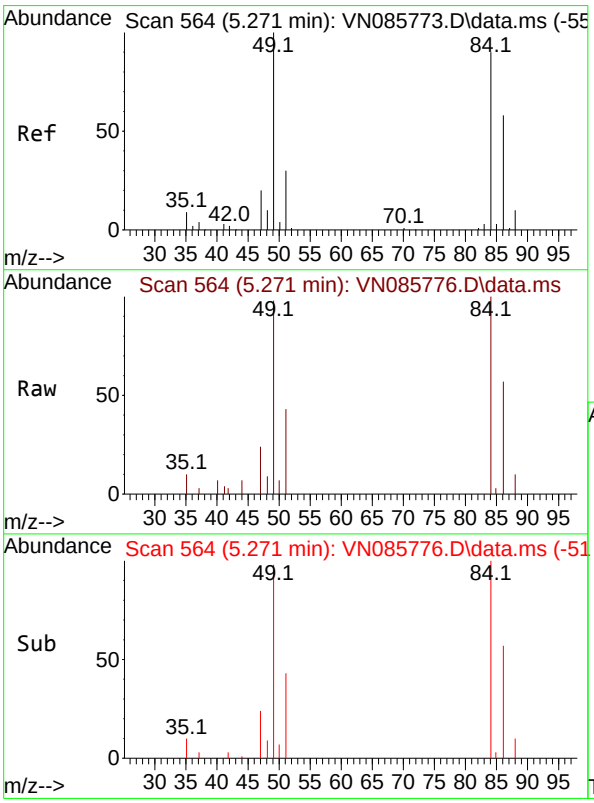
#19
Methyl tert-butyl Ether
Concen: 4.786 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 42491

Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.6	26.4

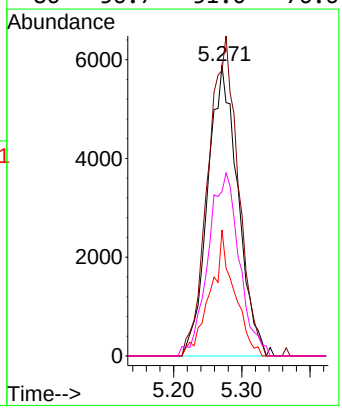


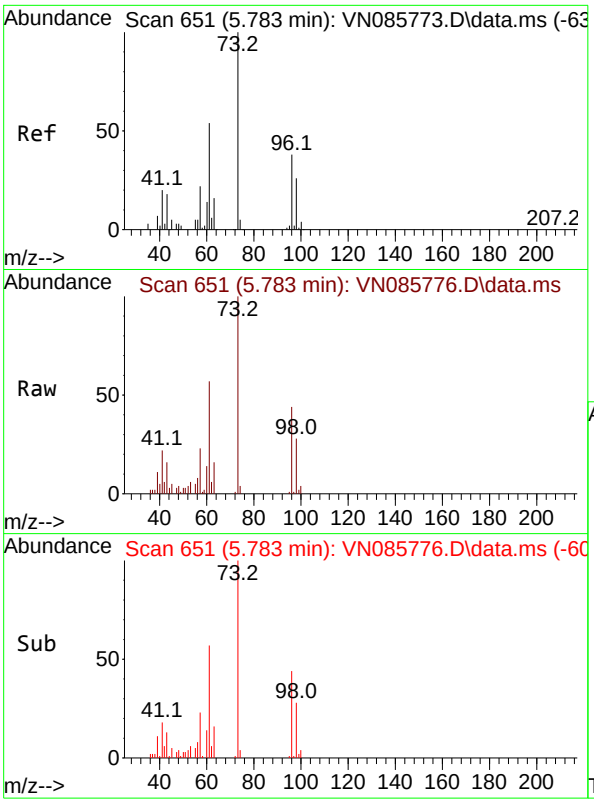


#20
Methylene Chloride
Concen: 5.046 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 84 Resp: 18139

Ion	Ratio	Lower	Upper
84	100		
49	98.4	88.4	132.6
51	43.4	26.6	40.0#
86	56.7	51.0	76.6



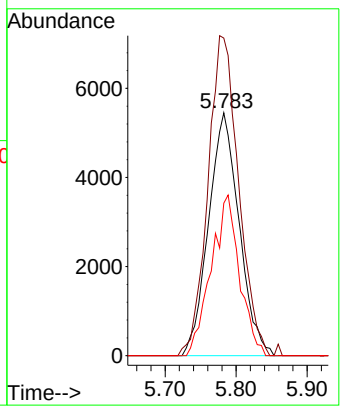


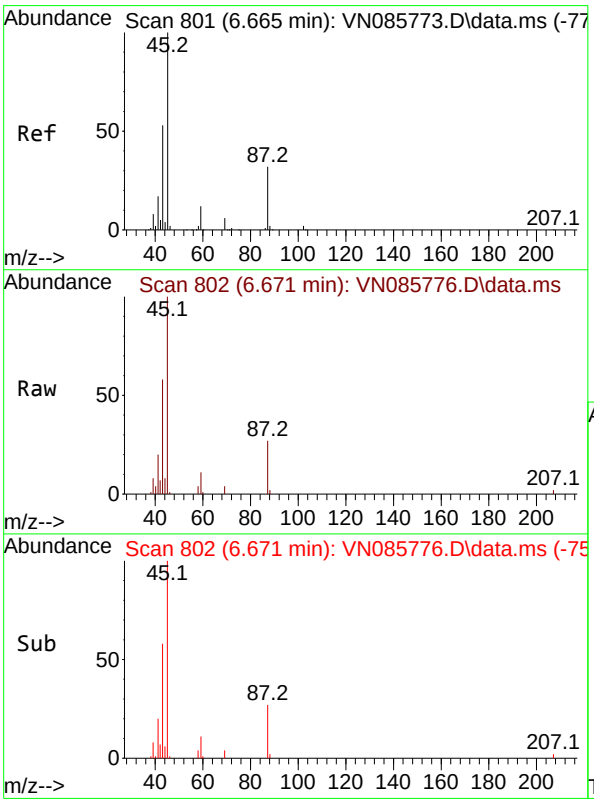
#21
trans-1,2-Dichloroethene
Concen: 5.076 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 16330

Ion	Ratio	Lower	Upper
96	100		
61	130.8	112.6	168.8
98	62.8	53.3	79.9

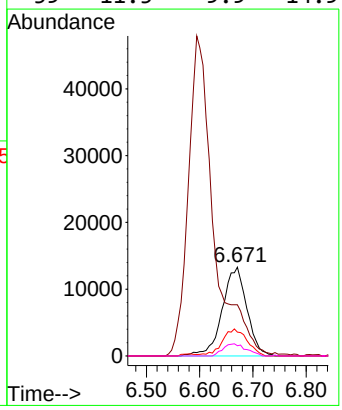


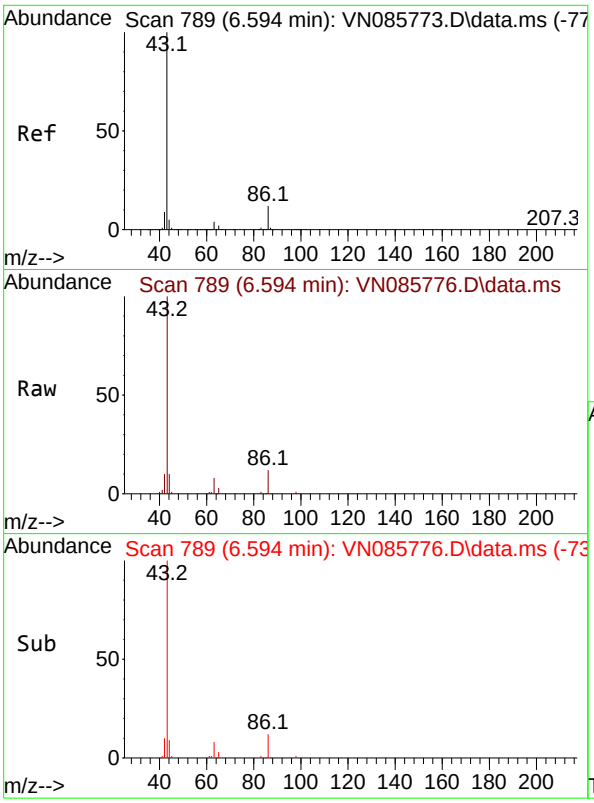


#22
Diisopropyl ether
Concen: 4.817 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 45 Resp: 42703

Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.6	64.0
87	26.8	25.8	38.8
59	11.5	9.9	14.9



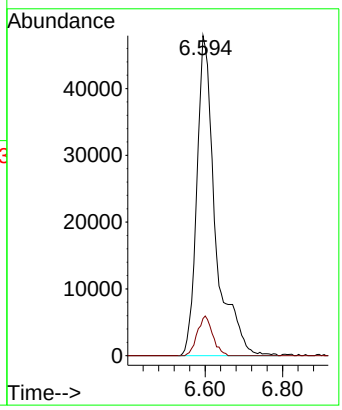


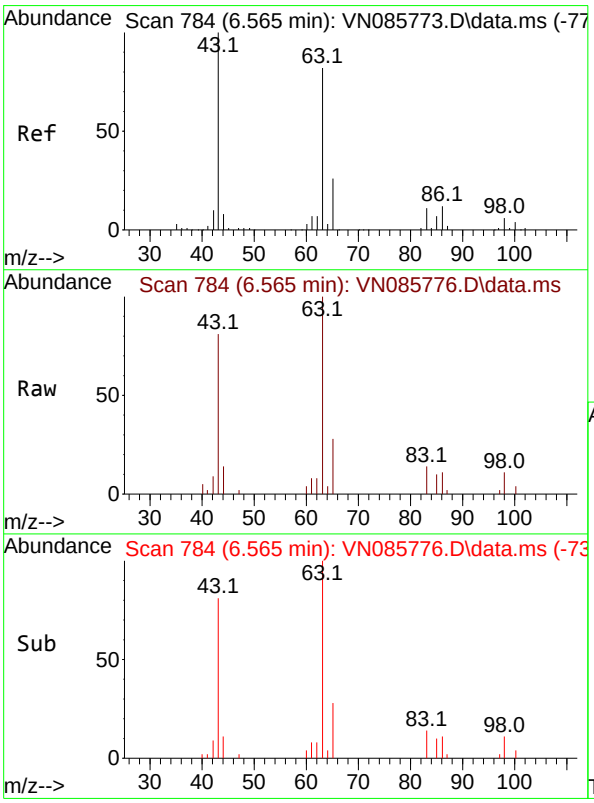
#23
Vinyl Acetate
Concen: 26.289 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 159070

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.8	14.8

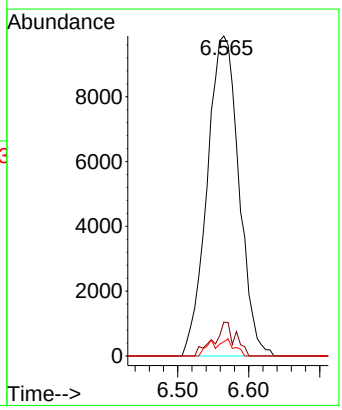


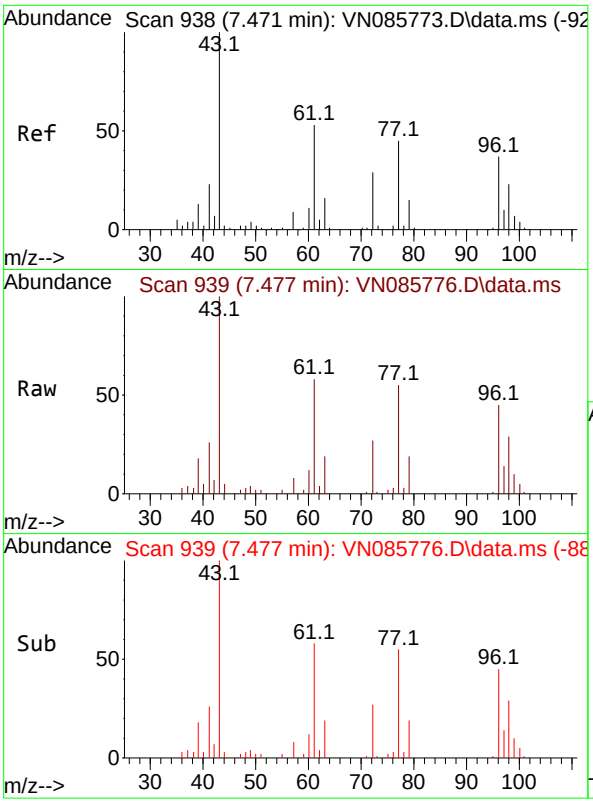


#24
1,1-Dichloroethane
Concen: 5.088 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 63 Resp: 30658

Ion	Ratio	Lower	Upper
63	100		
98	10.6	3.5	10.4#
100	4.4	2.4	7.2



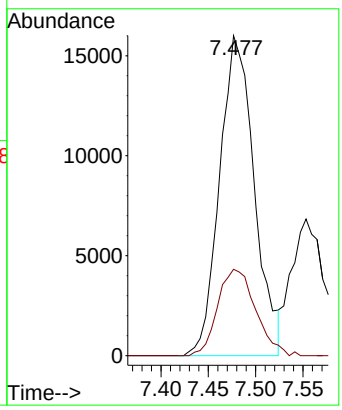


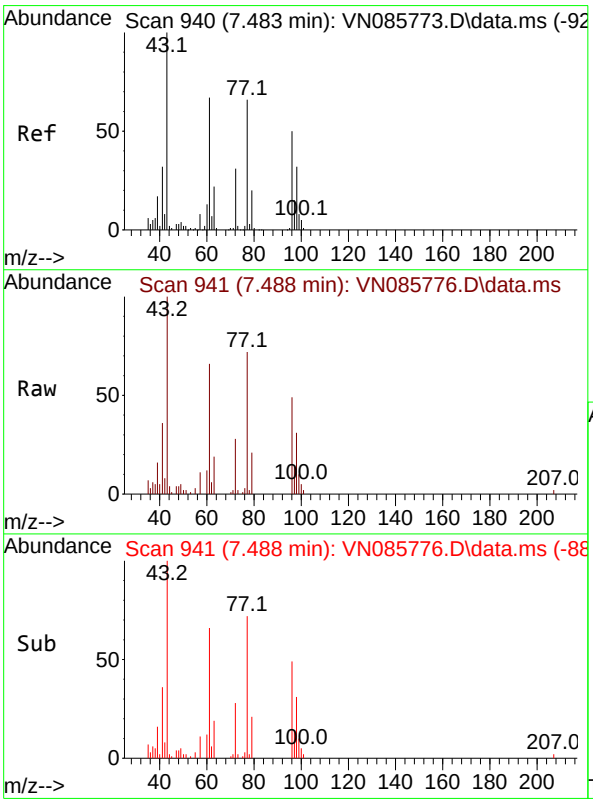
#25
2-Butanone
Concen: 24.809 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 40795

Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.6	35.4

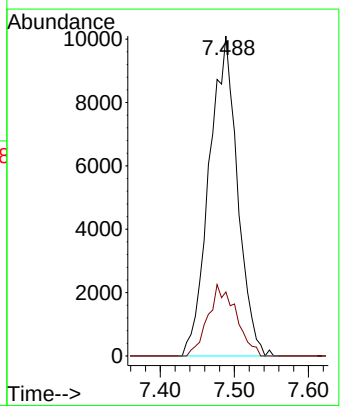


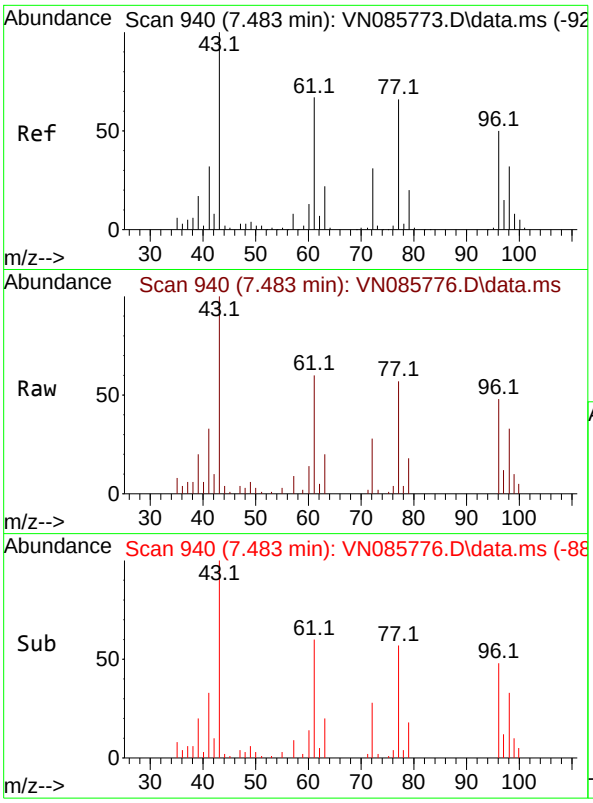


#26
2,2-Dichloropropane
Concen: 5.018 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 77 Resp: 26889

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.3	33.8



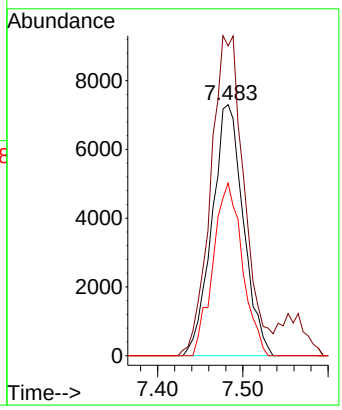


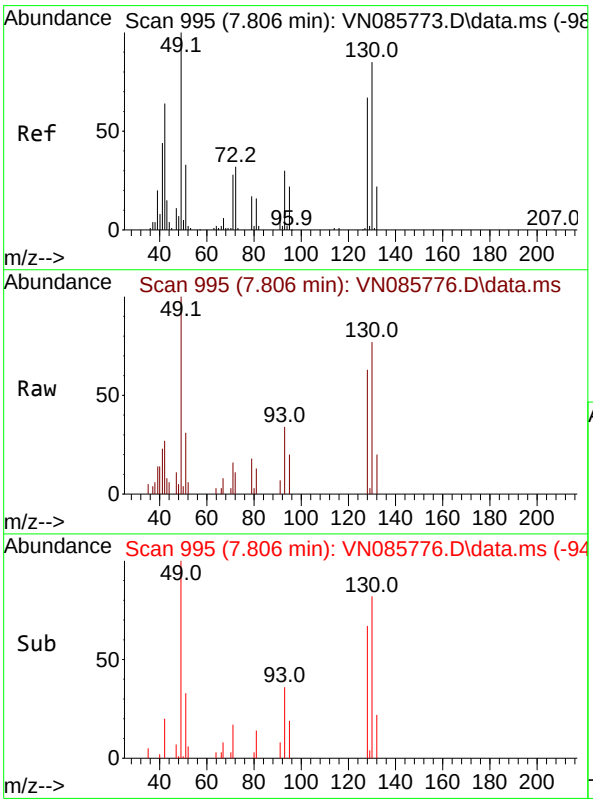
#27
cis-1,2-Dichloroethene
Concen: 5.006 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 18673

Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	280.6
98	64.4	0.0	128.6

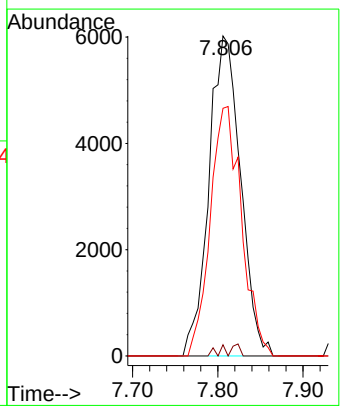


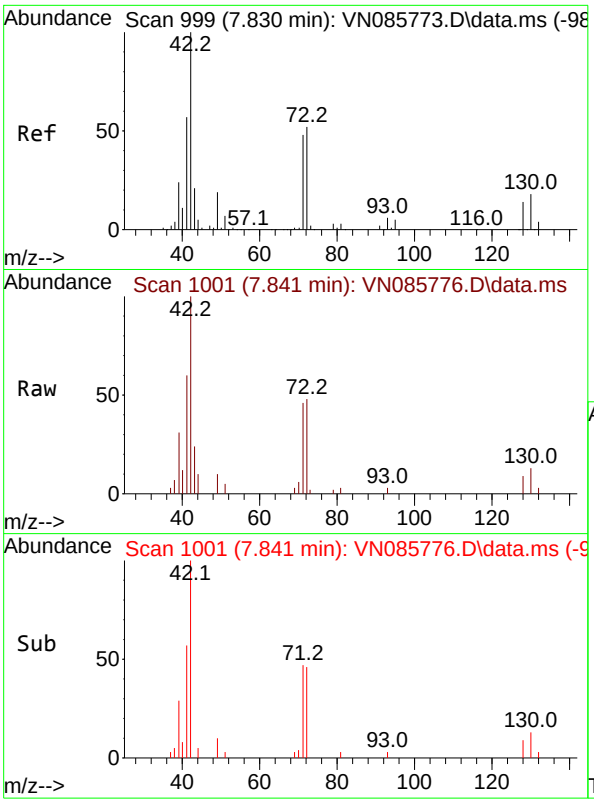


#28
Bromochloromethane
Concen: 6.276 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 49 Resp: 15543

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	76.8	68.0	102.0



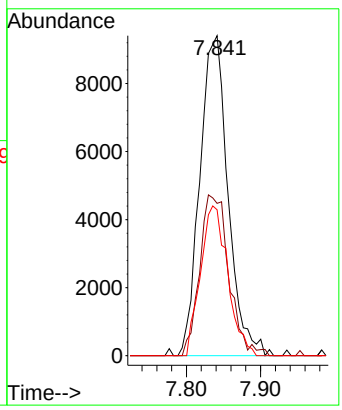


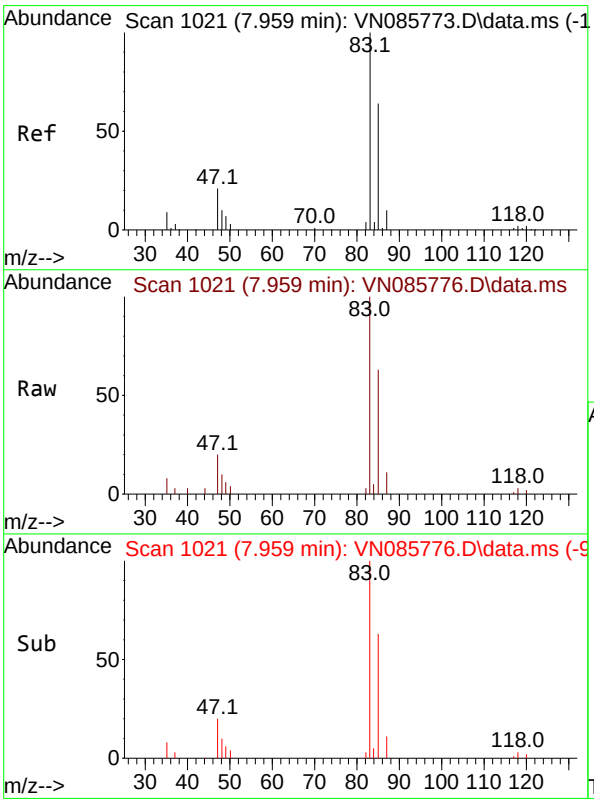
#29
Tetrahydrofuran
Concen: 23.457 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 24907

Ion	Ratio	Lower	Upper
42	100		
72	51.7	40.0	60.0
71	45.2	37.0	55.4

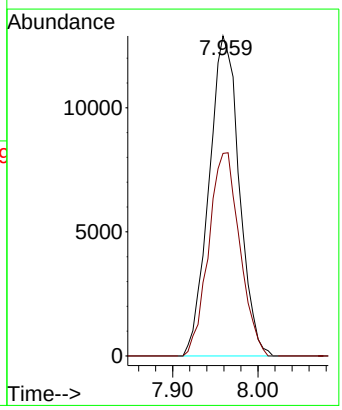


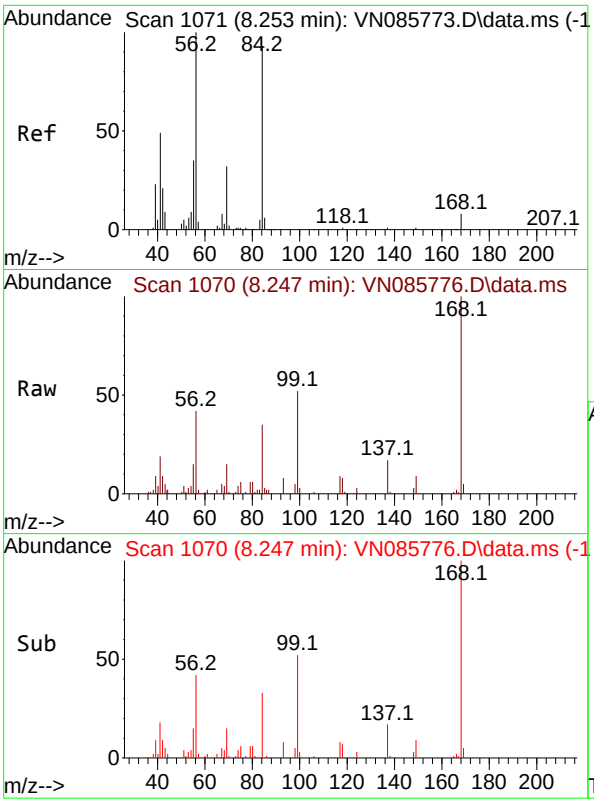


#30
Chloroform
Concen: 5.034 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 83 Resp: 31702

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3



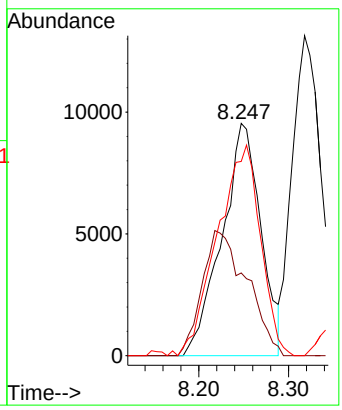


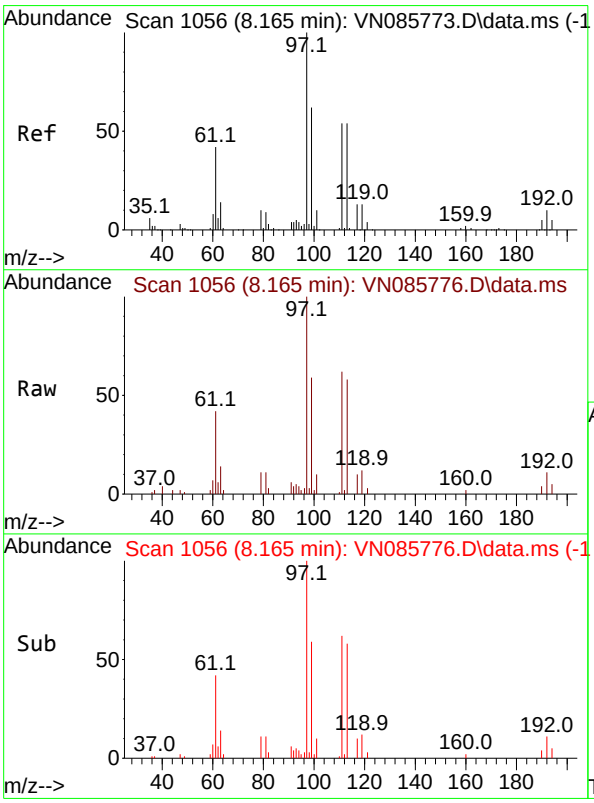
#31
Cyclohexane
Concen: 5.705 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 28784

Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.8	38.6
84	83.6	74.5	111.7

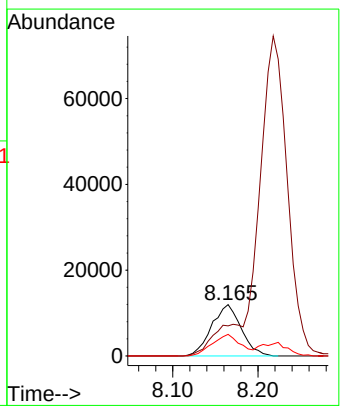


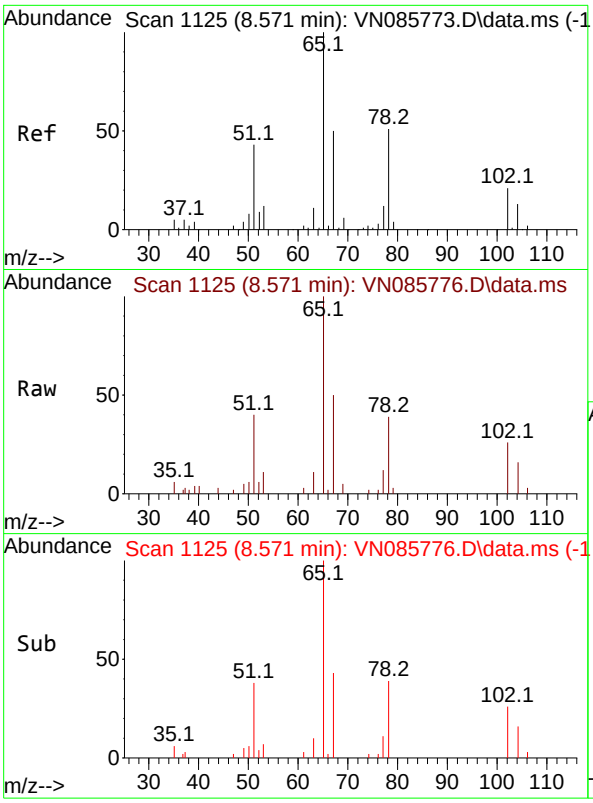


#32
1,1,1-Trichloroethane
Concen: 5.145 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 97 Resp: 28815

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	40.7	35.5	53.3



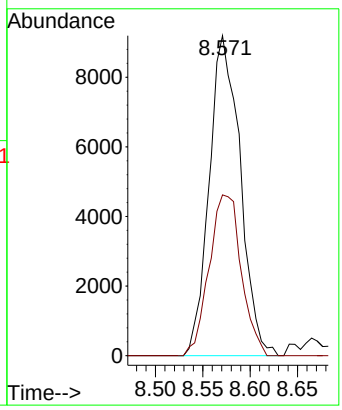


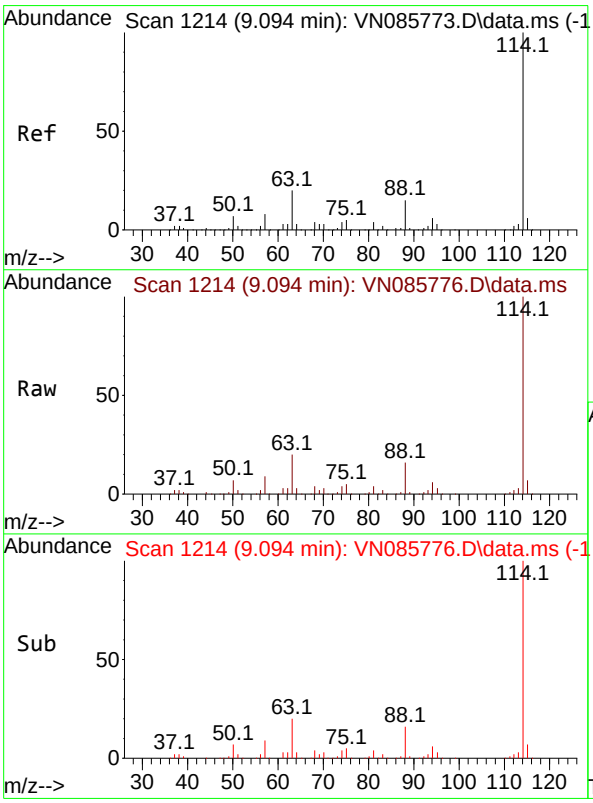
#33
1,2-Dichloroethane-d4
Concen: 5.918 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 20906

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2

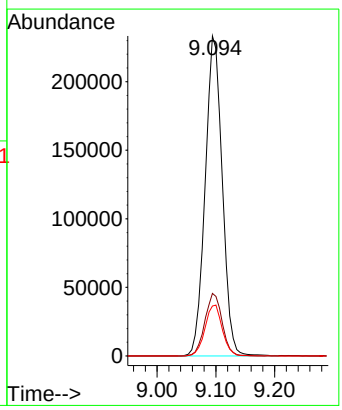


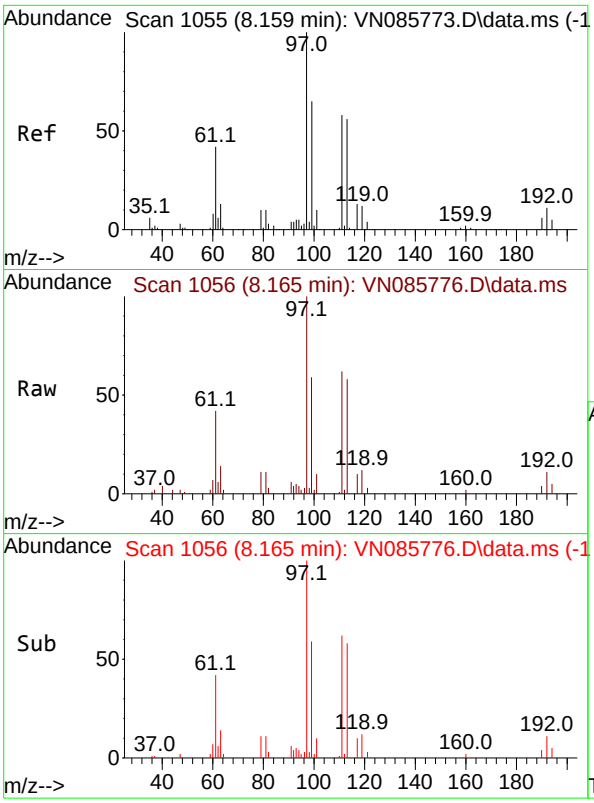


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:114 Resp: 471970

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.2
88	15.6	0.0	30.0



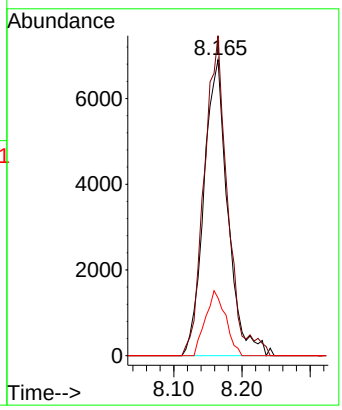


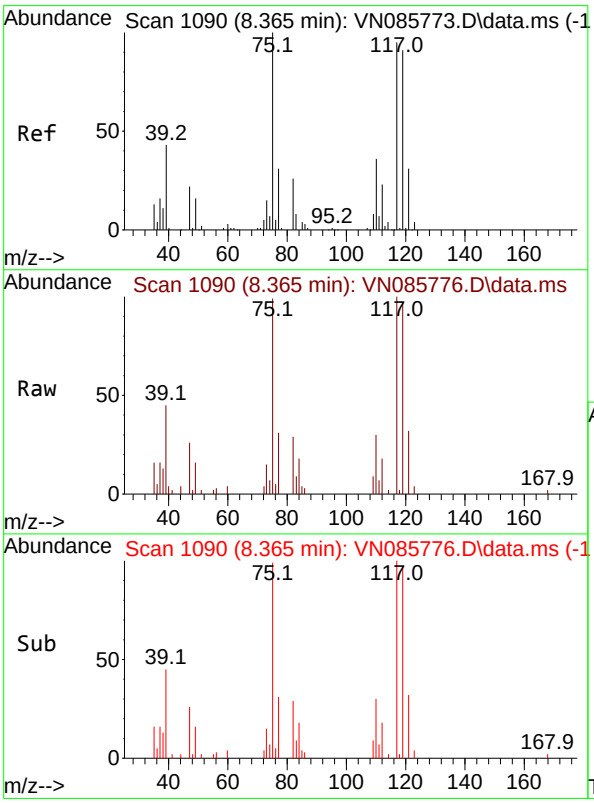
#35
Dibromofluoromethane
Concen: 5.461 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 16866

Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.2	123.4
192	18.5	14.7	22.1

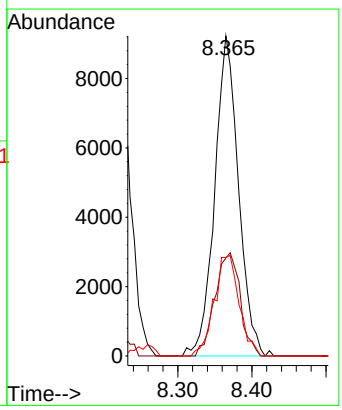


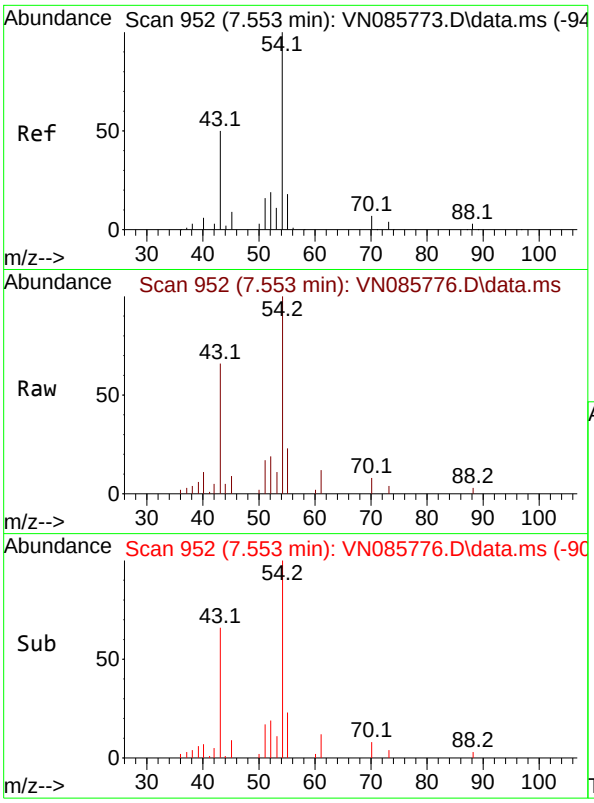


#36
1,1-Dichloropropene
Concen: 4.711 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 20593

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	33.0	24.6	37.0



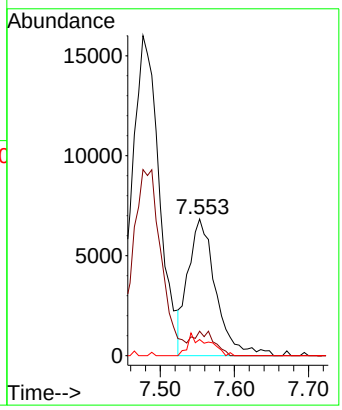


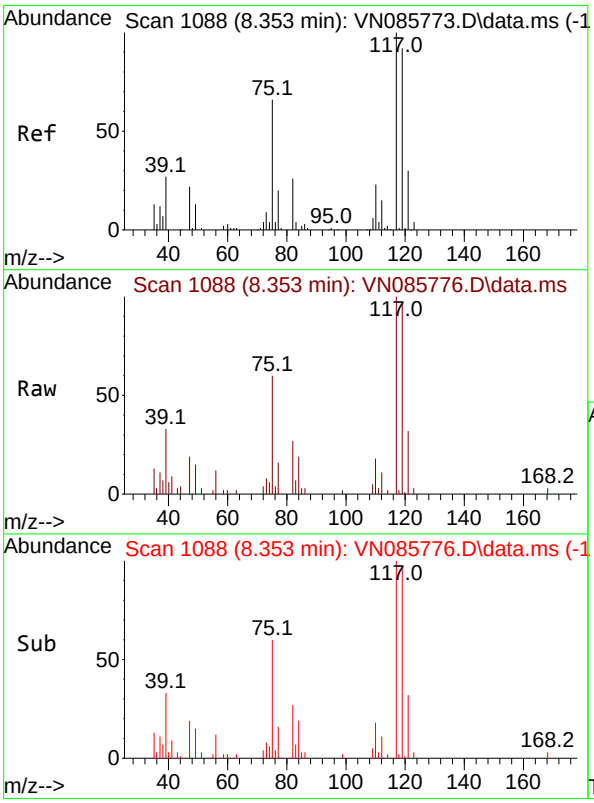
#37
Ethyl Acetate
Concen: 4.940 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 17768

Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.2	18.2
70	0.0	9.5	14.3#

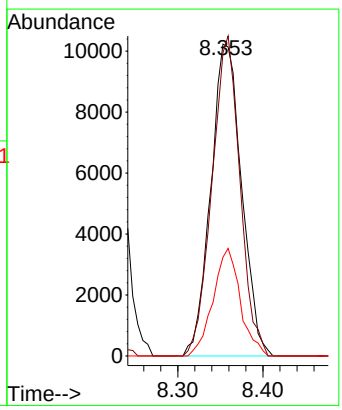


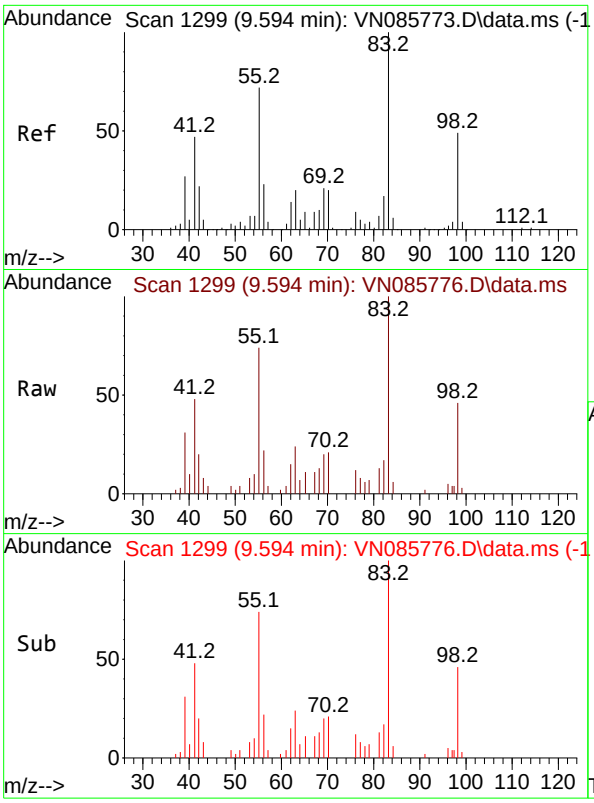


#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:117 Resp: 25734

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.8	110.6
121	31.7	24.3	36.5



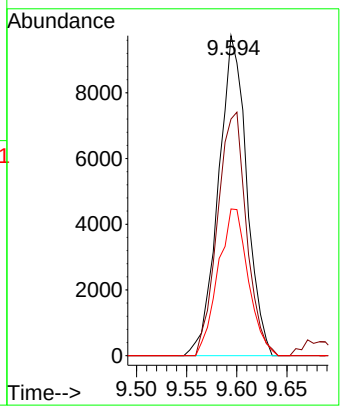


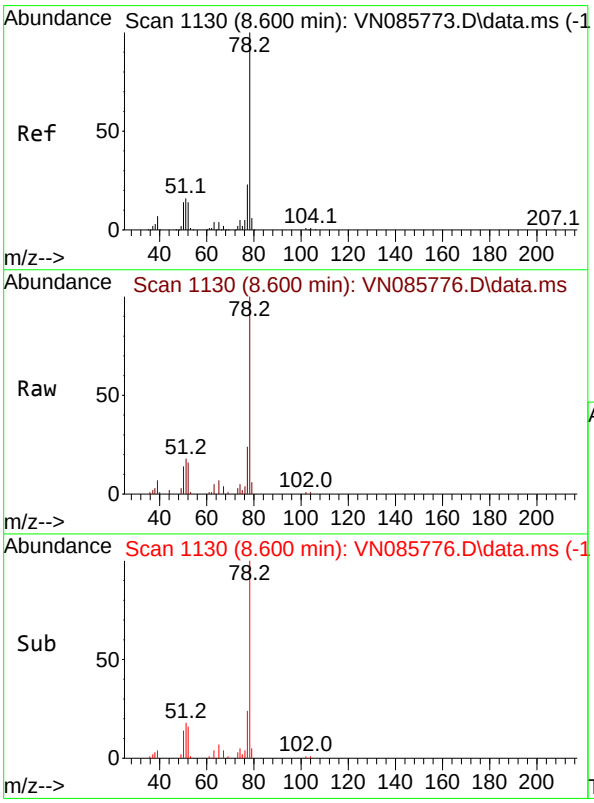
#39
Methylcyclohexane
Concen: 4.451 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 19113

Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.5	86.3
98	45.8	39.2	58.8

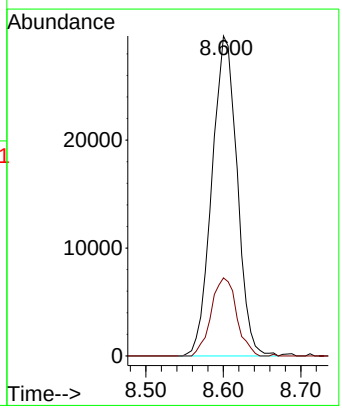


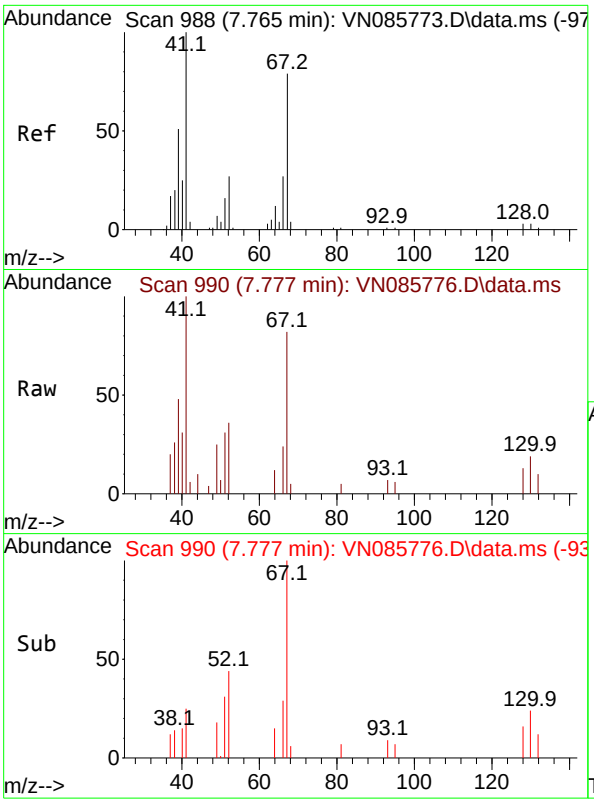


#40
Benzene
Concen: 4.786 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 78 Resp: 67051

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.3	27.5



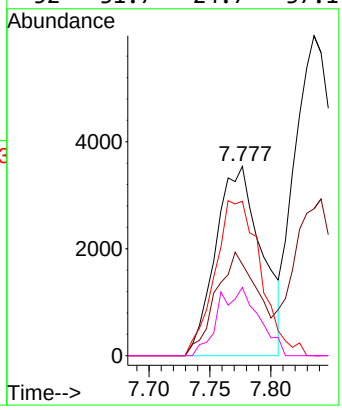


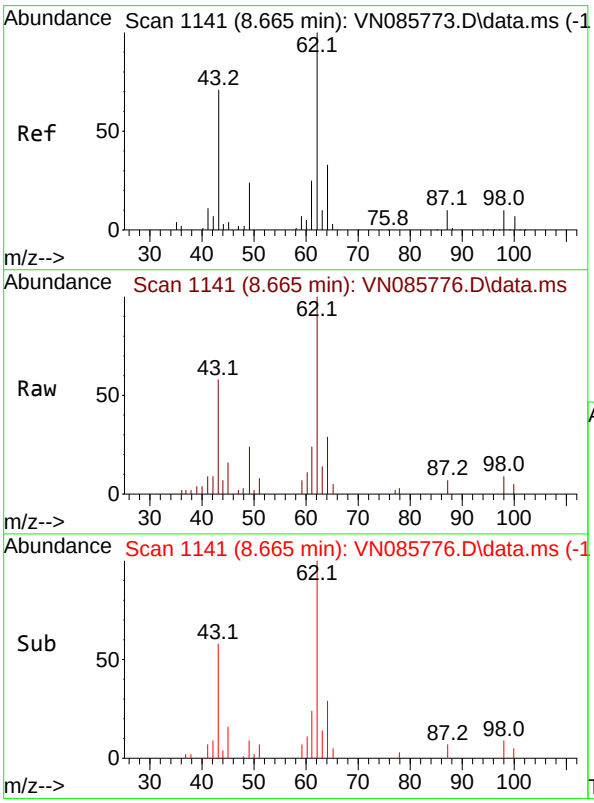
#41
Methacrylonitrile
Concen: 4.835 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9296

Ion	Ratio	Lower	Upper
41	100		
39	49.9	42.0	63.0
67	81.8	64.2	96.4
52	31.7	24.7	37.1

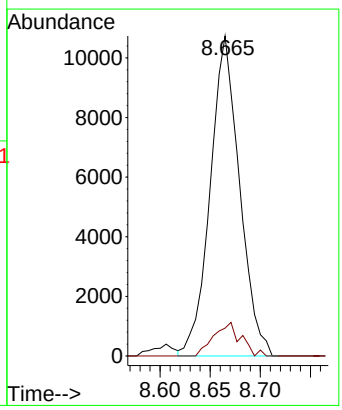


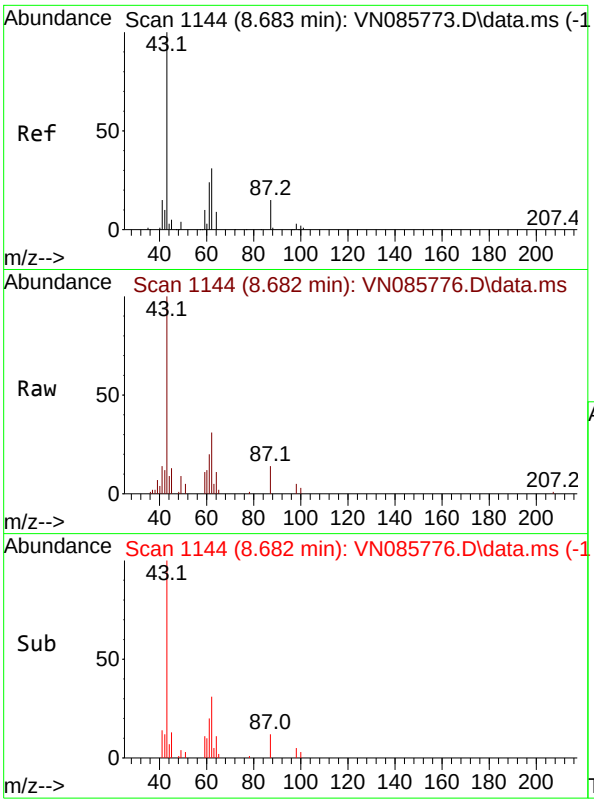


#42
1,2-Dichloroethane
Concen: 4.796 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 62 Resp: 21886

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6



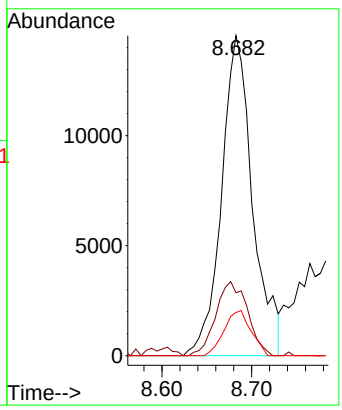


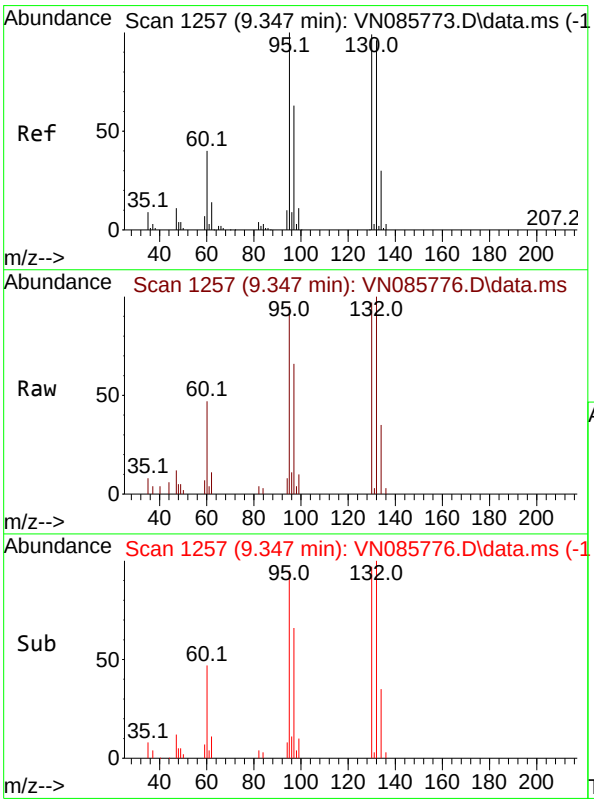
#43
Isopropyl Acetate
Concen: 5.059 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 35032

Ion	Ratio	Lower	Upper
43	100		
61	23.7	22.6	34.0
87	12.2	11.8	17.8

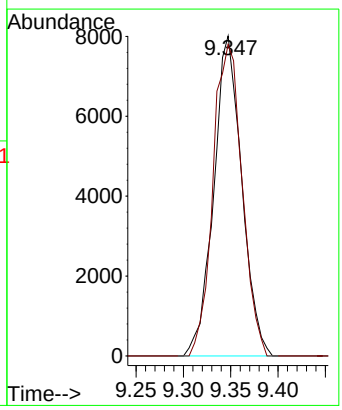


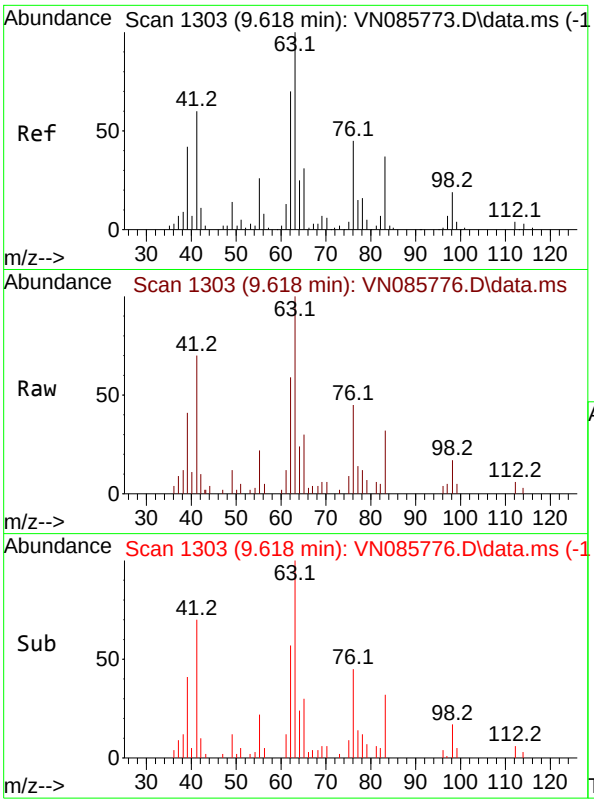


#44
Trichloroethene
Concen: 4.801 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:130 Resp: 16513

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	202.6



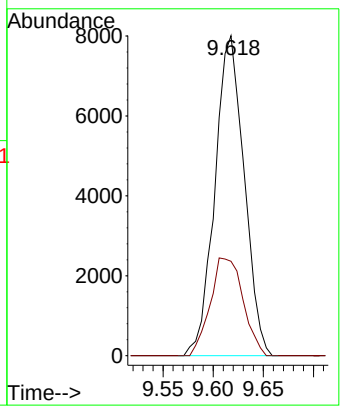


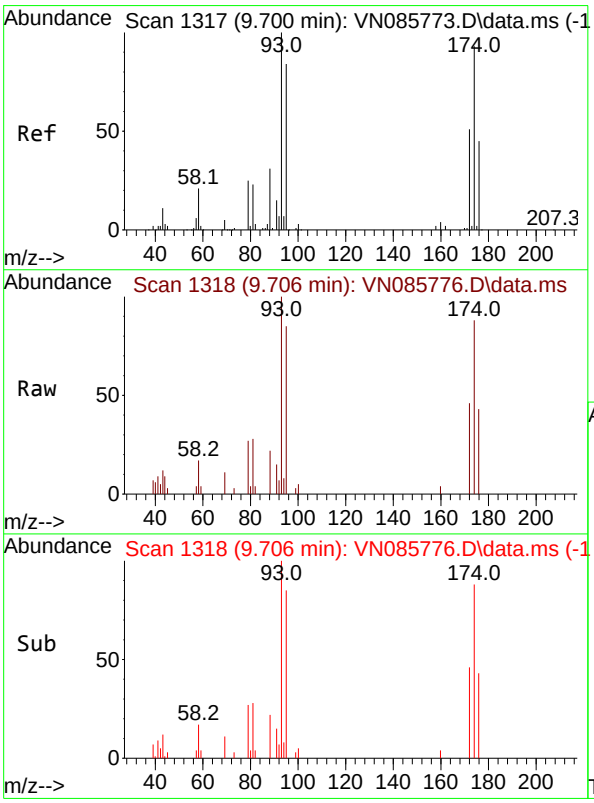
#45
1,2-Dichloropropane
Concen: 4.799 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 16228

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.1	37.7

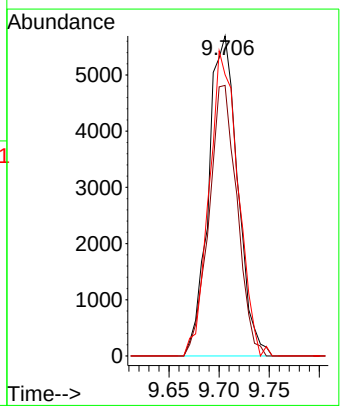


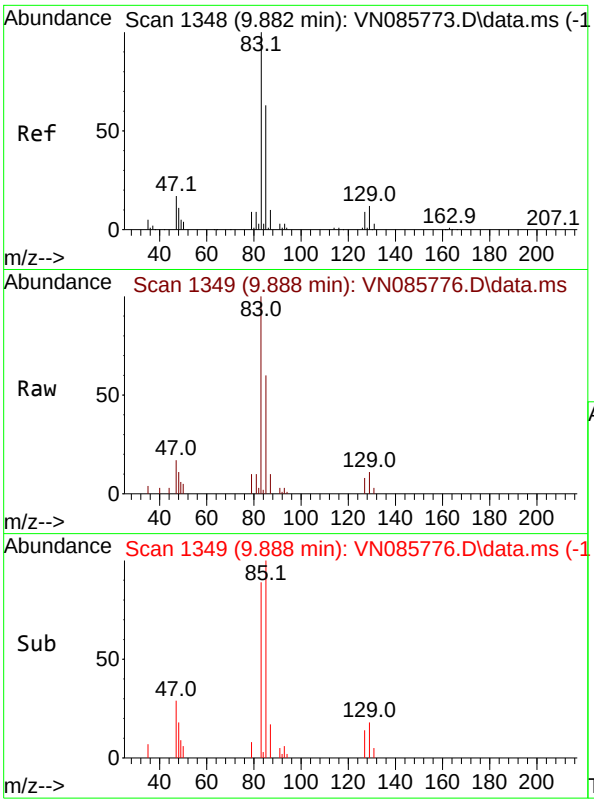


#46
Dibromomethane
Concen: 4.840 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 93 Resp: 11544

Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.7	100.1
174	94.4	77.2	115.8



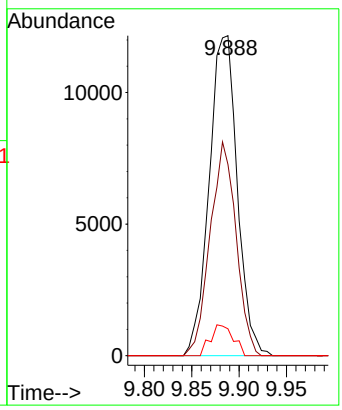


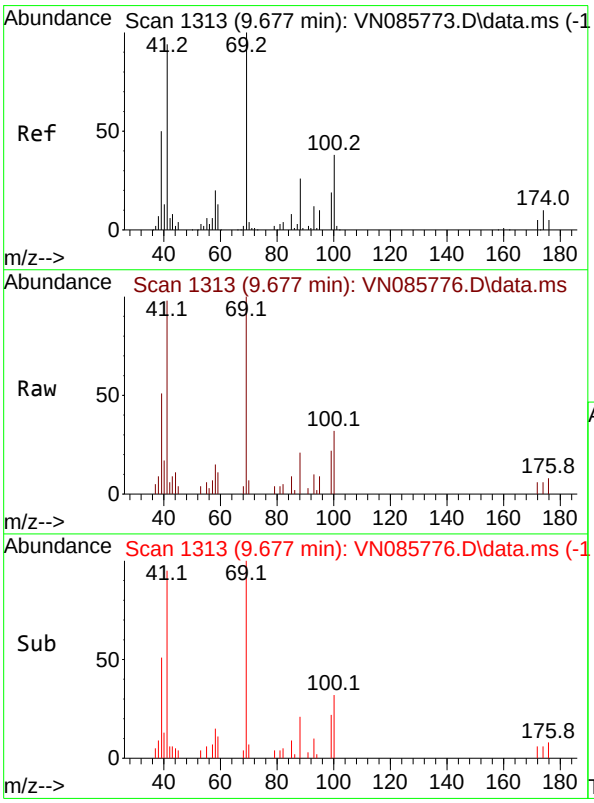
#47
Bromodichloromethane
Concen: 4.929 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 25152

Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.5	75.7
127	8.4	7.2	10.8

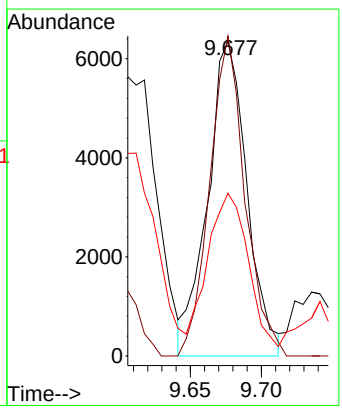


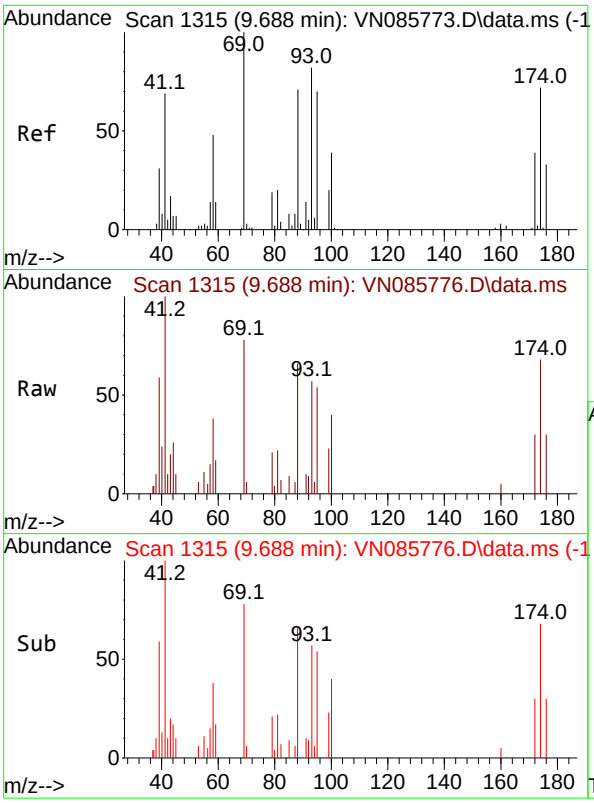


#48
Methyl methacrylate
Concen: 4.567 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 41 Resp: 12200

Ion	Ratio	Lower	Upper
41	100		
69	91.5	76.0	114.0
39	55.0	42.3	63.5



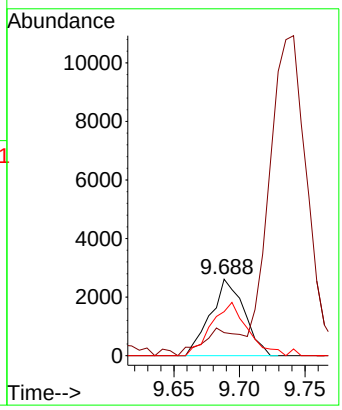


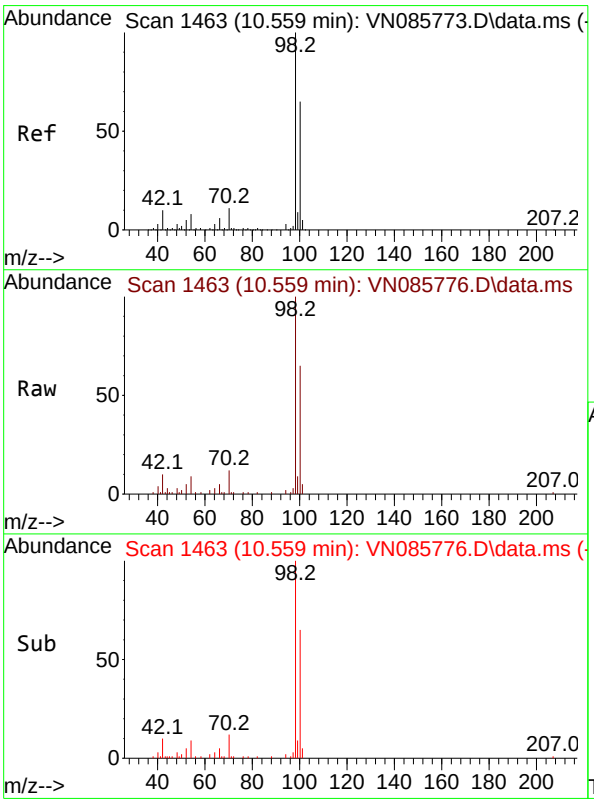
#49
1,4-Dioxane
Concen: 91.913 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 4669

Ion	Ratio	Lower	Upper
88	100		
43	36.1	18.6	27.8#
58	75.8	56.7	85.1

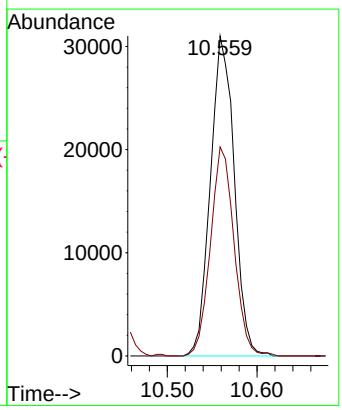


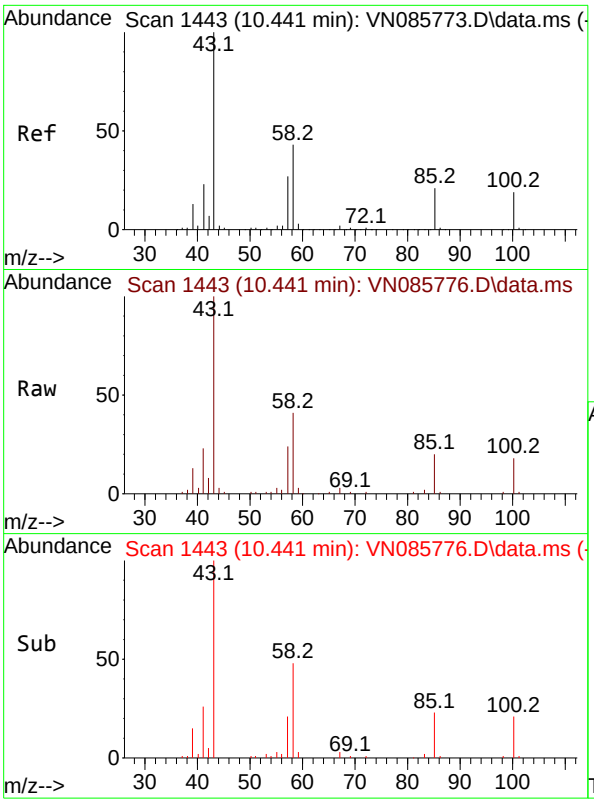


#50
Toluene-d8
Concen: 5.089 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 98 Resp: 57180

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1



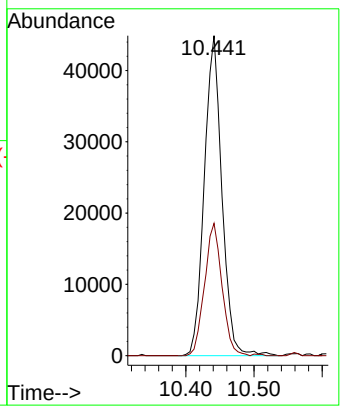


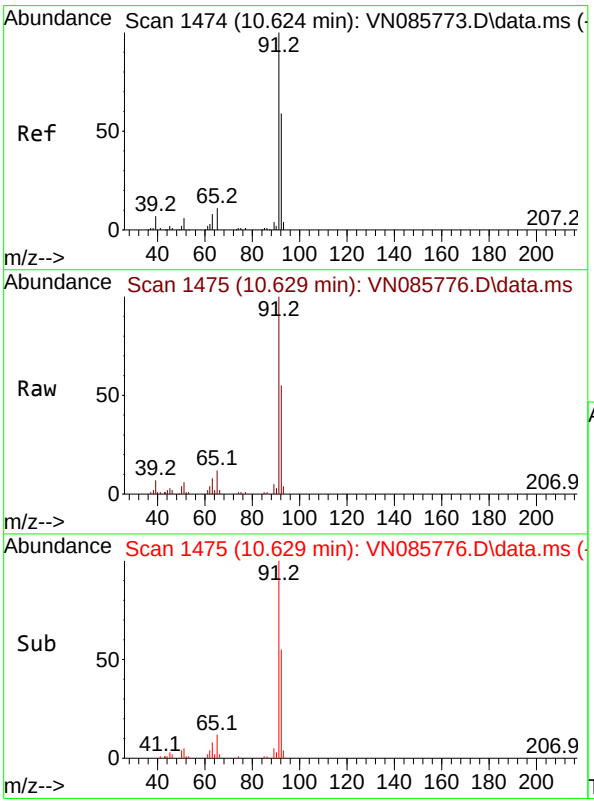
#51
4-Methyl-2-Pentanone
Concen: 23.260 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 80666

Ion	Ratio	Lower	Upper
43	100		
58	41.0	34.6	52.0

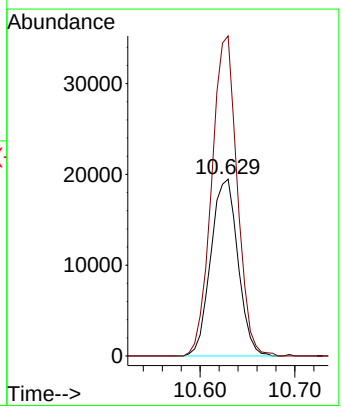


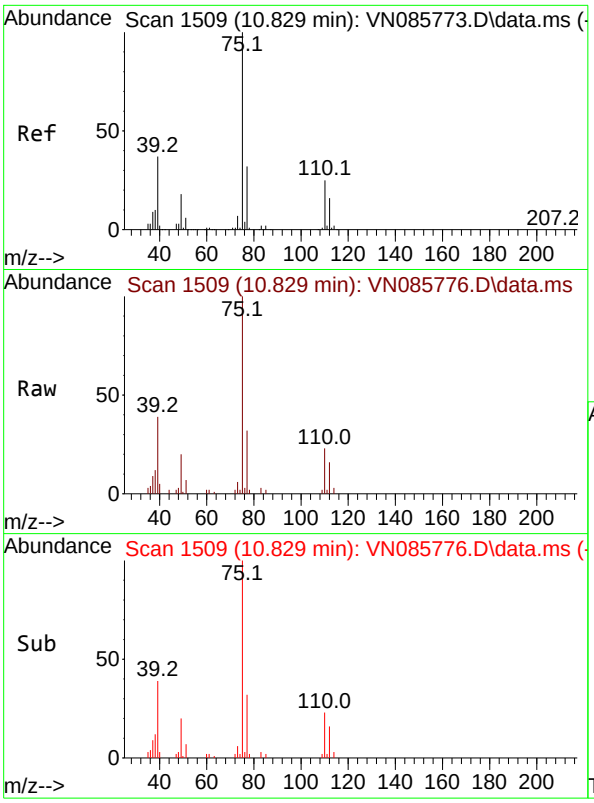


#52
Toluene
Concen: 4.713 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 92 Resp: 38701

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.9	205.3



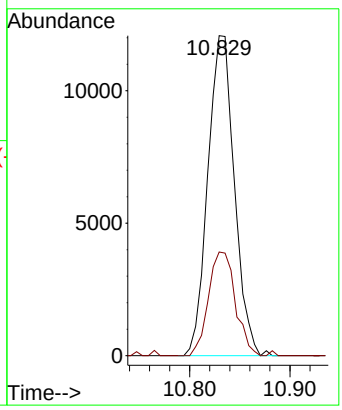


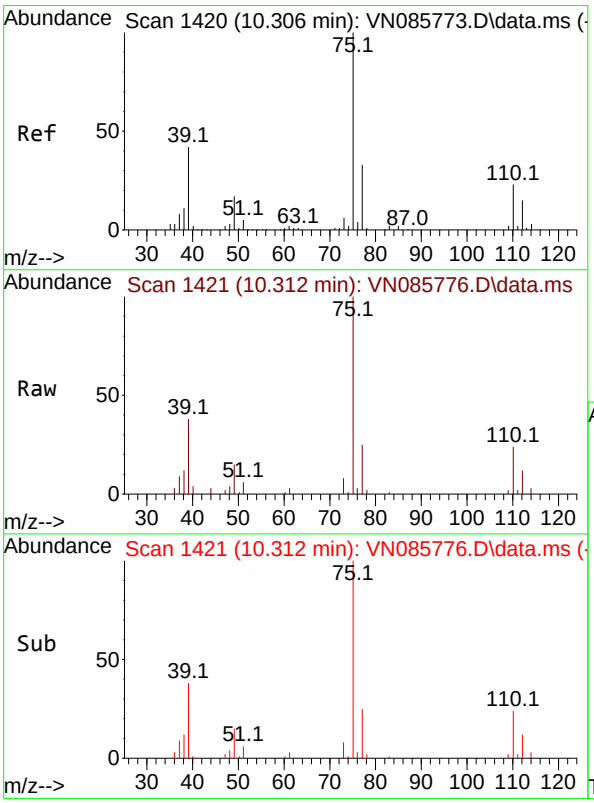
#53
t-1,3-Dichloropropene
Concen: 4.708 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 22215

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0

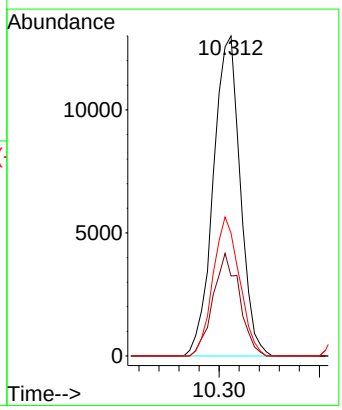


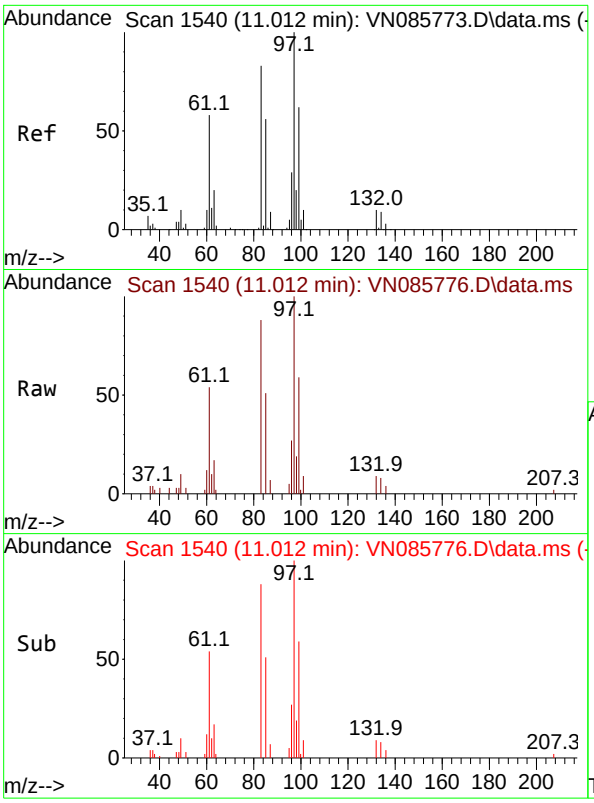


#54
cis-1,3-Dichloropropene
Concen: 4.684 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 24235

Ion	Ratio	Lower	Upper
75	100		
77	25.0	26.1	39.1#
39	38.4	33.4	50.0



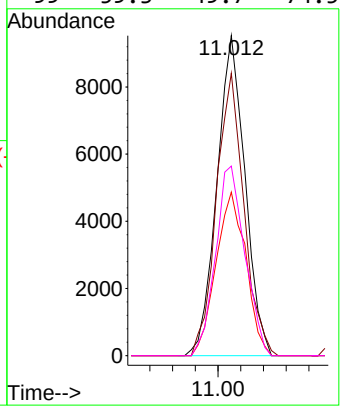


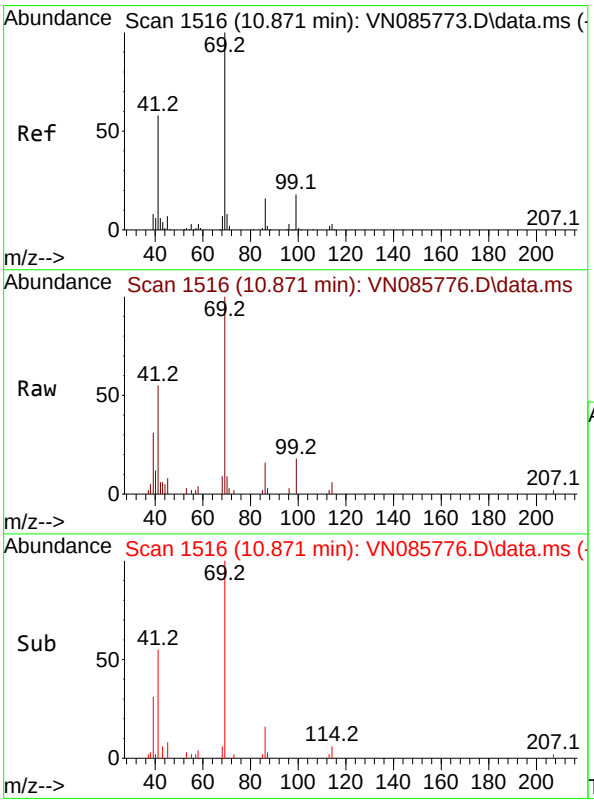
#55
1,1,2-Trichloroethane
Concen: 5.008 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 16352

Ion	Ratio	Lower	Upper
97	100		
83	88.2	66.1	99.1
85	51.1	44.7	67.1
99	59.3	49.7	74.5

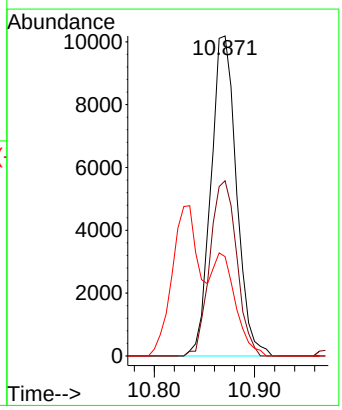


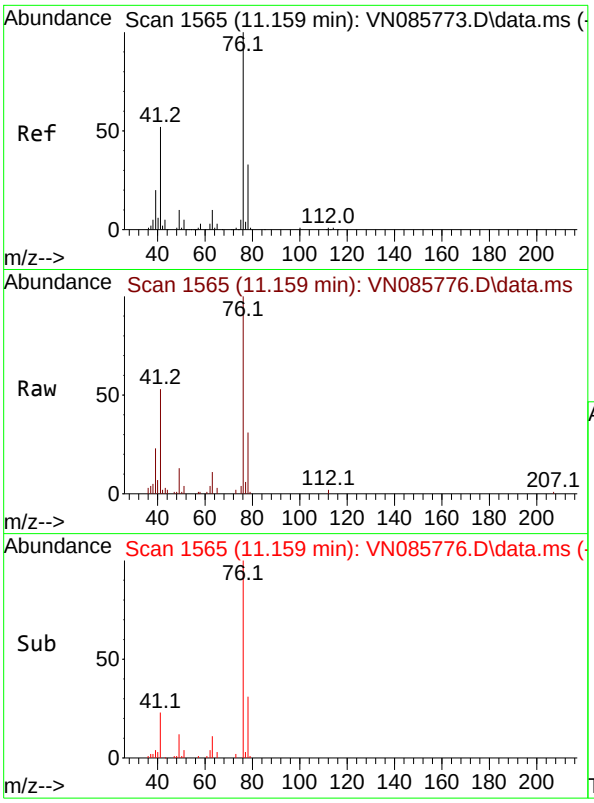


#56
Ethyl methacrylate
Concen: 4.704 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 69 Resp: 18032

Ion	Ratio	Lower	Upper
69	100		
41	57.4	46.0	69.0
39	28.9	22.0	33.0



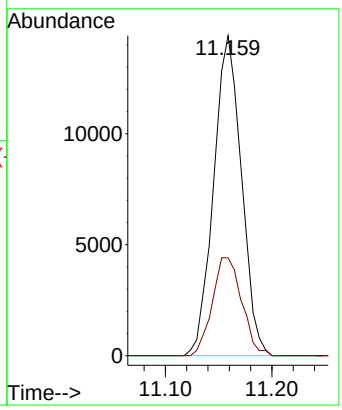


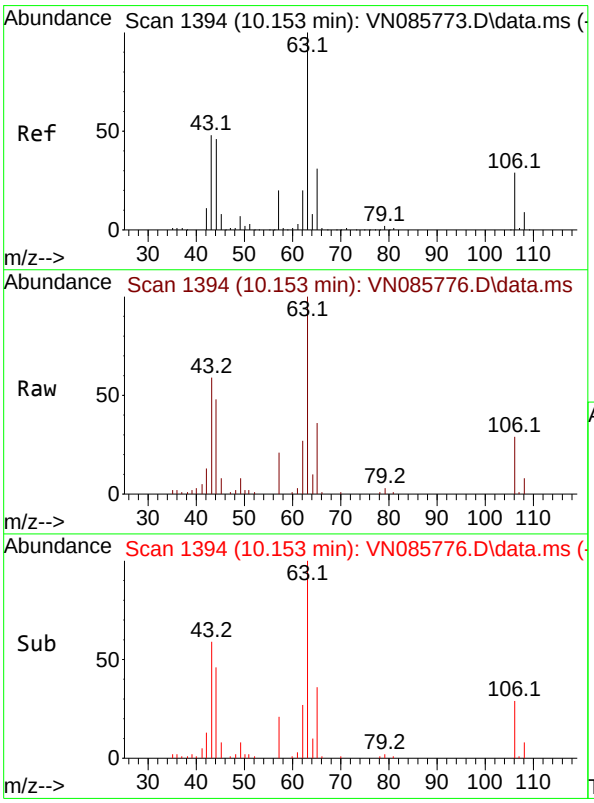
#57
1,3-Dichloropropane
Concen: 4.792 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 26117

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

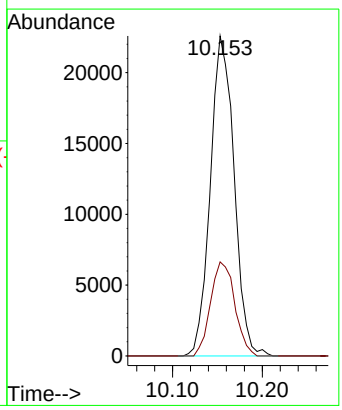


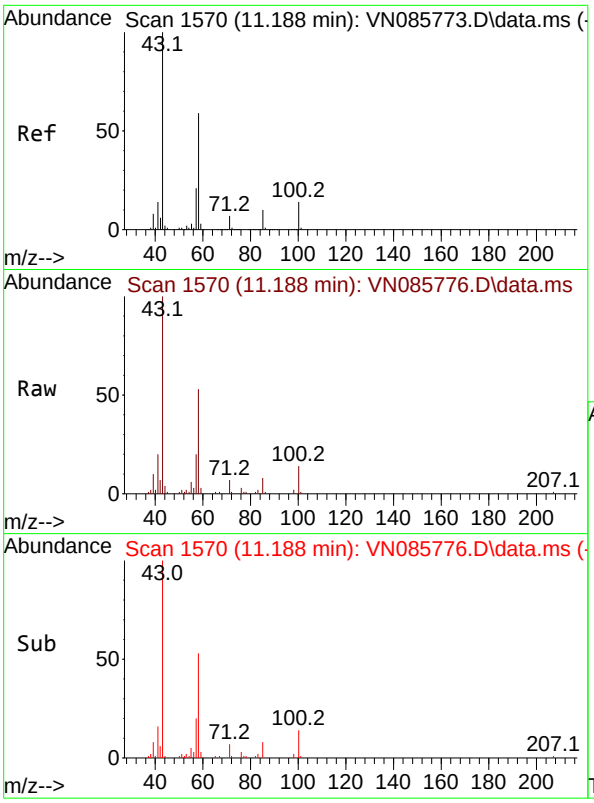


#58
2-Chloroethyl Vinyl ether
Concen: 14.159 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 63 Resp: 41567

Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.7	34.1



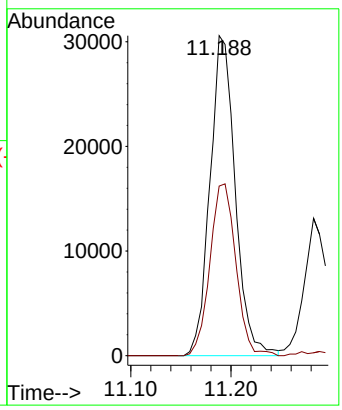


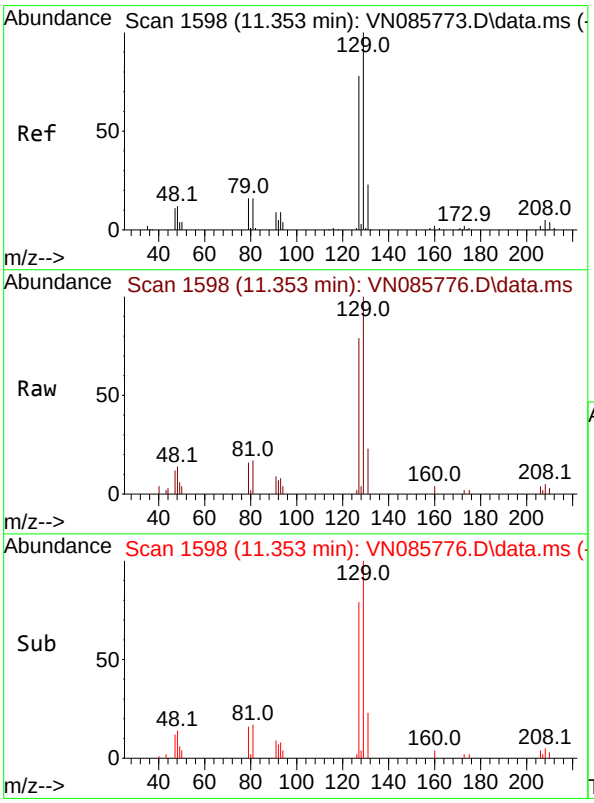
#59
2-Hexanone
Concen: 22.424 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 53498

Ion	Ratio	Lower	Upper
43	100		
58	55.1	29.8	89.5

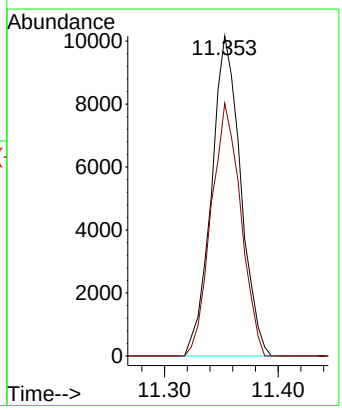


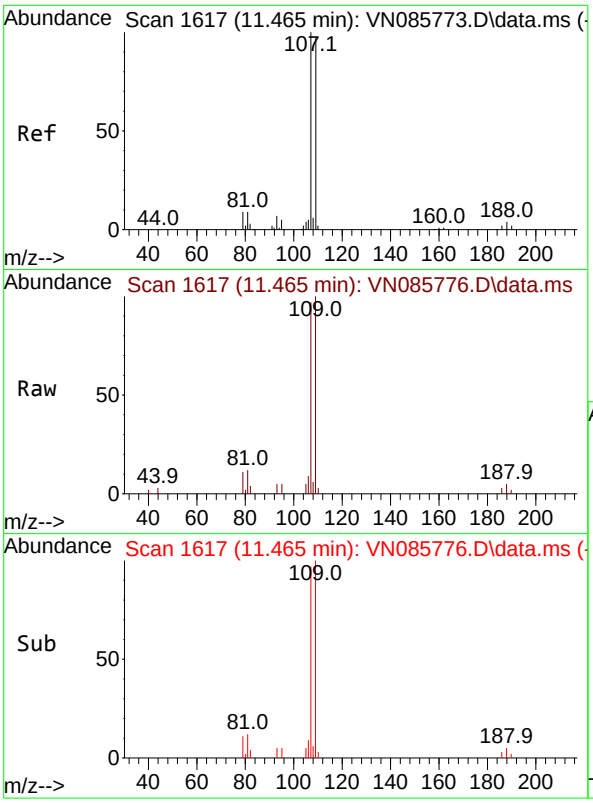


#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:129 Resp: 18137

Ion	Ratio	Lower	Upper
129	100		
127	79.9	39.1	117.5



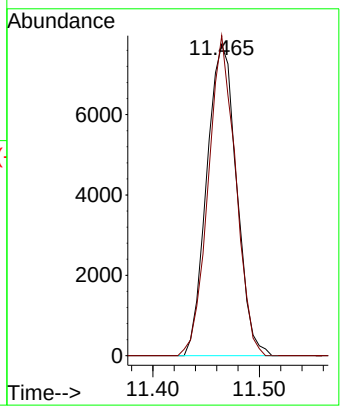


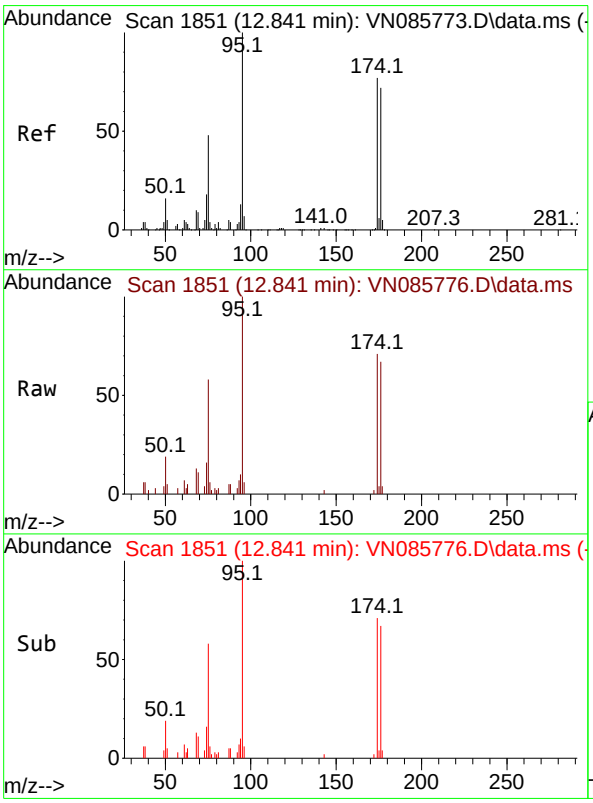
#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 15097

Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.0	114.0

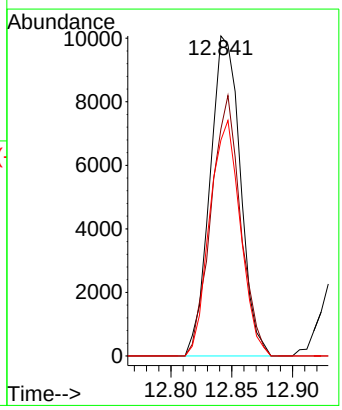


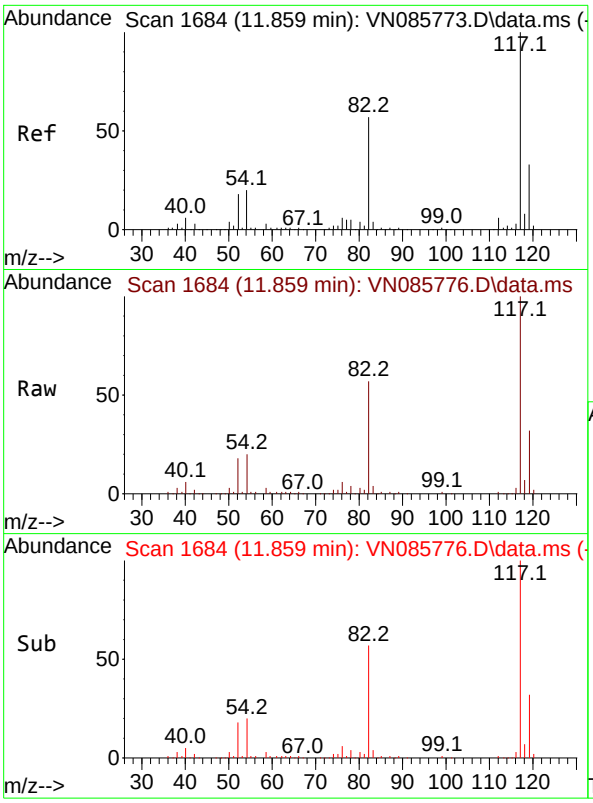


#62
4-Bromofluorobenzene
Concen: 4.723 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 95 Resp: 17484

Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	152.4
176	74.1	0.0	146.6



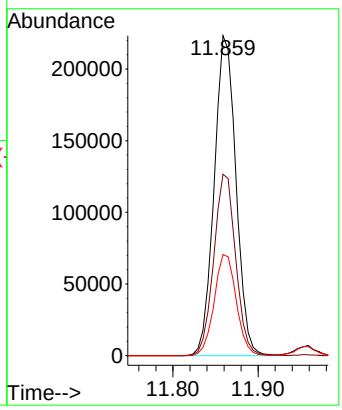


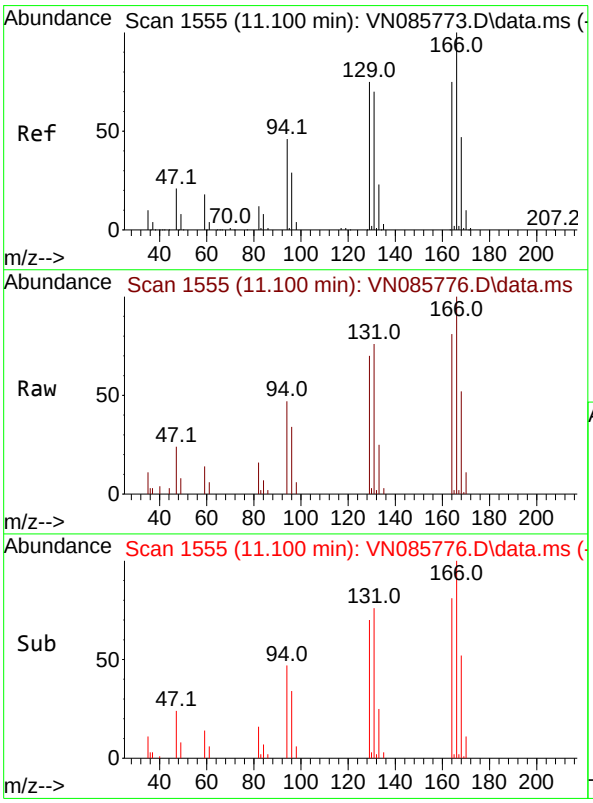
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 396883

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.7	68.5
119	31.6	26.2	39.2

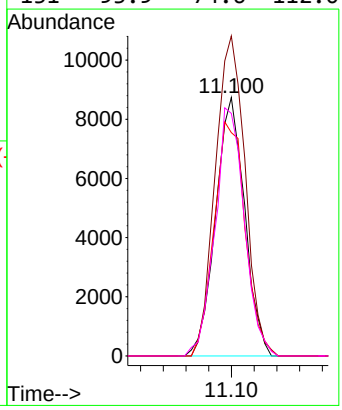


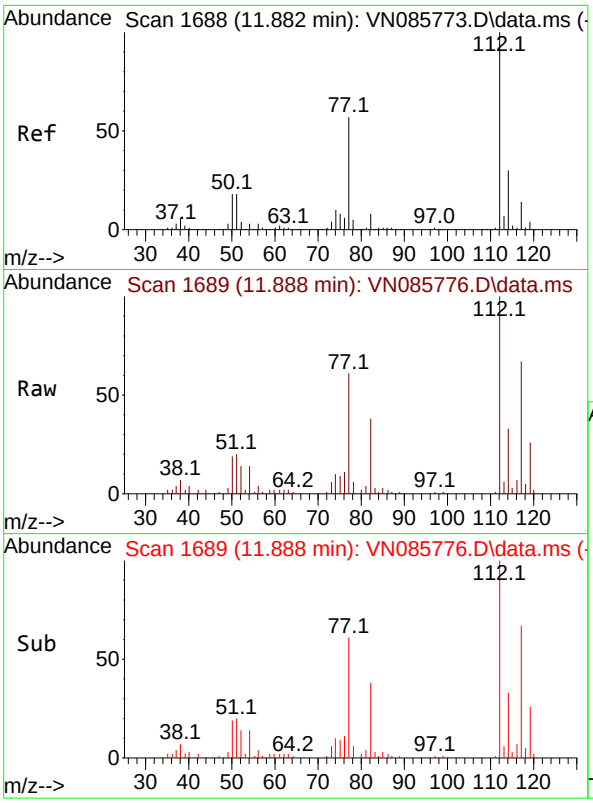


#64
Tetrachloroethene
Concen: 5.043 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:164 Resp: 15504

Ion	Ratio	Lower	Upper
164	100		
166	123.9	107.2	160.8
129	86.5	80.7	121.1
131	93.9	74.6	112.0



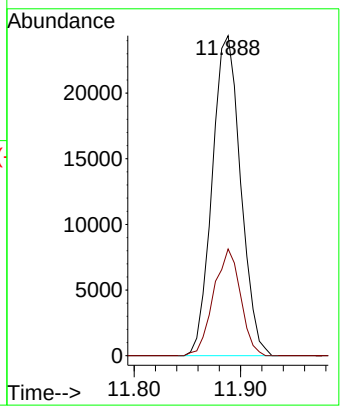


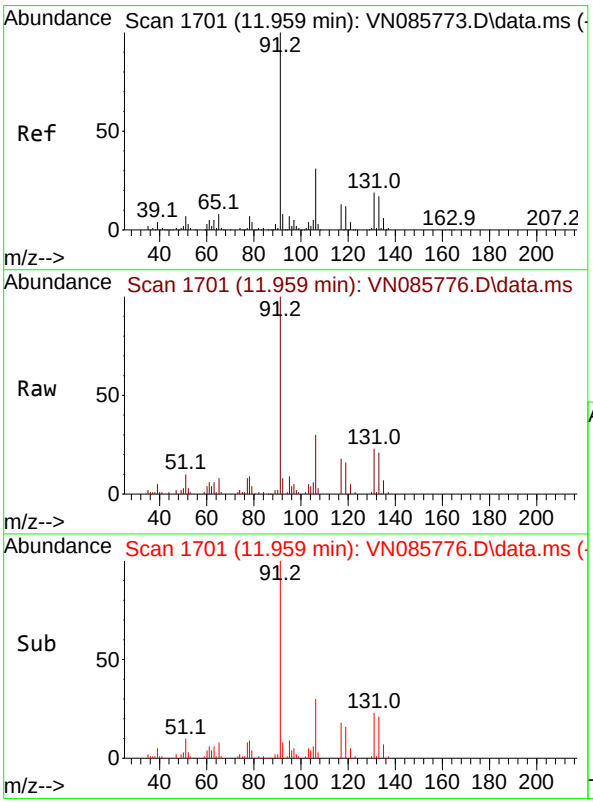
#65
Chlorobenzene
Concen: 4.973 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 45215

Ion	Ratio	Lower	Upper
112	100		
114	33.4	24.3	36.5

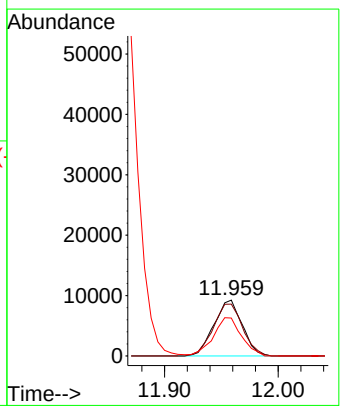


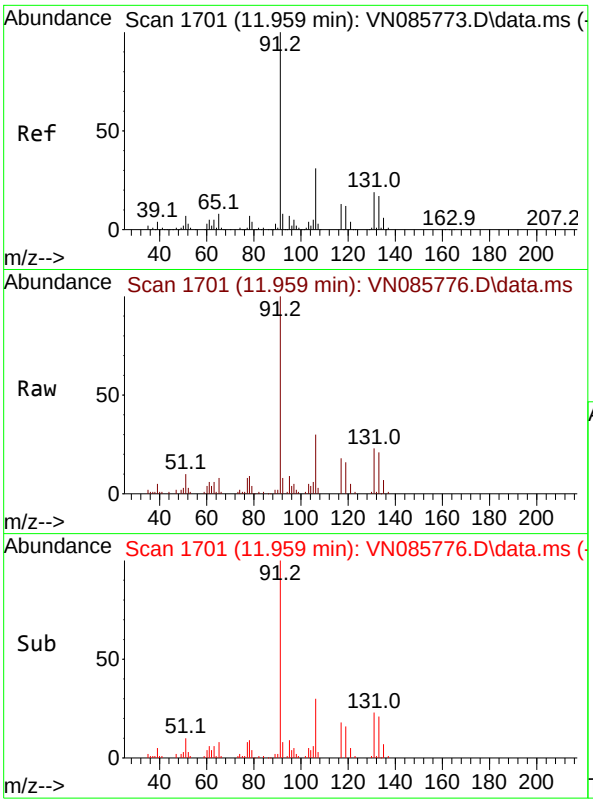


#66
1,1,1,2-Tetrachloroethane
Concen: 4.880 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:131 Resp: 15949

Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.7	143.1
119	68.5	33.3	99.8



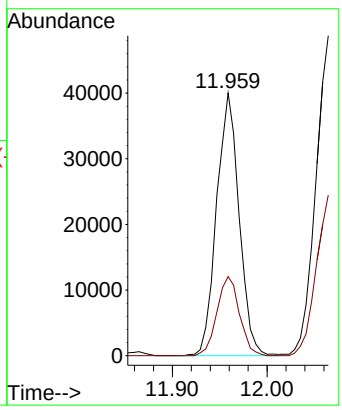


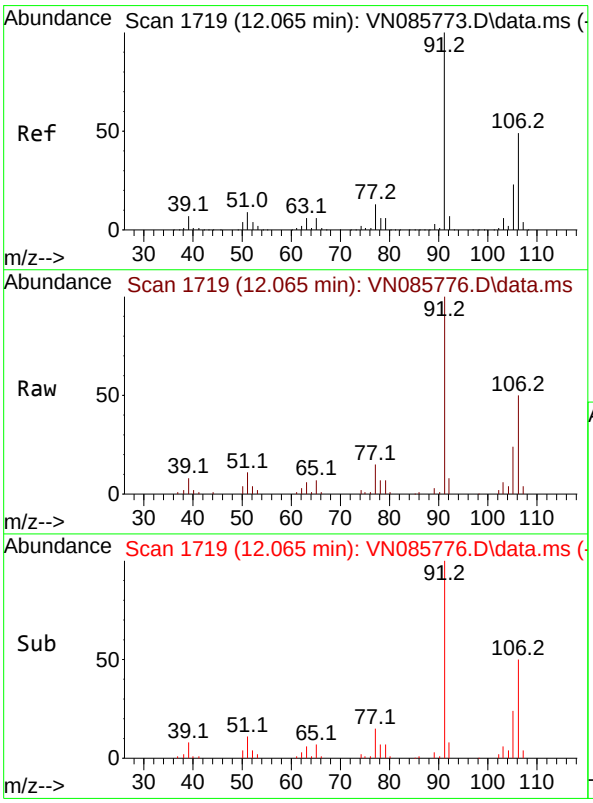
#67
Ethyl Benzene
Concen: 4.640 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 66079

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.7	37.1

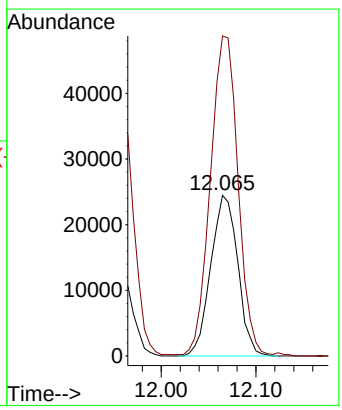


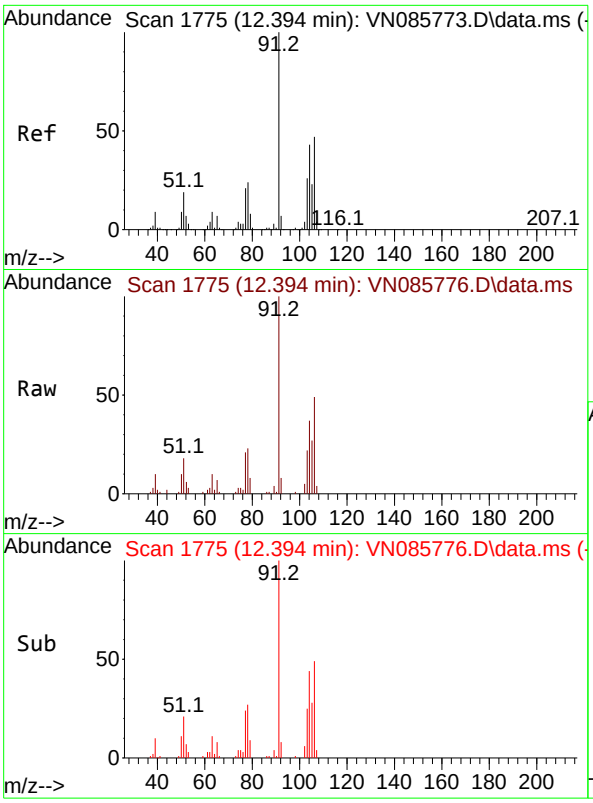


#68
m/p-Xylenes
Concen: 8.949 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:106 Resp: 48412

Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.3	244.9



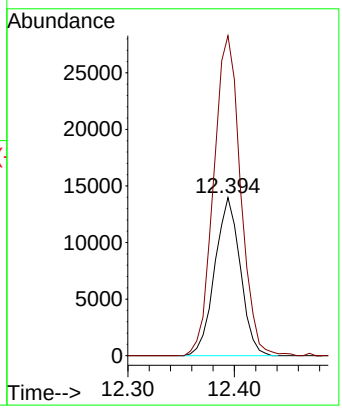


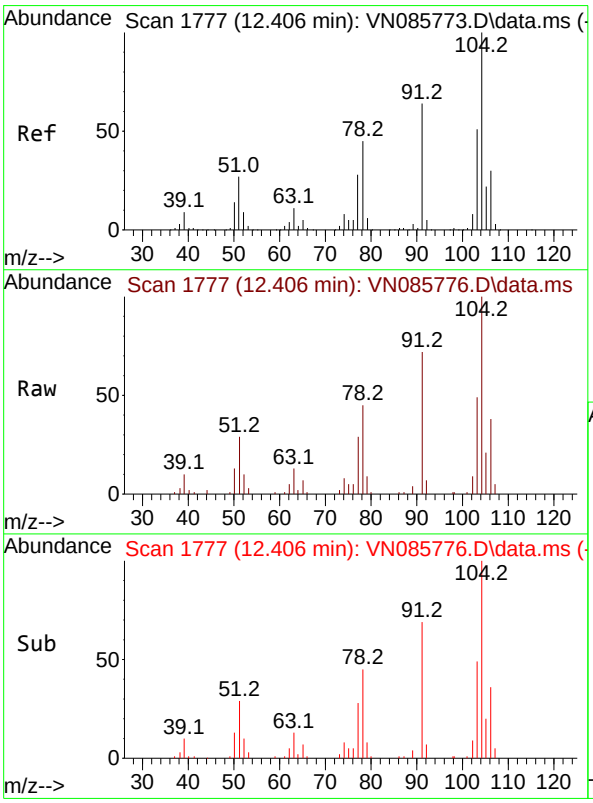
#69
o-Xylene
Concen: 4.512 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 23196

Ion	Ratio	Lower	Upper
106	100		
91	213.9	107.1	321.4

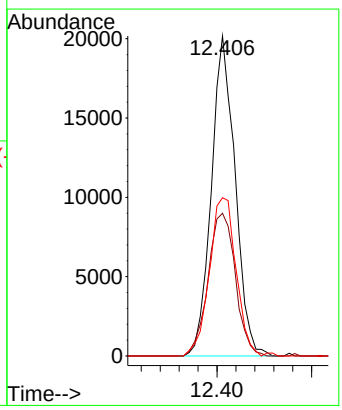


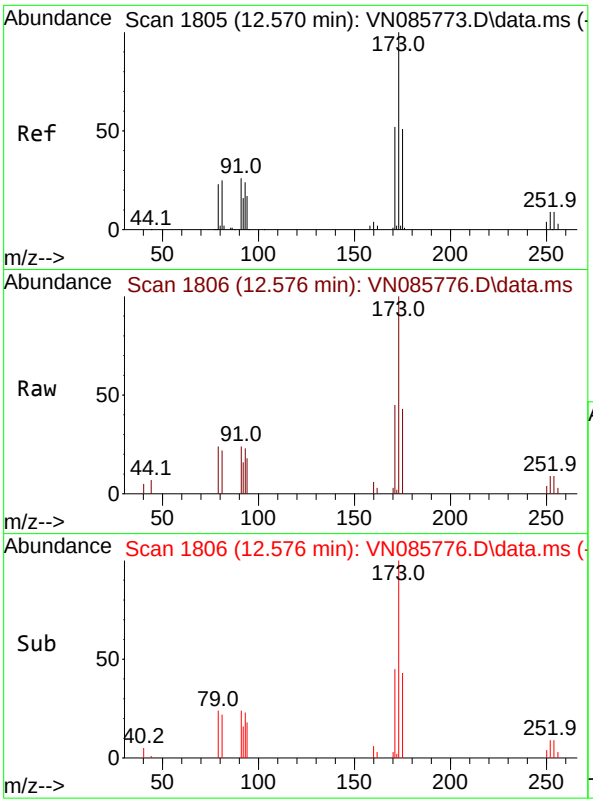


#70
Styrene
Concen: 4.557 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:104 Resp: 35138

Ion	Ratio	Lower	Upper
104	100		
78	51.3	39.0	58.6
103	55.4	43.3	64.9



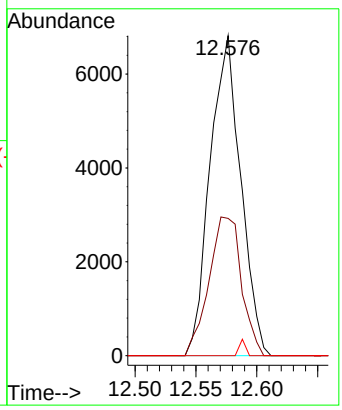


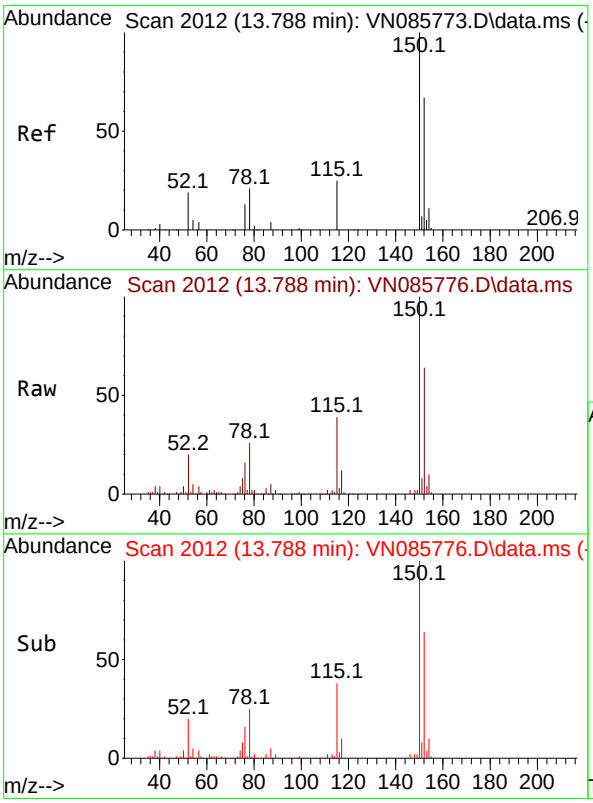
#71
Bromoform
Concen: 4.915 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 11934

Ion	Ratio	Lower	Upper
173	100		
175	46.0	25.1	75.4
254	1.0	0.0	0.0#

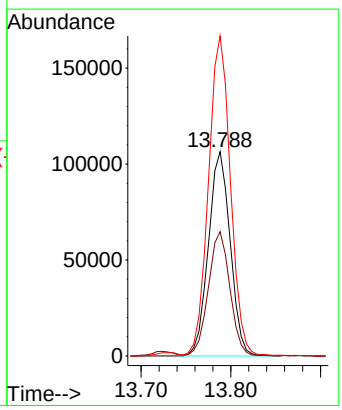


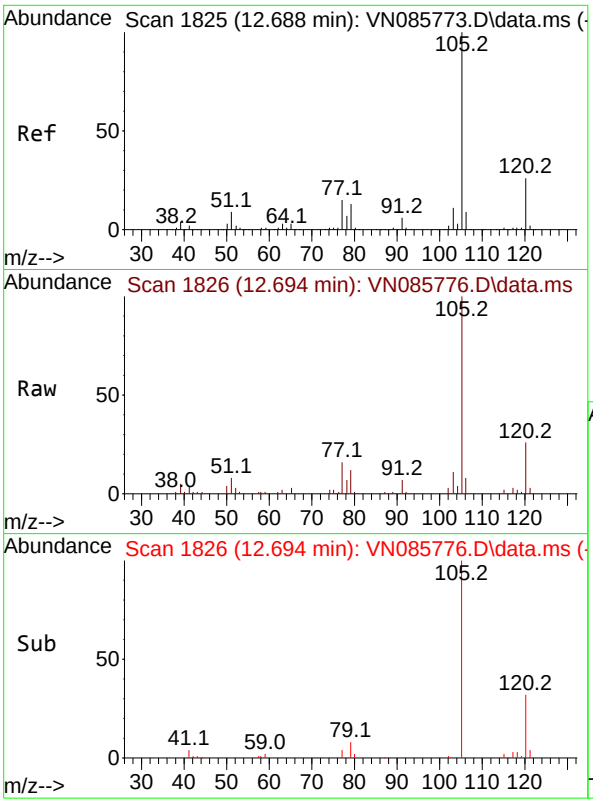


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:152 Resp: 179241

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.4	91.3
150	158.2	0.0	345.4



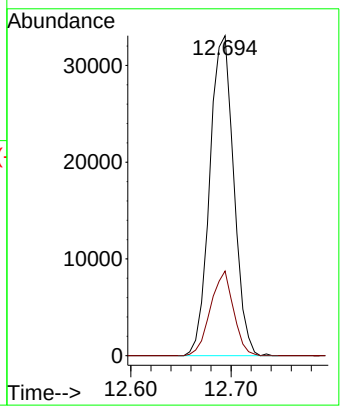


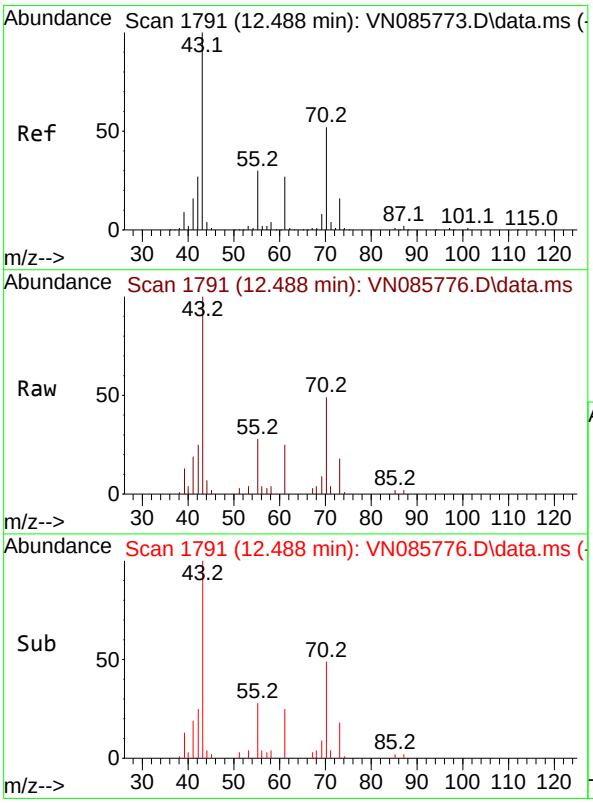
#73
Isopropylbenzene
Concen: 4.477 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 54982

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

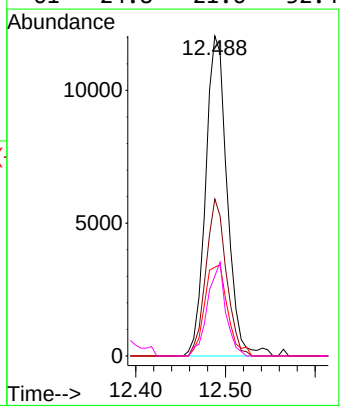


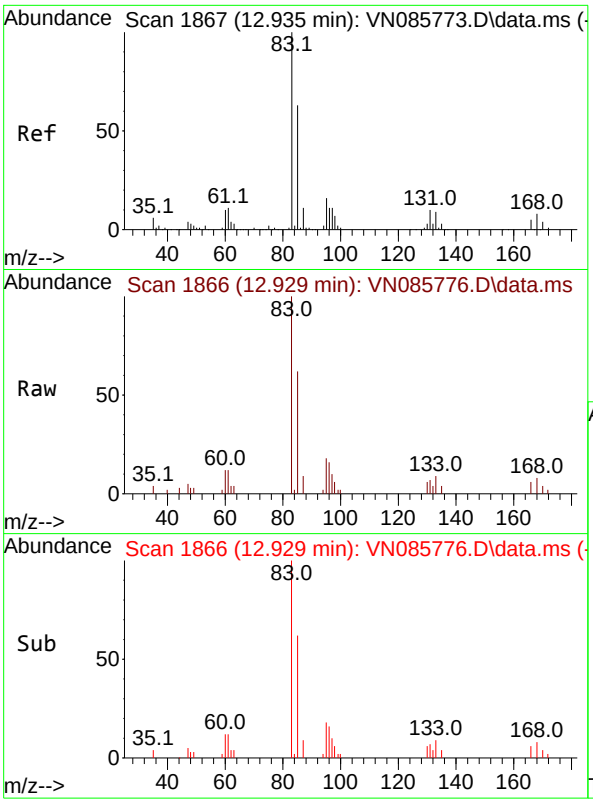


#74
N-amyl acetate
Concen: 4.623 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 43 Resp: 20017

Ion	Ratio	Lower	Upper
43	100		
70	46.5	41.0	61.4
55	30.4	24.6	36.8
61	24.8	21.6	32.4



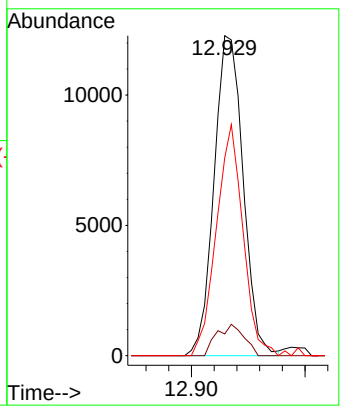


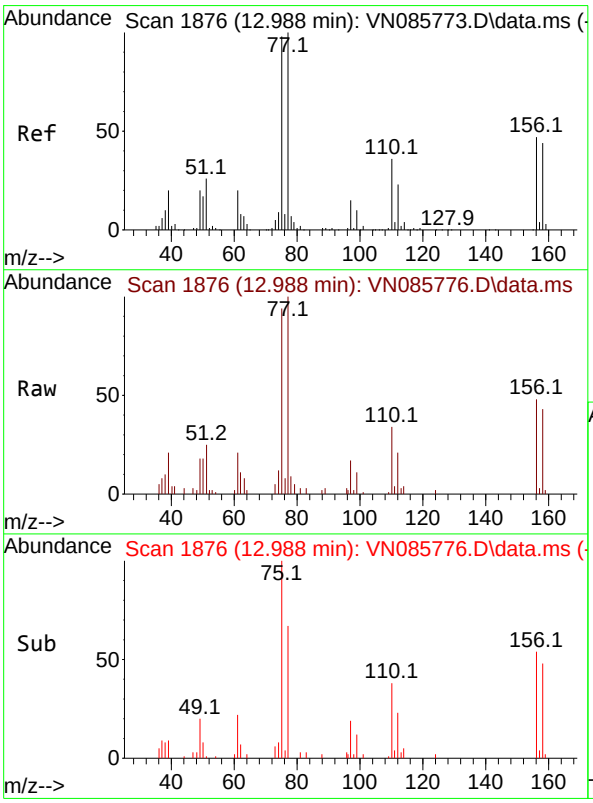
#75
1,1,2,2-Tetrachloroethane
Concen: 5.164 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21823

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.0	15.0
85	66.1	32.2	96.6

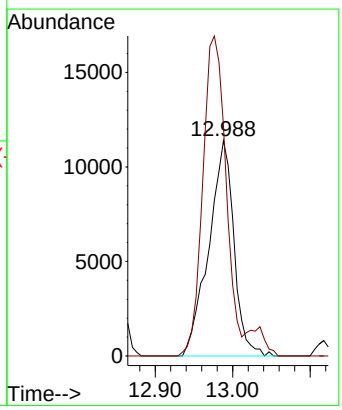


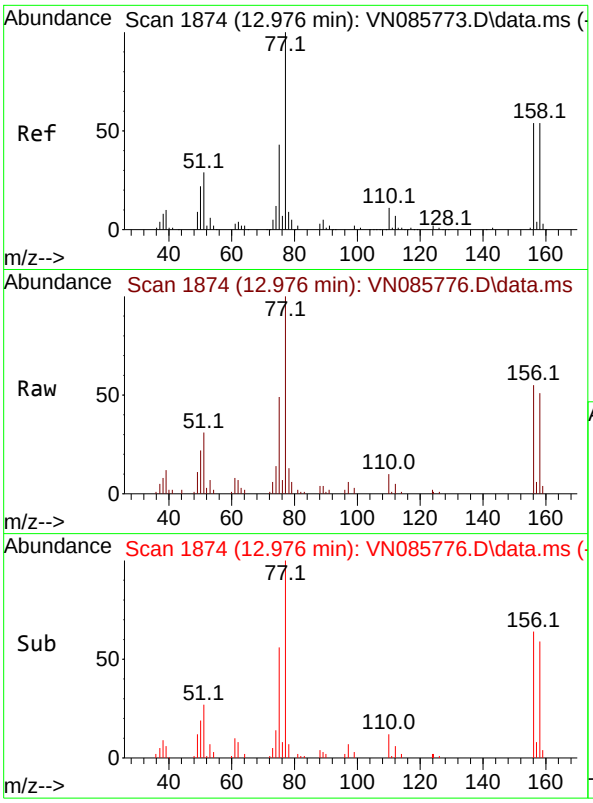


#76
1,2,3-Trichloropropane
Concen: 6.538 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 25746

Ion	Ratio	Lower	Upper
75	100		
77	137.4	100.0	300.0



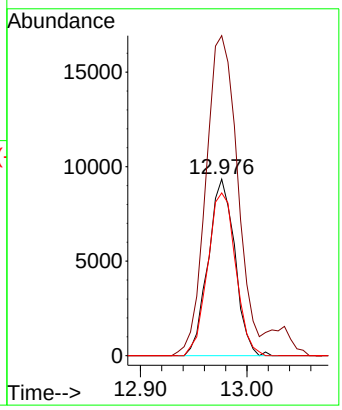


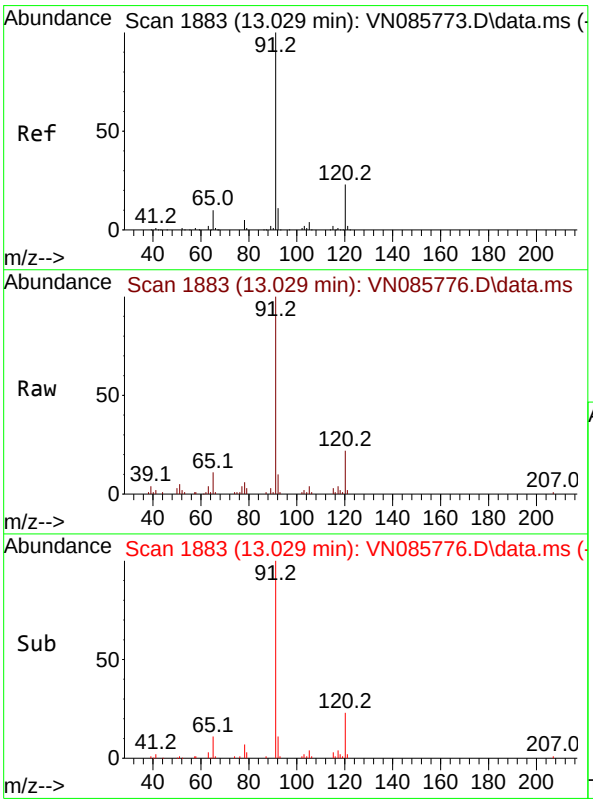
#77
Bromobenzene
Concen: 4.888 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 16215

Ion	Ratio	Lower	Upper
156	100		
77	218.2	104.1	312.3
158	96.9	48.1	144.4

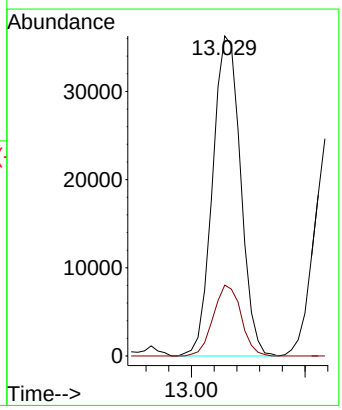


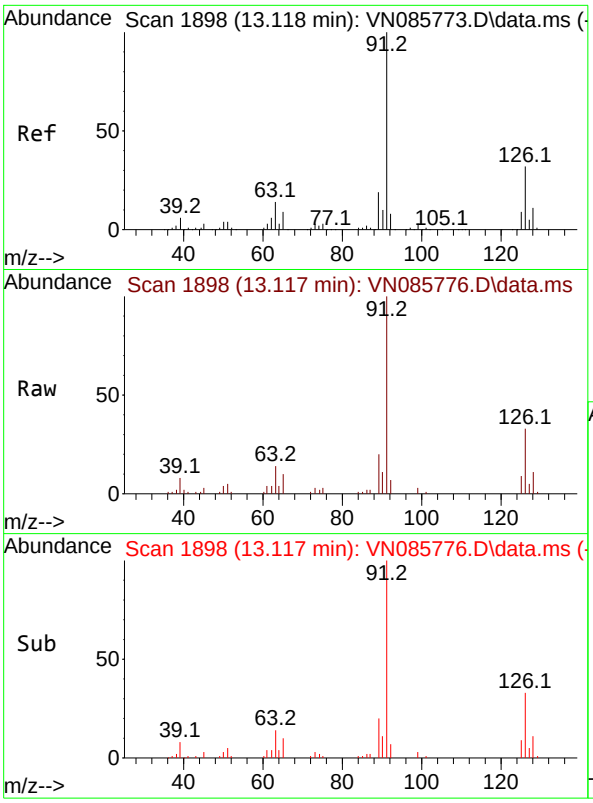


#78
n-propylbenzene
Concen: 4.414 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 91 Resp: 62073

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.8



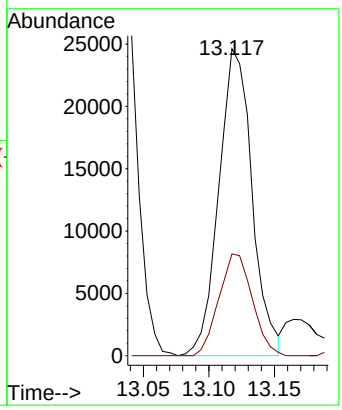


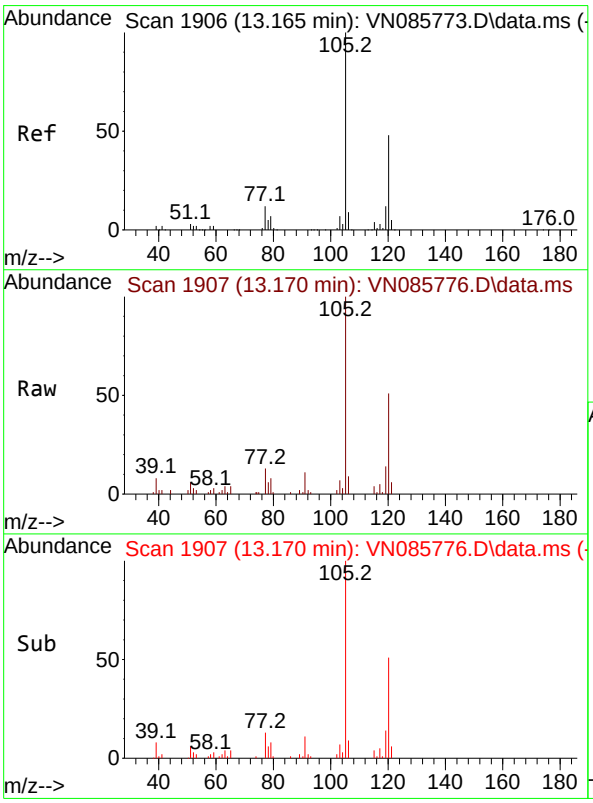
#79
2-Chlorotoluene
Concen: 4.625 ug/l
RT: 13.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 43457

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.1

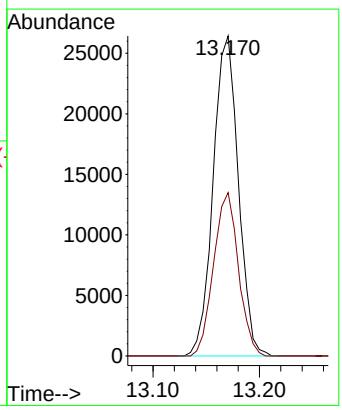


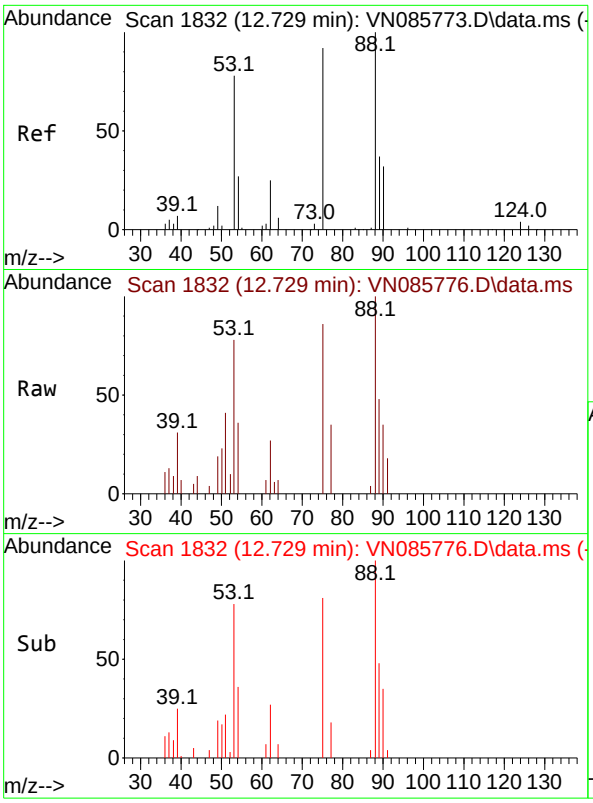


#80
1,3,5-Trimethylbenzene
Concen: 4.333 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:105 Resp: 43342

Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.3	72.9



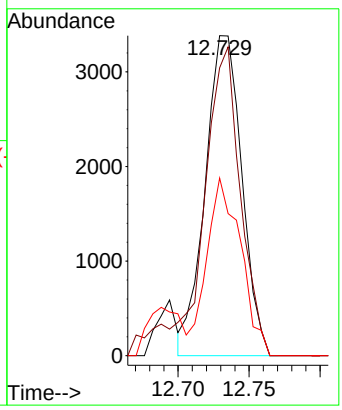


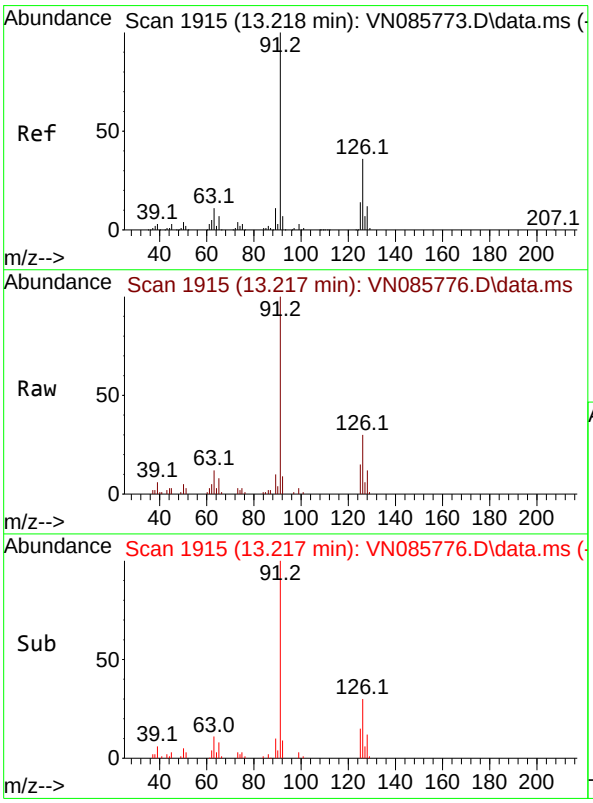
#81
trans-1,4-Dichloro-2-butene
Concen: 4.448 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 6070

Ion	Ratio	Lower	Upper
75	100		
53	100.7	74.2	111.4
89	51.5	34.9	52.3

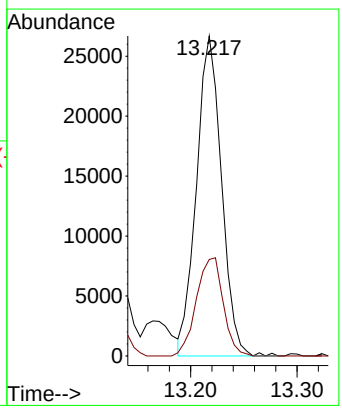


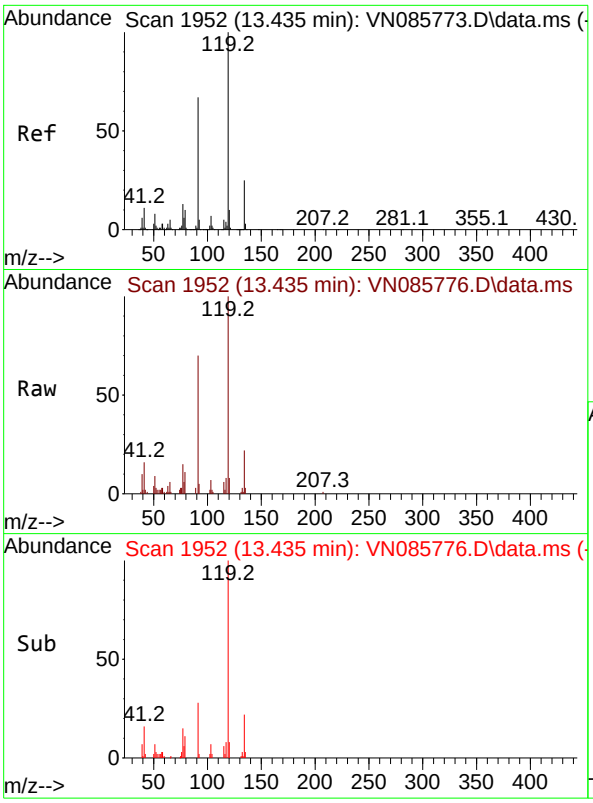


#82
4-Chlorotoluene
Concen: 4.690 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 91 Resp: 43684

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



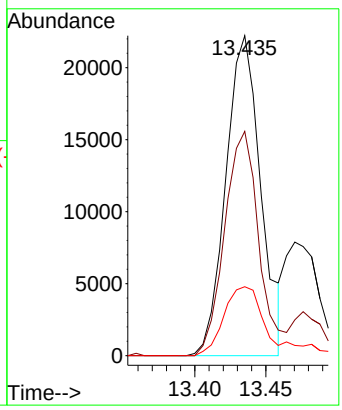


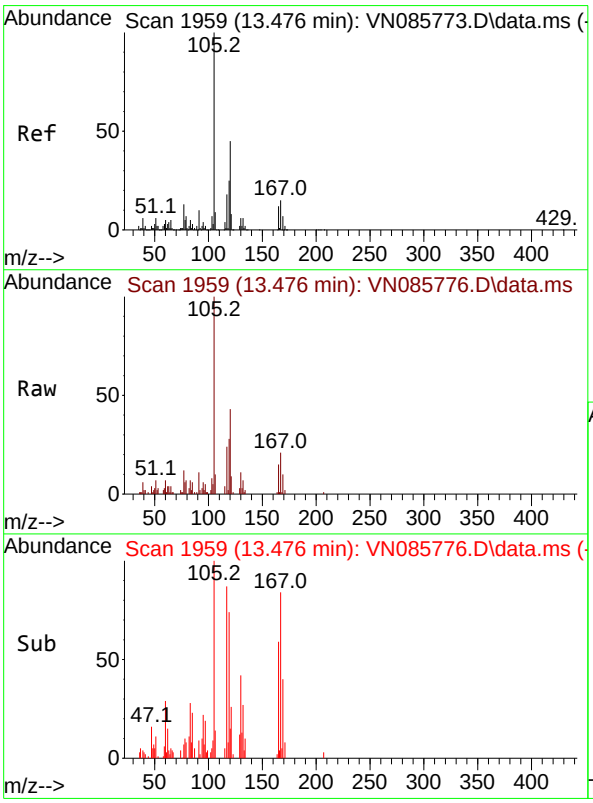
#83
tert-Butylbenzene
Concen: 4.515 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 37975

Ion	Ratio	Lower	Upper
119	100		
91	69.1	32.5	97.5
134	26.9	13.3	39.9

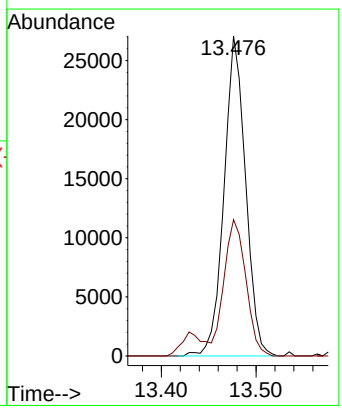


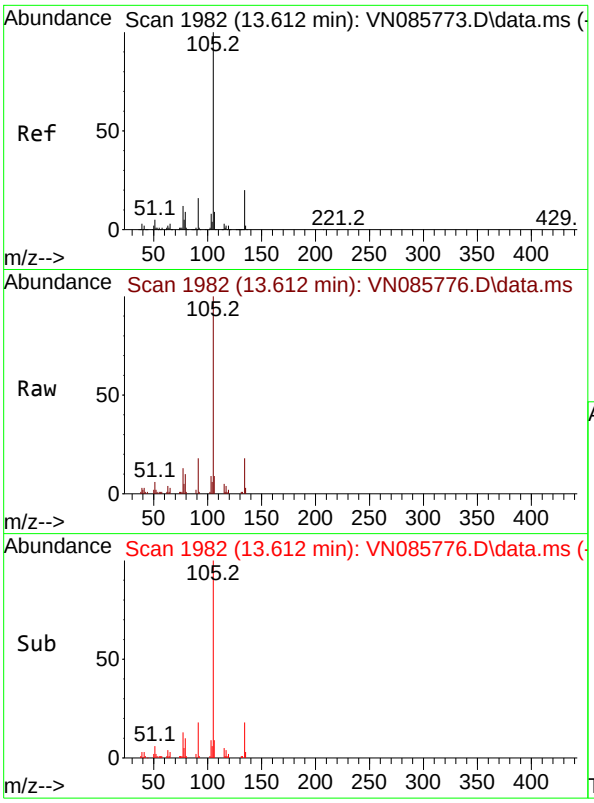


#84
1,2,4-Trimethylbenzene
Concen: 4.324 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:105 Resp: 42792

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.4	67.3



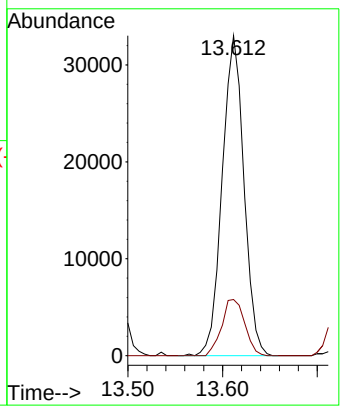


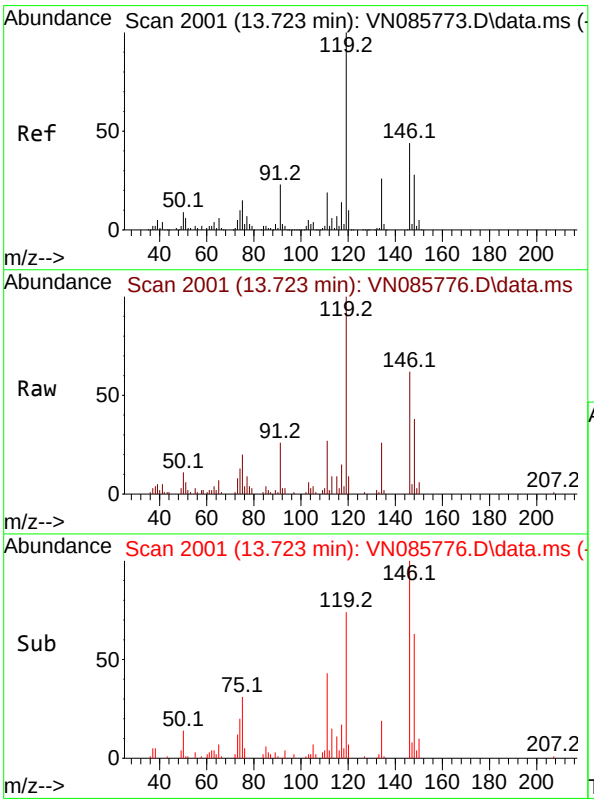
#85
sec-Butylbenzene
Concen: 4.431 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 52659

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4

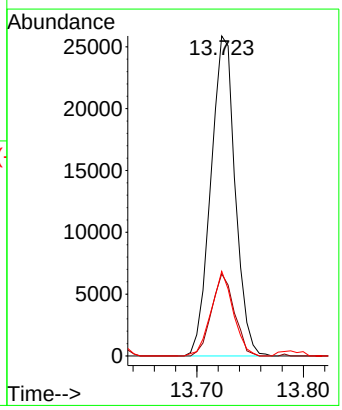


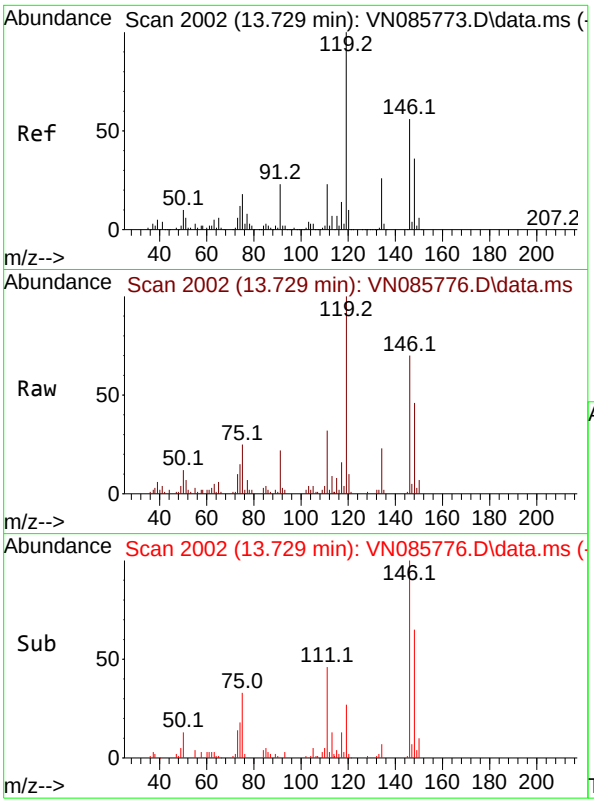


#86
p-Isopropyltoluene
Concen: 4.632 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:119 Resp: 41010

Ion	Ratio	Lower	Upper
119	100		
134	24.0	13.0	39.0
91	24.0	11.7	35.1



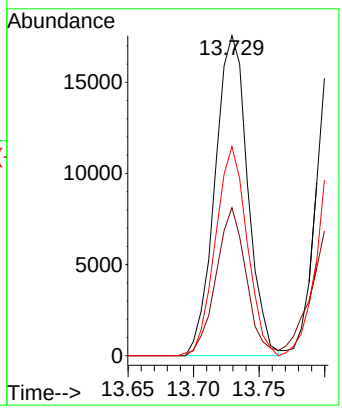


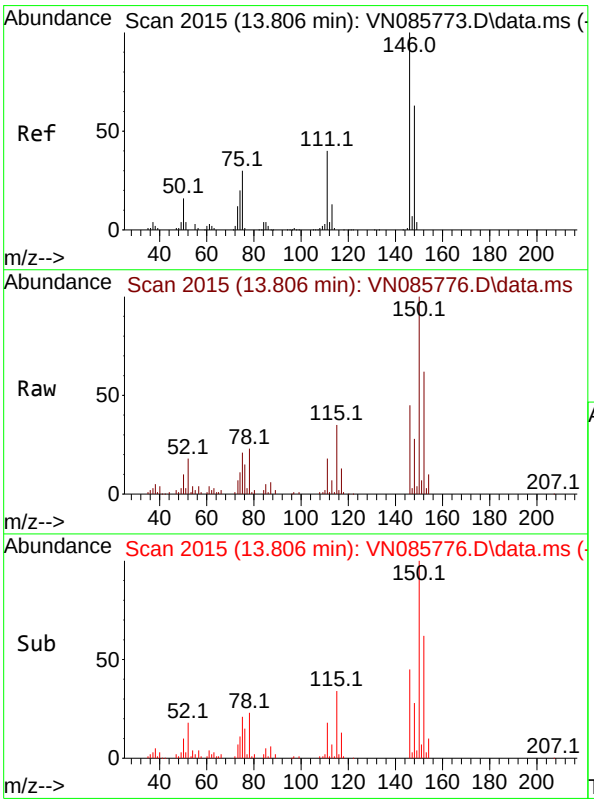
#87
1,3-Dichlorobenzene
Concen: 4.894 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 30417

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	63.2	32.1	96.5

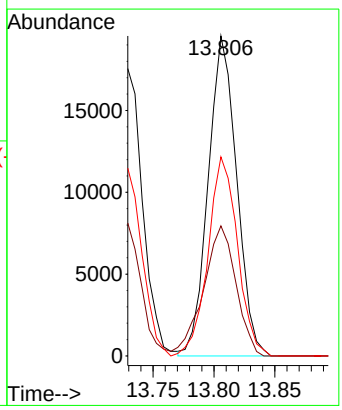


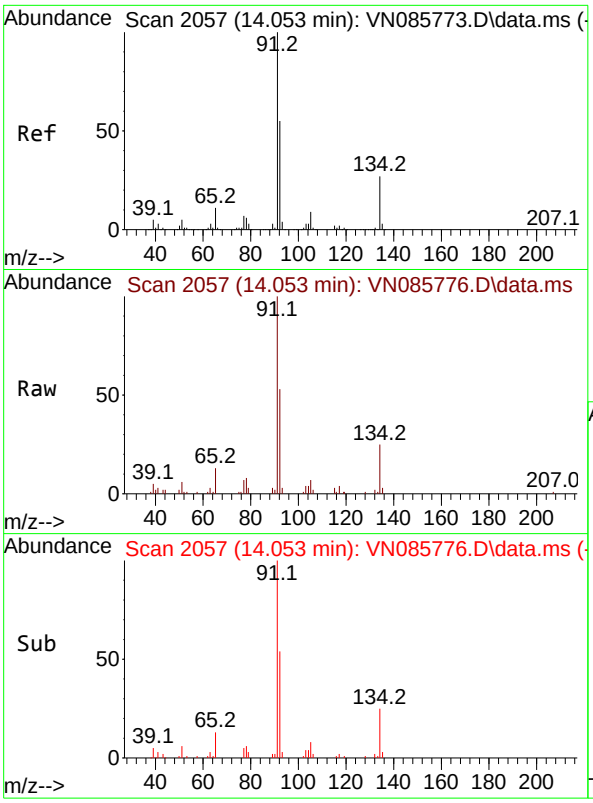


#88
1,4-Dichlorobenzene
Concen: 4.999 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:146 Resp: 31847

Ion	Ratio	Lower	Upper
146	100		
111	46.4	20.4	61.3
148	64.5	31.8	95.4



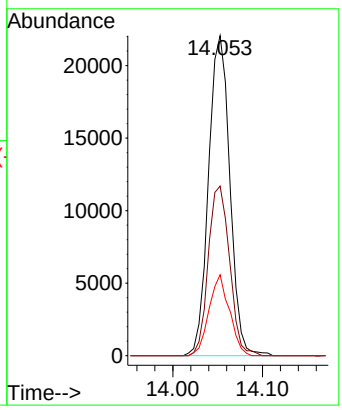


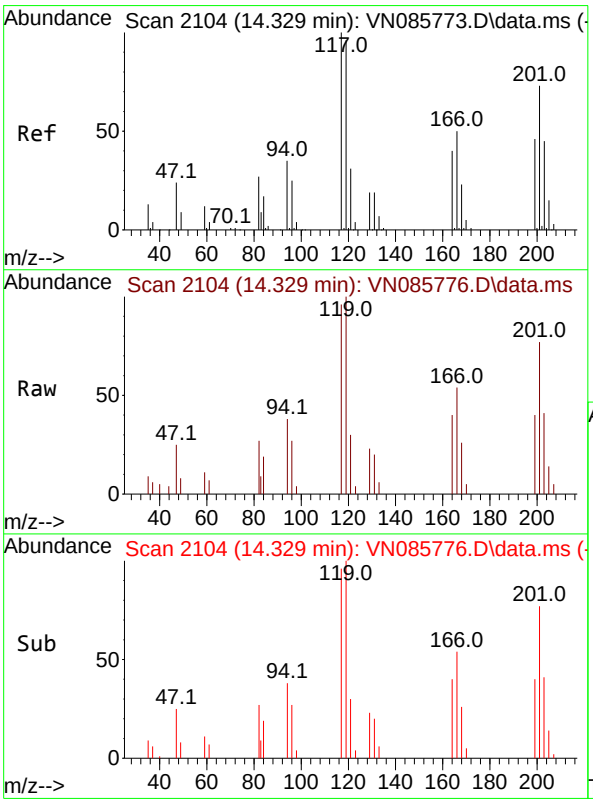
#89
n-Butylbenzene
Concen: 4.317 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 36427

Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.3
134	24.3	12.7	38.1

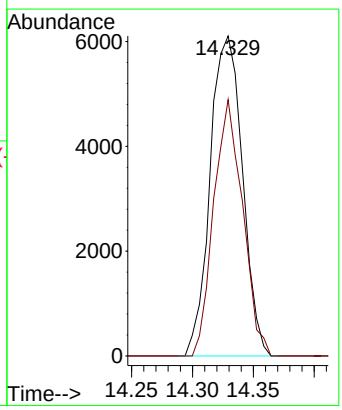


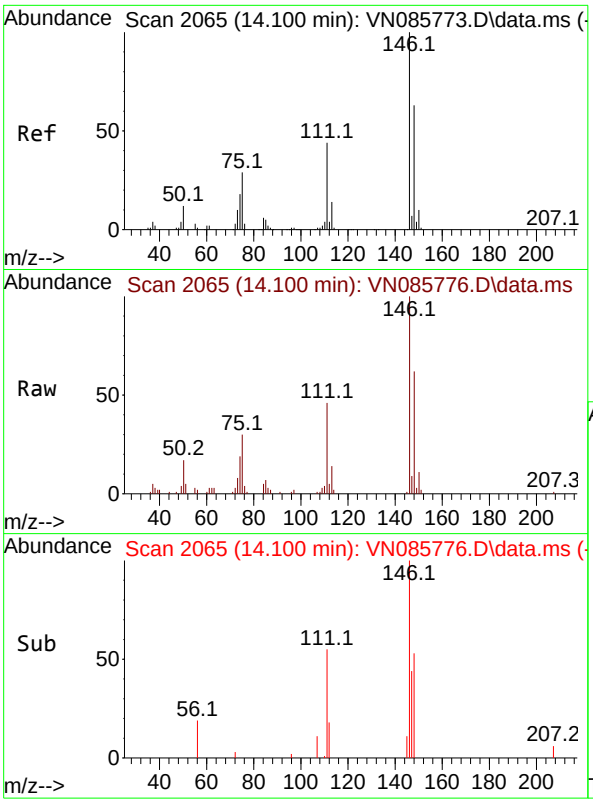


#90
Hexachloroethane
Concen: 5.010 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:117 Resp: 11276

Ion	Ratio	Lower	Upper
117	100		
201	71.8	35.6	106.9



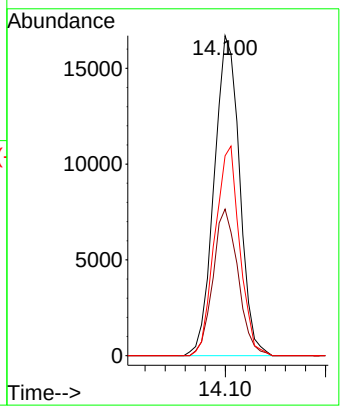


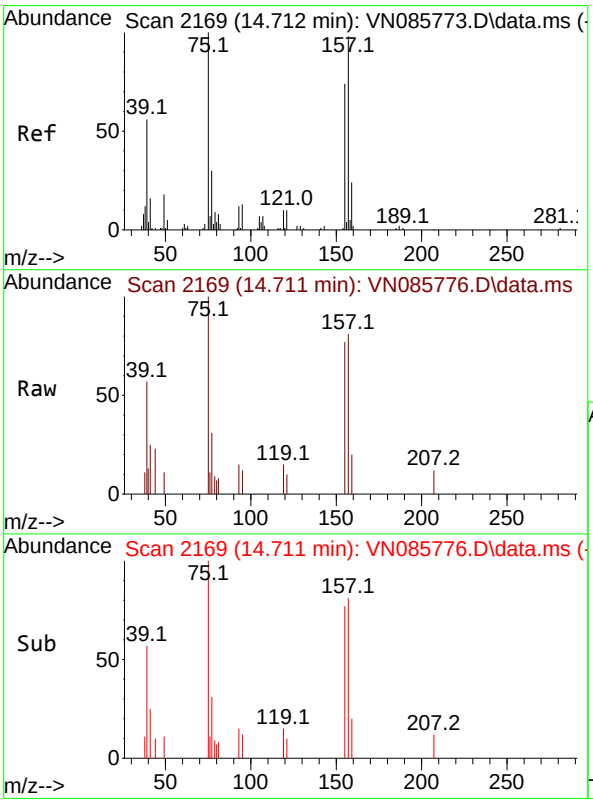
#91
1,2-Dichlorobenzene
Concen: 4.923 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 29424

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.4	64.3
148	63.8	32.0	96.2

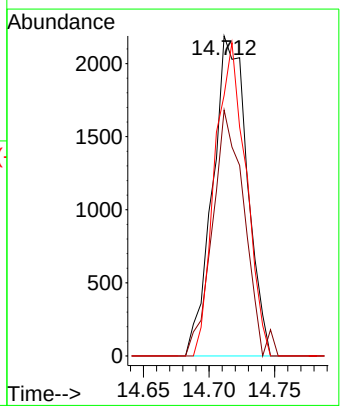


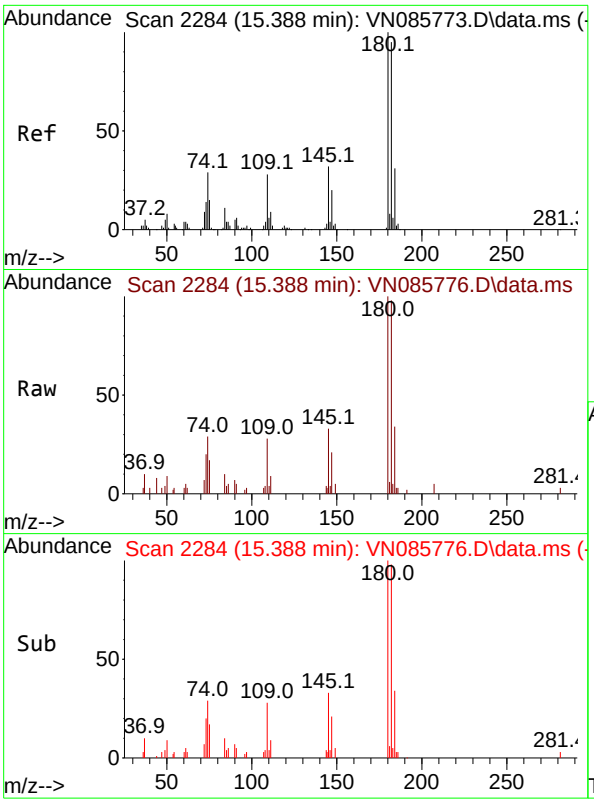


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.138 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion: 75 Resp: 3987

Ion	Ratio	Lower	Upper
75	100		
155	70.9	39.9	119.6
157	88.2	49.9	149.7



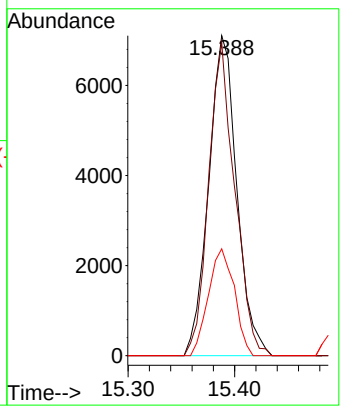


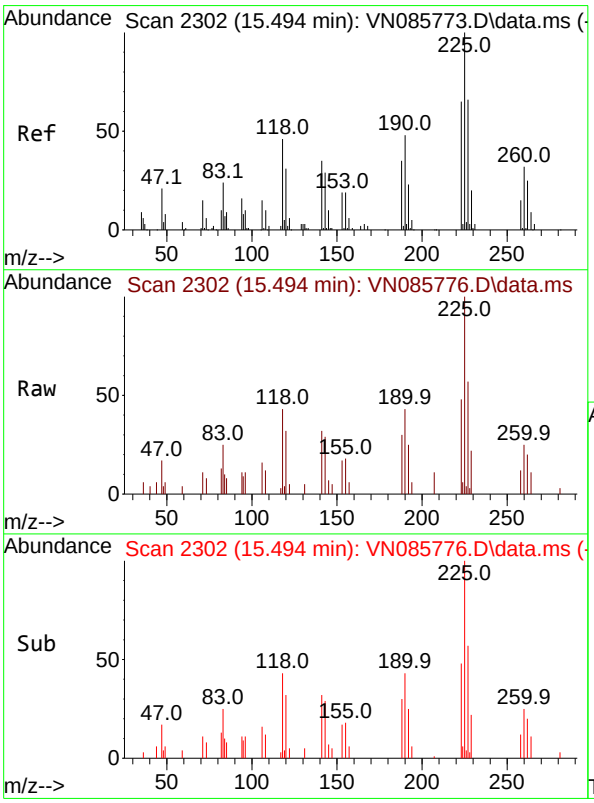
#93
1,2,4-Trichlorobenzene
Concen: 4.578 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 13040

Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.3	141.9
145	30.8	16.2	48.5

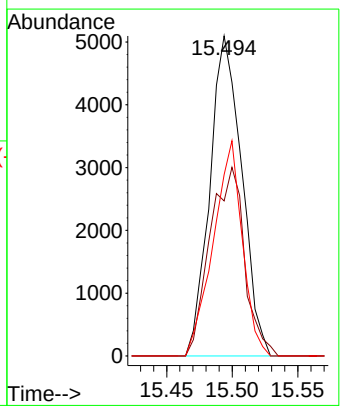


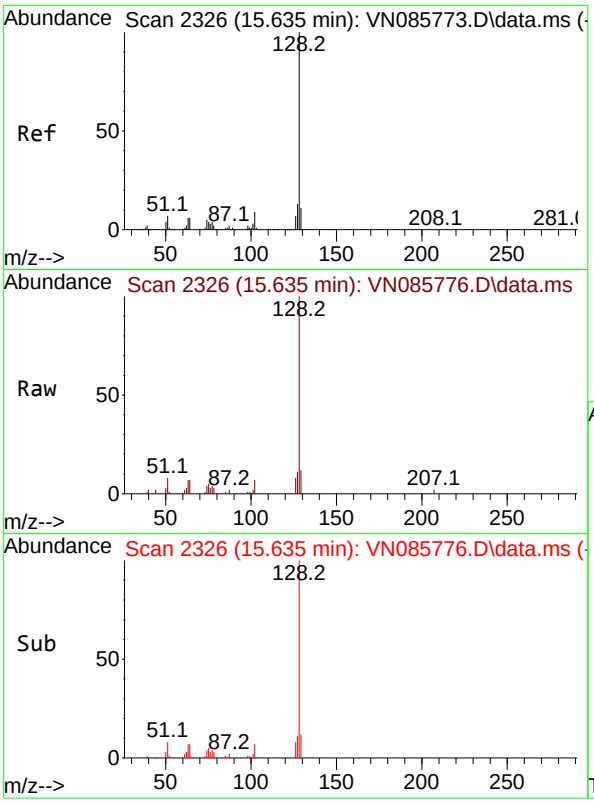


#94
Hexachlorobutadiene
Concen: 4.982 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:225 Resp: 8623

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.5
227	61.2	32.2	96.6



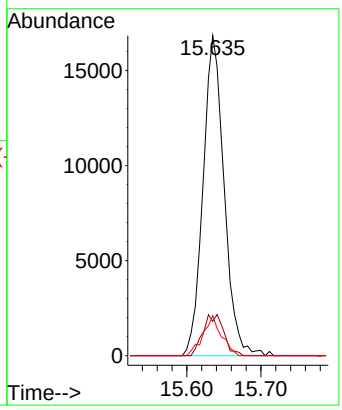


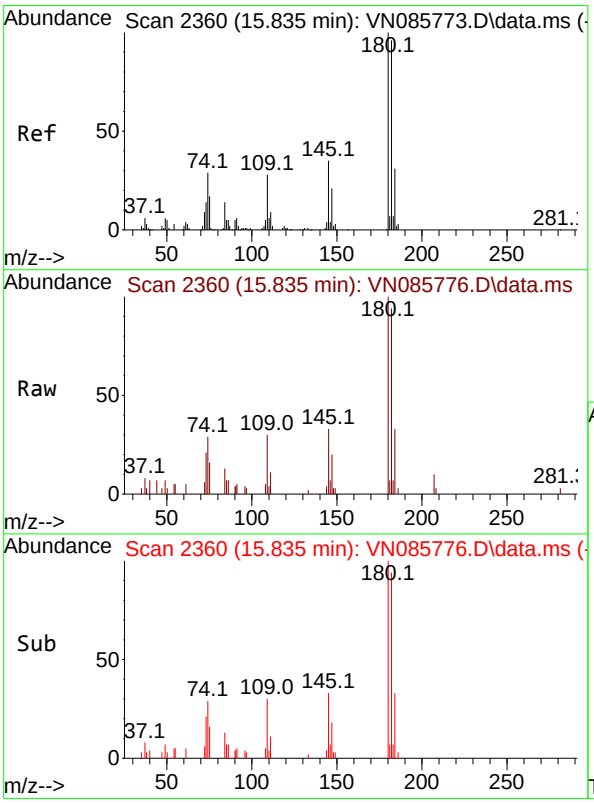
#95
Naphthalene
Concen: 4.259 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 33300

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1

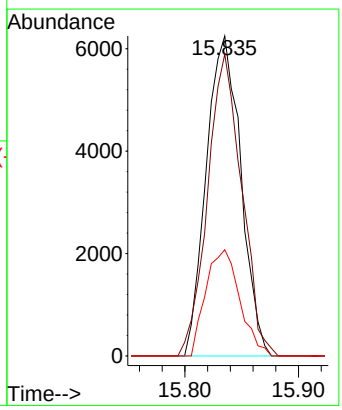




#96
1,2,3-Trichlorobenzene
Concen: 4.612 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085776.D
Acq: 18 Feb 2025 12:43

Tgt Ion:180 Resp: 13188

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.8
145	32.8	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	274051	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	476457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.859	117	394997	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152224	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.565	65	3857	1.086	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.180%#			
35) Dibromofluoromethane	8.159	113	3213	1.031	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.060%#			
50) Toluene-d8	10.559	98	8958	0.790	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.580%#			
62) 4-Bromofluorobenzene	12.847	95	2740	0.733	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	1.460%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	3620	0.971	ug/l		84
3) Chloromethane	2.359	50	4478	1.197	ug/l	#	83
4) Vinyl Chloride	2.518	62	4169	1.053	ug/l	#	80
5) Bromomethane	2.971	94	3510	1.386	ug/l		90
6) Chloroethane	3.124	64	3201	1.220	ug/l		100
7) Trichlorofluoromethane	3.500	101	6048	1.055	ug/l	#	71
8) Diethyl Ether	3.965	74	885	0.477	ug/l	#	9
9) 1,1,2-Trichlorotrifluo...	4.371	101	3034	0.915	ug/l		90
10) Methyl Iodide	4.583	142	4275	1.046	ug/l	#	77
11) Tert butyl alcohol	5.512	59	2136	4.888	ug/l	#	72
12) 1,1-Dichloroethene	4.341	96	2817	0.937	ug/l	#	75
13) Acrolein	4.165	56	3245	5.007	ug/l		98
14) Allyl chloride	5.024	41	3941	0.999	ug/l		89
15) Acrylonitrile	5.718	53	6980	4.913	ug/l		98
16) Acetone	4.436	43	6230	5.542	ug/l	#	73
17) Carbon Disulfide	4.712	76	10131	1.137	ug/l		98
18) Methyl Acetate	5.030	43	4677	1.210	ug/l	#	52
19) Methyl tert-butyl Ether	5.794	73	7883	0.883	ug/l		97
20) Methylene Chloride	5.277	84	4036	1.116	ug/l	#	84
21) trans-1,2-Dichloroethene	5.788	96	3415	1.055	ug/l		91
22) Diisopropyl ether	6.659	45	7268	0.815	ug/l	#	80
23) Vinyl Acetate	6.600	43	28674	4.711	ug/l		95
24) 1,1-Dichloroethane	6.571	63	5881	0.970	ug/l	#	82
25) 2-Butanone	7.482	43	7658	4.630	ug/l		92
26) 2,2-Dichloropropane	7.477	77	3187	0.591	ug/l		90
27) cis-1,2-Dichloroethene	7.488	96	3541	0.944	ug/l		92
28) Bromochloromethane	7.812	49	2649	1.063	ug/l	#	98
29) Tetrahydrofuran	7.841	42	4567	4.276	ug/l		93
30) Chloroform	7.959	83	6416	1.013	ug/l		98
31) Cyclohexane	8.218	56	9239	1.821	ug/l	#	1
32) 1,1,1-Trichloroethane	8.159	97	5643	1.002	ug/l	#	47
36) 1,1-Dichloropropene	8.365	75	4055	0.919	ug/l		93
37) Ethyl Acetate	7.553	43	3365	0.927	ug/l	#	84
38) Carbon Tetrachloride	8.353	117	5079	0.969	ug/l	#	94
39) Methylcyclohexane	9.594	83	3557	0.821	ug/l	#	89
40) Benzene	8.606	78	13536	0.957	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	1573	0.810	ug/l	#	85
42) 1,2-Dichloroethane	8.671	62	4497	0.976	ug/l		88
43) Isopropyl Acetate	8.677	43	12901	1.494	ug/l	#	73
44) Trichloroethene	9.347	130	3768	1.085	ug/l		98
45) 1,2-Dichloropropane	9.618	63	3235	0.948	ug/l		91
46) Dibromomethane	9.706	93	2304	0.957	ug/l		96
47) Bromodichloromethane	9.882	83	4879	0.947	ug/l	#	92
48) Methyl methacrylate	9.676	41	2247	0.833	ug/l		92
49) 1,4-Dioxane	9.694	88	992	19.344	ug/l	#	76
51) 4-Methyl-2-Pentanone	10.441	43	13832	3.951	ug/l		94
52) Toluene	10.629	92	6568	0.792	ug/l		98
53) t-1,3-Dichloropropene	10.829	75	3884	0.815	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	4211	0.806	ug/l	#	87
55) 1,1,2-Trichloroethane	11.012	97	3084	0.936	ug/l	#	88
56) Ethyl methacrylate	10.859	69	2517	1.052	ug/l	#	75
57) 1,3-Dichloropropane	11.153	76	5078	0.923	ug/l		93
58) 2-Chloroethyl Vinyl ether	10.153	63	6353	3.424	ug/l		99
59) 2-Hexanone	11.194	43	8780	3.646	ug/l		91
60) Dibromochloromethane	11.353	129	3380	0.881	ug/l		91
61) 1,2-Dibromoethane	11.465	107	2599	0.835	ug/l		89
64) Tetrachloroethene	11.094	164	3108	1.016	ug/l		87
65) Chlorobenzene	11.882	112	8761	0.968	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.959	131	3222	0.991	ug/l	#	66
67) Ethyl Benzene	11.959	91	11246	0.793	ug/l		100
68) m/p-Xylenes	12.065	106	7606	1.413	ug/l		91
69) o-Xylene	12.394	106	3965	0.775	ug/l		95
70) Styrene	12.406	104	5877	1.257	ug/l		99
71) Bromoform	12.570	173	2161	0.894	ug/l	#	87
73) Isopropylbenzene	12.694	105	8928	0.856	ug/l		95
74) N-amyl acetate	12.488	43	3263	0.887	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3870	1.078	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	4532	1.355	ug/l		66
77) Bromobenzene	12.976	156	2624	0.931	ug/l		76
78) n-propylbenzene	13.029	91	9228	0.773	ug/l		99
79) 2-Chlorotoluene	13.123	91	7260	0.910	ug/l		95
80) 1,3,5-Trimethylbenzene	13.164	105	6185	0.728	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	933	0.805	ug/l		91
82) 4-Chlorotoluene	13.217	91	6700	0.847	ug/l		99
83) tert-Butylbenzene	13.435	119	5485	0.768	ug/l		93
84) 1,2,4-Trimethylbenzene	13.482	105	5595	0.666	ug/l		96
85) sec-Butylbenzene	13.611	105	7569	0.750	ug/l		99
86) p-Isopropyltoluene	13.723	119	5416	1.252	ug/l		95
87) 1,3-Dichlorobenzene	13.729	146	5321	1.008	ug/l		98
88) 1,4-Dichlorobenzene	13.729	146	5321	0.983	ug/l		99
89) n-Butylbenzene	14.047	91	6398	0.893	ug/l		91
90) Hexachloroethane	14.329	117	2153	1.126	ug/l		91
91) 1,2-Dichlorobenzene	14.100	146	5309	1.046	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.711	75	780	1.184	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	2525	1.044	ug/l		95
94) Hexachlorobutadiene	15.494	225	1976	1.344	ug/l		94
95) Naphthalene	15.635	128	7298	1.099	ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.841	180	2791	1.149	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

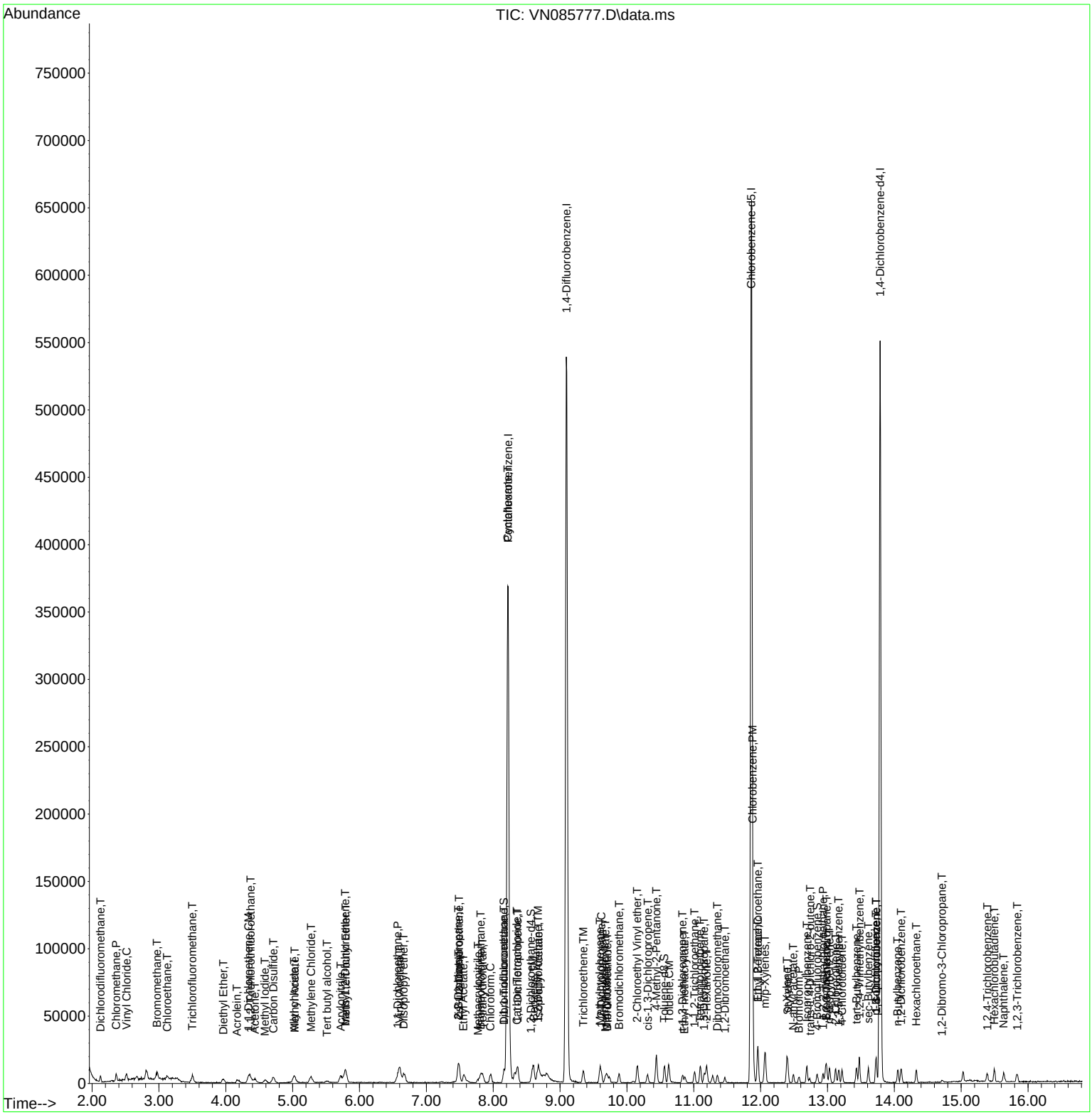
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

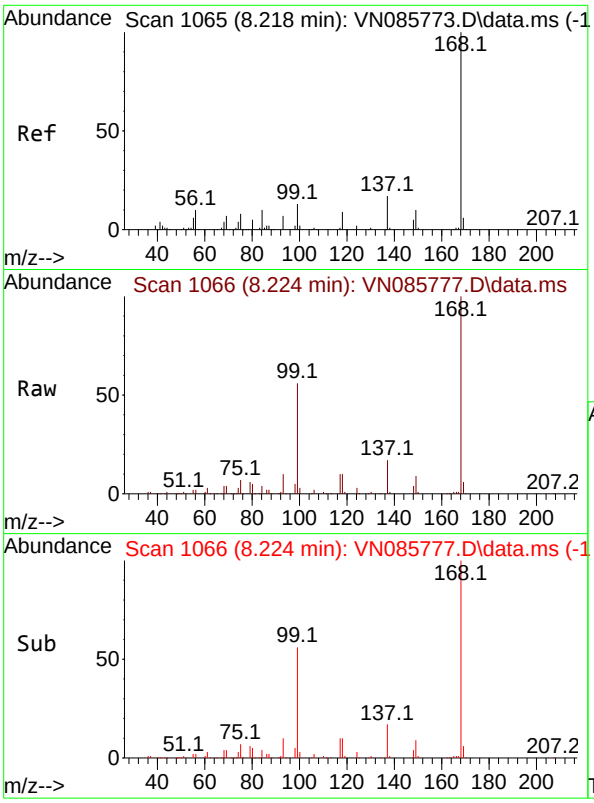
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration



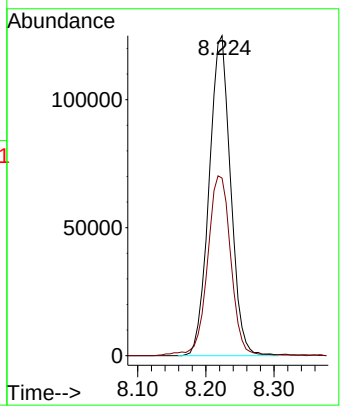


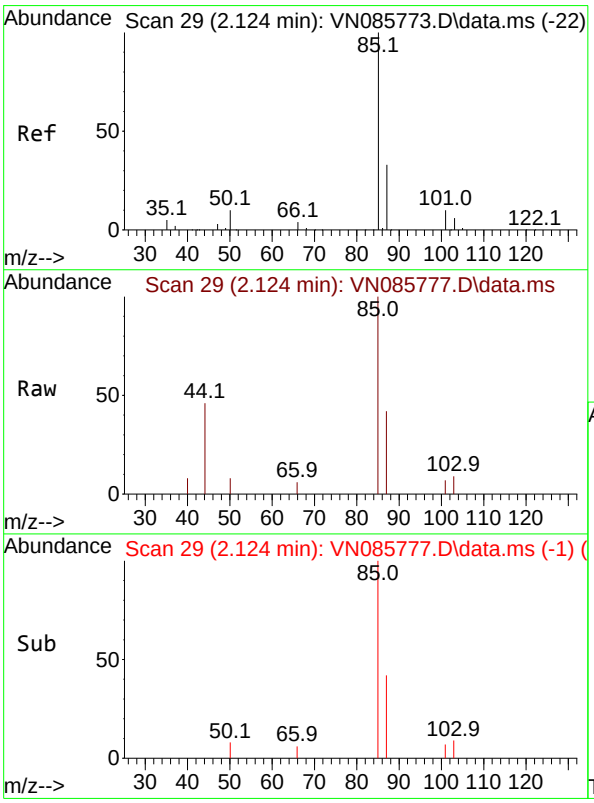
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 274051

Ion	Ratio	Lower	Upper
168	100		
99	55.2	47.9	71.9

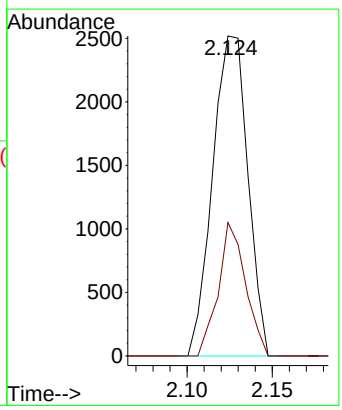


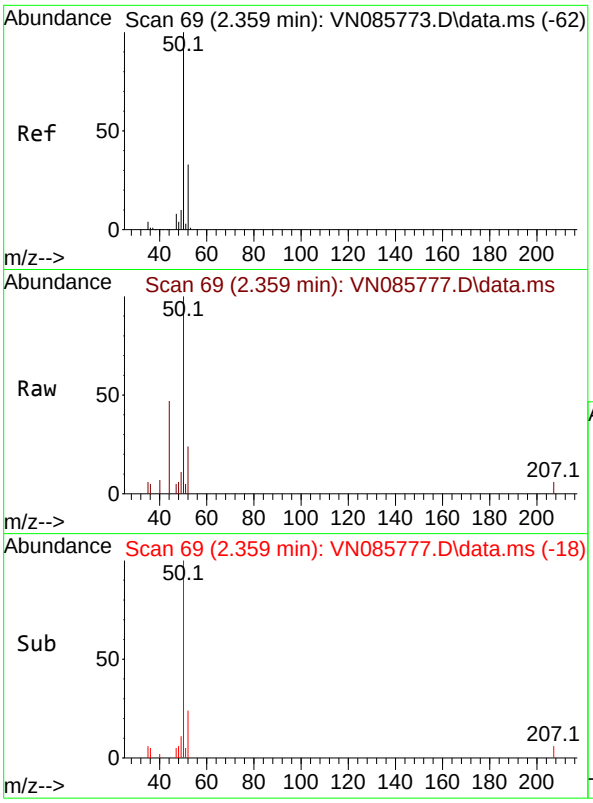


#2
Dichlorodifluoromethane
Concen: 0.971 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 85 Resp: 3620

Ion	Ratio	Lower	Upper
85	100		
87	41.7	16.4	49.2



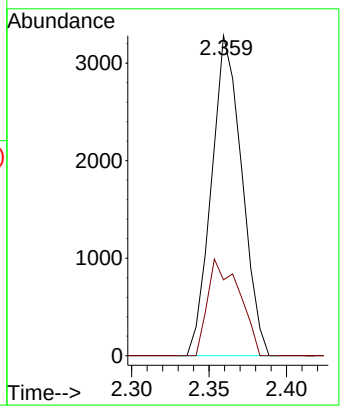


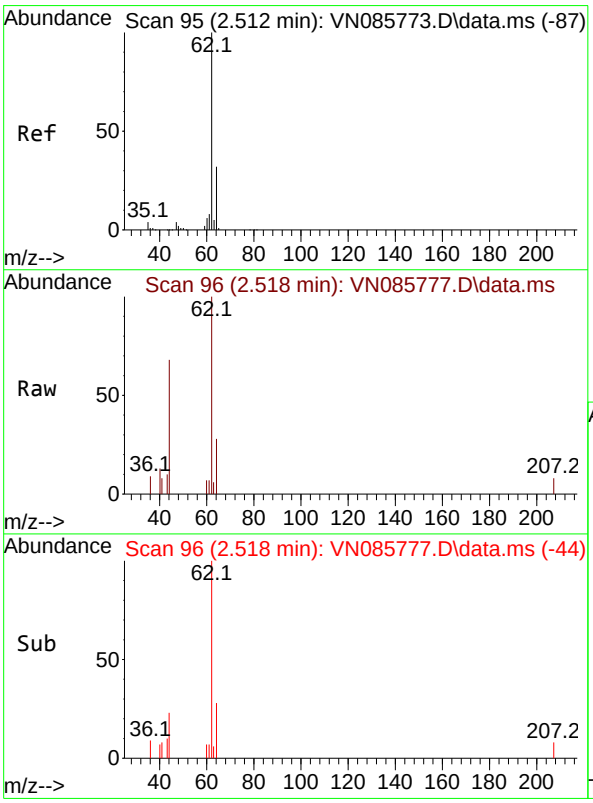
#3
Chloromethane
Concen: 1.197 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 4478

Ion	Ratio	Lower	Upper
50	100		
52	23.7	26.7	40.1#

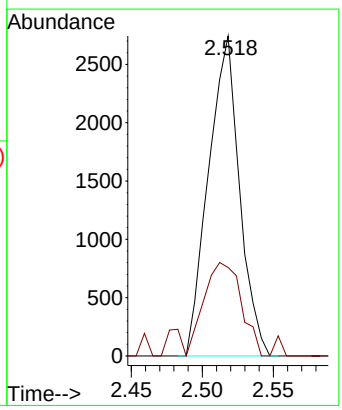


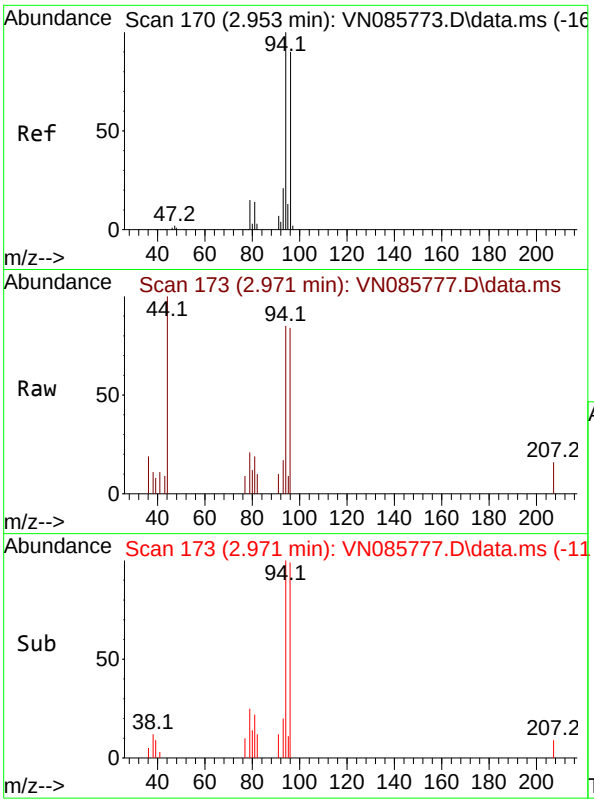


#4
Vinyl Chloride
Concen: 1.053 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 62 Resp: 4169

Ion	Ratio	Lower	Upper
62	100		
64	21.4	25.9	38.9#



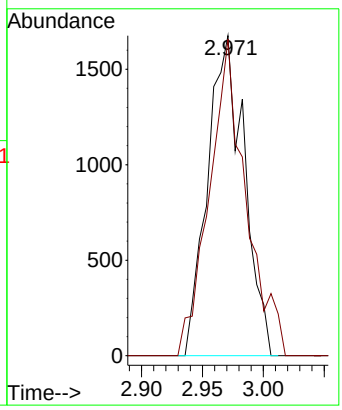


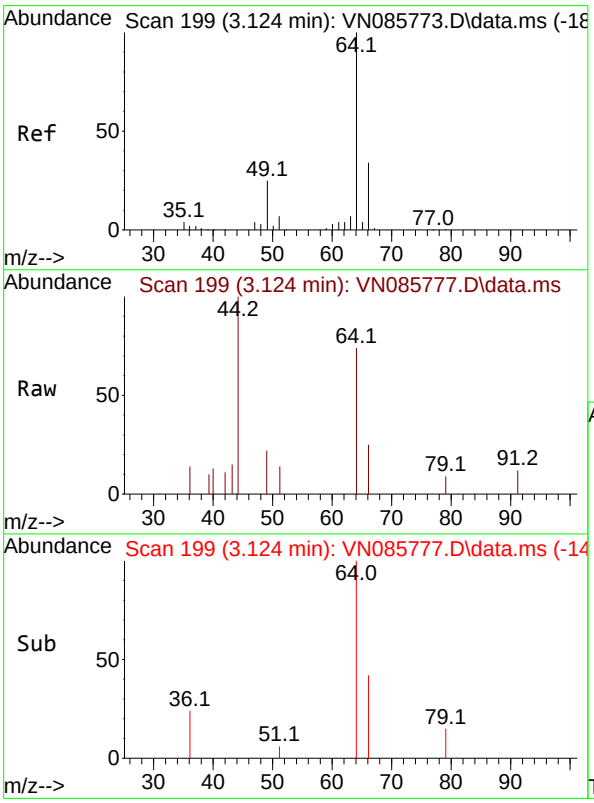
#5
Bromomethane
Concen: 1.386 ug/l
RT: 2.971 min Scan# 1
Delta R.T. 0.018 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 3510

Ion	Ratio	Lower	Upper
94	100		
96	98.9	71.7	107.5

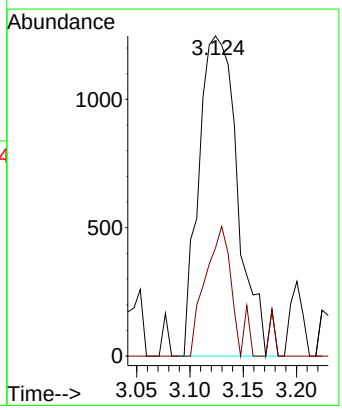


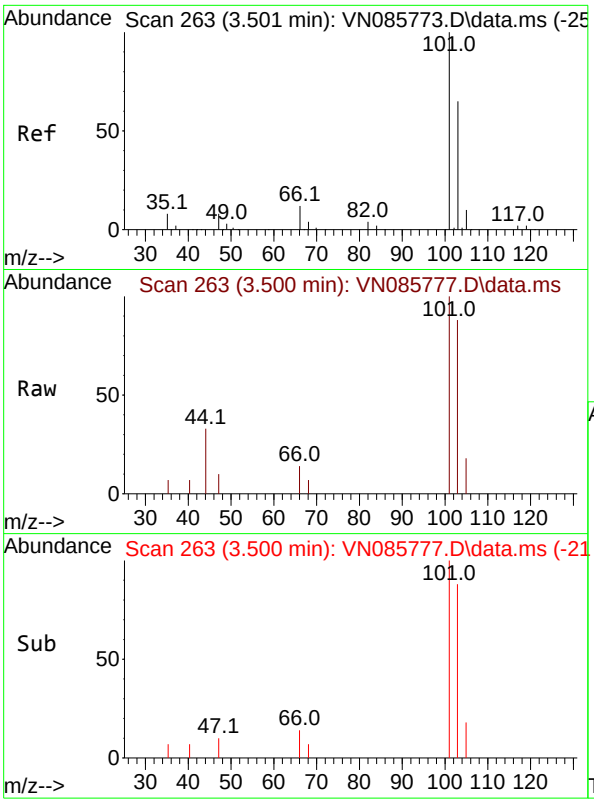


#6
Chloroethane
Concen: 1.220 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 64 Resp: 3201

Ion	Ratio	Lower	Upper
64	100		
66	33.8	27.0	40.6



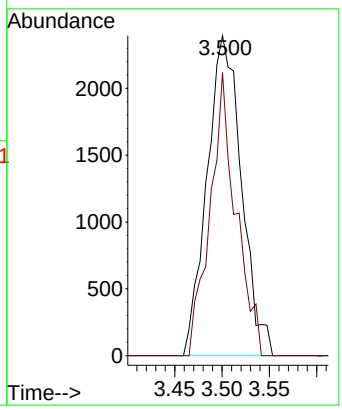


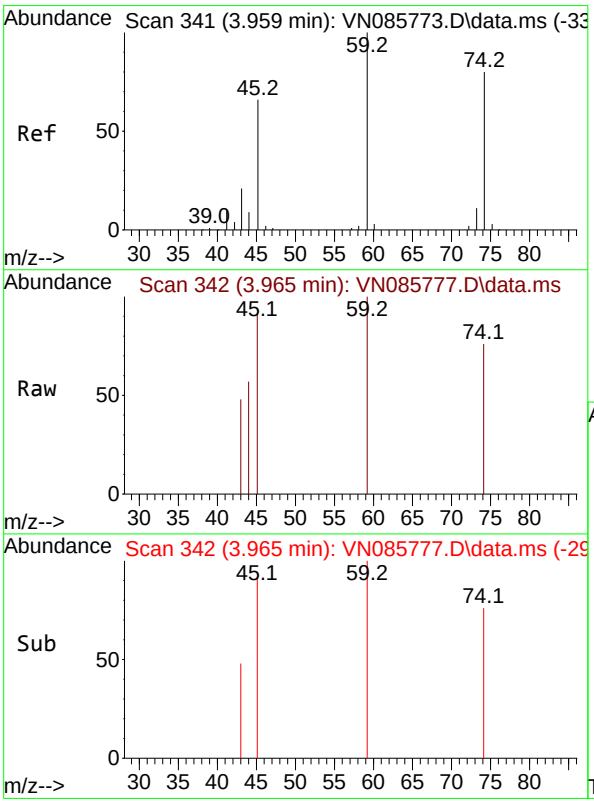
#7
Trichlorofluoromethane
Concen: 1.055 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 6048

Ion	Ratio	Lower	Upper
101	100		
103	88.5	52.2	78.4#

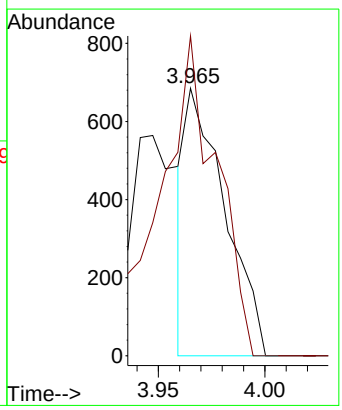


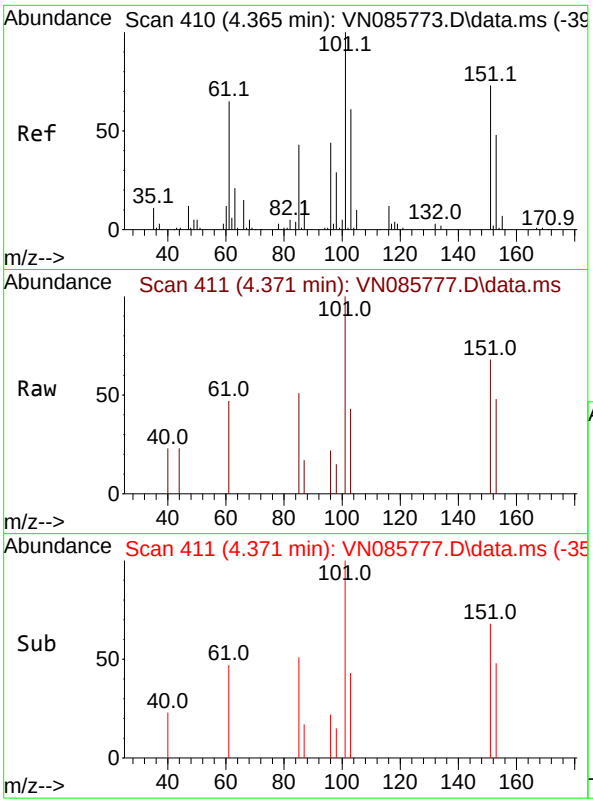


#8
Diethyl Ether
Concen: 0.477 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 74 Resp: 885

Ion	Ratio	Lower	Upper
74	100		
45	167.9	42.5	127.6#



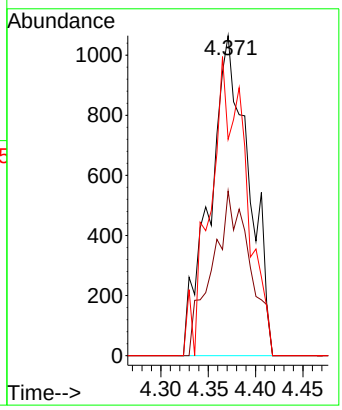


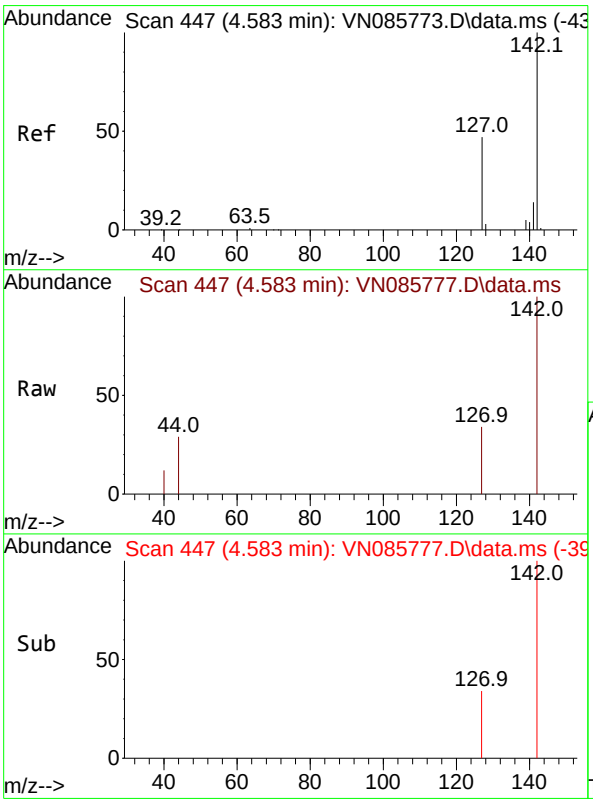
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.915 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3034

Ion	Ratio	Lower	Upper
101	100		
85	50.2	35.7	53.5
151	86.4	61.4	92.2

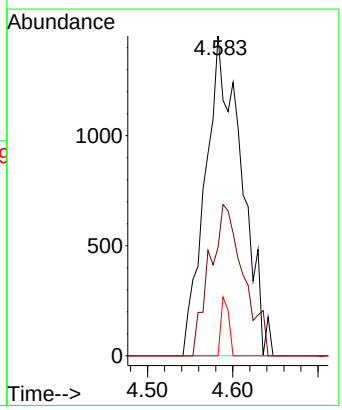


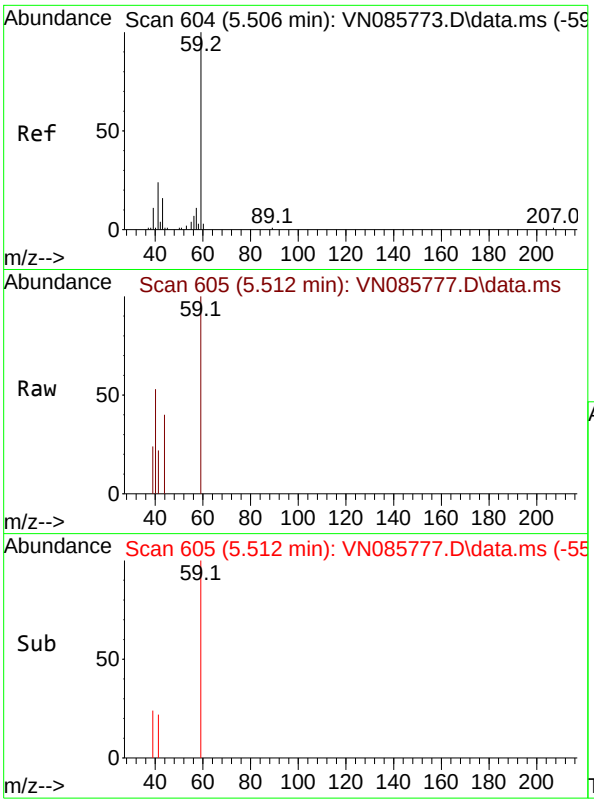


#10
Methyl Iodide
Concen: 1.046 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:142 Resp: 4275

Ion	Ratio	Lower	Upper
142	100		
127	33.9	37.6	56.4#
141	0.0	11.4	17.2#



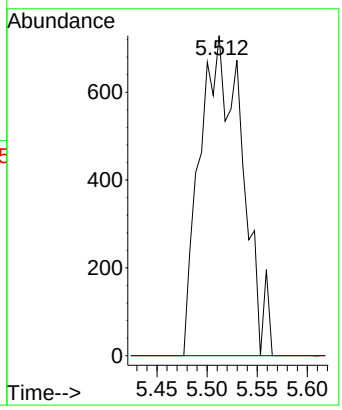


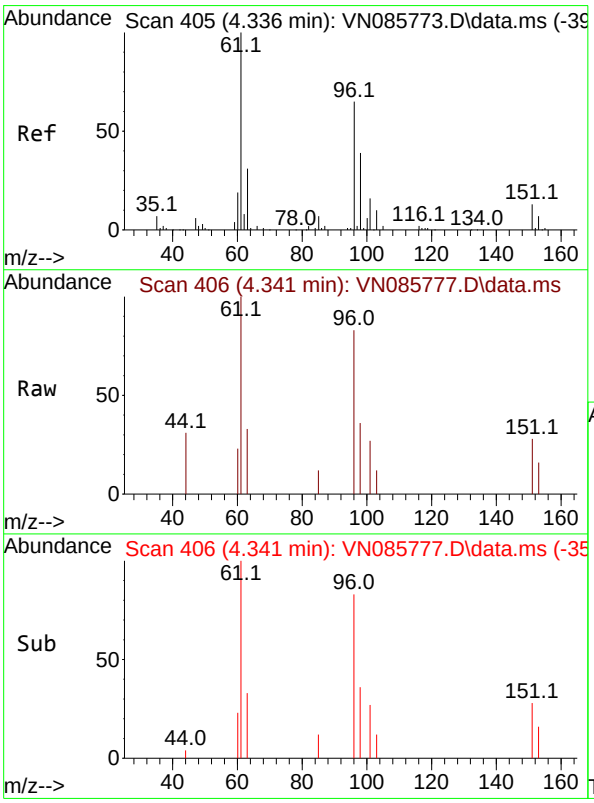
#11
Tert butyl alcohol
Concen: 4.888 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 2136

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

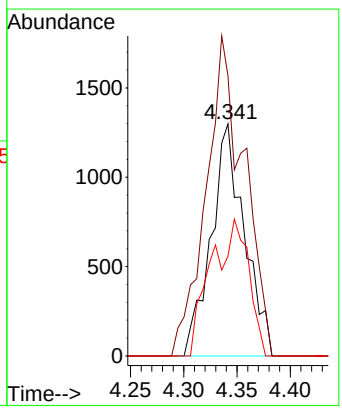


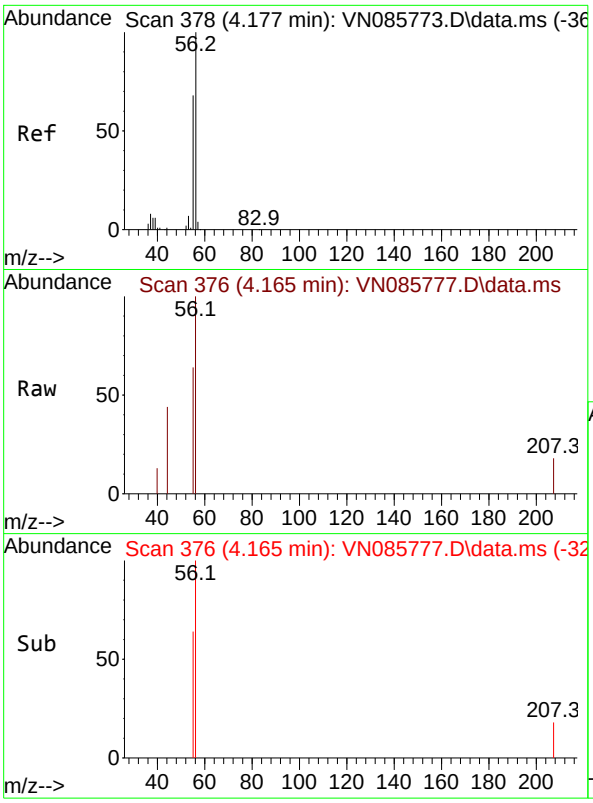


#12
1,1-Dichloroethene
Concen: 0.937 ug/l
RT: 4.341 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 96 Resp: 2817

Ion	Ratio	Lower	Upper
96	100		
61	120.8	123.3	184.9#
98	43.1	48.6	72.8#



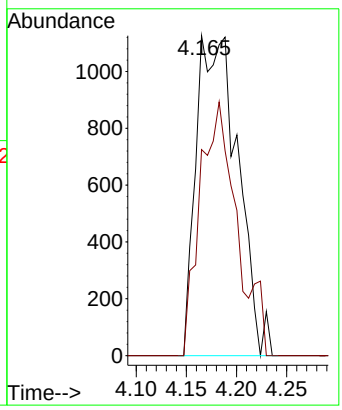


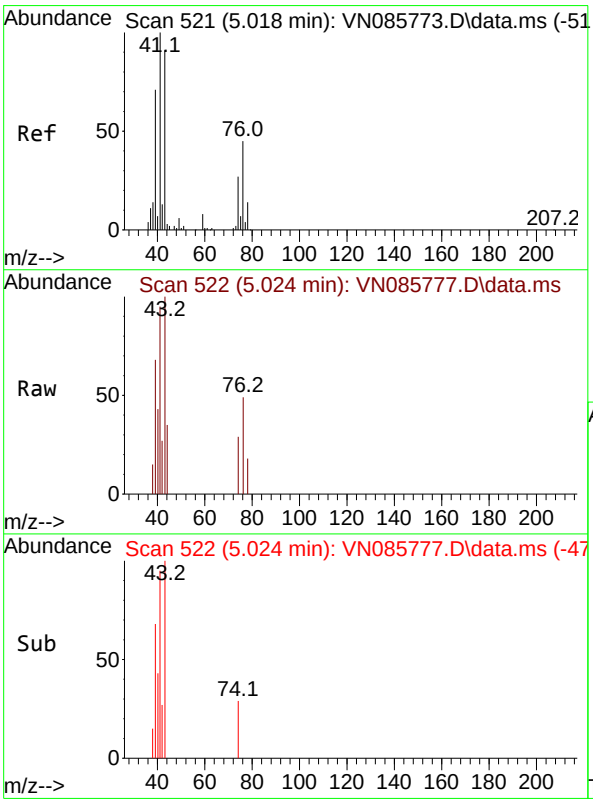
#13
Acrolein
Concen: 5.007 ug/l
RT: 4.165 min Scan# 3
Delta R.T. -0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 3245

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.3	82.9

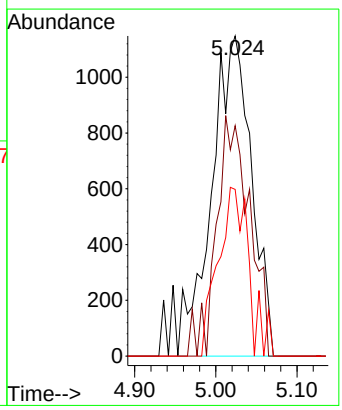


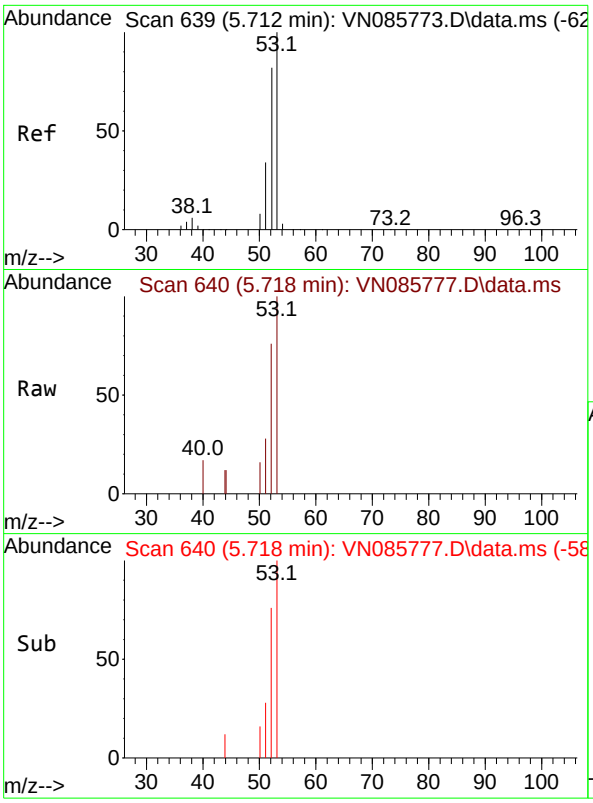


#14
Allyl chloride
Concen: 0.999 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 41 Resp: 3941

Ion	Ratio	Lower	Upper
41	100		
39	60.6	57.4	86.2
76	40.4	36.2	54.2



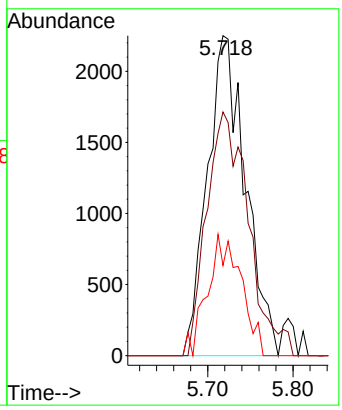


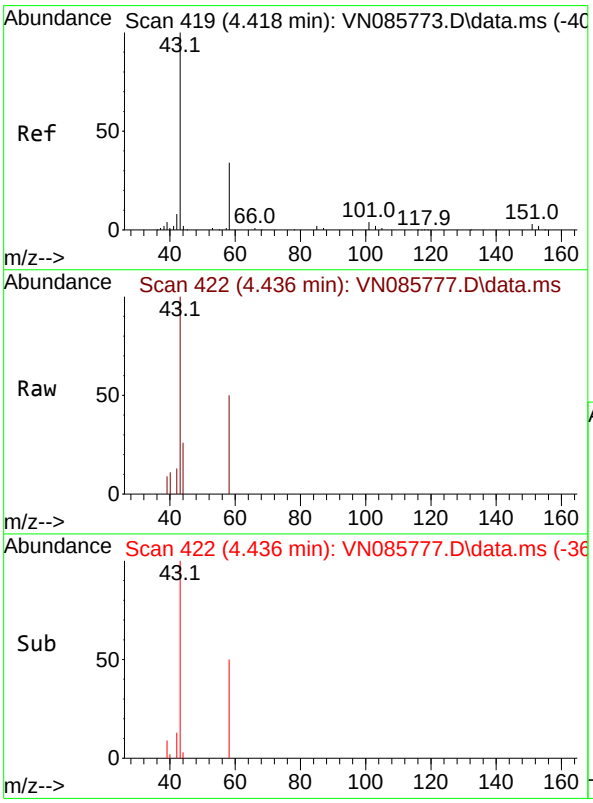
#15
Acrylonitrile
Concen: 4.913 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 6980

Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.8	98.6
51	33.5	28.6	42.8

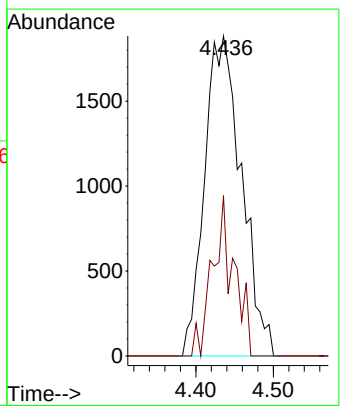


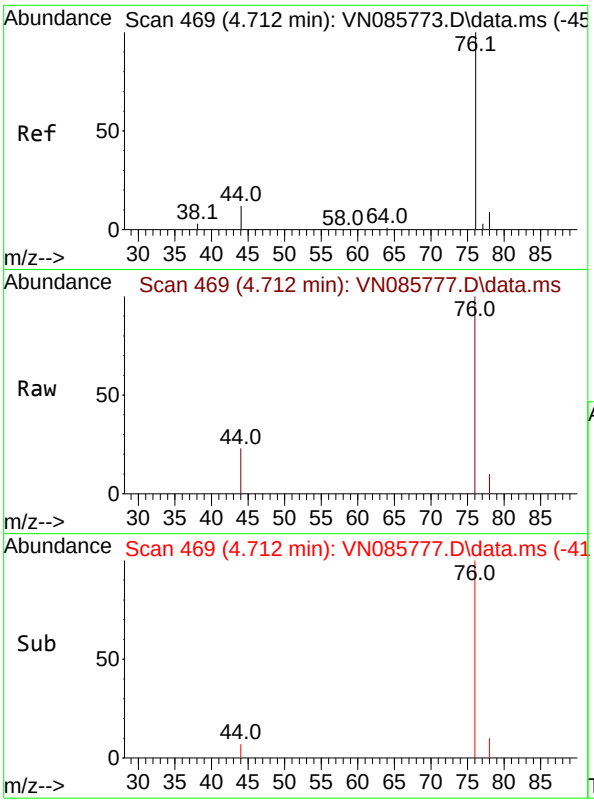


#16
Acetone
Concen: 5.542 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 6230

Ion	Ratio	Lower	Upper
43	100		
58	50.1	27.5	41.3#



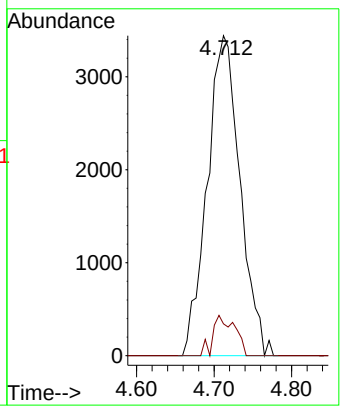


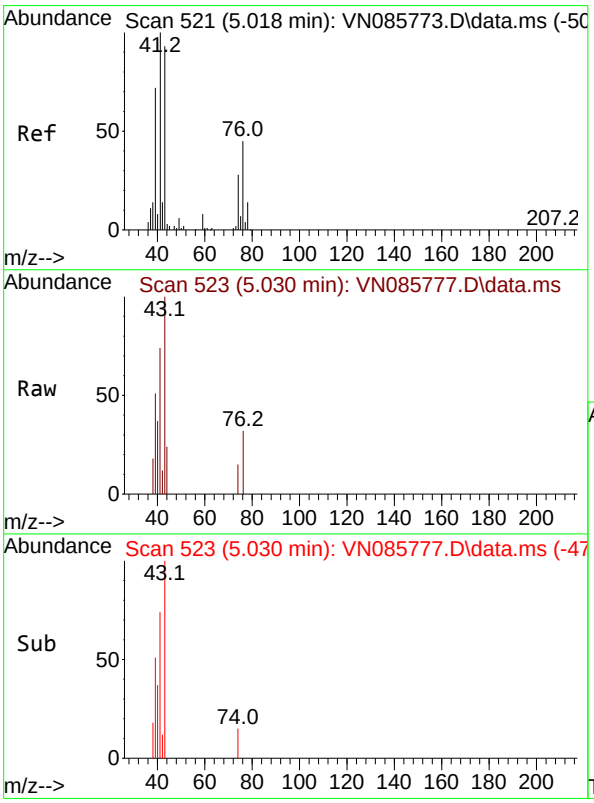
#17
Carbon Disulfide
Concen: 1.137 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 10131

Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.4	11.0

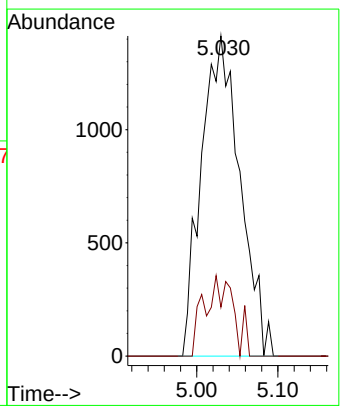


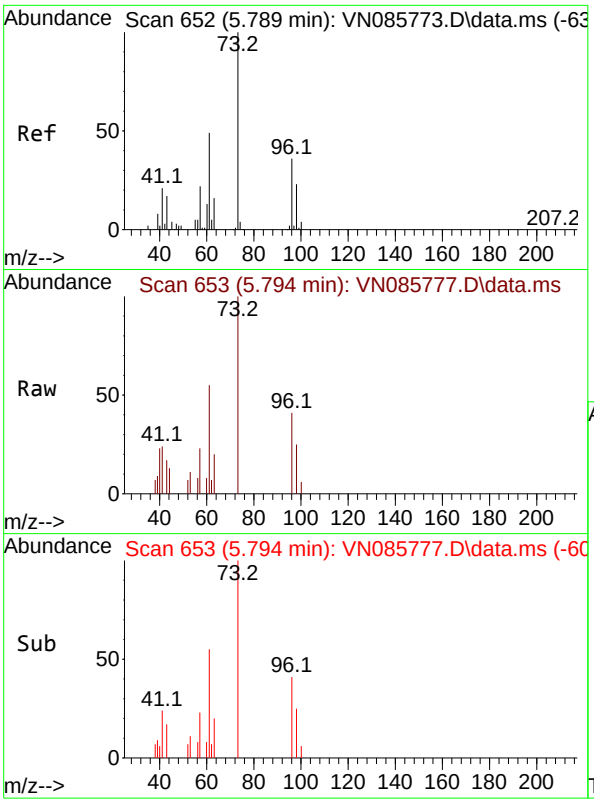


#18
Methyl Acetate
Concen: 1.210 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 4677

Ion	Ratio	Lower	Upper
43	100		
74	2.5	22.2	33.4#



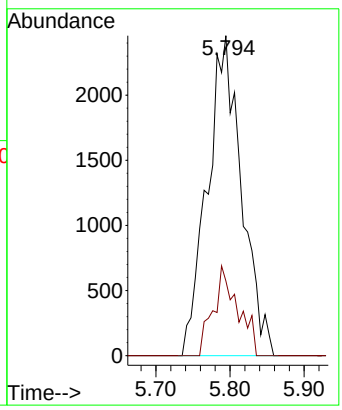


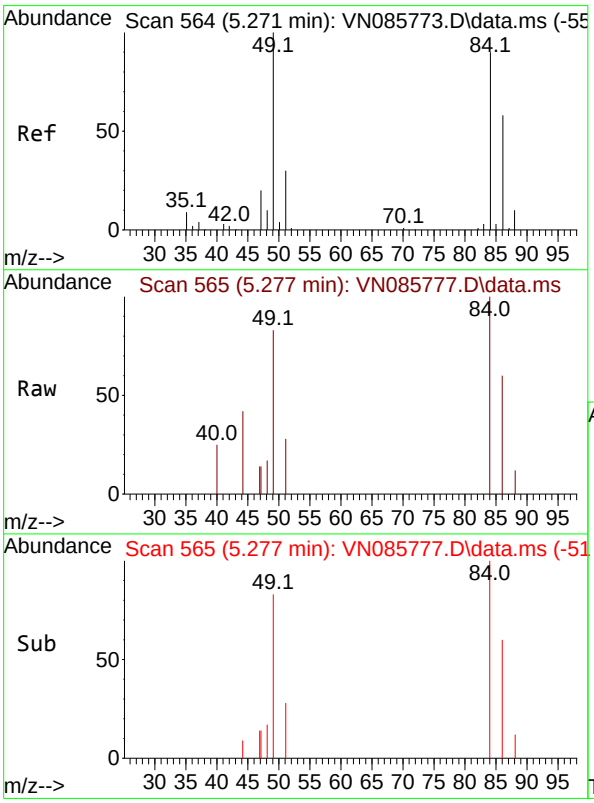
#19
Methyl tert-butyl Ether
Concen: 0.883 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 7883

Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.6	26.4

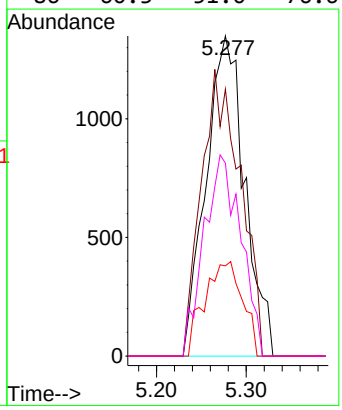


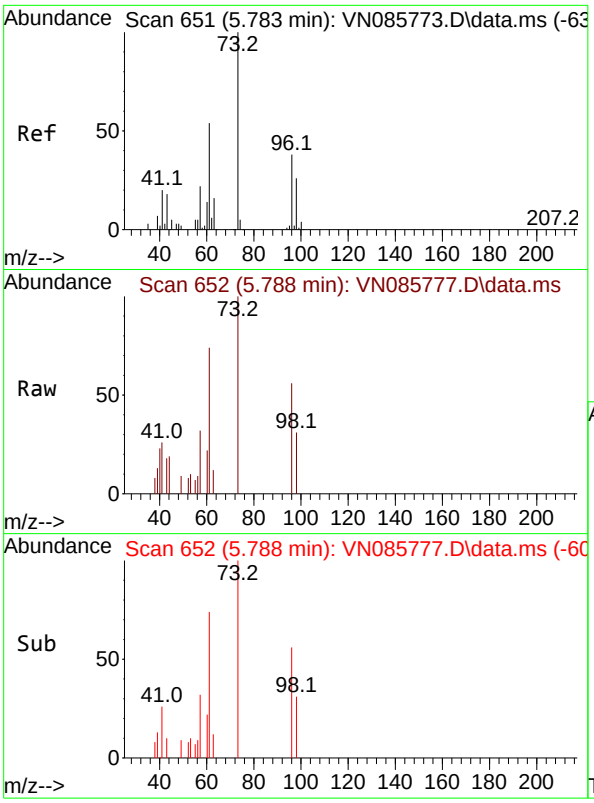


#20
Methylene Chloride
Concen: 1.116 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 84 Resp: 4036

Ion	Ratio	Lower	Upper
84	100		
49	83.4	88.4	132.6#
51	28.2	26.6	40.0
86	60.3	51.0	76.6



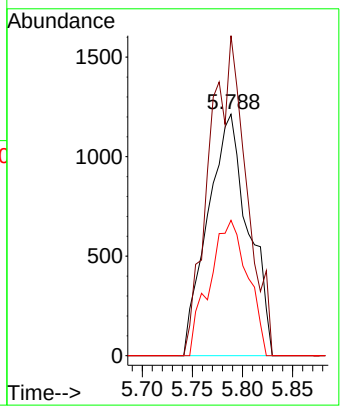


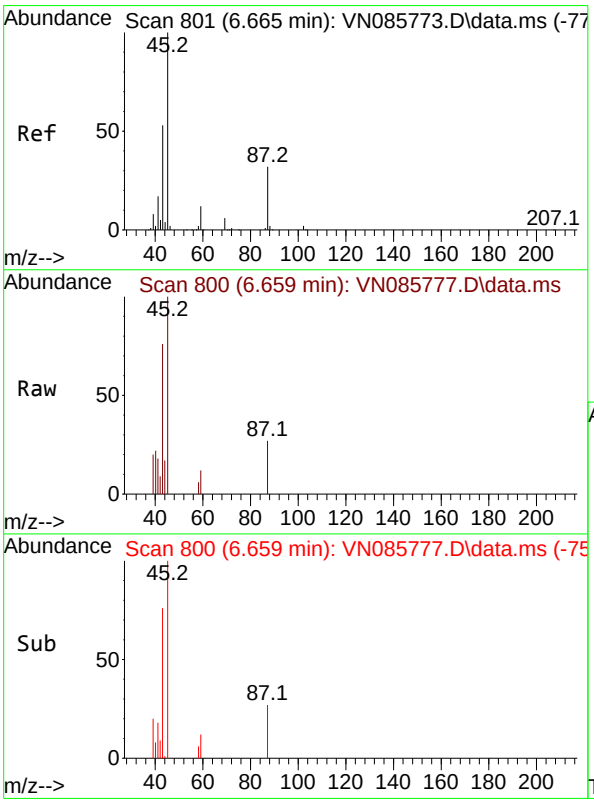
#21
trans-1,2-Dichloroethene
Concen: 1.055 ug/l
RT: 5.788 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3415

Ion	Ratio	Lower	Upper
96	100		
61	132.6	112.6	168.8
98	56.1	53.3	79.9

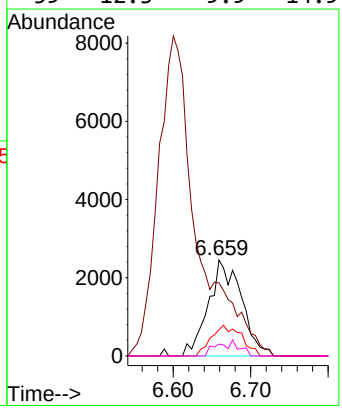


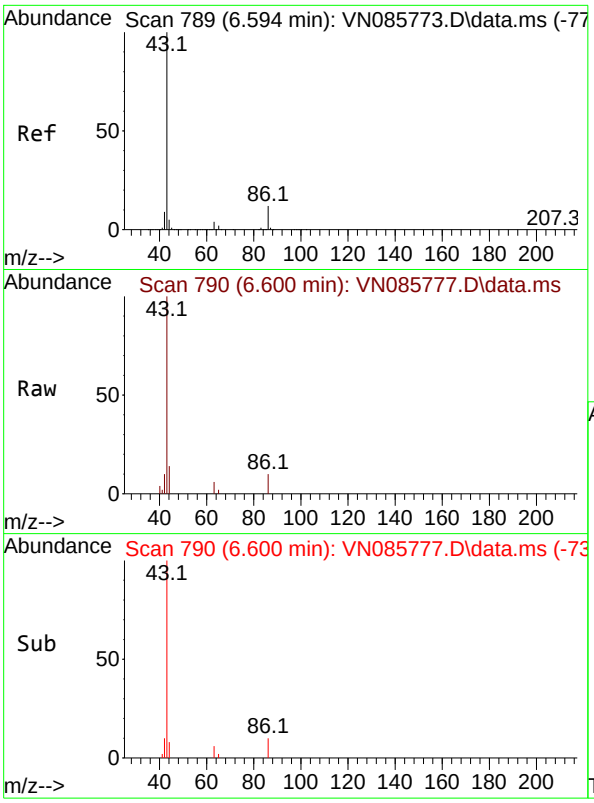


#22
Diisopropyl ether
Concen: 0.815 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 45 Resp: 7268

Ion	Ratio	Lower	Upper
45	100		
43	76.2	42.6	64.0#
87	27.4	25.8	38.8
59	12.3	9.9	14.9



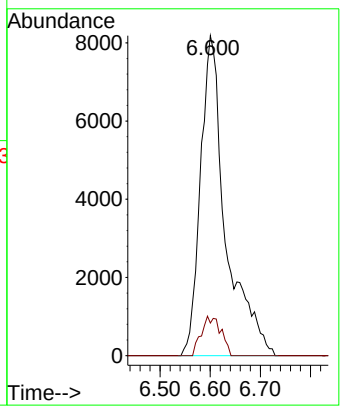


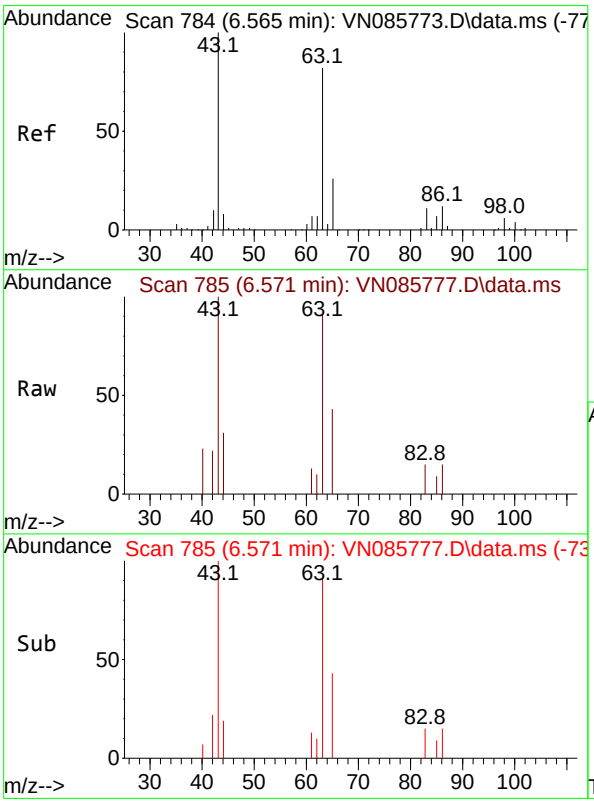
#23
Vinyl Acetate
Concen: 4.711 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 28674

Ion	Ratio	Lower	Upper
43	100		
86	10.2	9.8	14.8

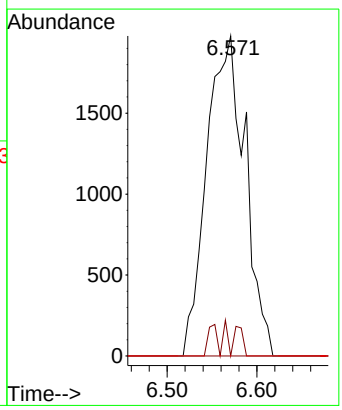


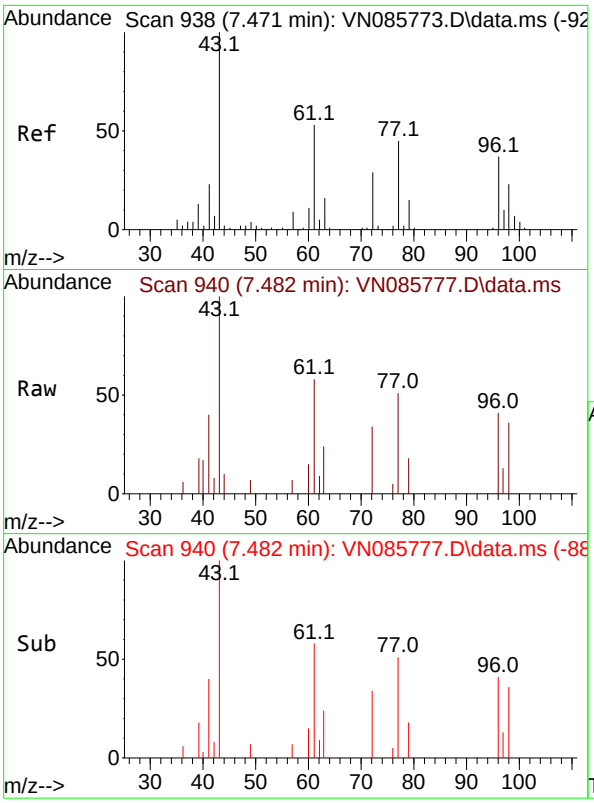


#24
1,1-Dichloroethane
Concen: 0.970 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 63 Resp: 5881

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.4#
100	0.0	2.4	7.2#



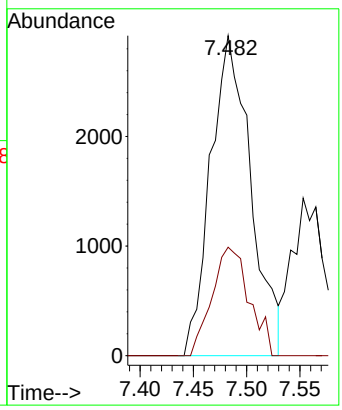


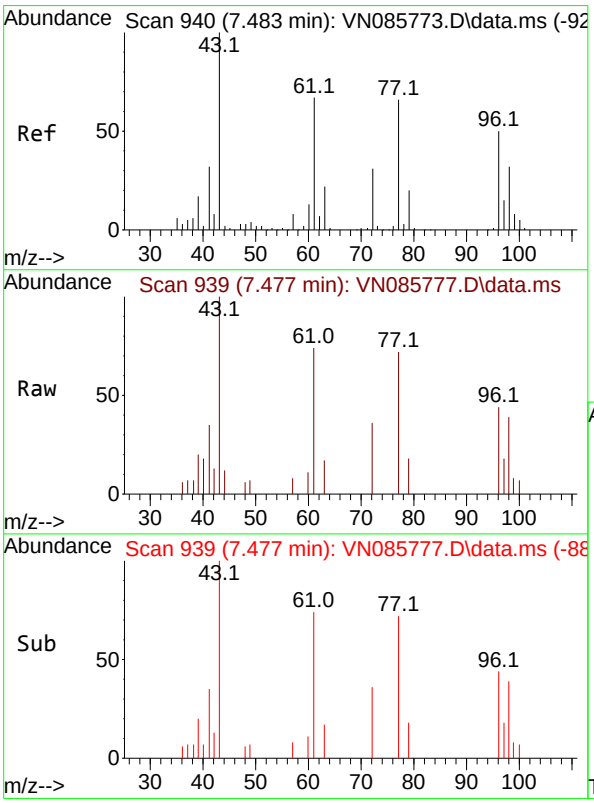
#25
2-Butanone
Concen: 4.630 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7658

Ion	Ratio	Lower	Upper
43	100		
72	33.9	23.6	35.4

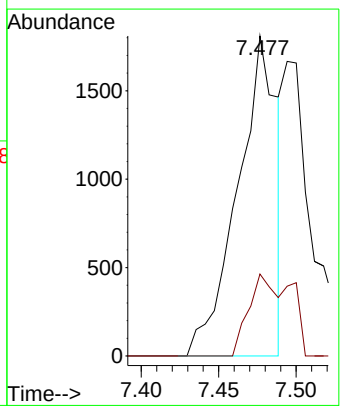


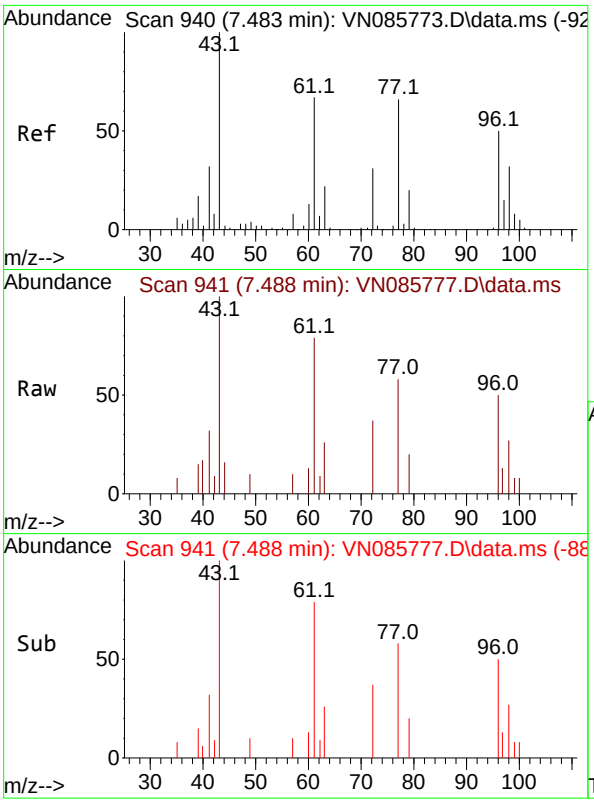


#26
2,2-Dichloropropane
Concen: 0.591 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 77 Resp: 3187

Ion	Ratio	Lower	Upper
77	100		
97	27.3	11.3	33.8



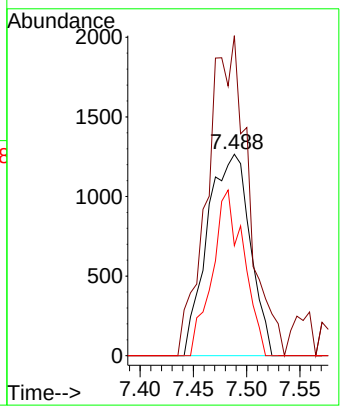


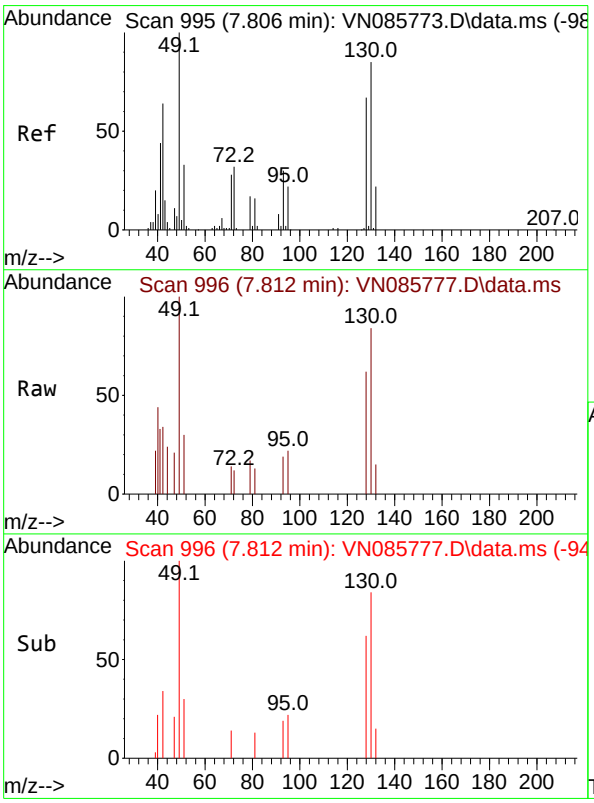
#27
cis-1,2-Dichloroethene
Concen: 0.944 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3541

Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	280.6
98	60.5	0.0	128.6

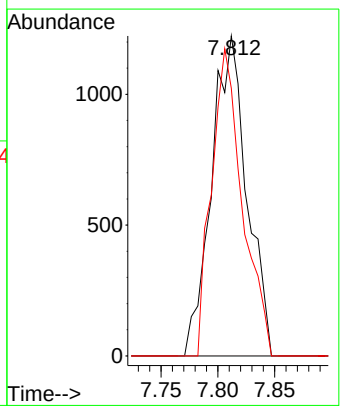


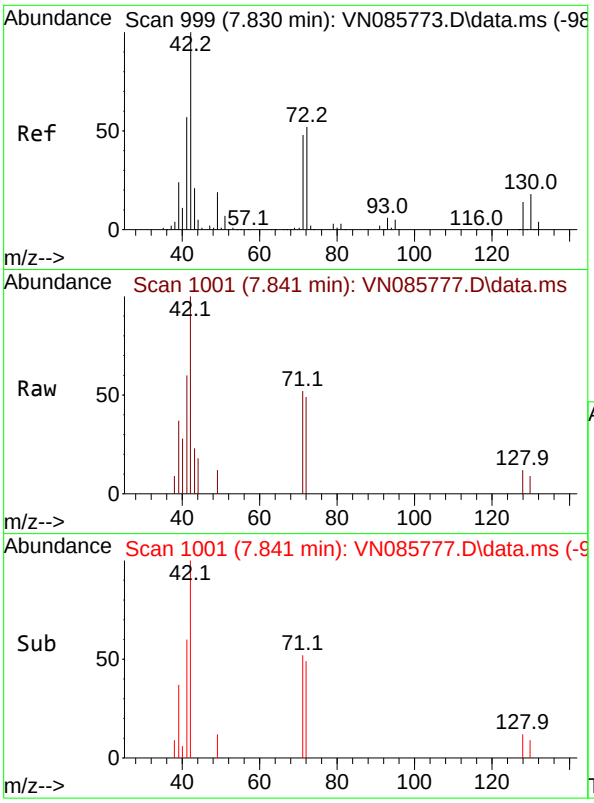


#28
Bromochloromethane
Concen: 1.063 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 49 Resp: 2649

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	83.6	68.0	102.0



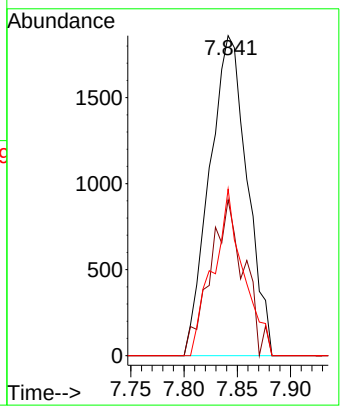


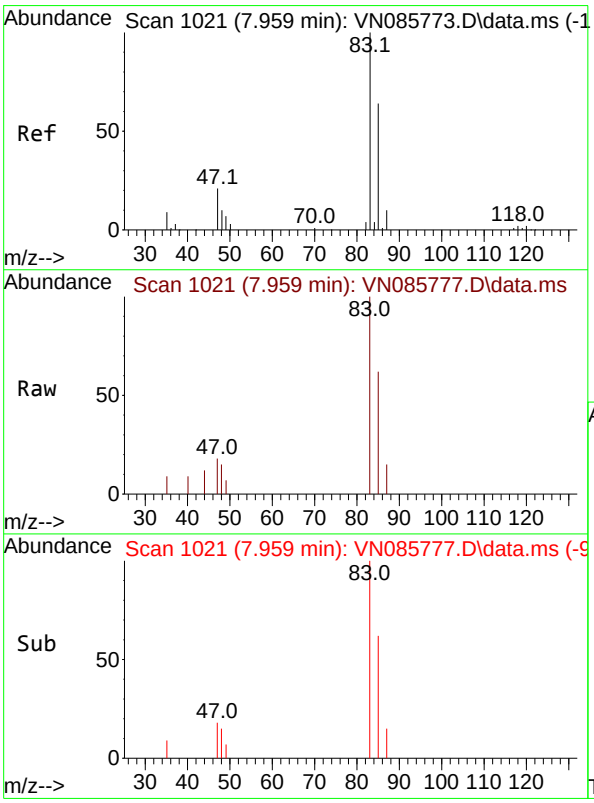
#29
Tetrahydrofuran
Concen: 4.276 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4567

Ion	Ratio	Lower	Upper
42	100		
72	44.3	40.0	60.0
71	42.4	37.0	55.4

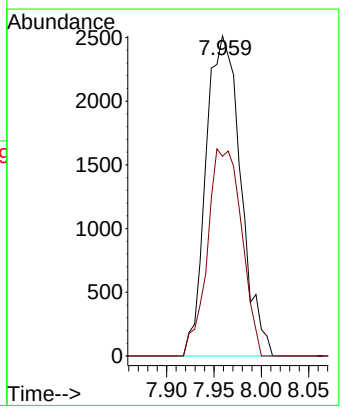


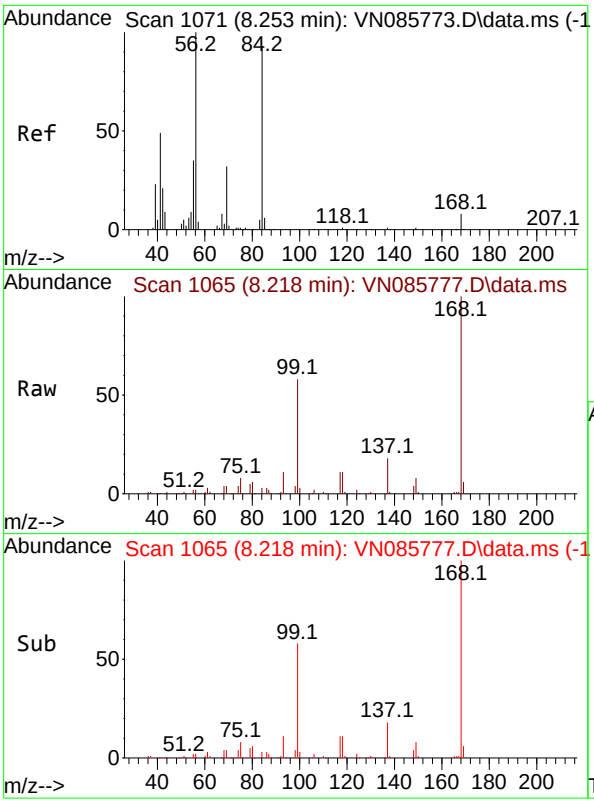


#30
Chloroform
Concen: 1.013 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 83 Resp: 6416

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.9	76.3



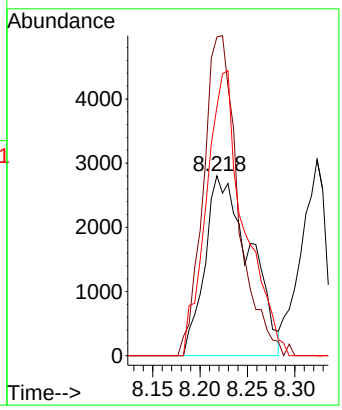


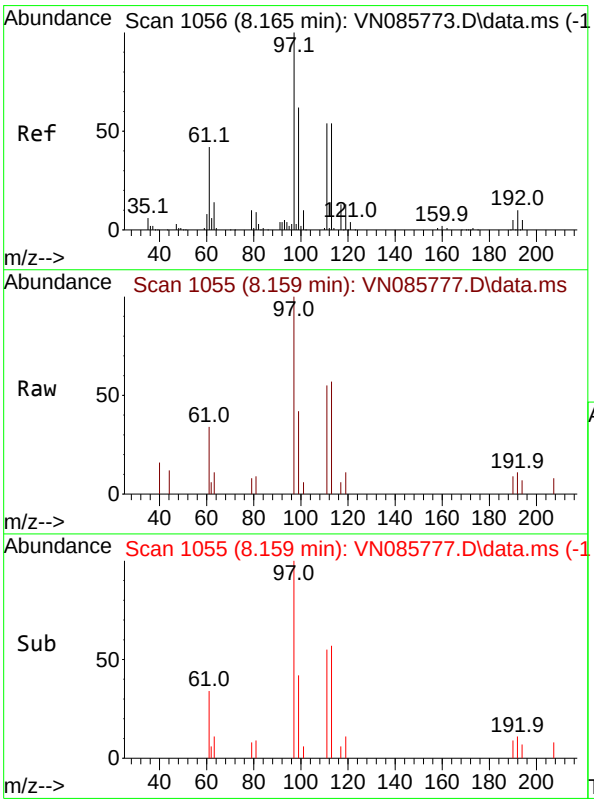
#31
Cyclohexane
Concen: 1.821 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 9239

Ion	Ratio	Lower	Upper
56	100		
69	177.2	25.8	38.6#
84	138.3	74.5	111.7#

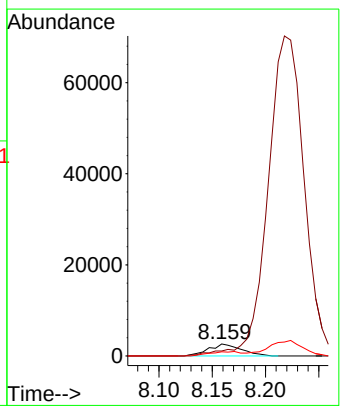


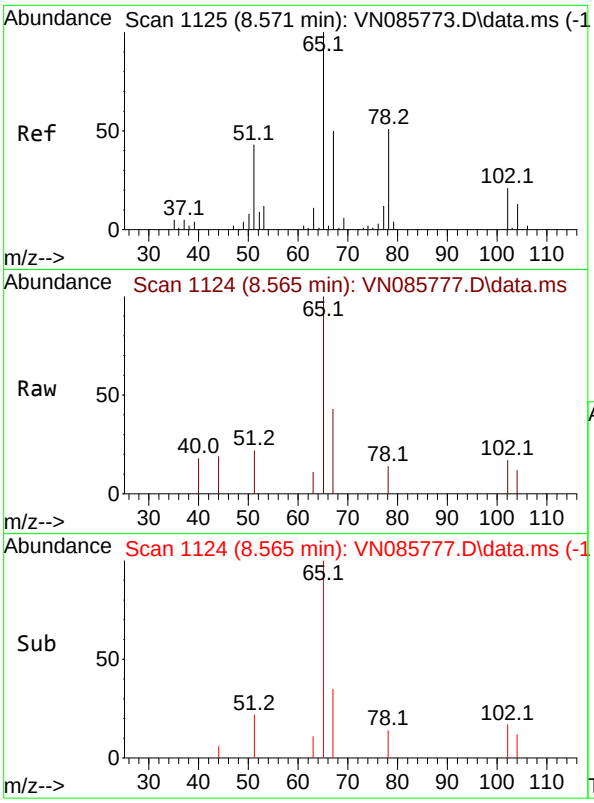


#32
1,1,1-Trichloroethane
Concen: 1.002 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 97 Resp: 5643

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	36.6	35.5	53.3



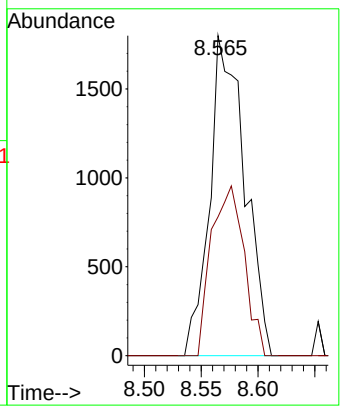


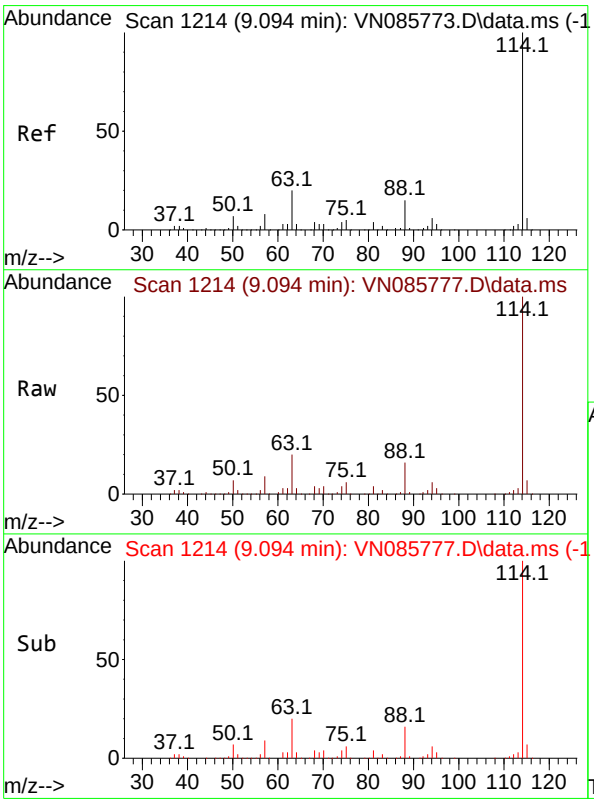
#33
1,2-Dichloroethane-d4
Concen: 1.086 ug/l
RT: 8.565 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3857

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	106.2

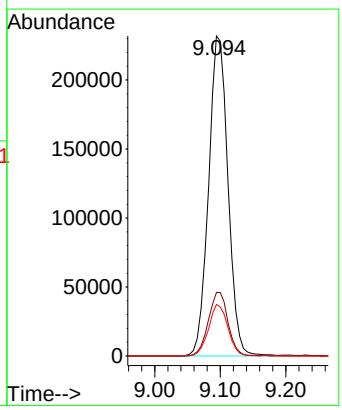


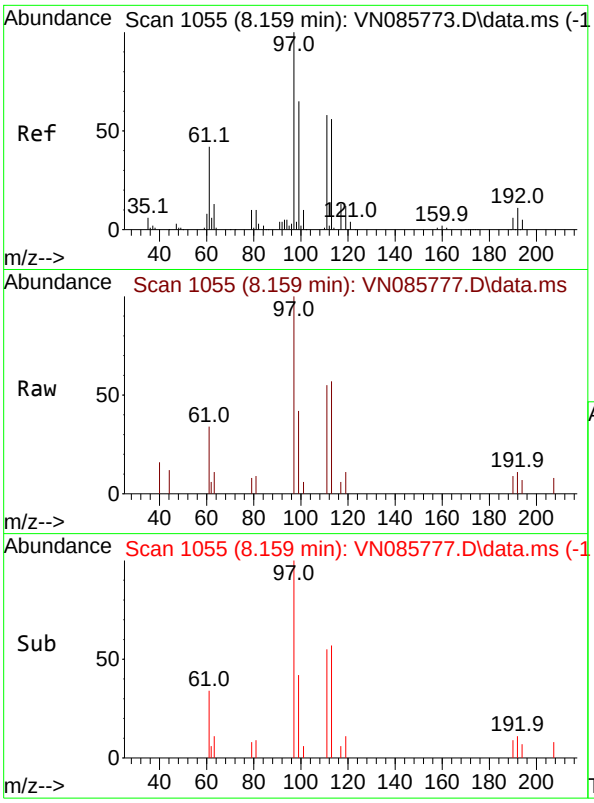


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:114 Resp: 476457

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.2
88	16.1	0.0	30.0



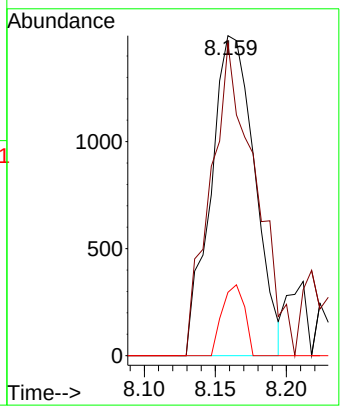


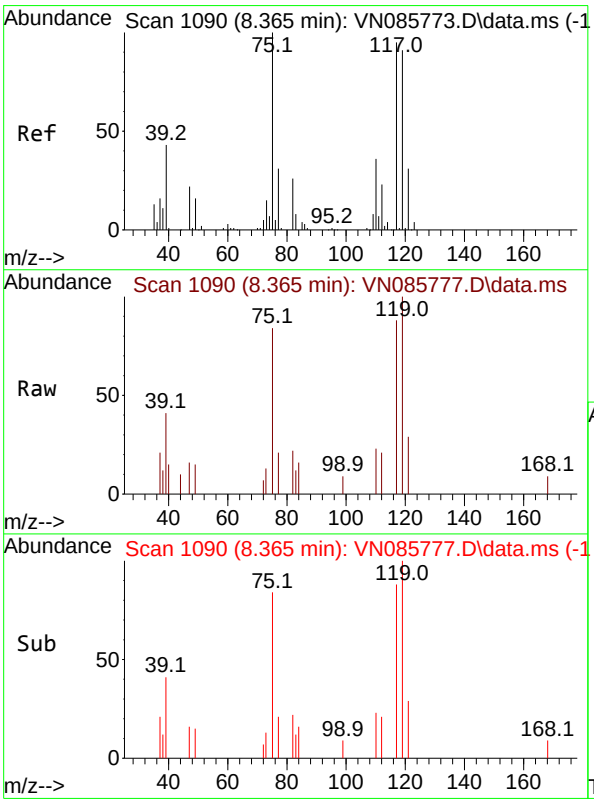
#35
Dibromofluoromethane
Concen: 1.031 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 3213

Ion	Ratio	Lower	Upper
113	100		
111	99.6	82.2	123.4
192	11.3	14.7	22.1#

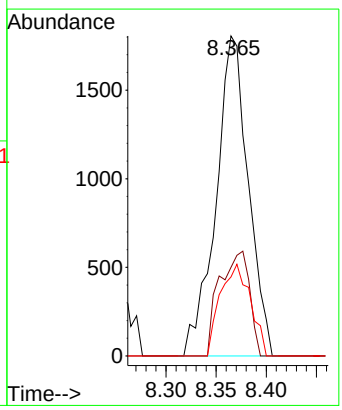


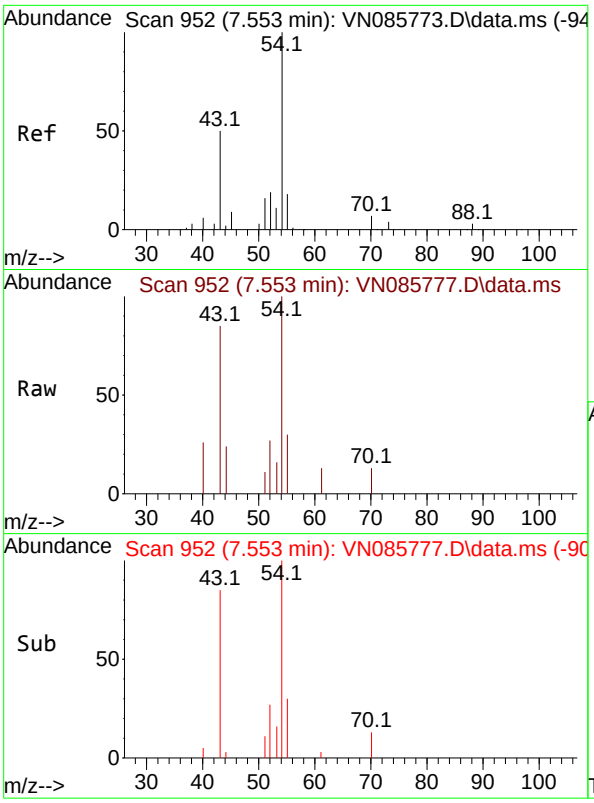


#36
1,1-Dichloropropene
Concen: 0.919 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 4055

Ion	Ratio	Lower	Upper
75	100		
110	30.3	17.3	52.0
77	26.7	24.6	37.0



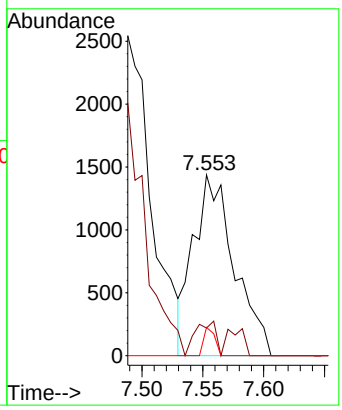


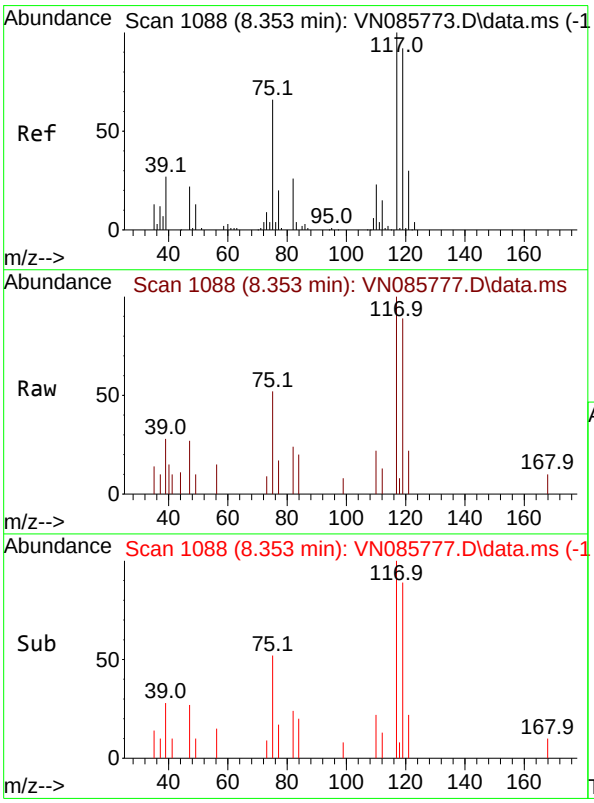
#37
Ethyl Acetate
Concen: 0.927 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3365

Ion	Ratio	Lower	Upper
43	100		
61	9.5	12.2	18.2#
70	4.2	9.5	14.3#

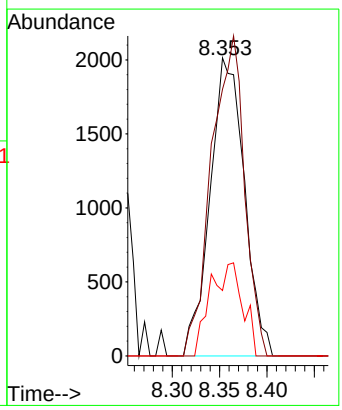


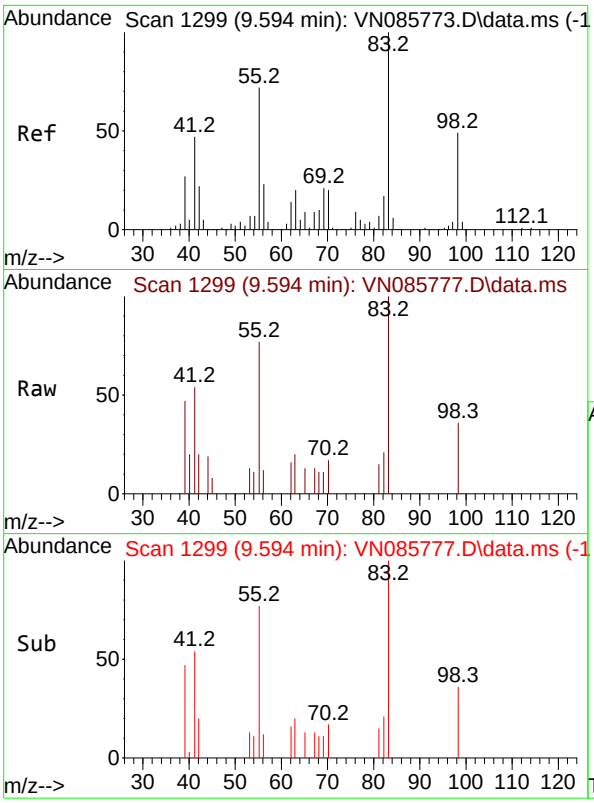


#38
Carbon Tetrachloride
Concen: 0.969 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:117 Resp: 5079

Ion	Ratio	Lower	Upper
117	100		
119	89.5	73.8	110.6
121	21.9	24.3	36.5#



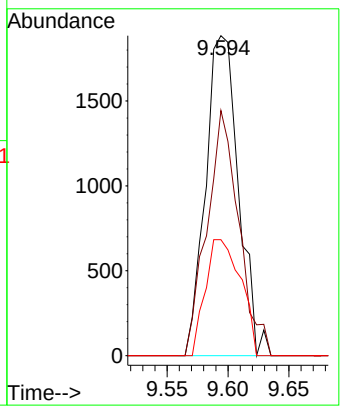


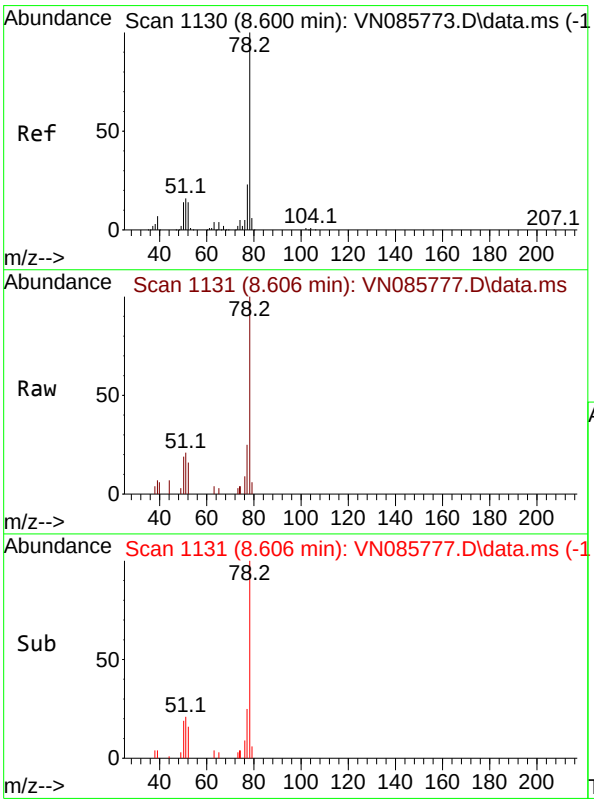
#39
Methylcyclohexane
Concen: 0.821 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3557

Ion	Ratio	Lower	Upper
83	100		
55	76.6	57.5	86.3
98	36.2	39.2	58.8#

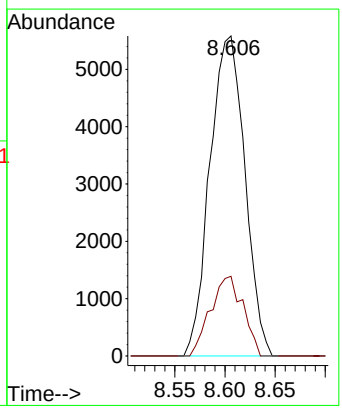


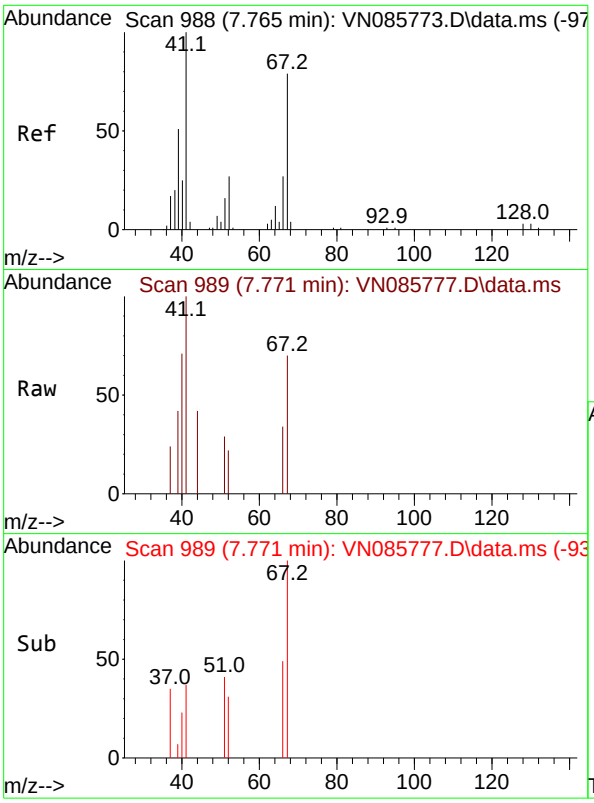


#40
Benzene
Concen: 0.957 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 78 Resp: 13536

Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.3	27.5



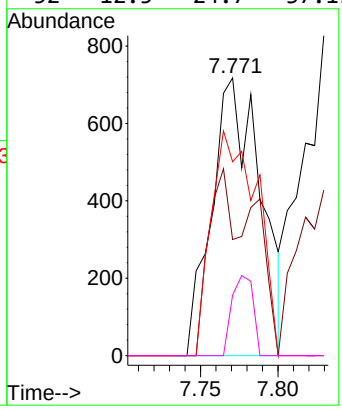


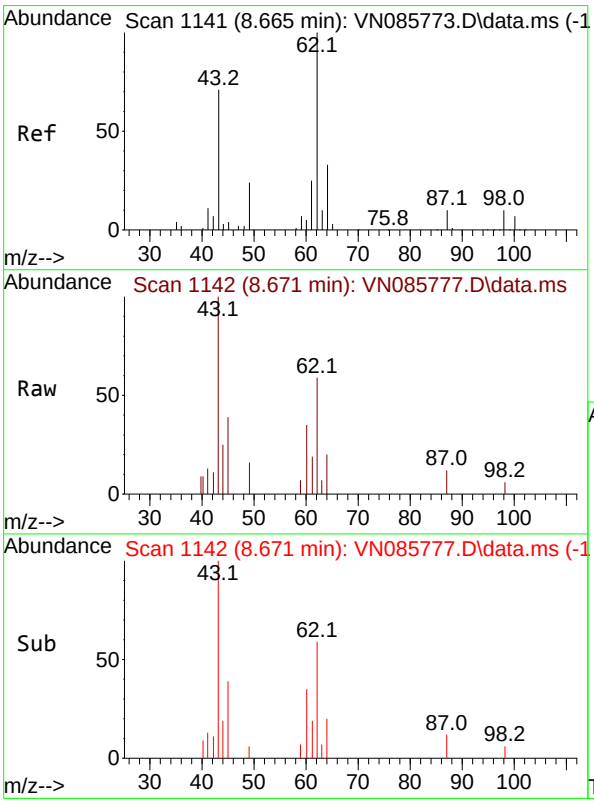
#41
Methacrylonitrile
Concen: 0.810 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1573

Ion	Ratio	Lower	Upper
41	100		
39	39.4	42.0	63.0#
67	75.6	64.2	96.4
52	12.5	24.7	37.1#

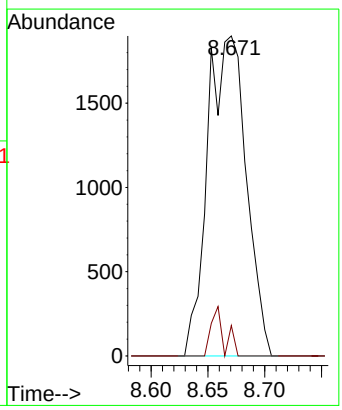


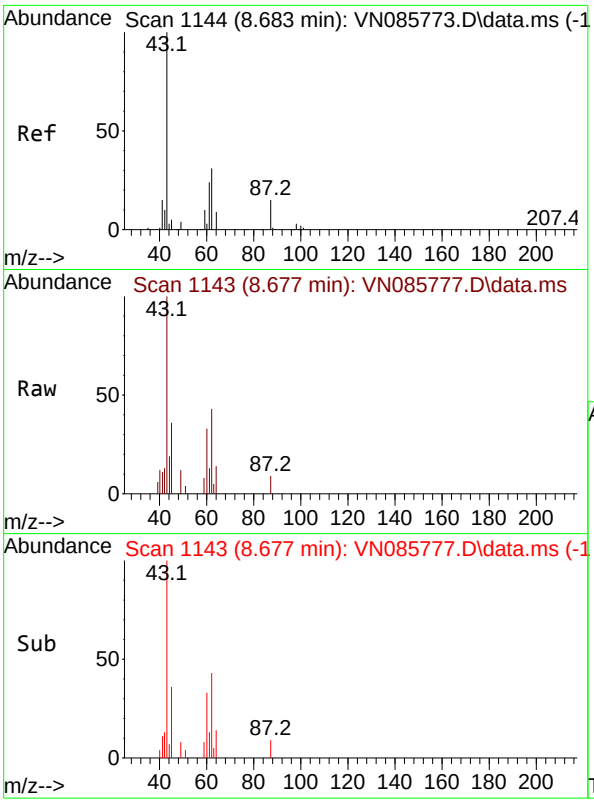


#42
1,2-Dichloroethane
Concen: 0.976 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 62 Resp: 4497

Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	19.6



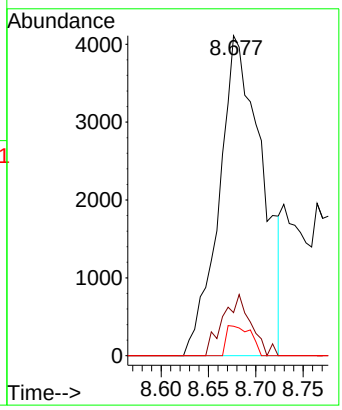


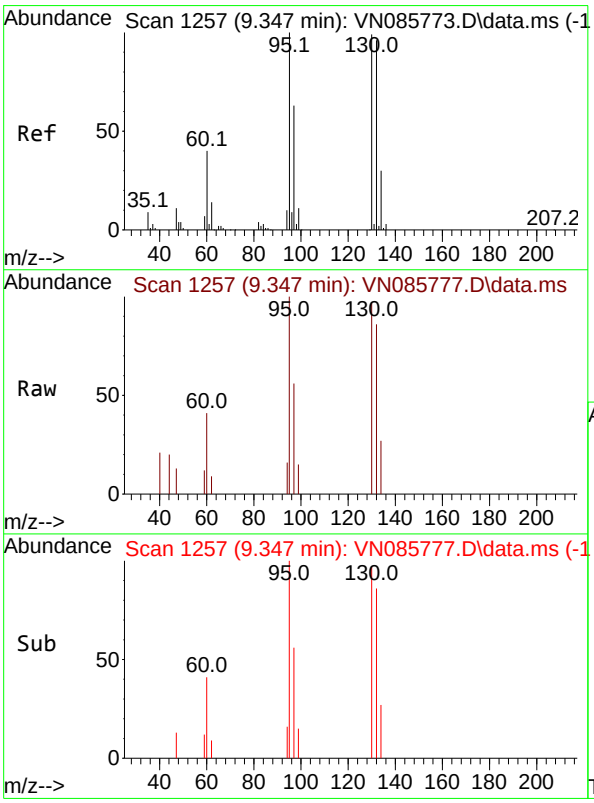
#43
Isopropyl Acetate
Concen: 1.494 ug/l
RT: 8.677 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12901

Ion	Ratio	Lower	Upper
43	100		
61	12.7	22.6	34.0#
87	5.3	11.8	17.8#

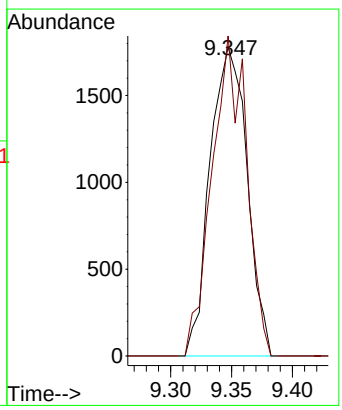


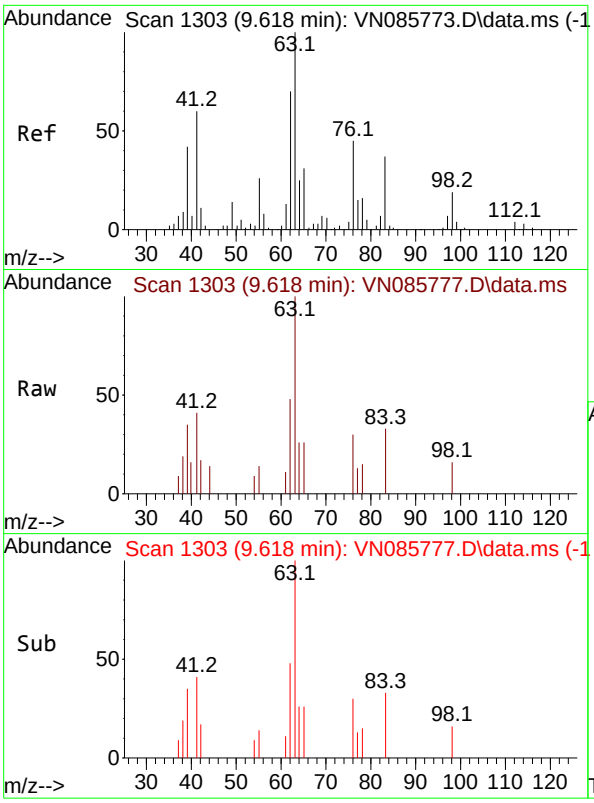


#44
Trichloroethene
Concen: 1.085 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:130 Resp: 3768

Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	202.6



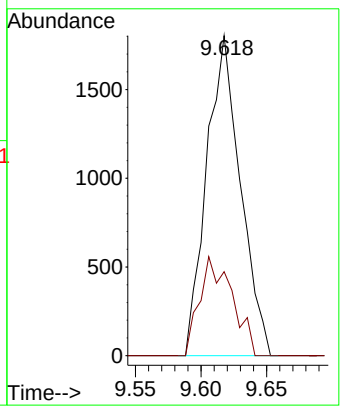


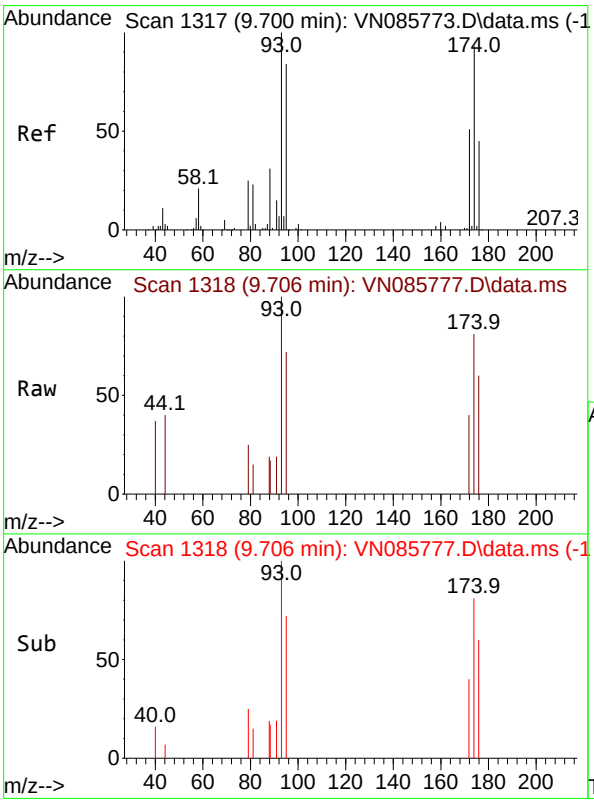
#45
1,2-Dichloropropane
Concen: 0.948 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 3235

Ion	Ratio	Lower	Upper
63	100		
65	26.3	25.1	37.7

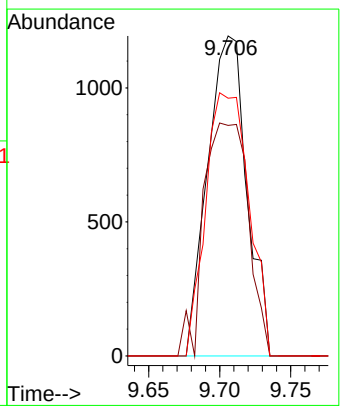


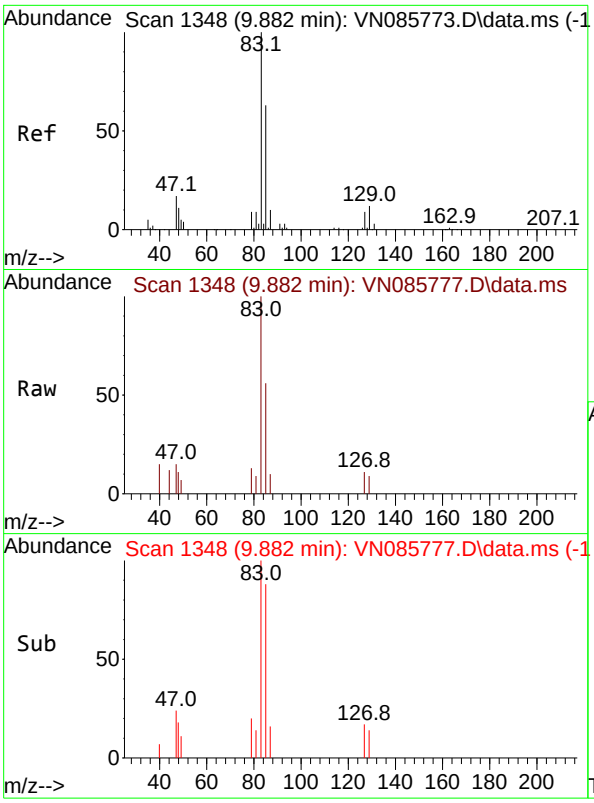


#46
Dibromomethane
Concen: 0.957 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 93 Resp: 2304

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.7	100.1
174	90.5	77.2	115.8



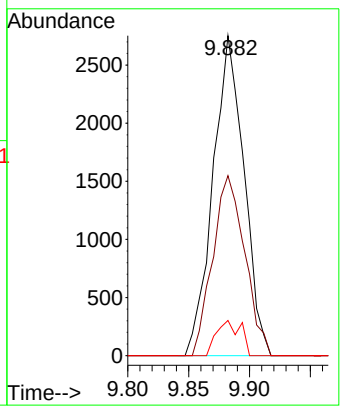


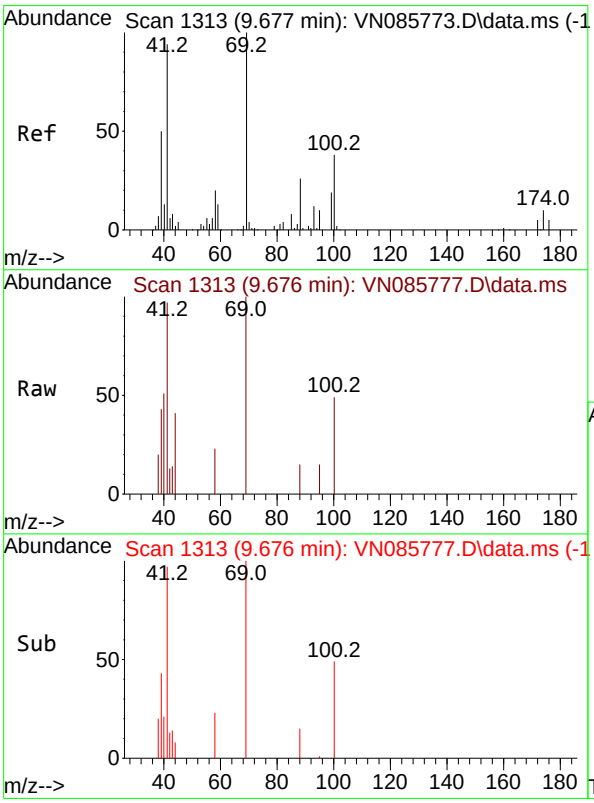
#47
Bromodichloromethane
Concen: 0.947 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4879

Ion	Ratio	Lower	Upper
83	100		
85	56.2	50.5	75.7
127	11.0	7.2	10.8#

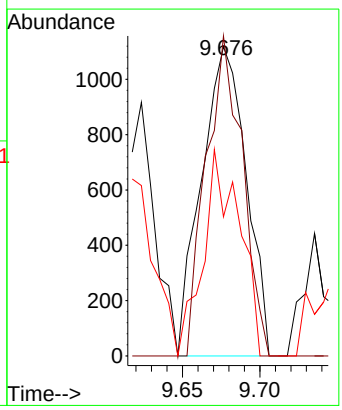


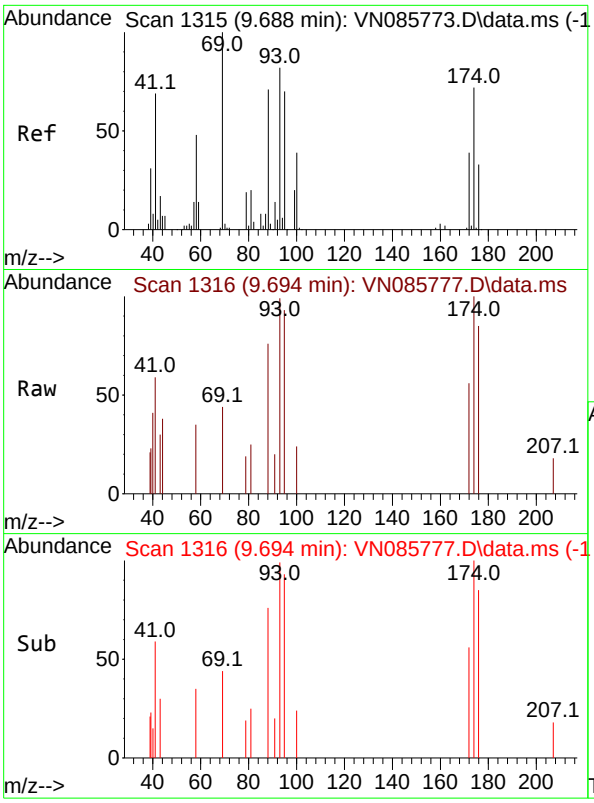


#48
Methyl methacrylate
Concen: 0.833 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 41 Resp: 2247

Ion	Ratio	Lower	Upper
41	100		
69	83.9	76.0	114.0
39	53.9	42.3	63.5



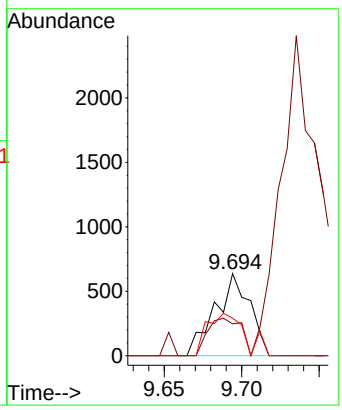


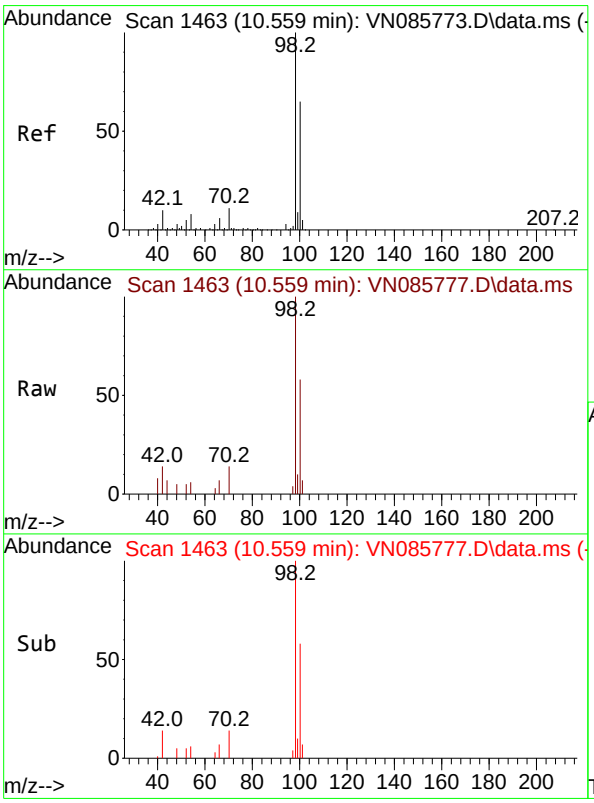
#49
1,4-Dioxane
Concen: 19.344 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 992

Ion	Ratio	Lower	Upper
88	100		
43	43.8	18.6	27.8#
58	55.7	56.7	85.1#

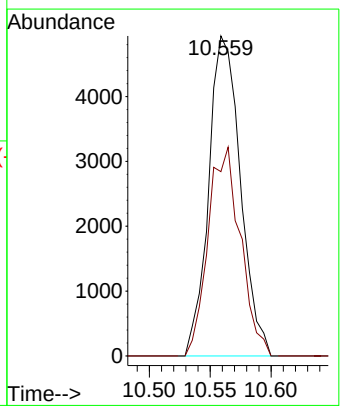


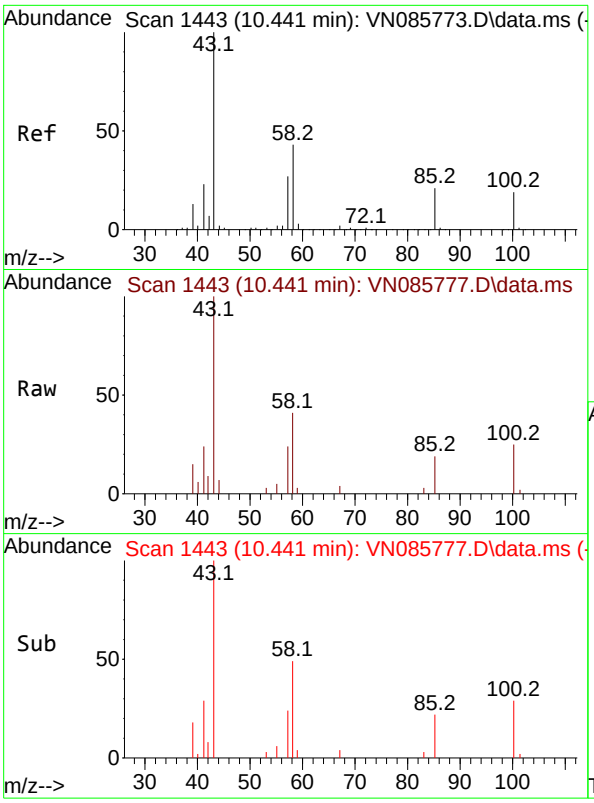


#50
Toluene-d8
Concen: 0.790 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 98 Resp: 8958

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1



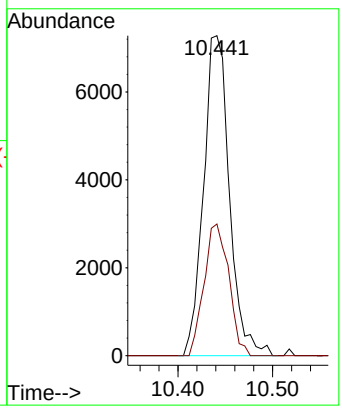


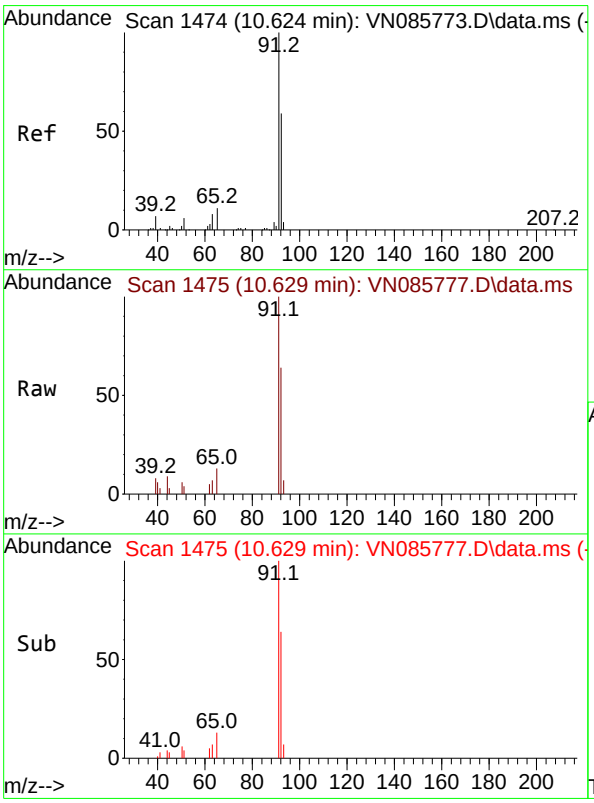
#51
4-Methyl-2-Pentanone
Concen: 3.951 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 13832

Ion	Ratio	Lower	Upper
43	100		
58	39.3	34.6	52.0

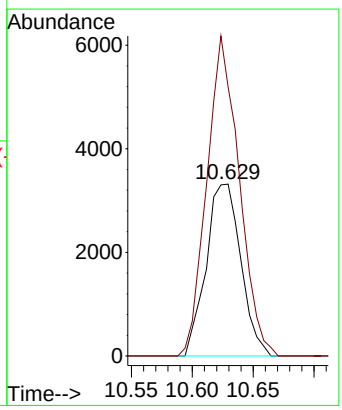


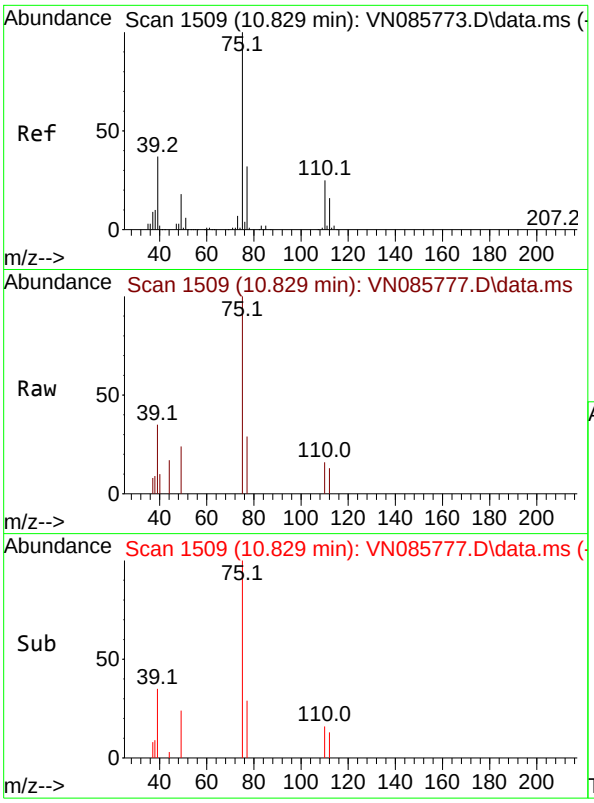


#52
Toluene
Concen: 0.792 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 92 Resp: 6568

Ion	Ratio	Lower	Upper
92	100		
91	173.8	136.9	205.3



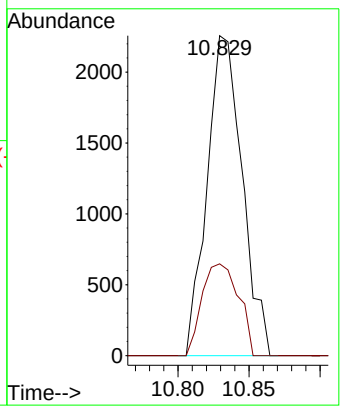


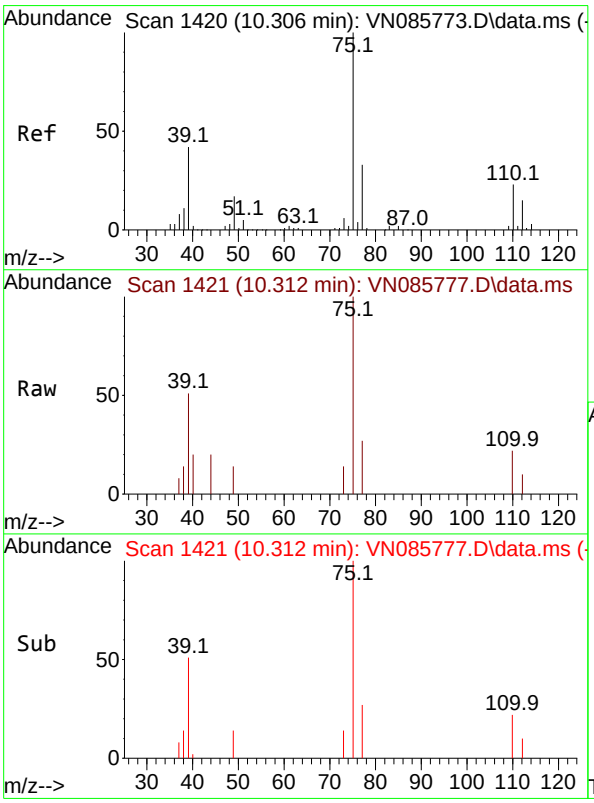
#53
t-1,3-Dichloropropene
Concen: 0.815 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 3884

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.4	38.0

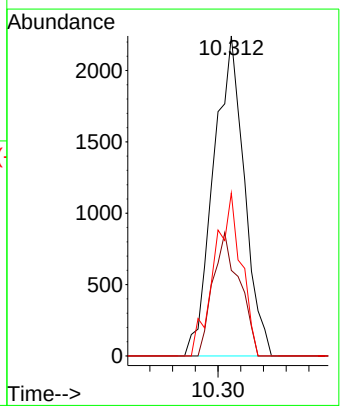


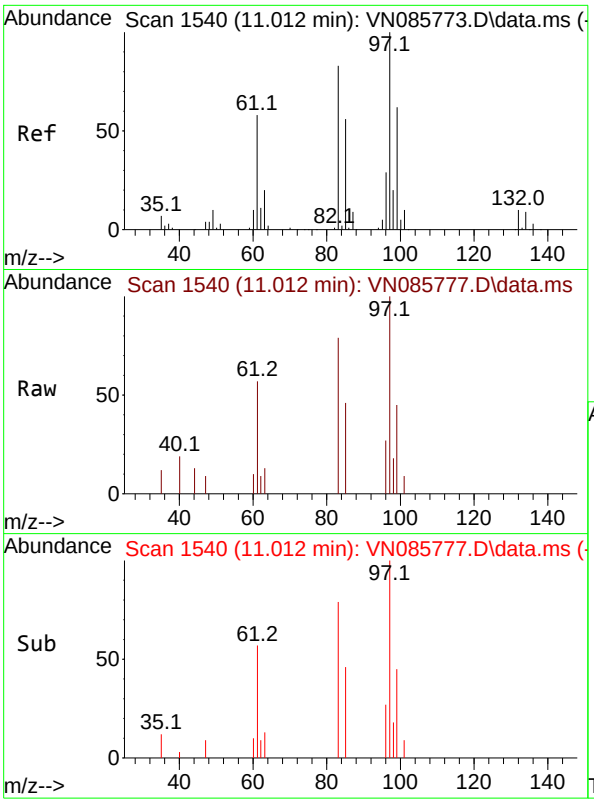


#54
cis-1,3-Dichloropropene
Concen: 0.806 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 4211

Ion	Ratio	Lower	Upper
75	100		
77	26.8	26.1	39.1
39	50.9	33.4	50.0#



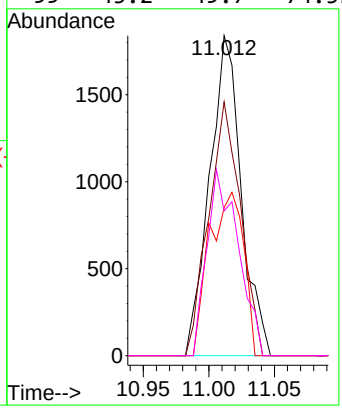


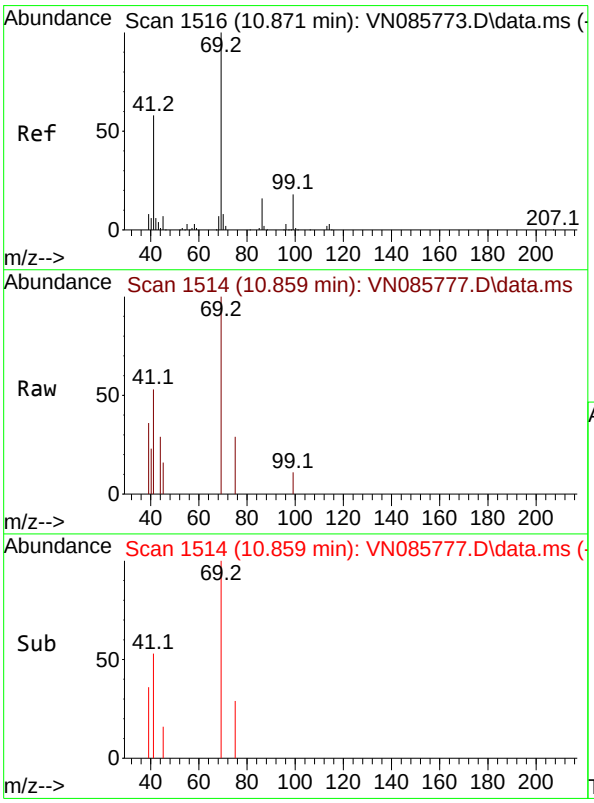
#55
1,1,2-Trichloroethane
Concen: 0.936 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 3084

Ion	Ratio	Lower	Upper
97	100		
83	79.3	66.1	99.1
85	46.3	44.7	67.1
99	45.2	49.7	74.5#

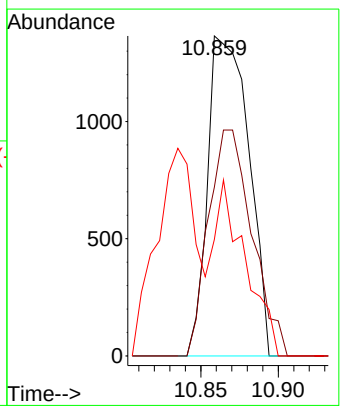


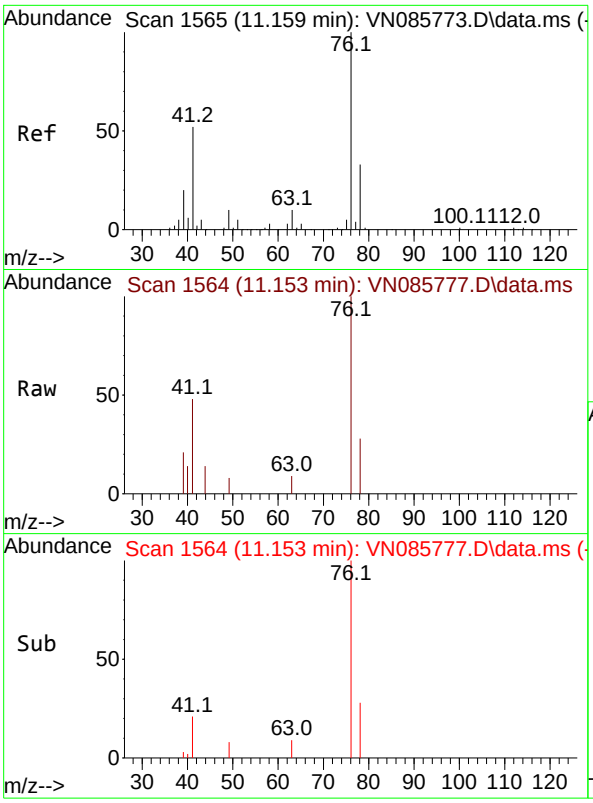


#56
Ethyl methacrylate
Concen: 1.052 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 69 Resp: 2517

Ion	Ratio	Lower	Upper
69	100		
41	75.0	46.0	69.0#
39	41.8	22.0	33.0#



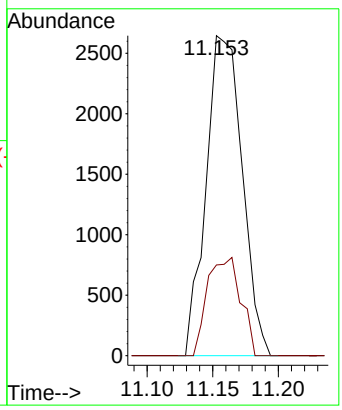


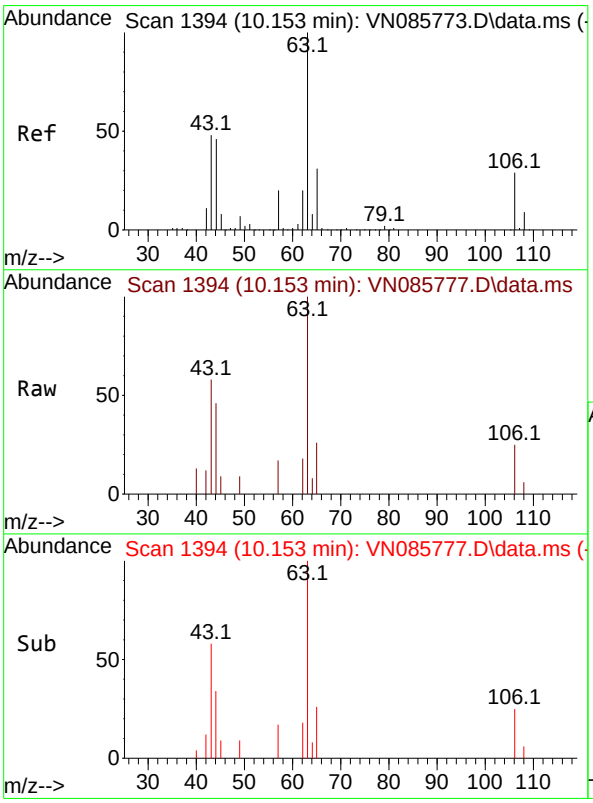
#57
1,3-Dichloropropane
Concen: 0.923 ug/l
RT: 11.153 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 5078

Ion	Ratio	Lower	Upper
76	100		
78	28.3	25.9	38.9

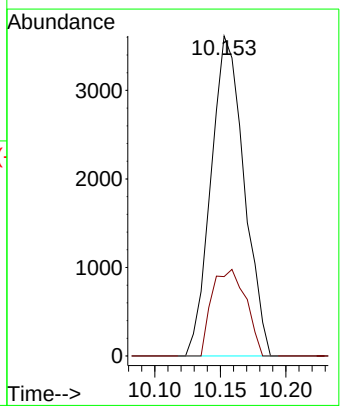


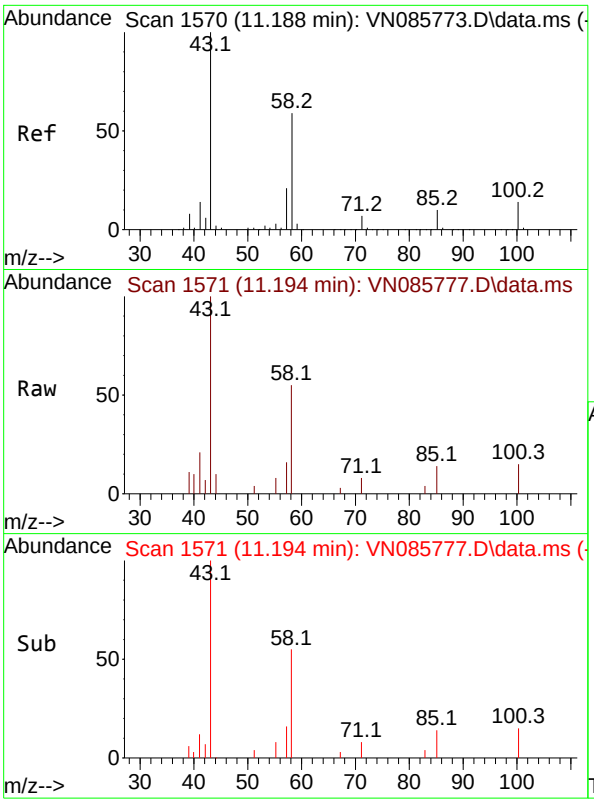


#58
2-Chloroethyl Vinyl ether
Concen: 3.424 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 63 Resp: 6353

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.7	34.1



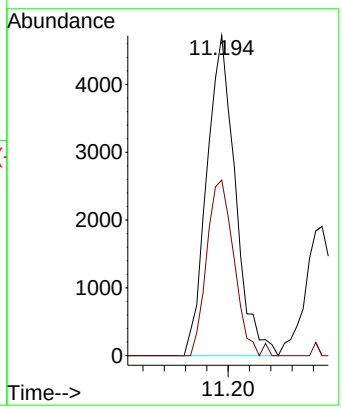


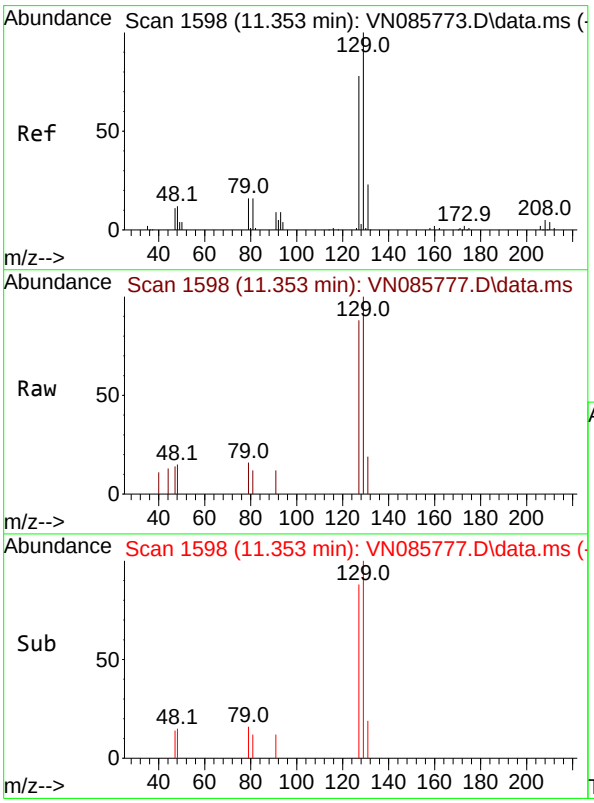
#59
2-Hexanone
Concen: 3.646 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8780

Ion	Ratio	Lower	Upper
43	100		
58	52.6	29.8	89.5

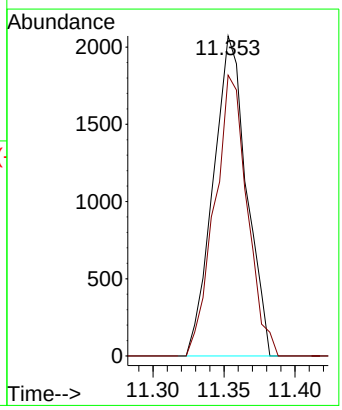


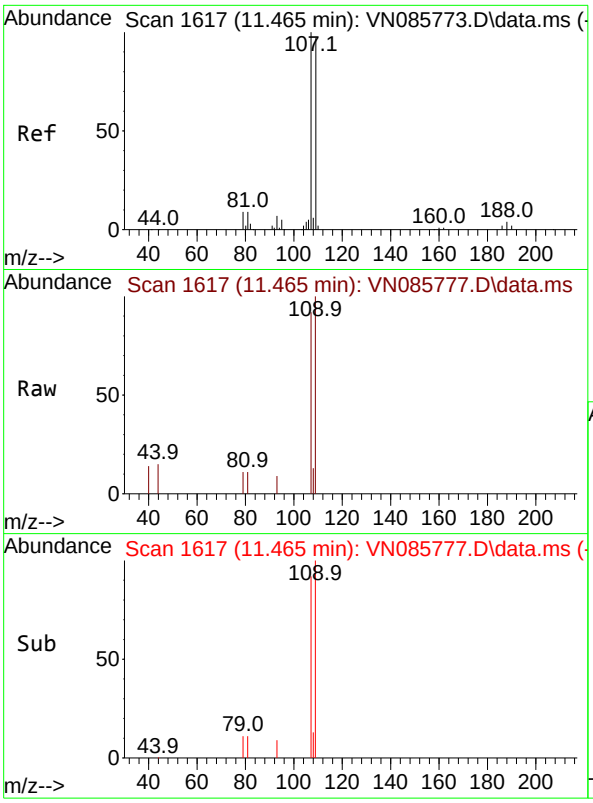


#60
Dibromochloromethane
Concen: 0.881 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:129 Resp: 3380

Ion	Ratio	Lower	Upper
129	100		
127	85.8	39.1	117.5



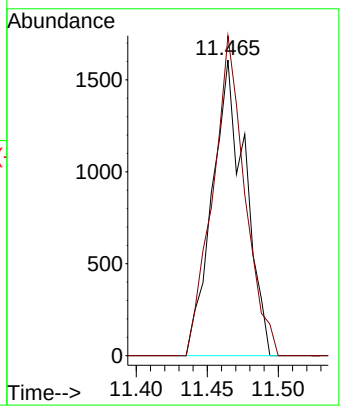


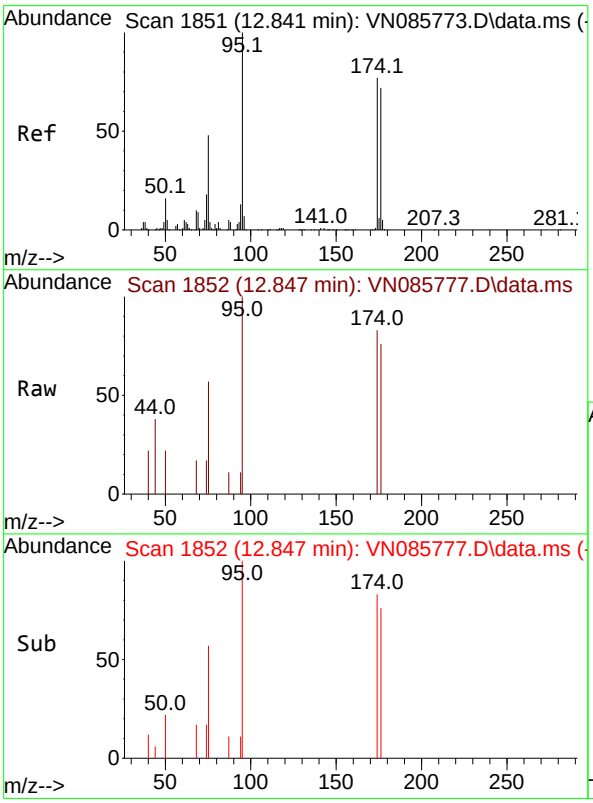
#61
1,2-Dibromoethane
Concen: 0.835 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2599

Ion	Ratio	Lower	Upper
107	100		
109	105.4	76.0	114.0

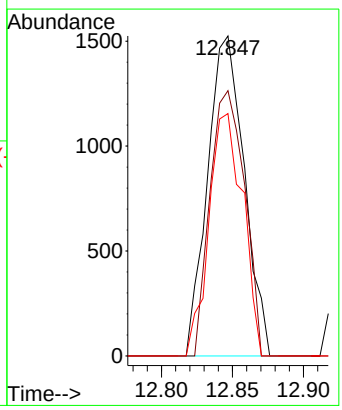


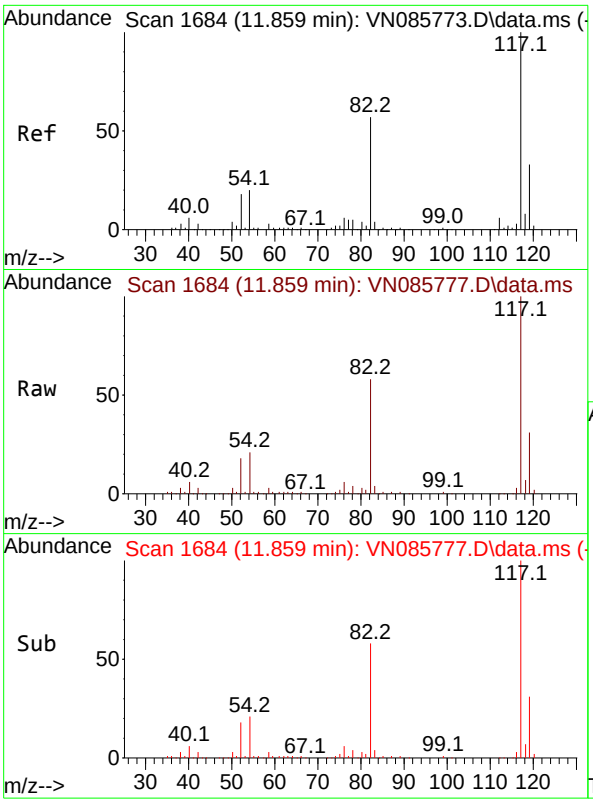


#62
4-Bromofluorobenzene
Concen: 0.733 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 95 Resp: 2740

Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	152.4
176	70.0	0.0	146.6



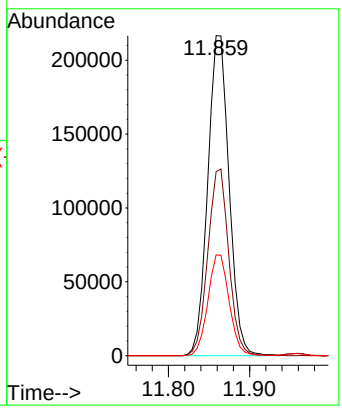


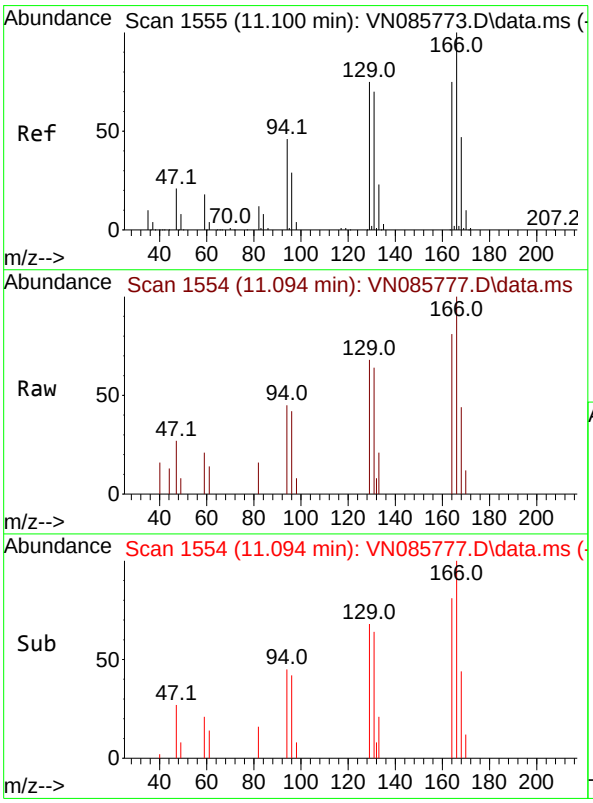
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 394997

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	31.5	26.2	39.2

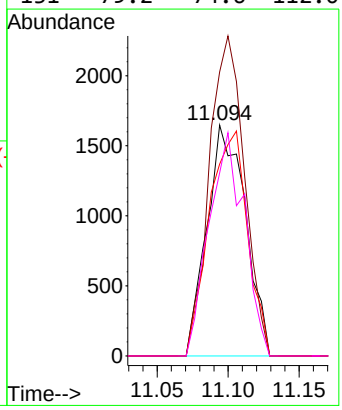


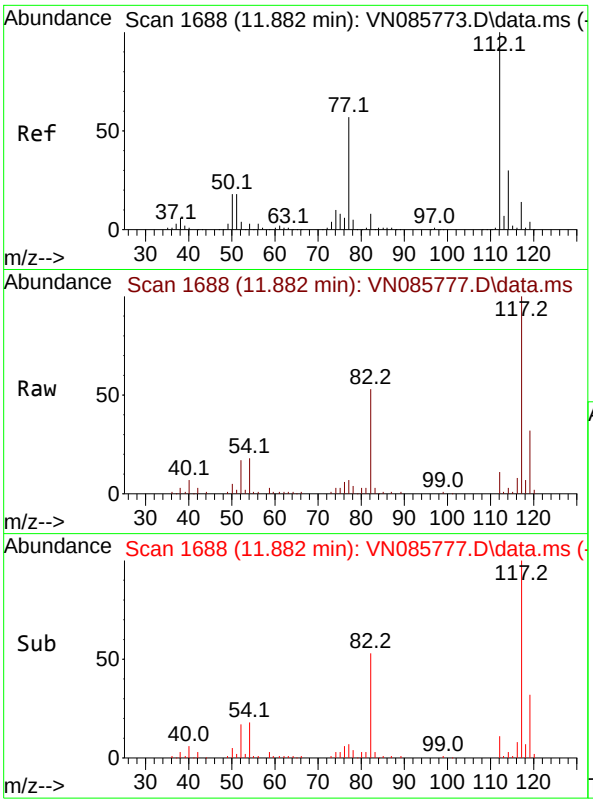


#64
Tetrachloroethene
Concen: 1.016 ug/l
RT: 11.094 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:164 Resp: 3108

Ion	Ratio	Lower	Upper
164	100		
166	123.0	107.2	160.8
129	83.1	80.7	121.1
131	79.2	74.6	112.0



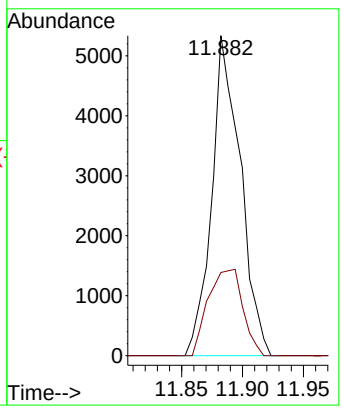


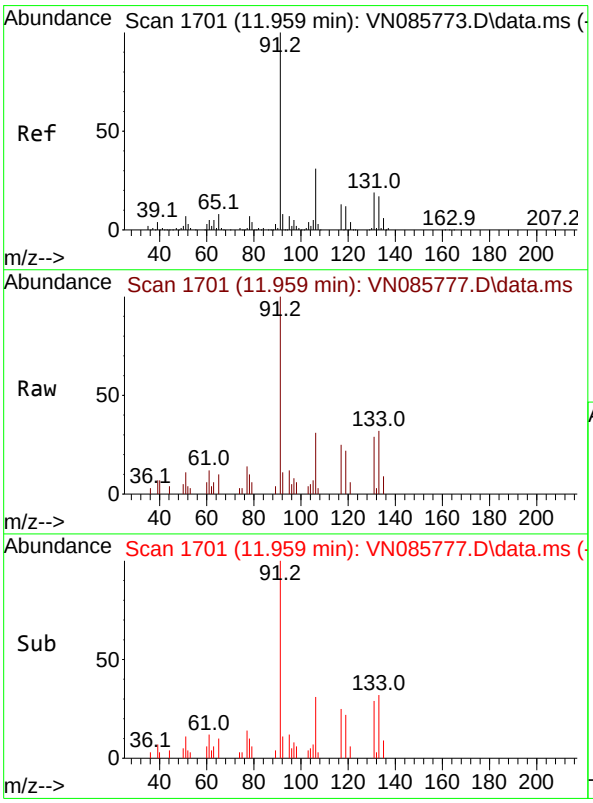
#65
Chlorobenzene
Concen: 0.968 ug/l
RT: 11.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8761

Ion	Ratio	Lower	Upper
112	100		
114	26.0	24.3	36.5

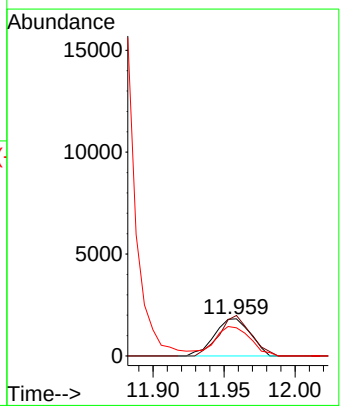


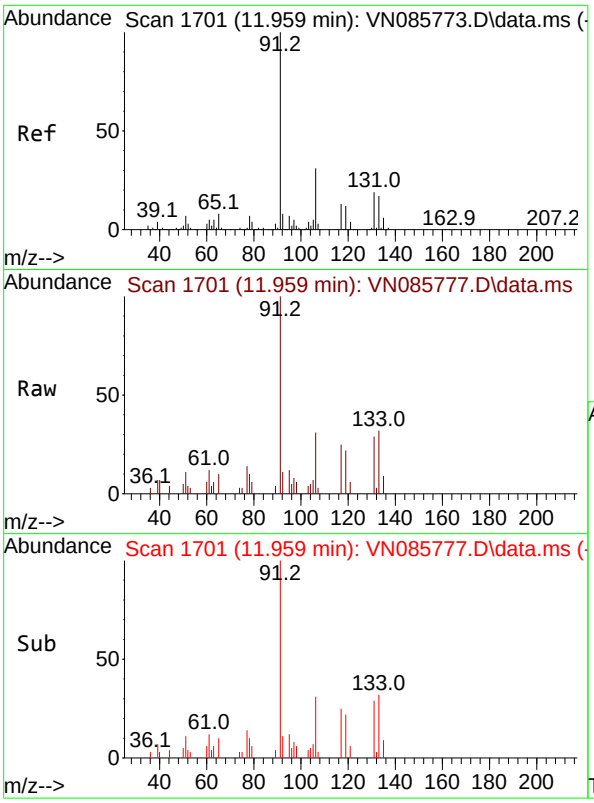


#66
1,1,1,2-Tetrachloroethane
Concen: 0.991 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:131 Resp: 3222

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	0.0	33.3	99.8#



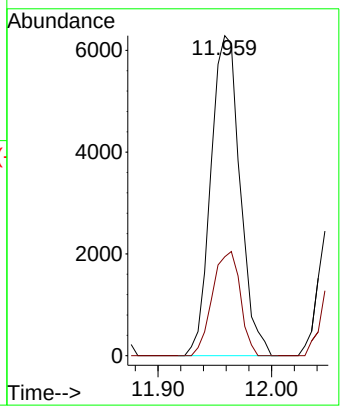


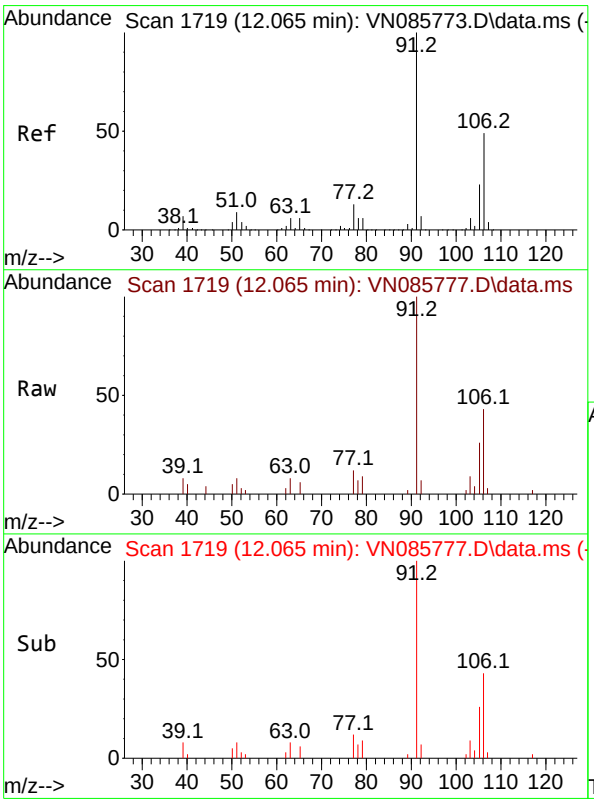
#67
Ethyl Benzene
Concen: 0.793 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 11246

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1

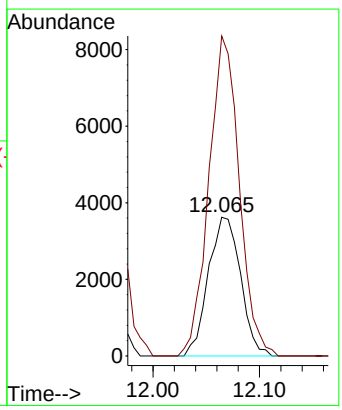


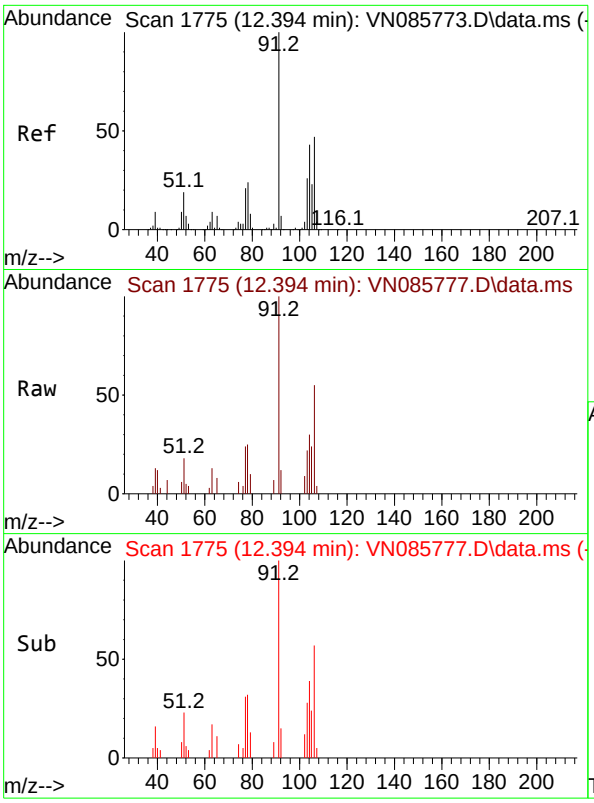


#68
m/p-Xylenes
Concen: 1.413 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:106 Resp: 7606

Ion	Ratio	Lower	Upper
106	100		
91	218.1	163.3	244.9



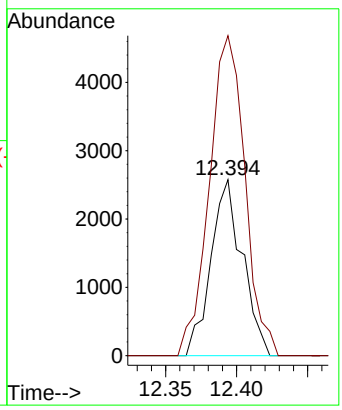


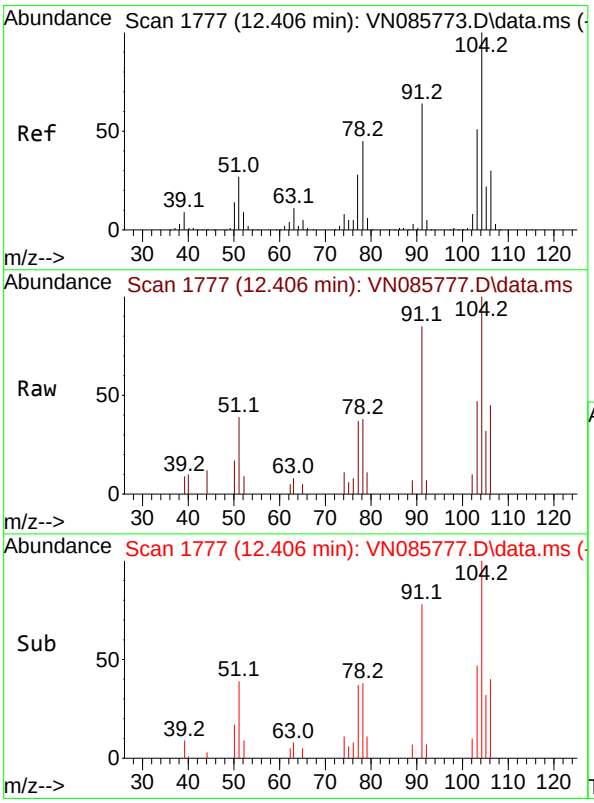
#69
o-Xylene
Concen: 0.775 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 3965

Ion	Ratio	Lower	Upper
106	100		
91	206.1	107.1	321.4

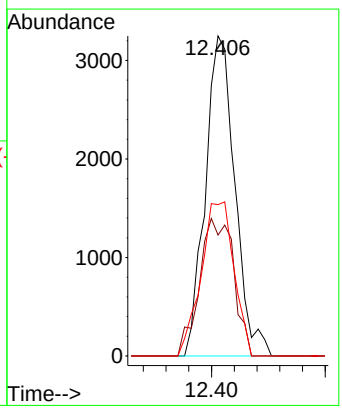


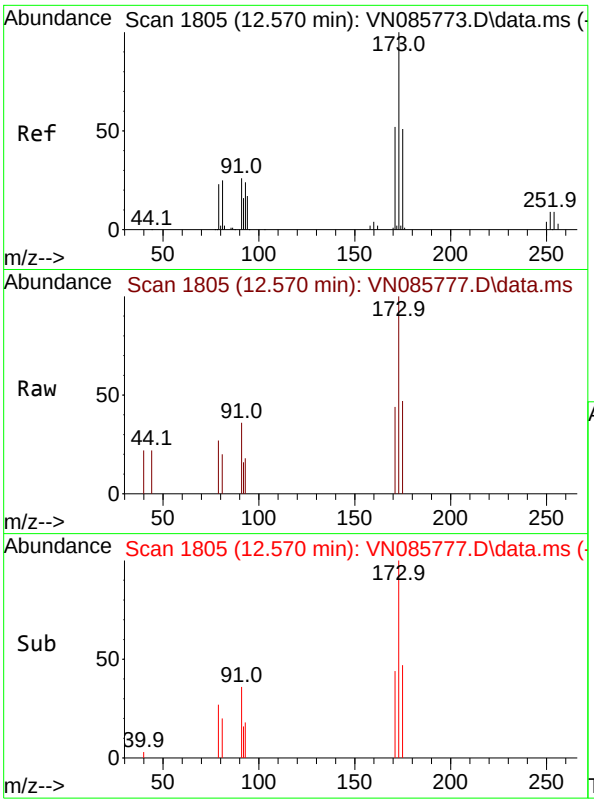


#70
Styrene
Concen: 1.257 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:104 Resp: 5877

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.0	58.6
103	53.4	43.3	64.9



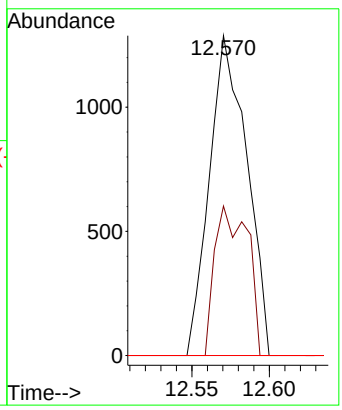


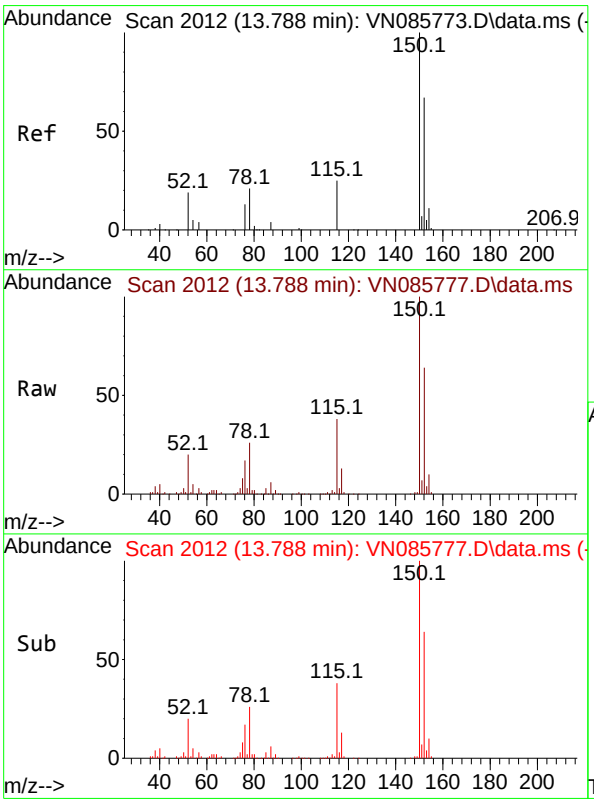
#71
Bromoform
Concen: 0.894 ug/l
RT: 12.570 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 2161

Ion	Ratio	Lower	Upper
173	100		
175	41.3	25.1	75.4
254	0.0	0.0	0.0

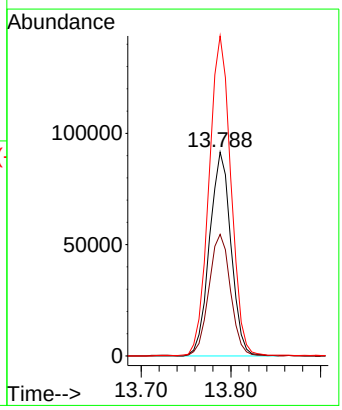


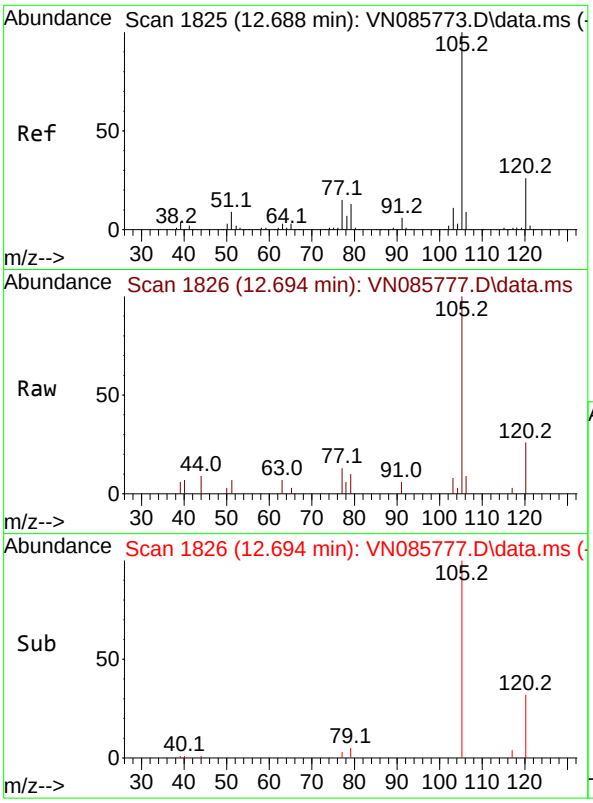


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:152 Resp: 152224

Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.4	91.3
150	160.8	0.0	345.4



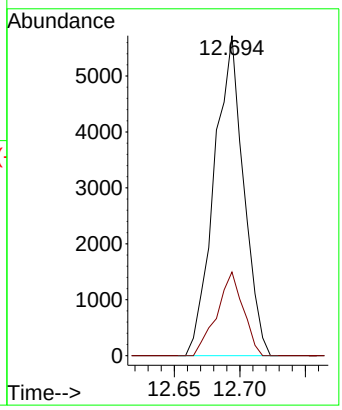


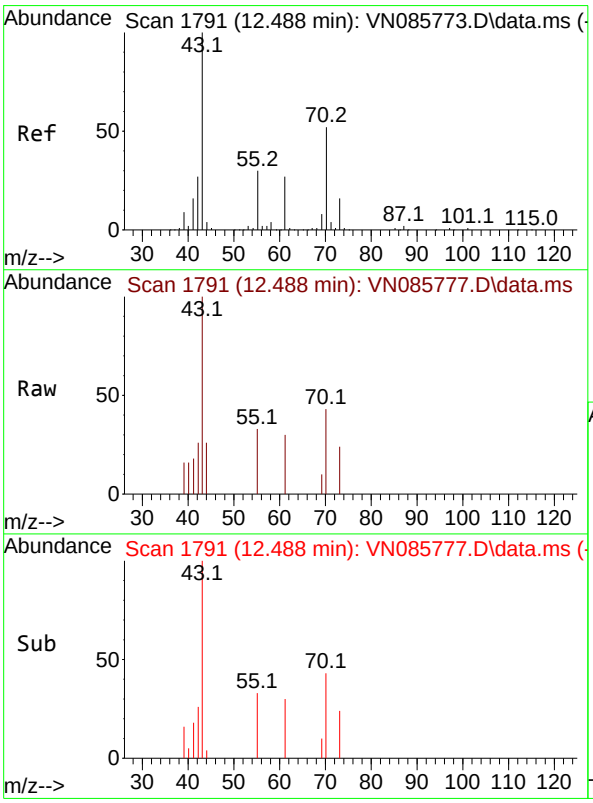
#73
Isopropylbenzene
Concen: 0.856 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 8928

Ion	Ratio	Lower	Upper
105	100		
120	23.4	13.0	39.0

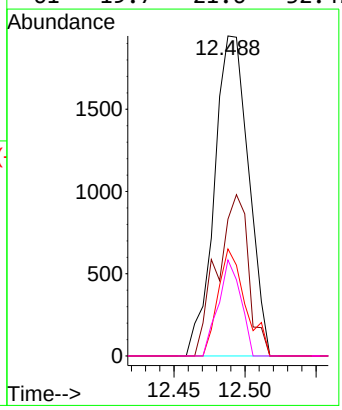


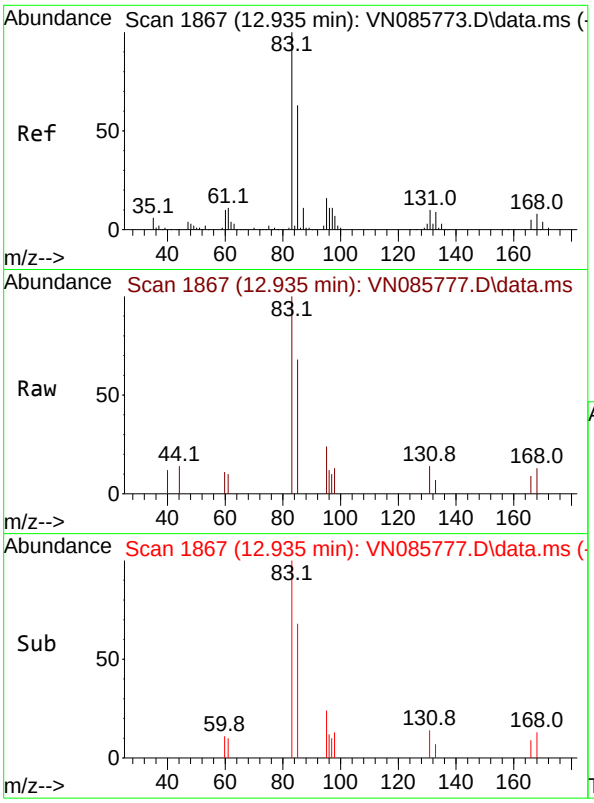


#74
N-amyl acetate
Concen: 0.887 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 43 Resp: 3263

Ion	Ratio	Lower	Upper
43	100		
70	46.2	41.0	61.4
55	26.7	24.6	36.8
61	19.7	21.6	32.4#



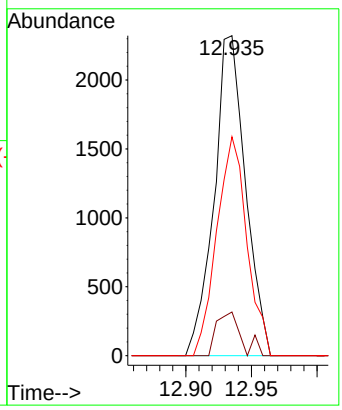


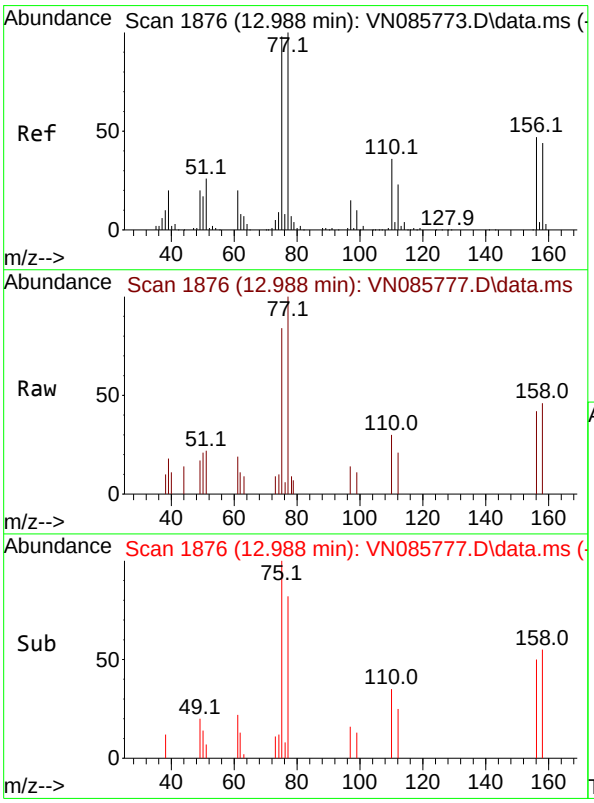
#75
1,1,2,2-Tetrachloroethane
Concen: 1.078 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3870

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.5	32.2	96.6

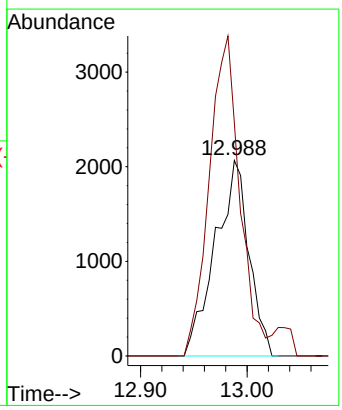


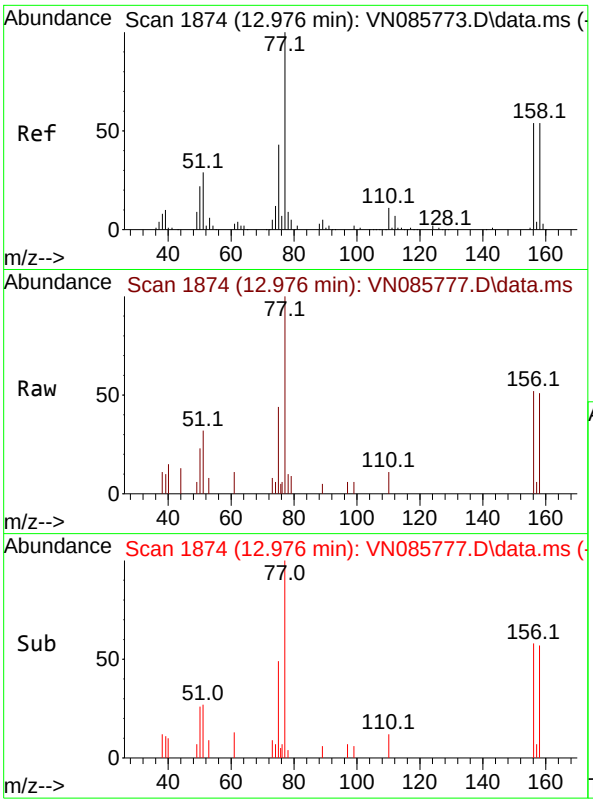


#76
1,2,3-Trichloropropane
Concen: 1.355 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 4532

Ion	Ratio	Lower	Upper
75	100		
77	148.5	100.0	300.0



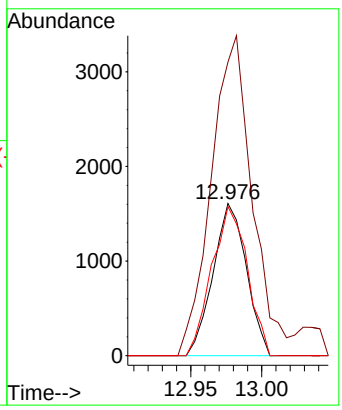


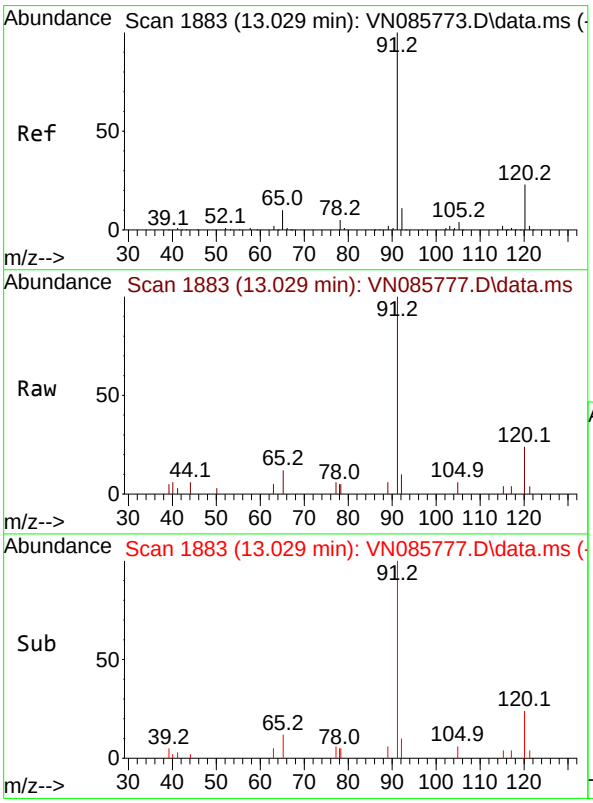
#77
Bromobenzene
Concen: 0.931 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 2624

Ion	Ratio	Lower	Upper
156	100		
77	256.5	104.1	312.3
158	104.8	48.1	144.4

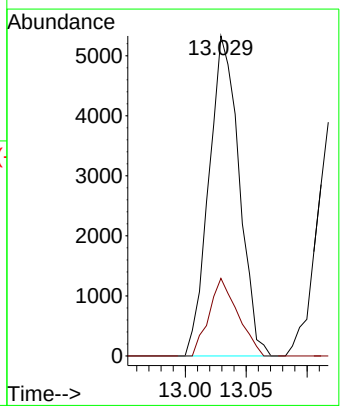


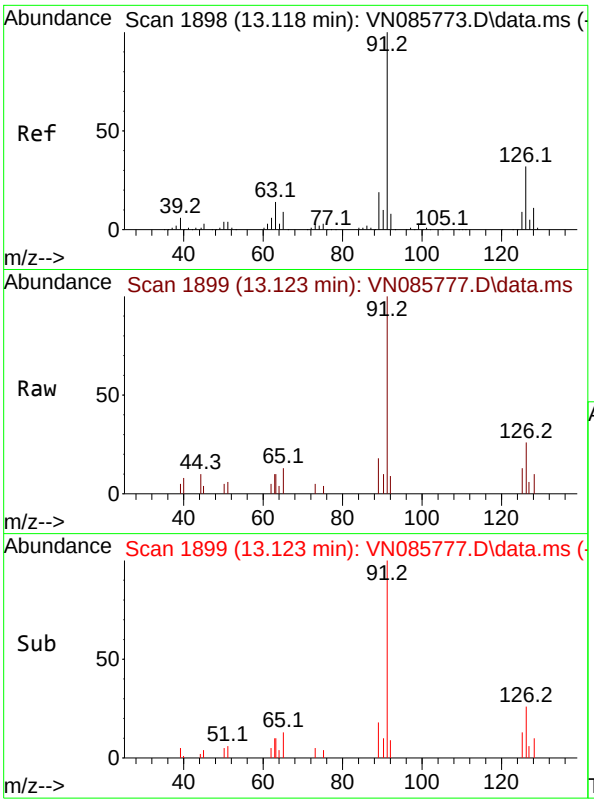


#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 91 Resp: 9228

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8



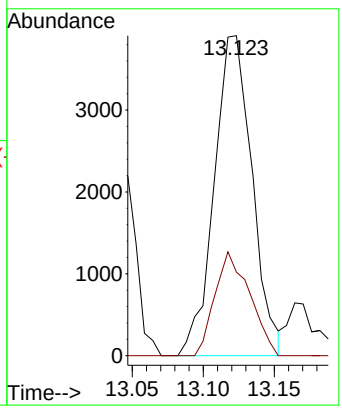


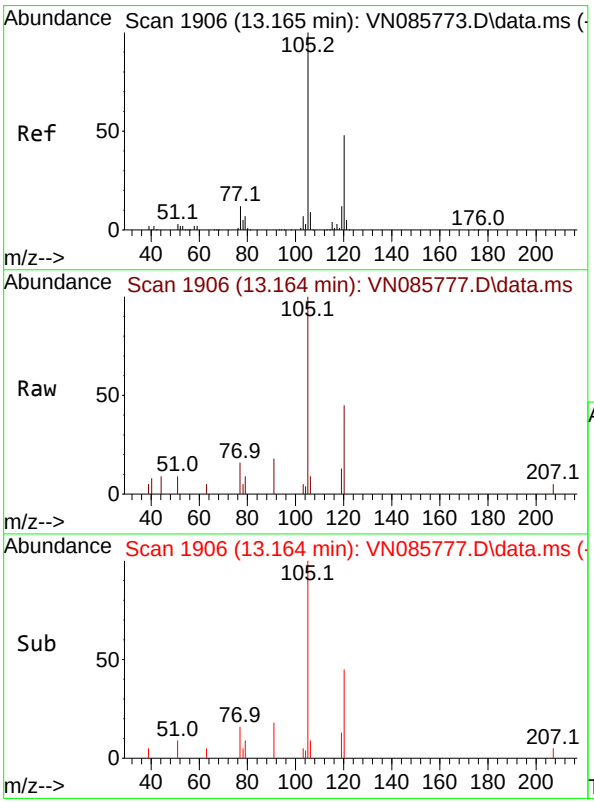
#79
2-Chlorotoluene
Concen: 0.910 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 7260

Ion	Ratio	Lower	Upper
91	100		
126	29.8	16.4	49.1

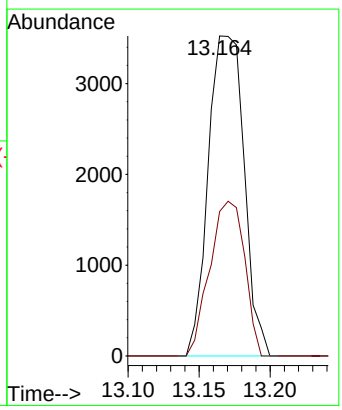


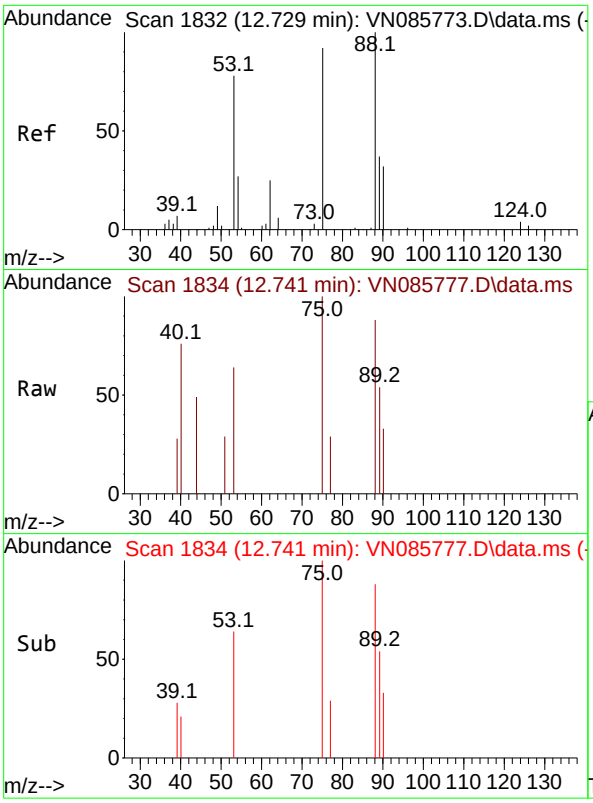


#80
1,3,5-Trimethylbenzene
Concen: 0.728 ug/l
RT: 13.164 min Scan# 1906
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:105 Resp: 6185

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.3	72.9



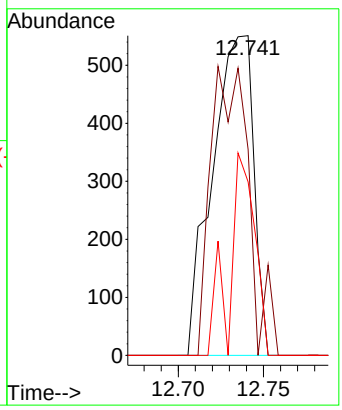


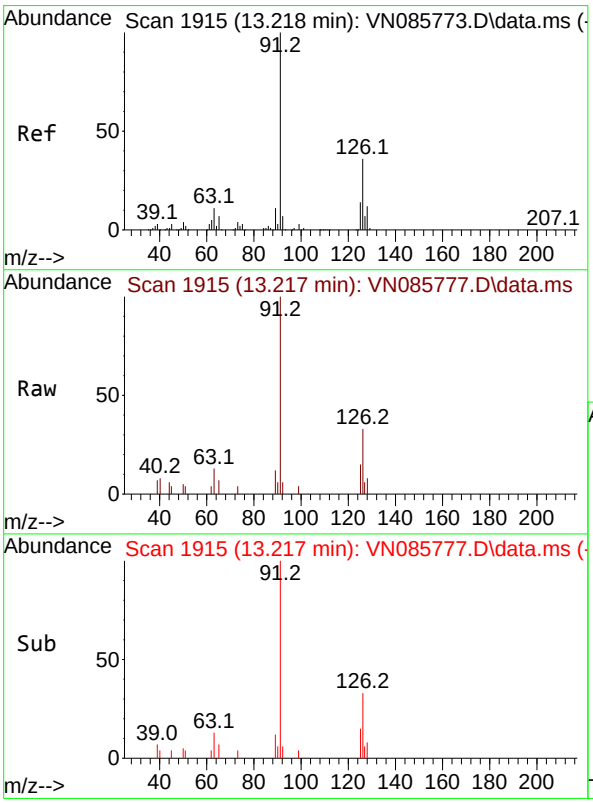
#81
trans-1,4-Dichloro-2-butene
Concen: 0.805 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 933

Ion	Ratio	Lower	Upper
75	100		
53	83.1	74.2	111.4
89	38.6	34.9	52.3

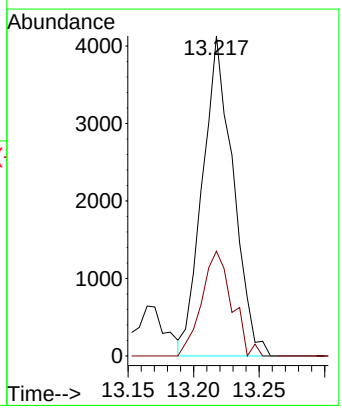


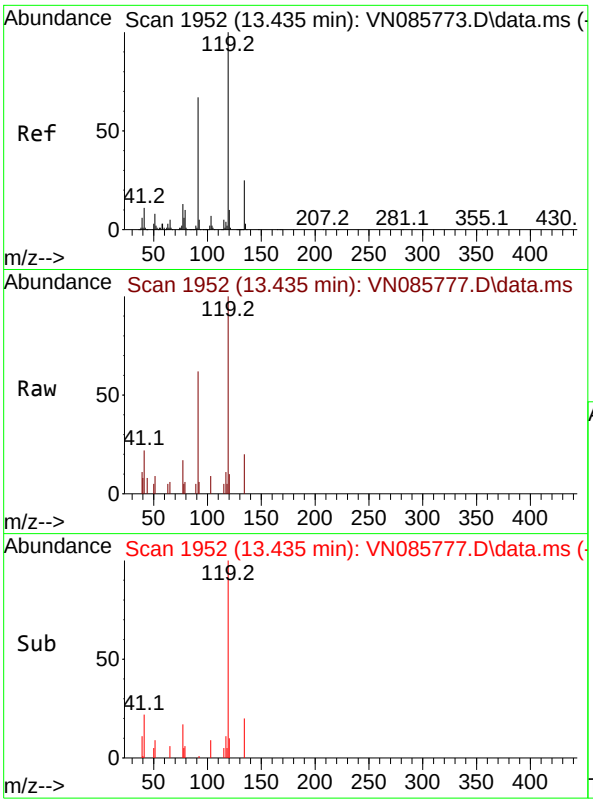


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 91 Resp: 6700

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4



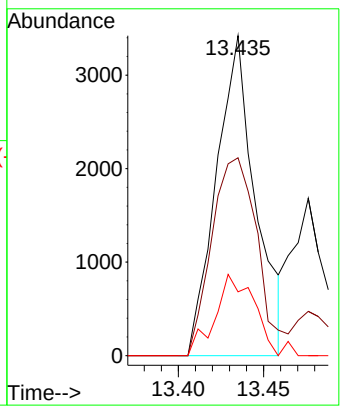


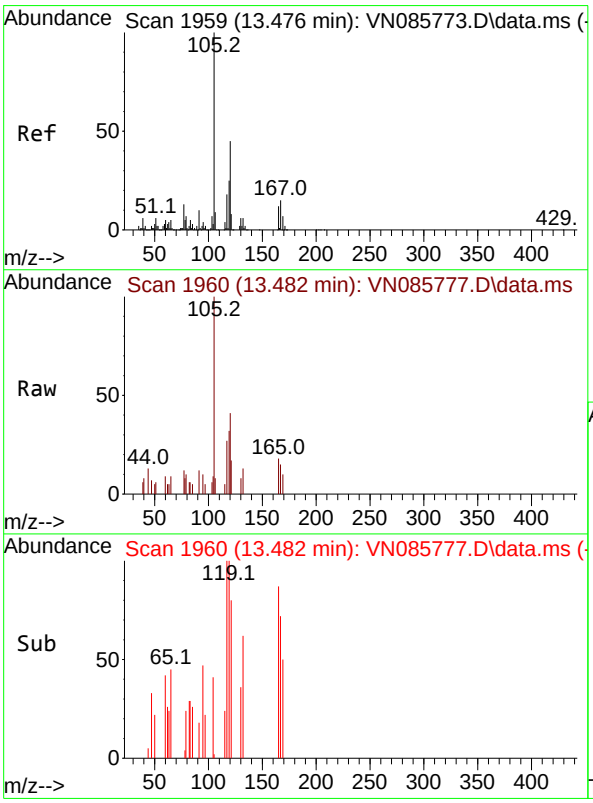
#83
tert-Butylbenzene
Concen: 0.768 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 5485

Ion	Ratio	Lower	Upper
119	100		
91	72.3	32.5	97.5
134	26.0	13.3	39.9

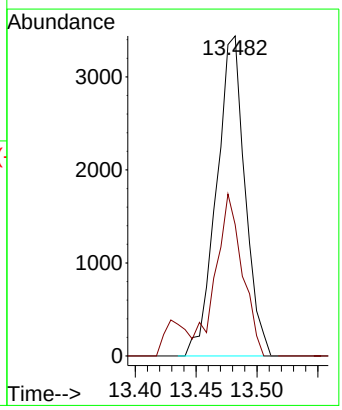


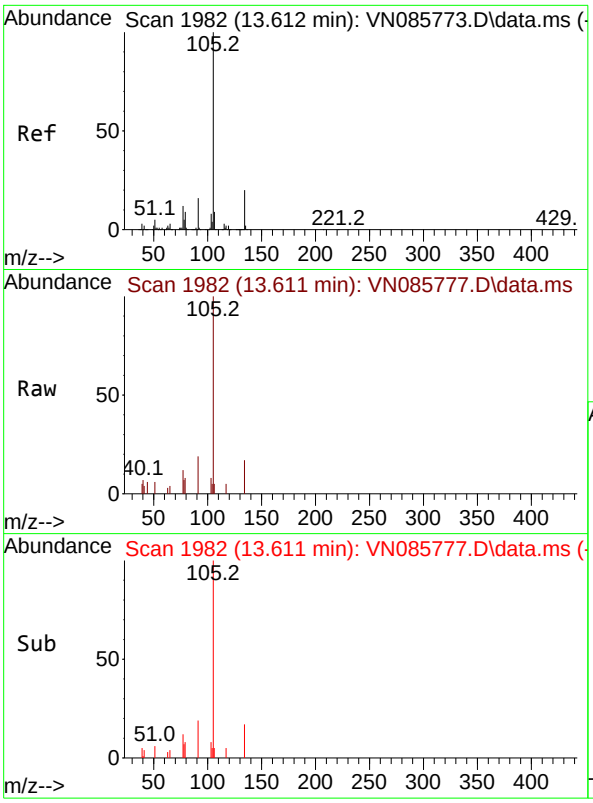


#84
1,2,4-Trimethylbenzene
Concen: 0.666 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:105 Resp: 5595

Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.4	67.3



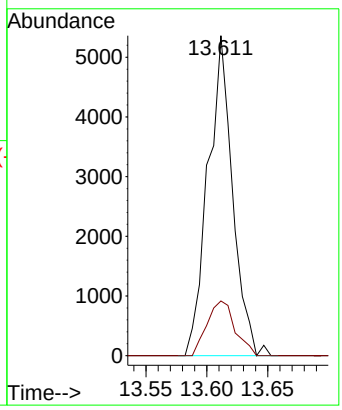


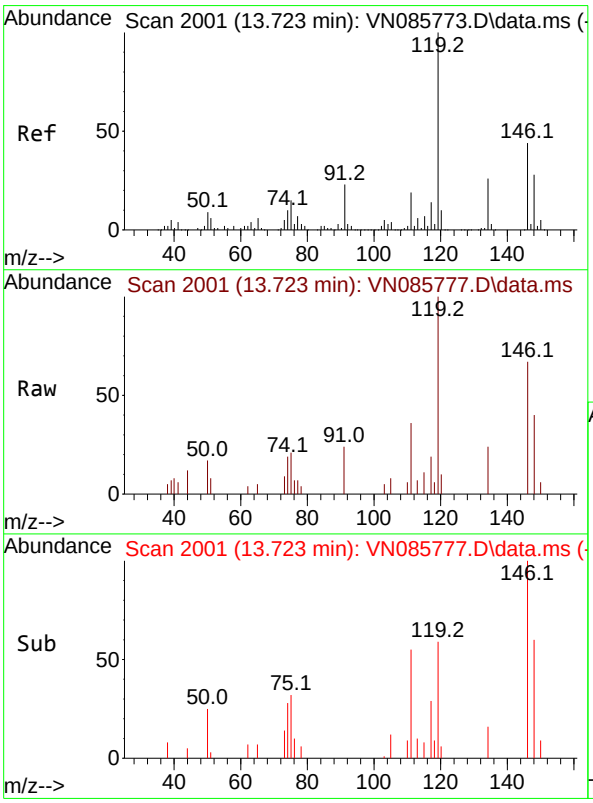
#85
sec-Butylbenzene
Concen: 0.750 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 7569

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

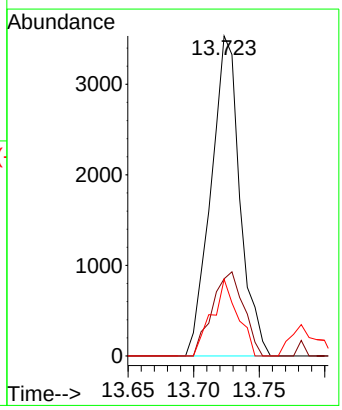


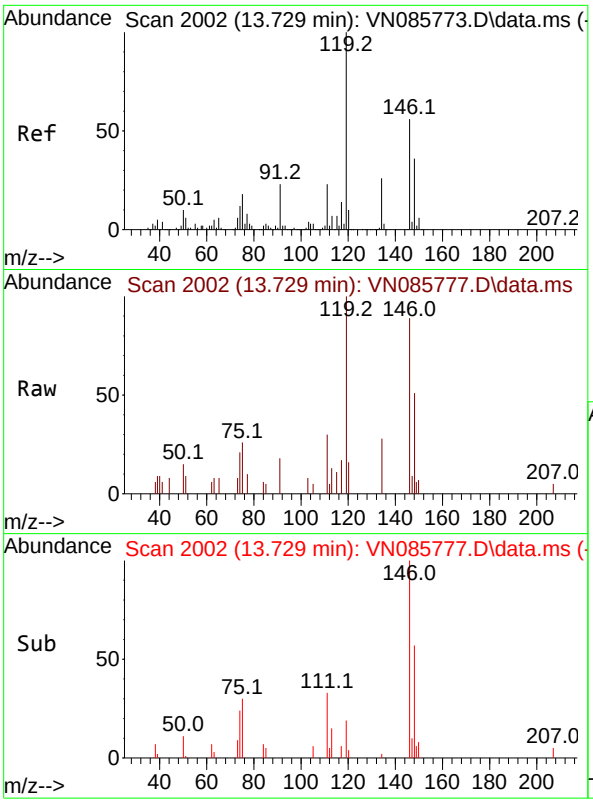


#86
p-Isopropyltoluene
Concen: 1.252 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:119 Resp: 5416

Ion	Ratio	Lower	Upper
119	100		
134	28.5	13.0	39.0
91	21.2	11.7	35.1



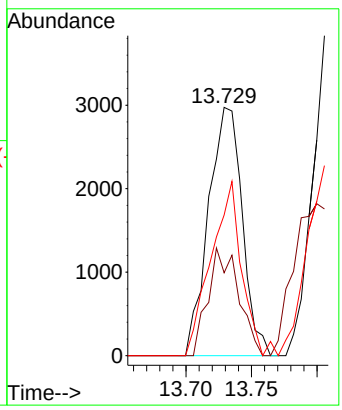


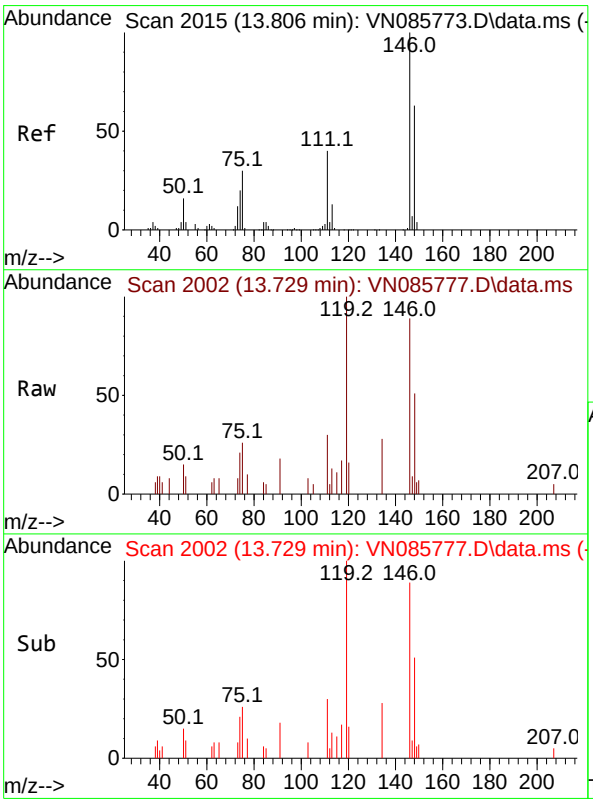
#87
1,3-Dichlorobenzene
Concen: 1.008 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5321

Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.3
148	63.9	32.1	96.5

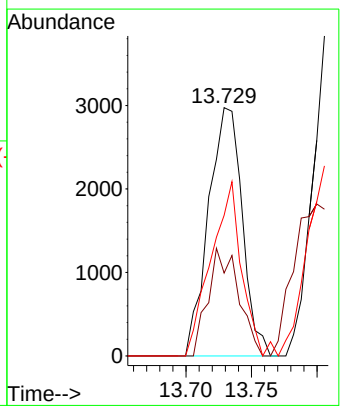


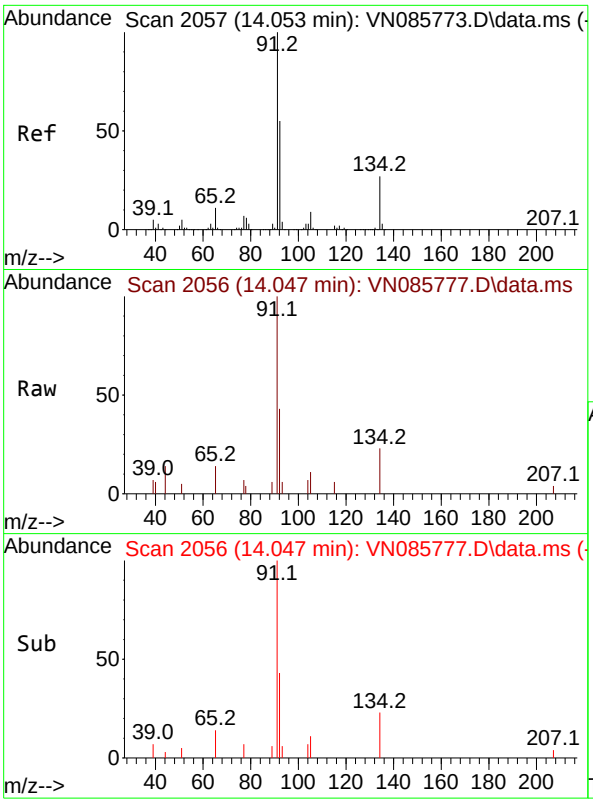


#88
1,4-Dichlorobenzene
Concen: 0.983 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.077 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:146 Resp: 5321

Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.4	61.3
148	63.9	31.8	95.4



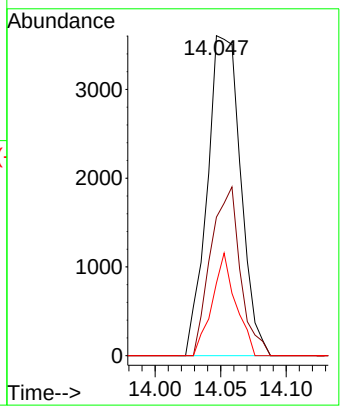


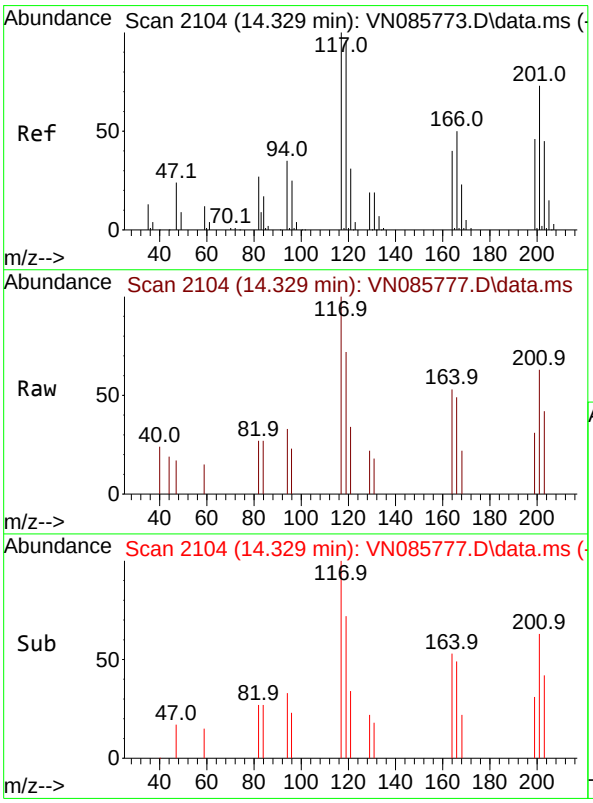
#89
n-Butylbenzene
Concen: 0.893 ug/l
RT: 14.047 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6398

Ion	Ratio	Lower	Upper
91	100		
92	46.6	27.1	81.3
134	22.6	12.7	38.1

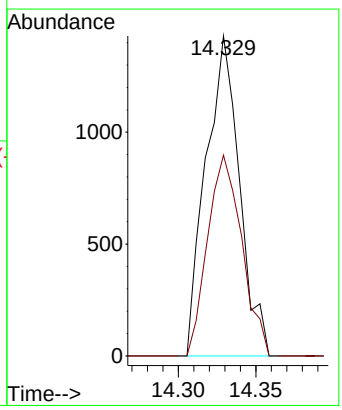


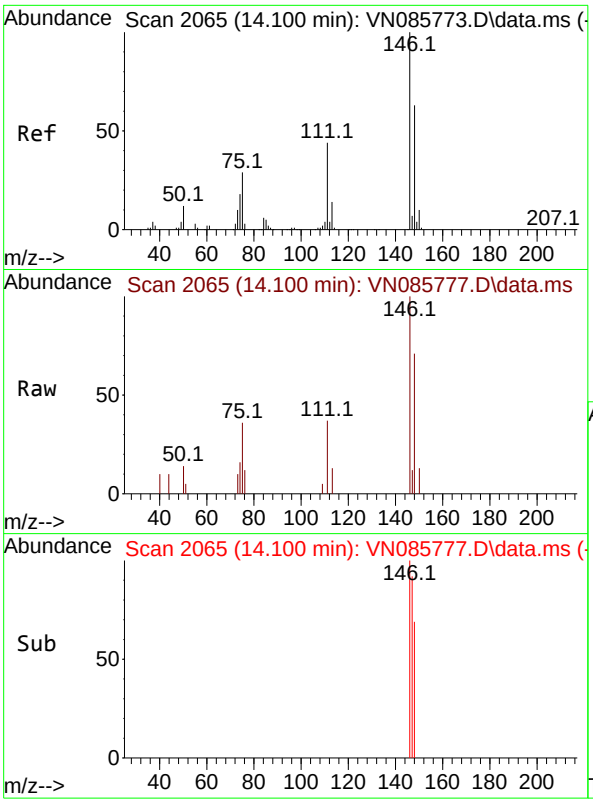


#90
Hexachloroethane
Concen: 1.126 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:117 Resp: 2153

Ion	Ratio	Lower	Upper
117	100		
201	63.9	35.6	106.9



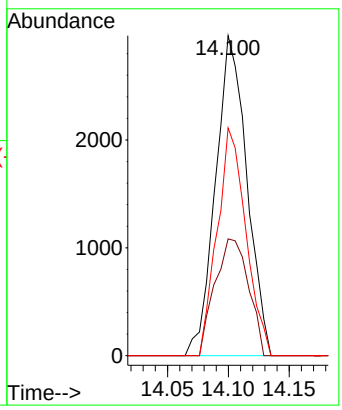


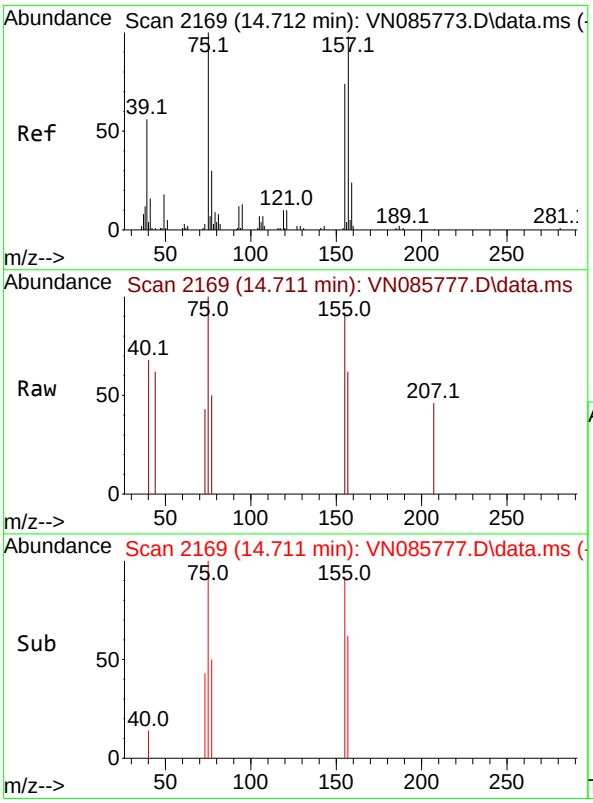
#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5309

Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.4	64.3
148	65.3	32.0	96.2

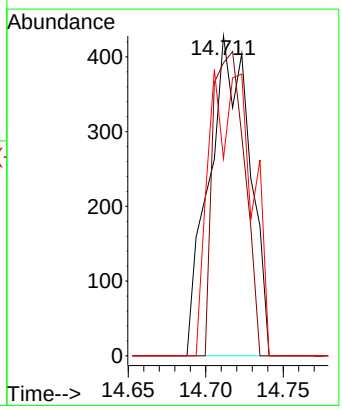


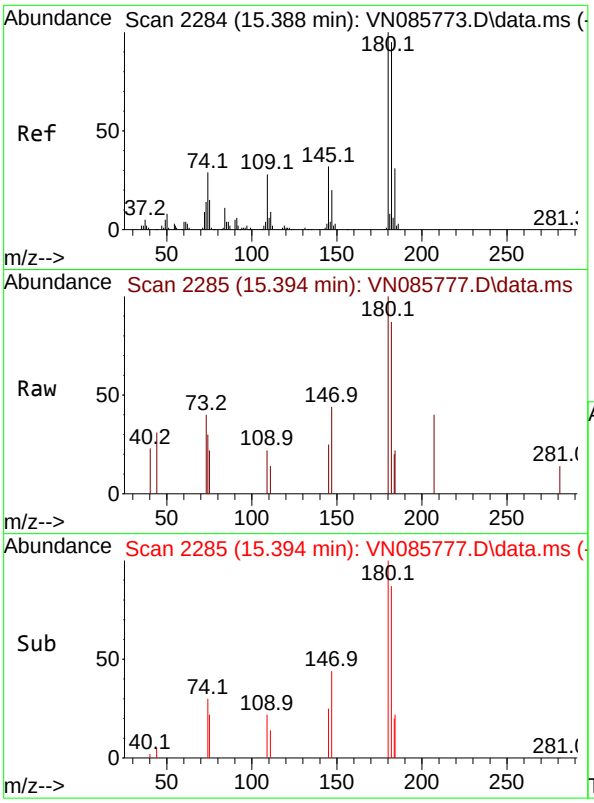


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.184 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion: 75 Resp: 780

Ion	Ratio	Lower	Upper
75	100		
155	73.8	39.9	119.6
157	92.8	49.9	149.7



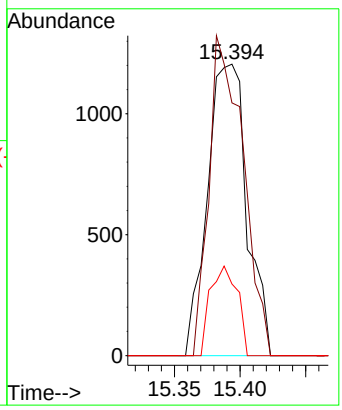


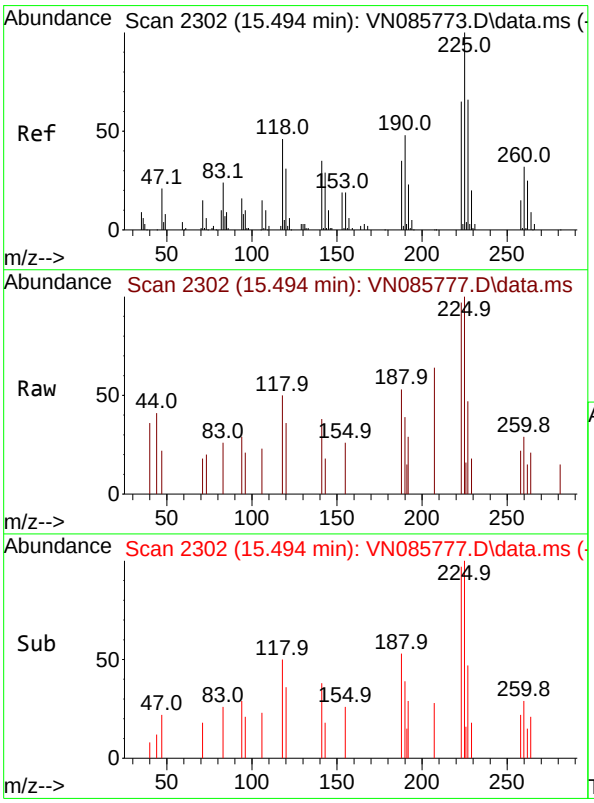
#93
1,2,4-Trichlorobenzene
Concen: 1.044 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 2525

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	21.0	16.2	48.5

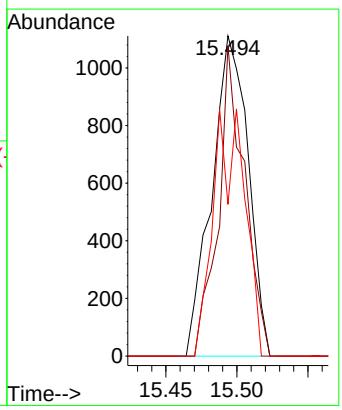


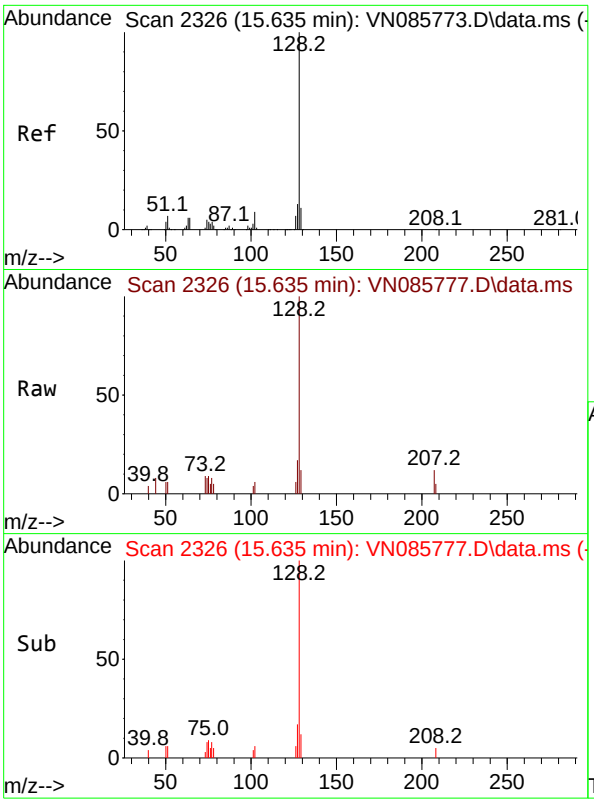


#94
Hexachlorobutadiene
Concen: 1.344 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:225 Resp: 1976

Ion	Ratio	Lower	Upper
225	100		
223	70.2	31.9	95.5
227	66.8	32.2	96.6



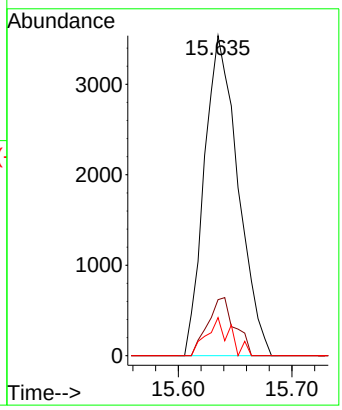


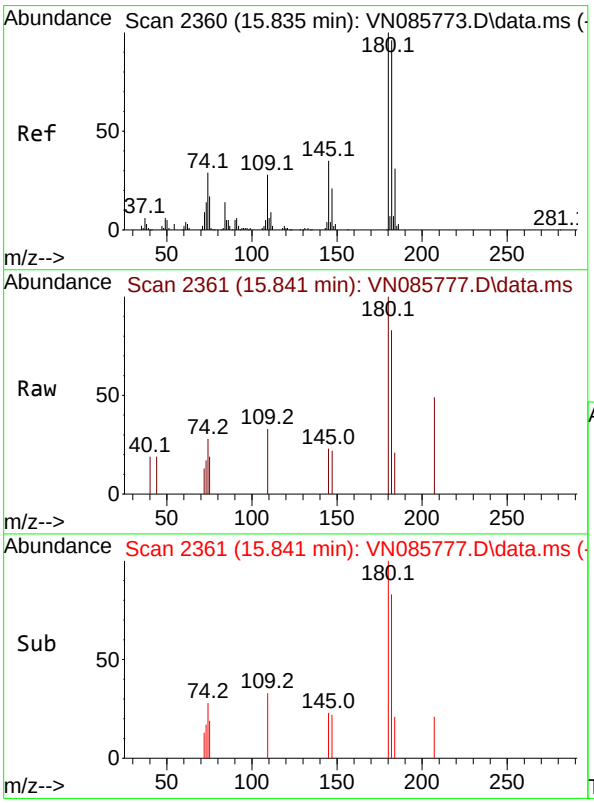
#95
Naphthalene
Concen: 1.099 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 7298

Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.2
129	8.3	8.7	13.1#

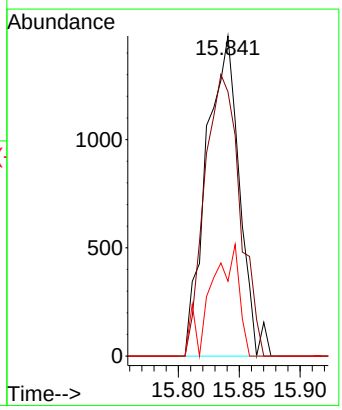




#96
1,2,3-Trichlorobenzene
Concen: 1.149 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085777.D
Acq: 18 Feb 2025 13:07

Tgt Ion:180 Resp: 2791

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.8
145	29.6	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	309026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	515996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	448882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	71117	17.751	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	35.500%#		
35) Dibromofluoromethane	8.159	113	60447	17.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	35.800%#		
50) Toluene-d8	10.559	98	222839	18.140	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	36.280%#		
62) 4-Bromofluorobenzene	12.847	95	71343	17.627	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	35.260%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	77669	18.478	ug/l	96
3) Chloromethane	2.360	50	74700	17.710	ug/l	98
4) Vinyl Chloride	2.512	62	83284	18.649	ug/l	96
5) Bromomethane	2.954	94	51068	17.884	ug/l	97
6) Chloroethane	3.118	64	54178	18.315	ug/l	98
7) Trichlorofluoromethane	3.501	101	124306	19.225	ug/l	100
8) Diethyl Ether	3.959	74	40213	19.221	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	74051	19.813	ug/l	98
10) Methyl Iodide	4.589	142	87963	19.093	ug/l	96
11) Tert butyl alcohol	5.512	59	45305	91.941	ug/l	99
12) 1,1-Dichloroethene	4.336	96	65660	19.375	ug/l	95
13) Acrolein	4.177	56	65092	89.078	ug/l	99
14) Allyl chloride	5.024	41	84778	19.054	ug/l	98
15) Acrylonitrile	5.712	53	158250	98.787	ug/l	99
16) Acetone	4.418	43	122455	96.596	ug/l	97
17) Carbon Disulfide	4.706	76	179885	17.910	ug/l	100
18) Methyl Acetate	5.012	43	77229	17.712	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	205047	20.362	ug/l	97
20) Methylene Chloride	5.271	84	77308	18.963	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	69924	19.162	ug/l	91
22) Diisopropyl ether	6.665	45	212086	21.095	ug/l	99
23) Vinyl Acetate	6.600	43	695943	101.409	ug/l	99
24) 1,1-Dichloroethane	6.565	63	134620	19.697	ug/l	98
25) 2-Butanone	7.477	43	184659	99.012	ug/l	98
26) 2,2-Dichloropropane	7.489	77	120039	19.752	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	82886	19.590	ug/l	99
28) Bromochloromethane	7.806	49	49657	17.678	ug/l	95
29) Tetrahydrofuran	7.836	42	125831	104.482	ug/l	100
30) Chloroform	7.959	83	141059	19.750	ug/l	98
31) Cyclohexane	8.253	56	106009	18.525	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	125061	19.686	ug/l	98
36) 1,1-Dichloropropene	8.365	75	94481	19.772	ug/l	99
37) Ethyl Acetate	7.553	43	81716	20.780	ug/l	99
38) Carbon Tetrachloride	8.359	117	111137	19.574	ug/l	96
39) Methylcyclohexane	9.600	83	93454	19.907	ug/l	99
40) Benzene	8.600	78	304209	19.863	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	43566	20.724	ug/l		98
42) 1,2-Dichloroethane	8.665	62	99651	19.975	ug/l		99
43) Isopropyl Acetate	8.683	43	138304	19.709	ug/l		99
44) Trichloroethene	9.347	130	71769	19.085	ug/l		97
45) 1,2-Dichloropropane	9.618	63	73743	19.947	ug/l		98
46) Dibromomethane	9.706	93	52878	20.278	ug/l		97
47) Bromodichloromethane	9.883	83	111634	20.010	ug/l		97
48) Methyl methacrylate	9.677	41	60690	20.781	ug/l		99
49) 1,4-Dioxane	9.688	88	21778	392.137	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.441	43	400235	105.563	ug/l		99
52) Toluene	10.624	92	184001	20.495	ug/l		98
53) t-1,3-Dichloropropene	10.830	75	104301	20.218	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	115451	20.409	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	71034	19.900	ug/l		97
56) Ethyl methacrylate	10.871	69	94315	20.003	ug/l		97
57) 1,3-Dichloropropane	11.159	76	119649	20.080	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	256540	146.107	ug/l		99
59) 2-Hexanone	11.188	43	278550	106.794	ug/l		99
60) Dibromochloromethane	11.353	129	83651	20.125	ug/l		100
61) 1,2-Dibromoethane	11.465	107	68205	20.223	ug/l		99
64) Tetrachloroethene	11.100	164	67288	19.350	ug/l		94
65) Chlorobenzene	11.888	112	200885	19.535	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	72064	19.497	ug/l		99
67) Ethyl Benzene	11.959	91	330056	20.490	ug/l		97
68) m/p-Xylenes	12.065	106	259251	42.371	ug/l		100
69) o-Xylene	12.394	106	118291	20.345	ug/l		96
70) Styrene	12.406	104	203369	20.270	ug/l		100
71) Bromoform	12.576	173	55518	20.214	ug/l	#	96
73) Isopropylbenzene	12.688	105	299398	20.339	ug/l		100
74) N-amyl acetate	12.488	43	106973	20.608	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	99174	19.579	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	123129	26.085	ug/l		57
77) Bromobenzene	12.976	156	78068	19.630	ug/l		98
78) n-propylbenzene	13.029	91	351518	20.852	ug/l		100
79) 2-Chlorotoluene	13.124	91	230434	20.458	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	258212	21.534	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	31517	19.267	ug/l		92
82) 4-Chlorotoluene	13.218	91	227177	20.345	ug/l		100
83) tert-Butylbenzene	13.435	119	208096	20.637	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	259373	21.863	ug/l		99
85) sec-Butylbenzene	13.612	105	293653	20.612	ug/l		99
86) p-Isopropyltoluene	13.723	119	240984	19.772	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	143937	19.318	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	144744	18.954	ug/l		99
89) n-Butylbenzene	14.053	91	195221	19.300	ug/l		97
90) Hexachloroethane	14.329	117	50599	18.753	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	138931	19.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	16407	17.639	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	60520	17.726	ug/l		98
94) Hexachlorobutadiene	15.500	225	34783	16.763	ug/l		97
95) Naphthalene	15.635	128	156537	16.700	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	57998	16.921	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

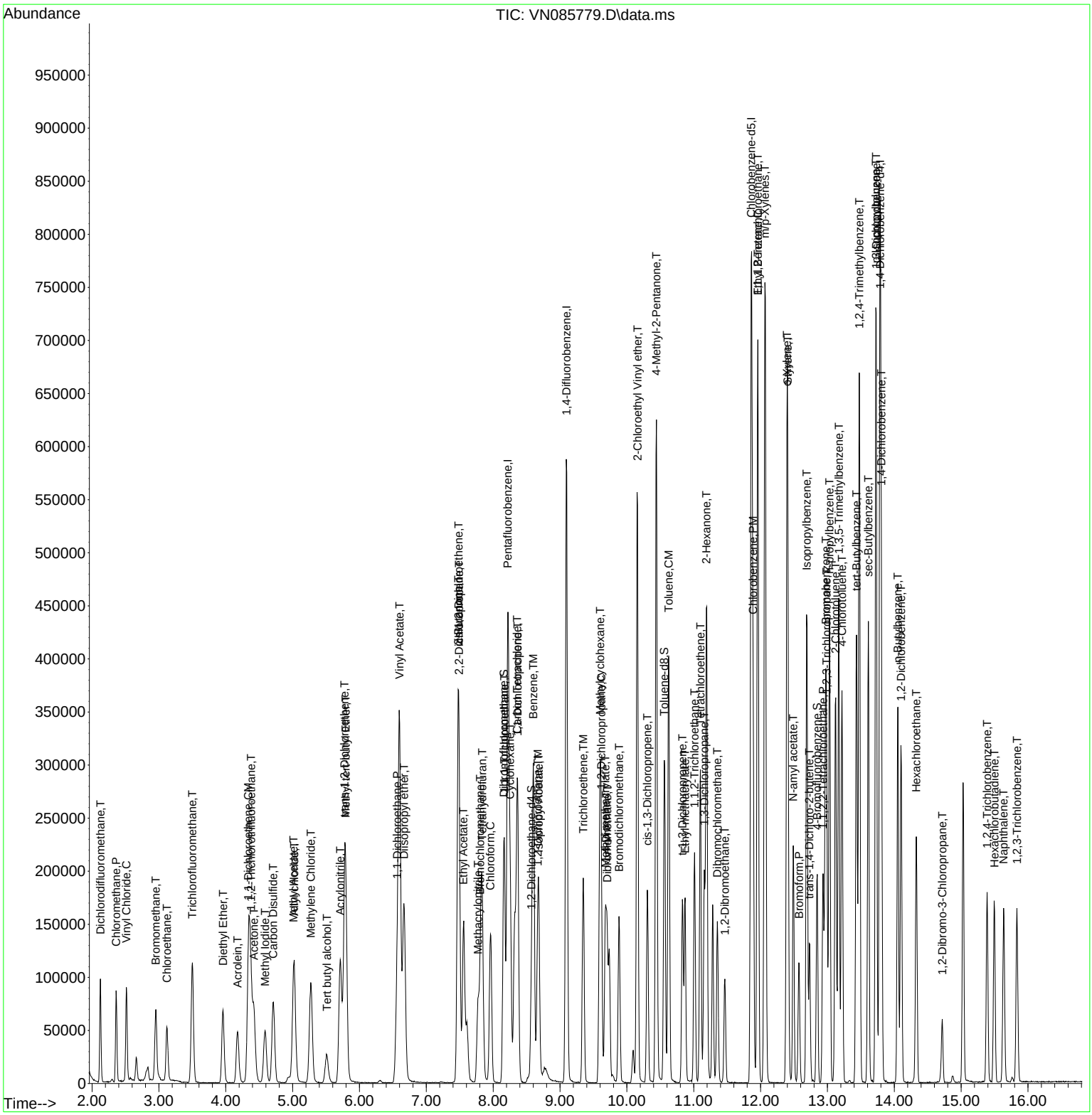
(#) = qualifier out of range (m) = manual integration (+) = signals summed

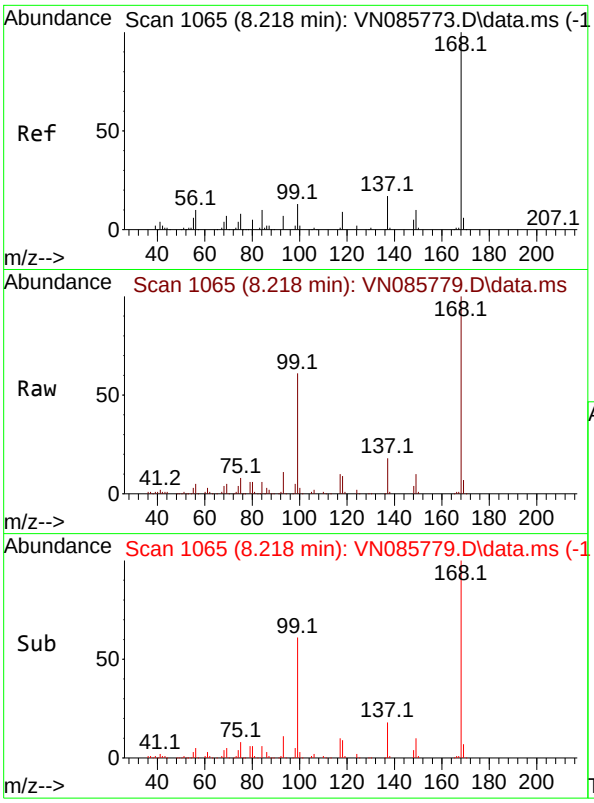
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration



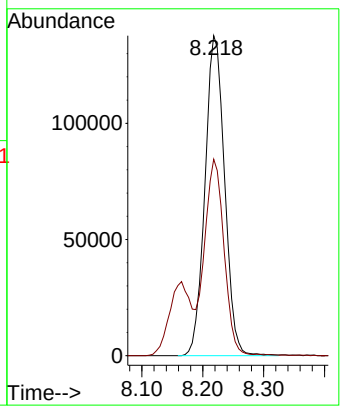


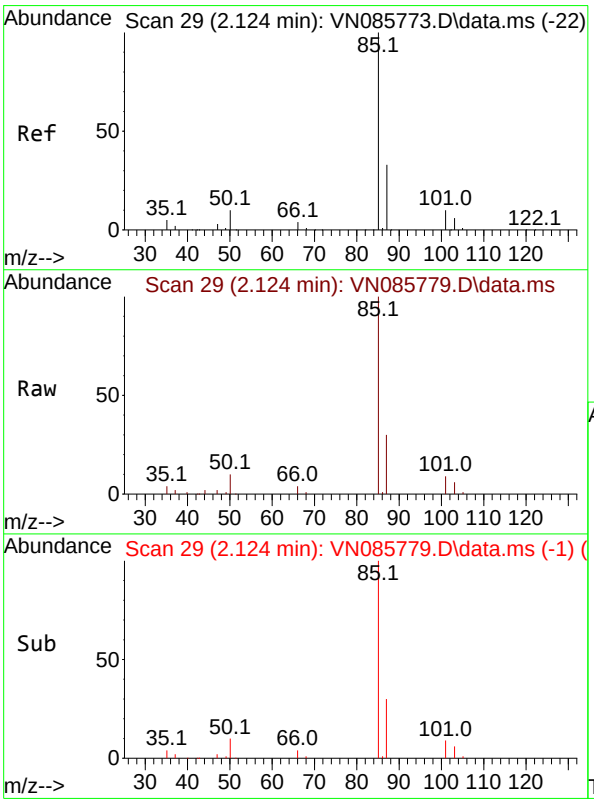
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 309026

Ion	Ratio	Lower	Upper
168	100		
99	61.3	47.9	71.9

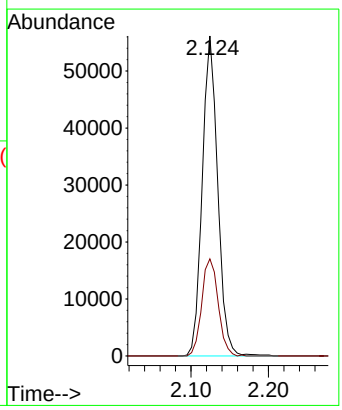


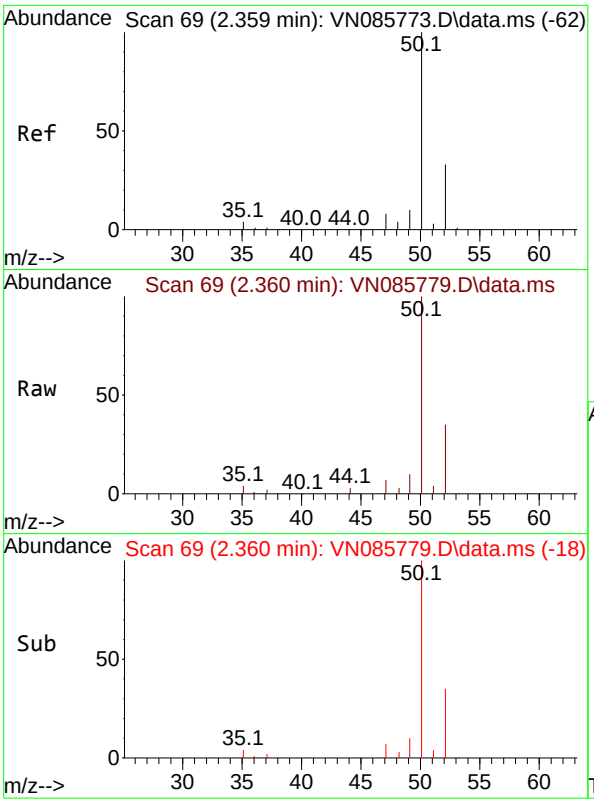


#2
Dichlorodifluoromethane
Concen: 18.478 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 85 Resp: 77669

Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.4	49.2



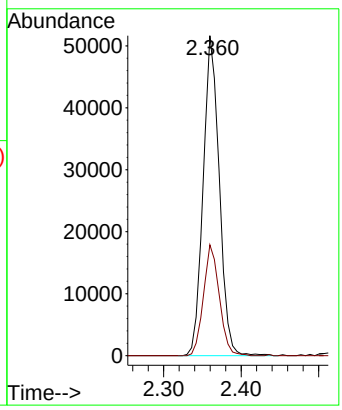


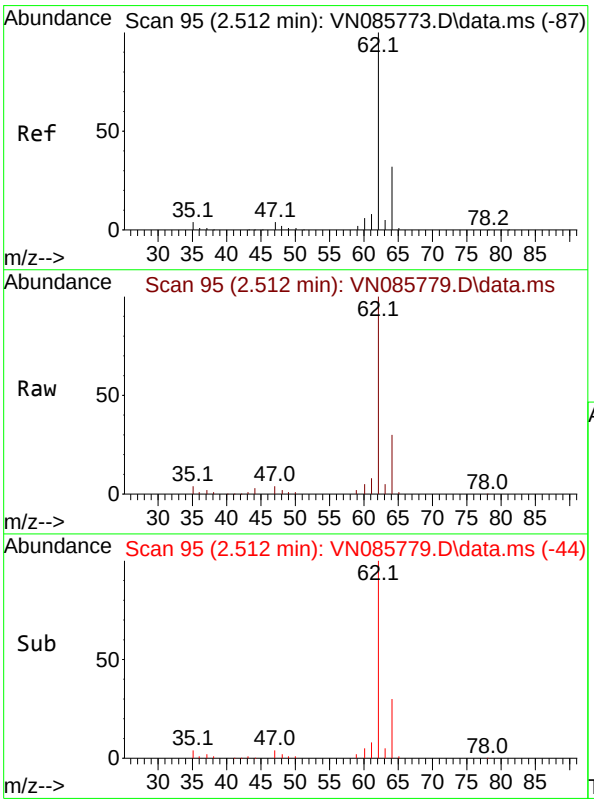
#3
Chloromethane
Concen: 17.710 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 74700

Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.7	40.1

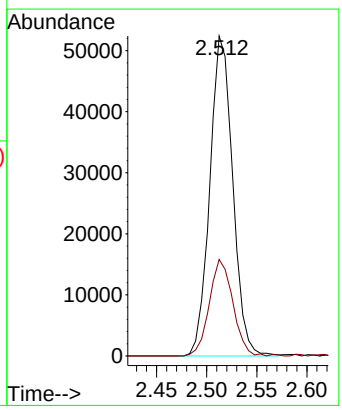


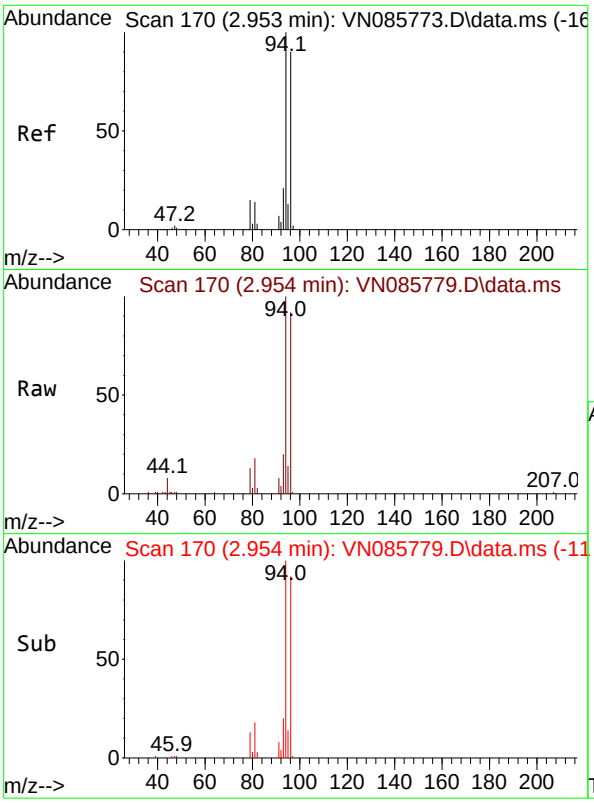


#4
Vinyl Chloride
Concen: 18.649 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 62 Resp: 83284

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.9	38.9



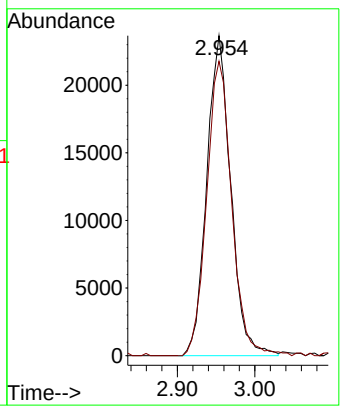


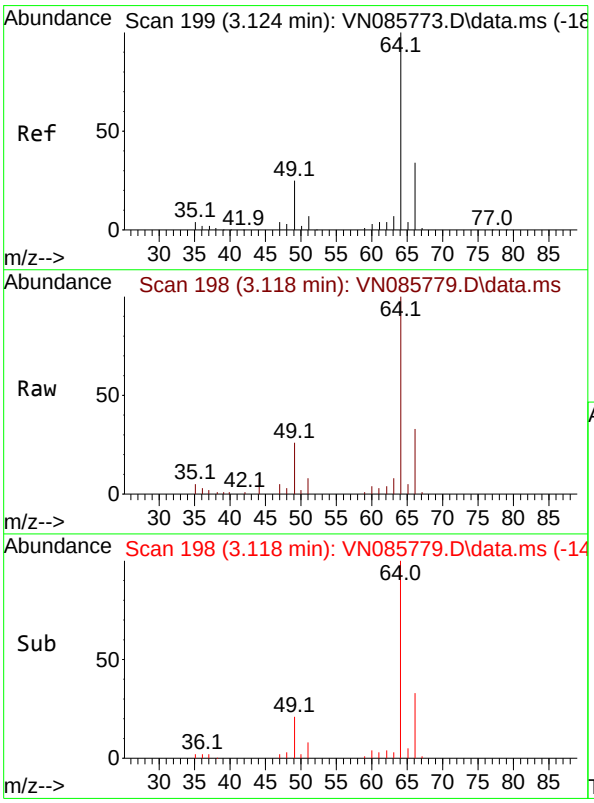
#5
Bromomethane
Concen: 17.884 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 51068

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.7	107.5

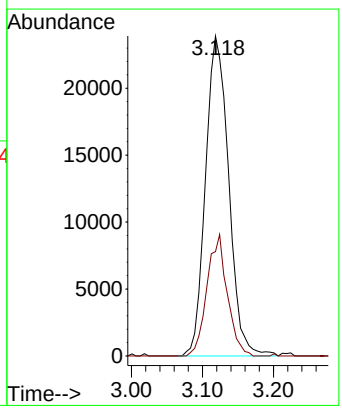


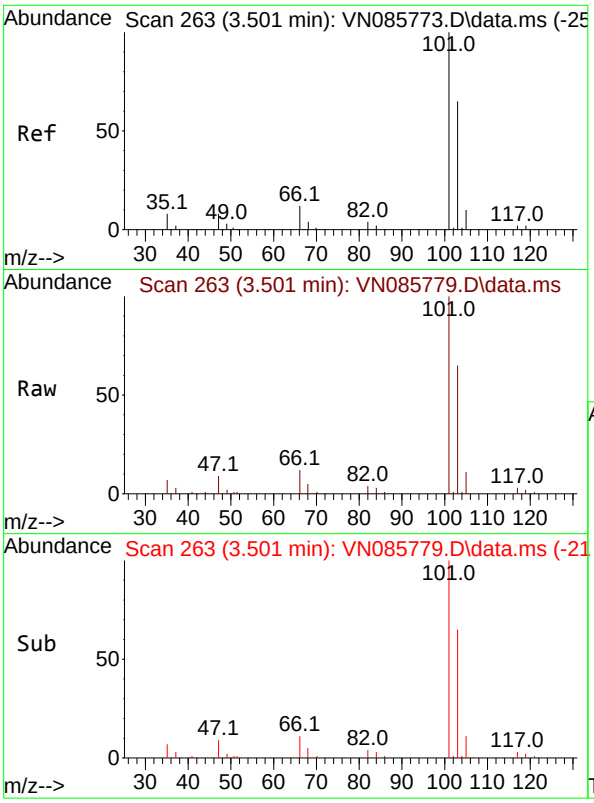


#6
Chloroethane
Concen: 18.315 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 64 Resp: 54178

Ion	Ratio	Lower	Upper
64	100		
66	32.6	27.0	40.6



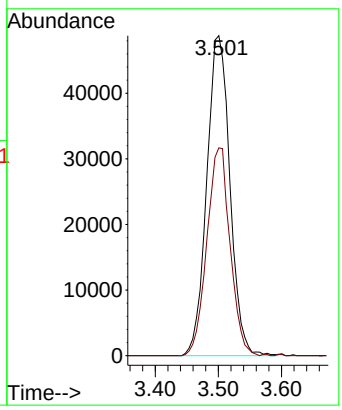


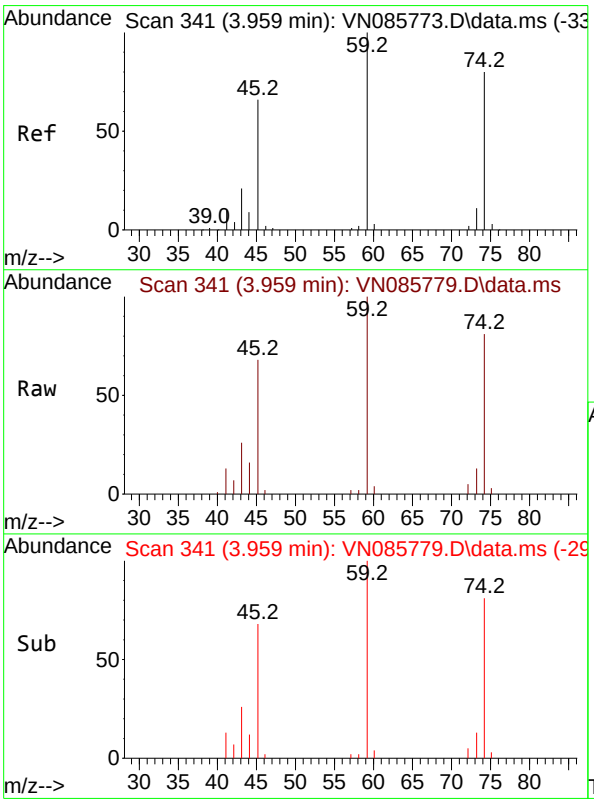
#7
Trichlorofluoromethane
Concen: 19.225 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 124306

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.4

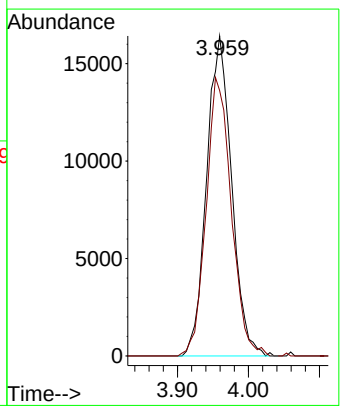


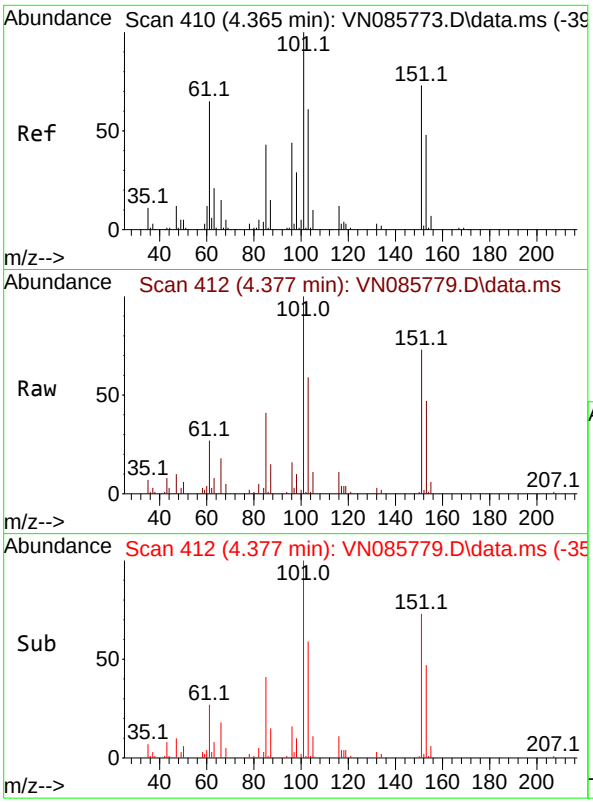


#8
Diethyl Ether
Concen: 19.221 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 74 Resp: 40213

Ion	Ratio	Lower	Upper
74	100		
45	87.5	42.5	127.6



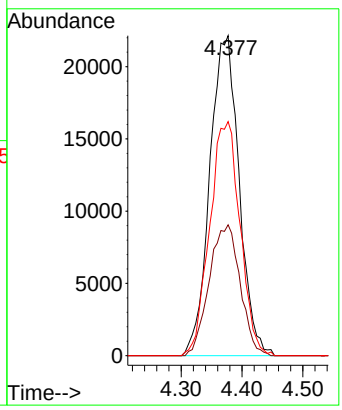


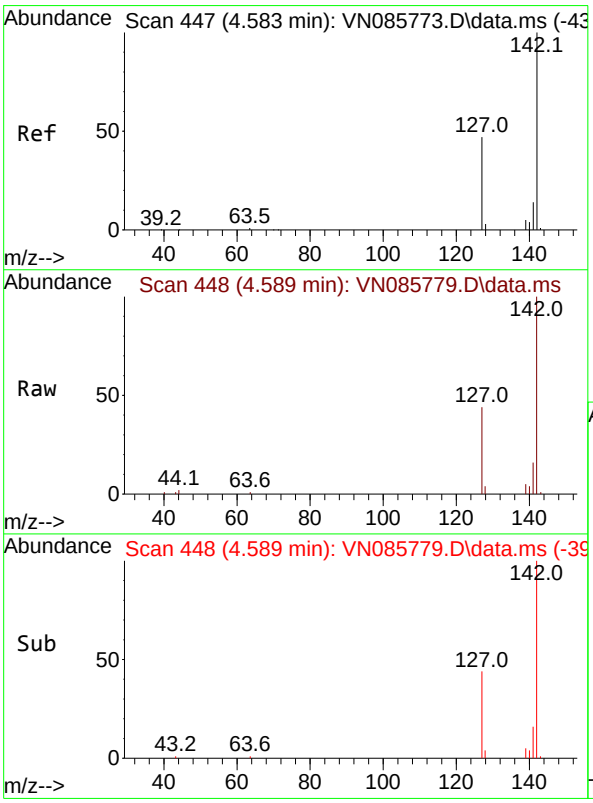
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.813 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 74051

Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.7	53.5
151	75.8	61.4	92.2

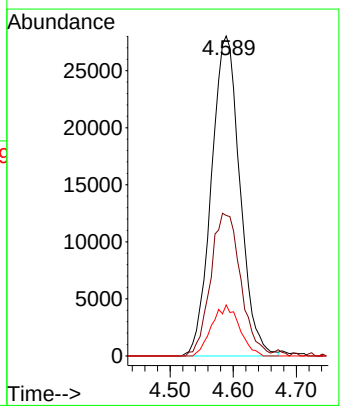


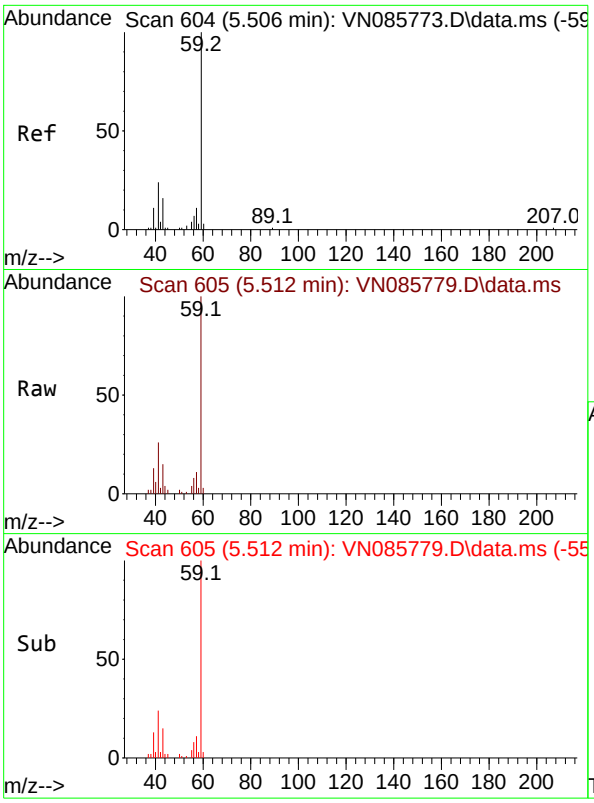


#10
Methyl Iodide
Concen: 19.093 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:142 Resp: 87963

Ion	Ratio	Lower	Upper
142	100		
127	43.9	37.6	56.4
141	15.9	11.4	17.2



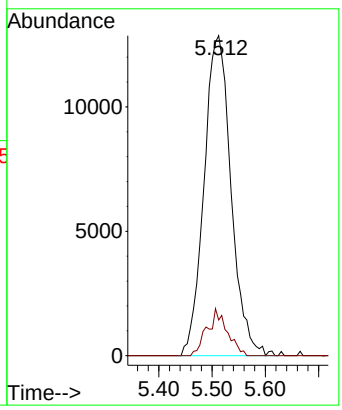


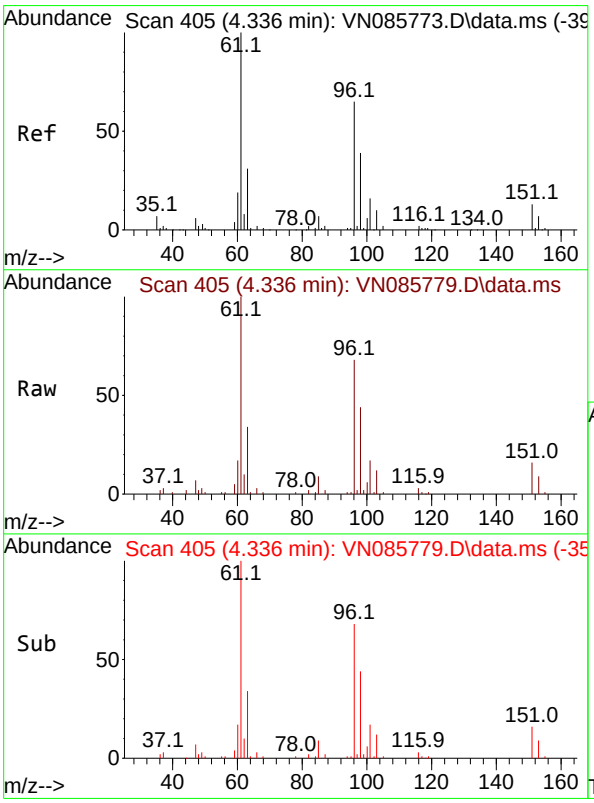
#11
Tert butyl alcohol
Concen: 91.941 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 45305

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5

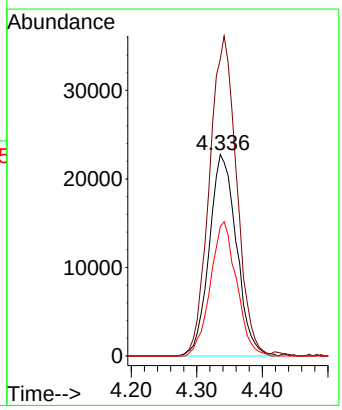


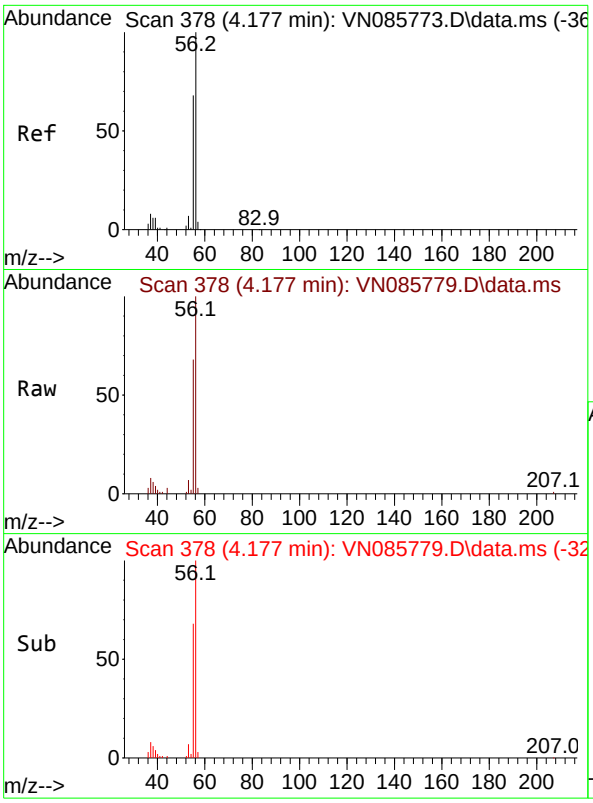


#12
1,1-Dichloroethene
Concen: 19.375 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 96 Resp: 65660

Ion	Ratio	Lower	Upper
96	100		
61	147.3	123.3	184.9
98	64.2	48.6	72.8



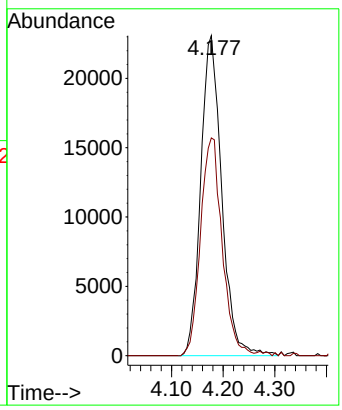


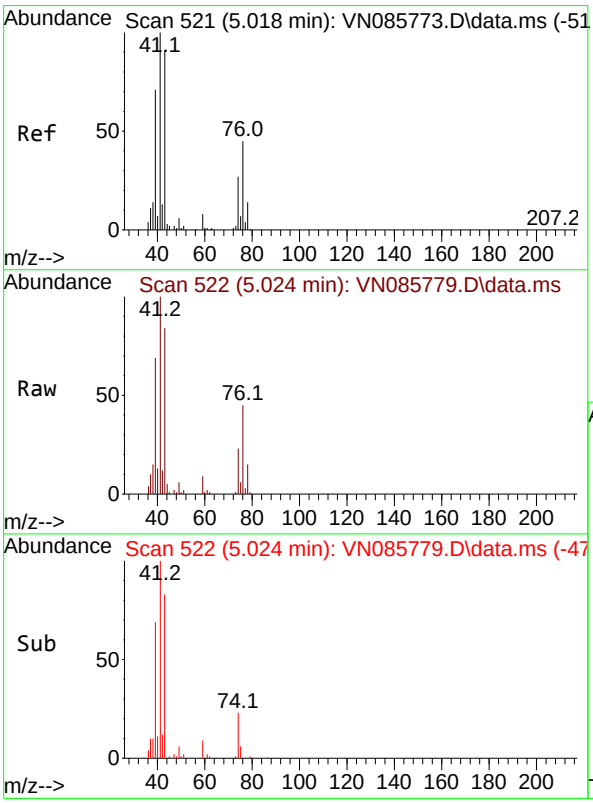
#13
Acrolein
Concen: 89.078 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 65092

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.3	82.9

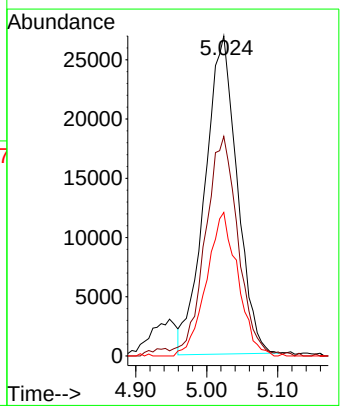


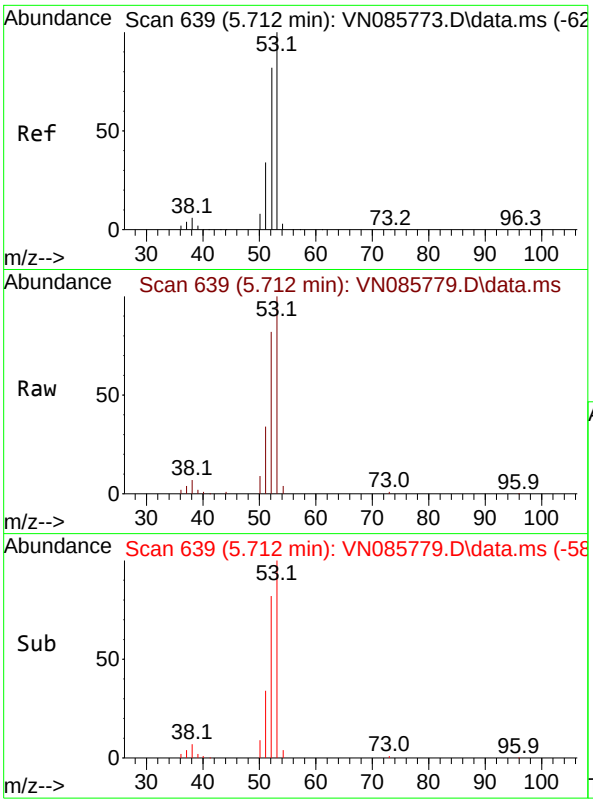


#14
Allyl chloride
Concen: 19.054 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 41 Resp: 84778

Ion	Ratio	Lower	Upper
41	100		
39	70.2	57.4	86.2
76	43.8	36.2	54.2



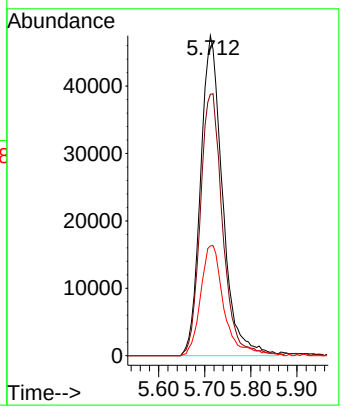


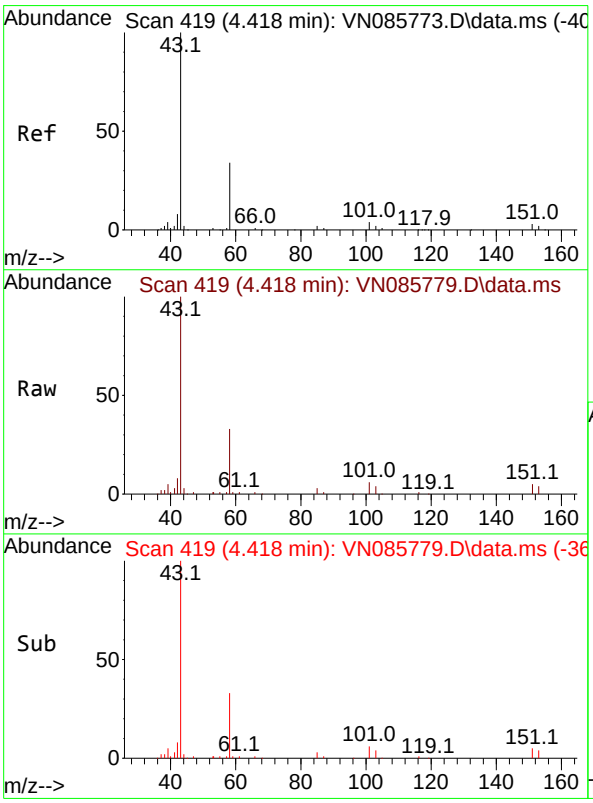
#15
Acrylonitrile
Concen: 98.787 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 158250

Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.6
51	36.5	28.6	42.8

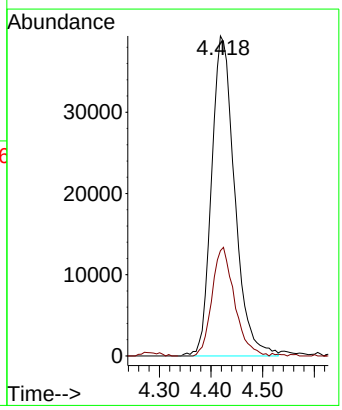


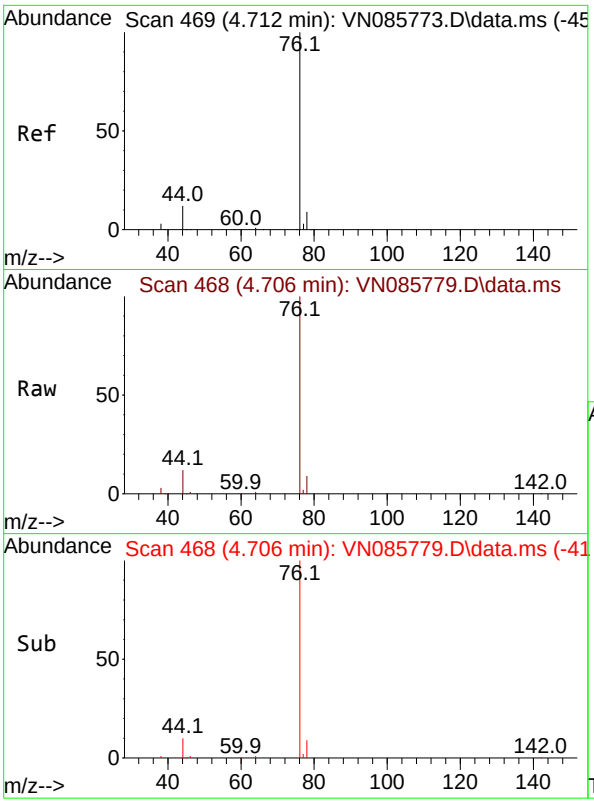


#16
Acetone
Concen: 96.596 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 122455

Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.5	41.3



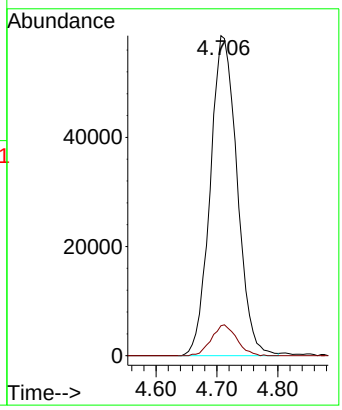


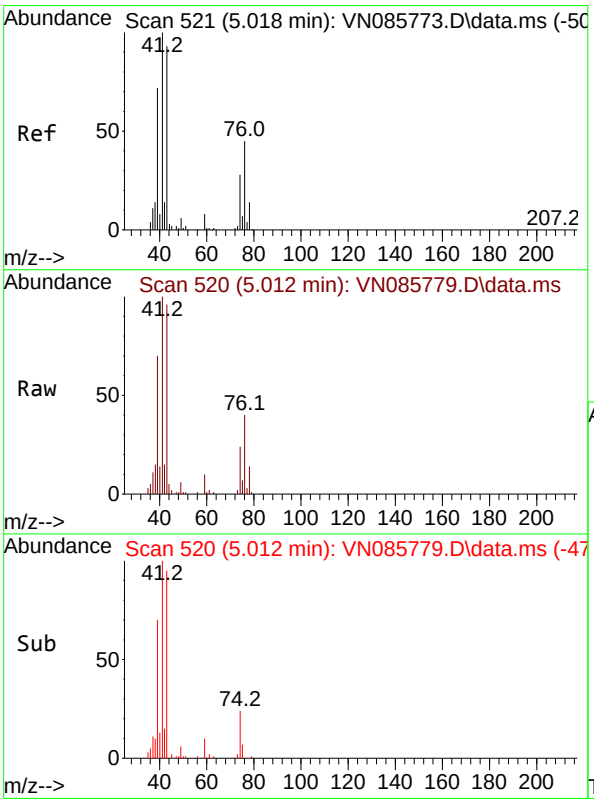
#17
Carbon Disulfide
Concen: 17.910 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 179885

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

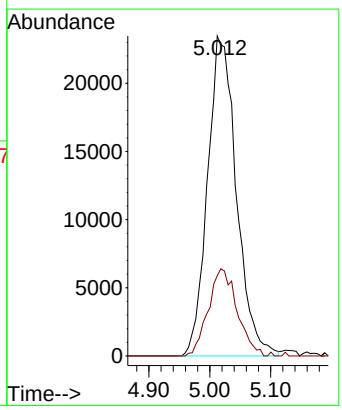


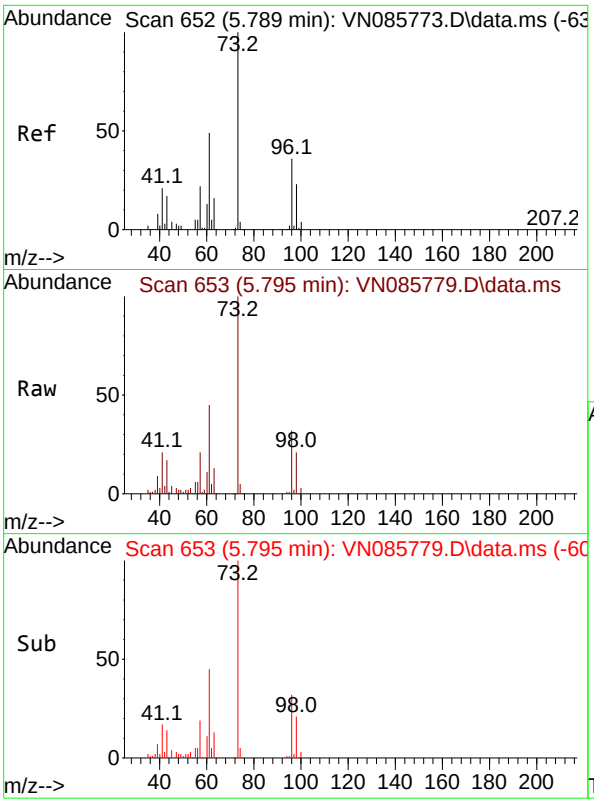


#18
Methyl Acetate
Concen: 17.712 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 77229

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4



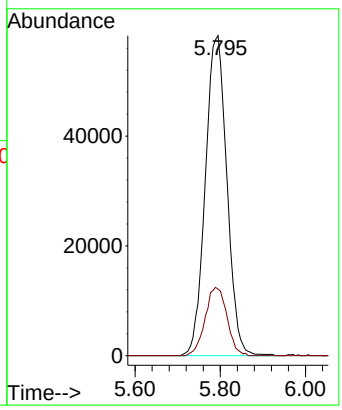


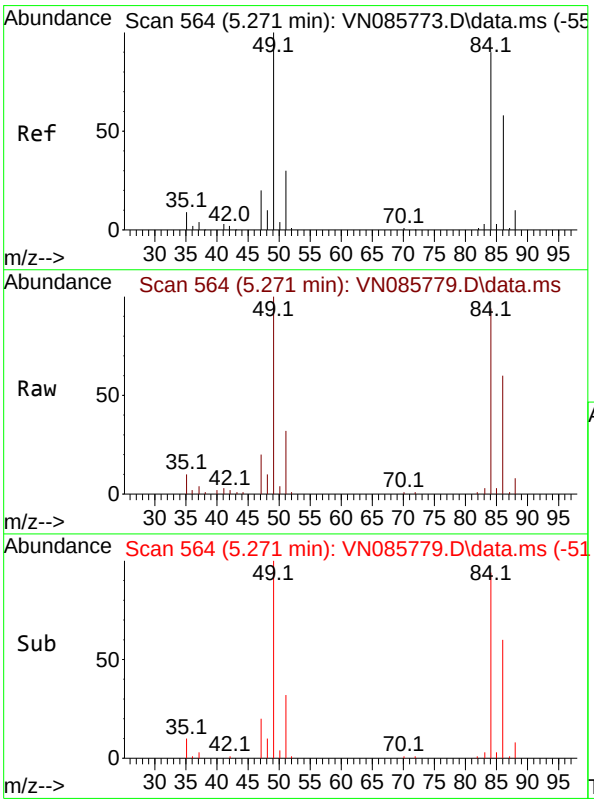
#19
Methyl tert-butyl Ether
Concen: 20.362 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 205047

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.6	26.4

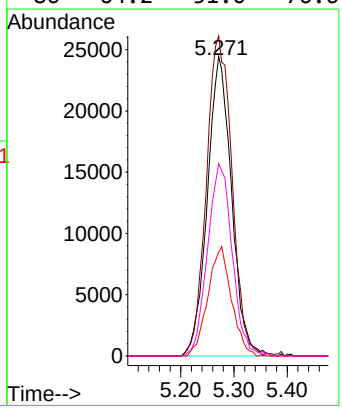


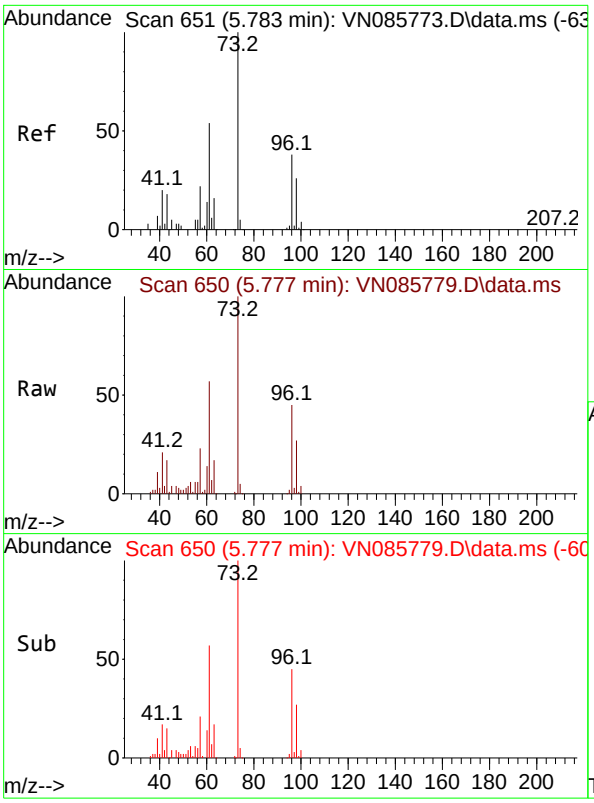


#20
Methylene Chloride
Concen: 18.963 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 84 Resp: 77308

Ion	Ratio	Lower	Upper
84	100		
49	106.9	88.4	132.6
51	34.7	26.6	40.0
86	64.2	51.0	76.6



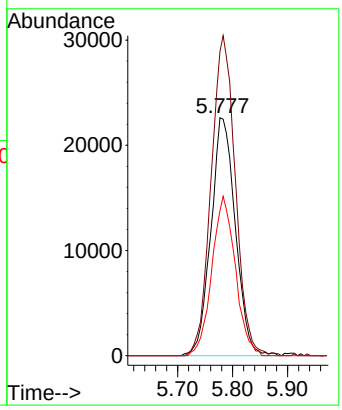


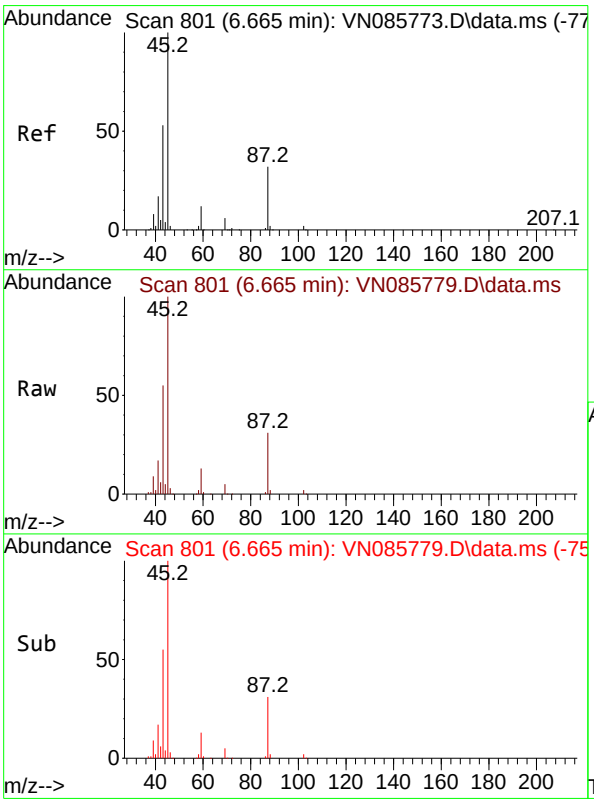
#21
trans-1,2-Dichloroethene
Concen: 19.162 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 69924

Ion	Ratio	Lower	Upper
96	100		
61	127.9	112.6	168.8
98	61.0	53.3	79.9

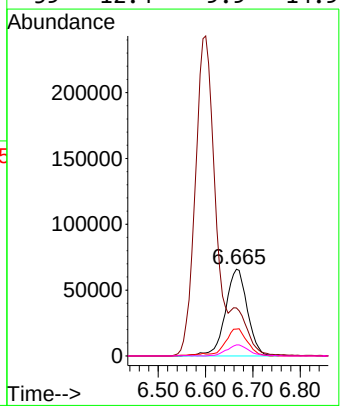


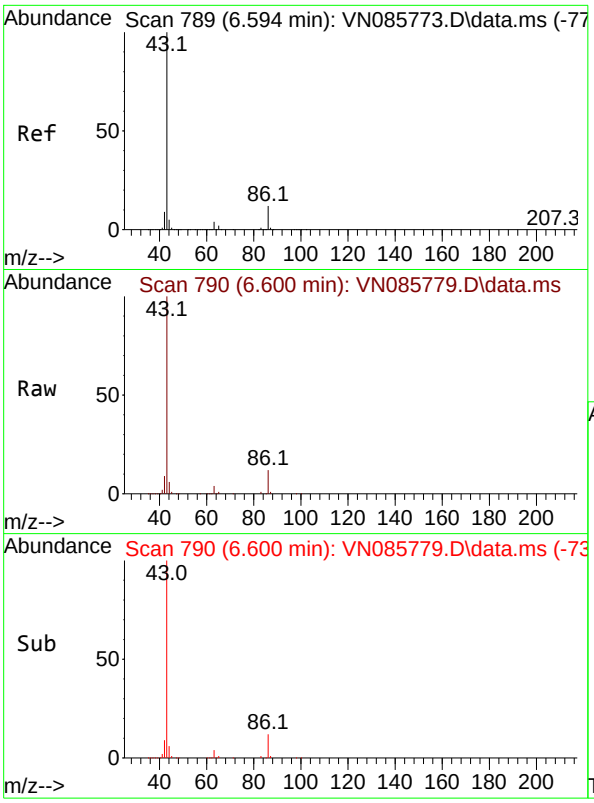


#22
Diisopropyl ether
Concen: 21.095 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 45 Resp: 212086

Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.6	64.0
87	31.0	25.8	38.8
59	12.4	9.9	14.9



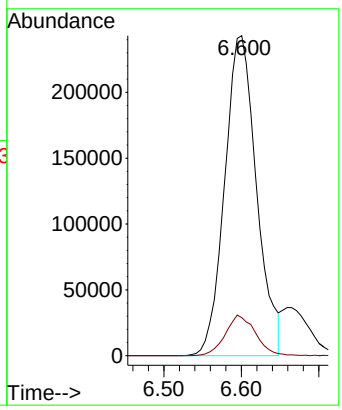


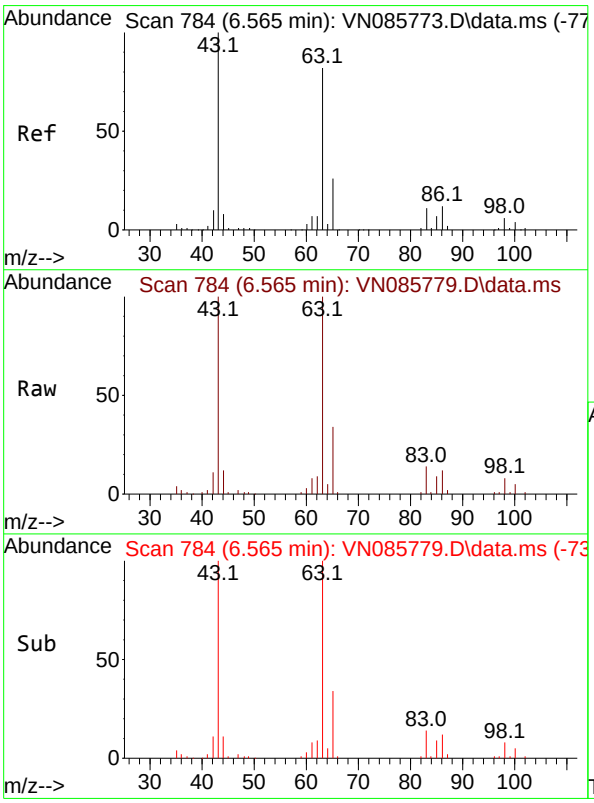
#23
Vinyl Acetate
Concen: 101.409 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 695943

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.8	14.8

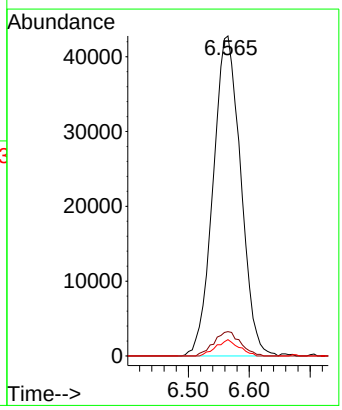


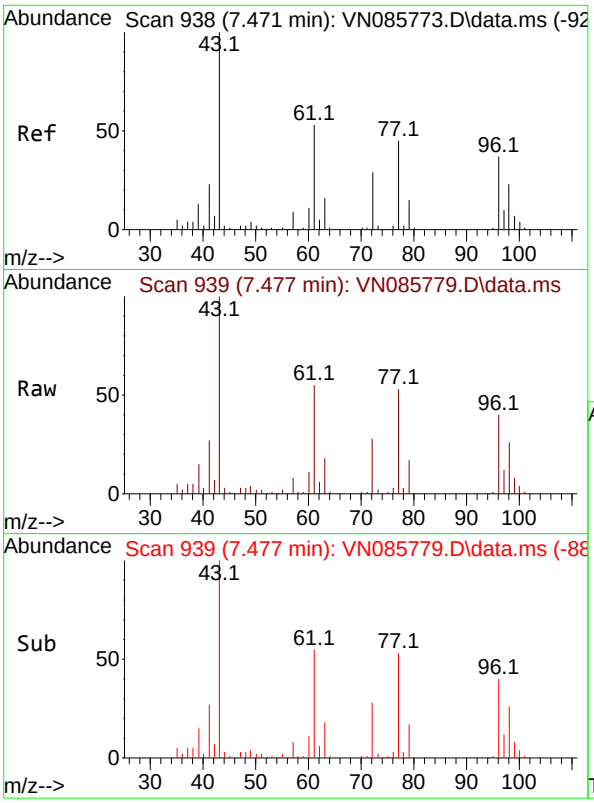


#24
1,1-Dichloroethane
Concen: 19.697 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 63 Resp: 134620

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	5.1	2.4	7.2



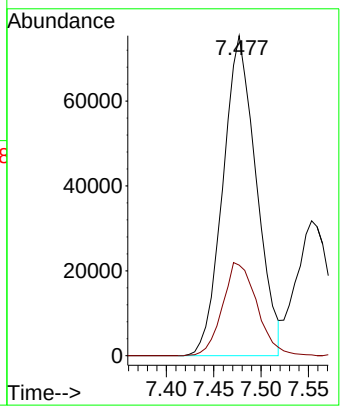


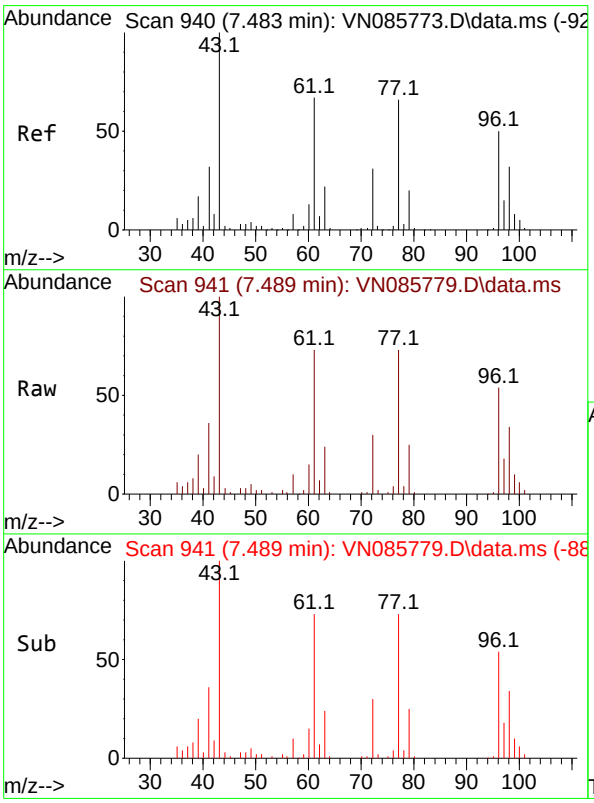
#25
2-Butanone
Concen: 99.012 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 184659

Ion	Ratio	Lower	Upper
43	100		
72	28.3	23.6	35.4

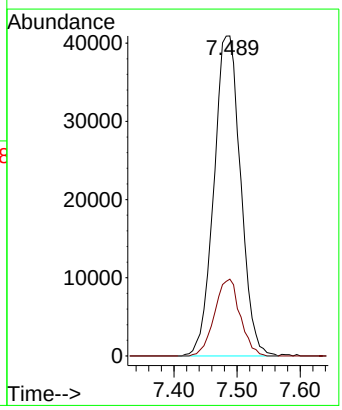


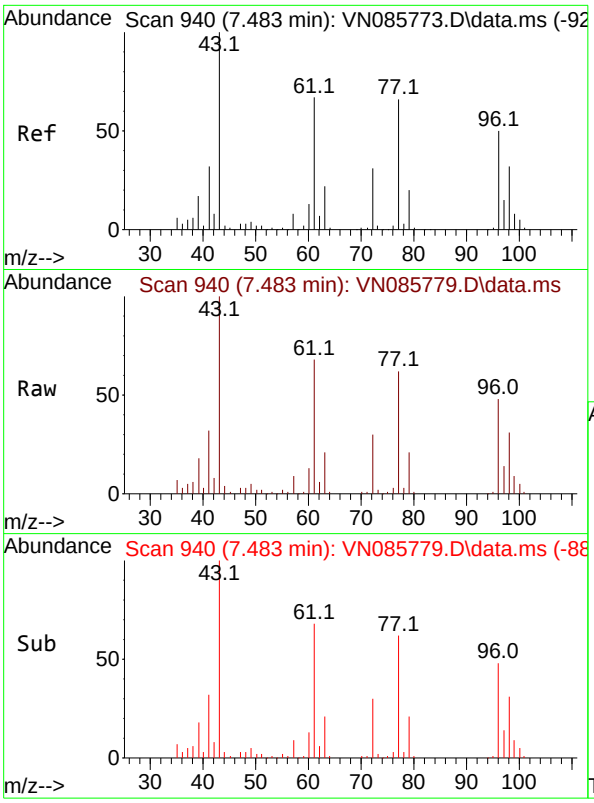


#26
2,2-Dichloropropane
Concen: 19.752 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 77 Resp: 120039

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.3	33.8



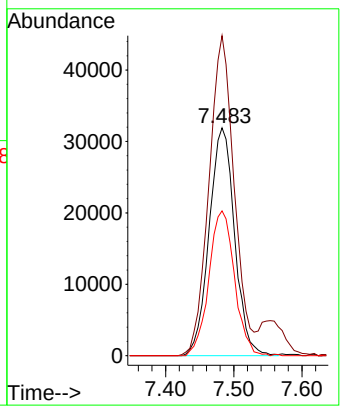


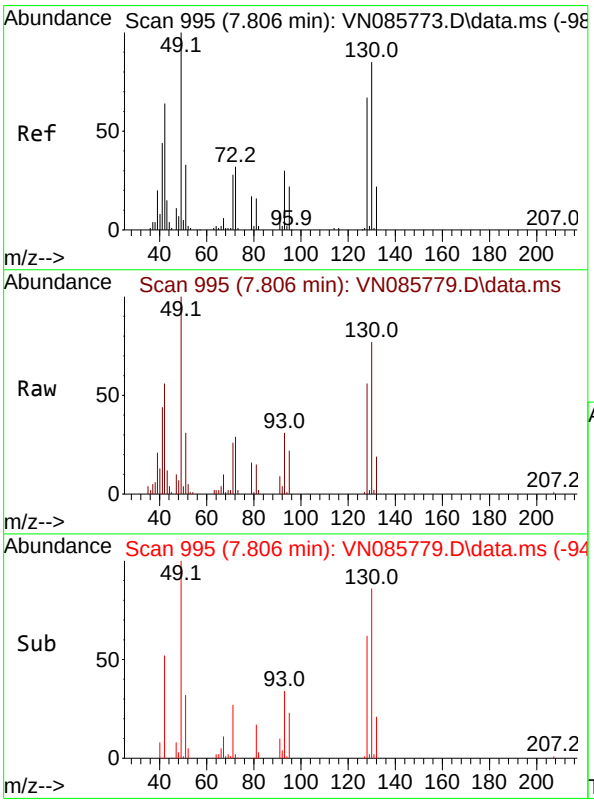
#27
cis-1,2-Dichloroethene
Concen: 19.590 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 82886

Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	280.6
98	63.9	0.0	128.6

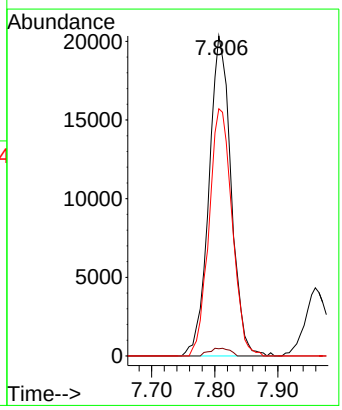


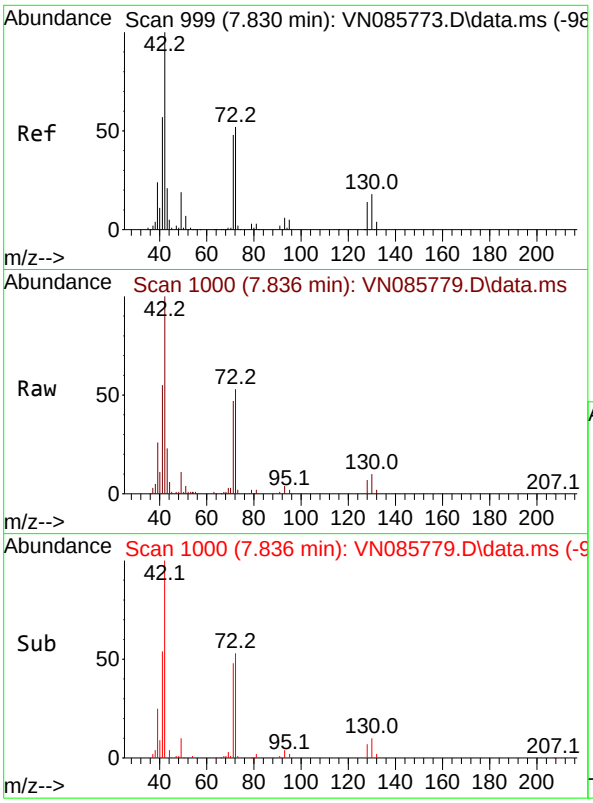


#28
Bromochloromethane
Concen: 17.678 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 49 Resp: 49657

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	80.5	68.0	102.0



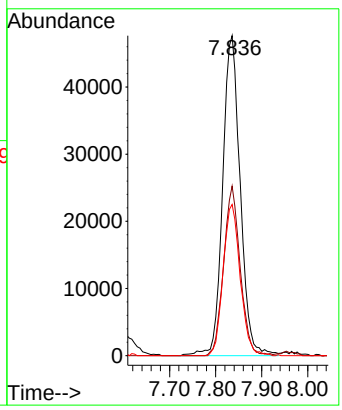


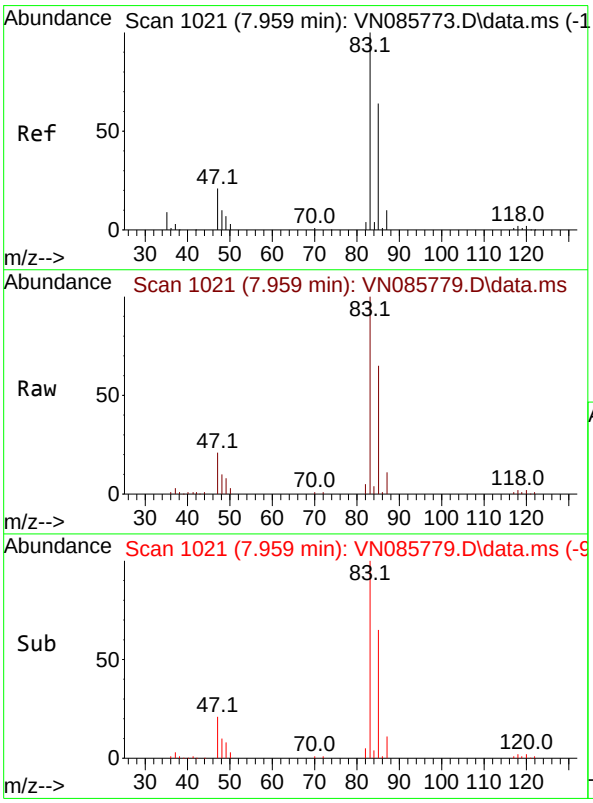
#29
Tetrahydrofuran
Concen: 104.482 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 125831

Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.0	60.0
71	46.0	37.0	55.4

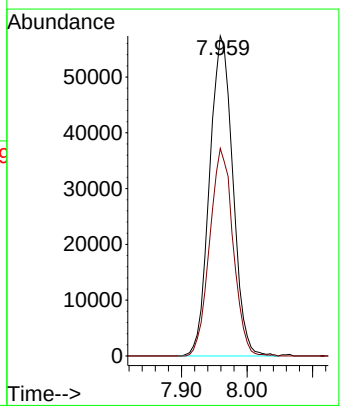


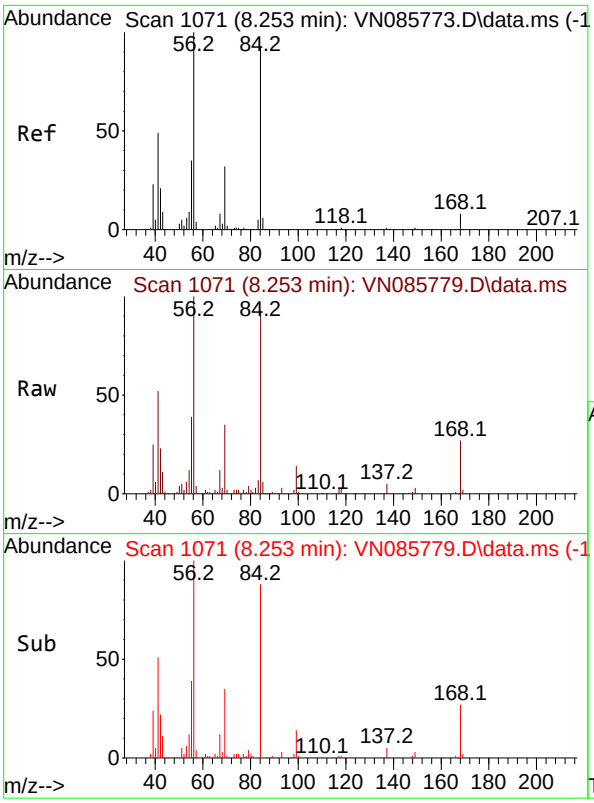


#30
Chloroform
Concen: 19.750 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 83 Resp: 141059

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3



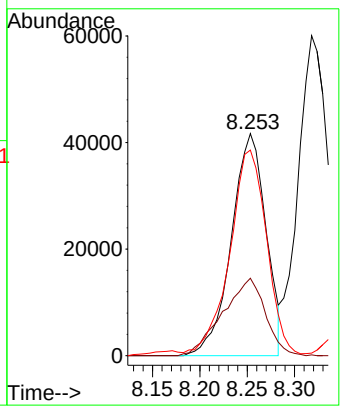


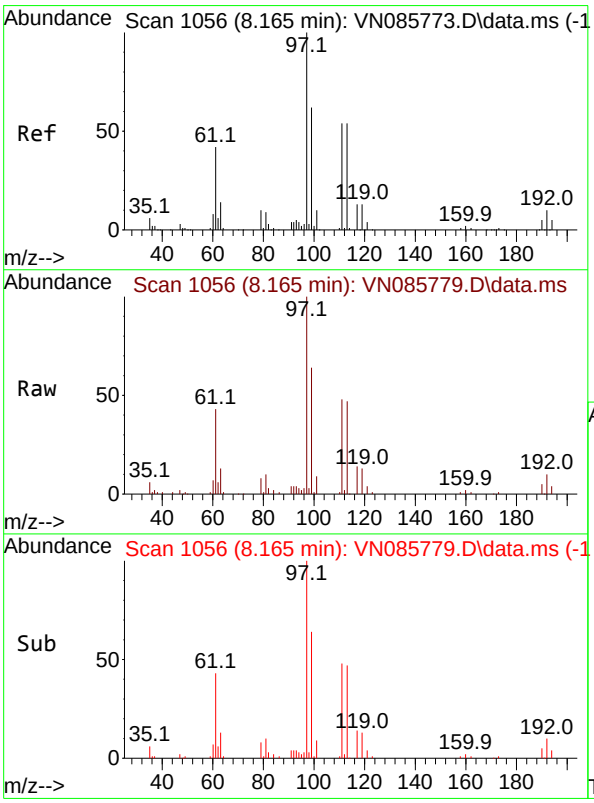
#31
Cyclohexane
Concen: 18.525 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 106009

Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.8	38.6
84	91.1	74.5	111.7

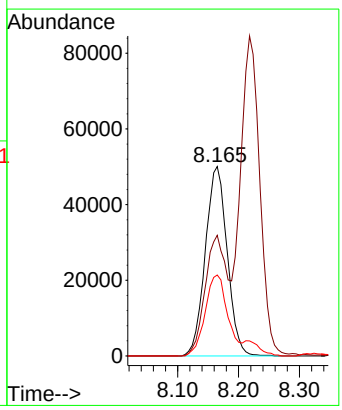


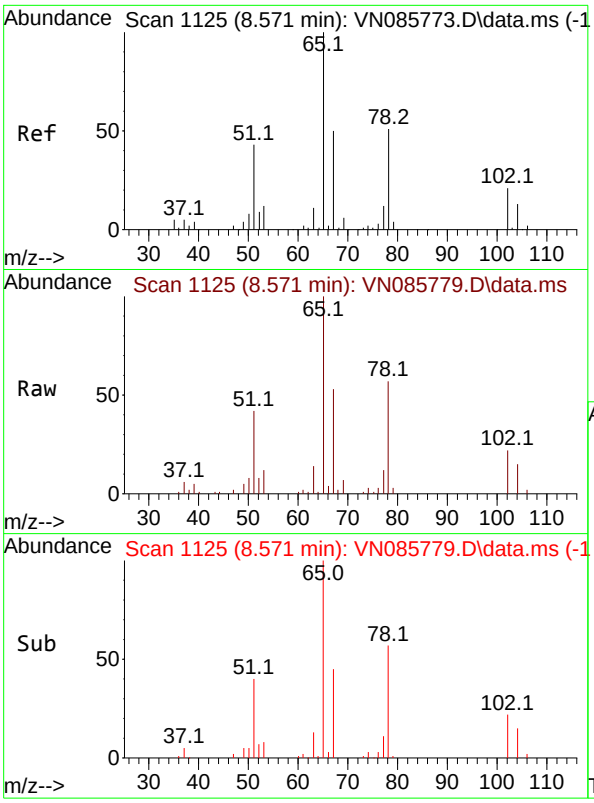


#32
1,1,1-Trichloroethane
Concen: 19.686 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 97 Resp: 125061

Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.4	75.6
61	44.4	35.5	53.3



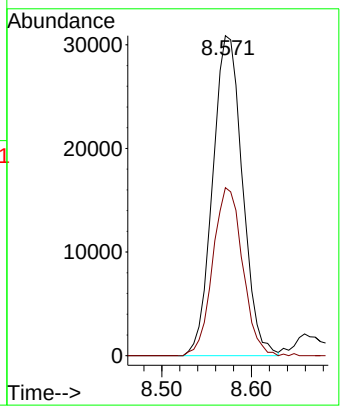


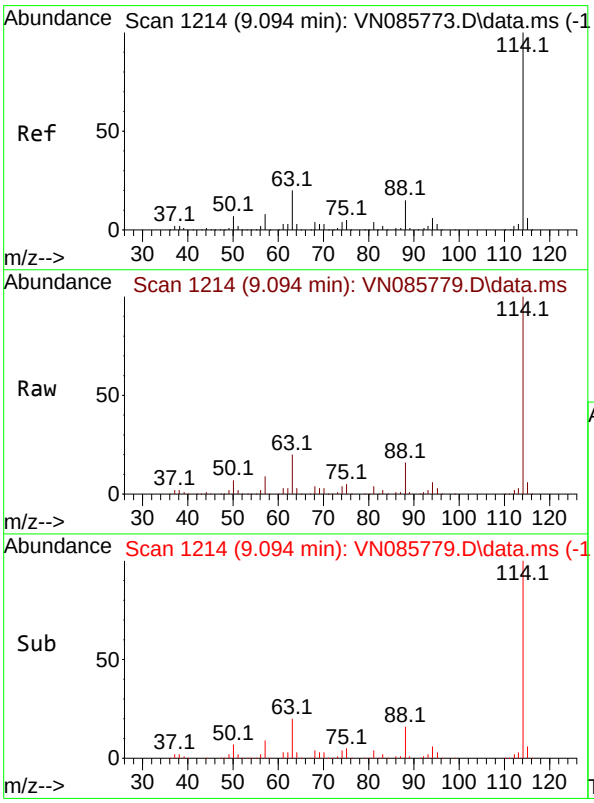
#33
1,2-Dichloroethane-d4
Concen: 17.751 ug/l
RT: 8.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 71117

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.2

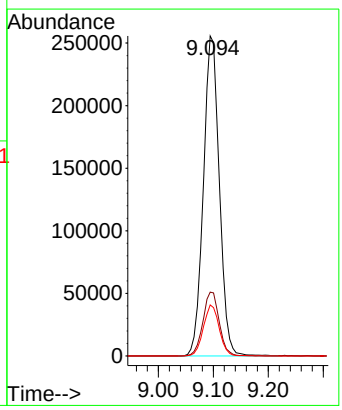


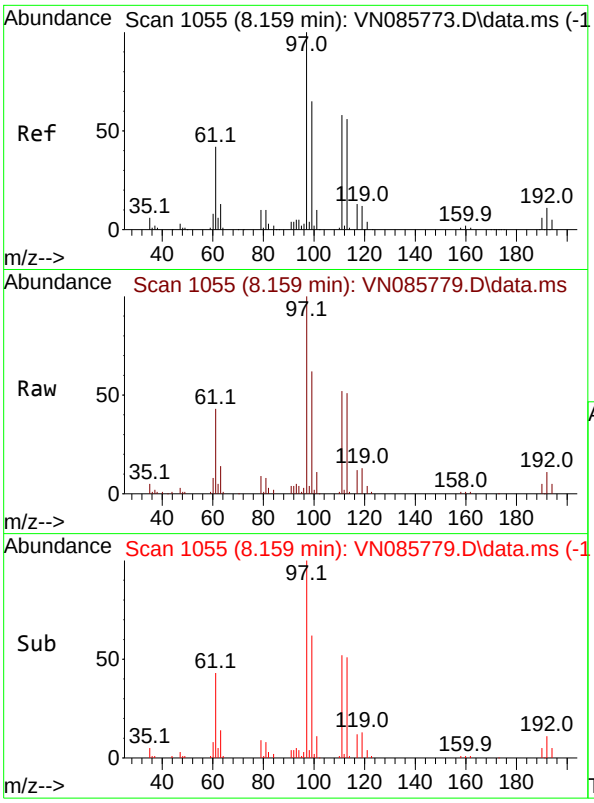


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:114 Resp: 515996

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.2
88	16.0	0.0	30.0



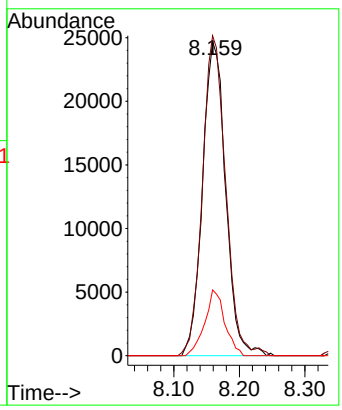


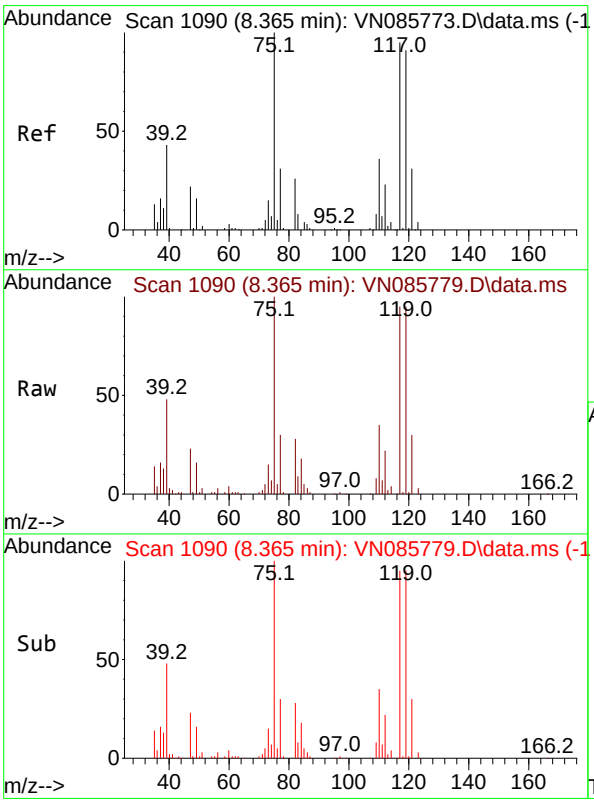
#35
Dibromofluoromethane
Concen: 17.903 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 60447

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	18.2	14.7	22.1

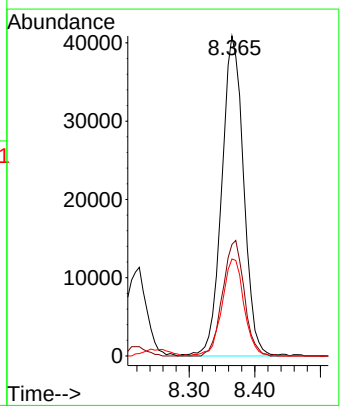


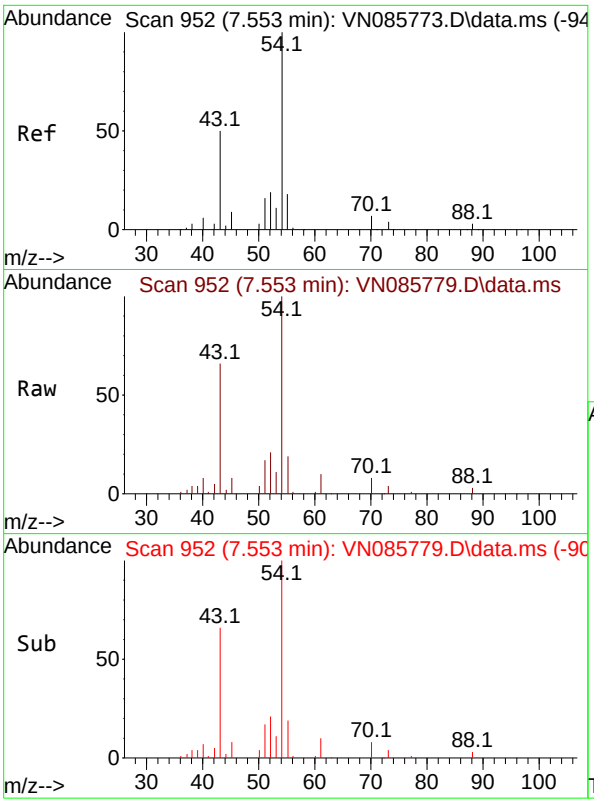


#36
1,1-Dichloropropene
Concen: 19.772 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 94481

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	52.0
77	30.5	24.6	37.0



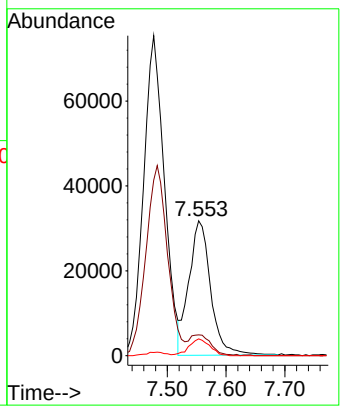


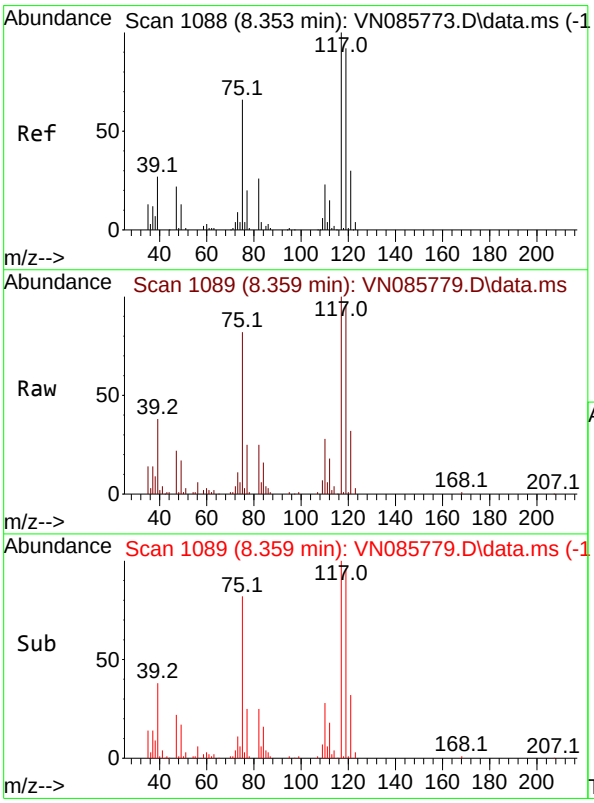
#37
Ethyl Acetate
Concen: 20.780 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 81716

Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.2	18.2
70	12.0	9.5	14.3

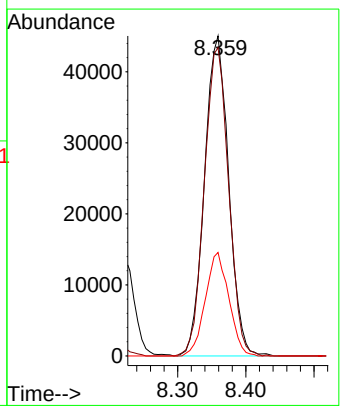


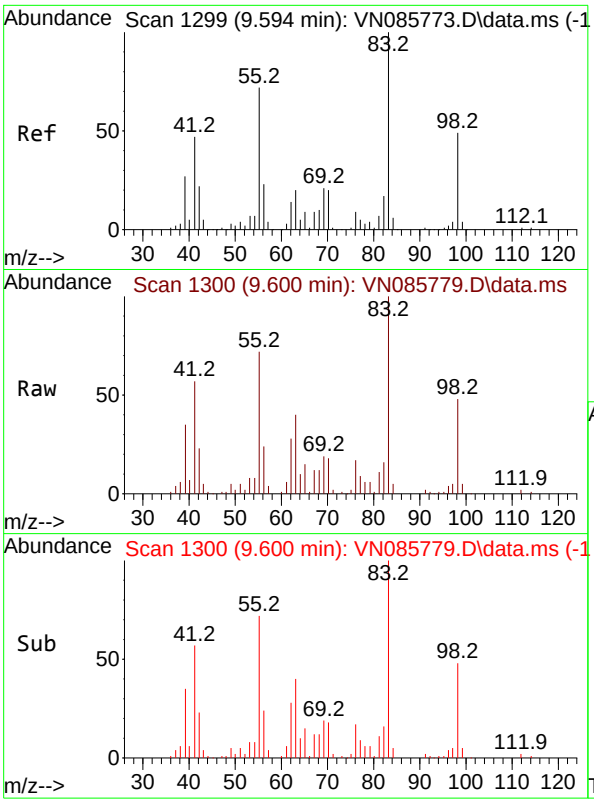


#38
Carbon Tetrachloride
Concen: 19.574 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:117 Resp: 111137

Ion	Ratio	Lower	Upper
117	100		
119	96.4	73.8	110.6
121	32.4	24.3	36.5



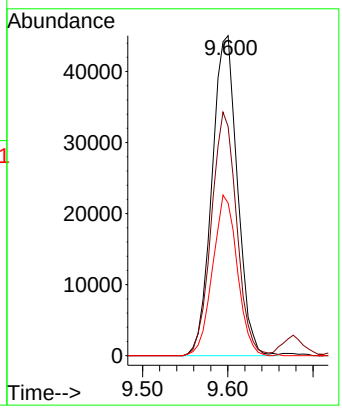


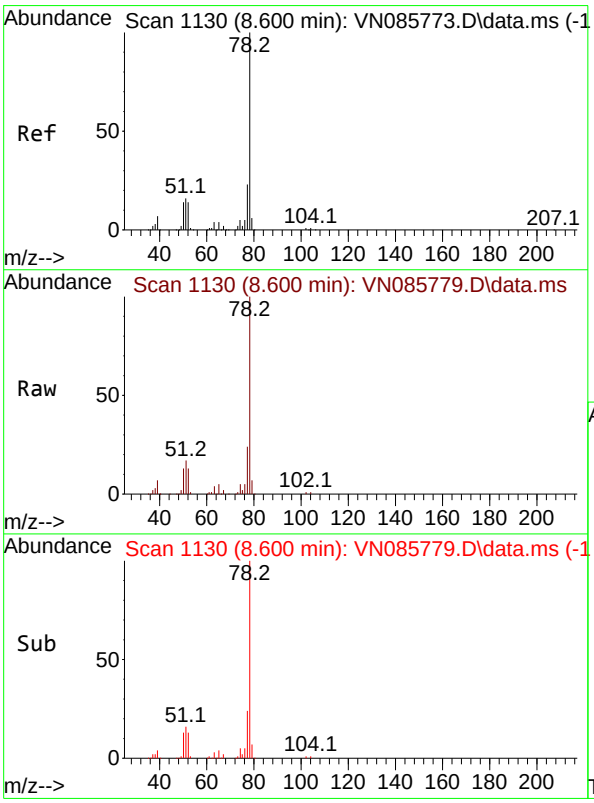
#39
Methylcyclohexane
Concen: 19.907 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 93454

Ion	Ratio	Lower	Upper
83	100		
55	71.6	57.5	86.3
98	47.7	39.2	58.8

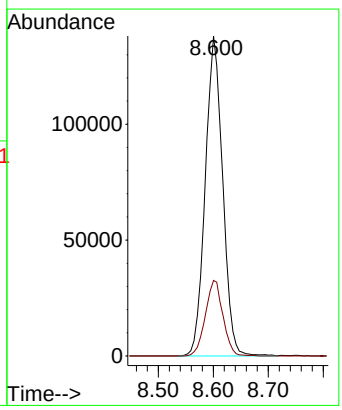


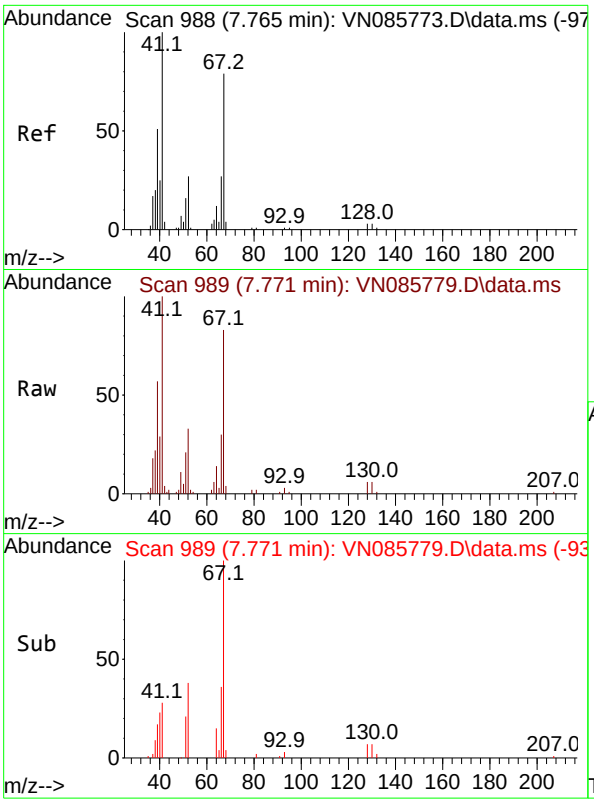


#40
Benzene
Concen: 19.863 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 78 Resp: 304209

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5



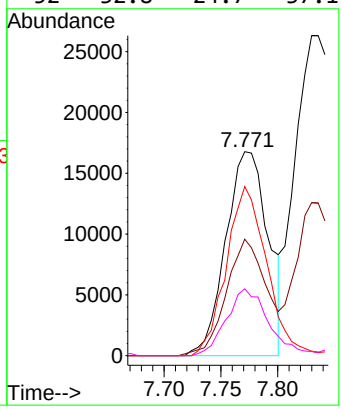


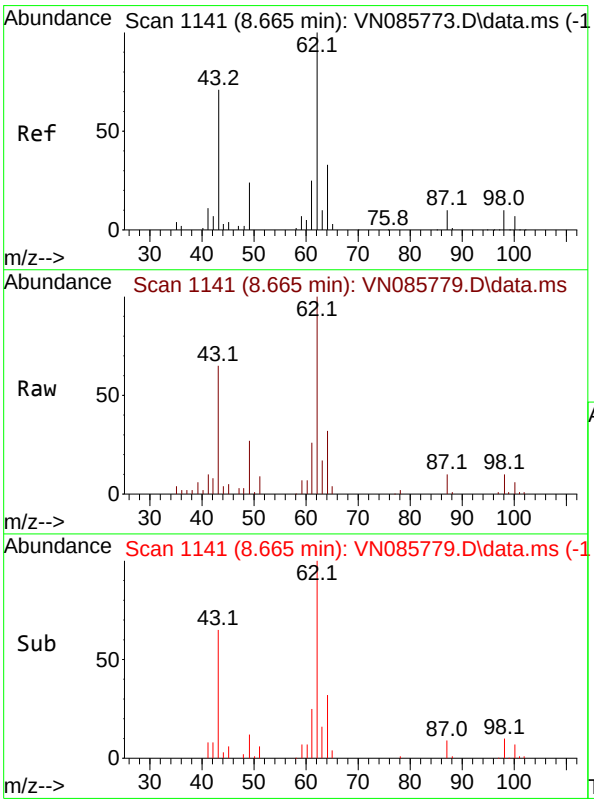
#41
Methacrylonitrile
Concen: 20.724 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 43566

Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.0	63.0
67	79.2	64.2	96.4
52	32.8	24.7	37.1

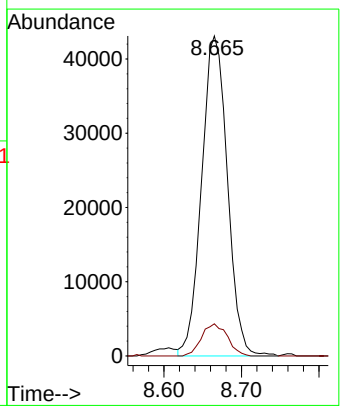


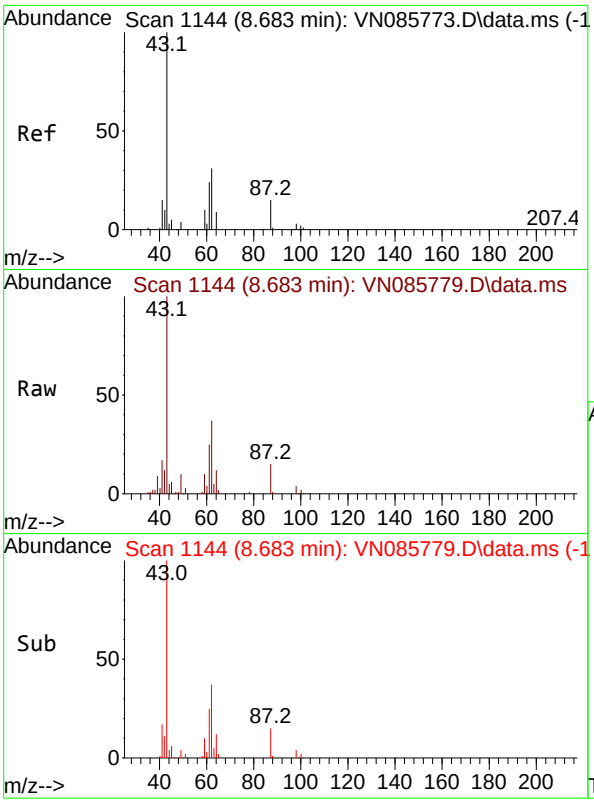


#42
1,2-Dichloroethane
Concen: 19.975 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 62 Resp: 99651

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6



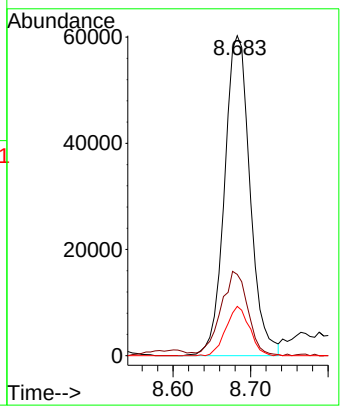


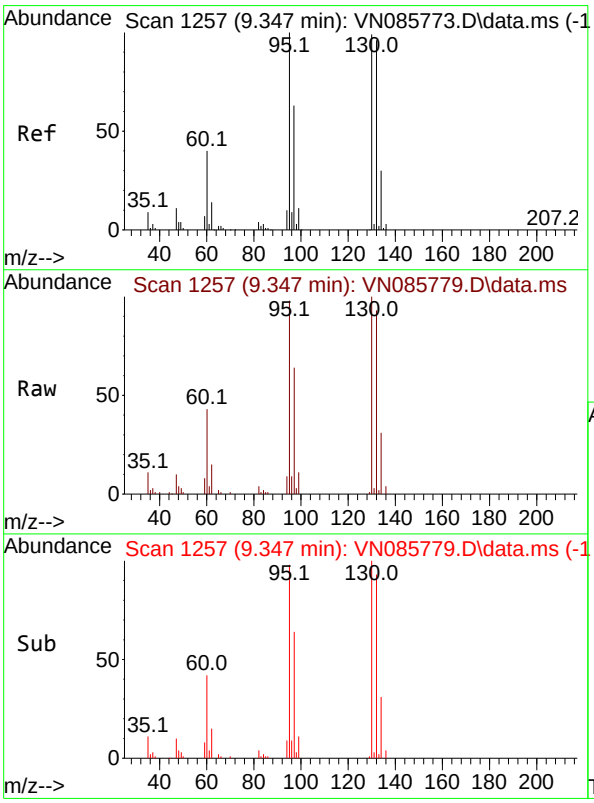
#43
Isopropyl Acetate
Concen: 19.709 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 138304

Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.6	34.0
87	14.2	11.8	17.8

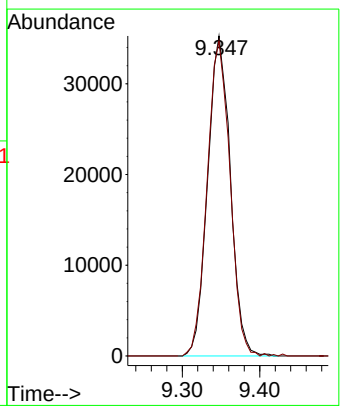


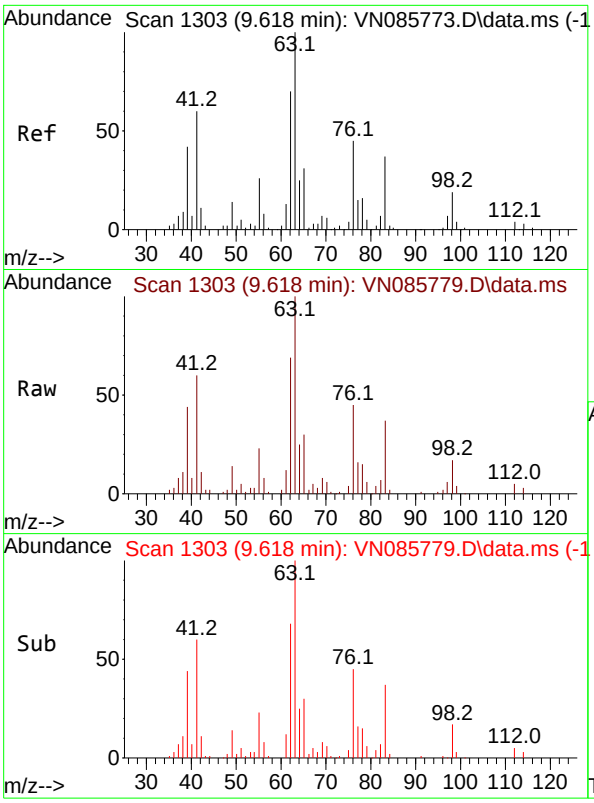


#44
Trichloroethene
Concen: 19.085 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:130 Resp: 71769

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	202.6



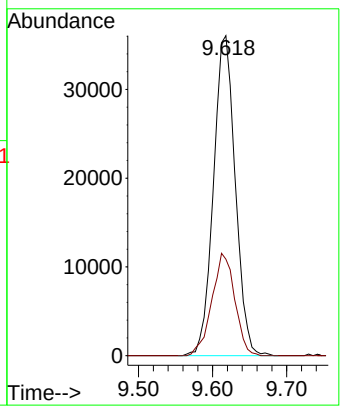


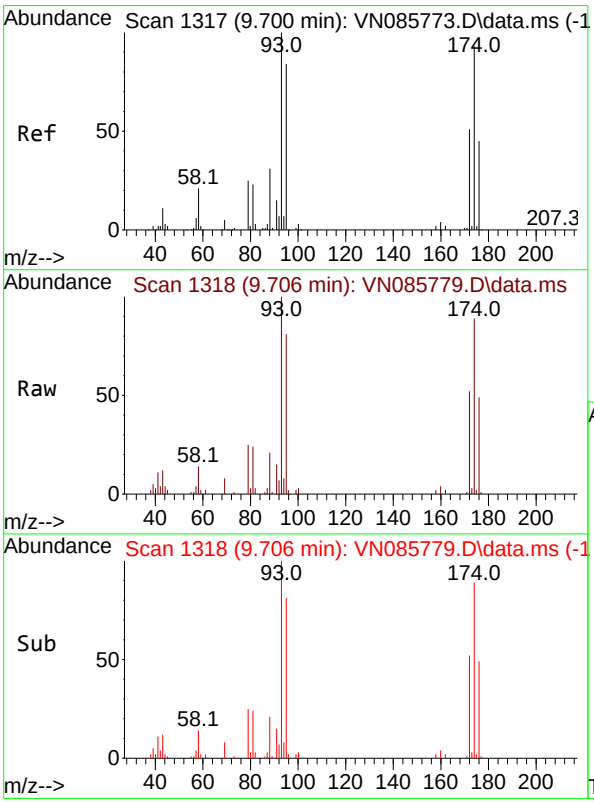
#45
1,2-Dichloropropane
Concen: 19.947 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 73743

Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.1	37.7

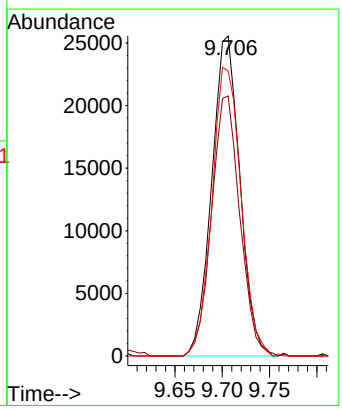


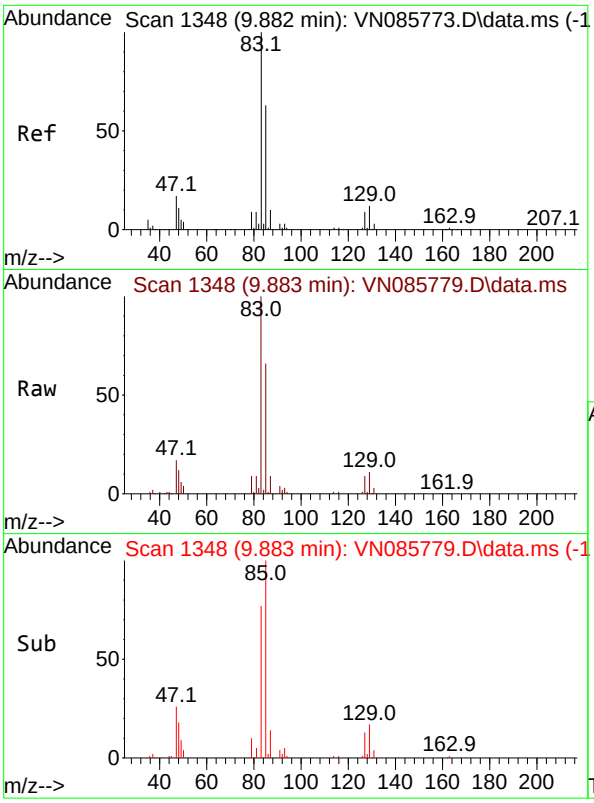


#46
Dibromomethane
Concen: 20.278 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 93 Resp: 52878

Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.7	100.1
174	93.0	77.2	115.8



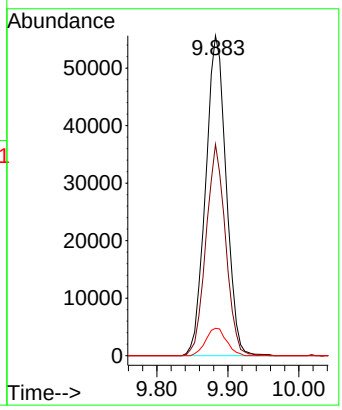


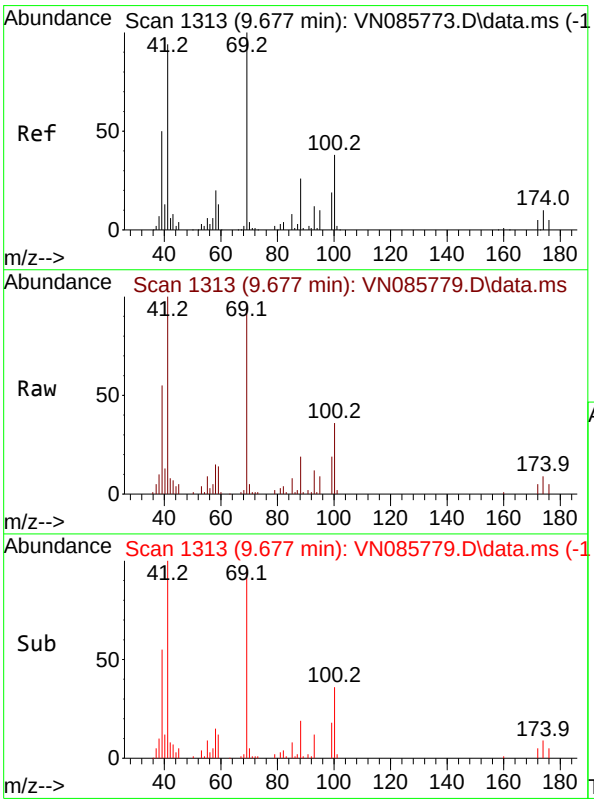
#47
Bromodichloromethane
Concen: 20.010 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 111634

Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.5	75.7
127	8.6	7.2	10.8

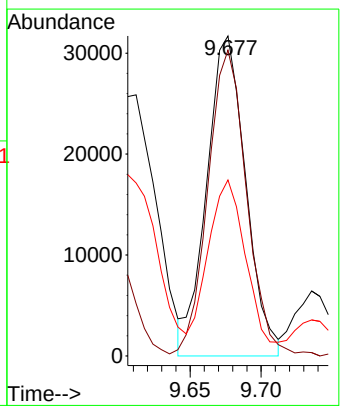


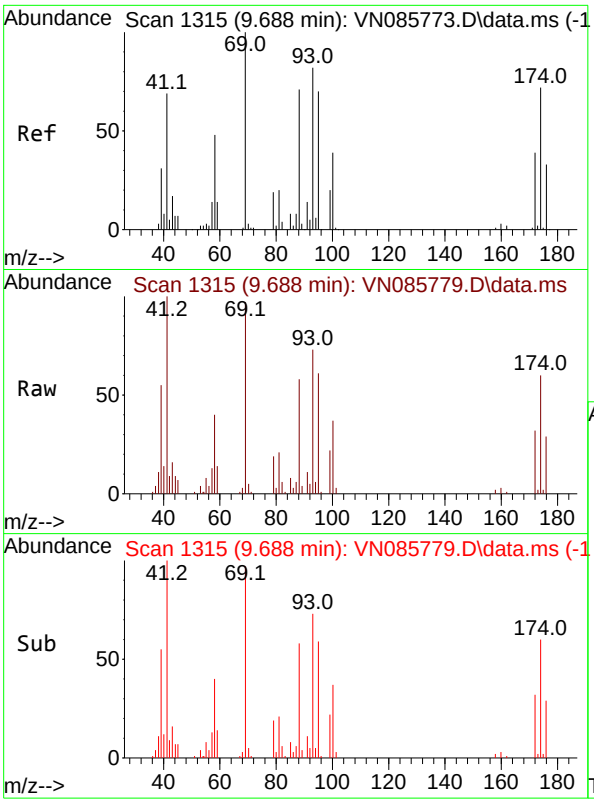


#48
Methyl methacrylate
Concen: 20.781 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 41 Resp: 60690

Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.0	114.0
39	54.7	42.3	63.5



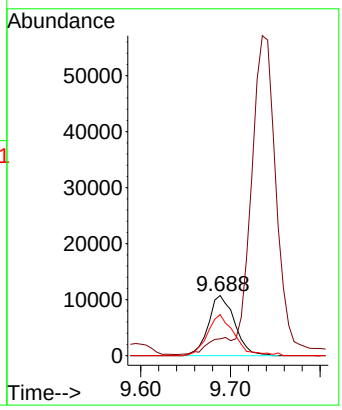


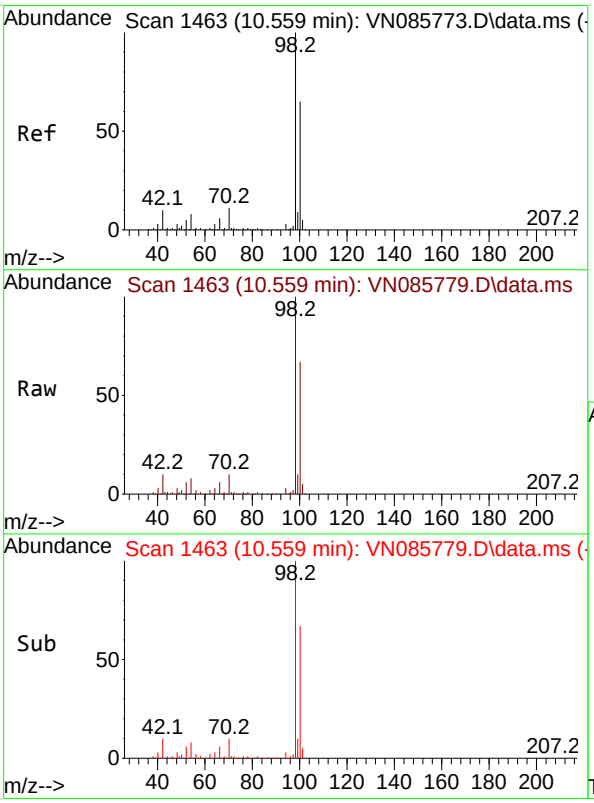
#49
1,4-Dioxane
Concen: 392.137 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 21778

Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.6	27.8#
58	70.5	56.7	85.1

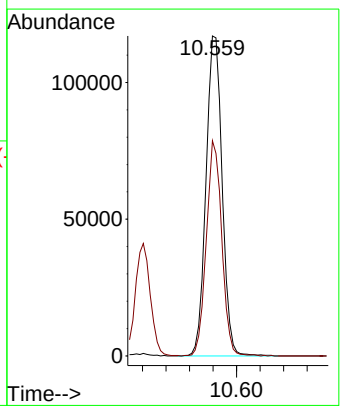


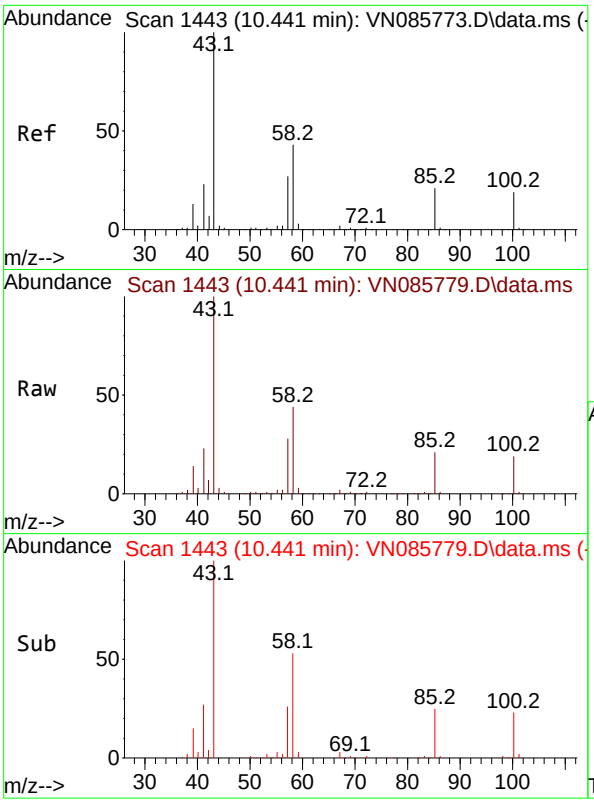


#50
Toluene-d8
Concen: 18.140 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 98 Resp: 222839

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1



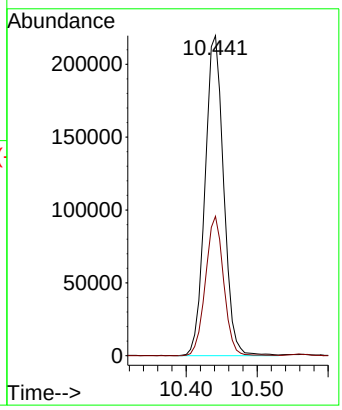


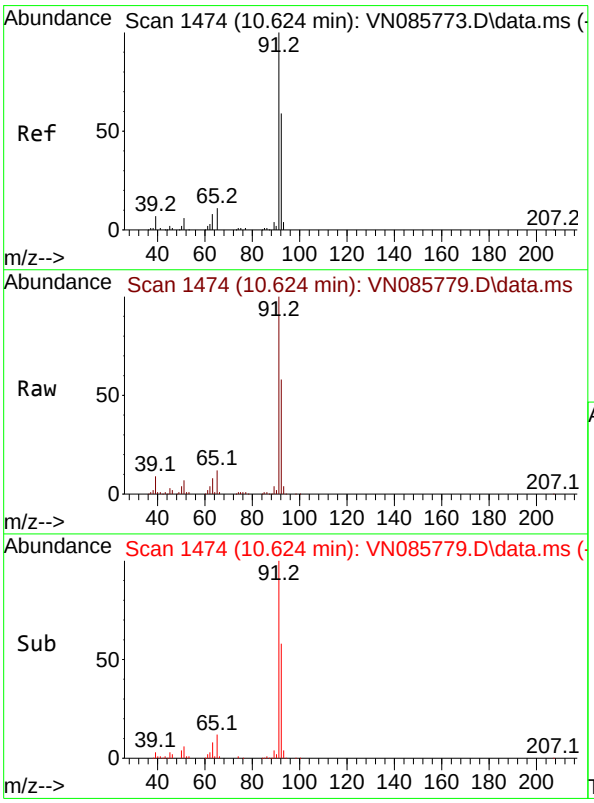
#51
4-Methyl-2-Pentanone
Concen: 105.563 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 400235

Ion	Ratio	Lower	Upper
43	100		
58	42.5	34.6	52.0

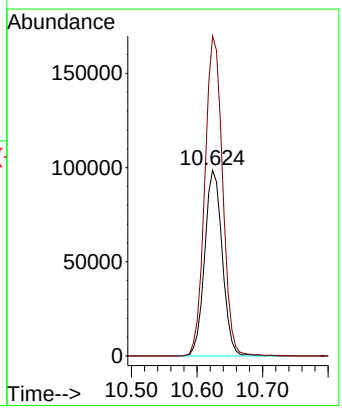


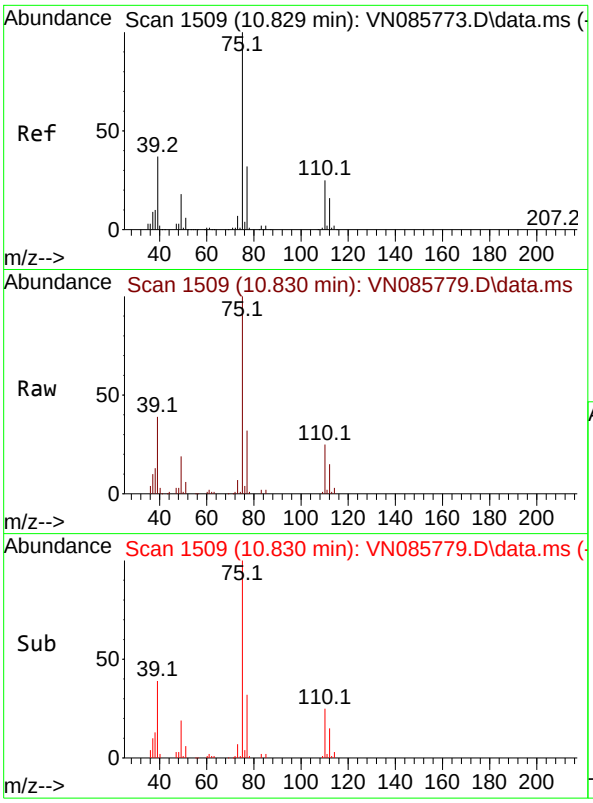


#52
Toluene
Concen: 20.495 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 92 Resp: 184001

Ion	Ratio	Lower	Upper
92	100		
91	173.5	136.9	205.3



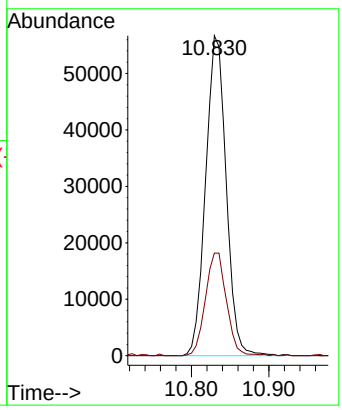


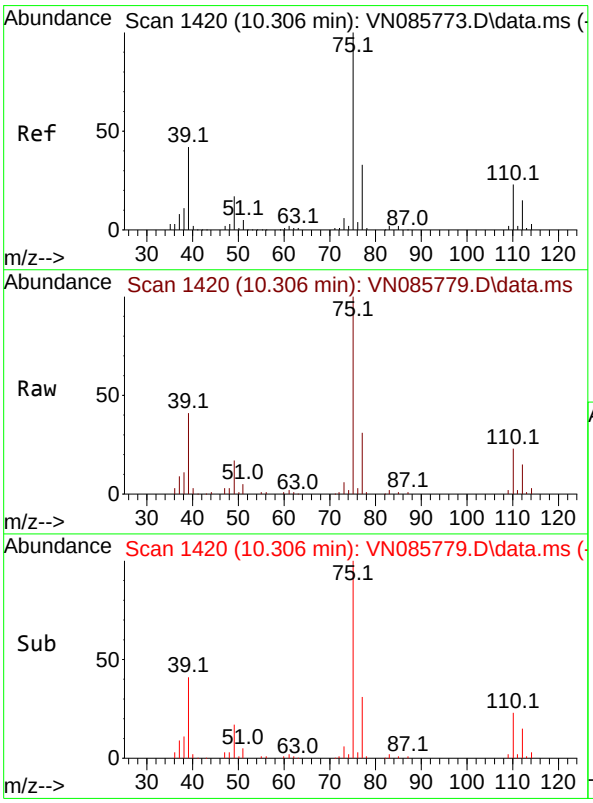
#53
t-1,3-Dichloropropene
Concen: 20.218 ug/l
RT: 10.830 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 104301

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

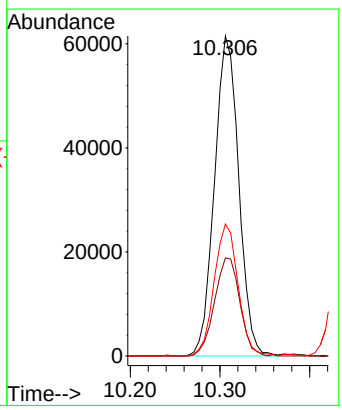


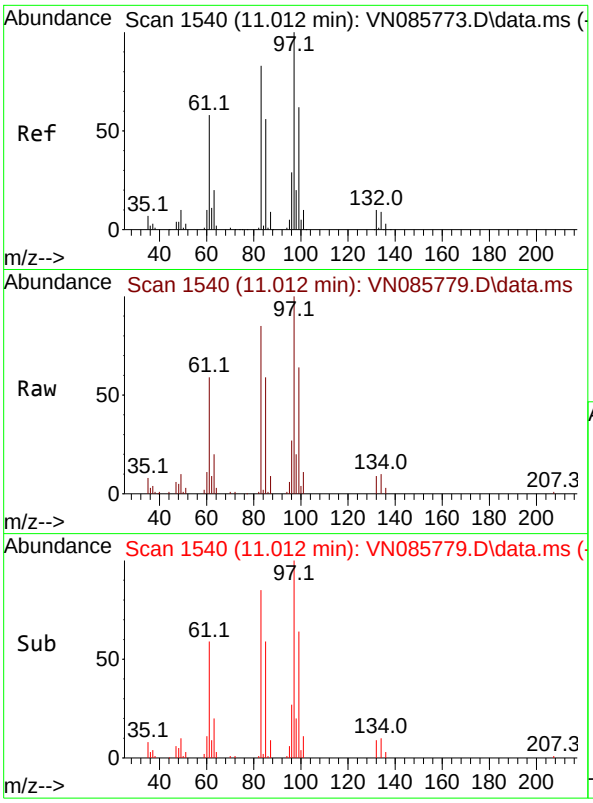


#54
cis-1,3-Dichloropropene
Concen: 20.409 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 115451

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.1	39.1
39	41.2	33.4	50.0



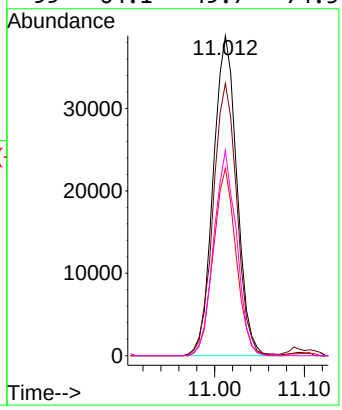


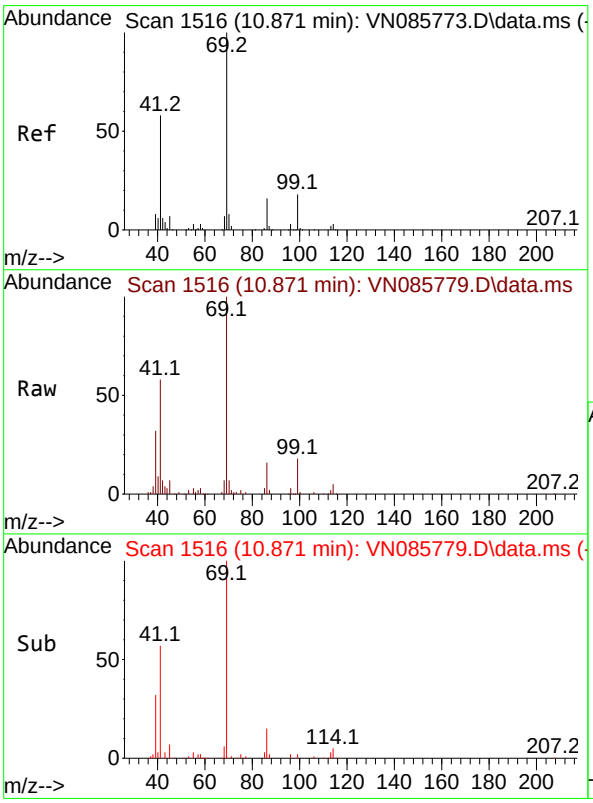
#55
1,1,2-Trichloroethane
Concen: 19.900 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 71034

Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.1	99.1
85	58.6	44.7	67.1
99	64.1	49.7	74.5

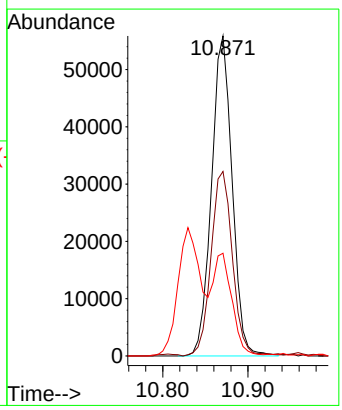


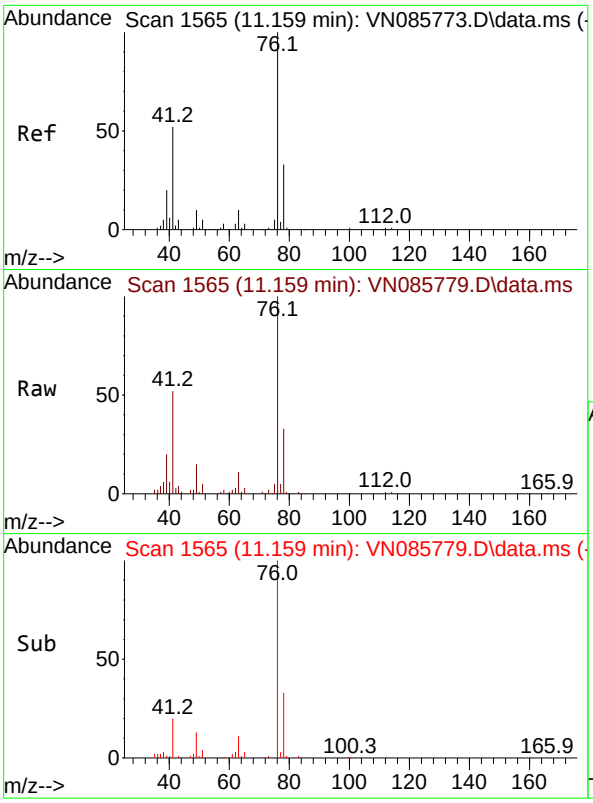


#56
Ethyl methacrylate
Concen: 20.003 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 69 Resp: 94315

Ion	Ratio	Lower	Upper
69	100		
41	60.1	46.0	69.0
39	28.6	22.0	33.0



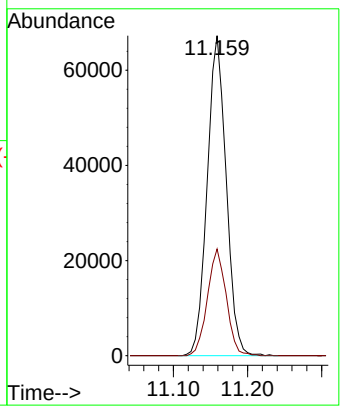


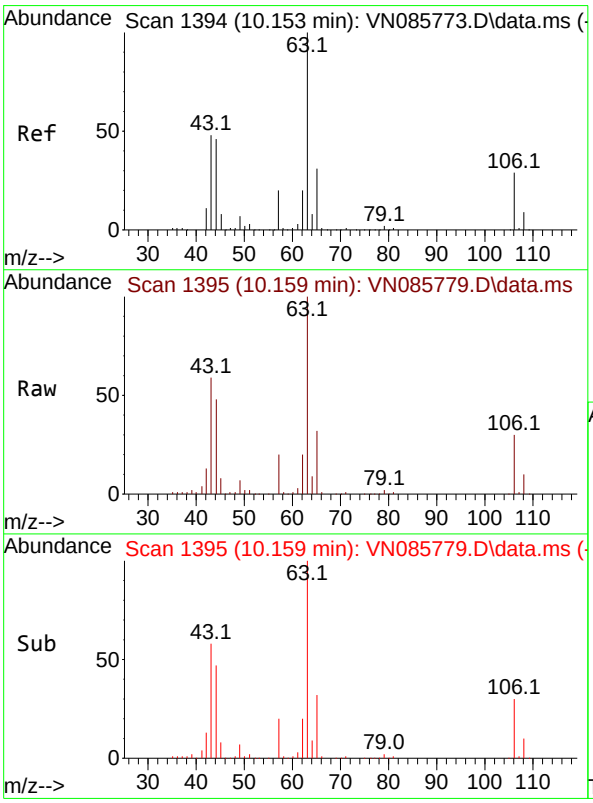
#57
1,3-Dichloropropane
Concen: 20.080 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 119649

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.9	38.9

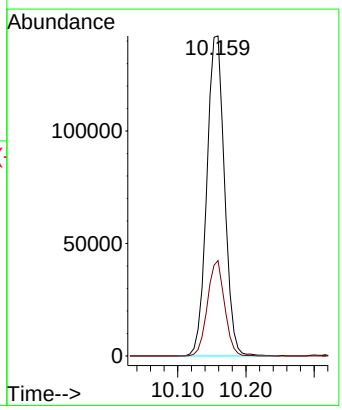


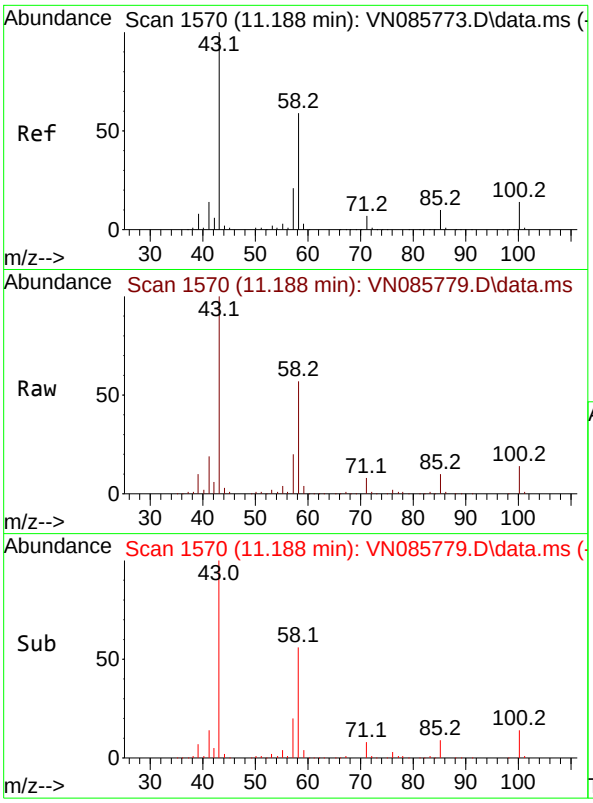


#58
2-Chloroethyl Vinyl ether
Concen: 146.107 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 63 Resp: 256540

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.7	34.1



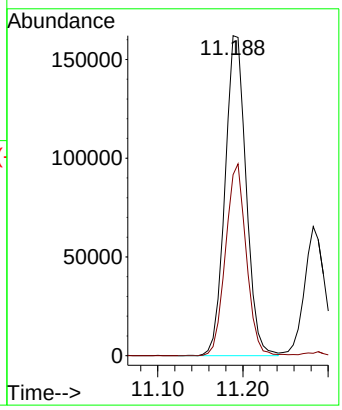


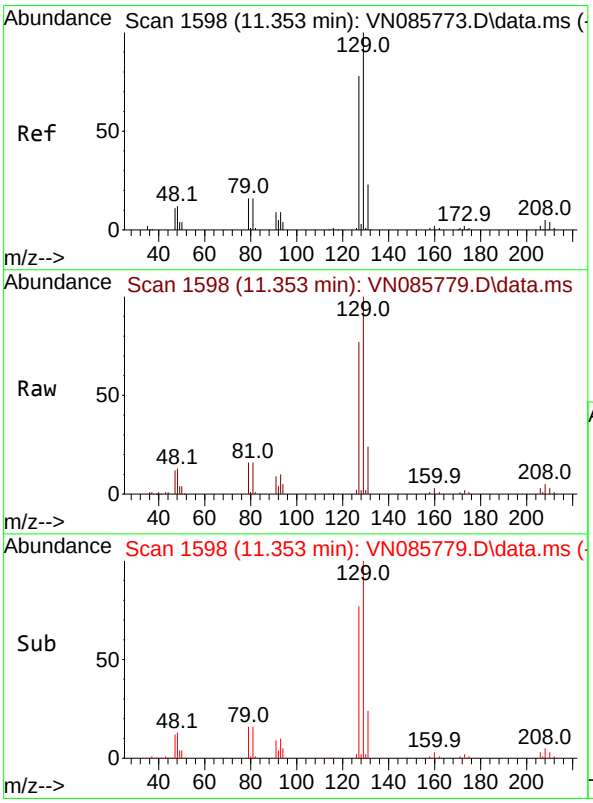
#59
2-Hexanone
Concen: 106.794 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 278550

Ion	Ratio	Lower	Upper
43	100		
58	58.8	29.8	89.5

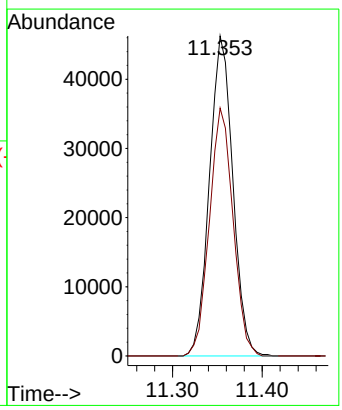


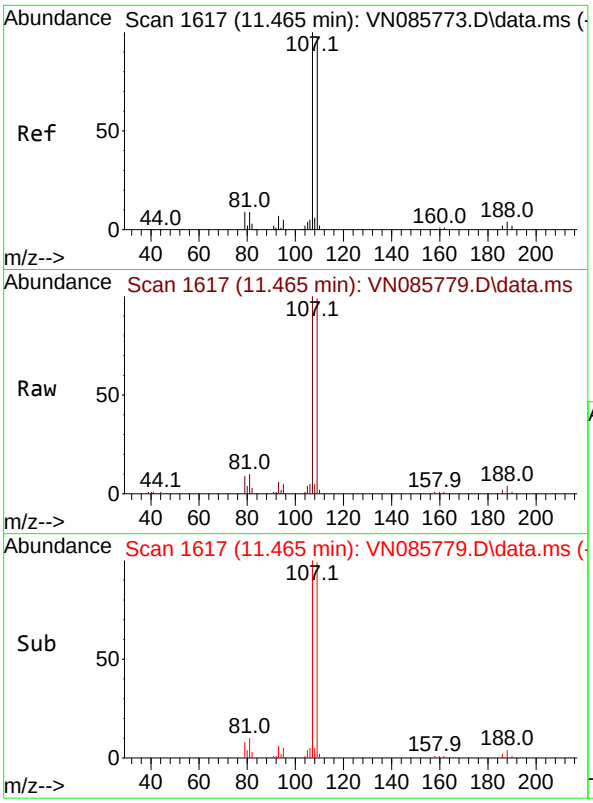


#60
Dibromochloromethane
Concen: 20.125 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:129 Resp: 83651

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.5



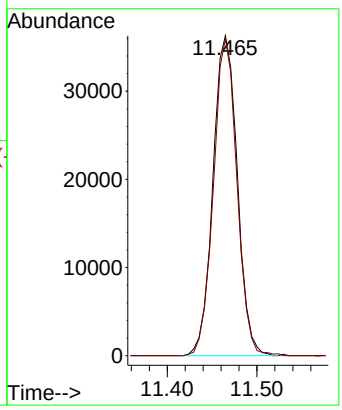


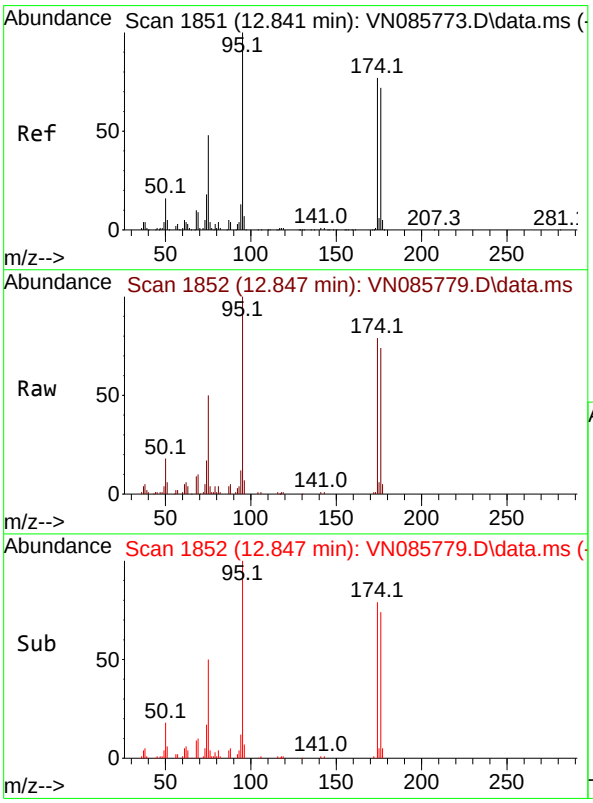
#61
1,2-Dibromoethane
Concen: 20.223 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 68205

Ion	Ratio	Lower	Upper
107	100		
109	95.6	76.0	114.0

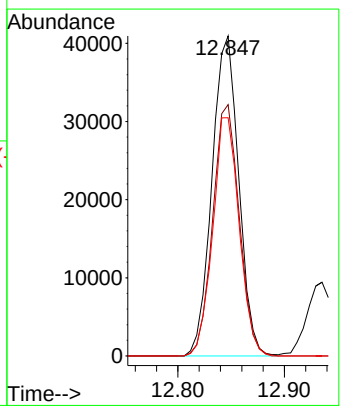


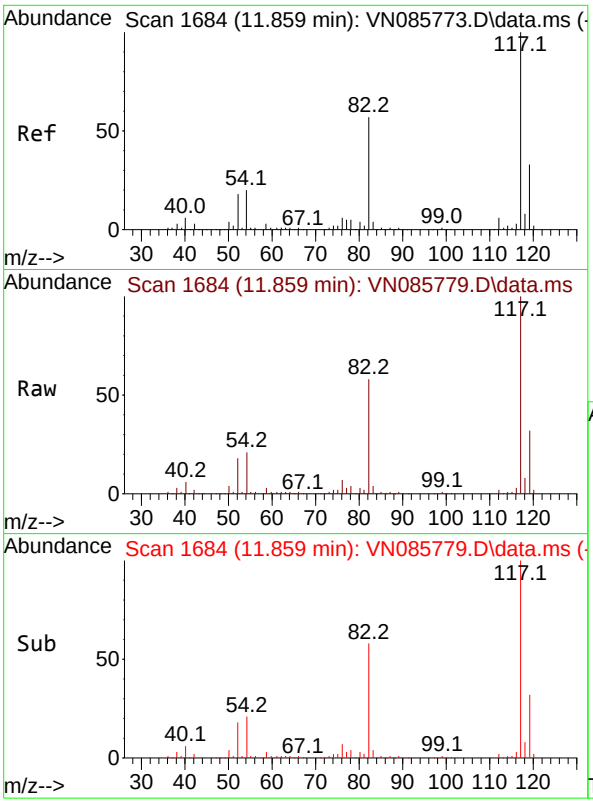


#62
4-Bromofluorobenzene
Concen: 17.627 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 95 Resp: 71343

Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	152.4
176	73.6	0.0	146.6



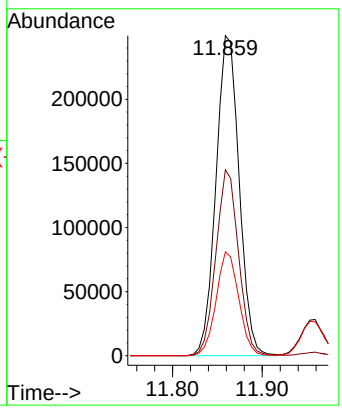


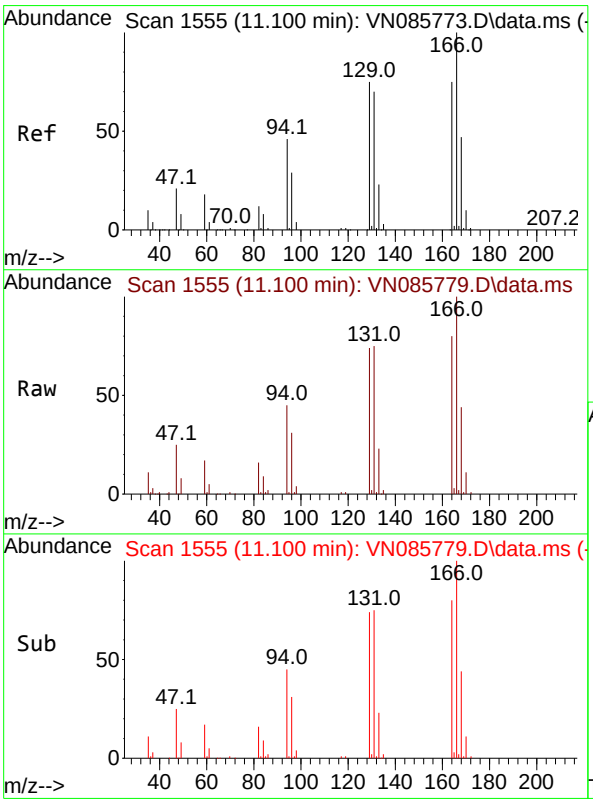
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 448882

Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.7	68.5
119	32.5	26.2	39.2

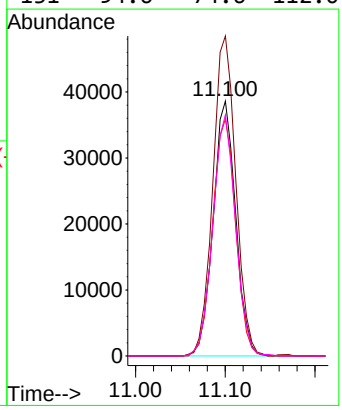


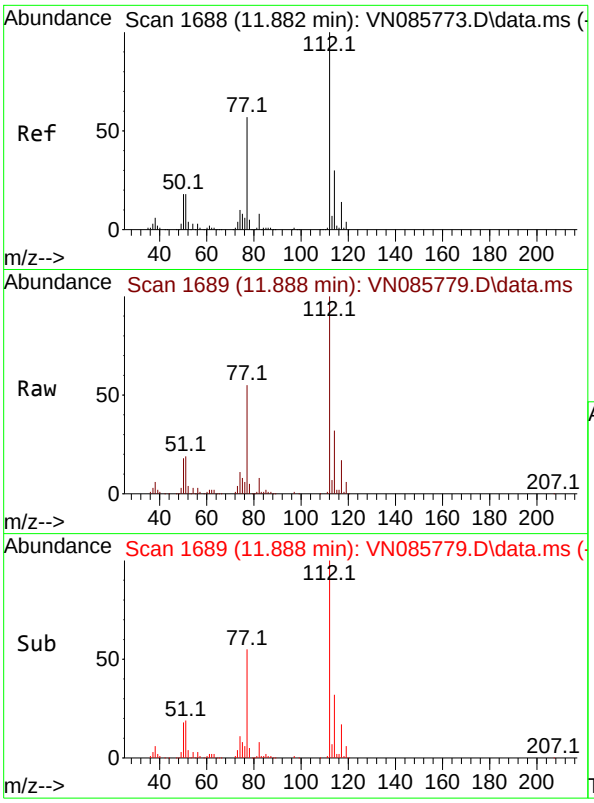


#64
Tetrachloroethene
Concen: 19.350 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:164 Resp: 67288

Ion	Ratio	Lower	Upper
164	100		
166	125.5	107.2	160.8
129	93.0	80.7	121.1
131	94.6	74.6	112.0



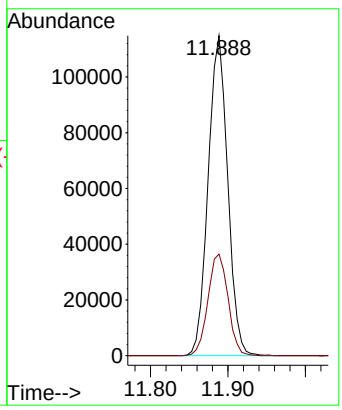


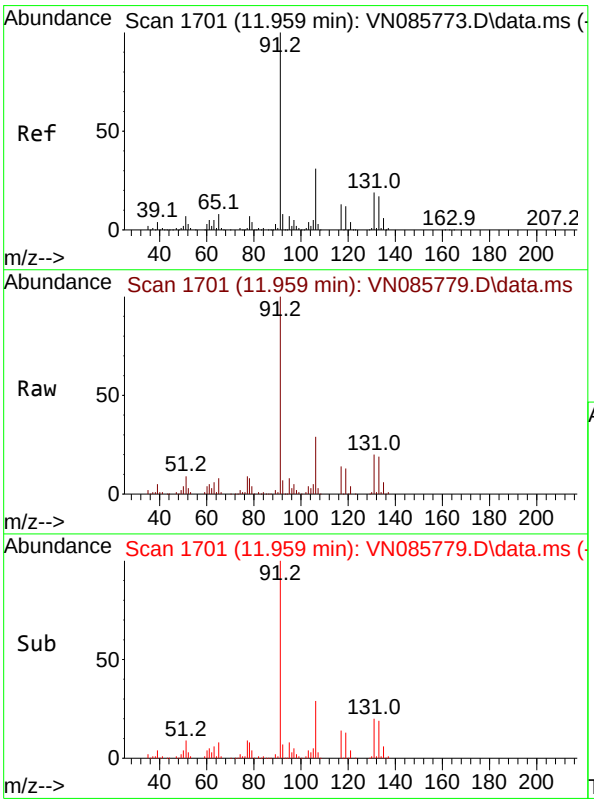
#65
Chlorobenzene
Concen: 19.535 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 200885

Ion	Ratio	Lower	Upper
112	100		
114	31.8	24.3	36.5

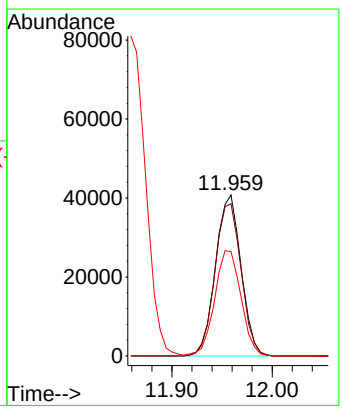


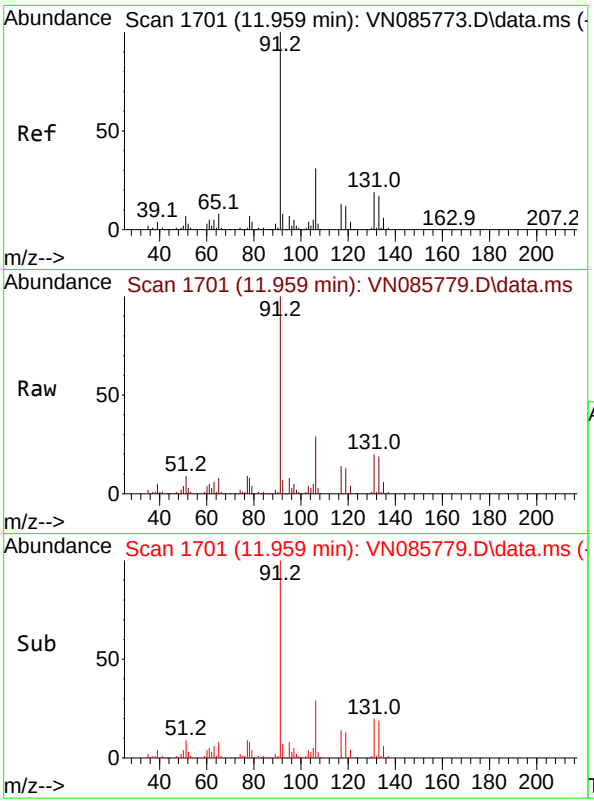


#66
1,1,1,2-Tetrachloroethane
Concen: 19.497 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:131 Resp: 72064

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.7	143.1
119	67.5	33.3	99.8



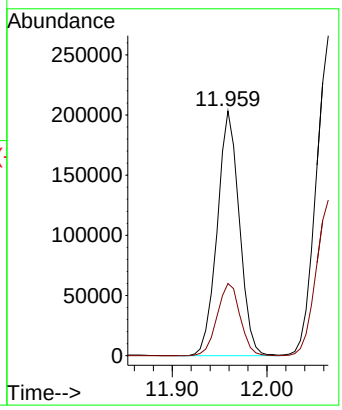


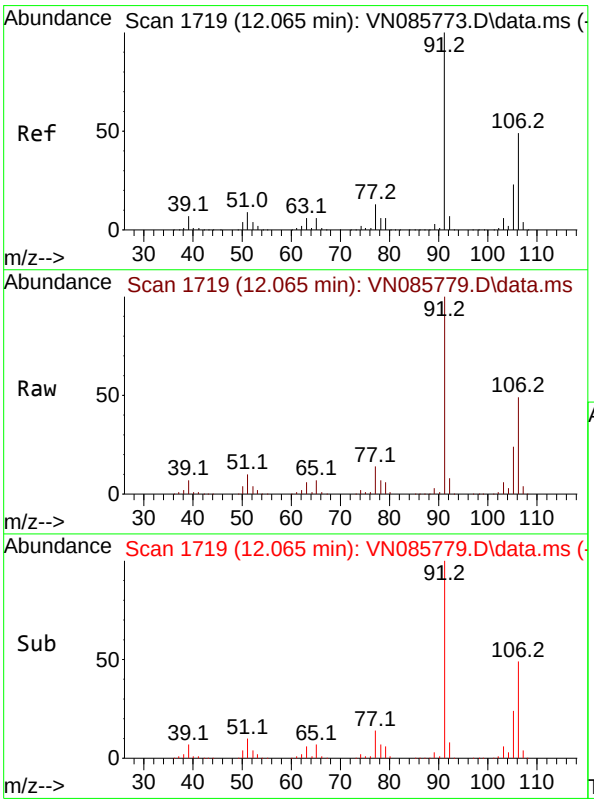
#67
Ethyl Benzene
Concen: 20.490 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 330056

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.7	37.1

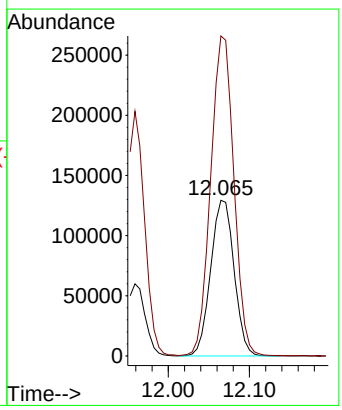


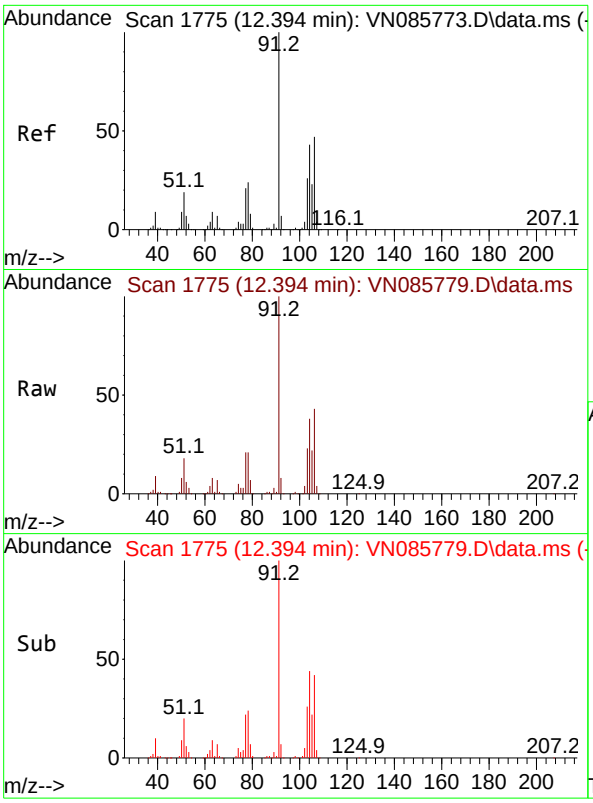


#68
m/p-Xylenes
Concen: 42.371 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:106 Resp: 259251

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.3	244.9



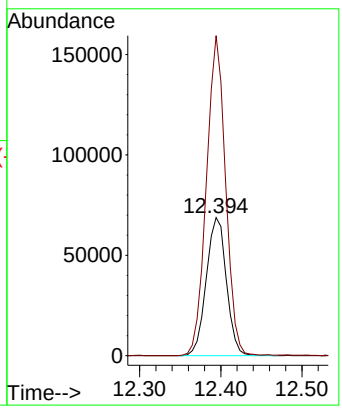


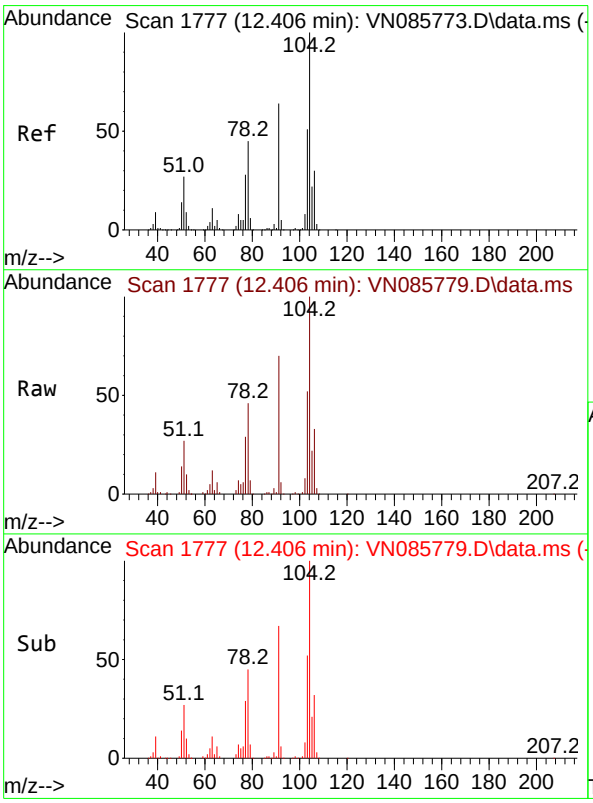
#69
o-Xylene
Concen: 20.345 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 118291

Ion	Ratio	Lower	Upper
106	100		
91	220.6	107.1	321.4

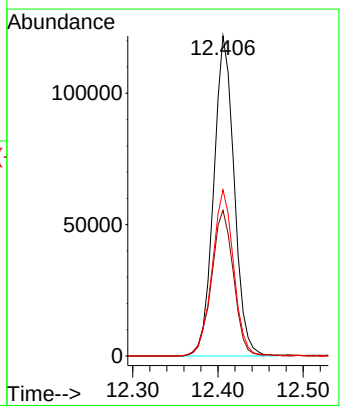


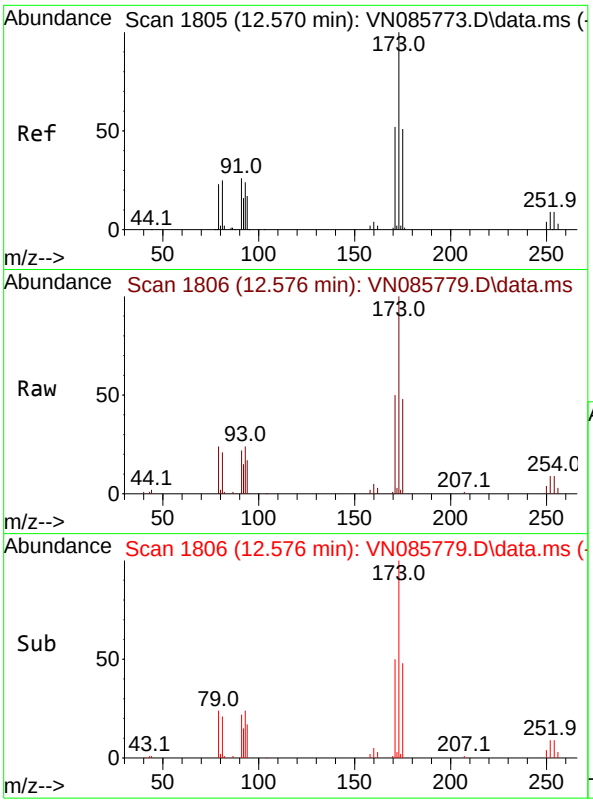


#70
Styrene
Concen: 20.270 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:104 Resp: 203369

Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.0	58.6
103	54.5	43.3	64.9



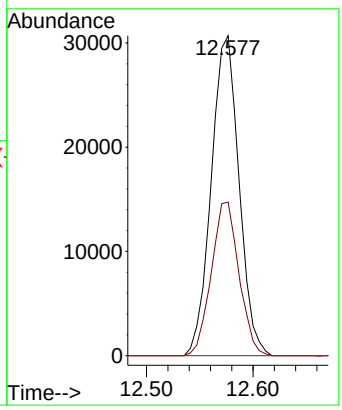


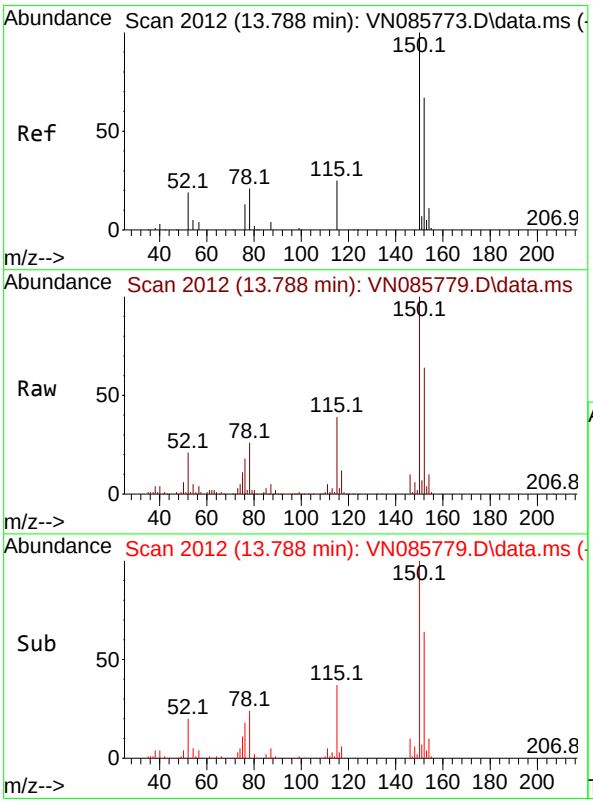
#71
Bromoform
Concen: 20.214 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 55518

Ion	Ratio	Lower	Upper
173	100		
175	47.8	25.1	75.4
254	0.0	0.0	0.0

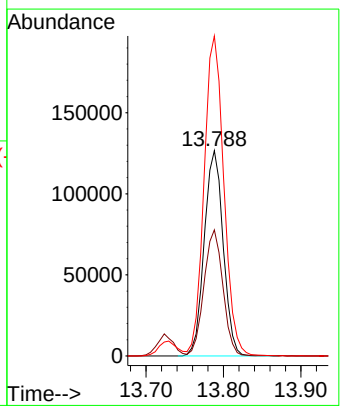


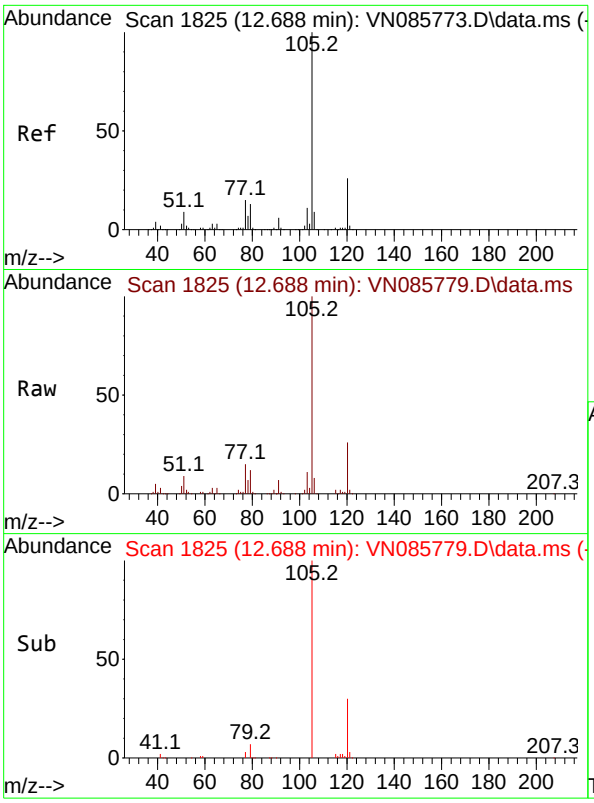


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:152 Resp: 214863

Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.4	91.3
150	162.5	0.0	345.4



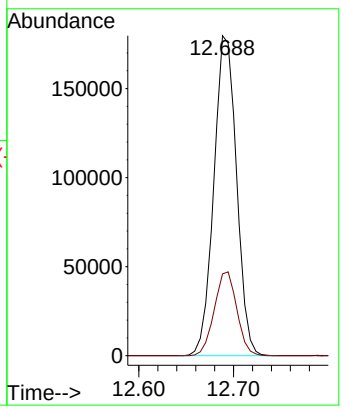


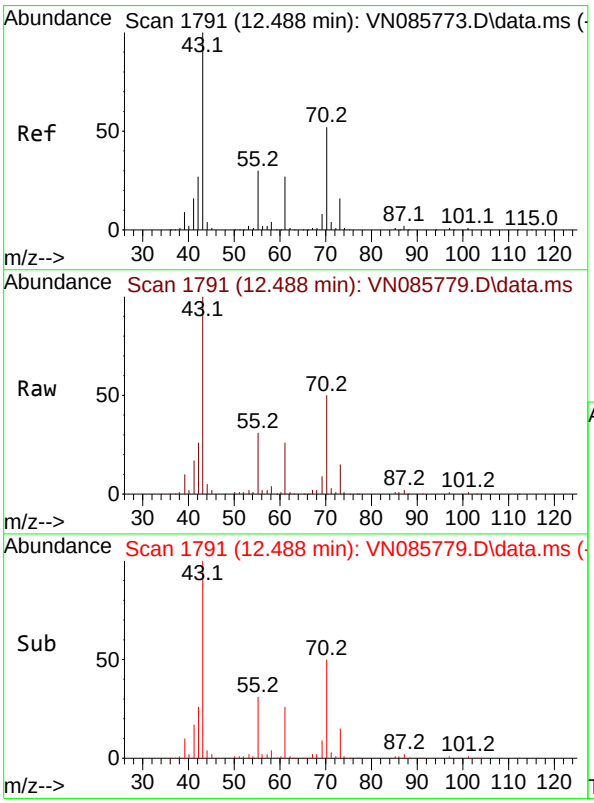
#73
Isopropylbenzene
Concen: 20.339 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 299398

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	39.0

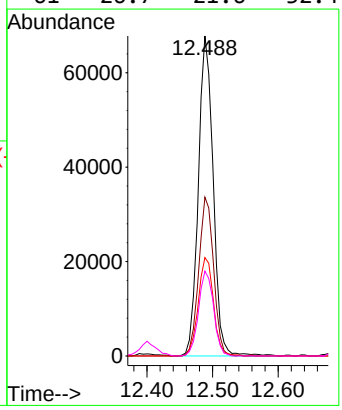


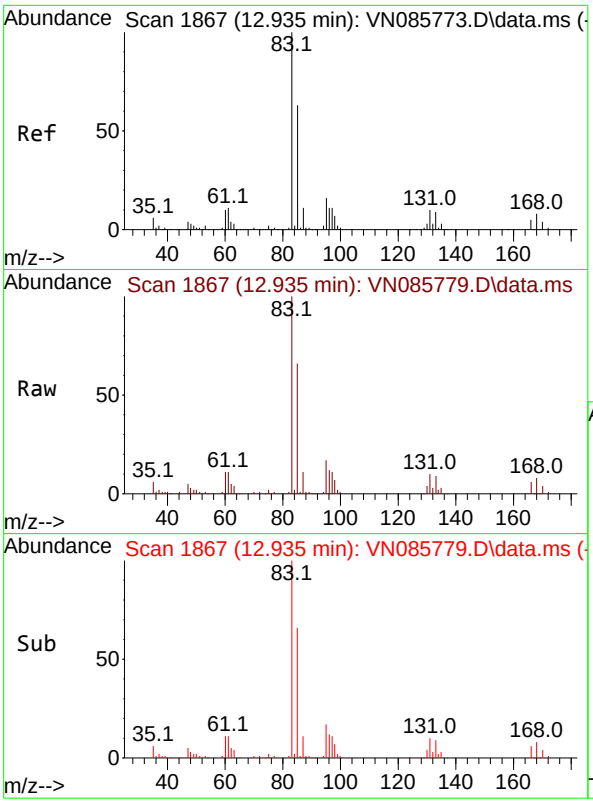


#74
N-amyl acetate
Concen: 20.608 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 43 Resp: 106973

Ion	Ratio	Lower	Upper
43	100		
70	49.5	41.0	61.4
55	31.5	24.6	36.8
61	26.7	21.6	32.4



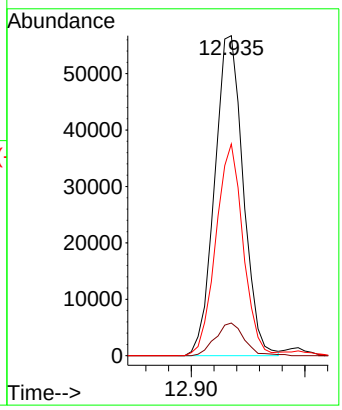


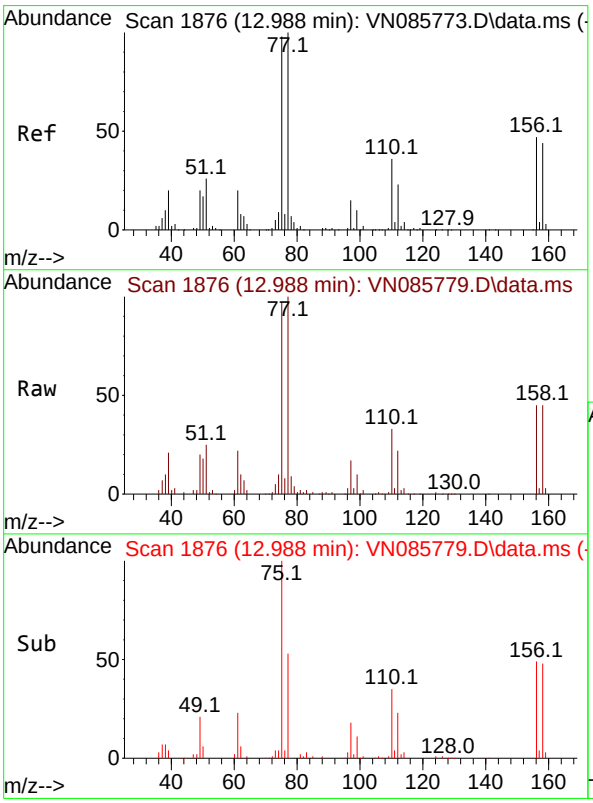
#75
1,1,2,2-Tetrachloroethane
Concen: 19.579 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 99174

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	63.2	32.2	96.6

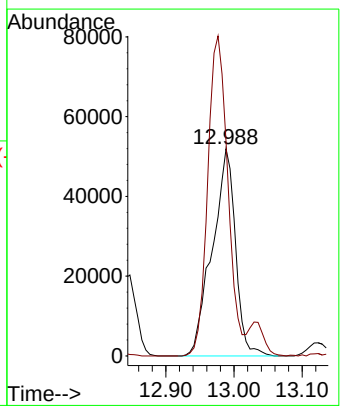


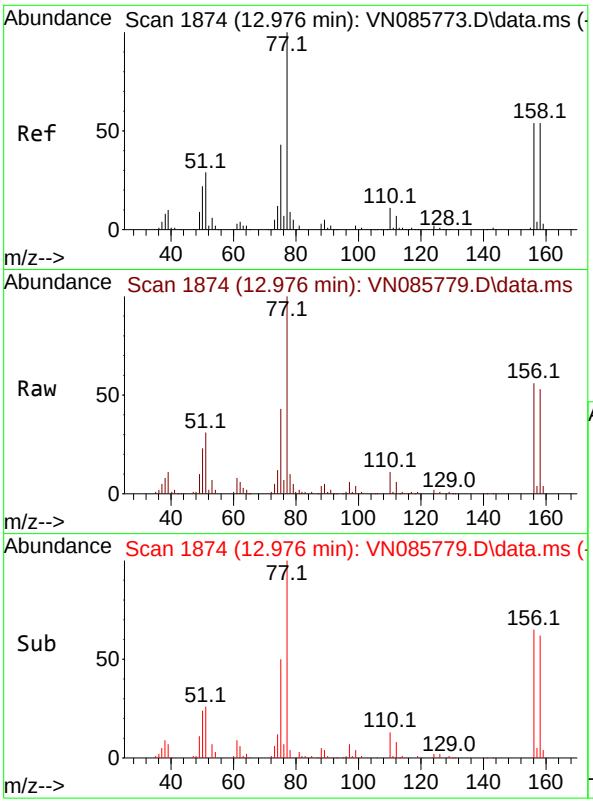


#76
1,2,3-Trichloropropane
Concen: 26.085 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 123129

Ion	Ratio	Lower	Upper
75	100		
77	134.5	100.0	300.0



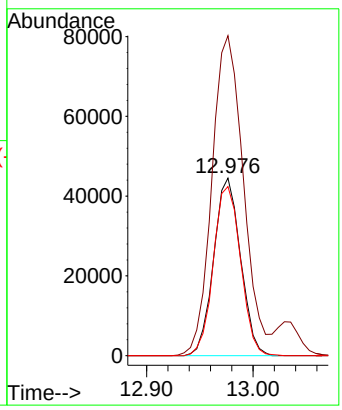


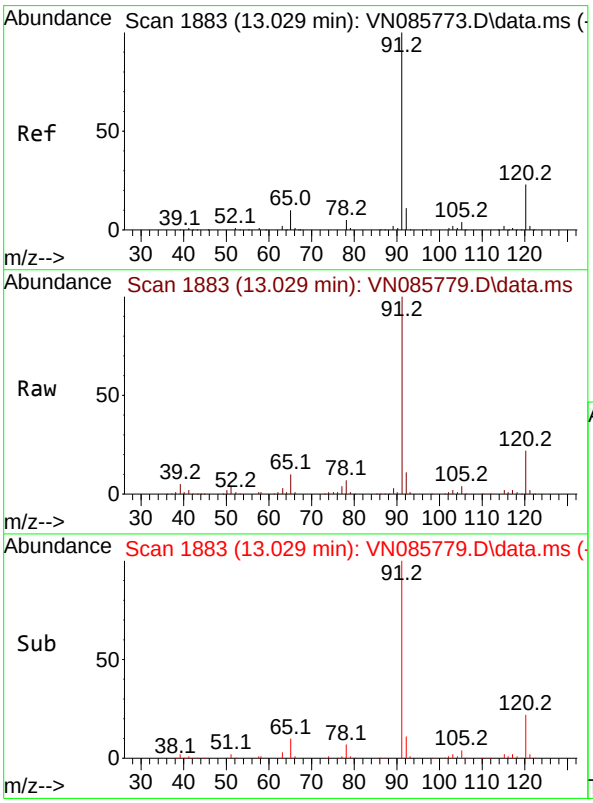
#77
Bromobenzene
Concen: 19.630 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 78068

Ion	Ratio	Lower	Upper
156	100		
77	212.2	104.1	312.3
158	96.5	48.1	144.4

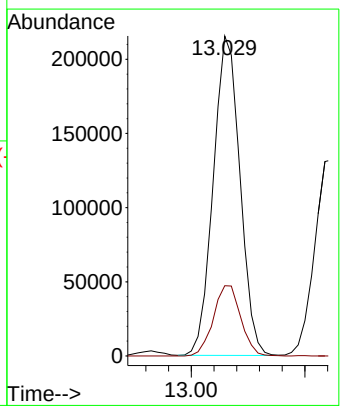


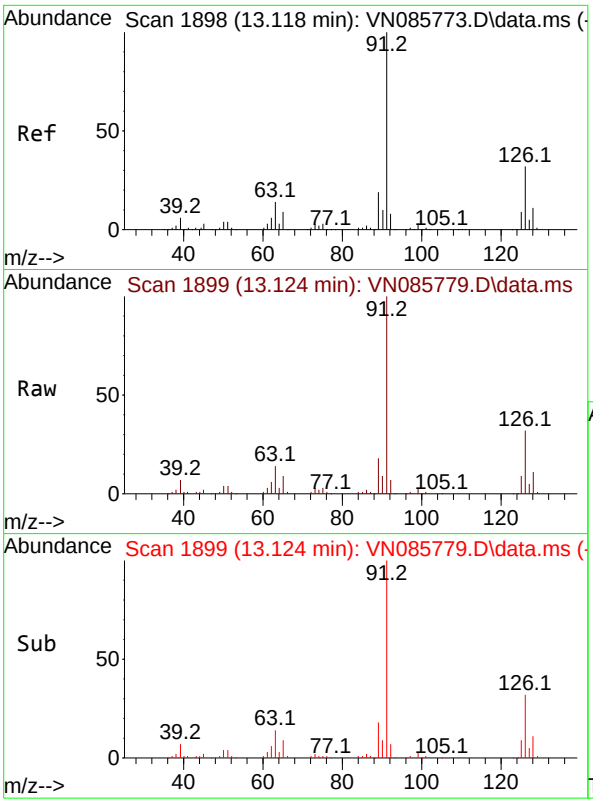


#78
n-propylbenzene
Concen: 20.852 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 91 Resp: 351518

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8



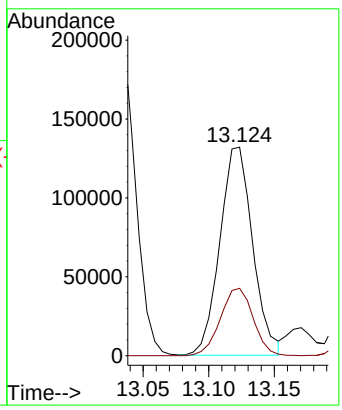


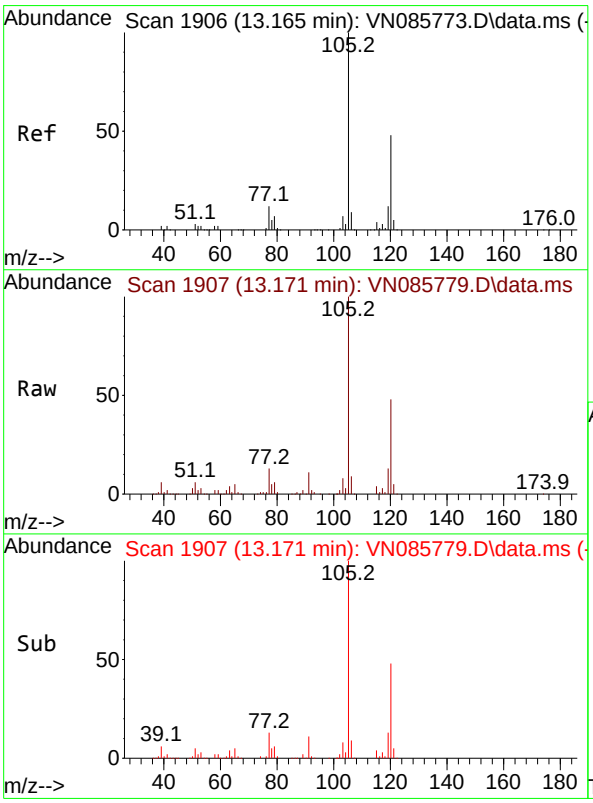
#79
2-Chlorotoluene
Concen: 20.458 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 230434

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.1

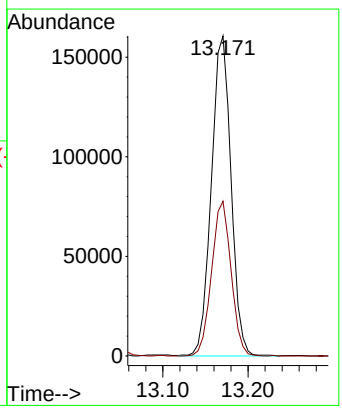


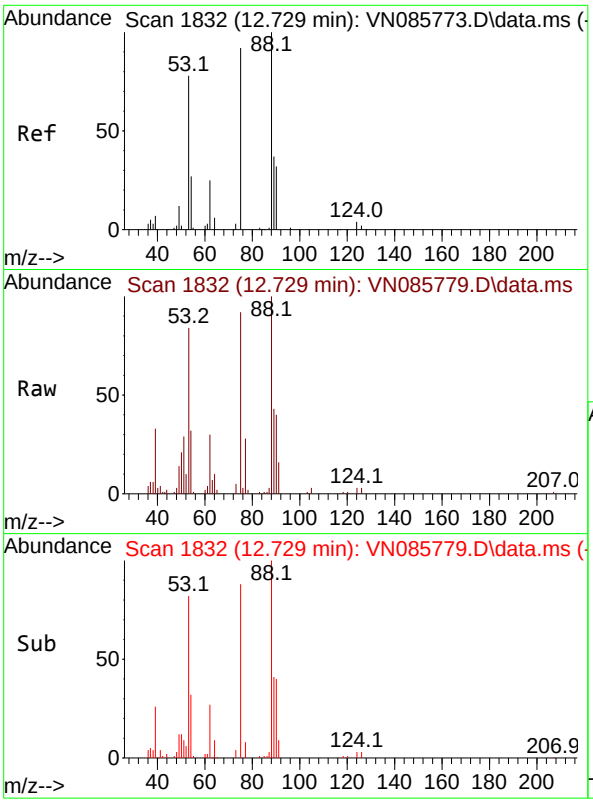


#80
1,3,5-Trimethylbenzene
Concen: 21.534 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:105 Resp: 258212

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	72.9



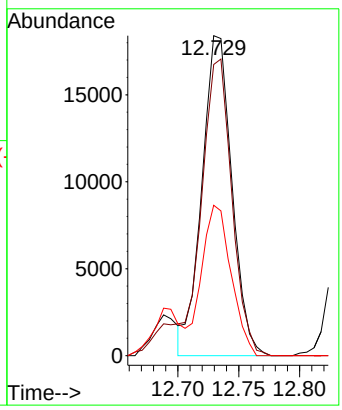


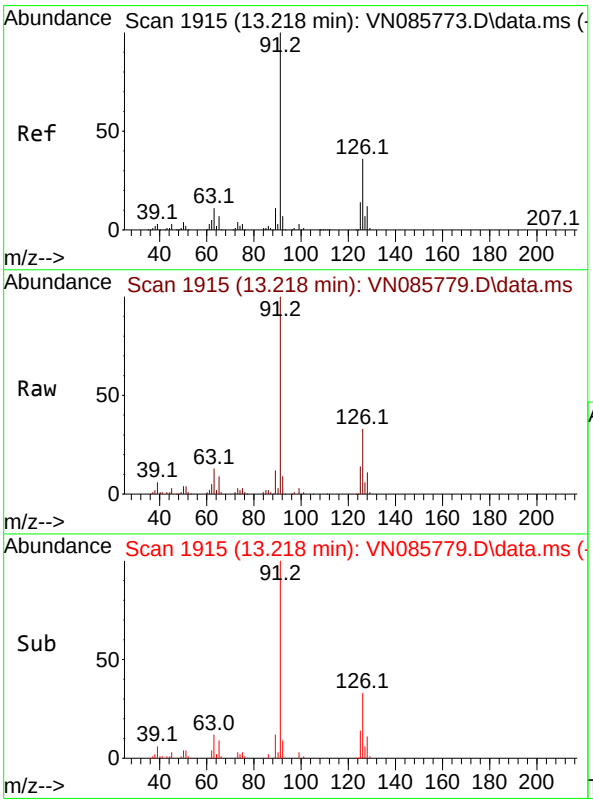
#81
trans-1,4-Dichloro-2-butene
Concen: 19.267 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 31517

Ion	Ratio	Lower	Upper
75	100		
53	102.2	74.2	111.4
89	46.3	34.9	52.3

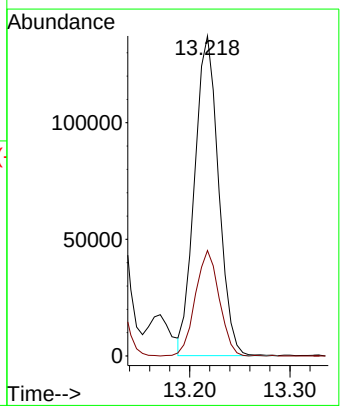


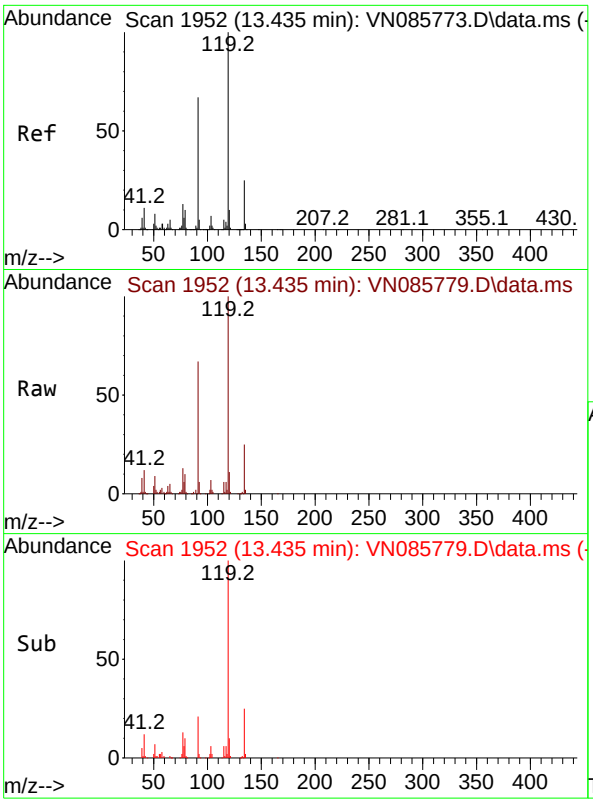


#82
4-Chlorotoluene
Concen: 20.345 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 91 Resp: 227177

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4



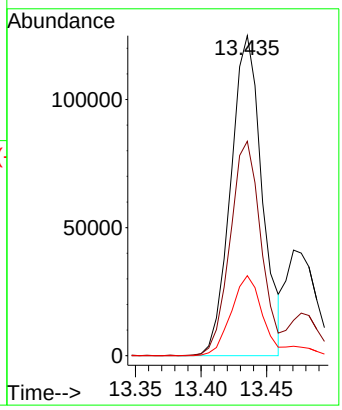


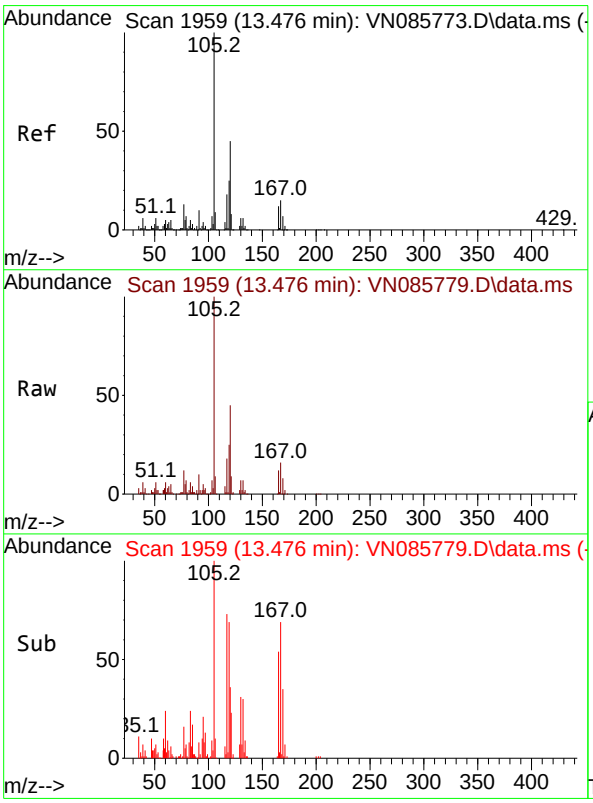
#83
tert-Butylbenzene
Concen: 20.637 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 208096

Ion	Ratio	Lower	Upper
119	100		
91	67.6	32.5	97.5
134	27.0	13.3	39.9

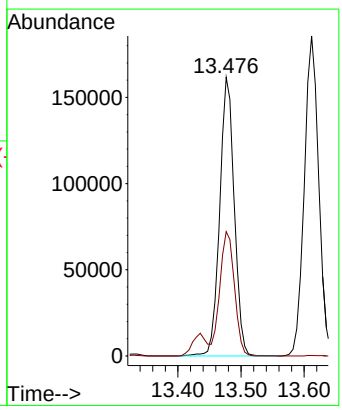


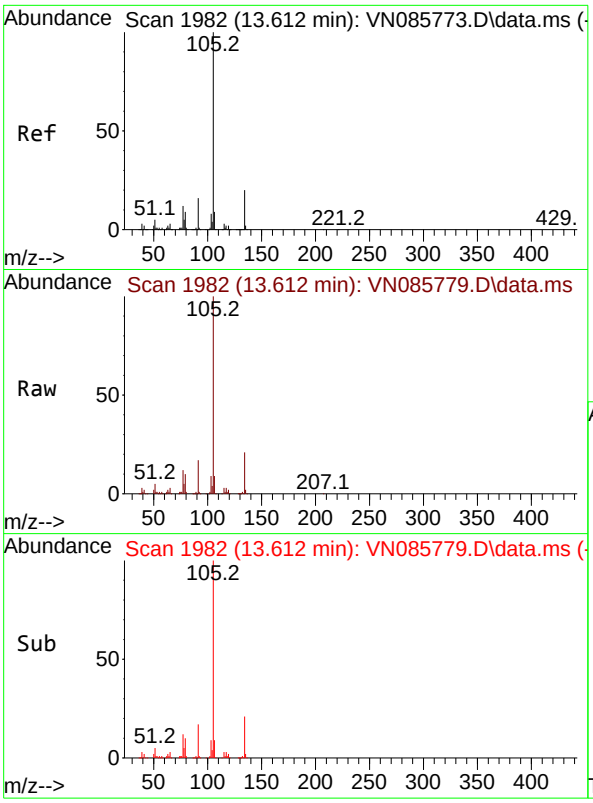


#84
1,2,4-Trimethylbenzene
Concen: 21.863 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:105 Resp: 259373

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3



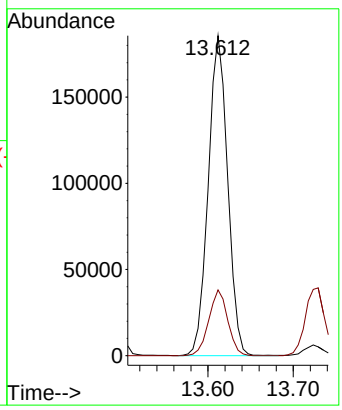


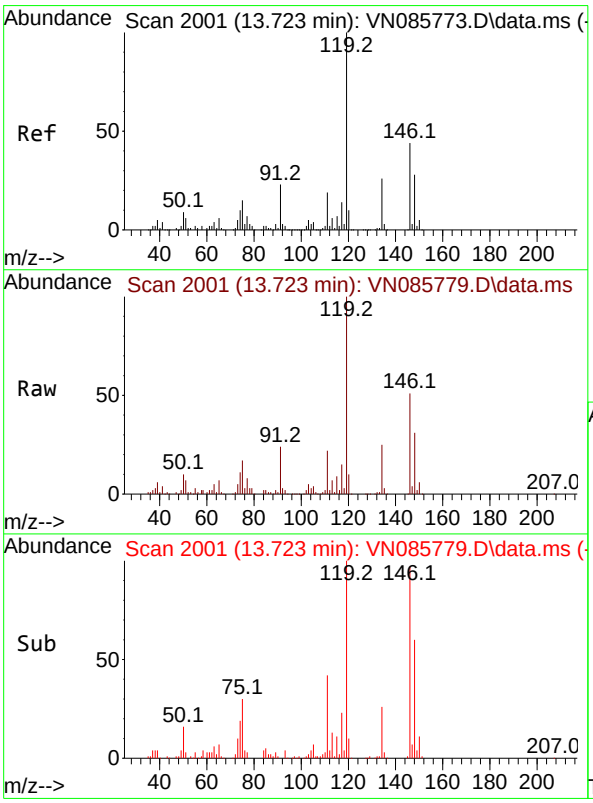
#85
sec-Butylbenzene
Concen: 20.612 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 293653

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4

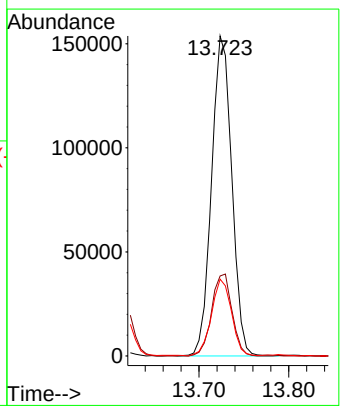


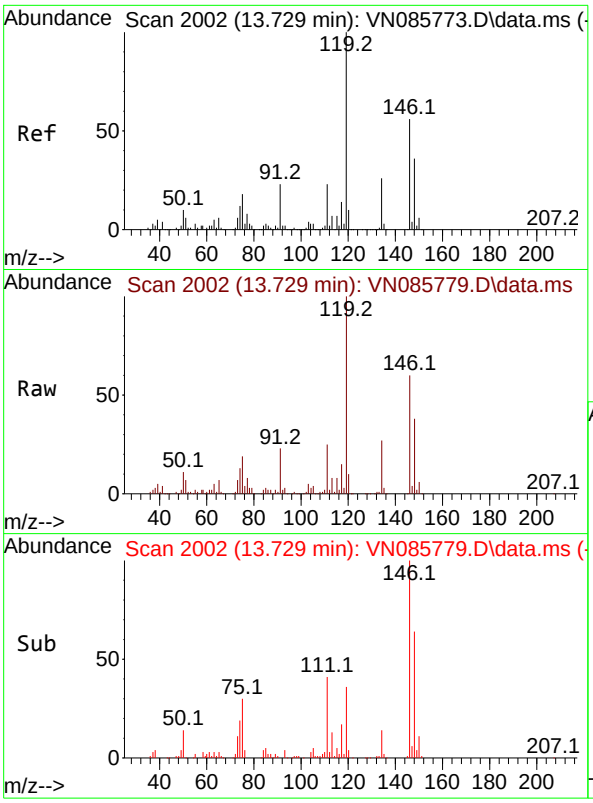


#86
p-Isopropyltoluene
Concen: 19.772 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:119 Resp: 240984

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	23.8	11.7	35.1



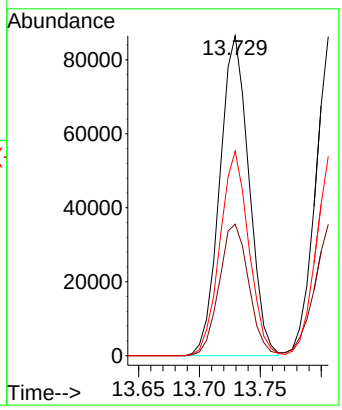


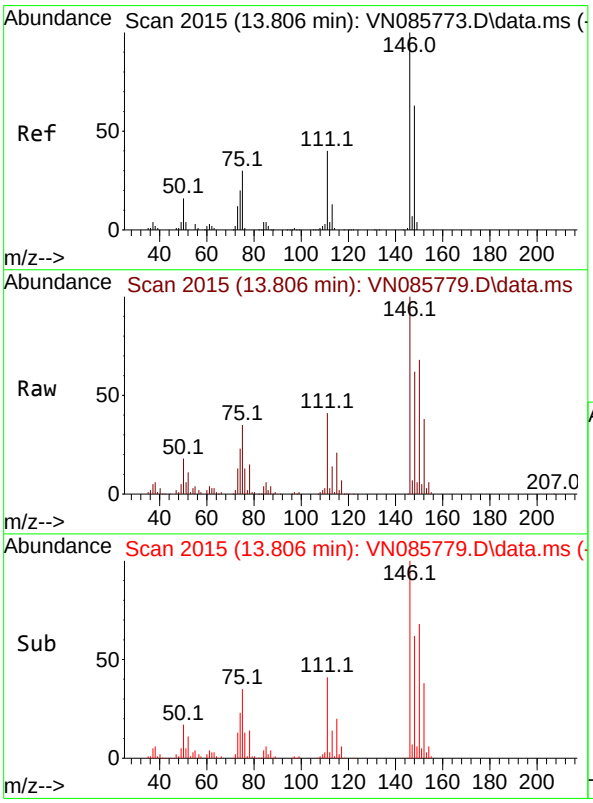
#87
1,3-Dichlorobenzene
Concen: 19.318 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 143937

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	63.3	32.1	96.5

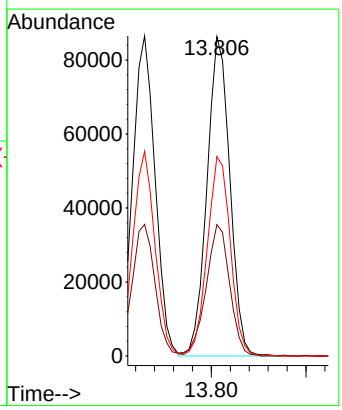


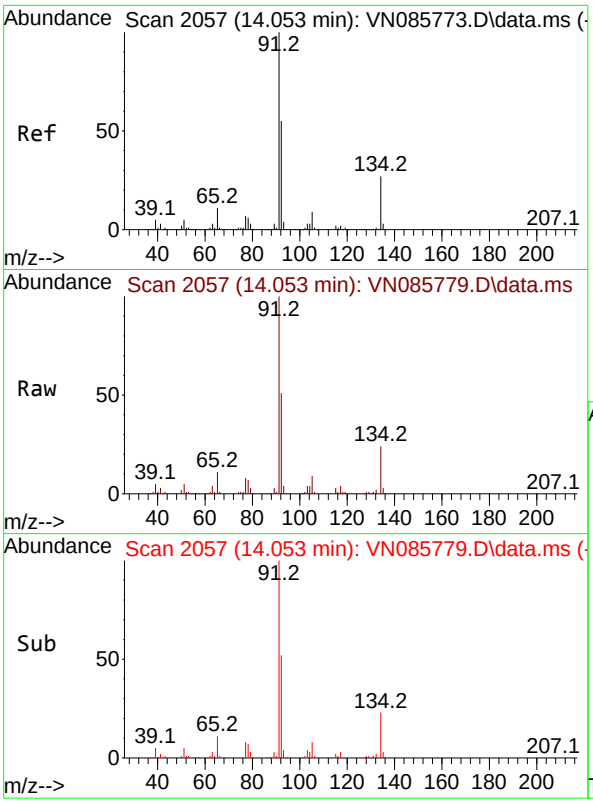


#88
1,4-Dichlorobenzene
Concen: 18.954 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:146 Resp: 144744

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.4	61.3
148	63.0	31.8	95.4



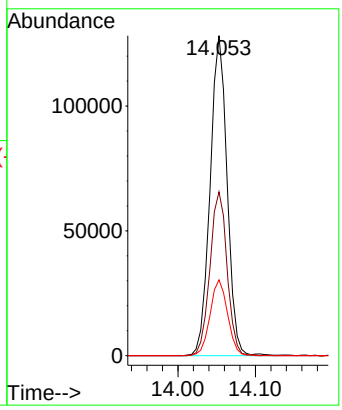


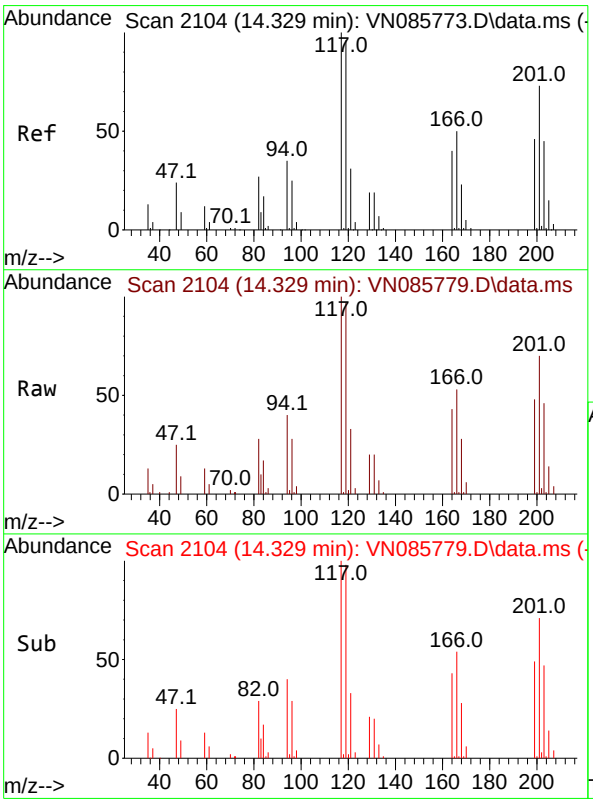
#89
n-Butylbenzene
Concen: 19.300 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 195221

Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.1	81.3
134	24.4	12.7	38.1

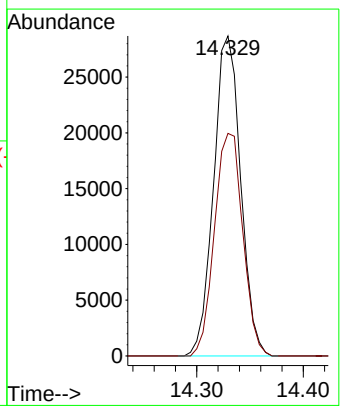


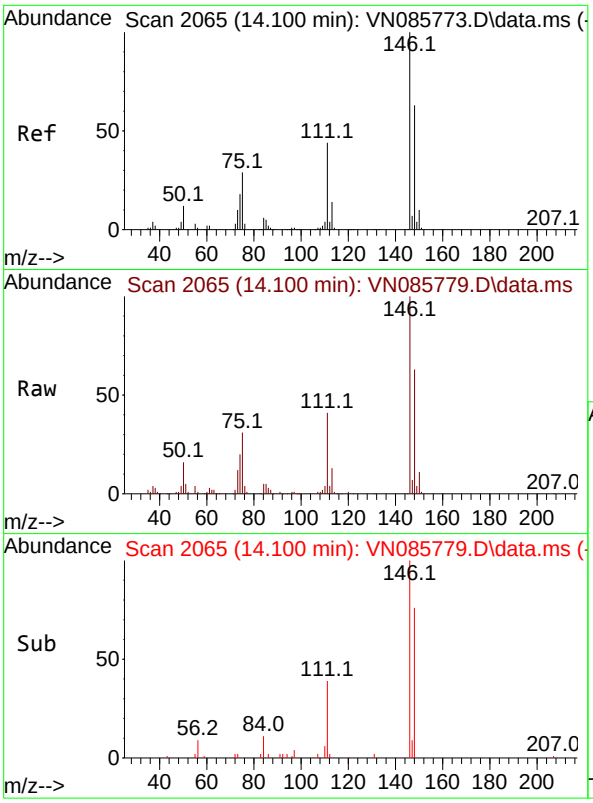


#90
Hexachloroethane
Concen: 18.753 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:117 Resp: 50599

Ion	Ratio	Lower	Upper
117	100		
201	72.8	35.6	106.9



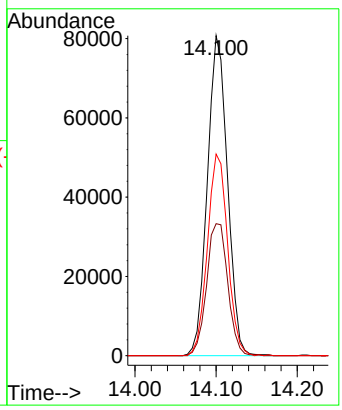


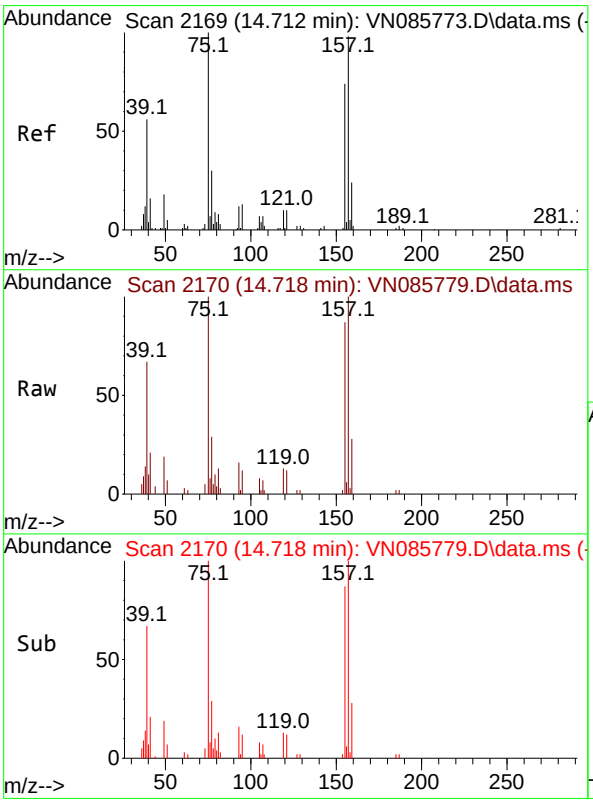
#91
1,2-Dichlorobenzene
Concen: 19.390 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 138931

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	63.3	32.0	96.2

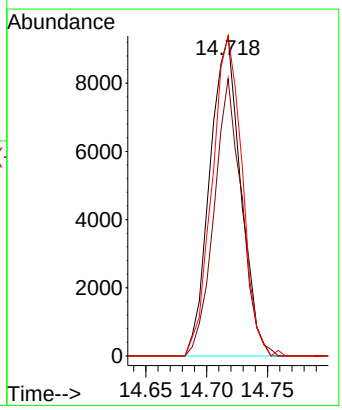


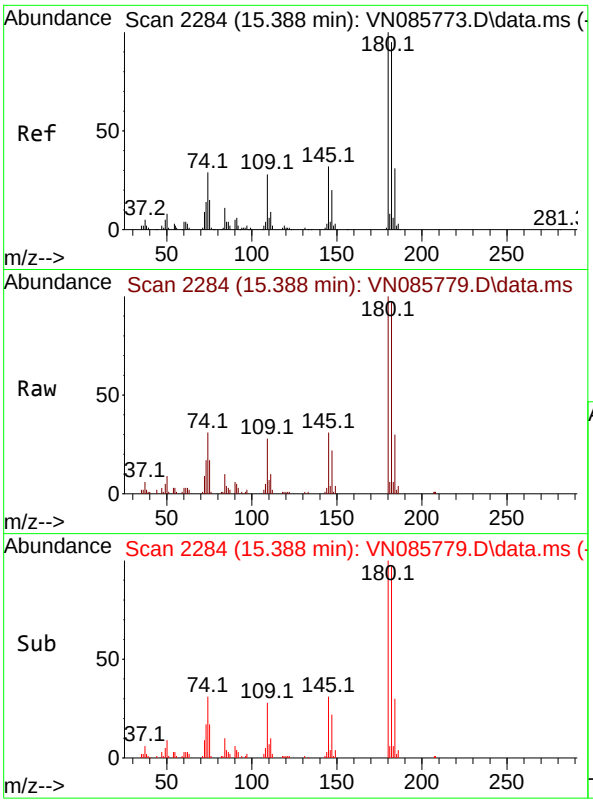


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.639 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion: 75 Resp: 16407

Ion	Ratio	Lower	Upper
75	100		
155	78.2	39.9	119.6
157	98.0	49.9	149.7



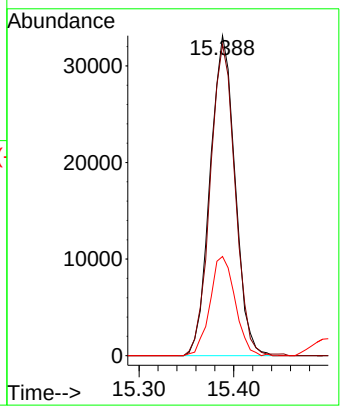


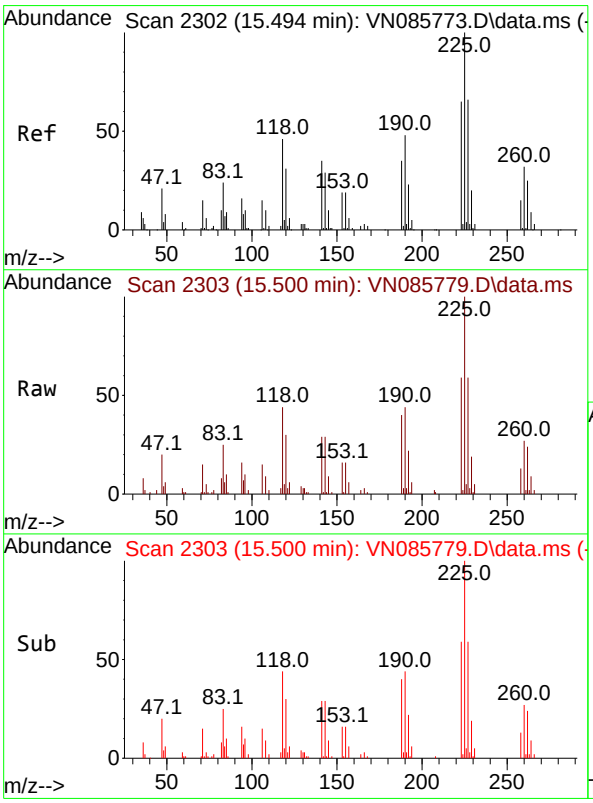
#93
1,2,4-Trichlorobenzene
Concen: 17.726 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 60520

Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	141.9
145	31.3	16.2	48.5

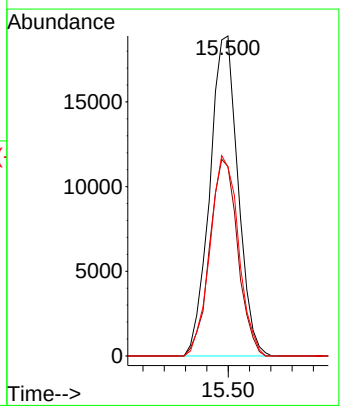


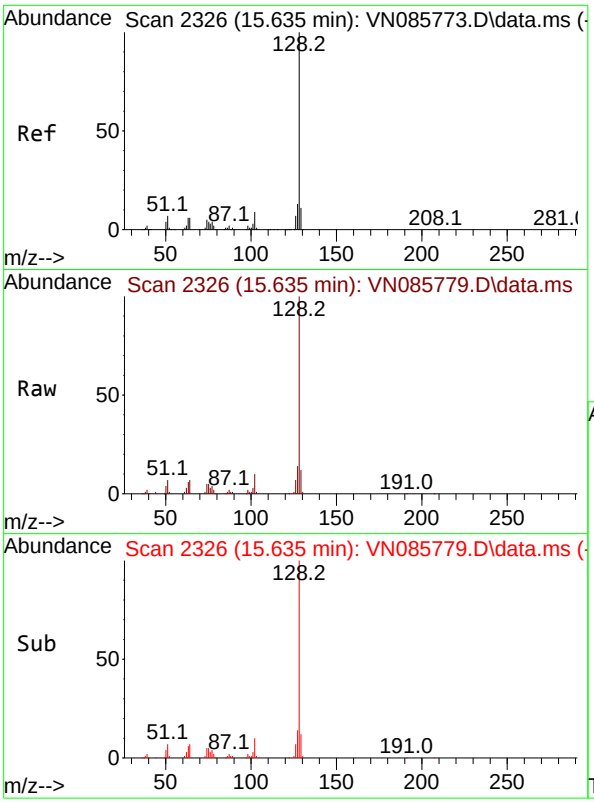


#94
Hexachlorobutadiene
Concen: 16.763 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:225 Resp: 34783

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.9	95.5
227	63.1	32.2	96.6



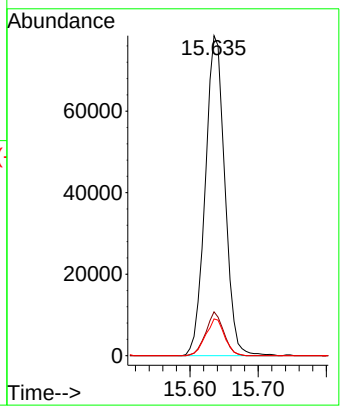


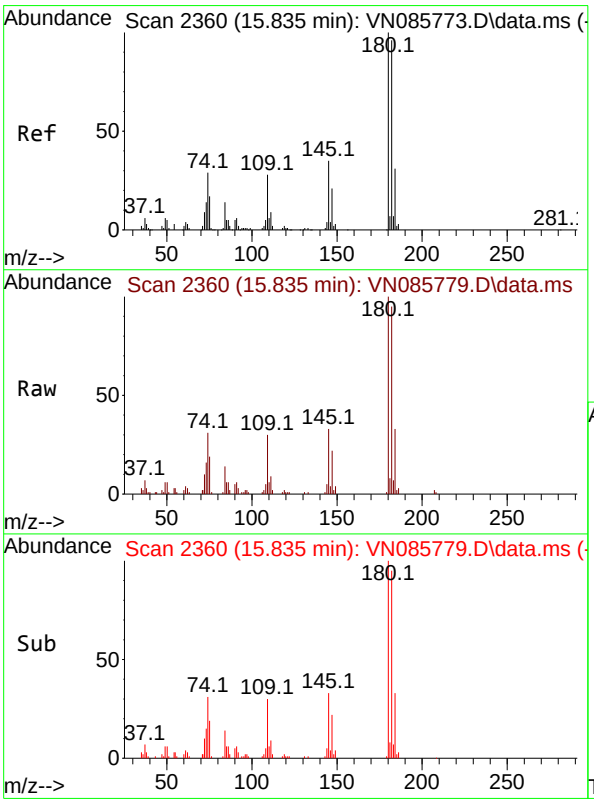
#95
Naphthalene
Concen: 16.700 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 156537

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.2	8.7	13.1

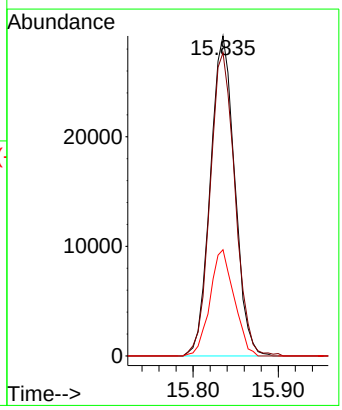




#96
1,2,3-Trichlorobenzene
Concen: 16.921 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085779.D
Acq: 18 Feb 2025 14:18

Tgt Ion:180 Resp: 57998

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	32.9	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	314015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	510764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	456487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	222696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	204064	50.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.260%			
35) Dibromofluoromethane	8.165	113	170358	50.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	10.559	98	651463	53.575	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.841	95	227023	56.665	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	193054	45.199	ug/l	98
3) Chloromethane	2.359	50	181889	42.438	ug/l	98
4) Vinyl Chloride	2.512	62	197171	43.449	ug/l	97
5) Bromomethane	2.953	94	119789	41.282	ug/l	95
6) Chloroethane	3.118	64	122900	40.887	ug/l	95
7) Trichlorofluoromethane	3.500	101	279842	42.592	ug/l	98
8) Diethyl Ether	3.959	74	96415	45.353	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	165520	43.582	ug/l	98
10) Methyl Iodide	4.589	142	211559	45.190	ug/l	99
11) Tert butyl alcohol	5.506	59	118845	237.350	ug/l	99
12) 1,1-Dichloroethene	4.336	96	153815	44.667	ug/l	98
13) Acrolein	4.171	56	179054	241.140	ug/l	97
14) Allyl chloride	5.024	41	201442	44.555	ug/l	99
15) Acrylonitrile	5.712	53	378819	232.720	ug/l	99
16) Acetone	4.418	43	279680	217.115	ug/l	99
17) Carbon Disulfide	4.712	76	423019	41.449	ug/l	99
18) Methyl Acetate	5.018	43	194998	44.011	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	491324	48.014	ug/l	99
20) Methylene Chloride	5.277	84	173805	41.955	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	161205	43.475	ug/l	94
22) Diisopropyl ether	6.665	45	483670	47.344	ug/l	99
23) Vinyl Acetate	6.600	43	1698852	242.867	ug/l	99
24) 1,1-Dichloroethane	6.565	63	301375	43.396	ug/l	99
25) 2-Butanone	7.477	43	456416	240.836	ug/l	100
26) 2,2-Dichloropropane	7.482	77	274082	44.383	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	190393	44.284	ug/l	99
28) Bromochloromethane	7.812	49	142695	49.991	ug/l	97
29) Tetrahydrofuran	7.830	42	304613	248.913	ug/l	99
30) Chloroform	7.965	83	312547	43.065	ug/l	97
31) Cyclohexane	8.253	56	248433	42.725	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	281708	43.640	ug/l	99
36) 1,1-Dichloropropene	8.365	75	220335	46.581	ug/l	99
37) Ethyl Acetate	7.553	43	182091	46.779	ug/l	99
38) Carbon Tetrachloride	8.359	117	251949	44.828	ug/l	99
39) Methylcyclohexane	9.600	83	230541	49.612	ug/l	98
40) Benzene	8.600	78	682453	45.016	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	105287	50.597	ug/l		99
42) 1,2-Dichloroethane	8.665	62	223798	45.321	ug/l		100
43) Isopropyl Acetate	8.682	43	317074	46.374	ug/l		99
44) Trichloroethene	9.347	130	161430	43.368	ug/l		99
45) 1,2-Dichloropropane	9.618	63	165383	45.194	ug/l		99
46) Dibromomethane	9.700	93	118394	45.867	ug/l		98
47) Bromodichloromethane	9.882	83	245433	44.443	ug/l		96
48) Methyl methacrylate	9.676	41	149072	51.566	ug/l		99
49) 1,4-Dioxane	9.688	88	55529	1010.103	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	954888	254.433	ug/l		100
52) Toluene	10.623	92	429445	48.324	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	249572	48.873	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	269744	48.172	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	160020	45.289	ug/l		99
56) Ethyl methacrylate	10.871	69	243449	48.142	ug/l		99
57) 1,3-Dichloropropane	11.159	76	272817	46.254	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	565673	276.203	ug/l		99
59) 2-Hexanone	11.188	43	687507	266.284	ug/l		100
60) Dibromochloromethane	11.353	129	192169	46.707	ug/l		100
61) 1,2-Dibromoethane	11.465	107	157602	47.208	ug/l		99
64) Tetrachloroethene	11.100	164	148840	42.088	ug/l		98
65) Chlorobenzene	11.888	112	464545	44.422	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	163676	43.545	ug/l		100
67) Ethyl Benzene	11.959	91	797025	48.655	ug/l		99
68) m/p-Xylenes	12.065	106	619505	99.562	ug/l		100
69) o-Xylene	12.394	106	294679	49.837	ug/l		100
70) Styrene	12.406	104	498501	45.726	ug/l		99
71) Bromoform	12.576	173	130201	46.617	ug/l	#	97
73) Isopropylbenzene	12.694	105	747608	49.002	ug/l		100
74) N-amyl acetate	12.488	43	265786	49.401	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	225776	43.005	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	293414	59.313	ug/l		57
77) Bromobenzene	12.976	156	185833	45.084	ug/l		98
78) n-propylbenzene	13.029	91	872362	49.927	ug/l		99
79) 2-Chlorotoluene	13.123	91	541105	46.350	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	622090	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	79943	47.152	ug/l		94
82) 4-Chlorotoluene	13.217	91	548585	47.401	ug/l		99
83) tert-Butylbenzene	13.435	119	521552	49.904	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	633621	51.531	ug/l		99
85) sec-Butylbenzene	13.612	105	737200	49.925	ug/l		100
86) p-Isopropyltoluene	13.723	119	617918	46.012	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	341228	44.186	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	338619	42.781	ug/l		100
89) n-Butylbenzene	14.053	91	513863	49.015	ug/l		98
90) Hexachloroethane	14.329	117	119768	42.828	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	325885	43.883	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41836	43.396	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	161503	45.640	ug/l		99
94) Hexachlorobutadiene	15.494	225	84060	39.087	ug/l		99
95) Naphthalene	15.635	128	487372	50.167	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	158416	44.593	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

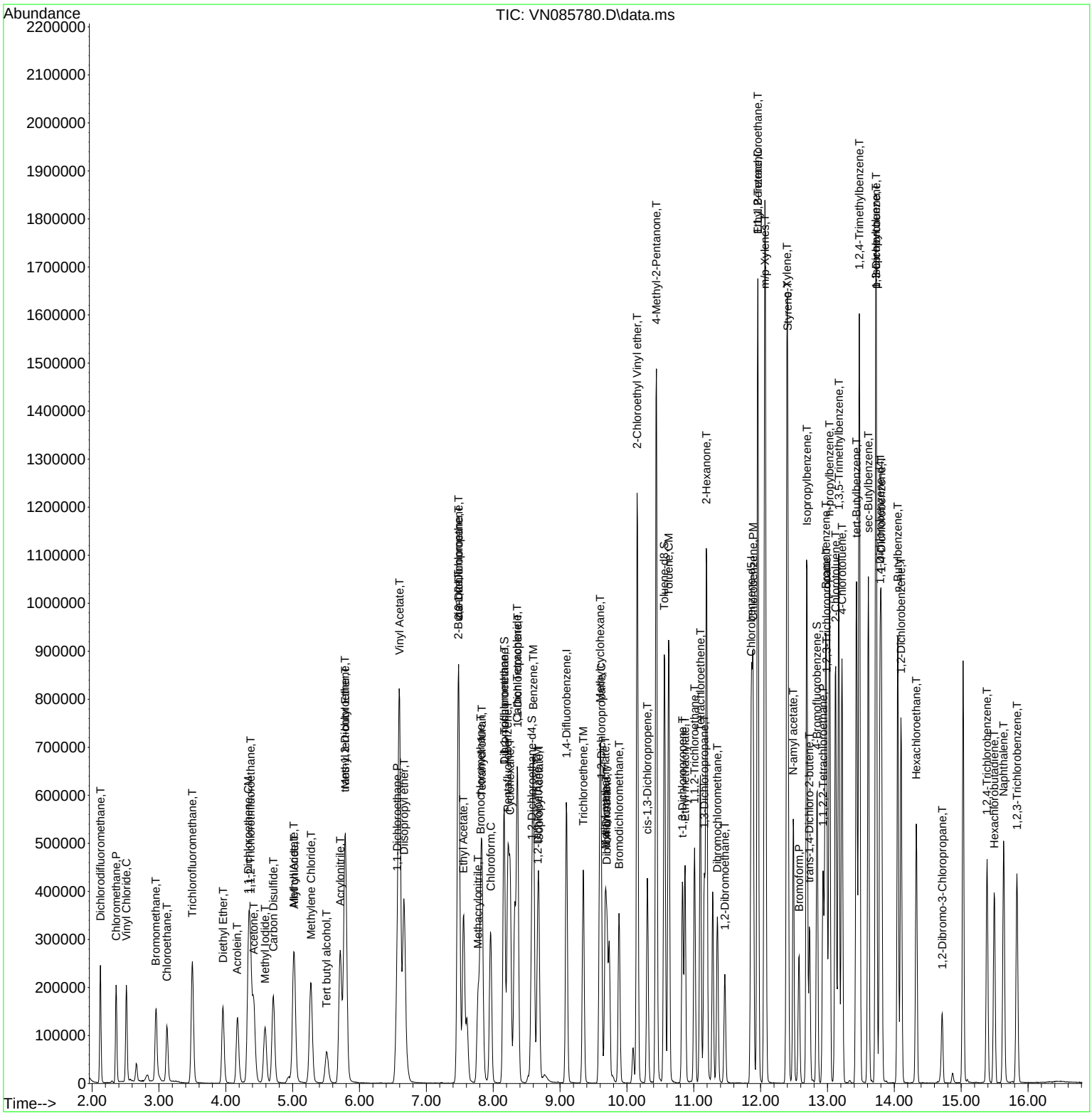
(#) = qualifier out of range (m) = manual integration (+) = signals summed

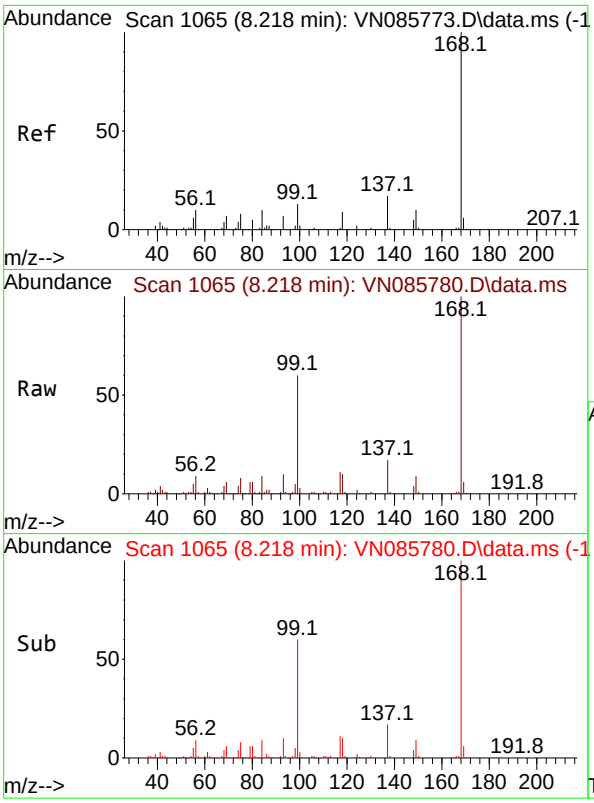
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



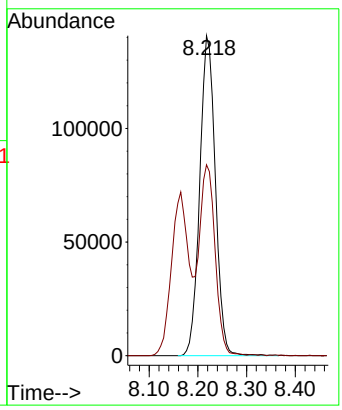


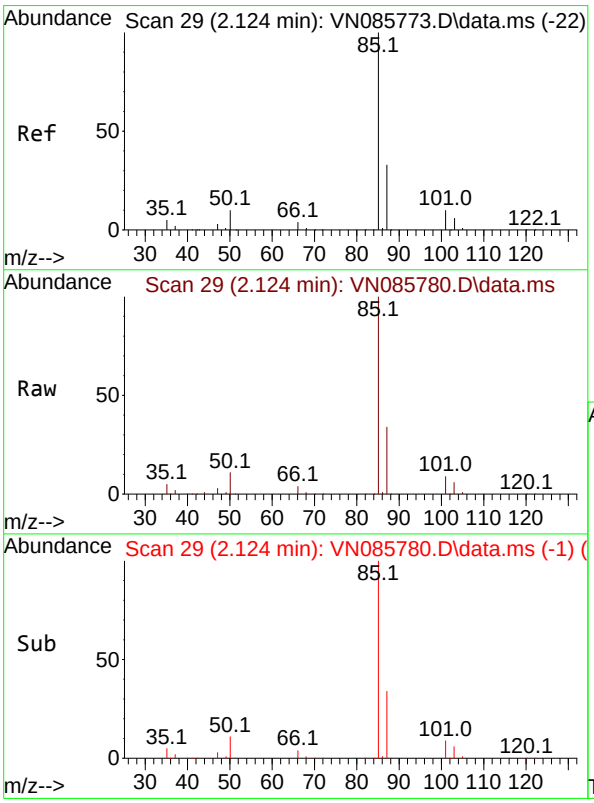
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:168 Resp: 314015

Ion	Ratio	Lower	Upper
168	100		
99	59.5	47.9	71.9

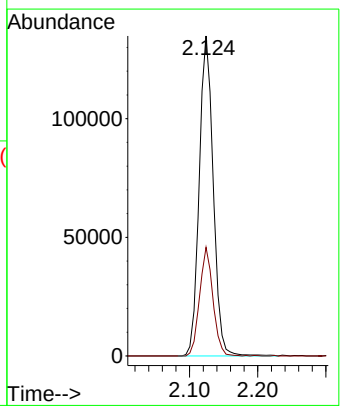


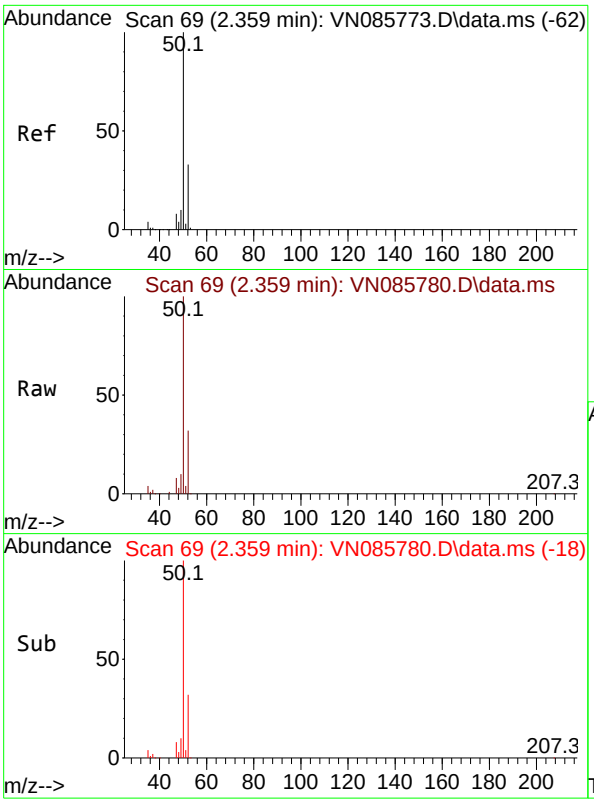


#2
Dichlorodifluoromethane
Concen: 45.199 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 85 Resp: 193054

Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.4	49.2



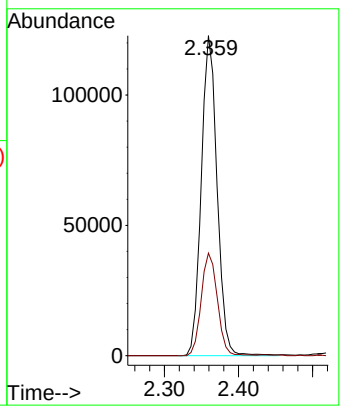


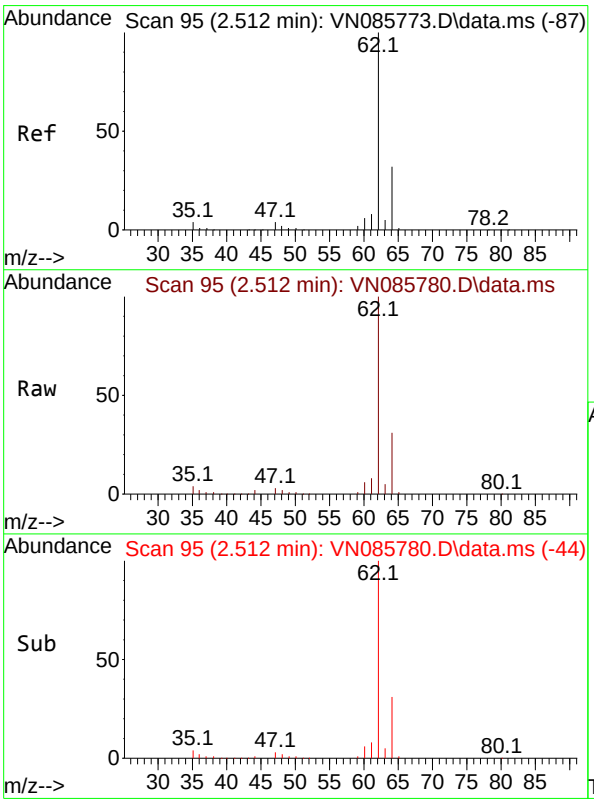
#3
Chloromethane
Concen: 42.438 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 50 Resp: 181889

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.7	40.1

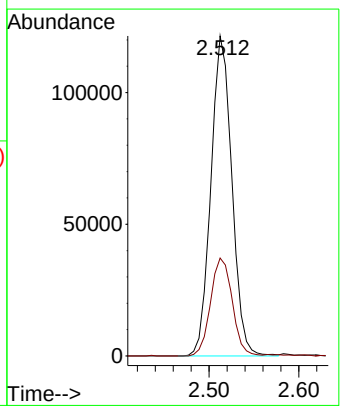


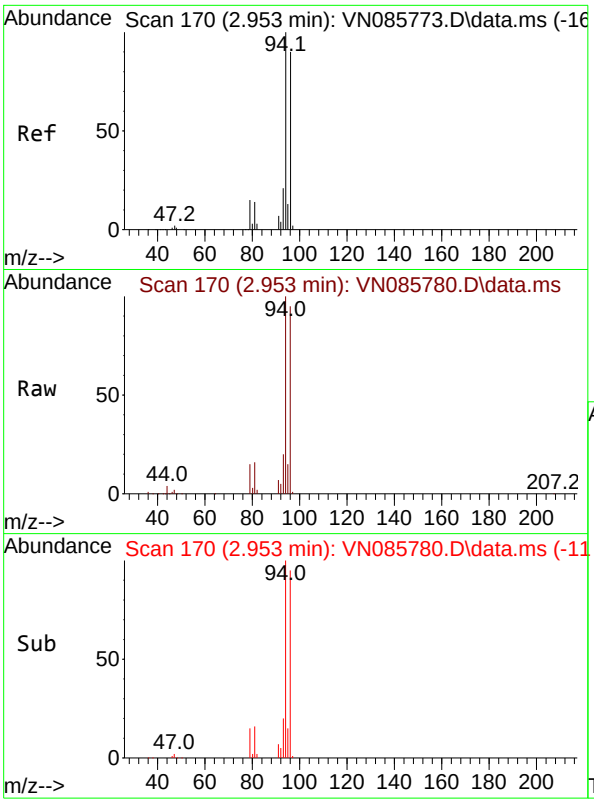


#4
Vinyl Chloride
Concen: 43.449 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 62 Resp: 197171

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.9	38.9



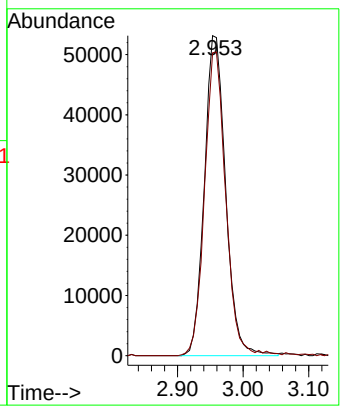


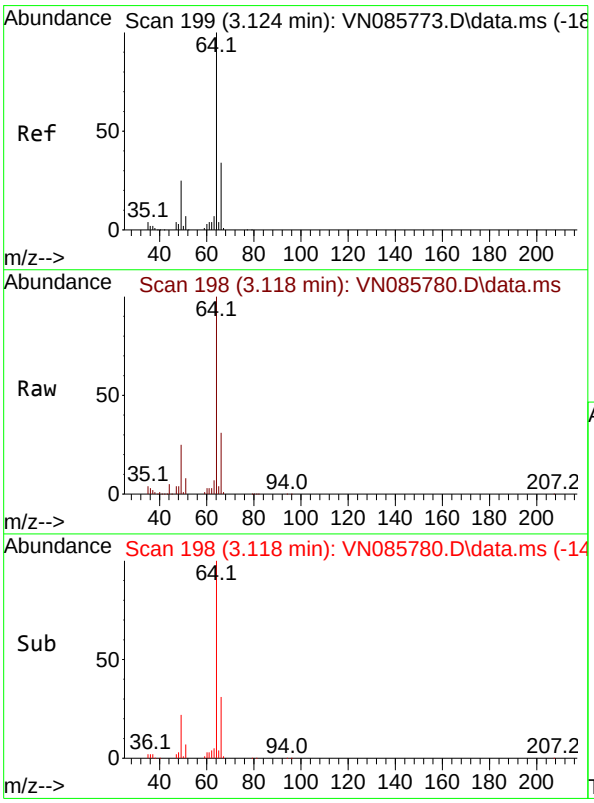
#5
Bromomethane
Concen: 41.282 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 94 Resp: 119789

Ion	Ratio	Lower	Upper
94	100		
96	94.6	71.7	107.5

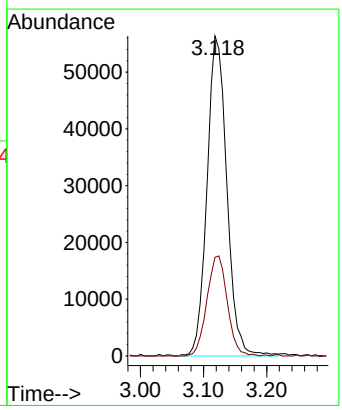


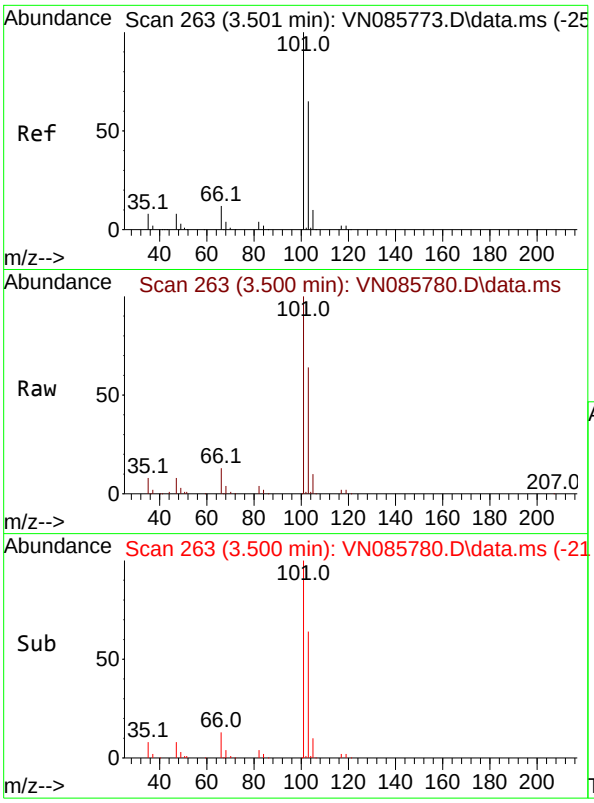


#6
Chloroethane
Concen: 40.887 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 64 Resp: 122900

Ion	Ratio	Lower	Upper
64	100		
66	30.8	27.0	40.6



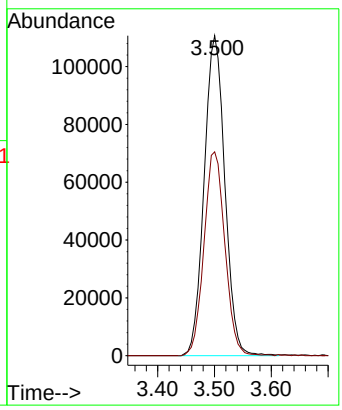


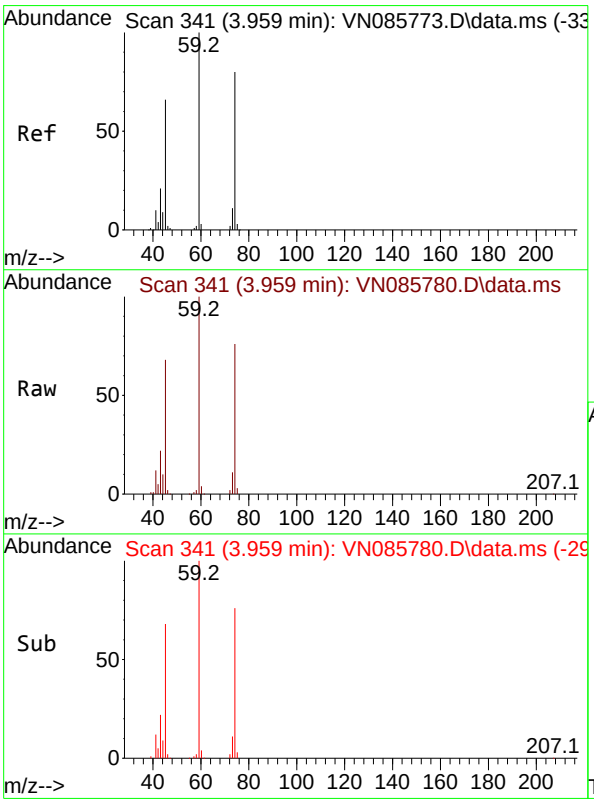
#7
Trichlorofluoromethane
Concen: 42.592 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:101 Resp: 279842

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.2	78.4

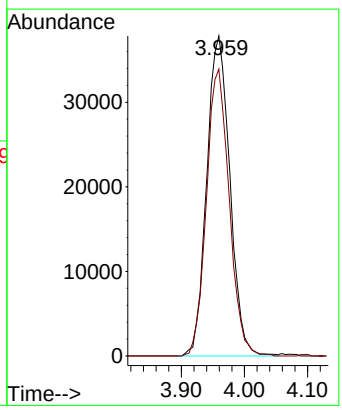


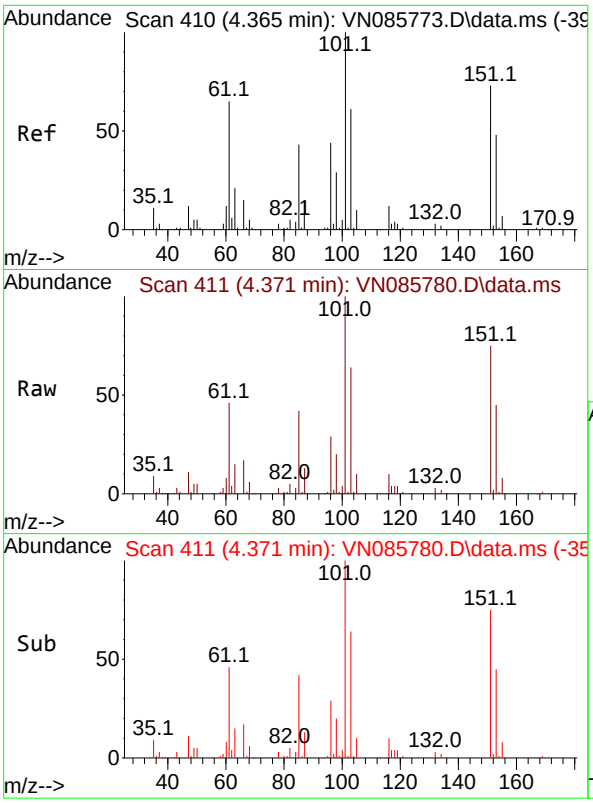


#8
Diethyl Ether
Concen: 45.353 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 74 Resp: 96415

Ion	Ratio	Lower	Upper
74	100		
45	88.2	42.5	127.6



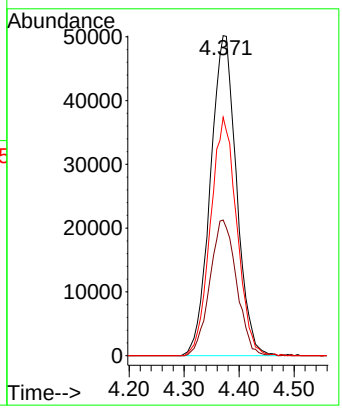


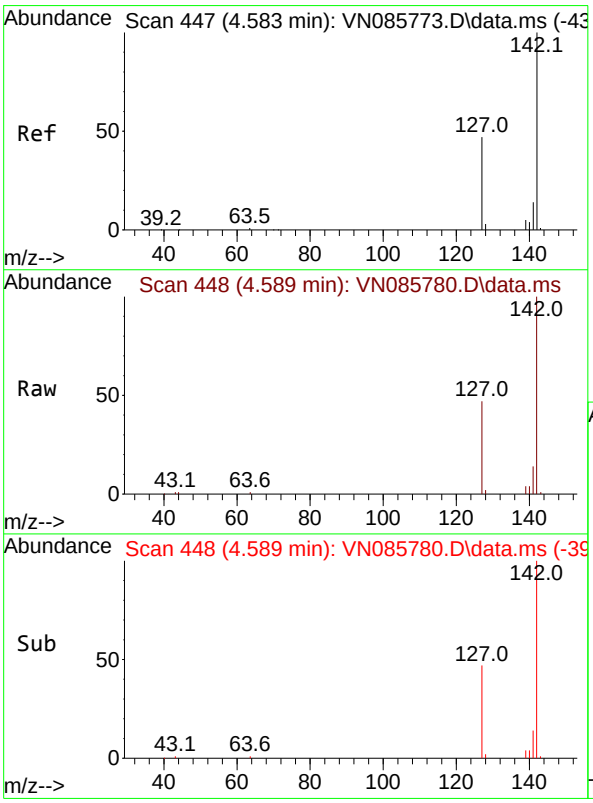
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.582 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:101 Resp: 165520

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.7	53.5
151	75.0	61.4	92.2

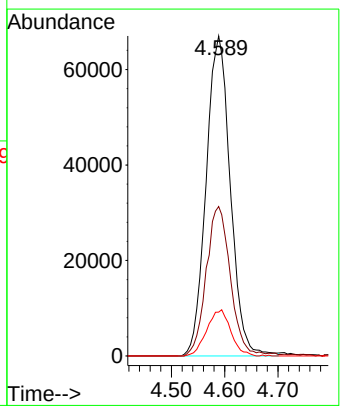


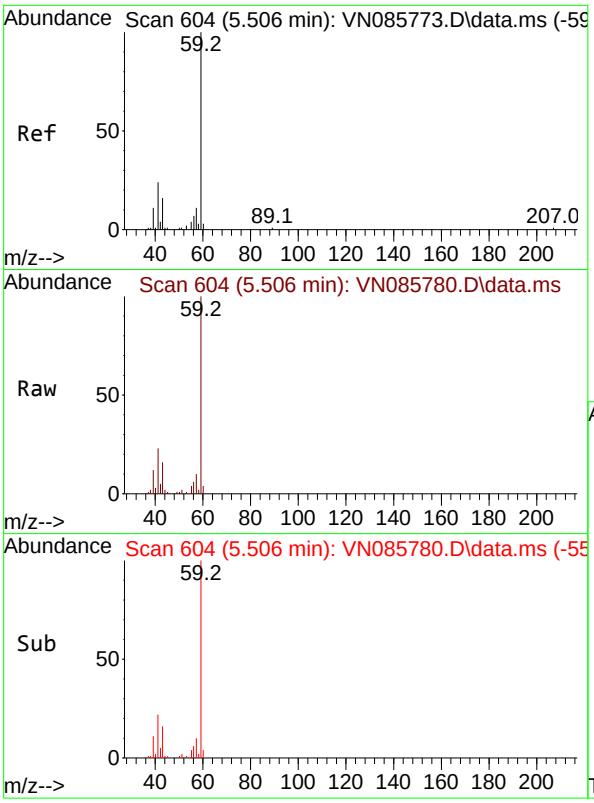


#10
Methyl Iodide
Concen: 45.190 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:142 Resp: 211559

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.6	56.4
141	13.7	11.4	17.2



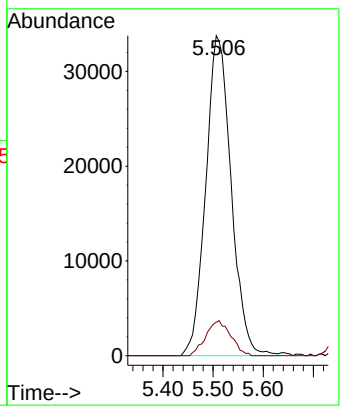


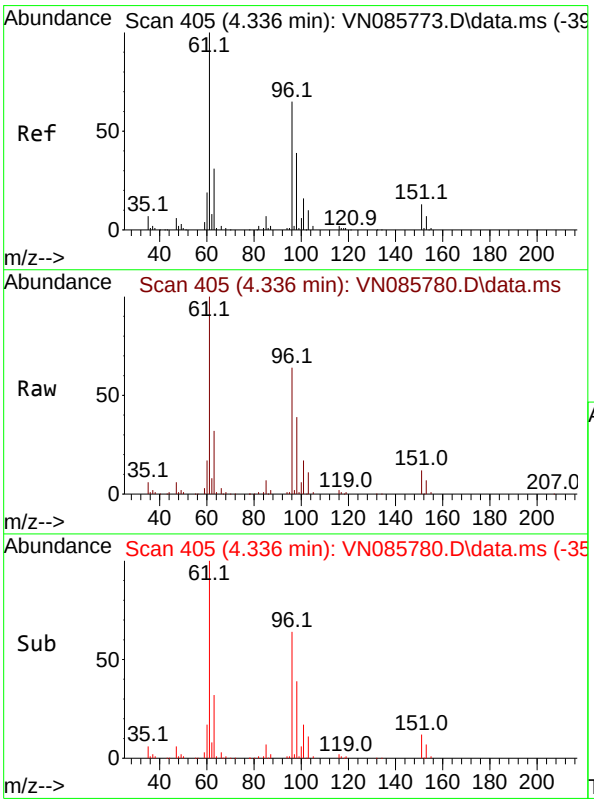
#11
Tert butyl alcohol
Concen: 237.350 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 59 Resp: 118845

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

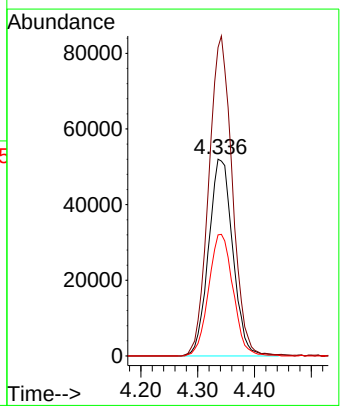


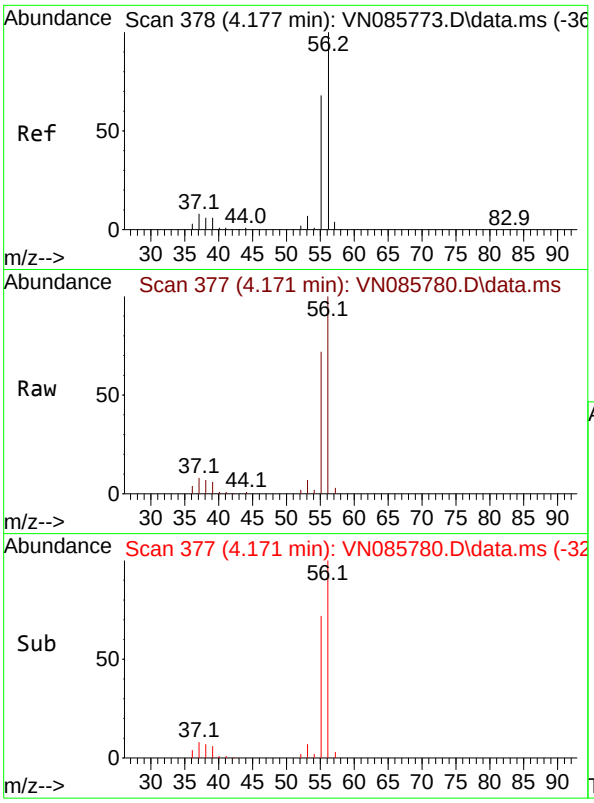


#12
1,1-Dichloroethene
Concen: 44.667 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 96 Resp: 153815

Ion	Ratio	Lower	Upper
96	100		
61	156.7	123.3	184.9
98	61.6	48.6	72.8



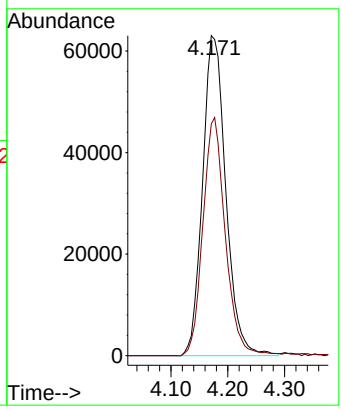


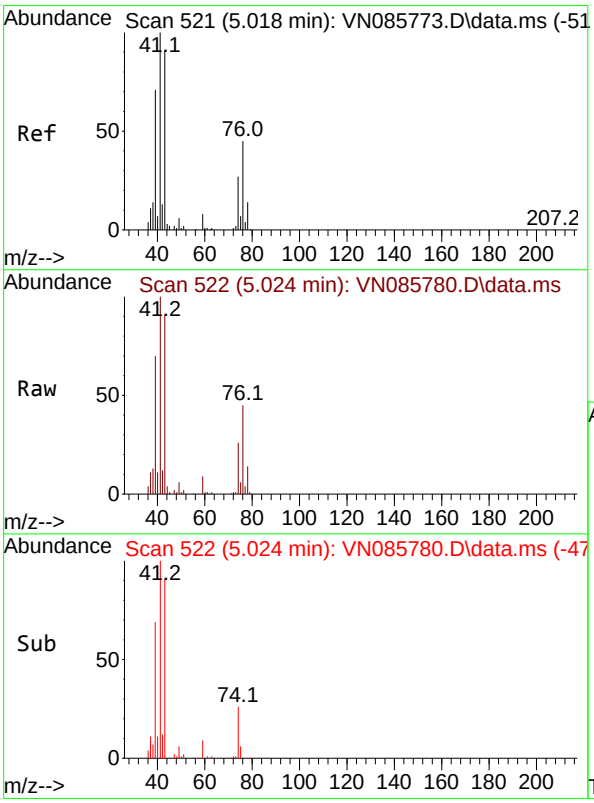
#13
Acrolein
Concen: 241.140 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 56 Resp: 179054

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.3	82.9

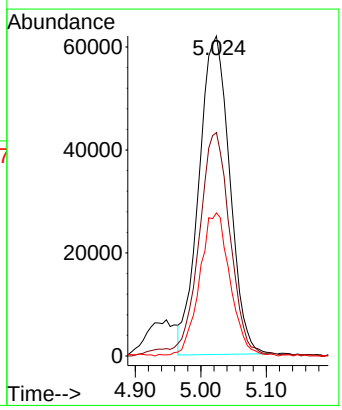


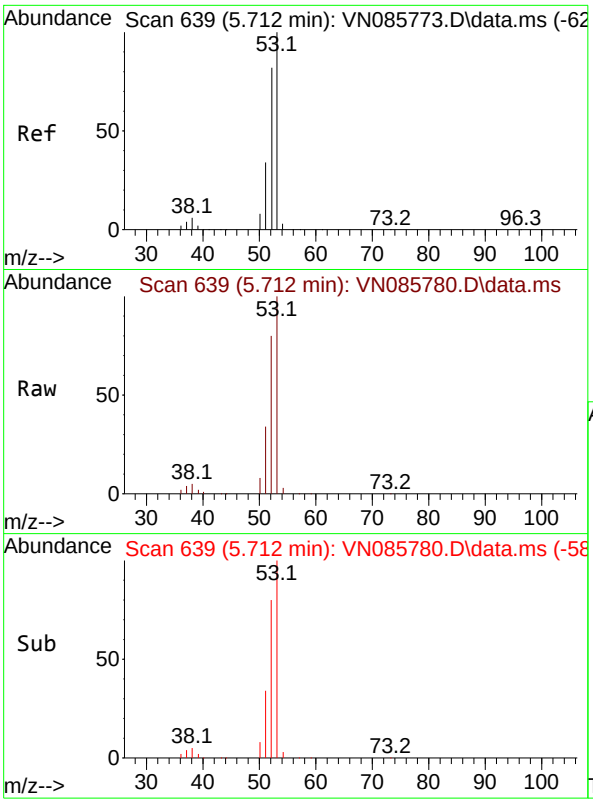


#14
Allyl chloride
Concen: 44.555 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 41 Resp: 201442

Ion	Ratio	Lower	Upper
41	100		
39	72.4	57.4	86.2
76	44.6	36.2	54.2



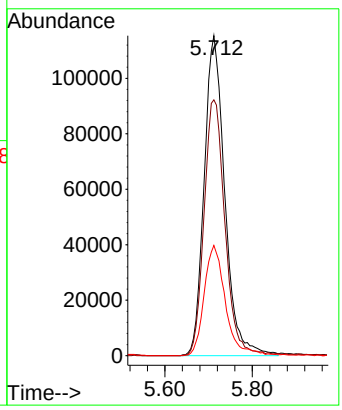


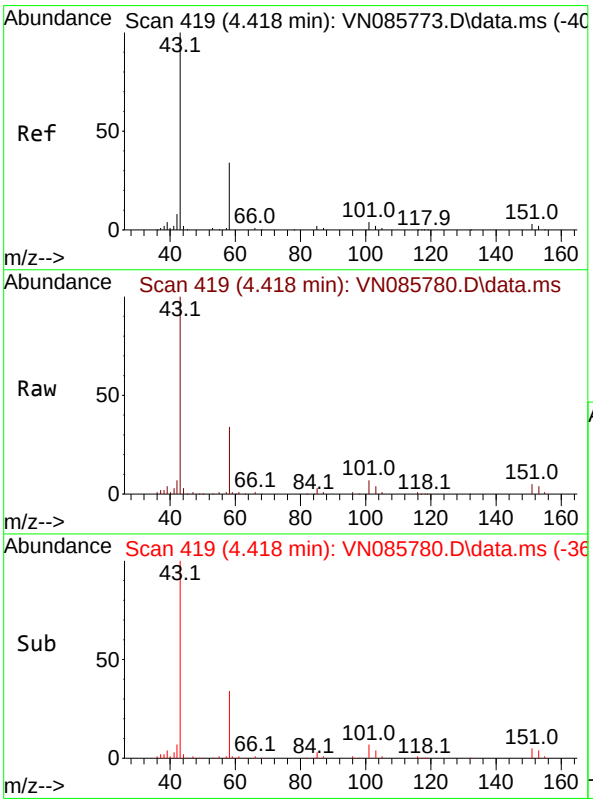
#15
Acrylonitrile
Concen: 232.720 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 53 Resp: 378819

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.8	98.6
51	35.6	28.6	42.8

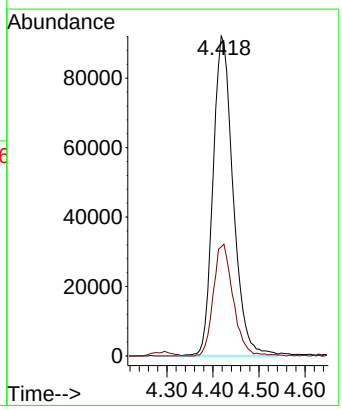


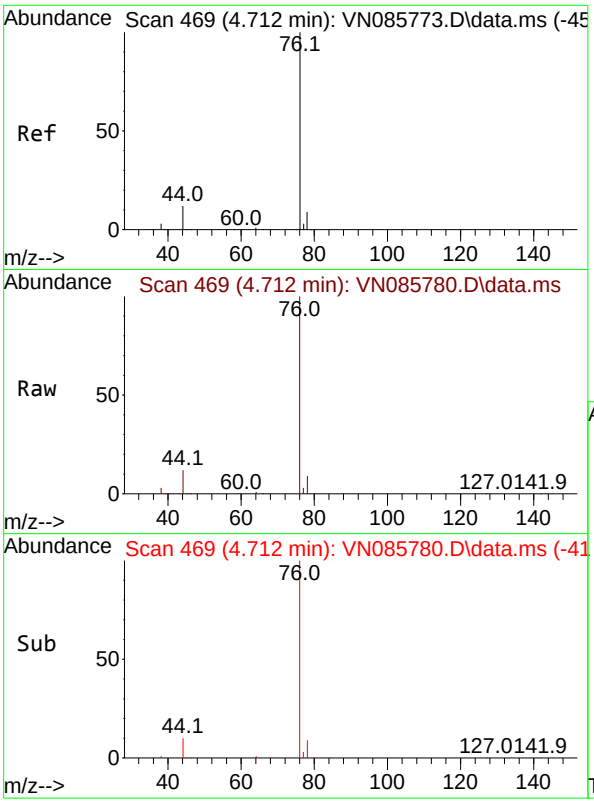


#16
Acetone
Concen: 217.115 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 279680

Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.5	41.3



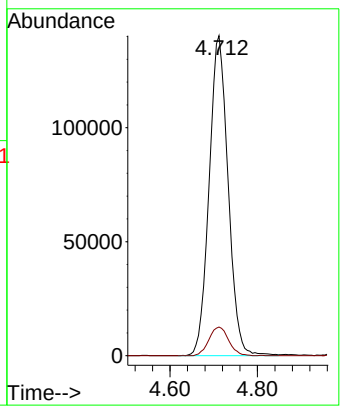


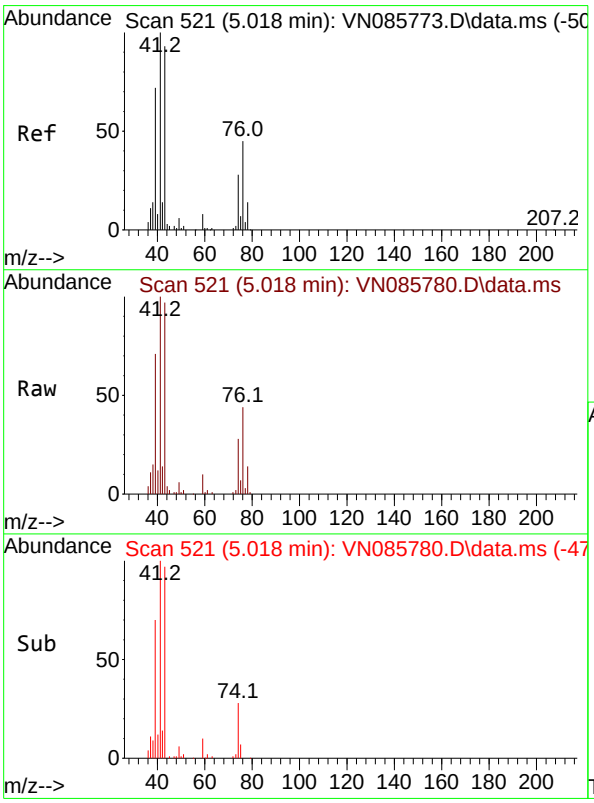
#17
Carbon Disulfide
Concen: 41.449 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 76 Resp: 423019

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

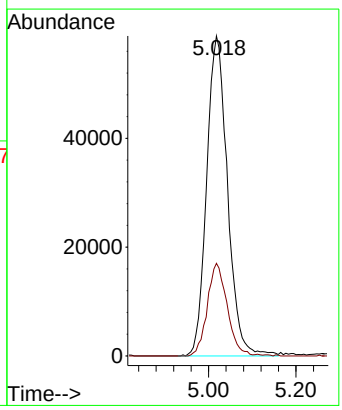


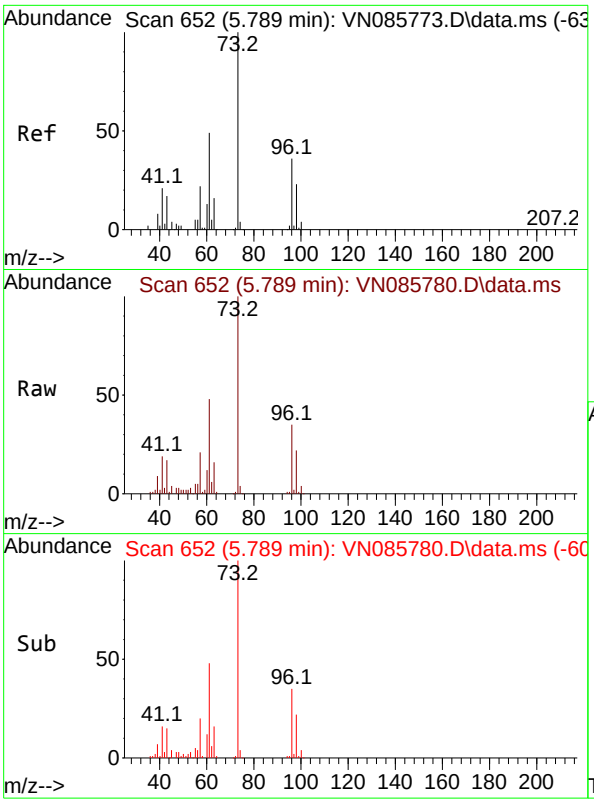


#18
Methyl Acetate
Concen: 44.011 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 194998

Ion	Ratio	Lower	Upper
43	100		
74	27.5	22.2	33.4



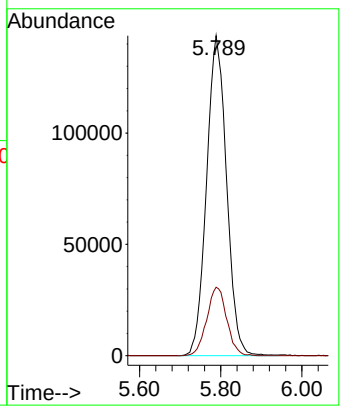


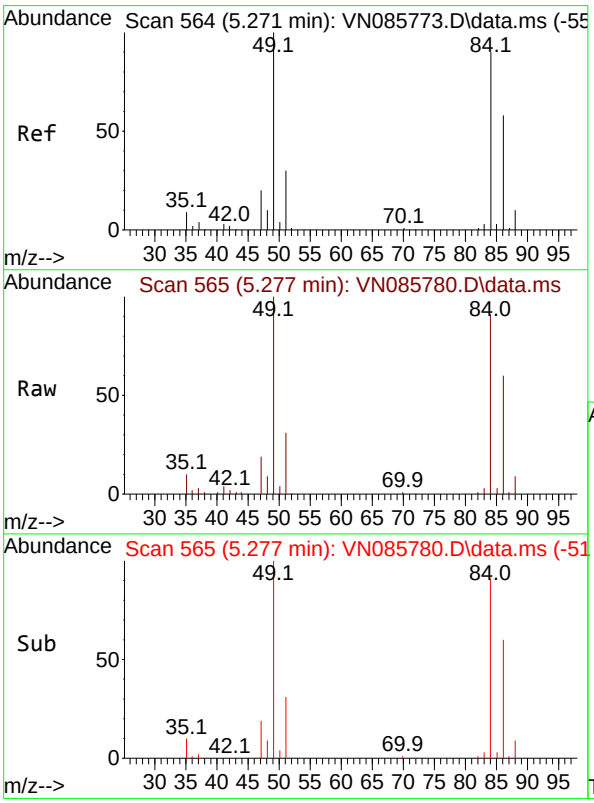
#19
Methyl tert-butyl Ether
Concen: 48.014 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 73 Resp: 491324

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.6	26.4

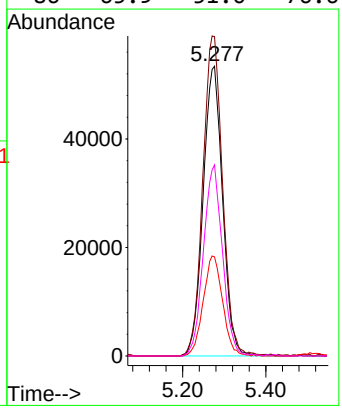


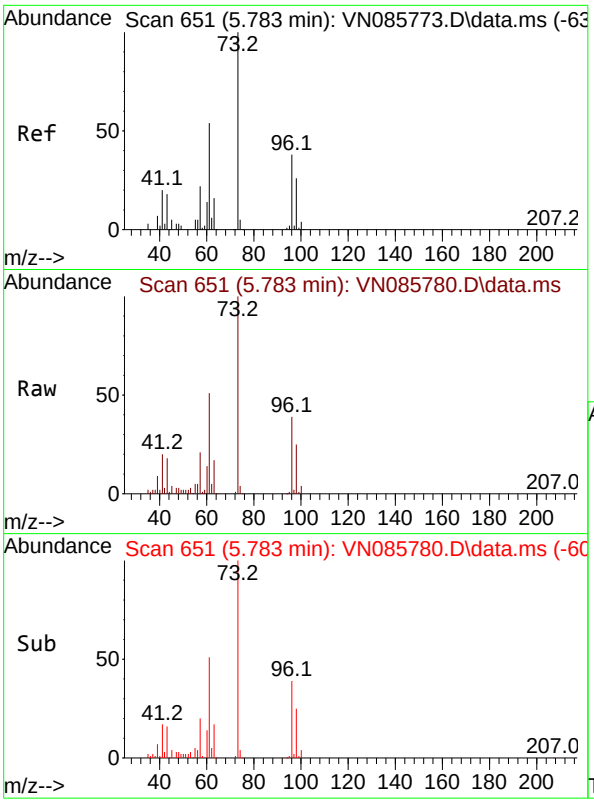


#20
Methylene Chloride
Concen: 41.955 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 84 Resp: 173805

Ion	Ratio	Lower	Upper
84	100		
49	110.2	88.4	132.6
51	34.2	26.6	40.0
86	65.9	51.0	76.6



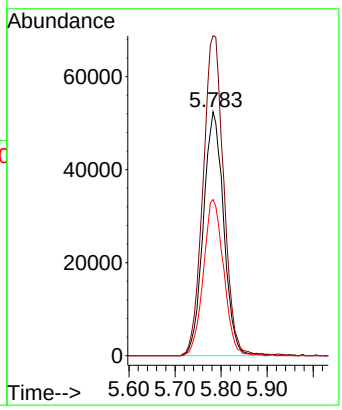


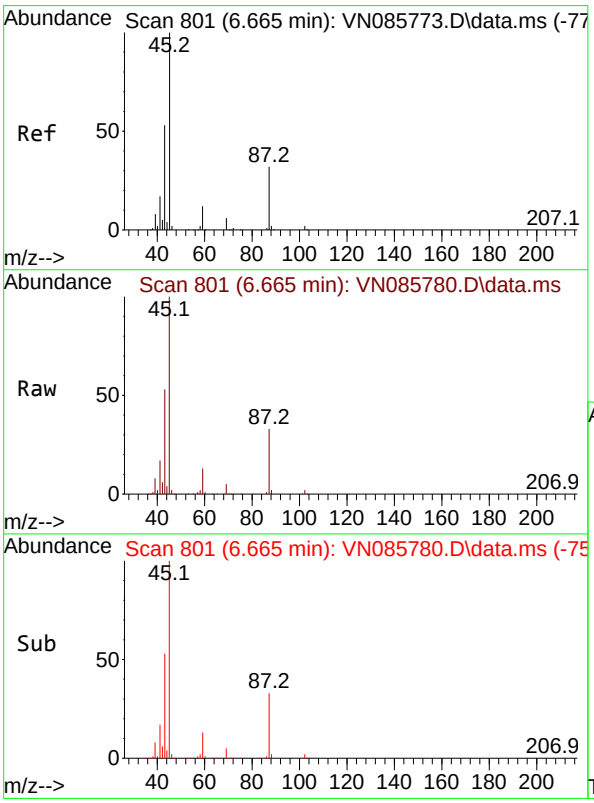
#21
trans-1,2-Dichloroethene
Concen: 43.475 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 96 Resp: 161205

Ion	Ratio	Lower	Upper
96	100		
61	131.3	112.6	168.8
98	64.1	53.3	79.9

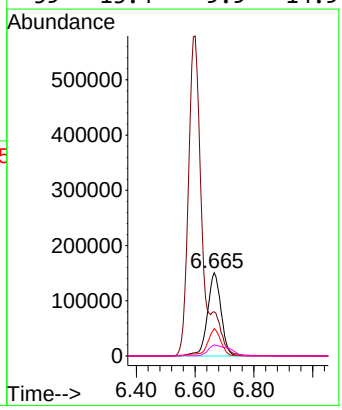


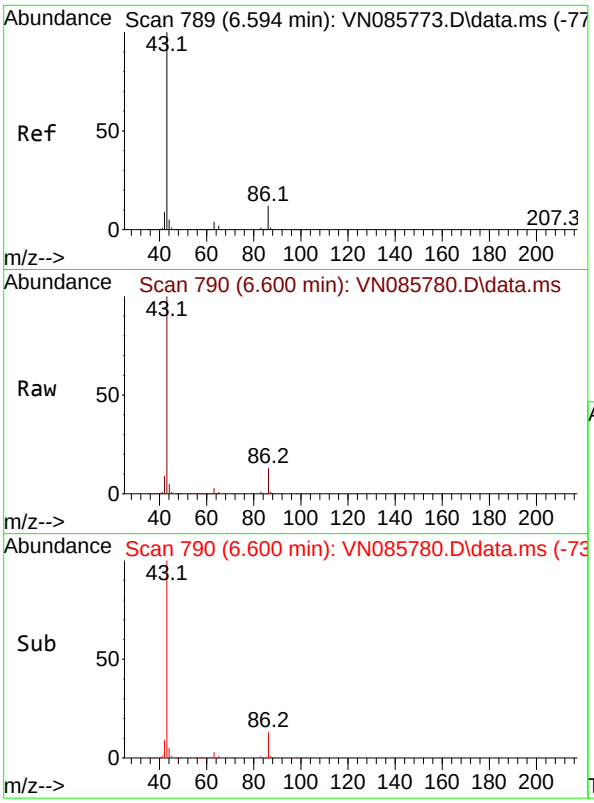


#22
Diisopropyl ether
Concen: 47.344 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 45 Resp: 483670

Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.6	64.0
87	32.9	25.8	38.8
59	13.4	9.9	14.9



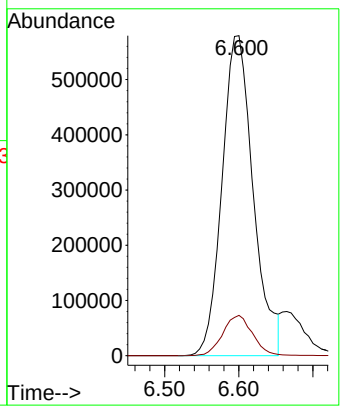


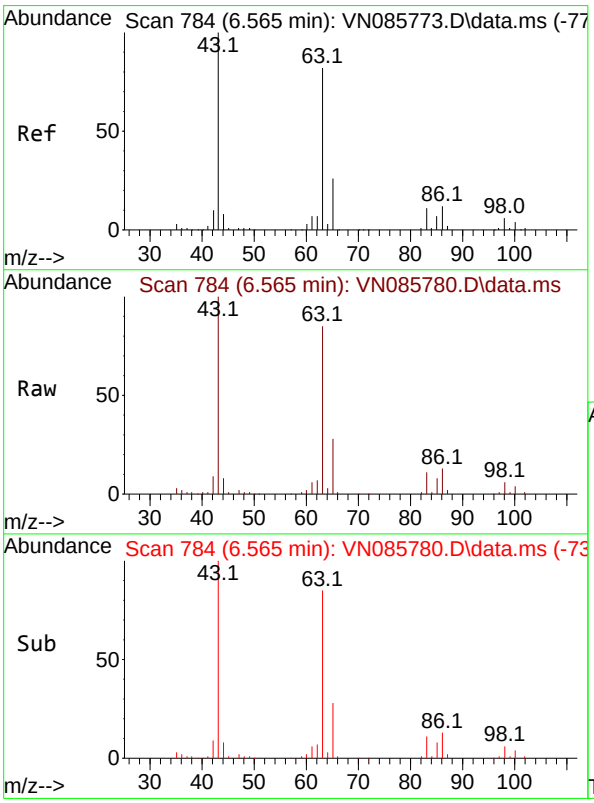
#23
Vinyl Acetate
Concen: 242.867 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 43 Resp: 1698852

Ion	Ratio	Lower	Upper
43	100		
86	12.6	9.8	14.8

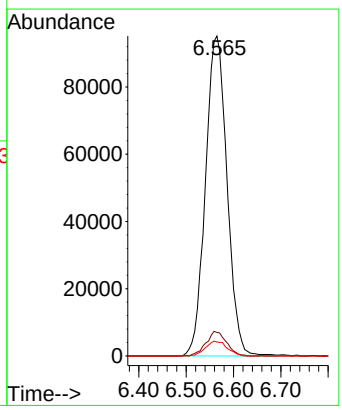


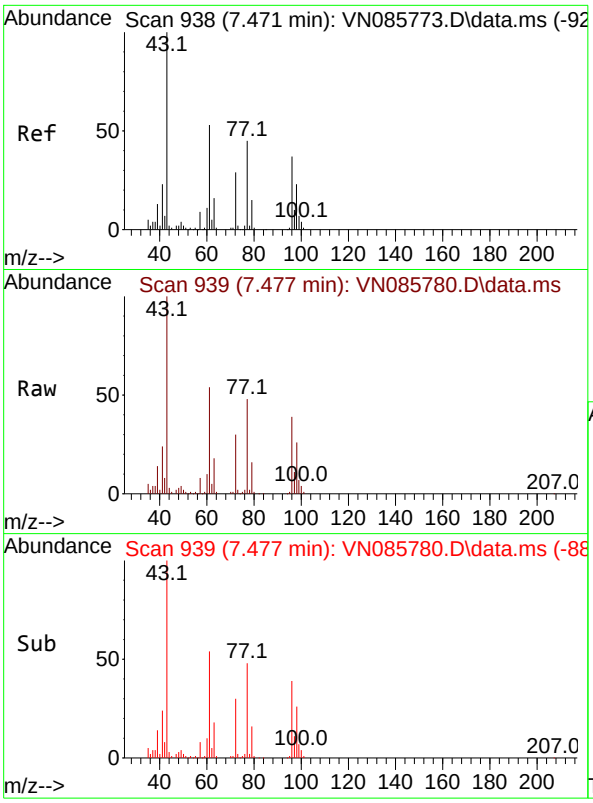


#24
1,1-Dichloroethane
Concen: 43.396 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 63 Resp: 301375

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	4.4	2.4	7.2



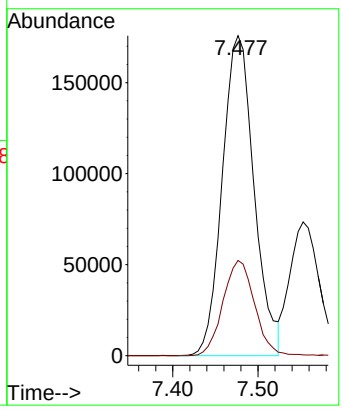


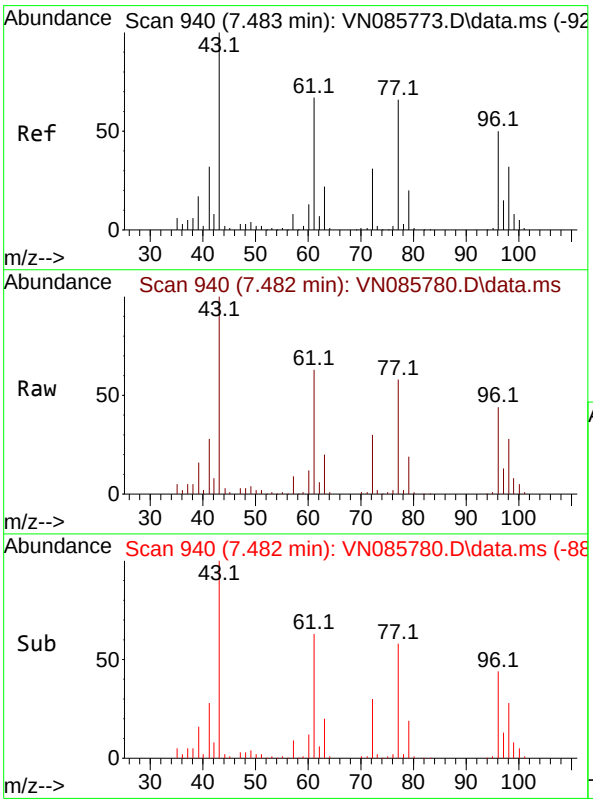
#25
2-Butanone
Concen: 240.836 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 43 Resp: 456416

Ion	Ratio	Lower	Upper
43	100		
72	29.8	23.6	35.4

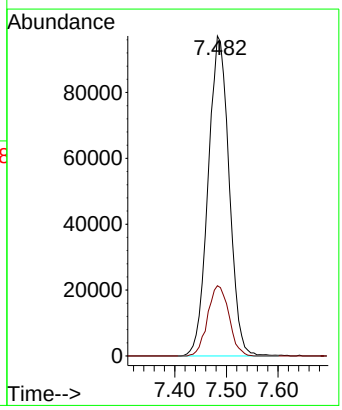


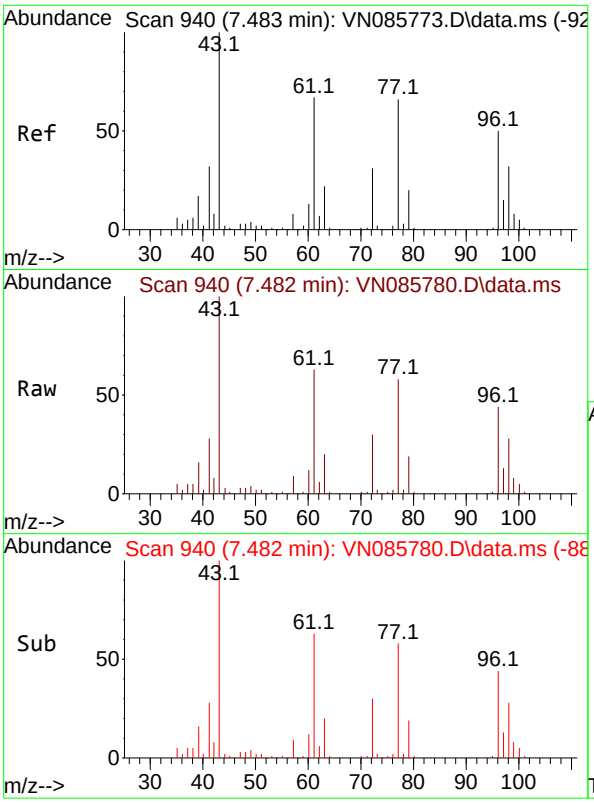


#26
2,2-Dichloropropane
Concen: 44.383 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 77 Resp: 274082

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.3	33.8



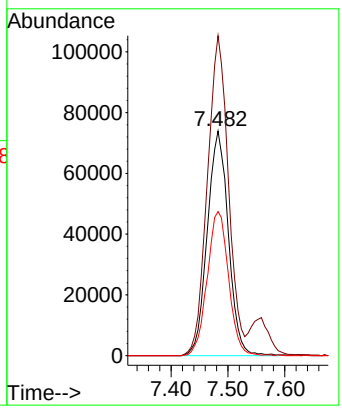


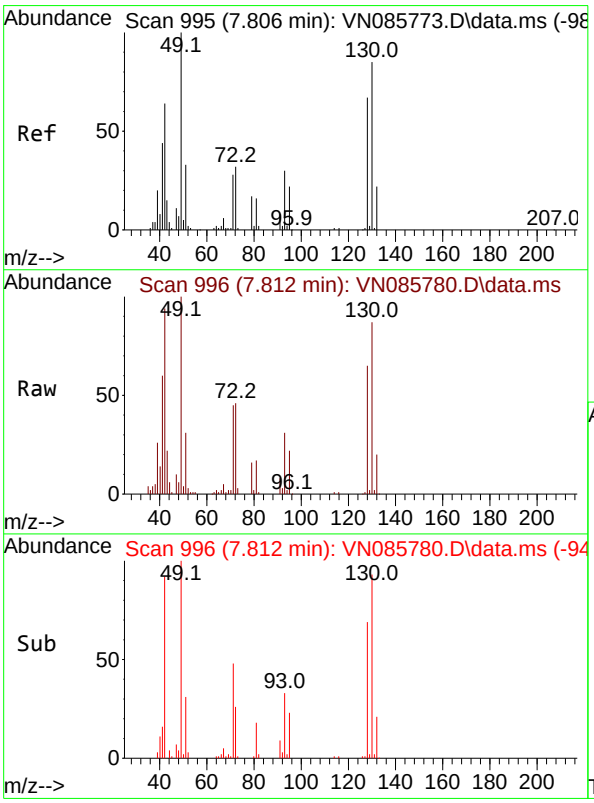
#27
cis-1,2-Dichloroethene
Concen: 44.284 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 96 Resp: 190393

Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	280.6
98	65.2	0.0	128.6

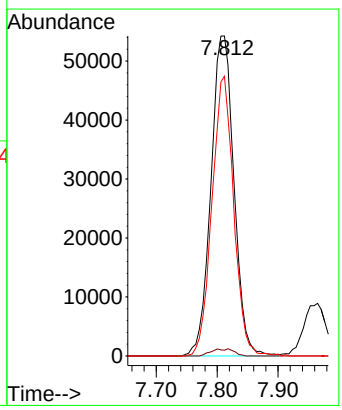


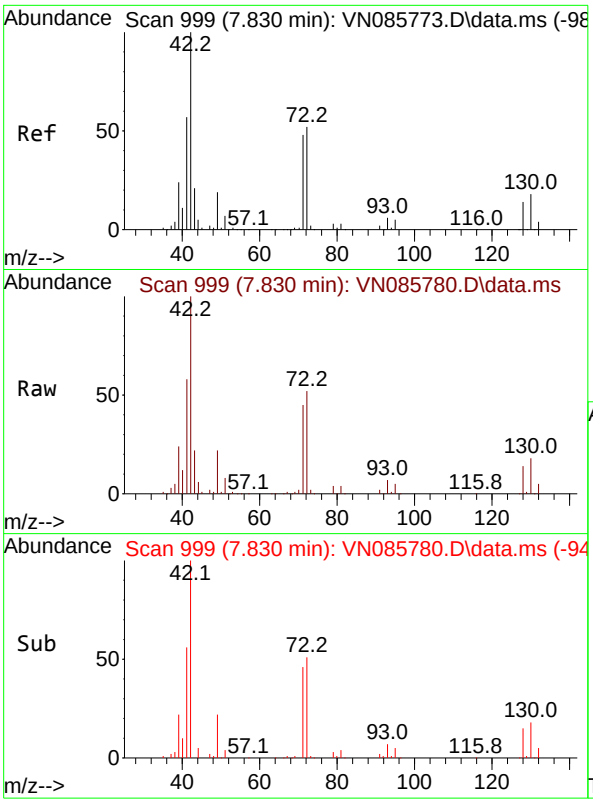


#28
Bromochloromethane
Concen: 49.991 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 49 Resp: 142695

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	82.4	68.0	102.0



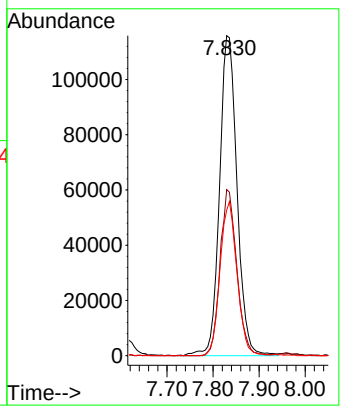


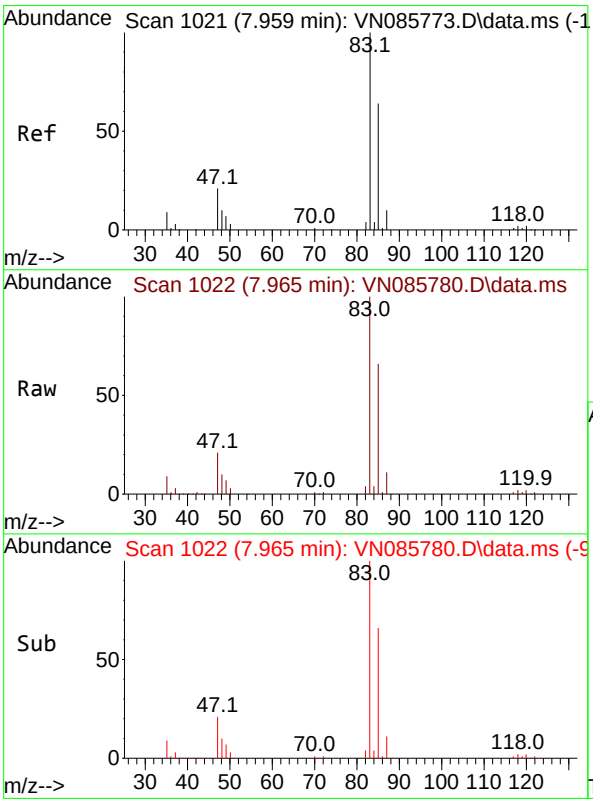
#29
Tetrahydrofuran
Concen: 248.913 ug/l
RT: 7.830 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 42 Resp: 304613

Ion	Ratio	Lower	Upper
42	100		
72	49.7	40.0	60.0
71	46.6	37.0	55.4

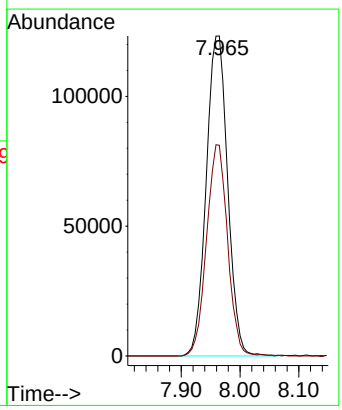


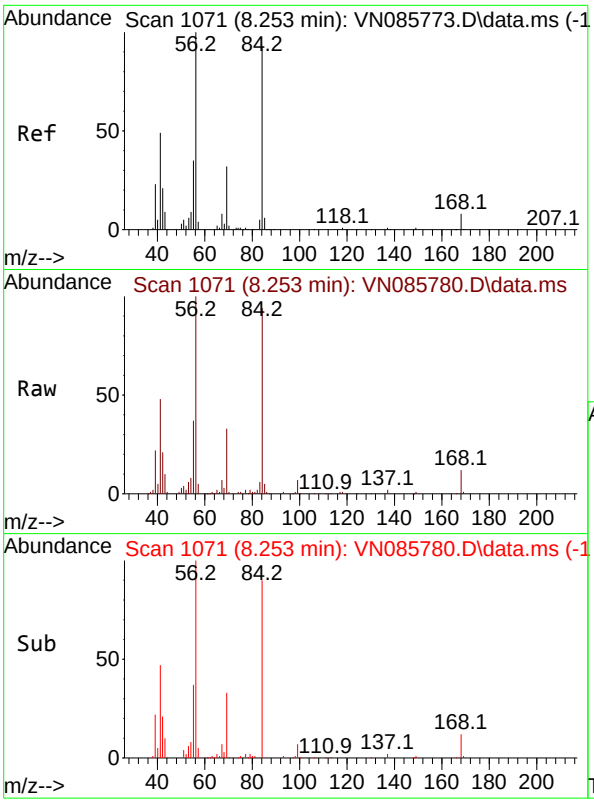


#30
Chloroform
Concen: 43.065 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 83 Resp: 312547

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3



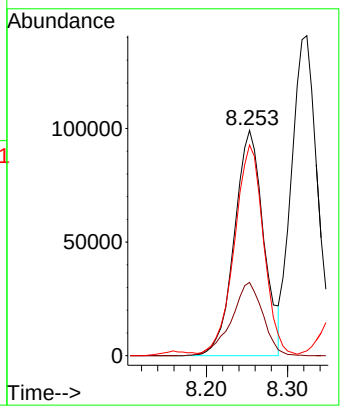


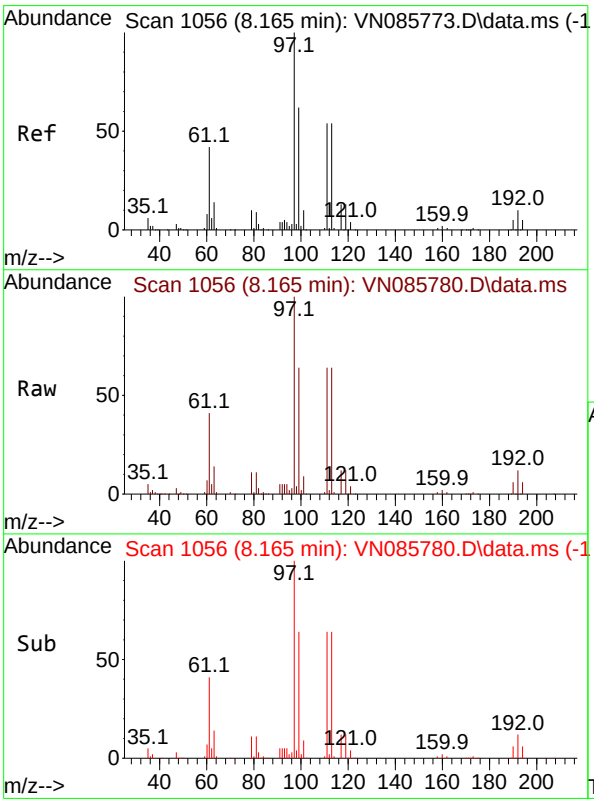
#31
Cyclohexane
Concen: 42.725 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 56 Resp: 248433

Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.6
84	91.8	74.5	111.7

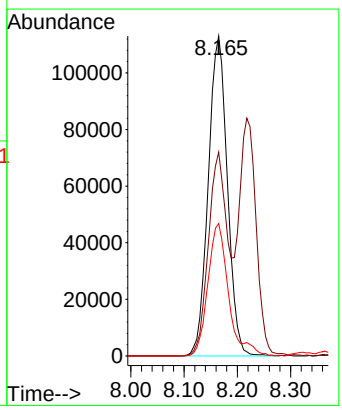


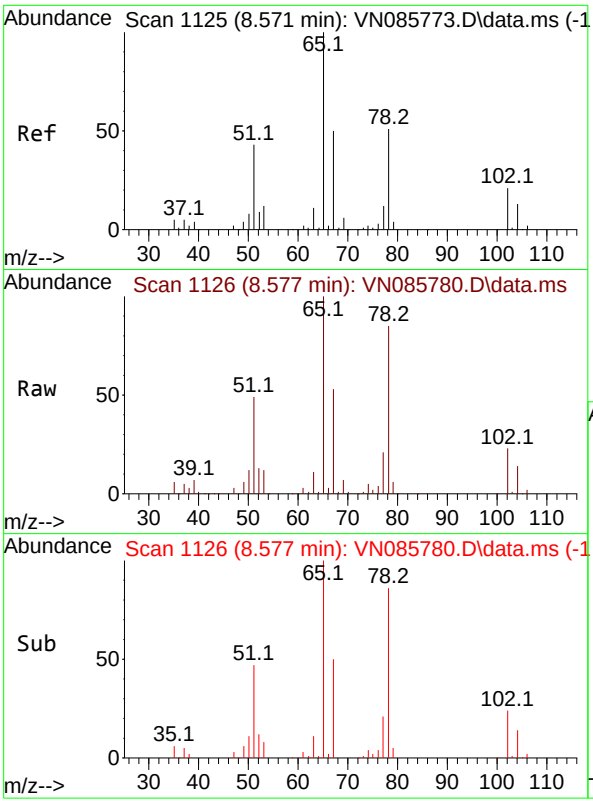


#32
1,1,1-Trichloroethane
Concen: 43.640 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 97 Resp: 281708

Ion	Ratio	Lower	Upper
97	100		
99	61.8	50.4	75.6
61	44.7	35.5	53.3



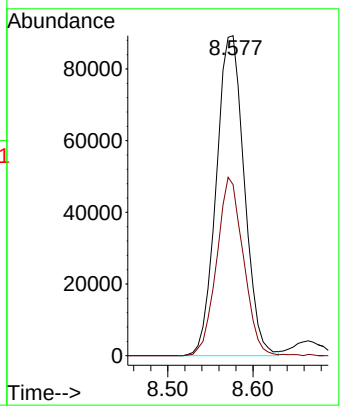


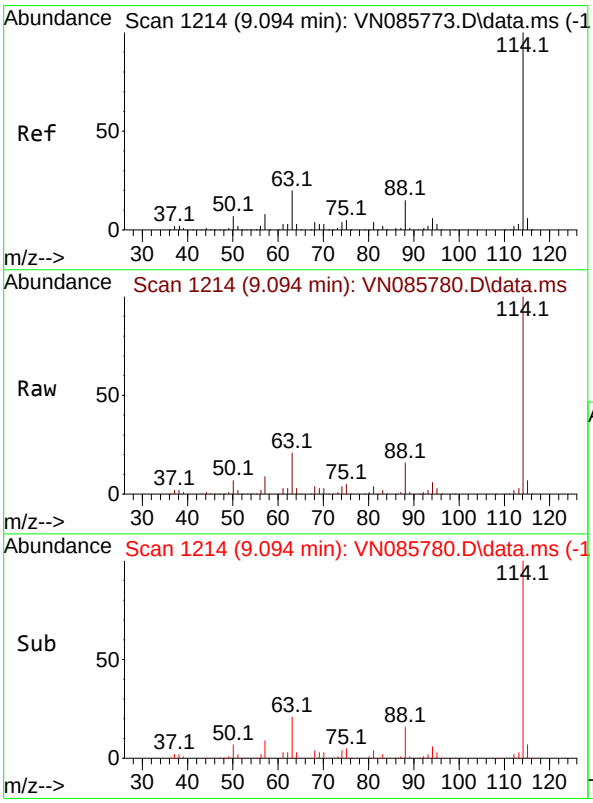
#33
1,2-Dichloroethane-d4
Concen: 50.125 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 65 Resp: 204064

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.2

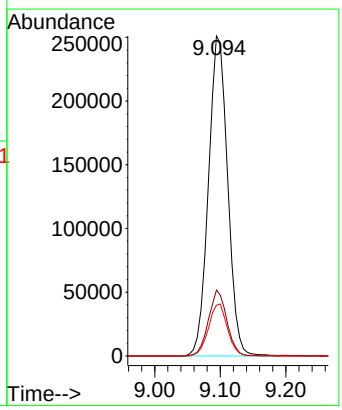


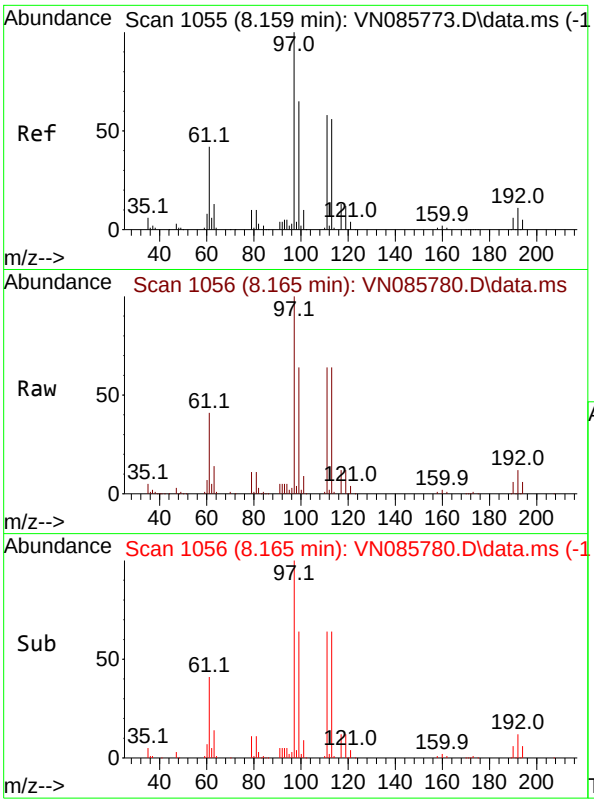


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:114 Resp: 510764

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.2
88	15.9	0.0	30.0



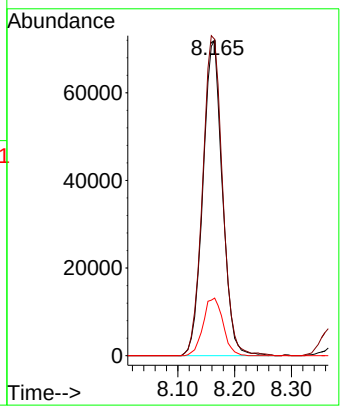


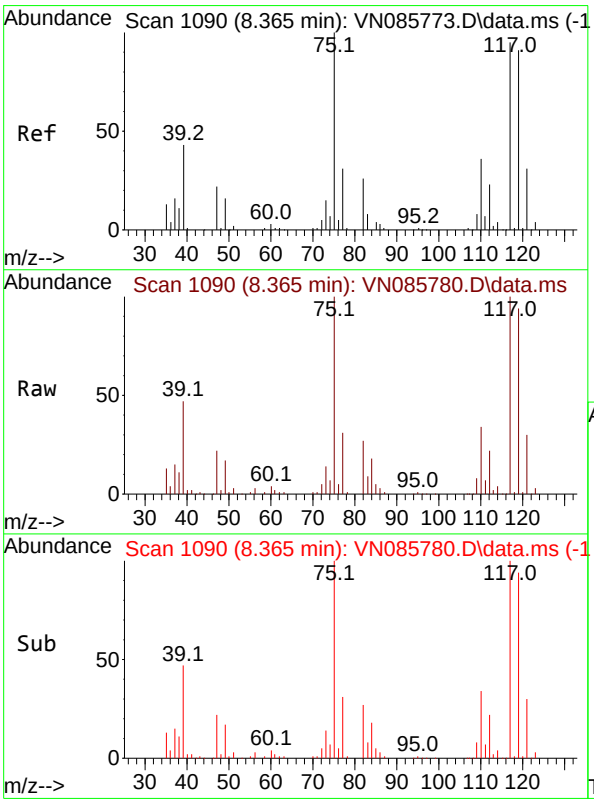
#35
Dibromofluoromethane
Concen: 50.972 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:113 Resp: 170358

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.2	123.4
192	18.8	14.7	22.1

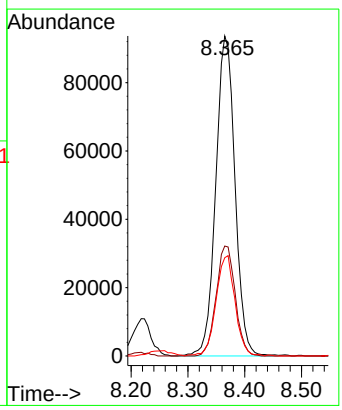


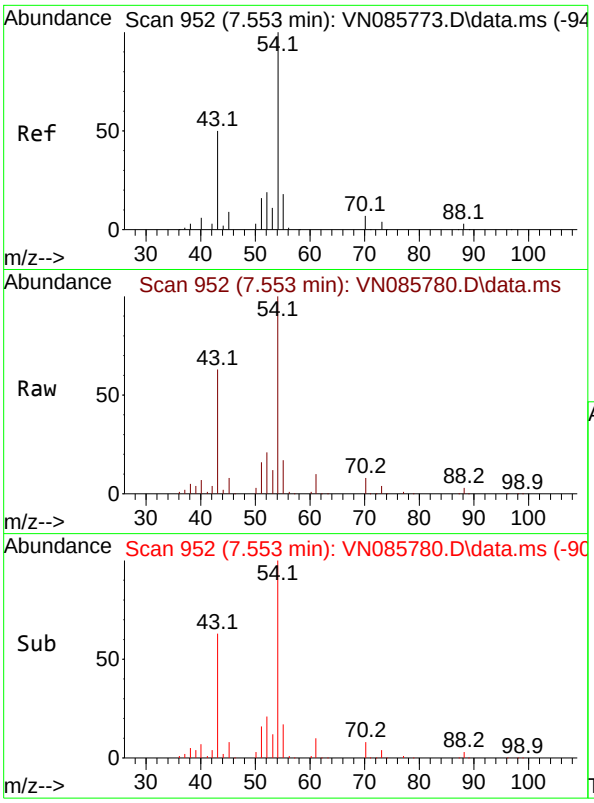


#36
1,1-Dichloropropene
Concen: 46.581 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 220335

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	31.1	24.6	37.0



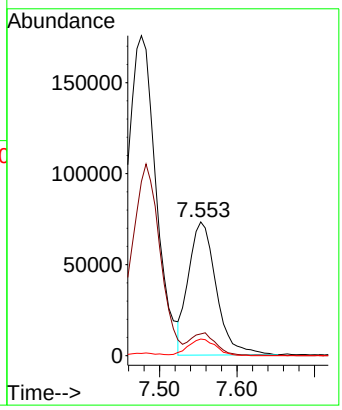


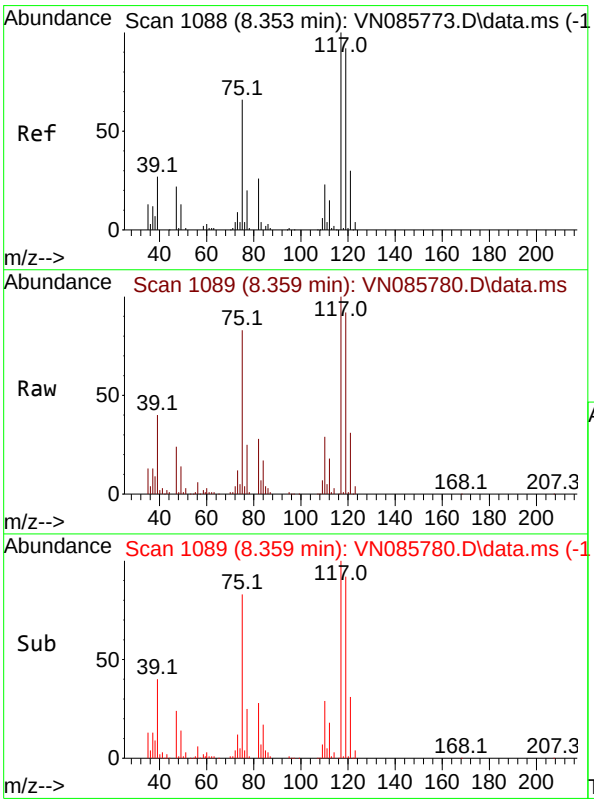
#37
Ethyl Acetate
Concen: 46.779 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 43 Resp: 182091

Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.2	18.2
70	12.5	9.5	14.3

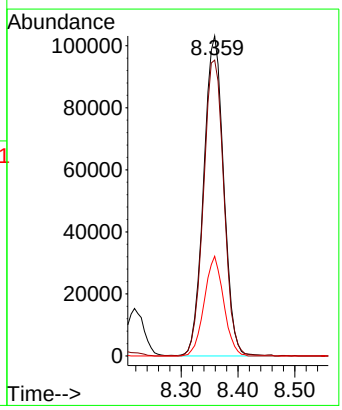


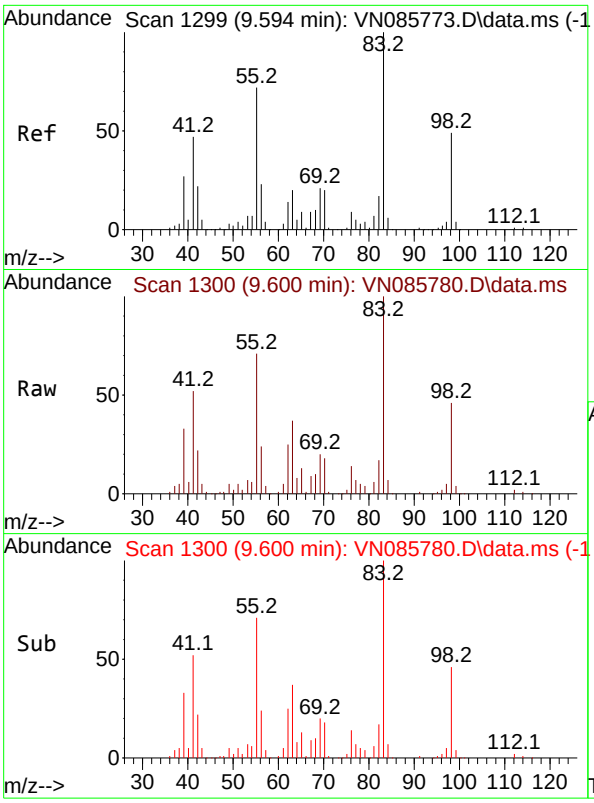


#38
Carbon Tetrachloride
Concen: 44.828 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:117 Resp: 251949

Ion	Ratio	Lower	Upper
117	100		
119	92.5	73.8	110.6
121	31.1	24.3	36.5



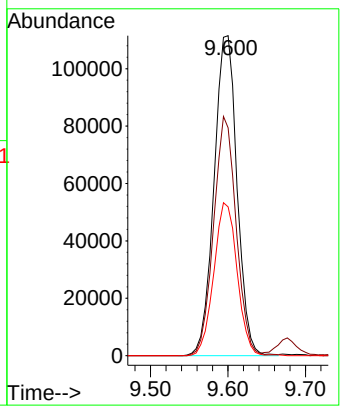


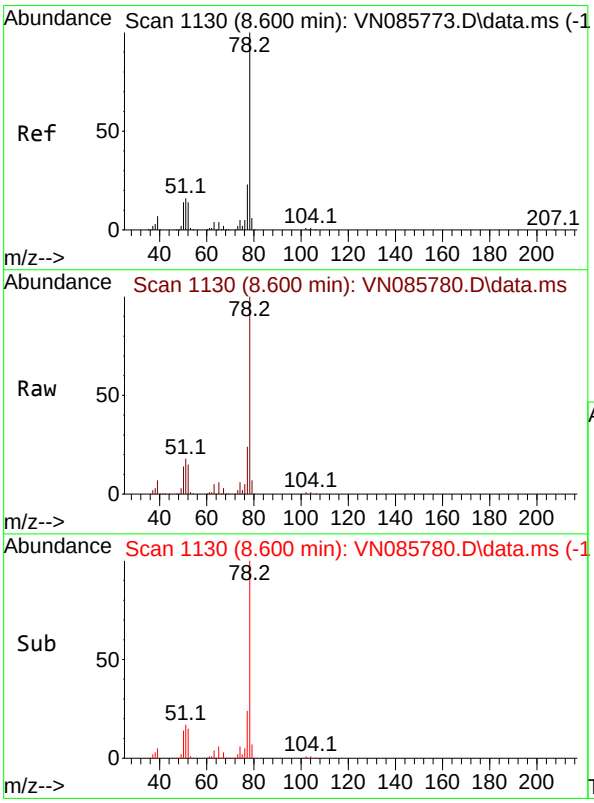
#39
Methylcyclohexane
Concen: 49.612 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 83 Resp: 230541

Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.5	86.3
98	46.5	39.2	58.8

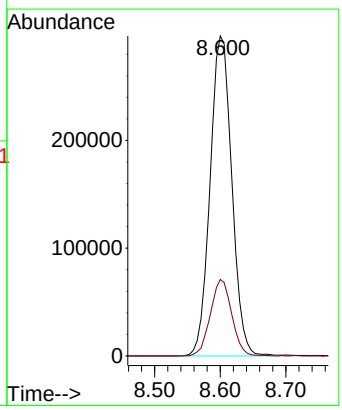


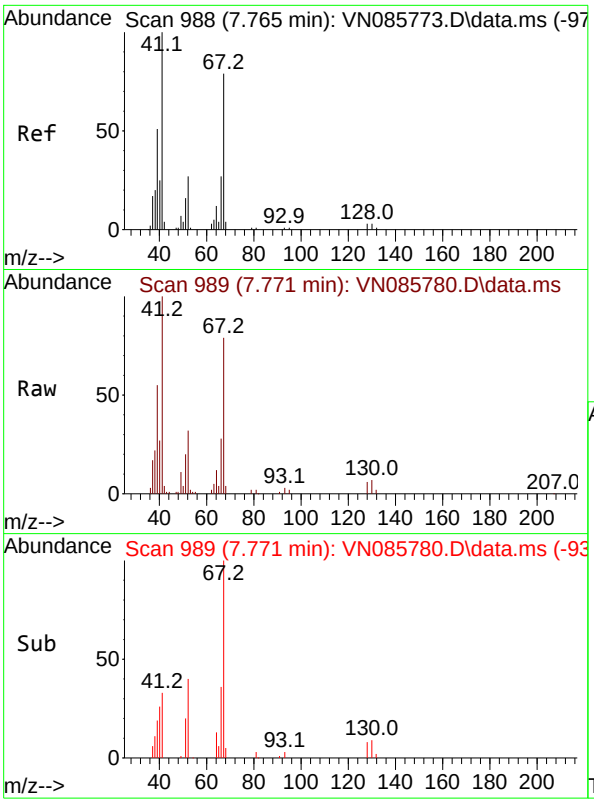


#40
Benzene
Concen: 45.016 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 78 Resp: 682453

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5



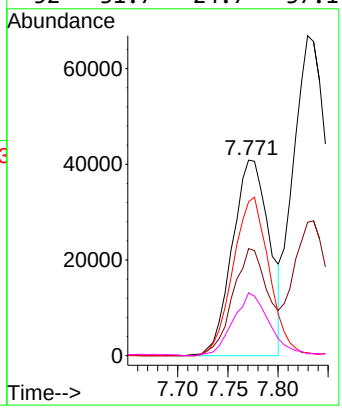


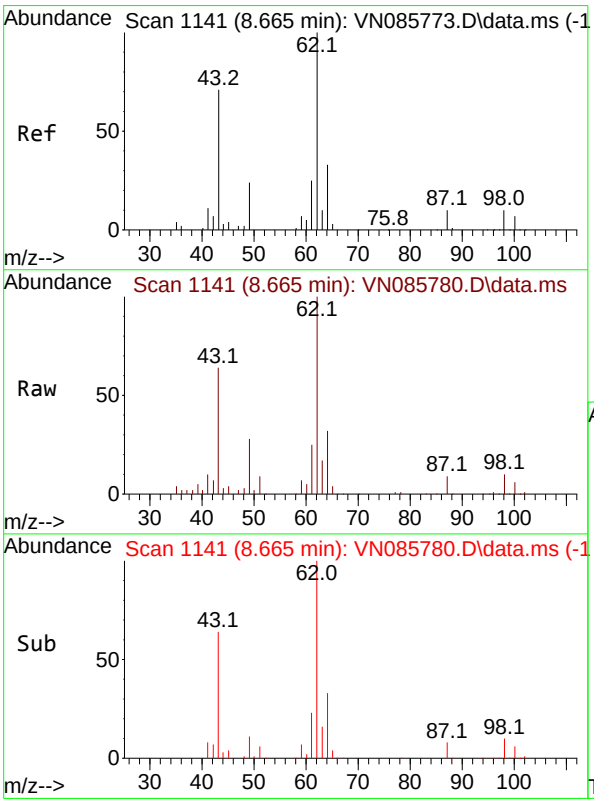
#41
Methacrylonitrile
Concen: 50.597 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 41 Resp: 105287

Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.0	63.0
67	79.2	64.2	96.4
52	31.7	24.7	37.1

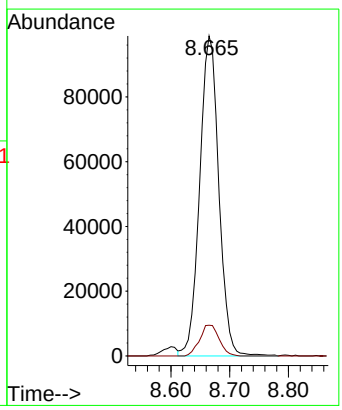


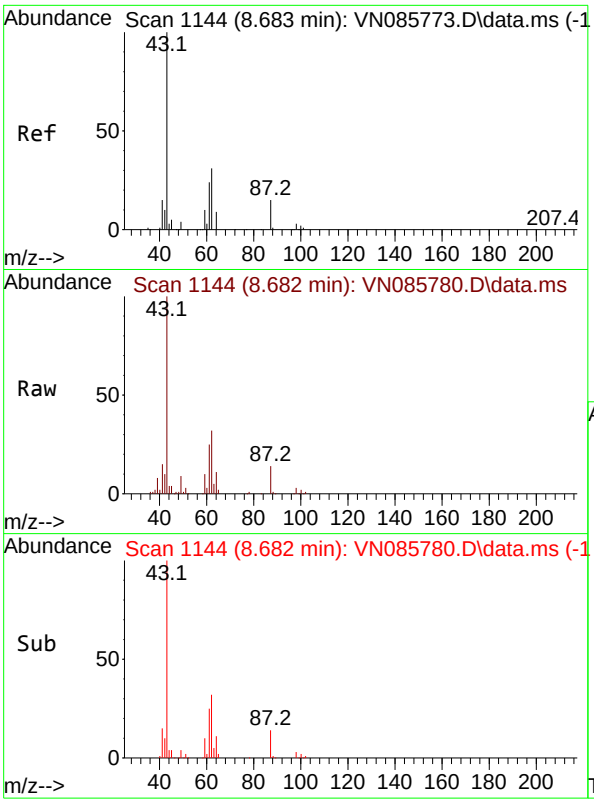


#42
1,2-Dichloroethane
Concen: 45.321 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 62 Resp: 223798

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6



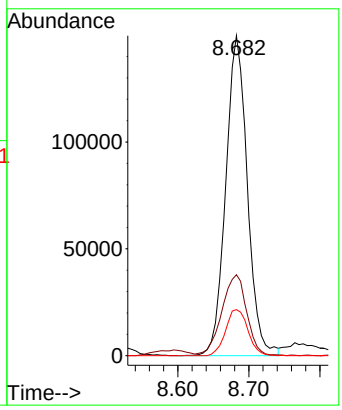


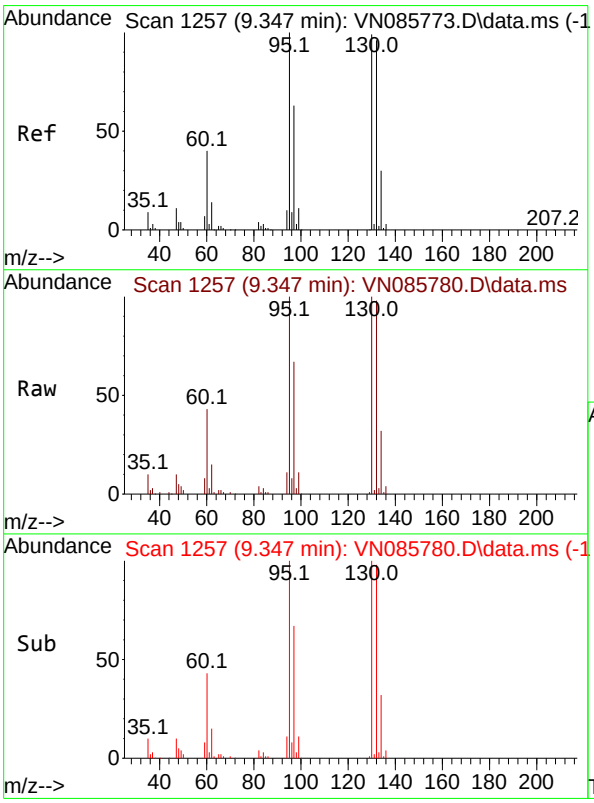
#43
Isopropyl Acetate
Concen: 46.374 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 43 Resp: 317074

Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.6	34.0
87	14.9	11.8	17.8

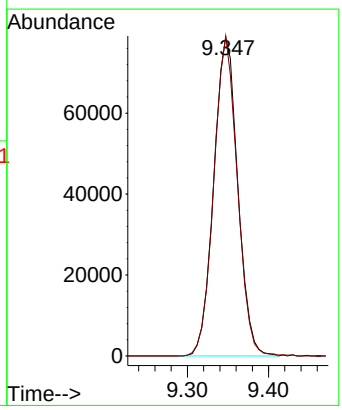


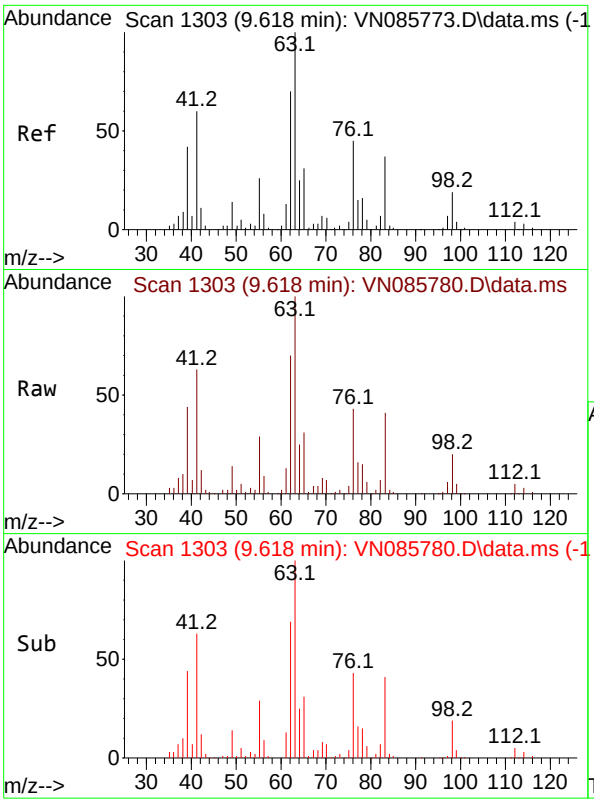


#44
Trichloroethene
Concen: 43.368 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:130 Resp: 161430

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	202.6



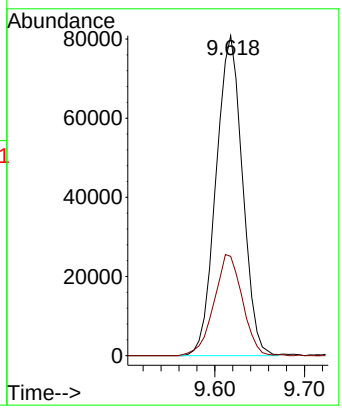


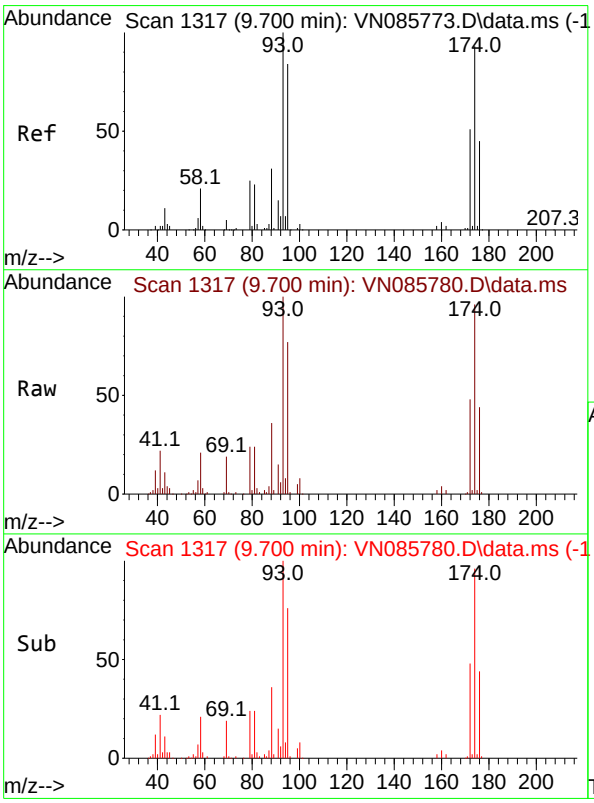
#45
1,2-Dichloropropane
Concen: 45.194 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 63 Resp: 165383

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.1	37.7

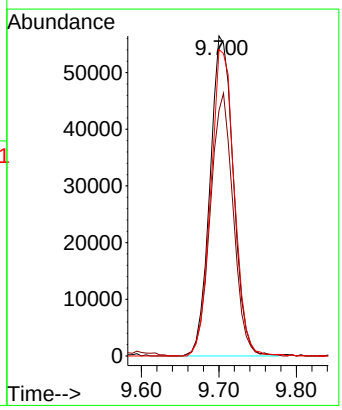


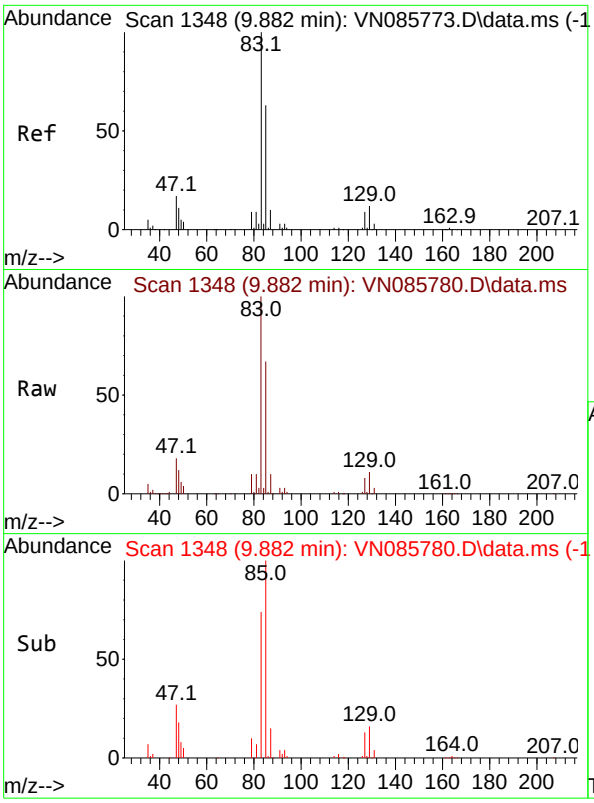


#46
Dibromomethane
Concen: 45.867 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 93 Resp: 118394

Ion	Ratio	Lower	Upper
93	100		
95	80.3	66.7	100.1
174	96.1	77.2	115.8



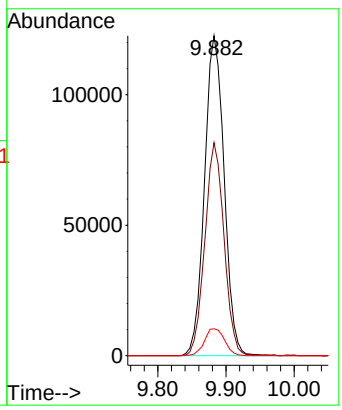


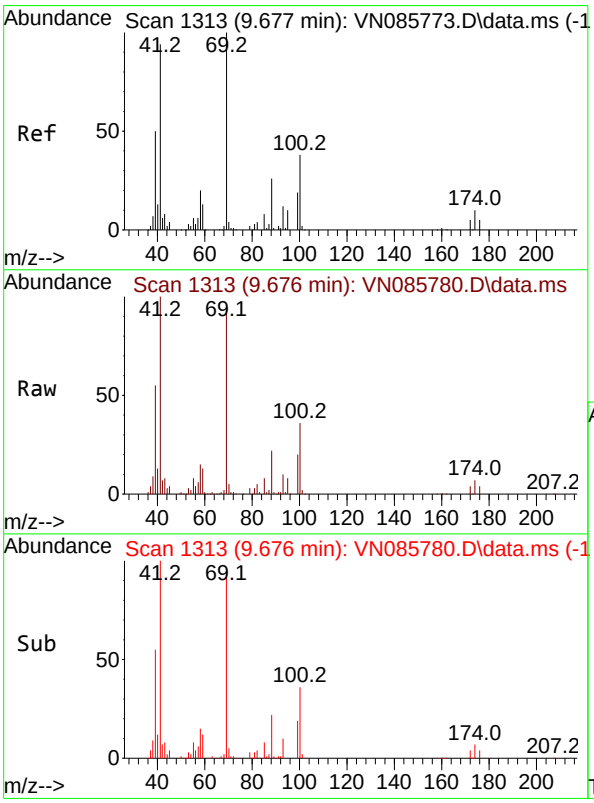
#47
Bromodichloromethane
Concen: 44.443 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 83 Resp: 245433

Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.5	75.7
127	8.4	7.2	10.8

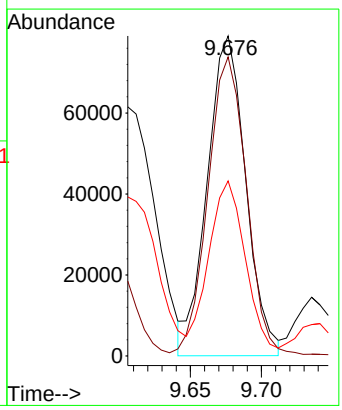


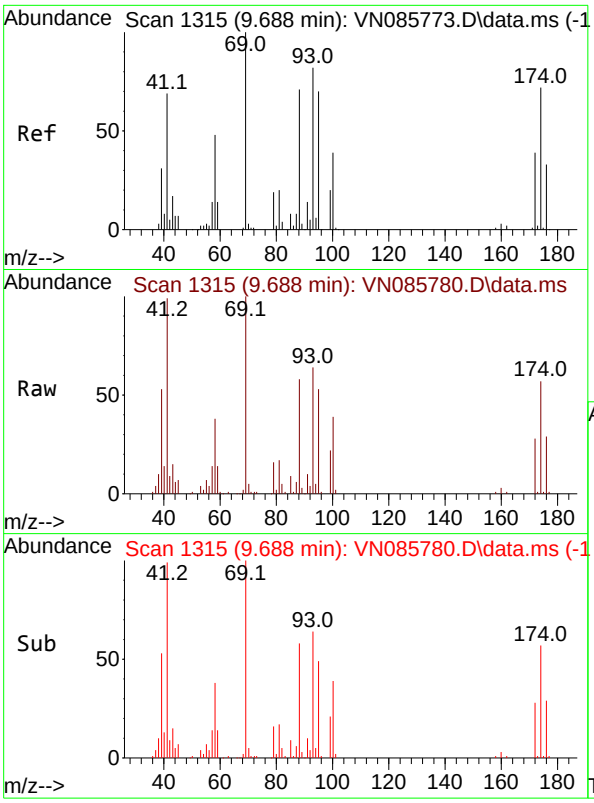


#48
Methyl methacrylate
Concen: 51.566 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 41 Resp: 149072

Ion	Ratio	Lower	Upper
41	100		
69	93.7	76.0	114.0
39	53.0	42.3	63.5



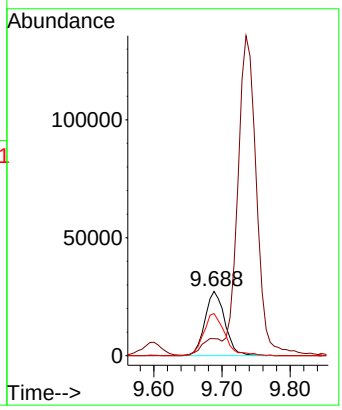


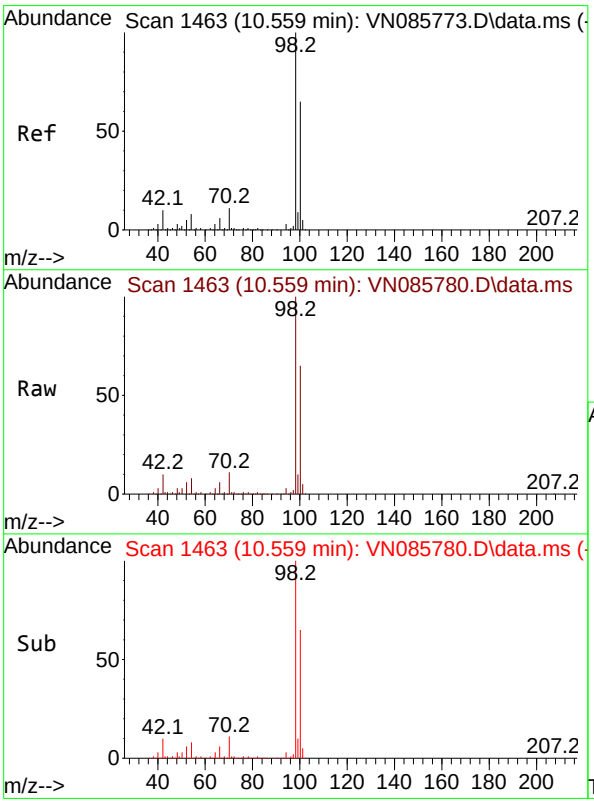
#49
1,4-Dioxane
Concen: 1010.103 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 88 Resp: 55529

Ion	Ratio	Lower	Upper
88	100		
43	26.0	18.6	27.8
58	70.1	56.7	85.1

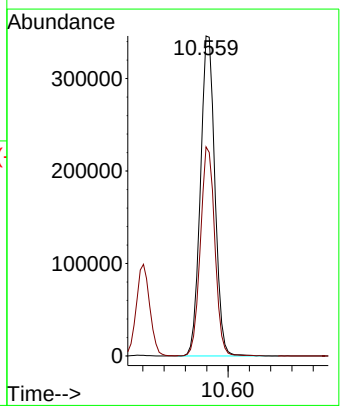


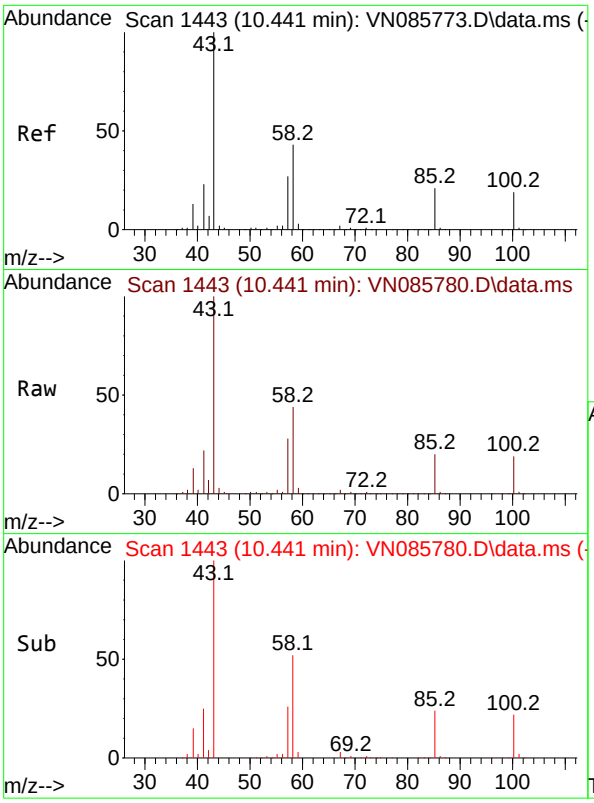


#50
Toluene-d8
Concen: 53.575 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 98 Resp: 651463

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1



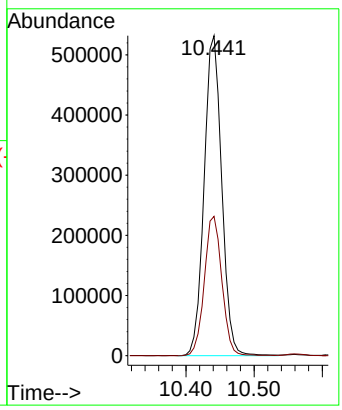


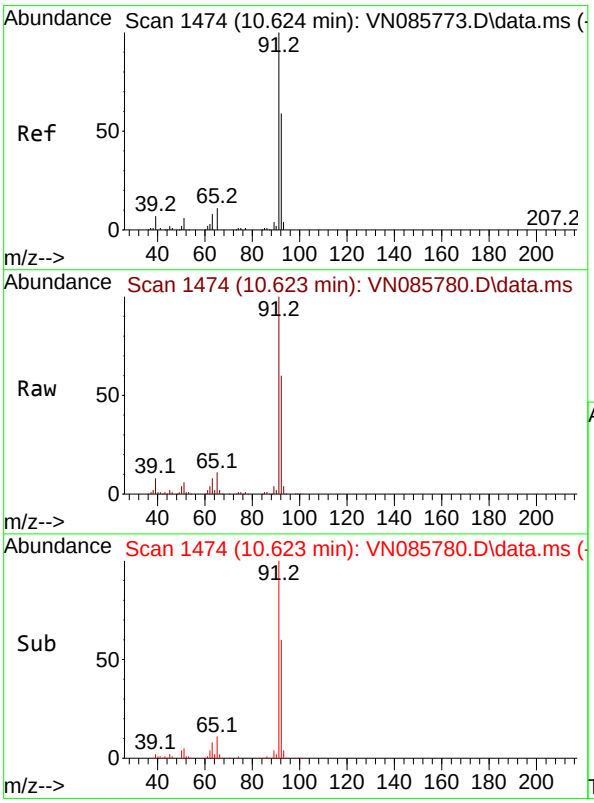
#51
4-Methyl-2-Pentanone
Concen: 254.433 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 43 Resp: 954888

Ion	Ratio	Lower	Upper
43	100		
58	43.4	34.6	52.0

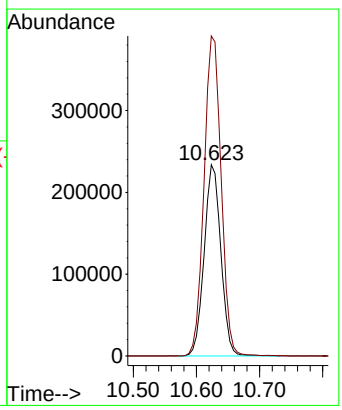


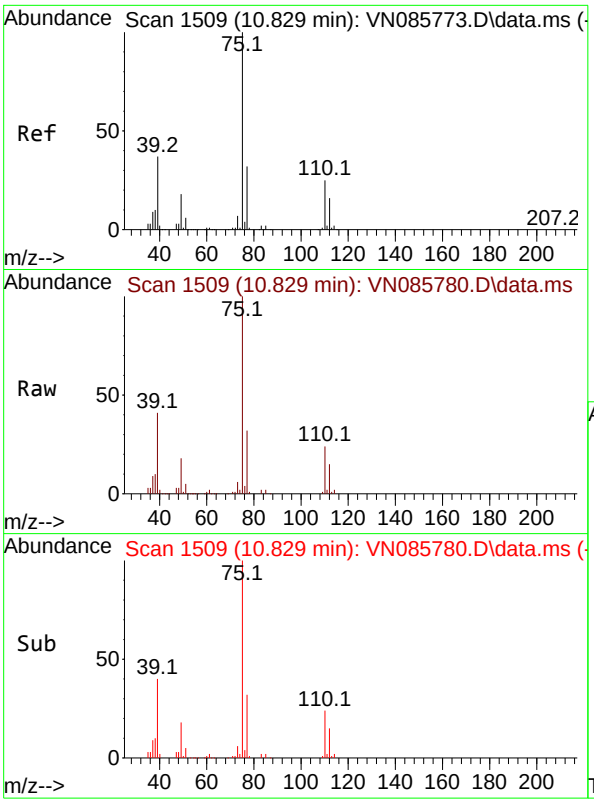


#52
Toluene
Concen: 48.324 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 92 Resp: 429445

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.9	205.3



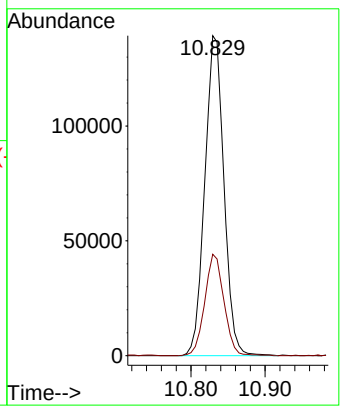


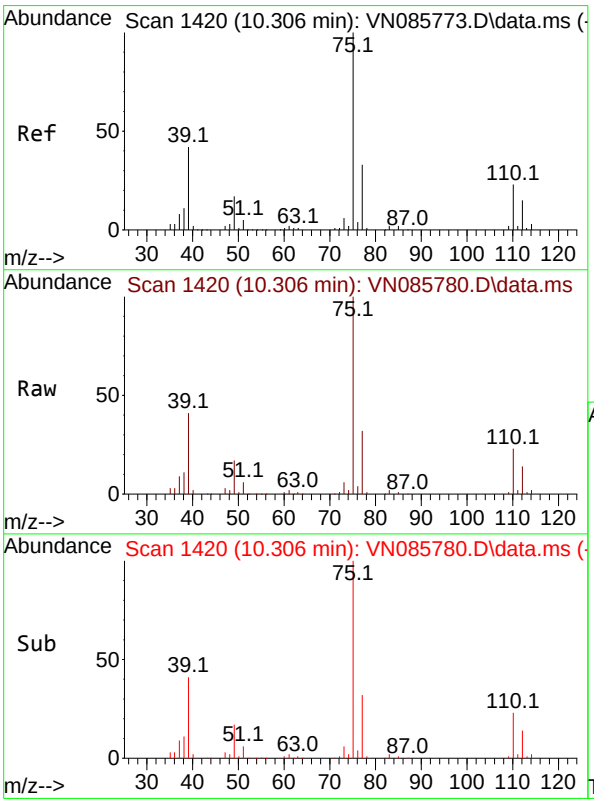
#53
t-1,3-Dichloropropene
Concen: 48.873 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 75 Resp: 249572

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

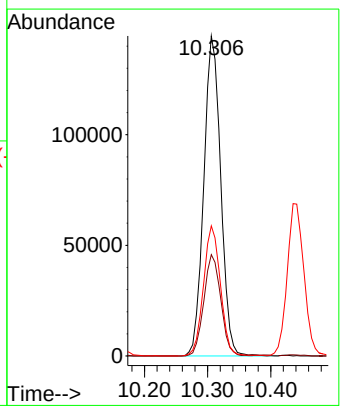


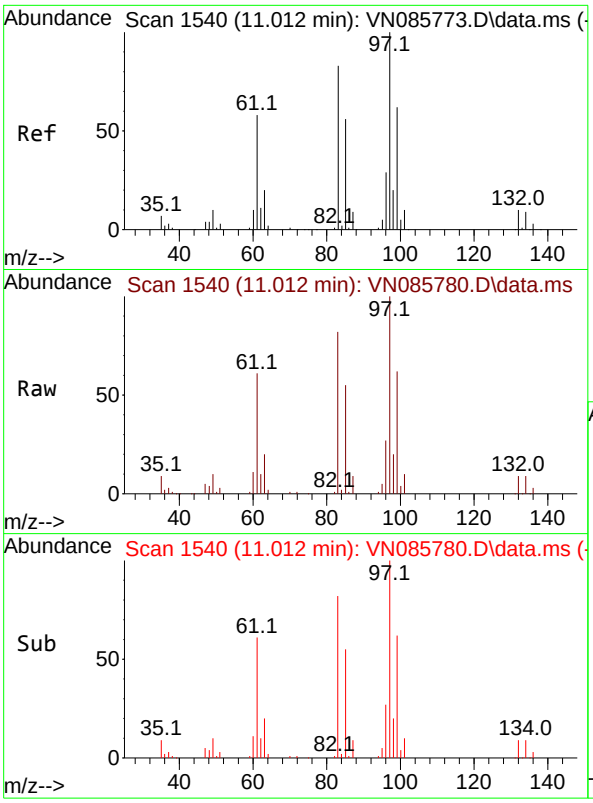


#54
cis-1,3-Dichloropropene
Concen: 48.172 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 269744

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	40.7	33.4	50.0



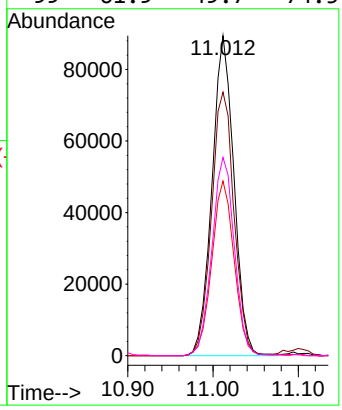


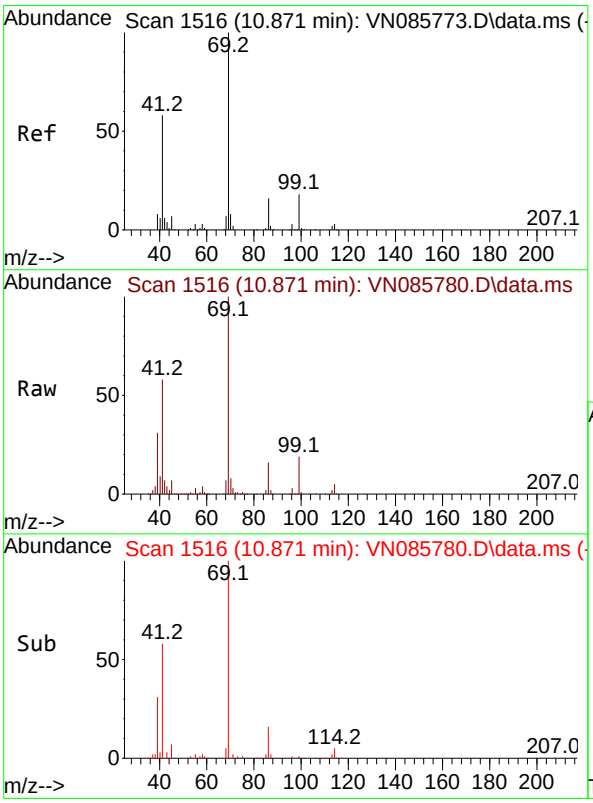
#55
1,1,2-Trichloroethane
Concen: 45.289 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 97 Resp: 160020

Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.1	99.1
85	54.5	44.7	67.1
99	61.9	49.7	74.5

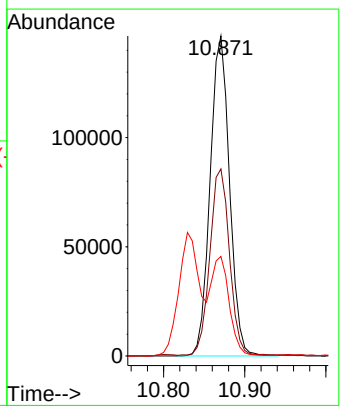


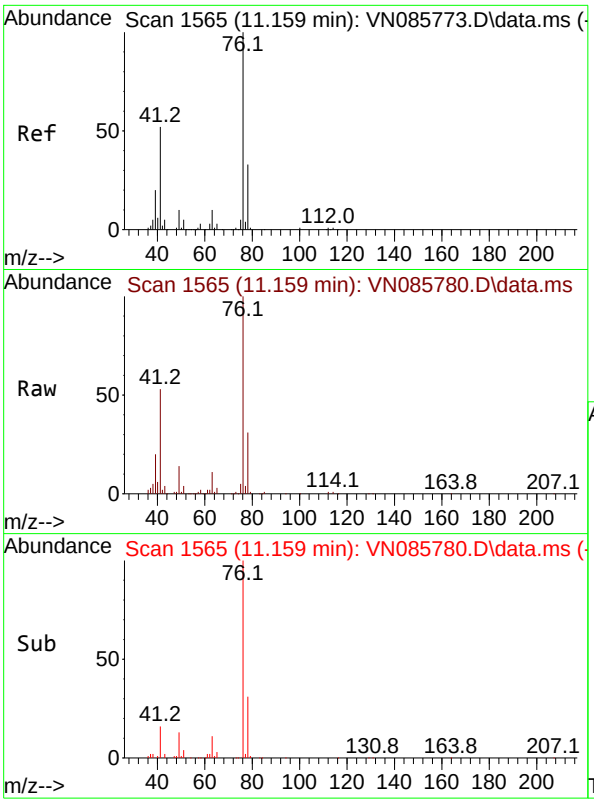


#56
Ethyl methacrylate
Concen: 48.142 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 69 Resp: 243449

Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.0	69.0
39	28.2	22.0	33.0



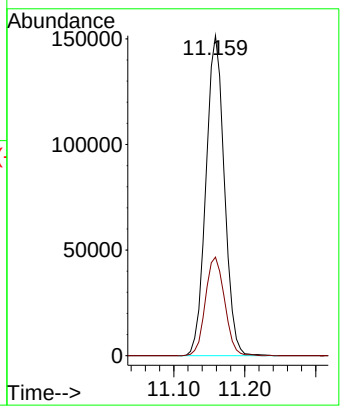


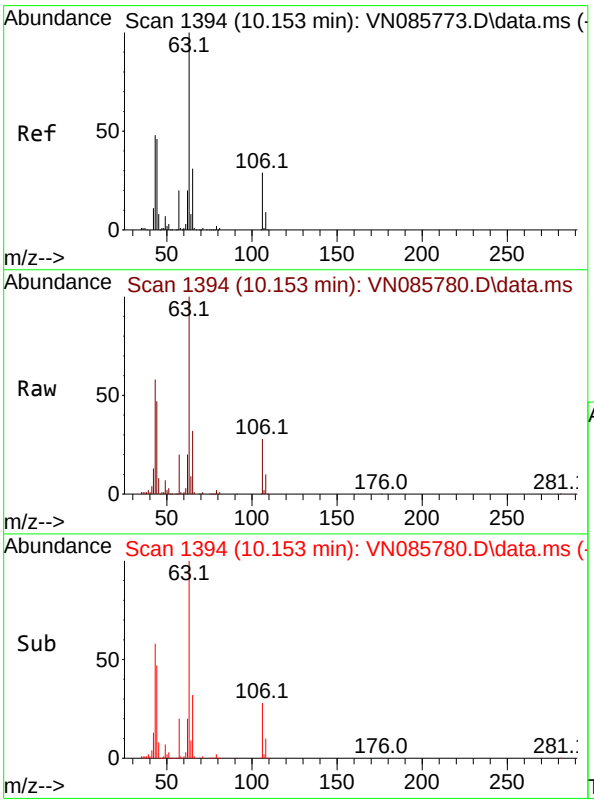
#57
1,3-Dichloropropane
Concen: 46.254 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 76 Resp: 272817

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

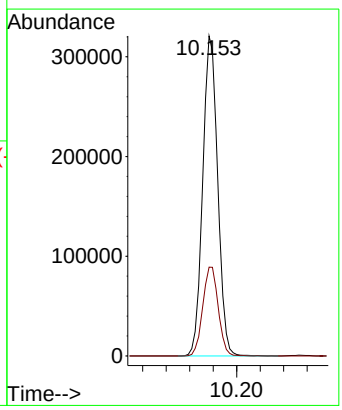


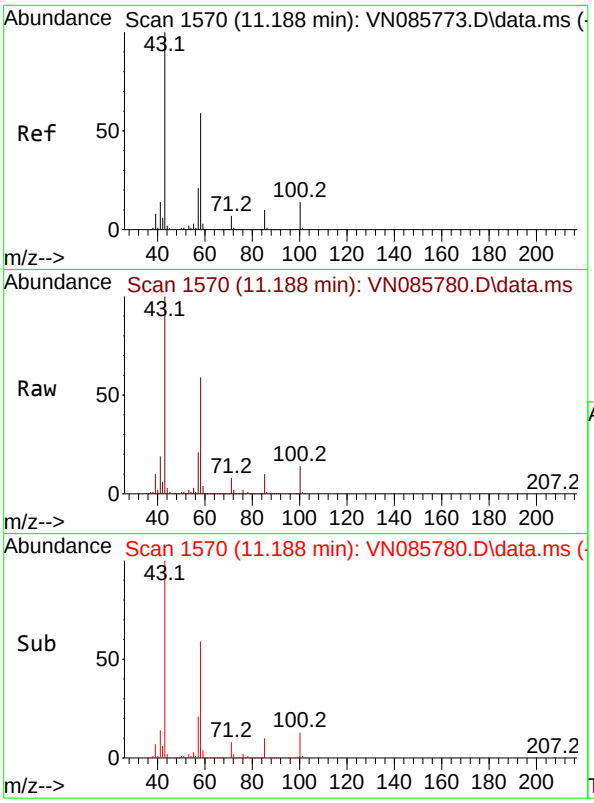


#58
2-Chloroethyl Vinyl ether
Concen: 276.203 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 63 Resp: 565673

Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.7	34.1



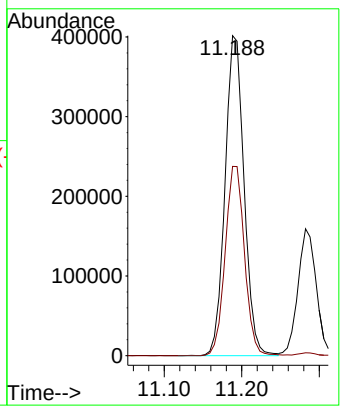


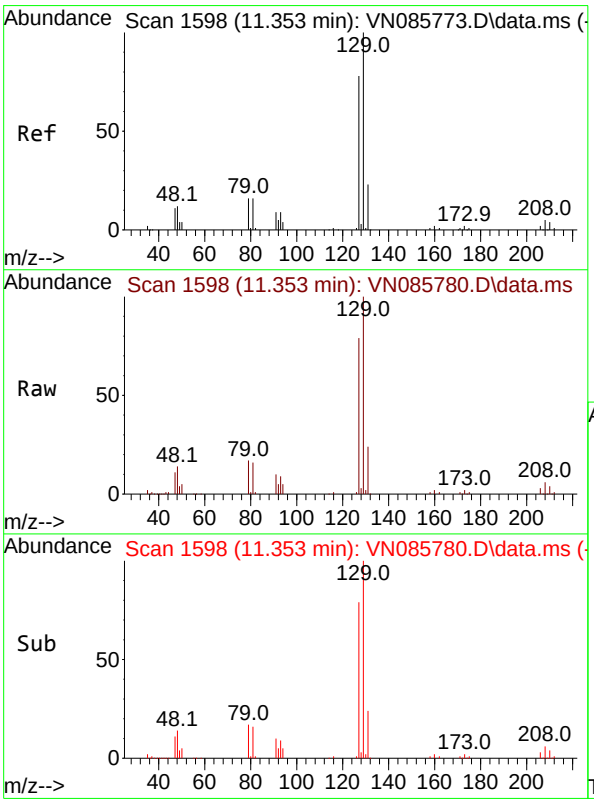
#59
2-Hexanone
Concen: 266.284 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 43 Resp: 687507

Ion	Ratio	Lower	Upper
43	100		
58	60.0	29.8	89.5

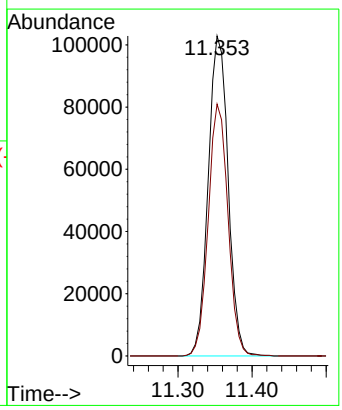


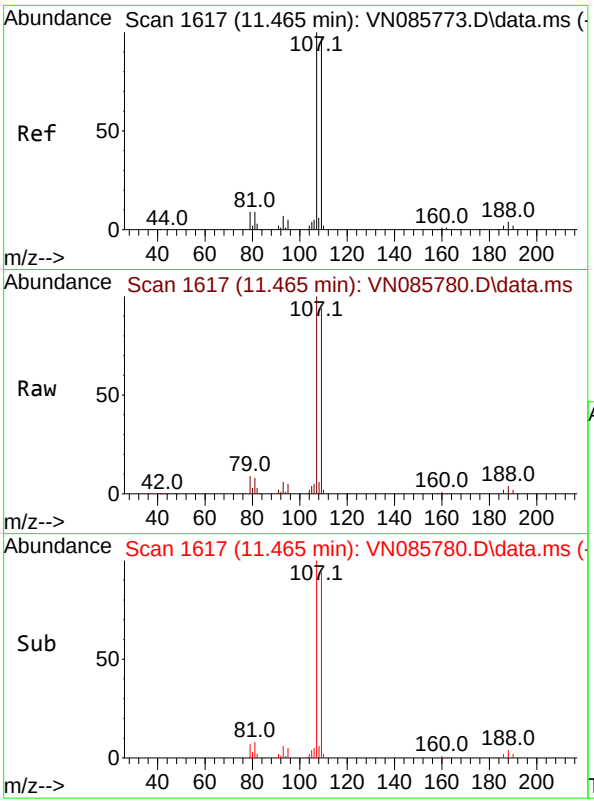


#60
Dibromochloromethane
Concen: 46.707 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:129 Resp: 192169

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.5



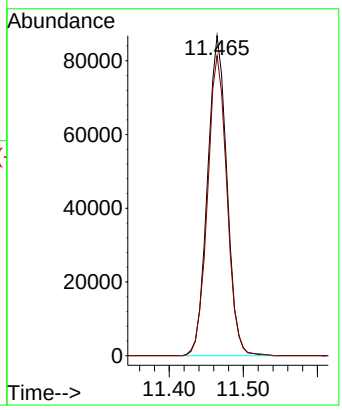


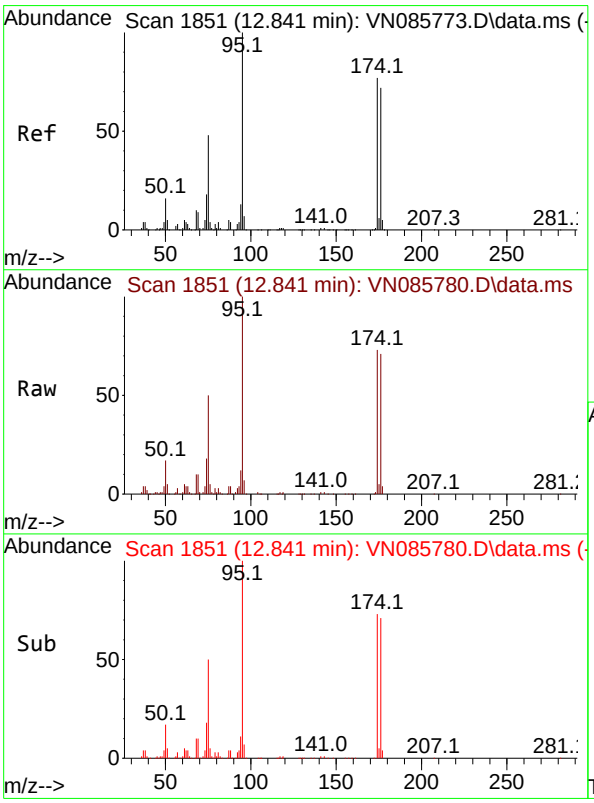
#61
1,2-Dibromoethane
Concen: 47.208 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:107 Resp: 157602

Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.0	114.0

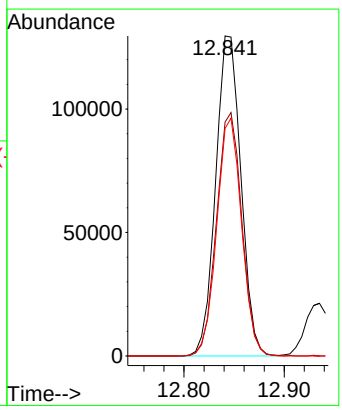


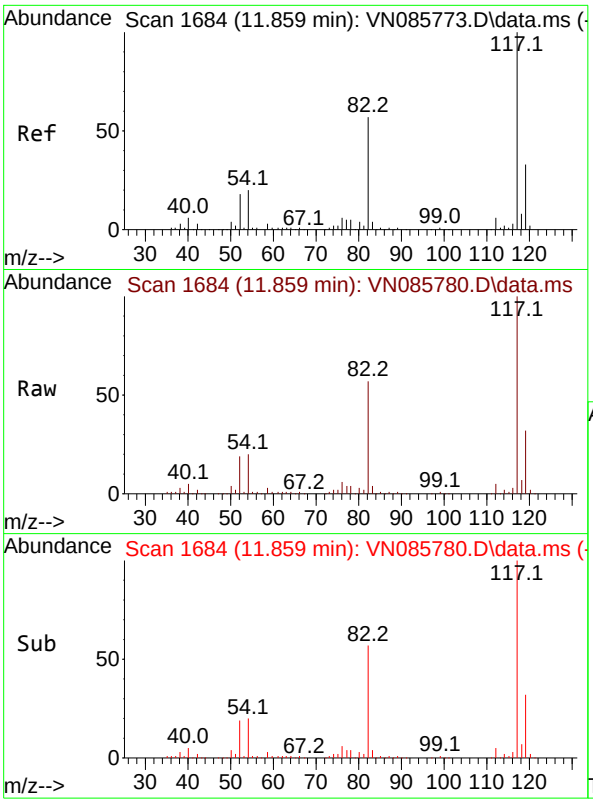


#62
4-Bromofluorobenzene
Concen: 56.665 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 95 Resp: 227023

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	152.4
176	73.1	0.0	146.6



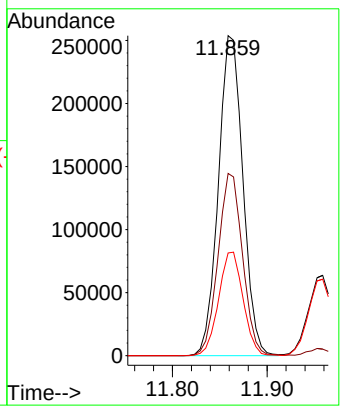


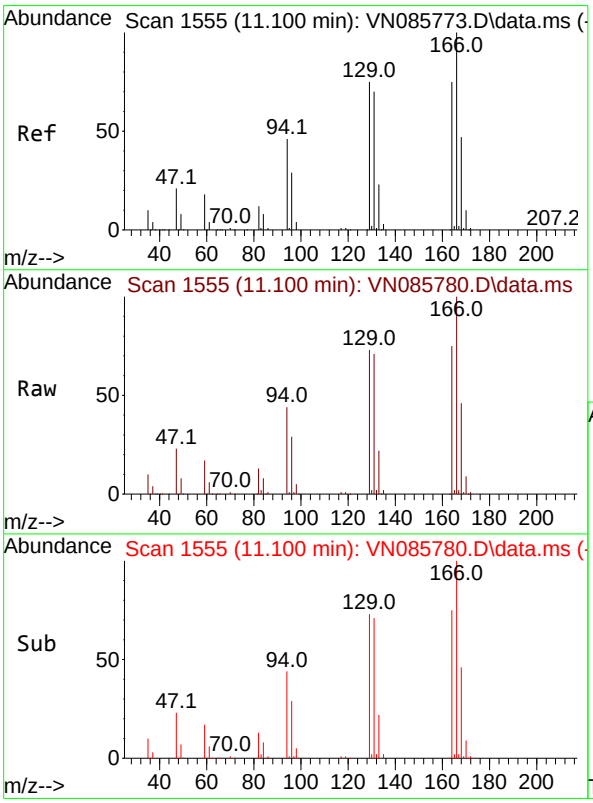
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:117 Resp: 456487

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.7	68.5
119	32.1	26.2	39.2

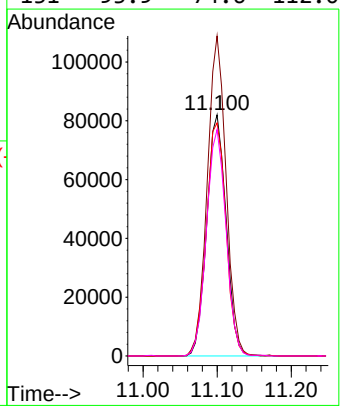


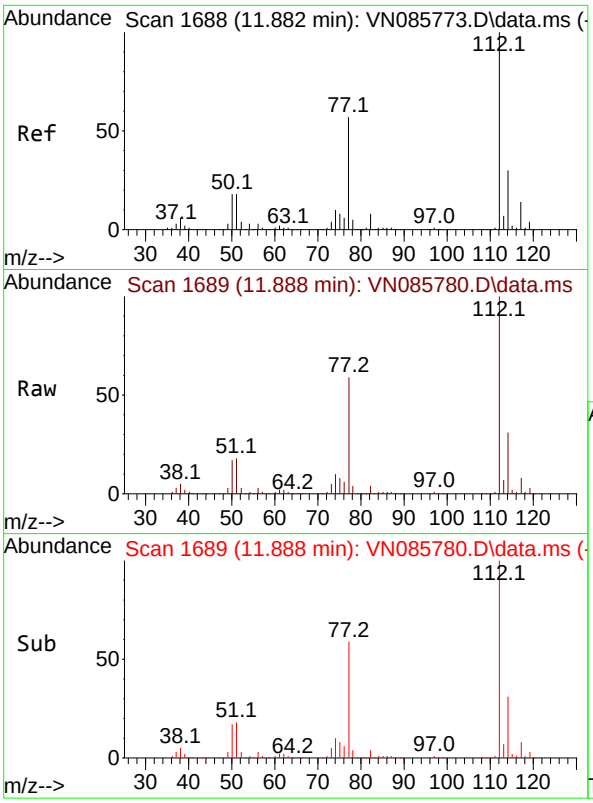


#64
Tetrachloroethene
Concen: 42.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:164 Resp: 148840

Ion	Ratio	Lower	Upper
164	100		
166	132.7	107.2	160.8
129	96.7	80.7	121.1
131	93.9	74.6	112.0



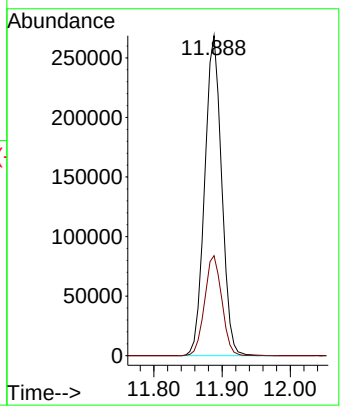


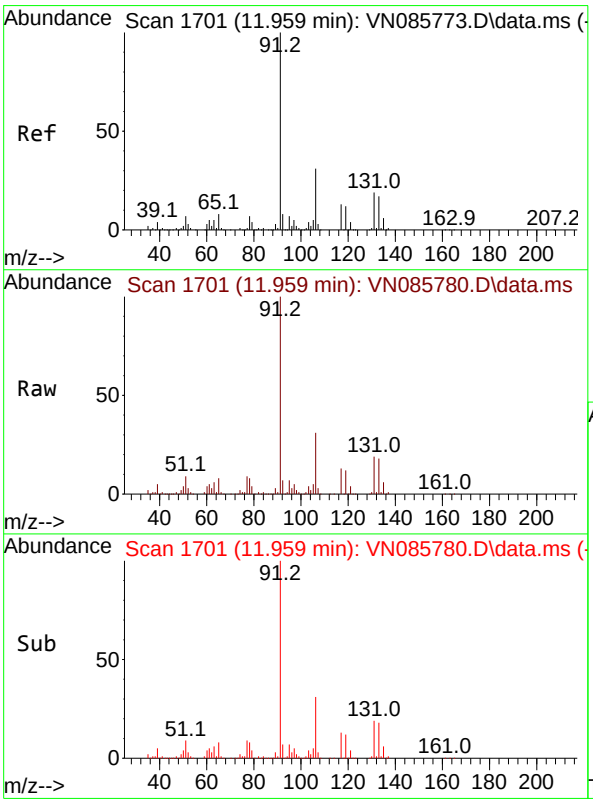
#65
Chlorobenzene
Concen: 44.422 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:112 Resp: 464545

Ion	Ratio	Lower	Upper
112	100		
114	31.2	24.3	36.5

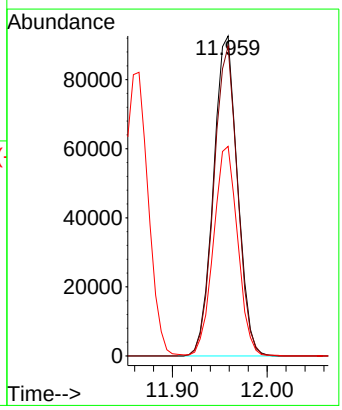


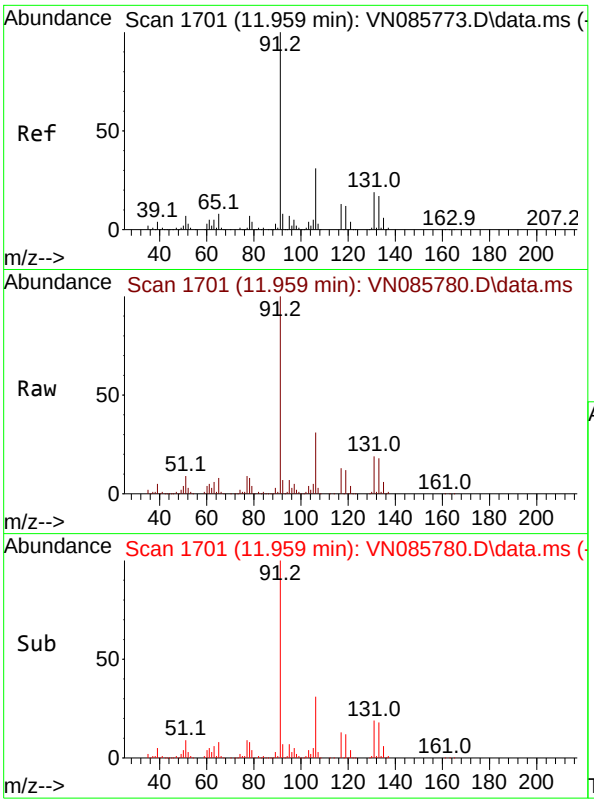


#66
1,1,1,2-Tetrachloroethane
Concen: 43.545 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:131 Resp: 163676

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.7	143.1
119	65.9	33.3	99.8



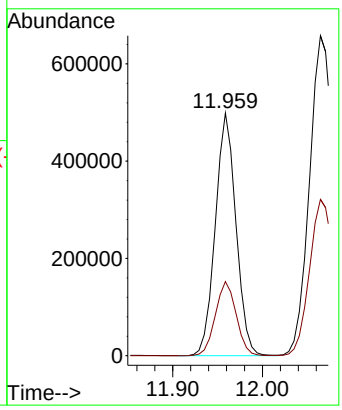


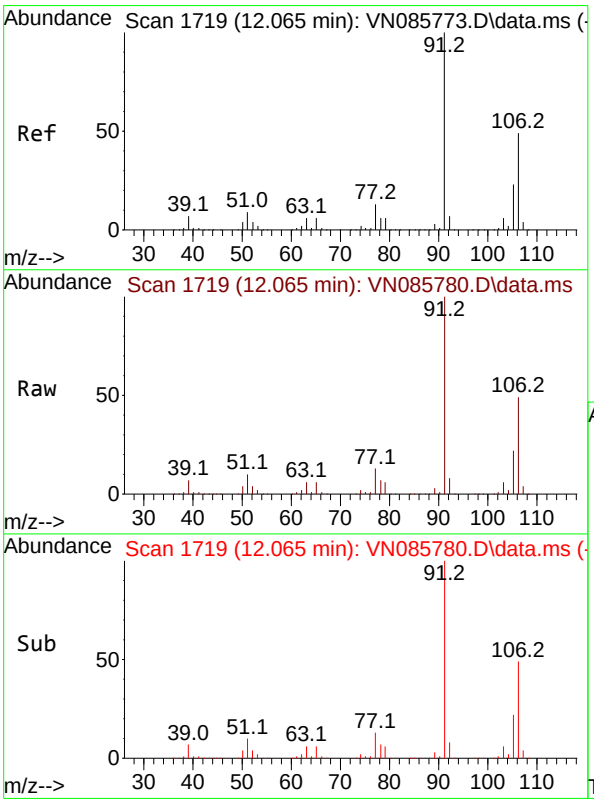
#67
Ethyl Benzene
Concen: 48.655 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 91 Resp: 797025

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.7	37.1

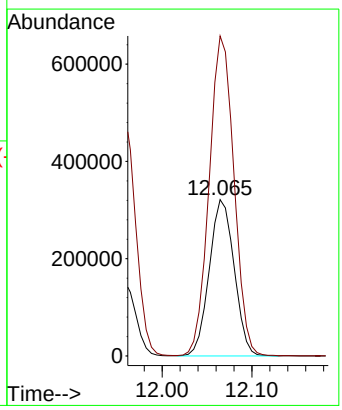


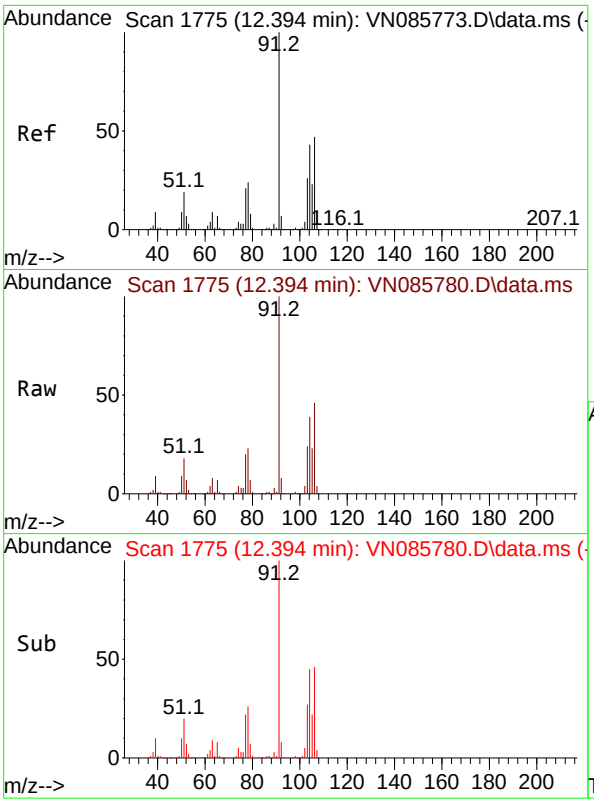


#68
m/p-Xylenes
Concen: 99.562 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:106 Resp: 619505

Ion	Ratio	Lower	Upper
106	100		
91	204.1	163.3	244.9



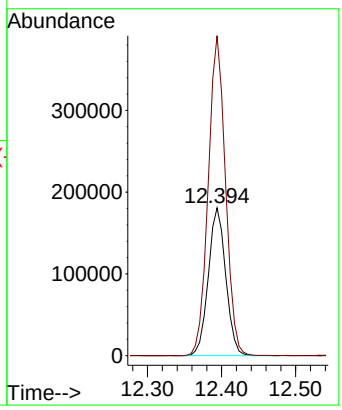


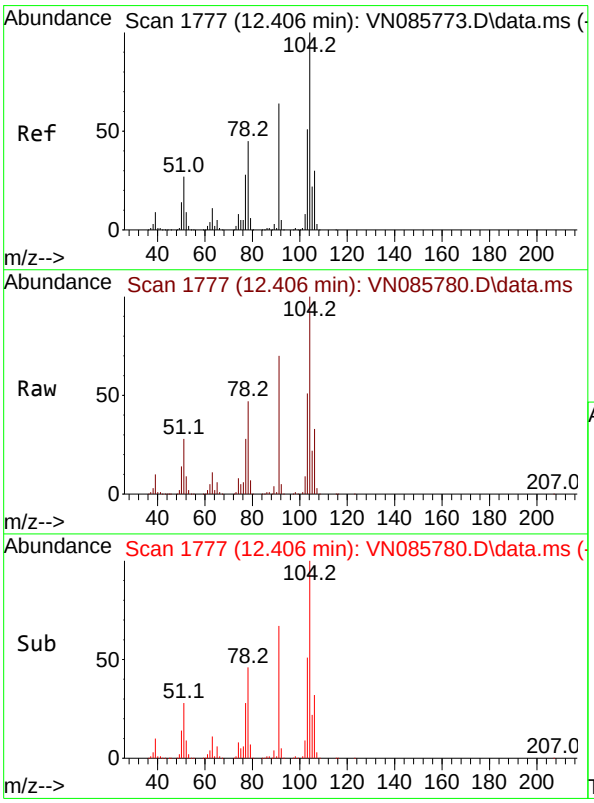
#69
o-Xylene
Concen: 49.837 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:106 Resp: 294679

Ion	Ratio	Lower	Upper
106	100		
91	214.7	107.1	321.4

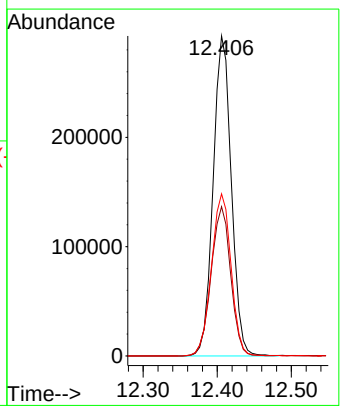


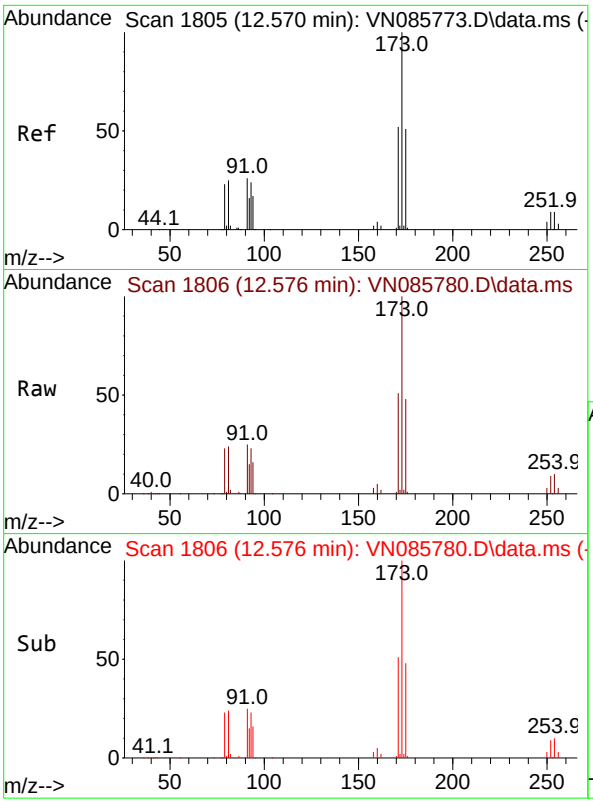


#70
Styrene
Concen: 45.726 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:104 Resp: 498501

Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.0	58.6
103	54.7	43.3	64.9



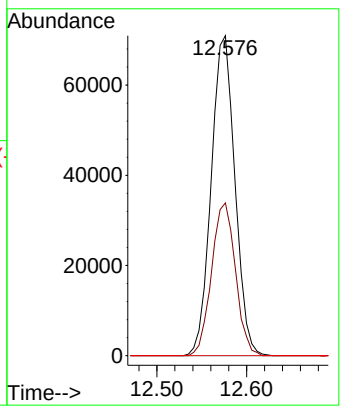


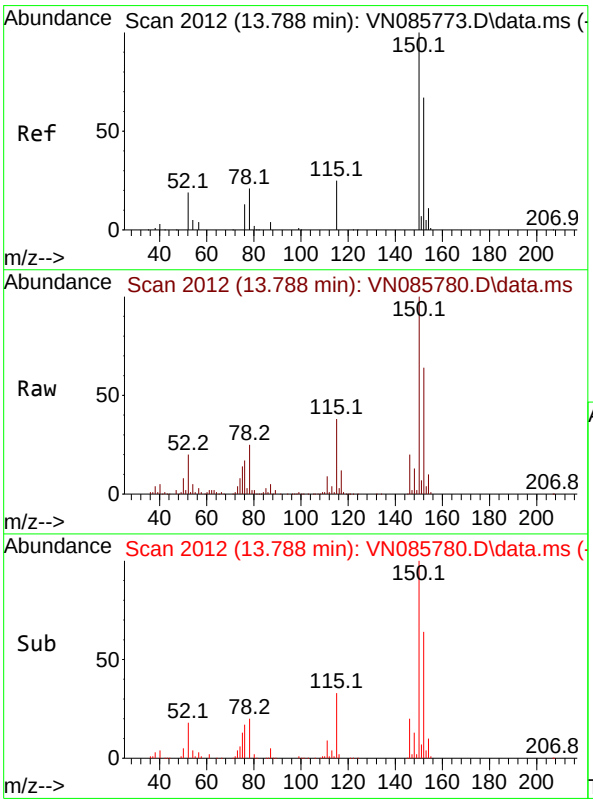
#71
Bromoform
Concen: 46.617 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:173 Resp: 130201

Ion	Ratio	Lower	Upper
173	100		
175	48.1	25.1	75.4
254	0.0	0.0	0.0

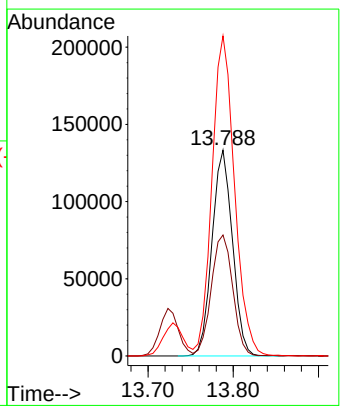


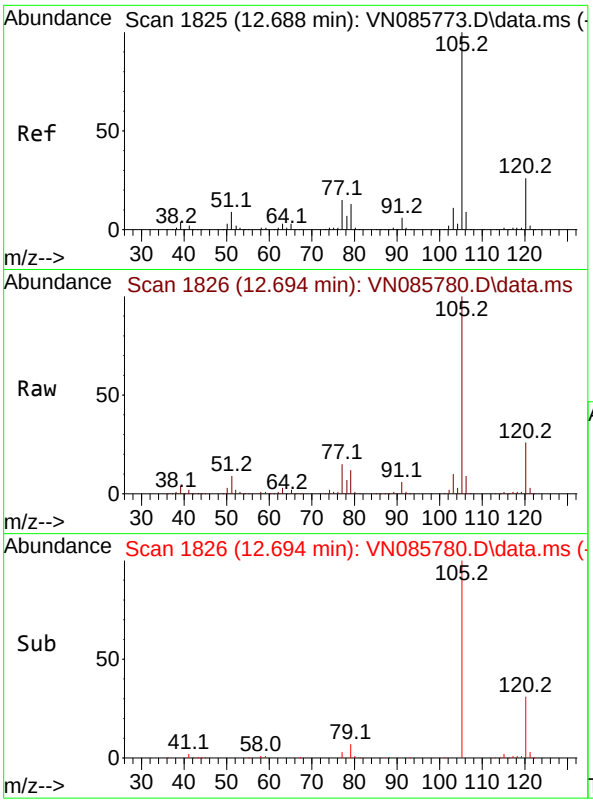


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:152 Resp: 222696

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.4	91.3
150	171.4	0.0	345.4



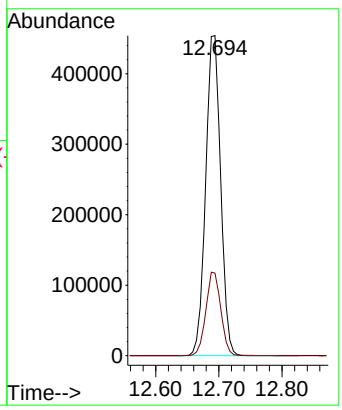


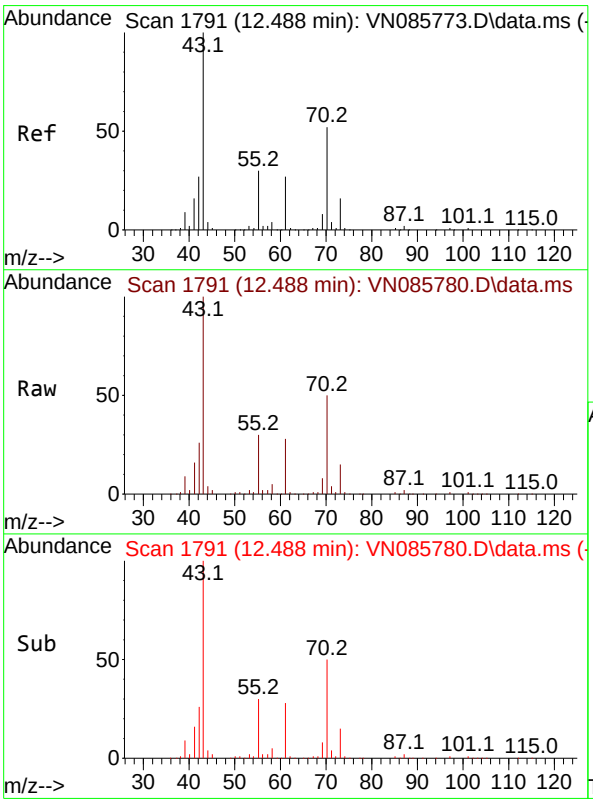
#73
Isopropylbenzene
Concen: 49.002 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:105 Resp: 747608

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

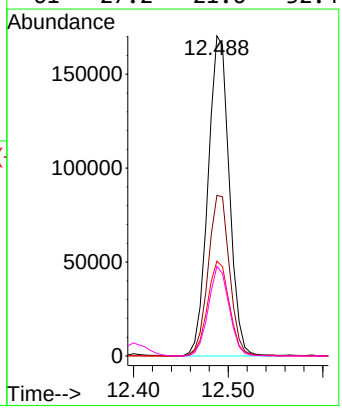


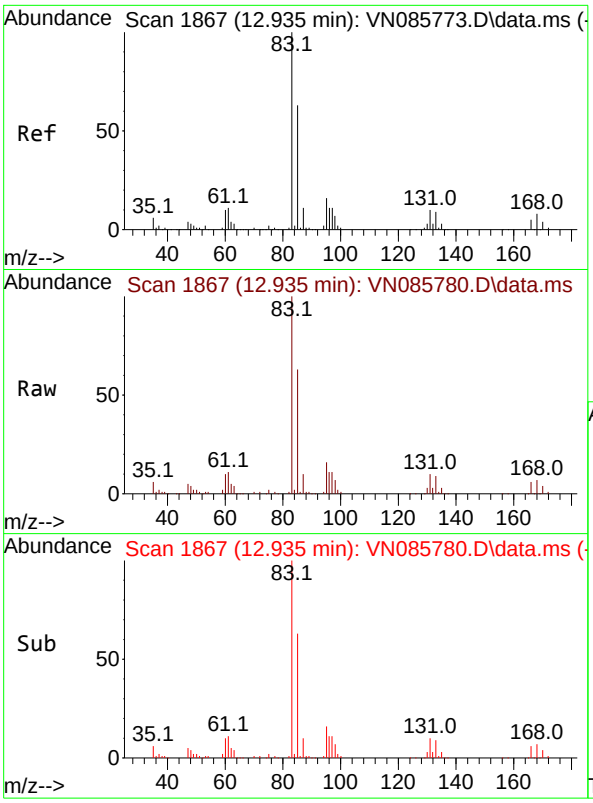


#74
N-amyl acetate
Concen: 49.401 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 43 Resp: 265786

Ion	Ratio	Lower	Upper
43	100		
70	50.4	41.0	61.4
55	30.4	24.6	36.8
61	27.2	21.6	32.4



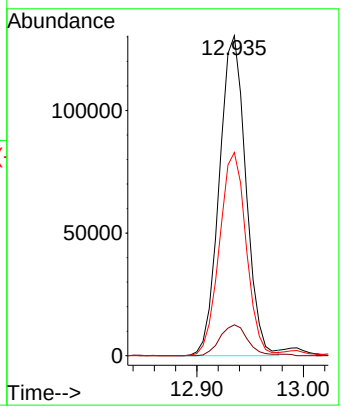


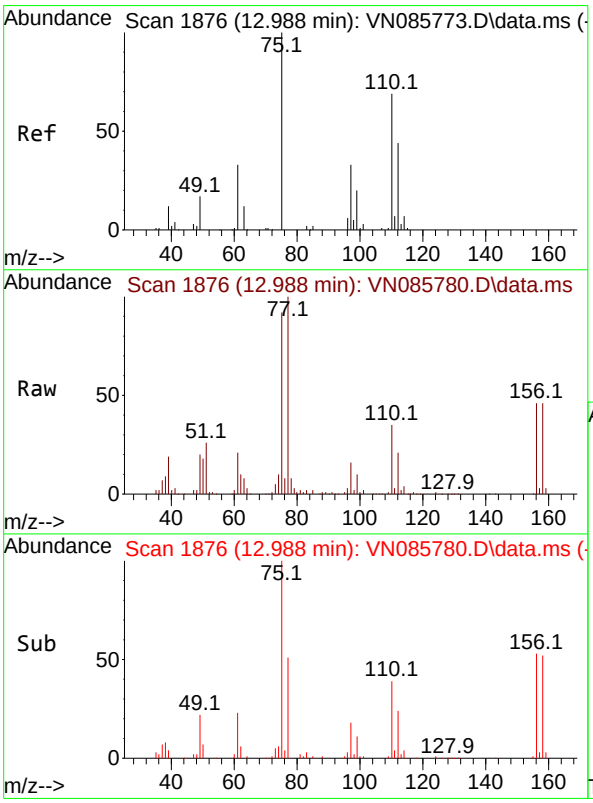
#75
1,1,2,2-Tetrachloroethane
Concen: 43.005 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 83 Resp: 225776

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.1	32.2	96.6

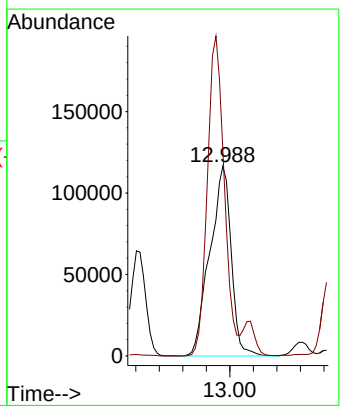


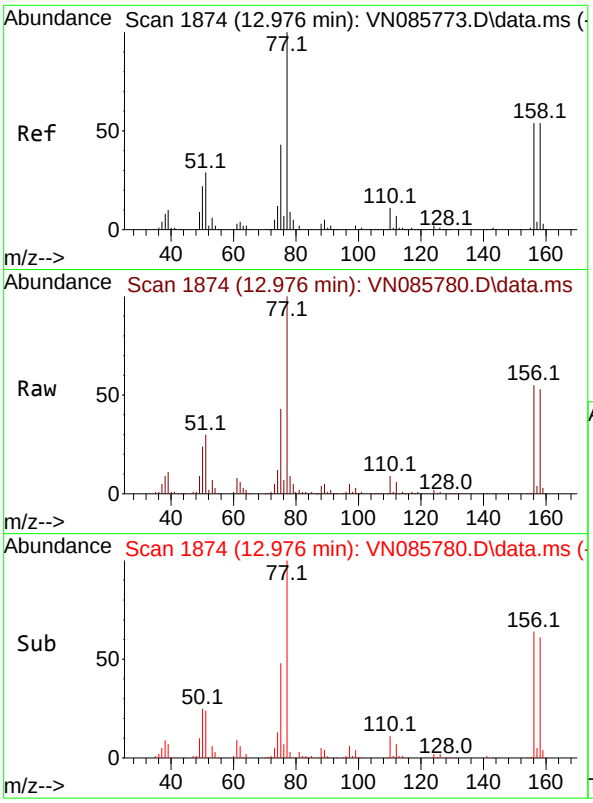


#76
1,2,3-Trichloropropane
Concen: 59.313 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 293414

Ion	Ratio	Lower	Upper
75	100		
77	134.3	100.0	300.0



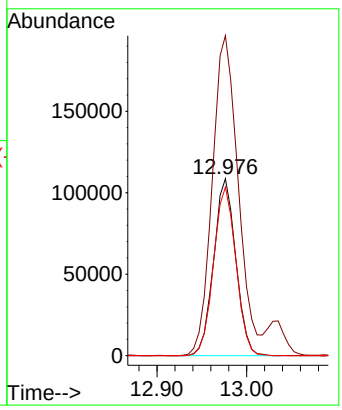


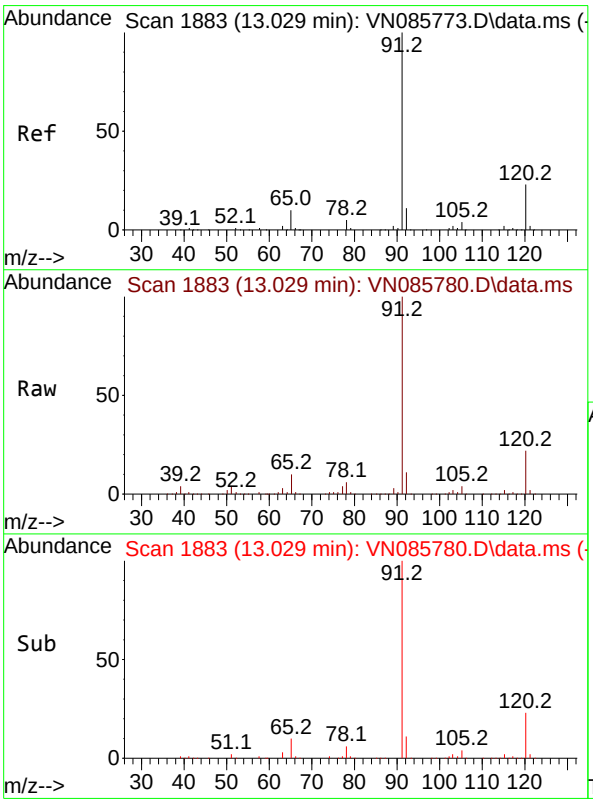
#77
Bromobenzene
Concen: 45.084 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:156 Resp: 185833

Ion	Ratio	Lower	Upper
156	100		
77	212.1	104.1	312.3
158	96.2	48.1	144.4

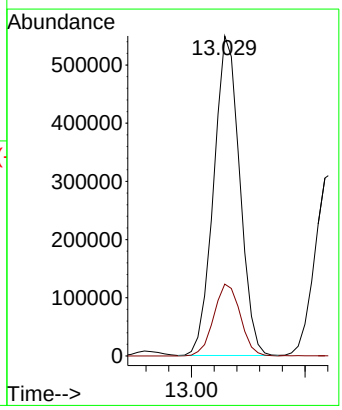


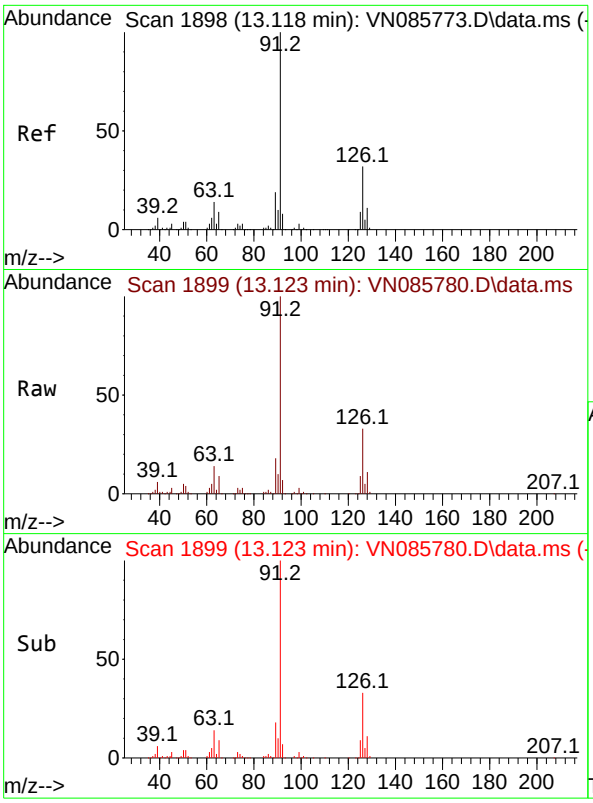


#78
n-propylbenzene
Concen: 49.927 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 91 Resp: 872362

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.8



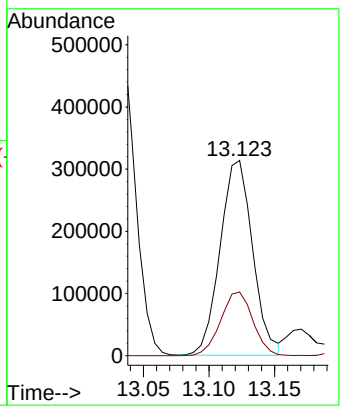


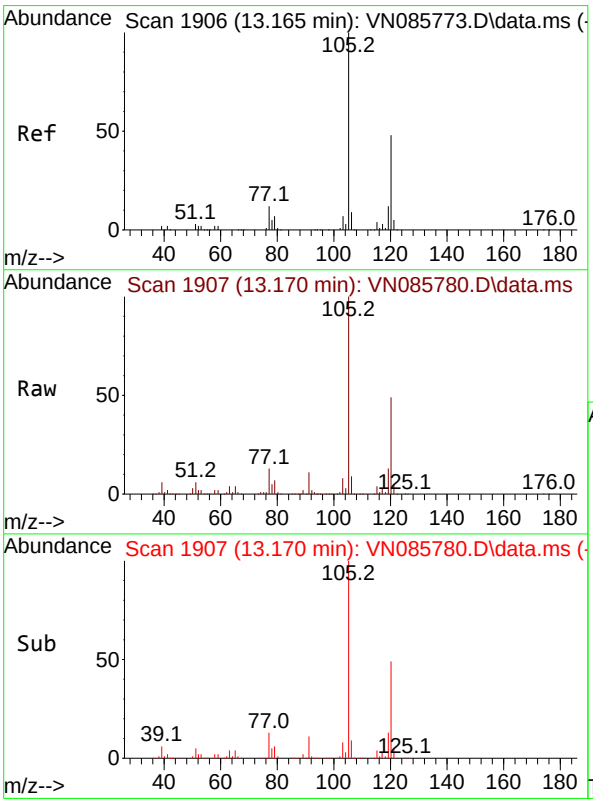
#79
2-Chlorotoluene
Concen: 46.350 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 91 Resp: 541105

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1

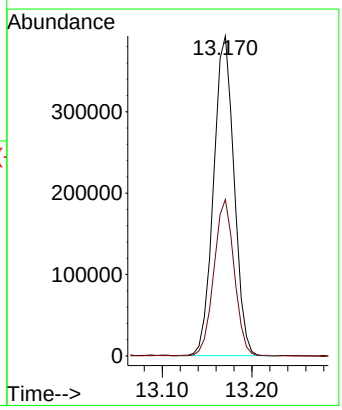


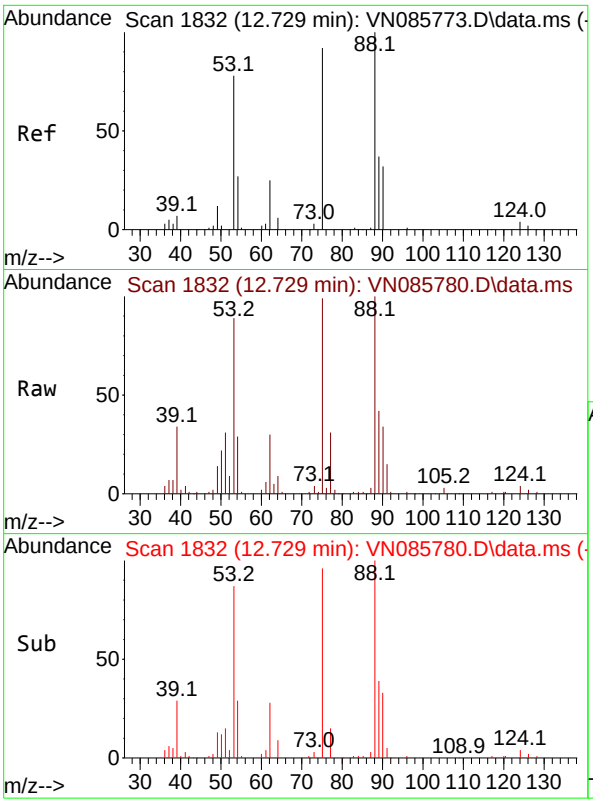


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:105 Resp: 622090

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9



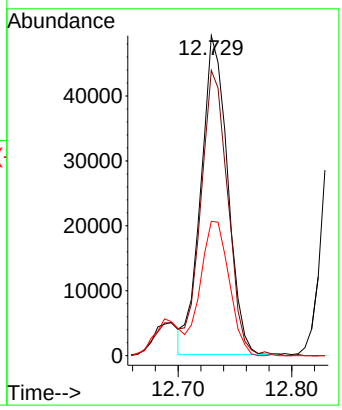


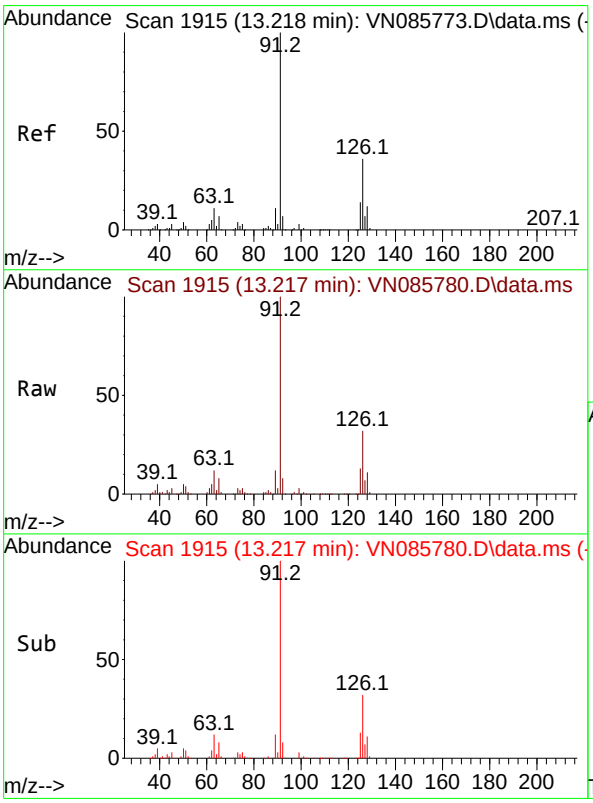
#81
trans-1,4-Dichloro-2-butene
Concen: 47.152 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 75 Resp: 79943

Ion	Ratio	Lower	Upper
75	100		
53	100.7	74.2	111.4
89	45.0	34.9	52.3

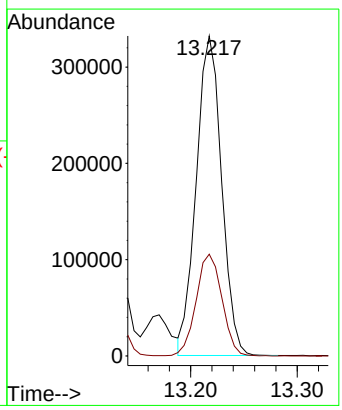


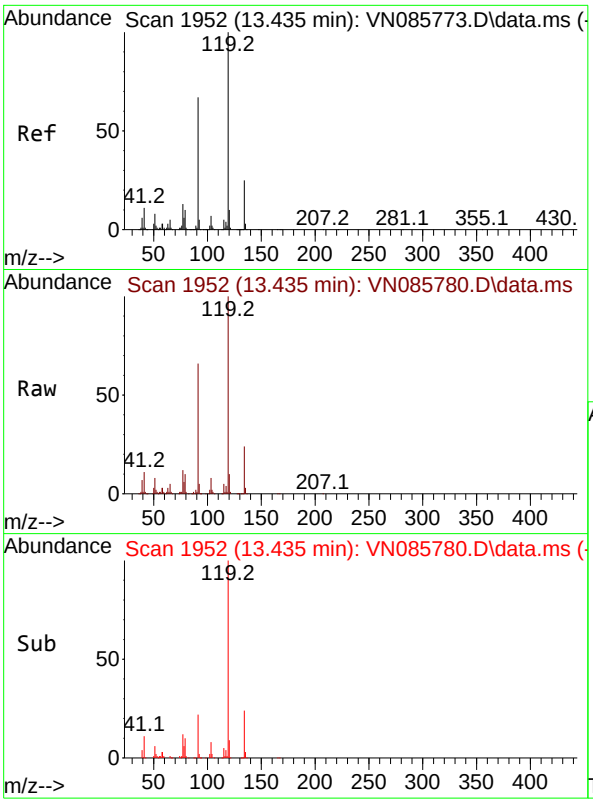


#82
4-Chlorotoluene
Concen: 47.401 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 91 Resp: 548585

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4



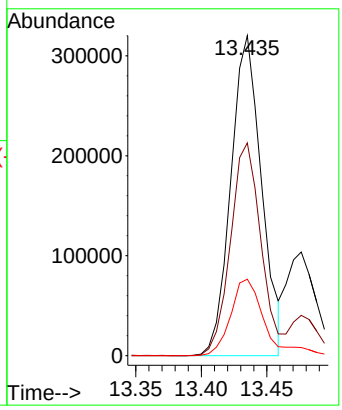


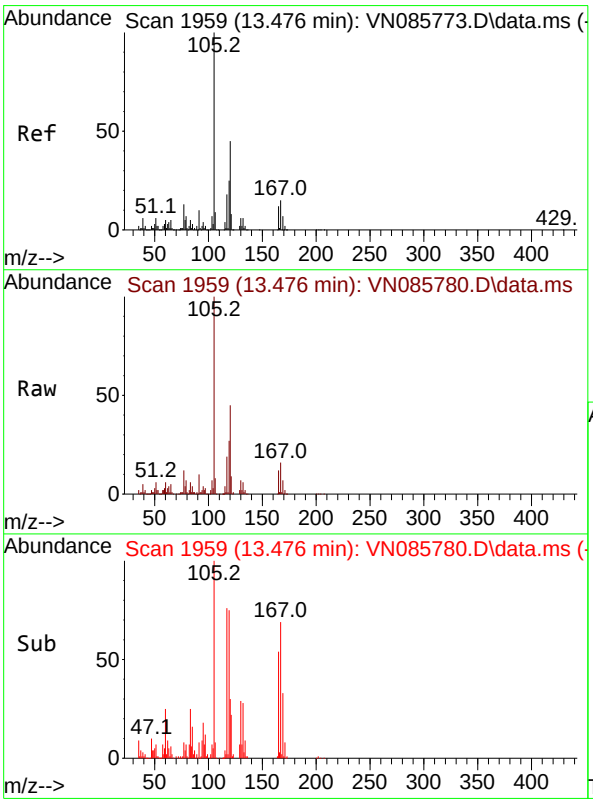
#83
tert-Butylbenzene
Concen: 49.904 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:119 Resp: 521552

Ion	Ratio	Lower	Upper
119	100		
91	66.9	32.5	97.5
134	26.4	13.3	39.9

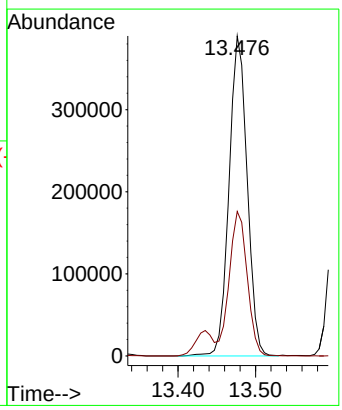


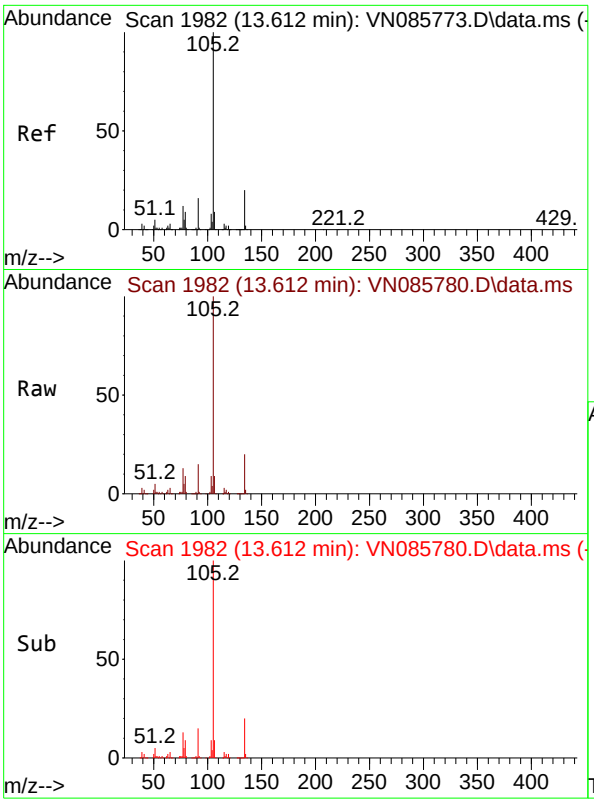


#84
1,2,4-Trimethylbenzene
Concen: 51.531 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:105 Resp: 633621

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3



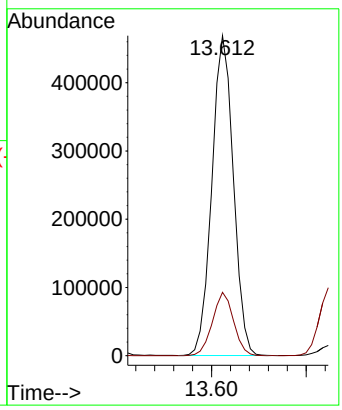


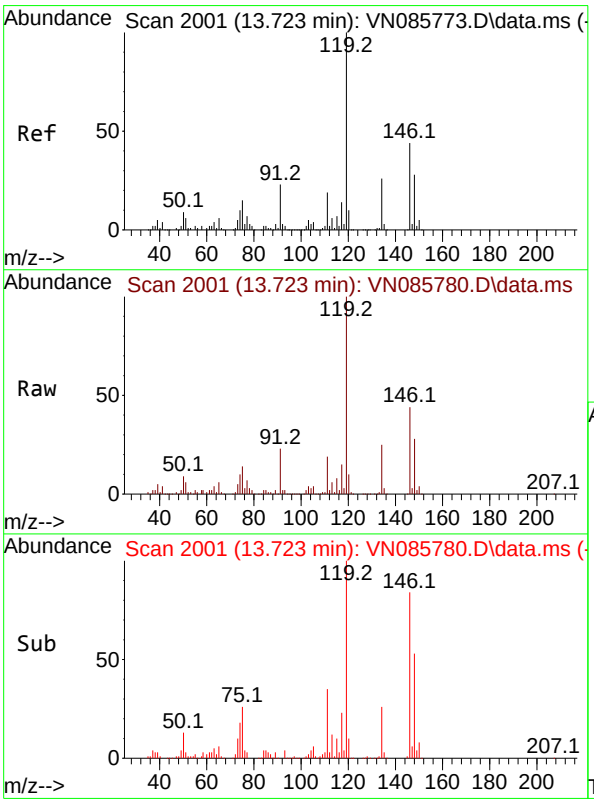
#85
sec-Butylbenzene
Concen: 49.925 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:105 Resp: 737200

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

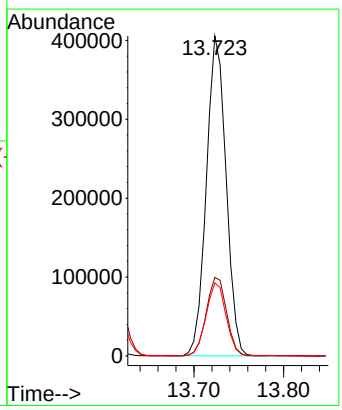


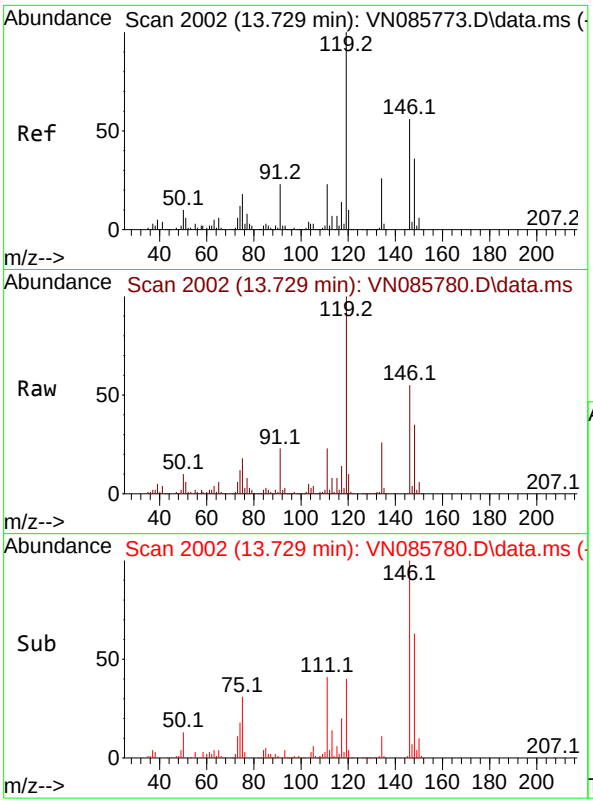


#86
p-Isopropyltoluene
Concen: 46.012 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:119 Resp: 617918

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	23.1	11.7	35.1



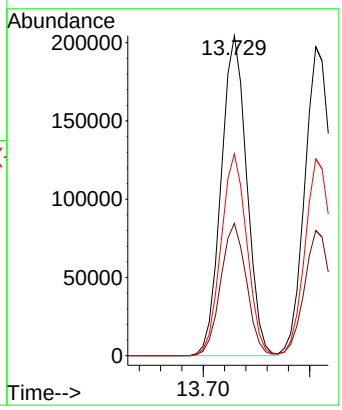


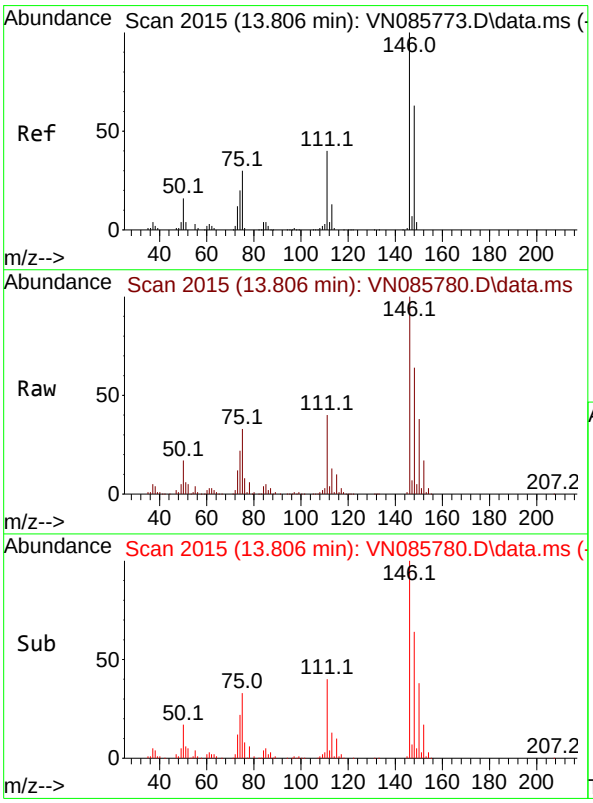
#87
1,3-Dichlorobenzene
Concen: 44.186 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:146 Resp: 341228

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	63.7	32.1	96.5

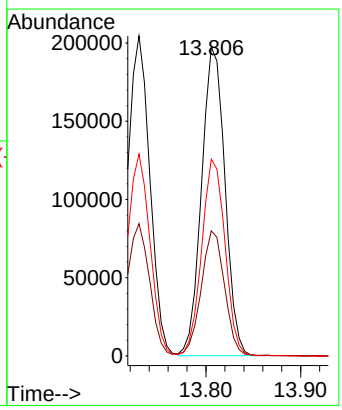


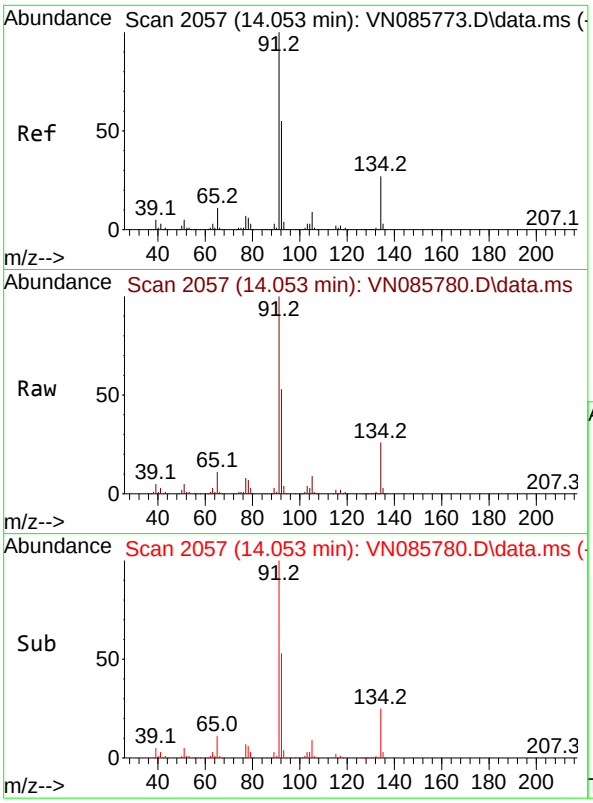


#88
1,4-Dichlorobenzene
Concen: 42.781 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:146 Resp: 338619

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.6	31.8	95.4



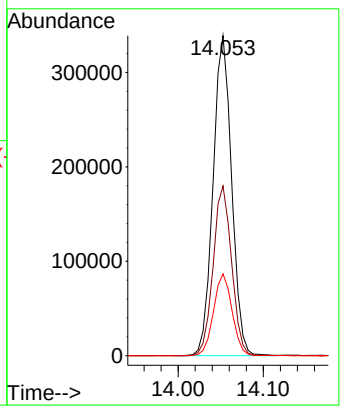


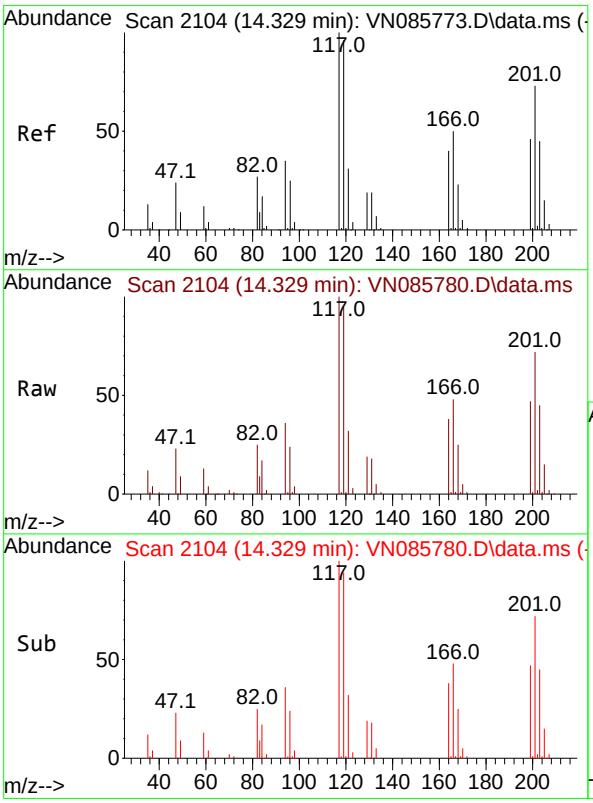
#89
n-Butylbenzene
Concen: 49.015 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion: 91 Resp: 513863

Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.1	81.3
134	25.5	12.7	38.1

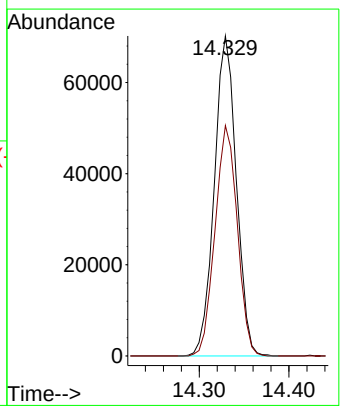


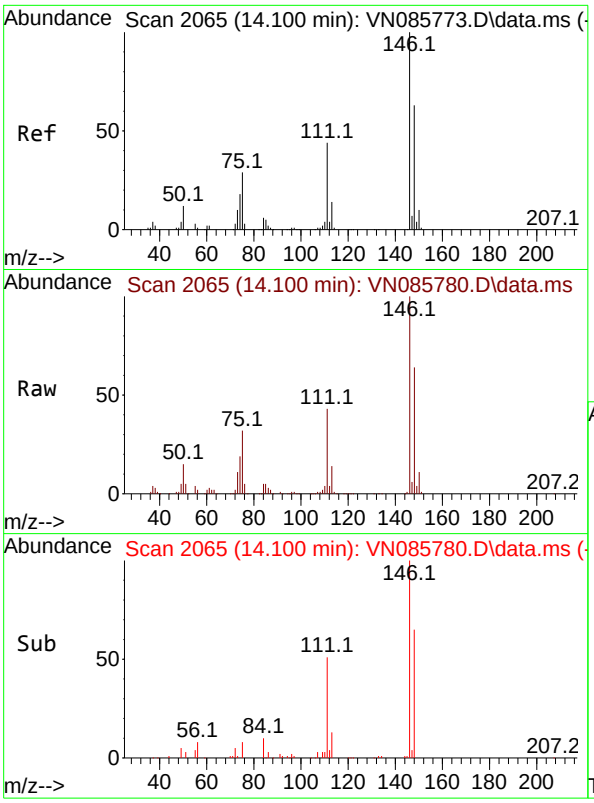


#90
Hexachloroethane
Concen: 42.828 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:117 Resp: 119768

Ion	Ratio	Lower	Upper
117	100		
201	72.7	35.6	106.9



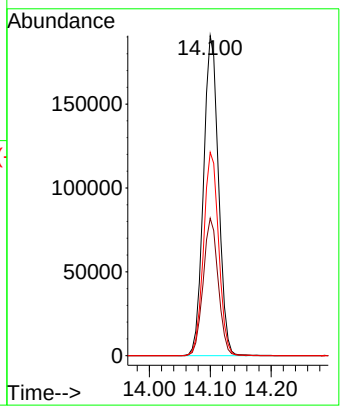


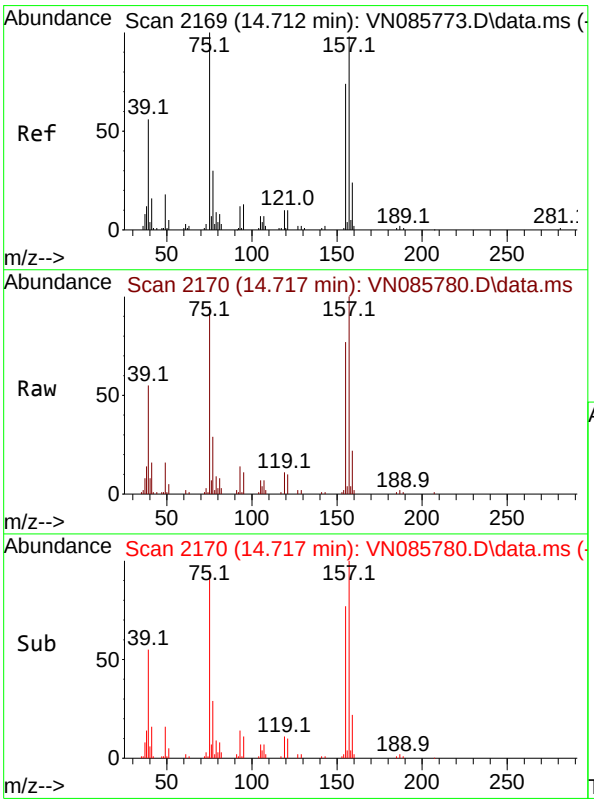
#91
1,2-Dichlorobenzene
Concen: 43.883 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:146 Resp: 325885

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.0	32.0	96.2

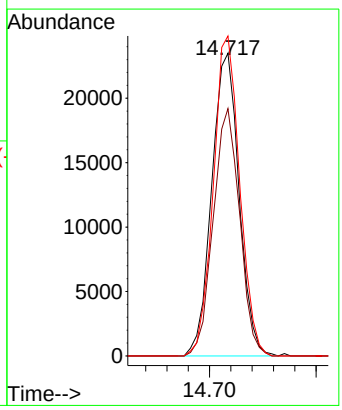


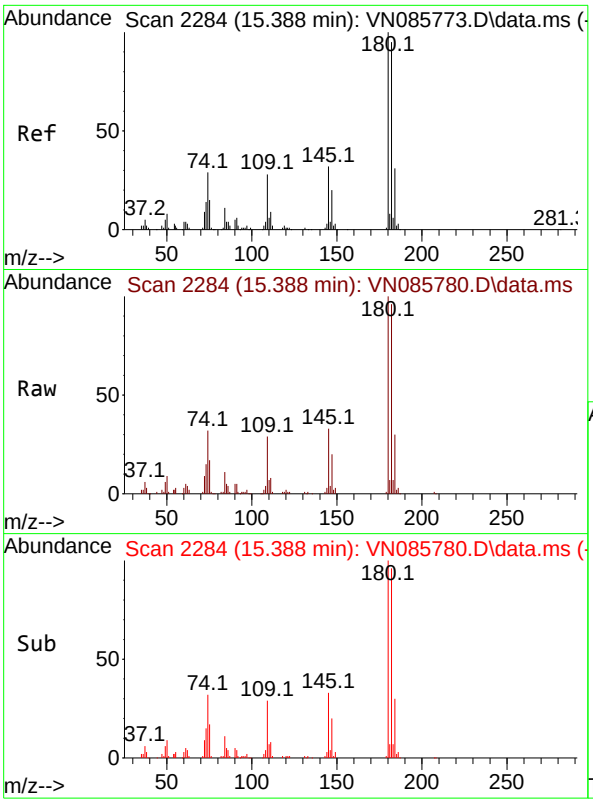


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.396 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion: 75 Resp: 41836

Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.9	119.6
157	102.1	49.9	149.7



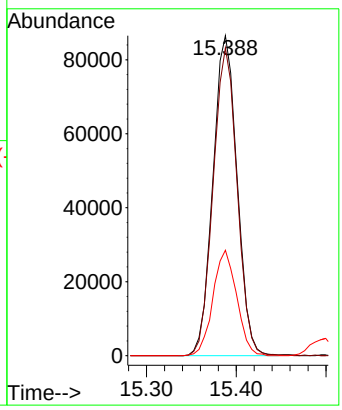


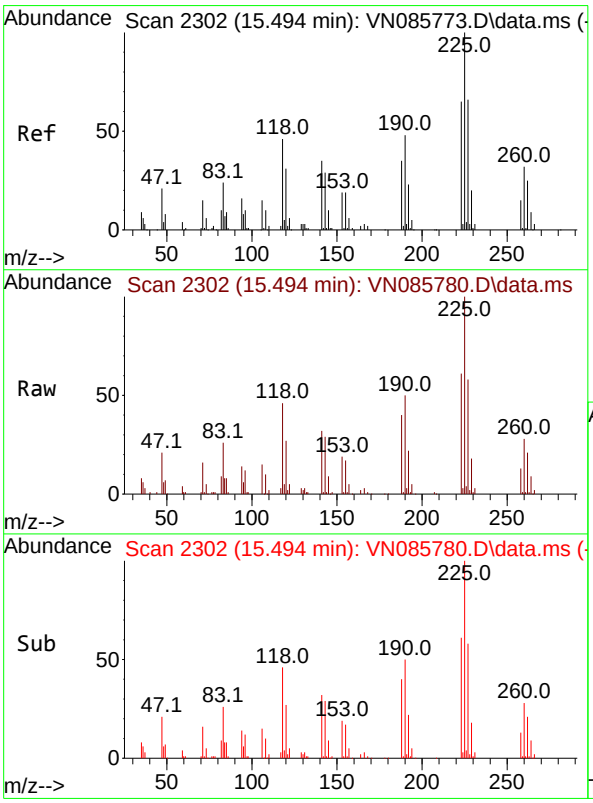
#93
1,2,4-Trichlorobenzene
Concen: 45.640 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:180 Resp: 161503

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	32.4	16.2	48.5

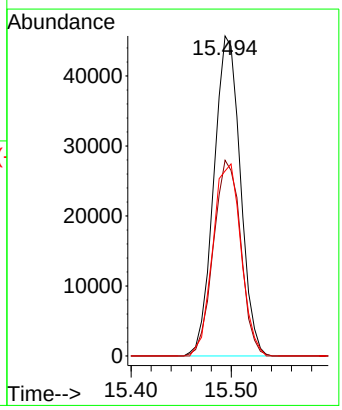


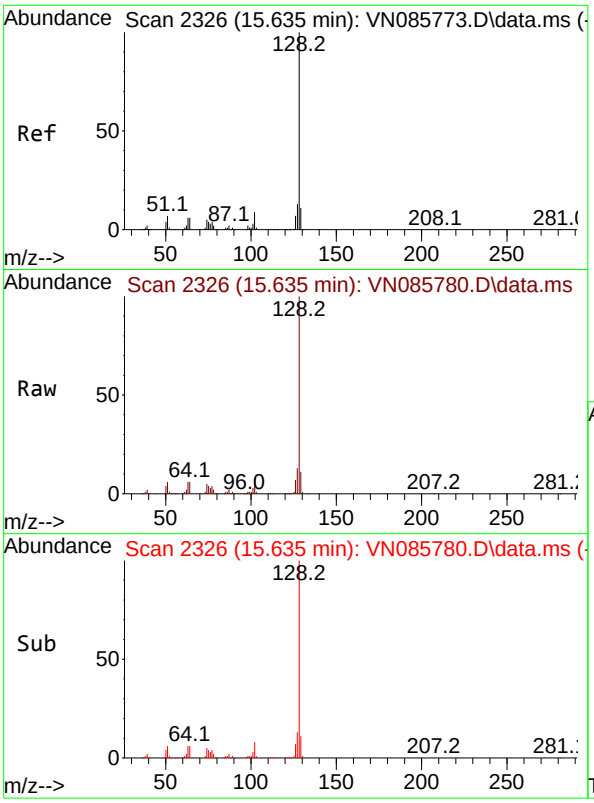


#94
Hexachlorobutadiene
Concen: 39.087 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:225 Resp: 84060

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	63.8	32.2	96.6



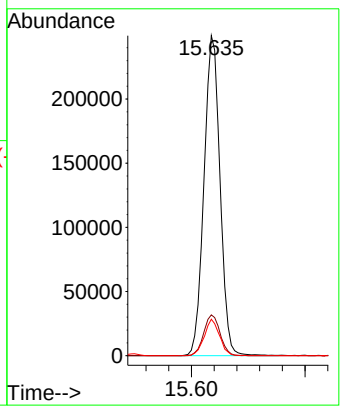


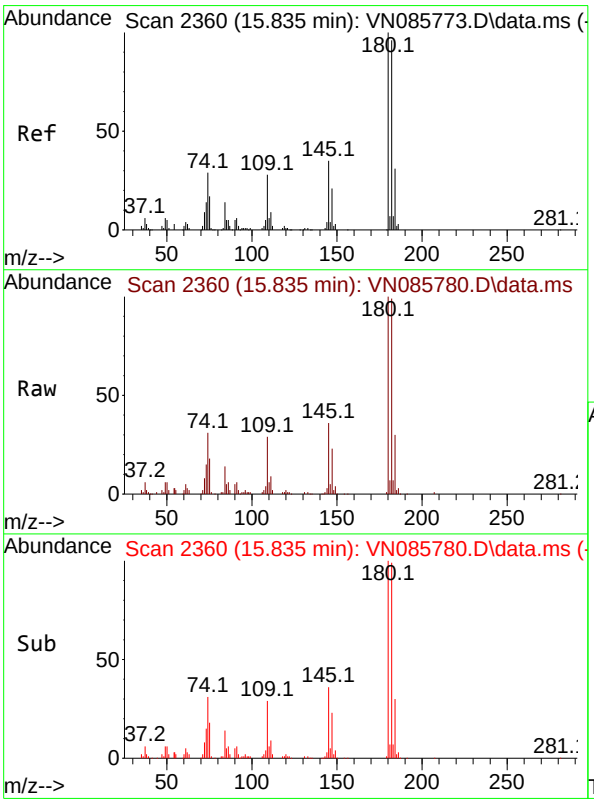
#95
Naphthalene
Concen: 50.167 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Tgt Ion:128 Resp: 487372

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.7	13.1

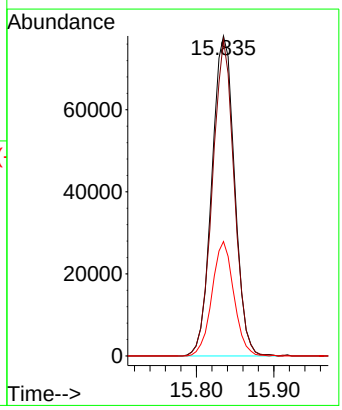




#96
1,2,3-Trichlorobenzene
Concen: 44.593 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085780.D
Acq: 18 Feb 2025 16:28

Tgt Ion:180 Resp: 158416

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	34.6	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	338951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	542050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	475442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	234508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	218995	49.835	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.680%			
35) Dibromofluoromethane	8.159	113	187631	52.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	10.559	98	705762	54.690	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.380%			
62) 4-Bromofluorobenzene	12.841	95	241495	56.798	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	233633	50.675	ug/l	99
3) Chloromethane	2.360	50	219128	47.365	ug/l	98
4) Vinyl Chloride	2.518	62	236409	48.263	ug/l	100
5) Bromomethane	2.959	94	151185	48.269	ug/l	91
6) Chloroethane	3.124	64	148043	45.628	ug/l	99
7) Trichlorofluoromethane	3.501	101	347969	49.065	ug/l	99
8) Diethyl Ether	3.959	74	115104	50.161	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	207085	50.515	ug/l	99
10) Methyl Iodide	4.589	142	255381	50.538	ug/l	99
11) Tert butyl alcohol	5.500	59	121703	225.177	ug/l	100
12) 1,1-Dichloroethene	4.342	96	189384	50.950	ug/l	98
13) Acrolein	4.171	56	164497	205.238	ug/l	97
14) Allyl chloride	5.018	41	247476	50.710	ug/l	98
15) Acrylonitrile	5.706	53	418409	238.131	ug/l	99
16) Acetone	4.412	43	382246	274.906	ug/l	99
17) Carbon Disulfide	4.712	76	523425	47.514	ug/l	99
18) Methyl Acetate	5.012	43	214186	44.785	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	590636	53.473	ug/l	95
20) Methylene Chloride	5.271	84	212867	47.605	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	201430	50.327	ug/l	95
22) Diisopropyl ether	6.665	45	590936	53.588	ug/l	98
23) Vinyl Acetate	6.595	43	1973940	261.433	ug/l	99
24) 1,1-Dichloroethane	6.559	63	370904	49.478	ug/l	99
25) 2-Butanone	7.471	43	522422	255.385	ug/l	97
26) 2,2-Dichloropropane	7.483	77	336386	50.464	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	238225	51.333	ug/l	100
28) Bromochloromethane	7.806	49	179247	58.177	ug/l	98
29) Tetrahydrofuran	7.830	42	329843	249.701	ug/l	100
30) Chloroform	7.959	83	384871	49.129	ug/l	99
31) Cyclohexane	8.253	56	302945	48.266	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	347439	49.863	ug/l	99
36) 1,1-Dichloropropene	8.365	75	270378	53.862	ug/l	99
37) Ethyl Acetate	7.553	43	204009	49.384	ug/l	100
38) Carbon Tetrachloride	8.353	117	308070	51.650	ug/l	98
39) Methylcyclohexane	9.594	83	293698	59.556	ug/l	99
40) Benzene	8.600	78	843620	52.435	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	115379	52.247	ug/l		96
42) 1,2-Dichloroethane	8.665	62	269061	51.342	ug/l		100
43) Isopropyl Acetate	8.683	43	358728	49.475	ug/l		98
44) Trichloroethene	9.347	130	204423	51.748	ug/l		100
45) 1,2-Dichloropropane	9.612	63	205345	52.875	ug/l		98
46) Dibromomethane	9.700	93	139963	51.094	ug/l		100
47) Bromodichloromethane	9.883	83	303915	51.856	ug/l		98
48) Methyl methacrylate	9.671	41	168275	54.849	ug/l		100
49) 1,4-Dioxane	9.688	88	62004	1062.788	ug/l		96
51) 4-Methyl-2-Pentanone	10.435	43	1038482	260.736	ug/l		100
52) Toluene	10.624	92	528579	56.046	ug/l		100
53) t-1,3-Dichloropropene	10.830	75	301562	55.646	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	331906	55.852	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	192948	51.456	ug/l		98
56) Ethyl methacrylate	10.865	69	283390	52.271	ug/l		96
57) 1,3-Dichloropropane	11.159	76	326423	52.148	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	578323	268.736	ug/l		99
59) 2-Hexanone	11.188	43	762537	278.298	ug/l		99
60) Dibromochloromethane	11.353	129	235675	53.975	ug/l		99
61) 1,2-Dibromoethane	11.465	107	186097	52.526	ug/l		99
64) Tetrachloroethene	11.100	164	197369	53.585	ug/l		95
65) Chlorobenzene	11.888	112	566074	51.973	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.953	131	203016	51.858	ug/l		99
67) Ethyl Benzene	11.959	91	979695	57.422	ug/l		99
68) m/p-Xylenes	12.065	106	771390	119.029	ug/l		99
69) o-Xylene	12.394	106	360455	58.531	ug/l		100
70) Styrene	12.406	104	611865	53.048	ug/l		98
71) Bromoform	12.571	173	153417	52.740	ug/l	#	98
73) Isopropylbenzene	12.688	105	919415	57.227	ug/l		100
74) N-amyl acetate	12.488	43	297533	52.516	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.929	83	248121	44.880	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	332107	63.754	ug/l		62
77) Bromobenzene	12.976	156	223481	51.487	ug/l		98
78) n-propylbenzene	13.029	91	1081269	58.766	ug/l		100
79) 2-Chlorotoluene	13.118	91	664931	54.088	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	780468	59.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	93397	52.313	ug/l		95
82) 4-Chlorotoluene	13.218	91	675694	55.443	ug/l		100
83) tert-Butylbenzene	13.435	119	658173	59.805	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	778821	60.149	ug/l		100
85) sec-Butylbenzene	13.612	105	922480	59.326	ug/l		100
86) p-Isopropyltoluene	13.723	119	777520	54.162	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	419991	51.645	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	416682	49.992	ug/l		99
89) n-Butylbenzene	14.053	91	658902	59.684	ug/l		99
90) Hexachloroethane	14.329	117	145854	49.529	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	399598	51.099	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	43877	43.220	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	196605	52.761	ug/l		99
94) Hexachlorobutadiene	15.494	225	105741	46.692	ug/l		99
95) Naphthalene	15.635	128	532789	52.080	ug/l		99
96) 1,2,3-Trichlorobenzene	15.829	180	187463	50.111	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

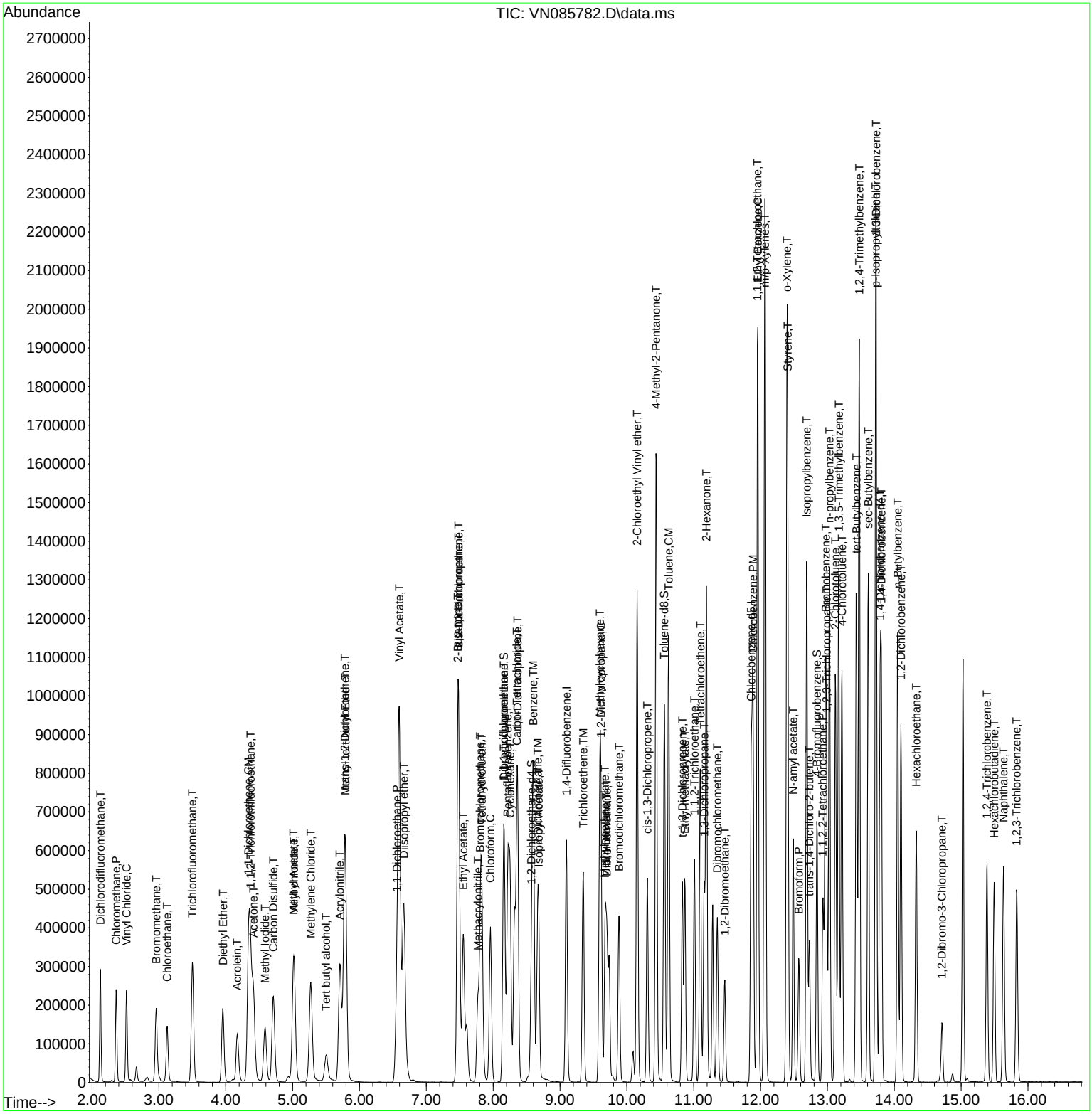
(#) = qualifier out of range (m) = manual integration (+) = signals summed

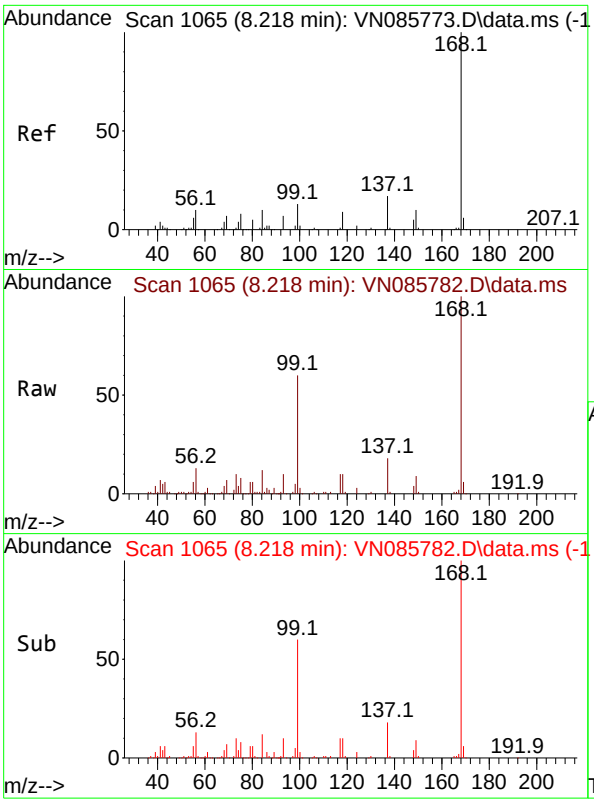
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085782.D
Acq On : 19 Feb 2025 10:51
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



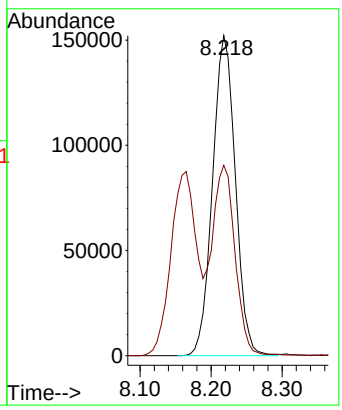


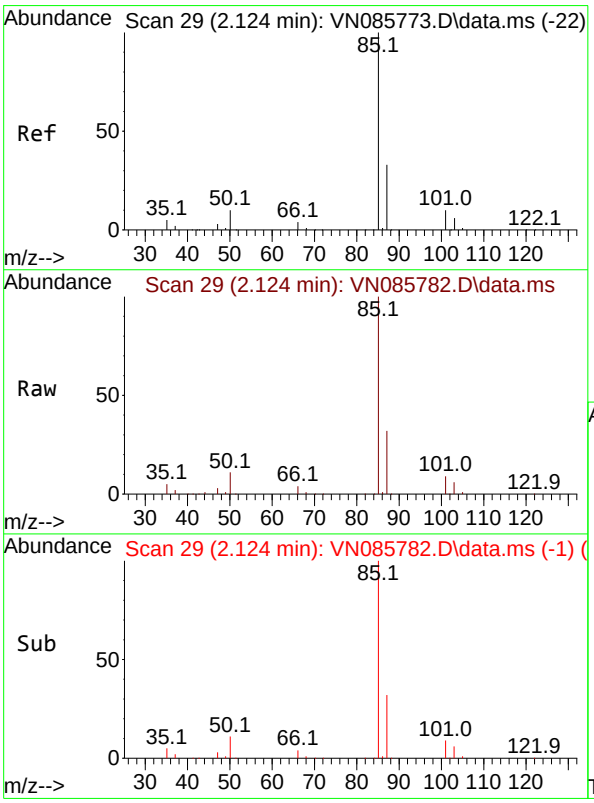
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 338951

Ion	Ratio	Lower	Upper
168	100		
99	59.1	47.9	71.9

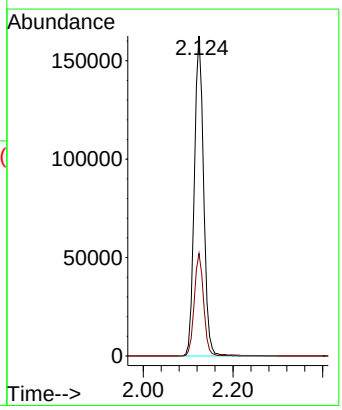


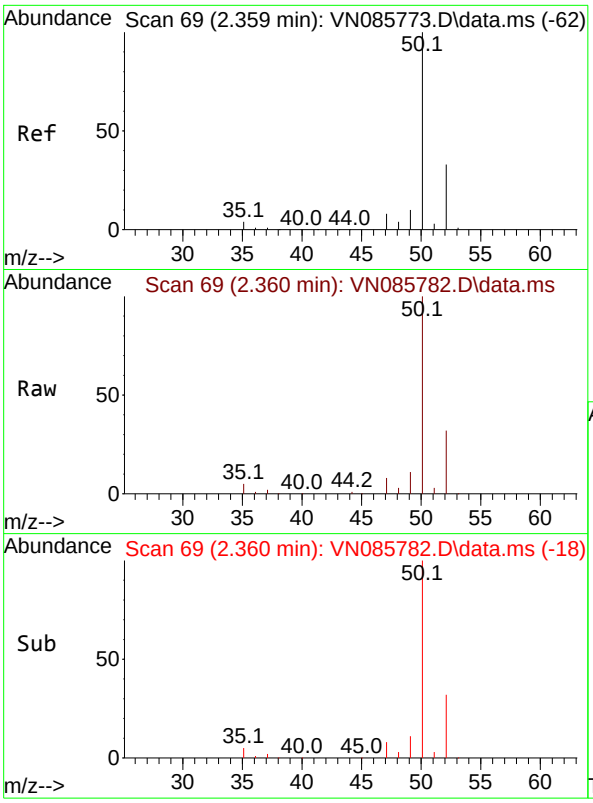


#2
Dichlorodifluoromethane
Concen: 50.675 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 85 Resp: 233633

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.4	49.2



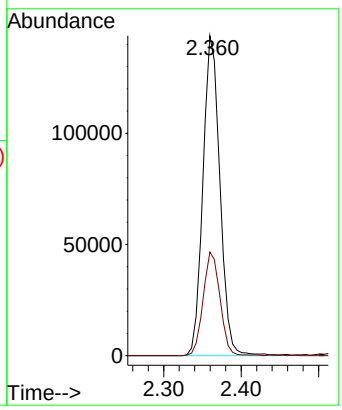


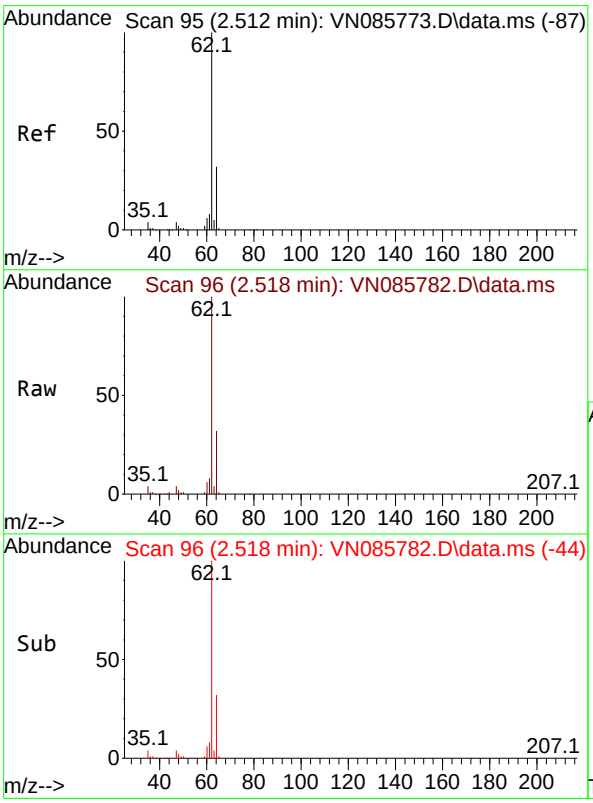
#3
Chloromethane
Concen: 47.365 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 219128

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.7	40.1

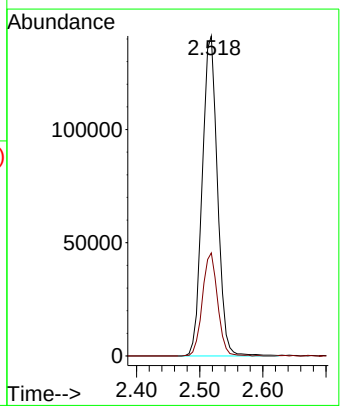


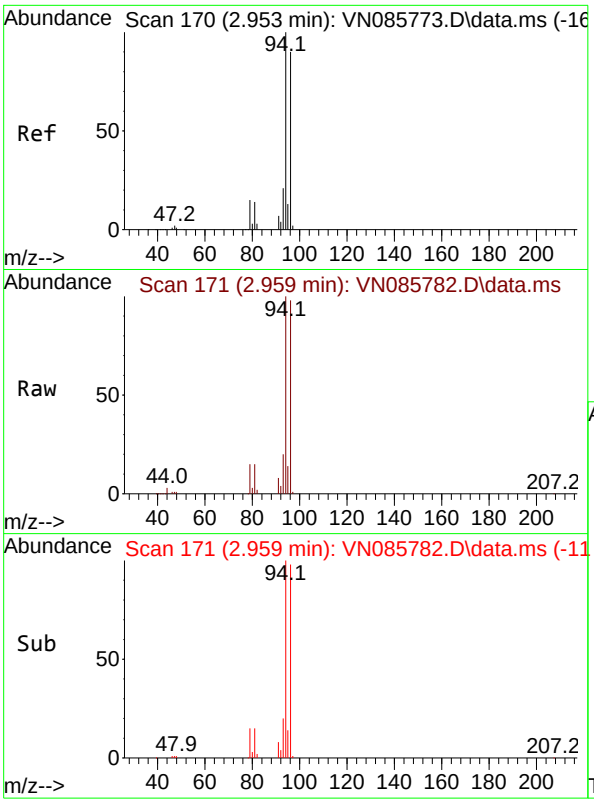


#4
Vinyl Chloride
Concen: 48.263 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 62 Resp: 236409

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.9	38.9



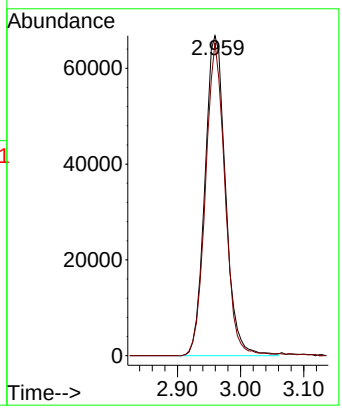


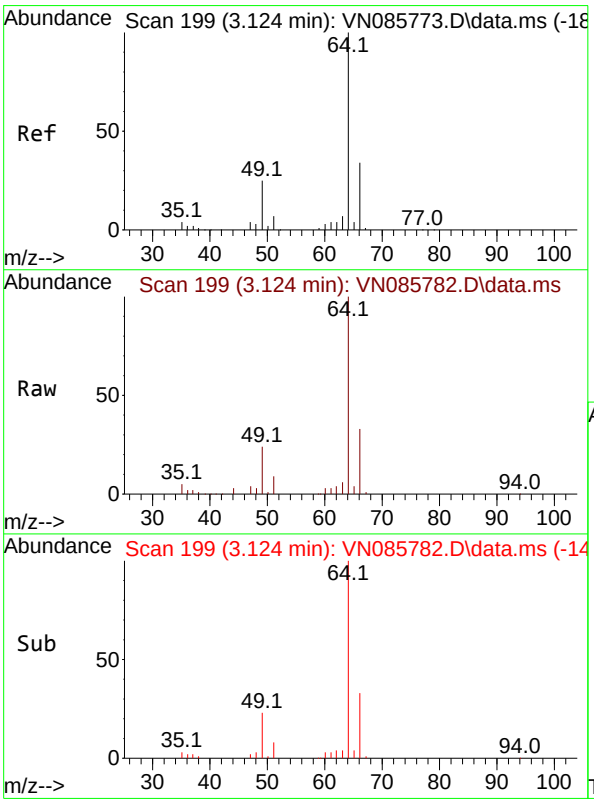
#5
Bromomethane
Concen: 48.269 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 151185

Ion	Ratio	Lower	Upper
94	100		
96	97.8	71.7	107.5

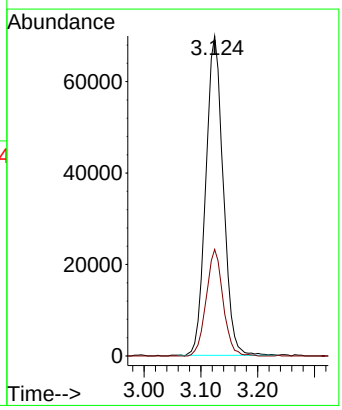


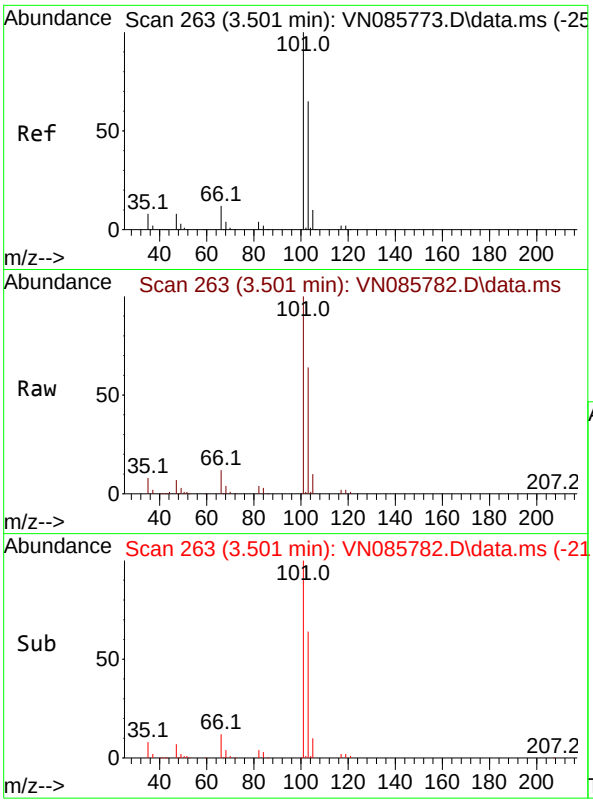


#6
Chloroethane
Concen: 45.628 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 64 Resp: 148043

Ion	Ratio	Lower	Upper
64	100		
66	33.4	27.0	40.6



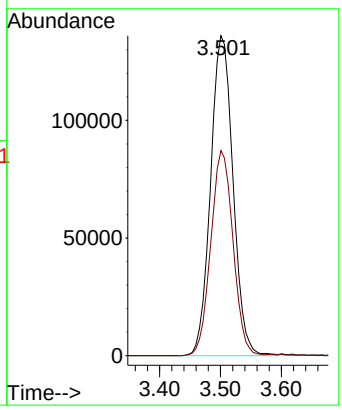


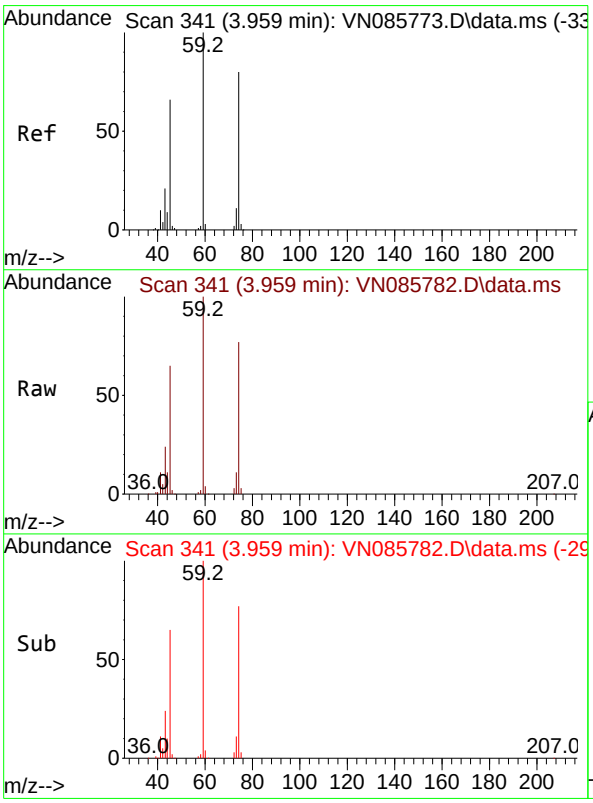
#7
Trichlorofluoromethane
Concen: 49.065 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 347969

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.4

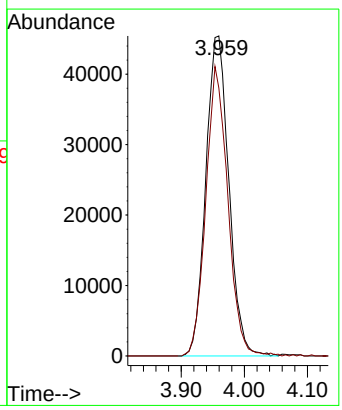


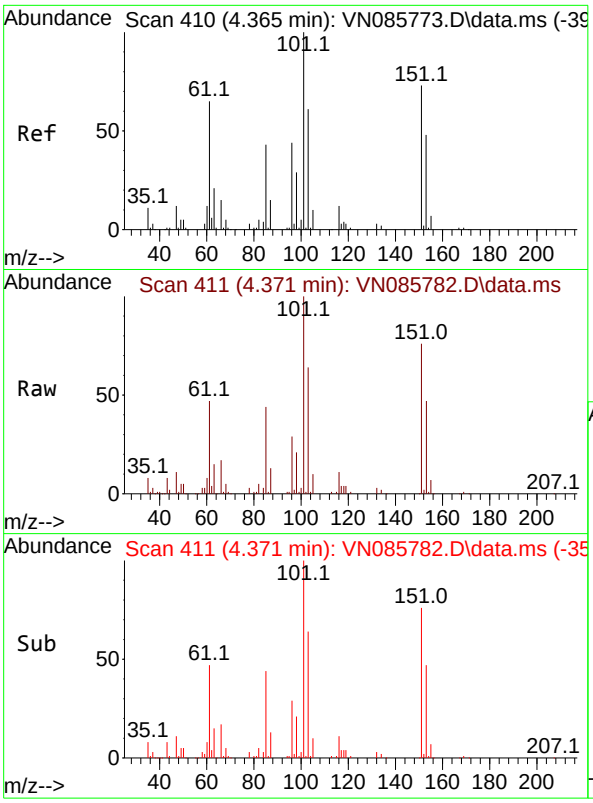


#8
Diethyl Ether
Concen: 50.161 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 74 Resp: 115104

Ion	Ratio	Lower	Upper
74	100		
45	86.4	42.5	127.6



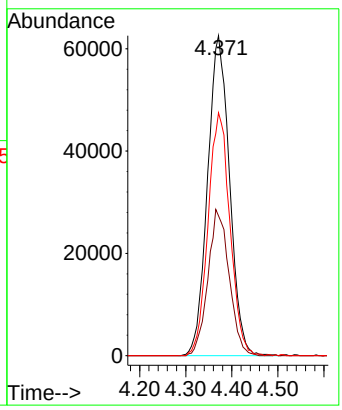


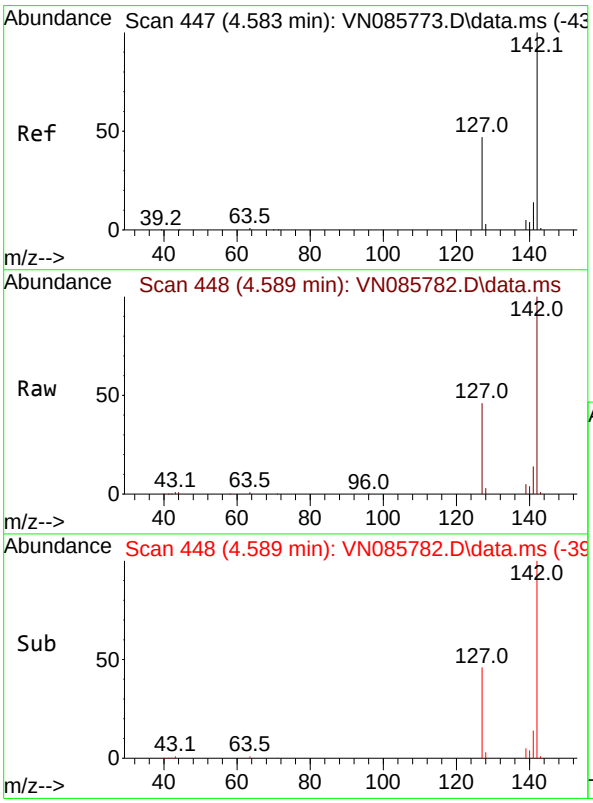
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.515 ug/l
RT: 4.371 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 207085

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.7	53.5
151	75.7	61.4	92.2

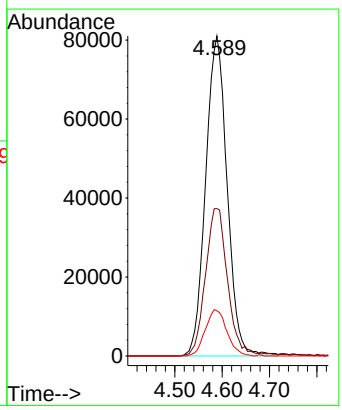


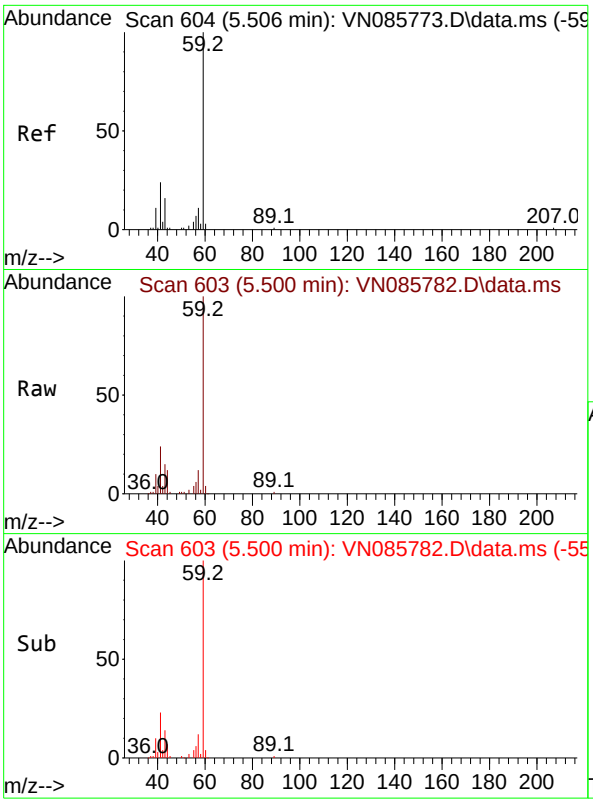


#10
Methyl Iodide
Concen: 50.538 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:142 Resp: 255381

Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.6	56.4
141	14.1	11.4	17.2



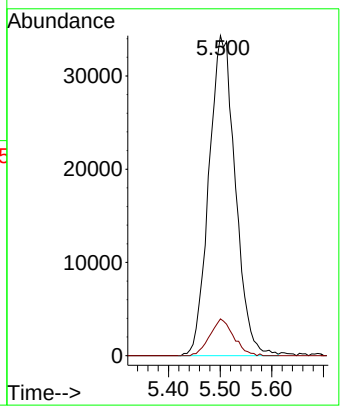


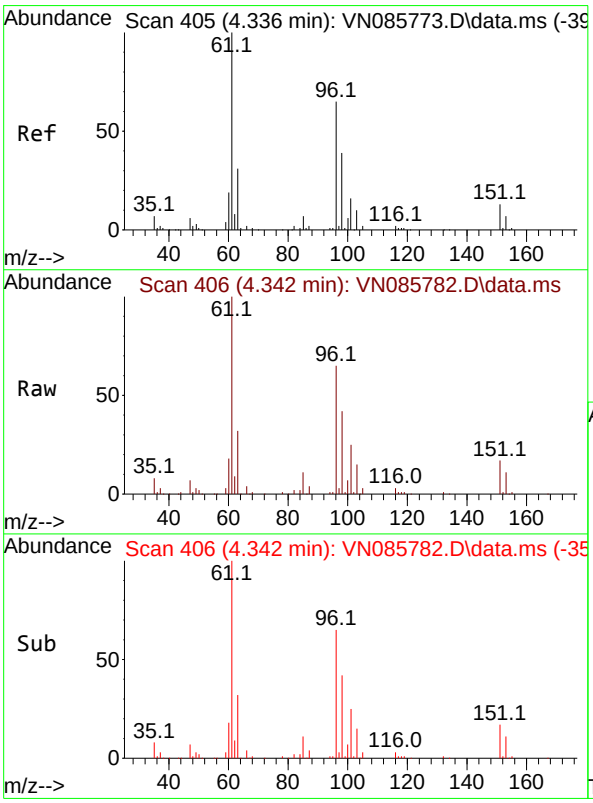
#11
Tert butyl alcohol
Concen: 225.177 ug/l
RT: 5.500 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 121703

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

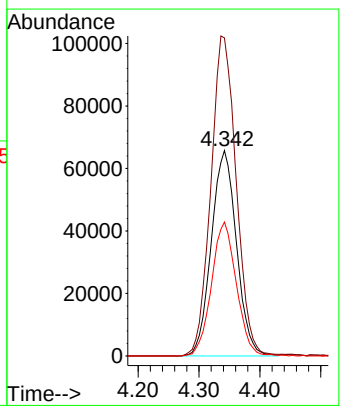


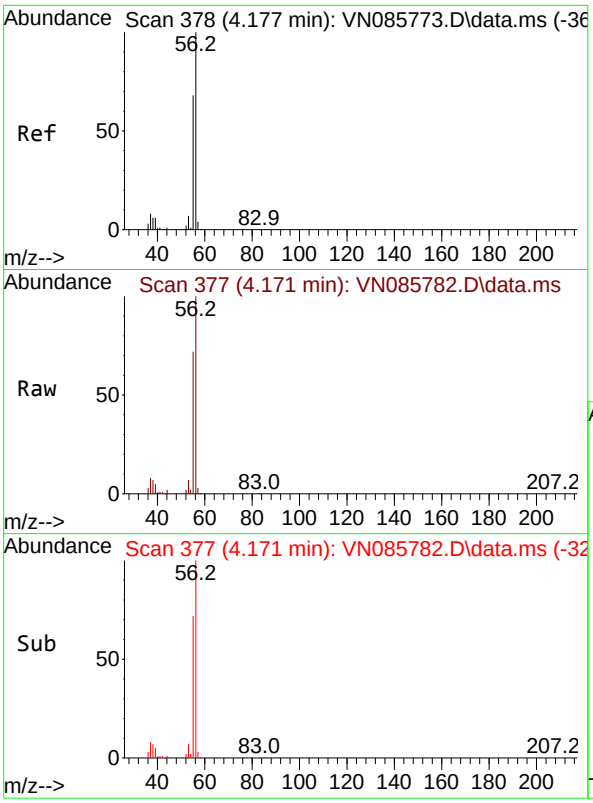


#12
1,1-Dichloroethene
Concen: 50.950 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 96 Resp: 189384

Ion	Ratio	Lower	Upper
96	100		
61	154.8	123.3	184.9
98	65.1	48.6	72.8



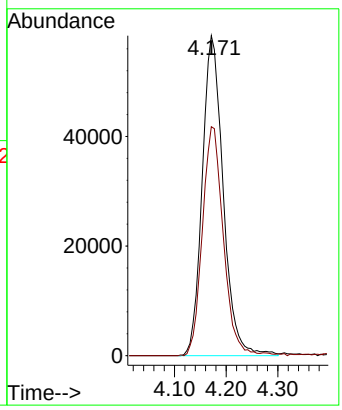


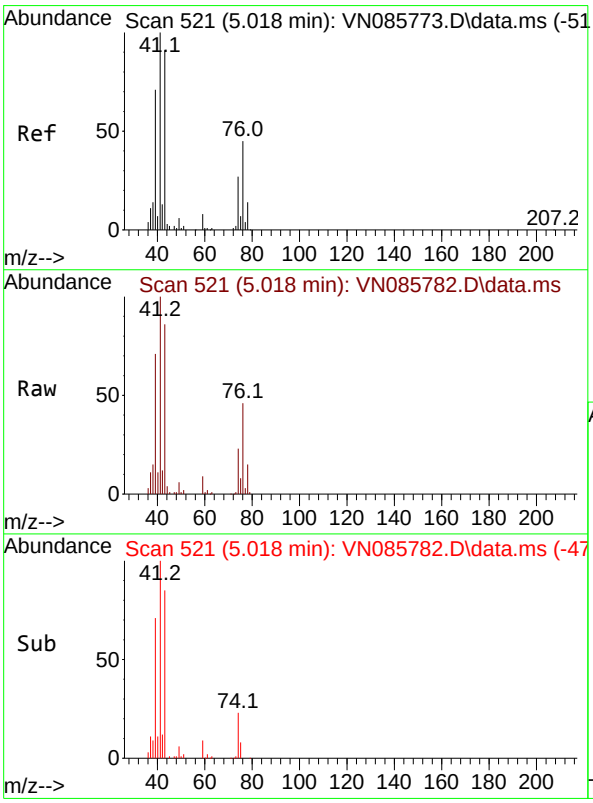
#13
Acrolein
Concen: 205.238 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 164497

Ion	Ratio	Lower	Upper
56	100		
55	71.2	55.3	82.9

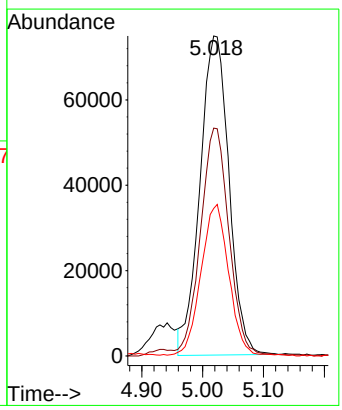


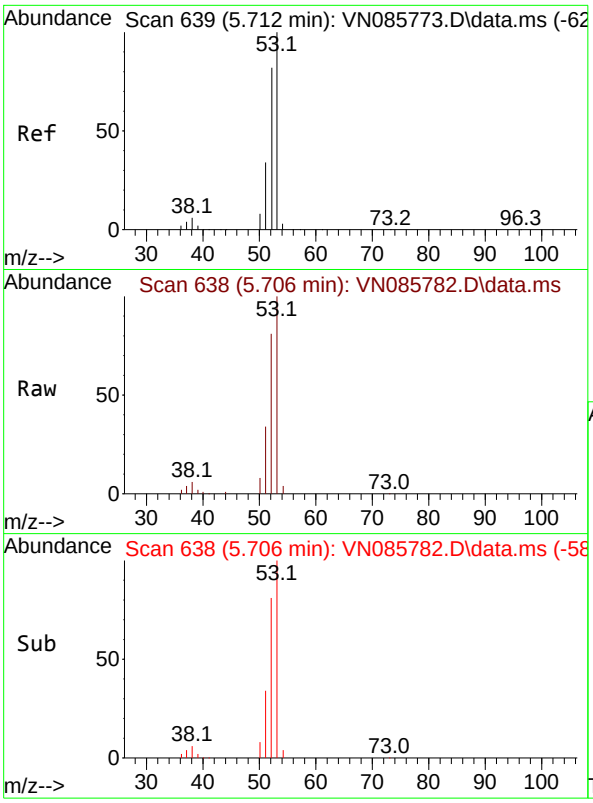


#14
Allyl chloride
Concen: 50.710 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 41 Resp: 247476

Ion	Ratio	Lower	Upper
41	100		
39	69.8	57.4	86.2
76	44.8	36.2	54.2



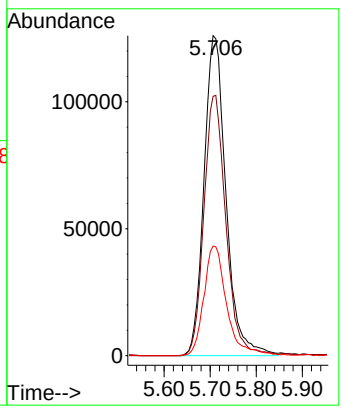


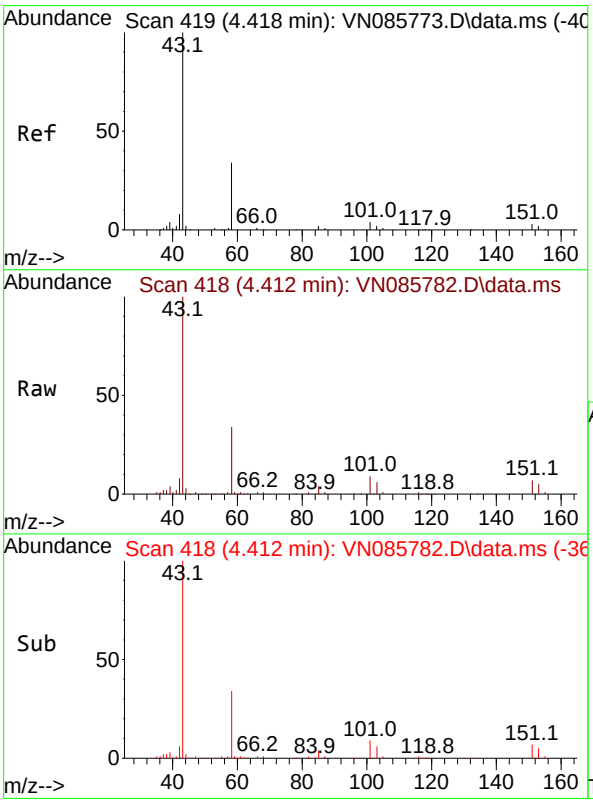
#15
Acrylonitrile
Concen: 238.131 ug/l
RT: 5.706 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 418409

Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.6
51	35.7	28.6	42.8

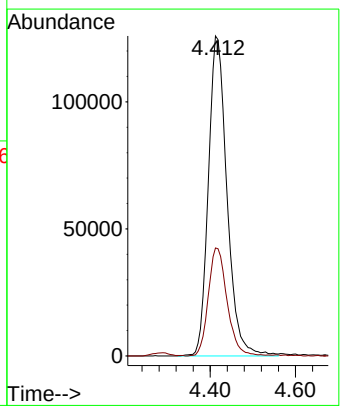


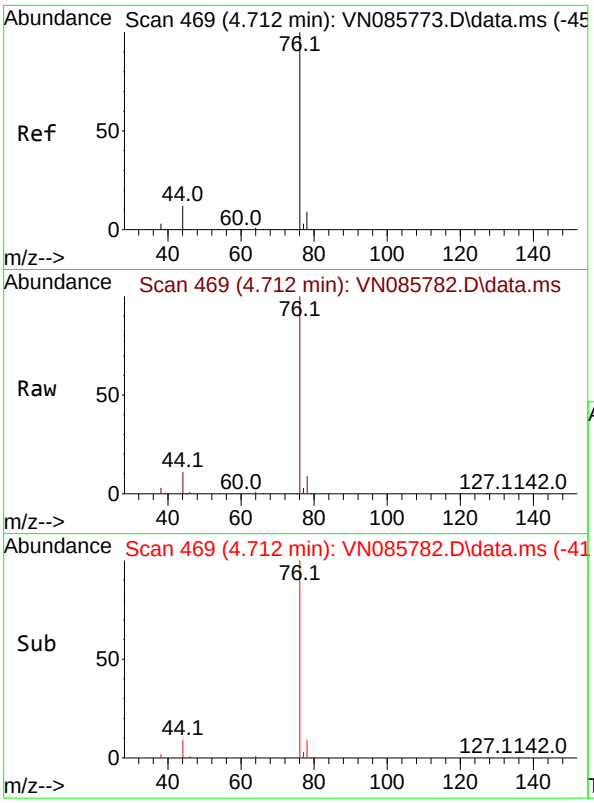


#16
Acetone
Concen: 274.906 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 382246

Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.5	41.3



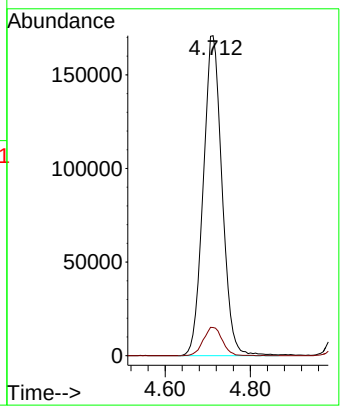


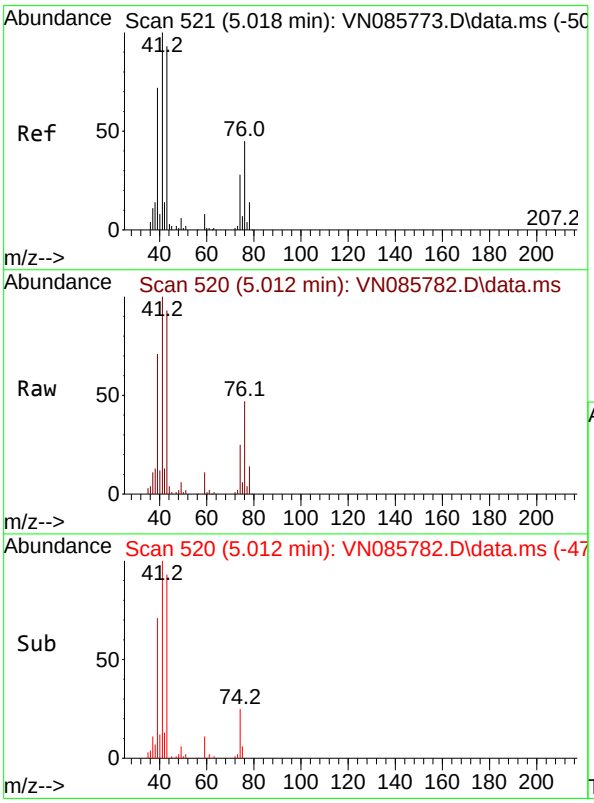
#17
Carbon Disulfide
Concen: 47.514 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 523425

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

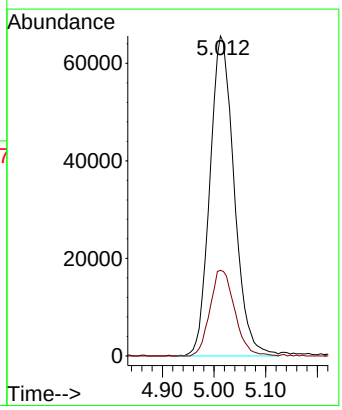


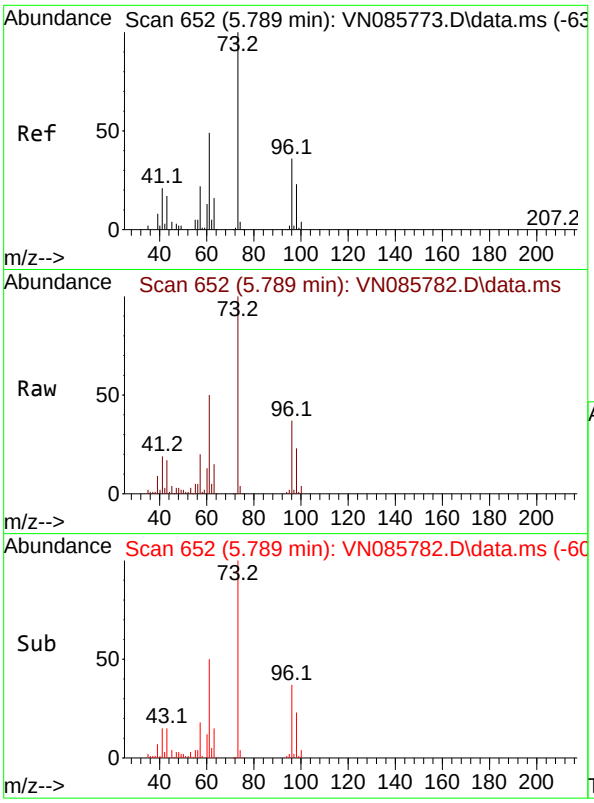


#18
Methyl Acetate
Concen: 44.785 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 214186

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4



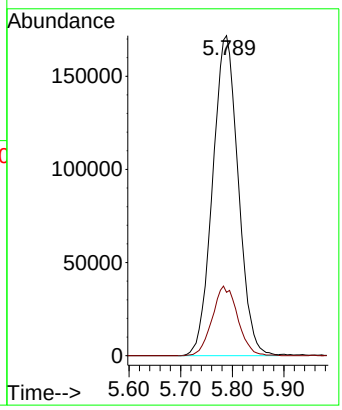


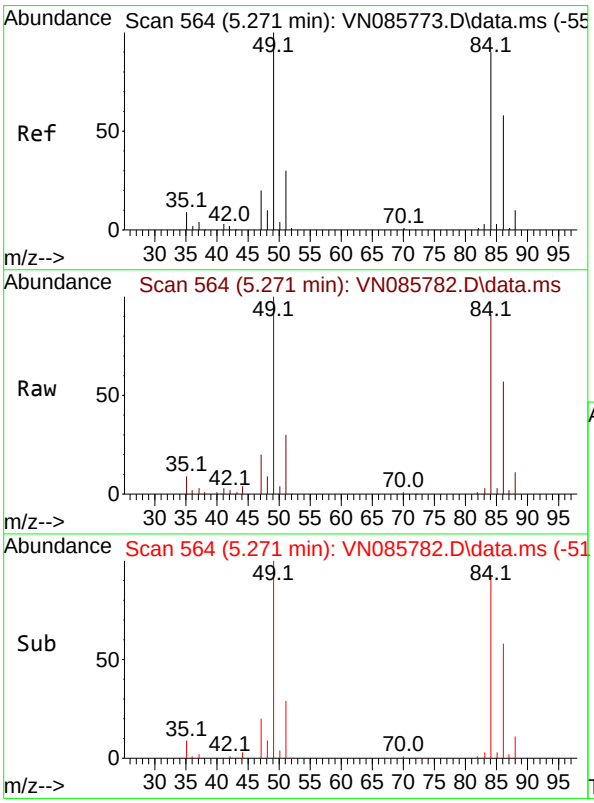
#19
Methyl tert-butyl Ether
Concen: 53.473 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 590636

Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.6	26.4

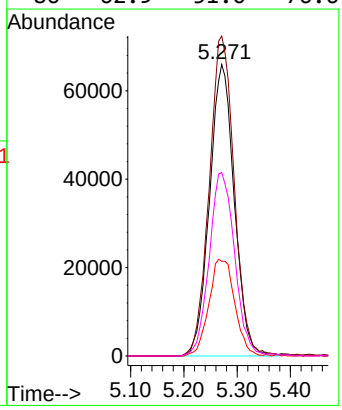


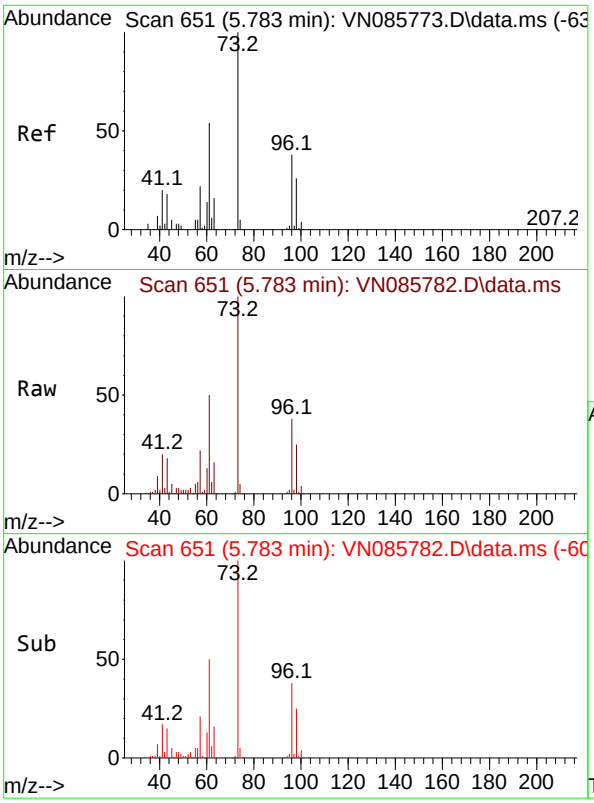


#20
Methylene Chloride
Concen: 47.605 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 84 Resp: 212867

Ion	Ratio	Lower	Upper
84	100		
49	109.7	88.4	132.6
51	32.5	26.6	40.0
86	62.9	51.0	76.6



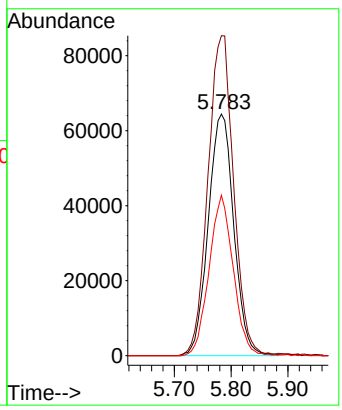


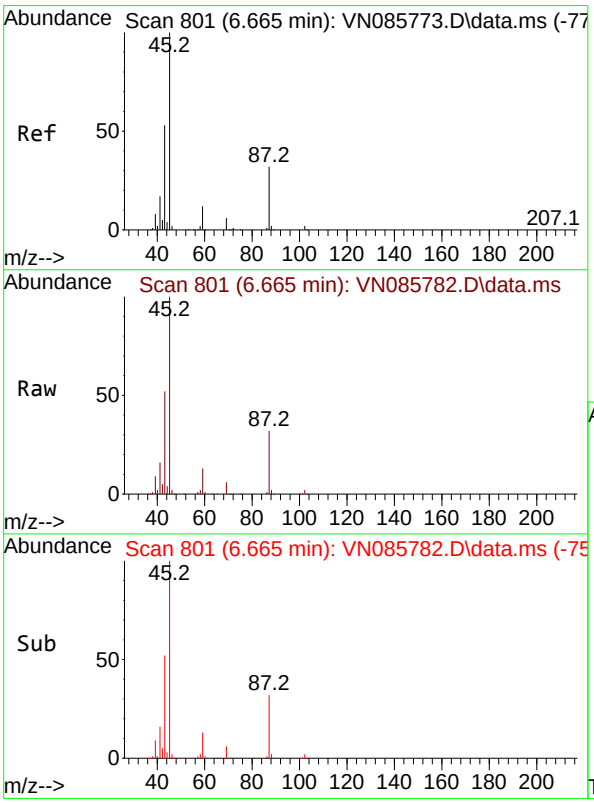
#21
trans-1,2-Dichloroethene
Concen: 50.327 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 201430

Ion	Ratio	Lower	Upper
96	100		
61	132.4	112.6	168.8
98	66.4	53.3	79.9

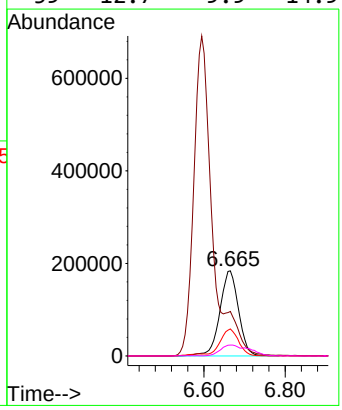


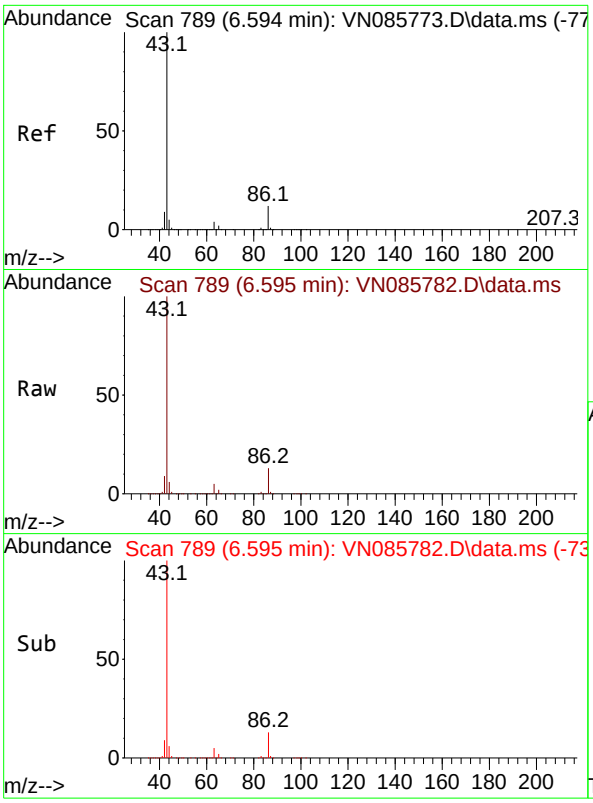


#22
Diisopropyl ether
Concen: 53.588 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 45 Resp: 590936

Ion	Ratio	Lower	Upper
45	100		
43	51.4	42.6	64.0
87	31.7	25.8	38.8
59	12.7	9.9	14.9



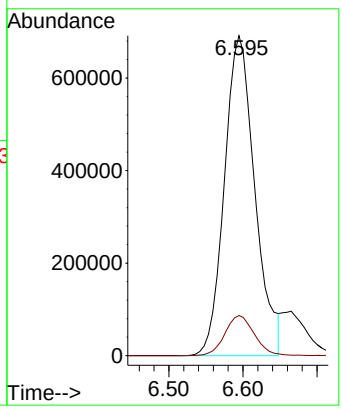


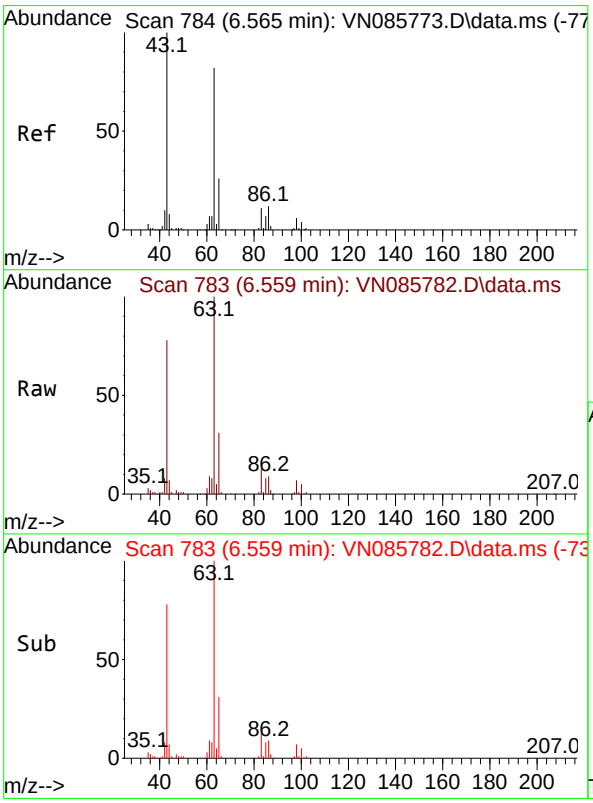
#23
Vinyl Acetate
Concen: 261.433 ug/l
RT: 6.595 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1973940

Ion	Ratio	Lower	Upper
43	100		
86	12.6	9.8	14.8

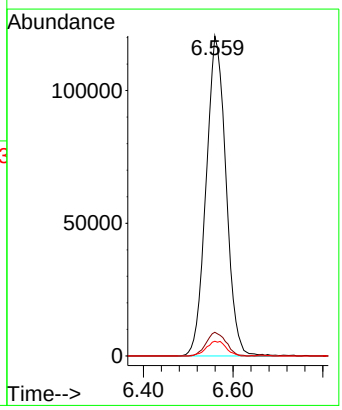


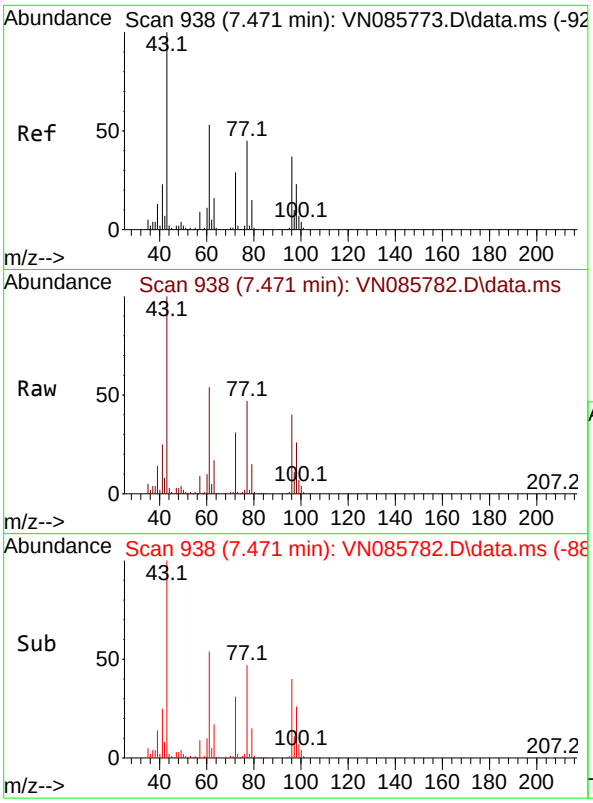


#24
1,1-Dichloroethane
Concen: 49.478 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 63 Resp: 370904

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.6	2.4	7.2



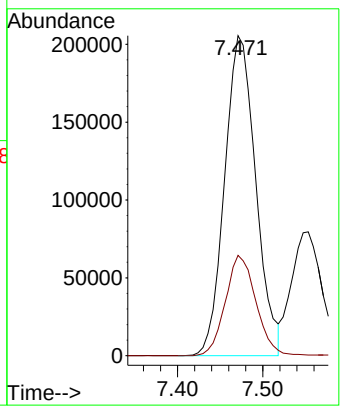


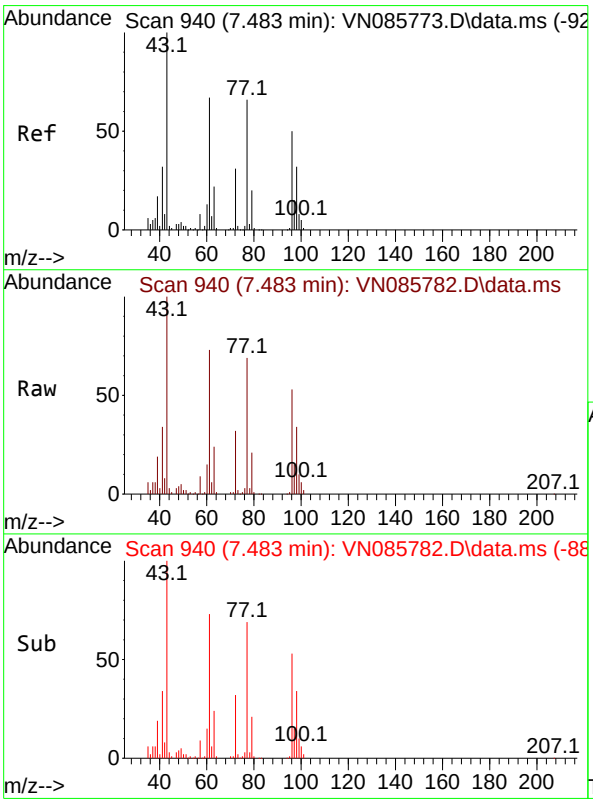
#25
2-Butanone
Concen: 255.385 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 522422

Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.6	35.4

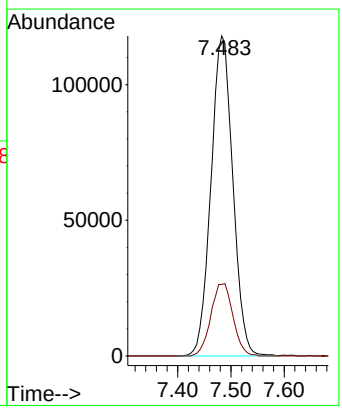


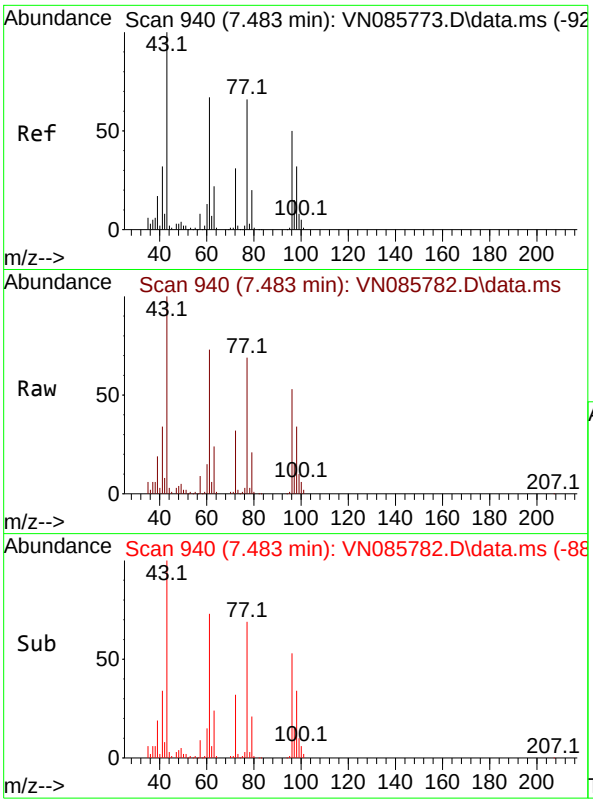


#26
2,2-Dichloropropane
Concen: 50.464 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 77 Resp: 336386

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.3	33.8



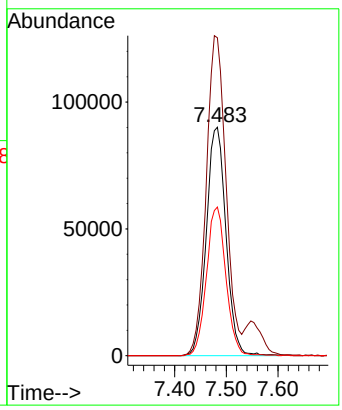


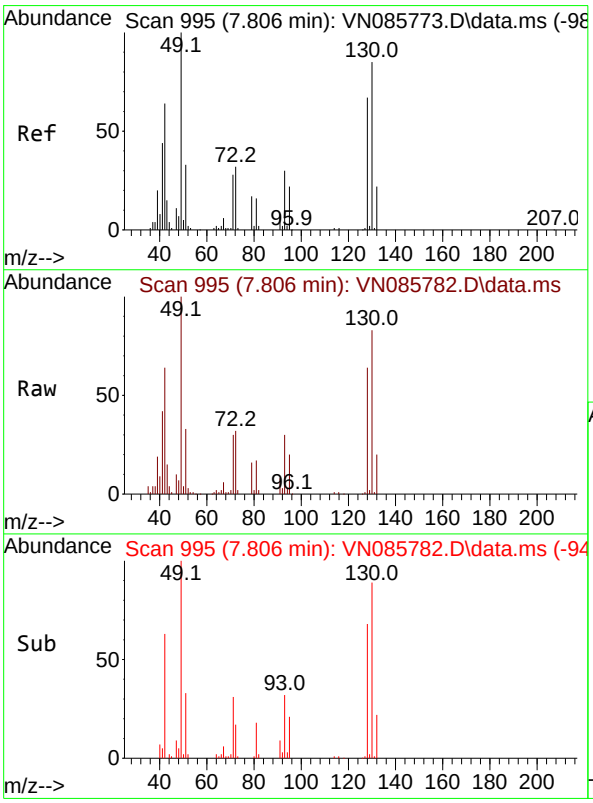
#27
cis-1,2-Dichloroethene
Concen: 51.333 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 238225

Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	280.6
98	64.4	0.0	128.6

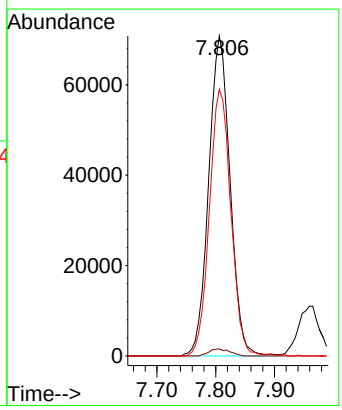


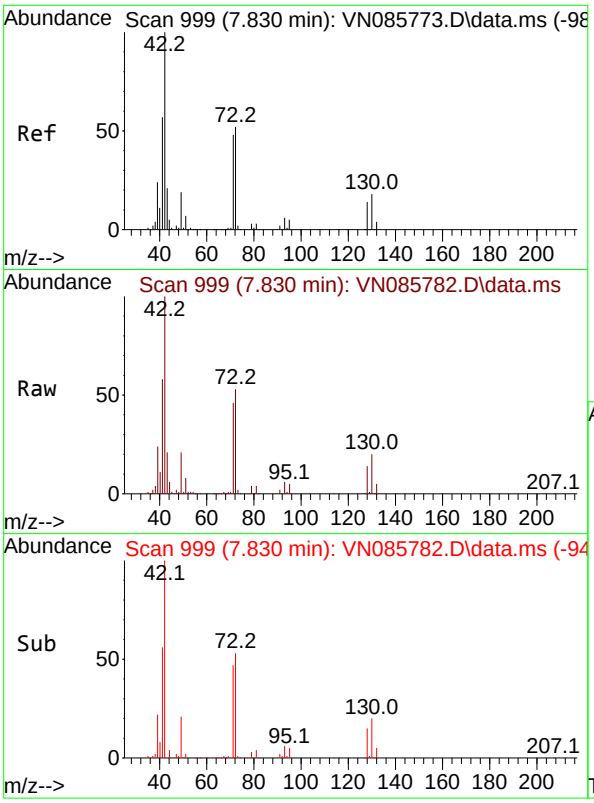


#28
Bromochloromethane
Concen: 58.177 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 49 Resp: 179247

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	83.3	68.0	102.0



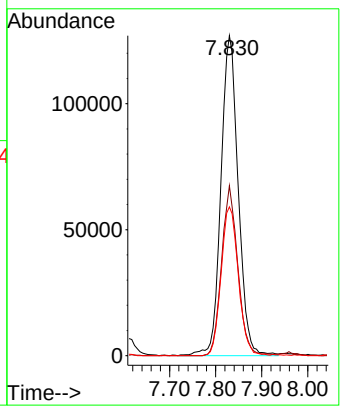


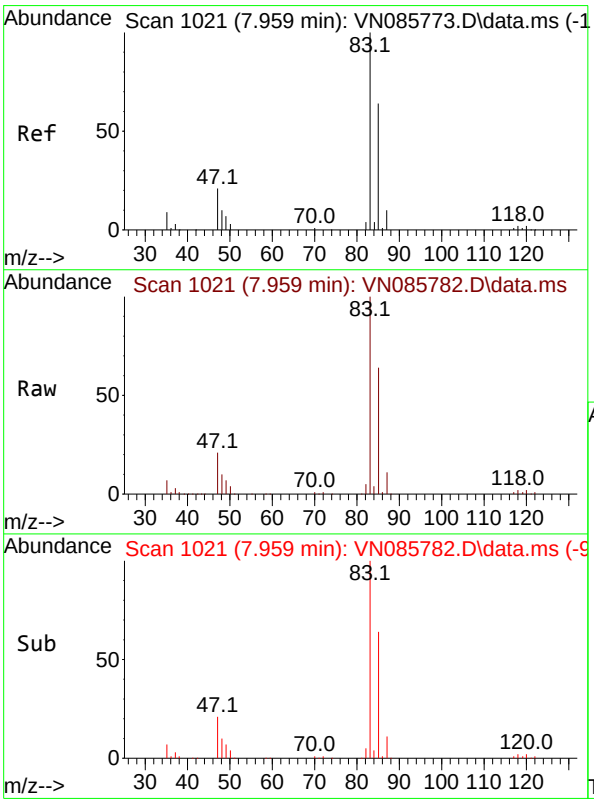
#29
Tetrahydrofuran
Concen: 249.701 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 329843

Ion	Ratio	Lower	Upper
42	100		
72	49.8	40.0	60.0
71	46.4	37.0	55.4

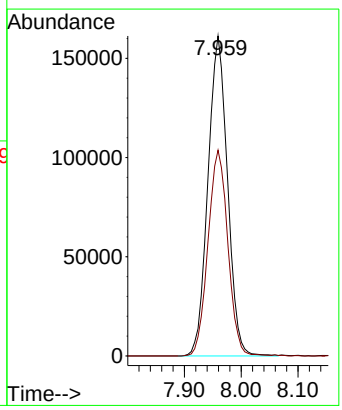


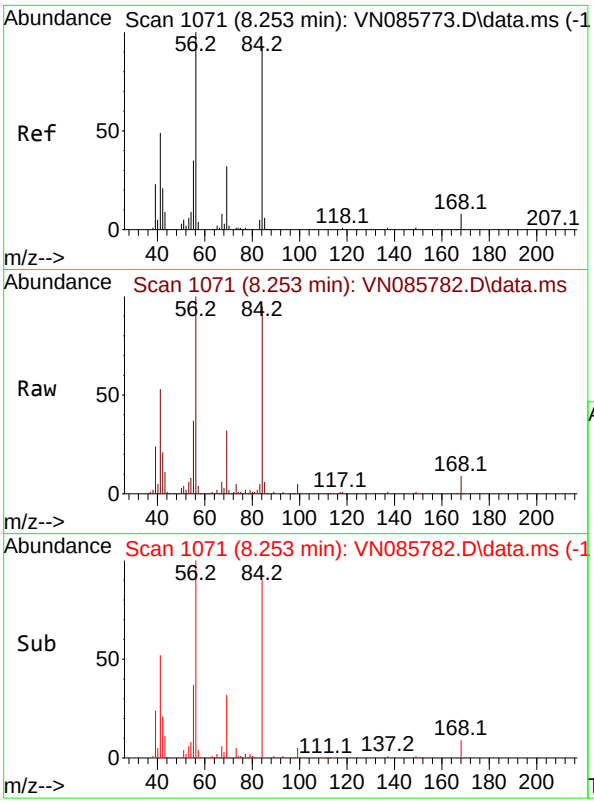


#30
Chloroform
Concen: 49.129 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 83 Resp: 384871

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3



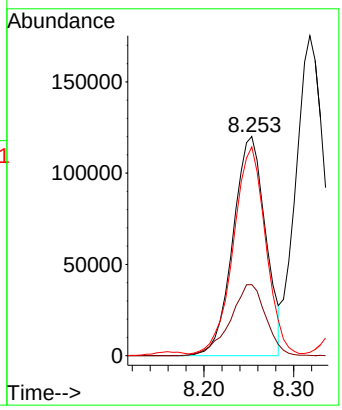


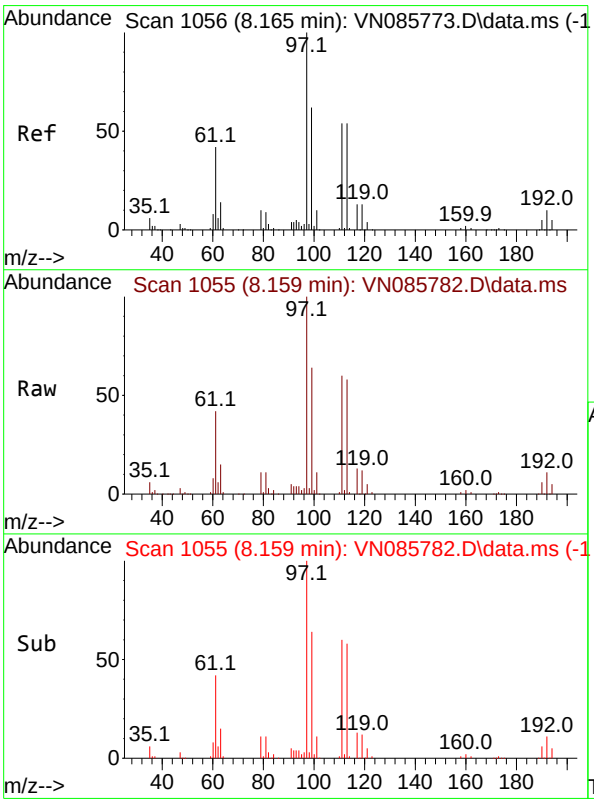
#31
Cyclohexane
Concen: 48.266 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 302945

Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.6
84	93.6	74.5	111.7

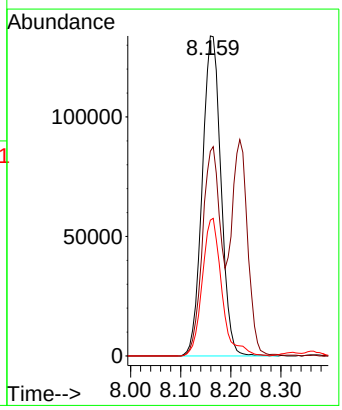


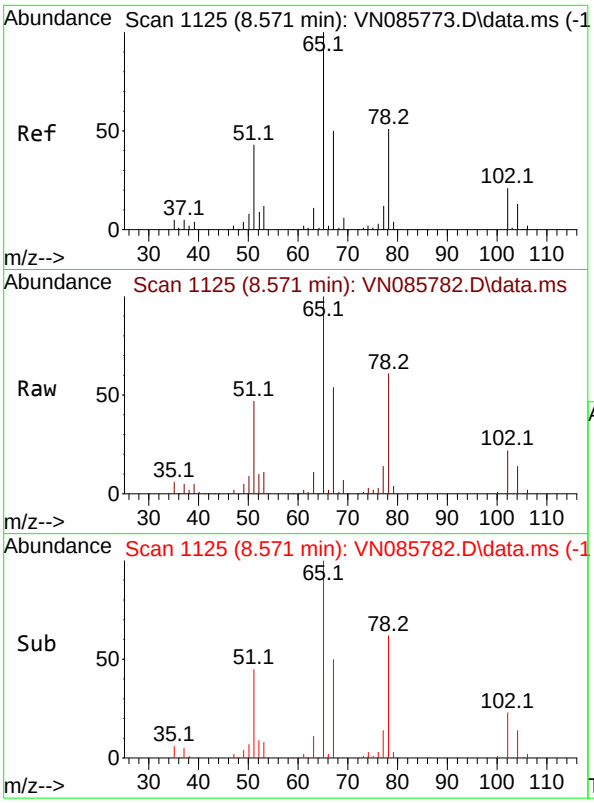


#32
1,1,1-Trichloroethane
Concen: 49.863 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 97 Resp: 347439

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.4	75.6
61	44.9	35.5	53.3



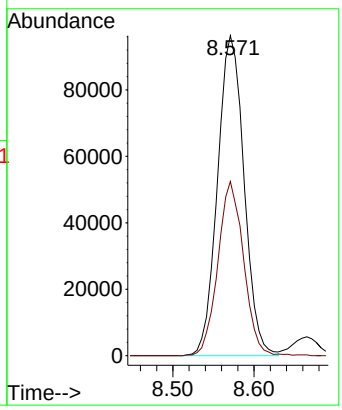


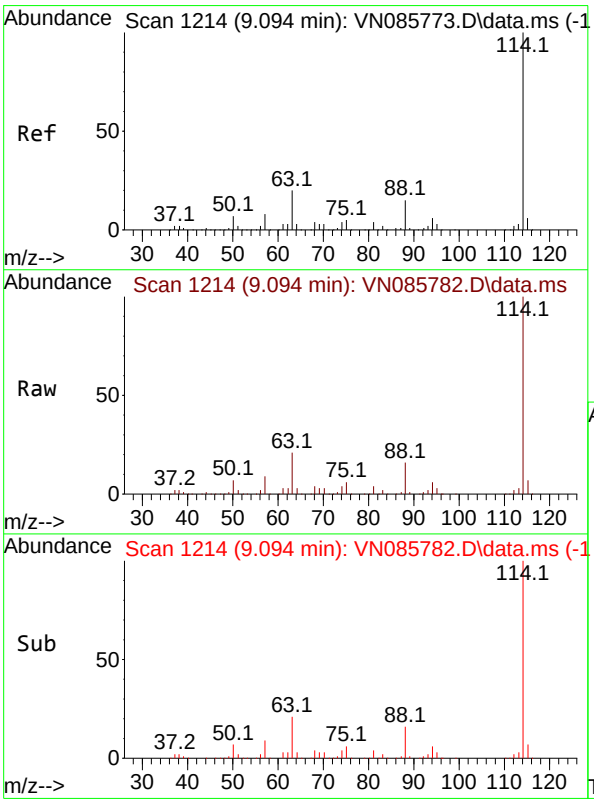
#33
1,2-Dichloroethane-d4
Concen: 49.835 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 218995

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.2

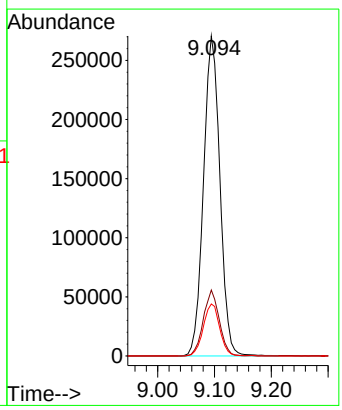


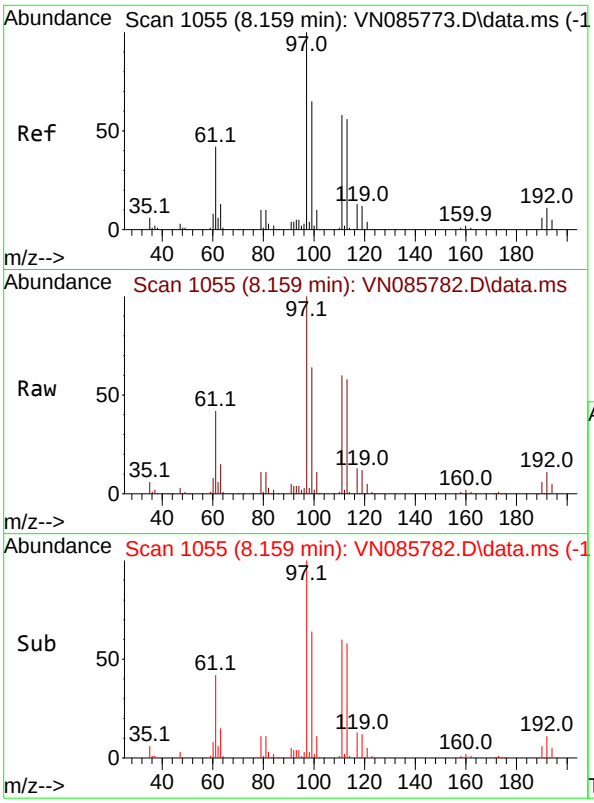


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:114 Resp: 542050

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.2
88	16.3	0.0	30.0



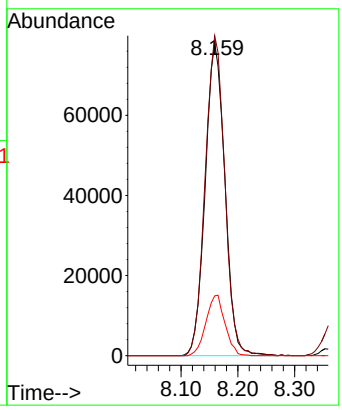


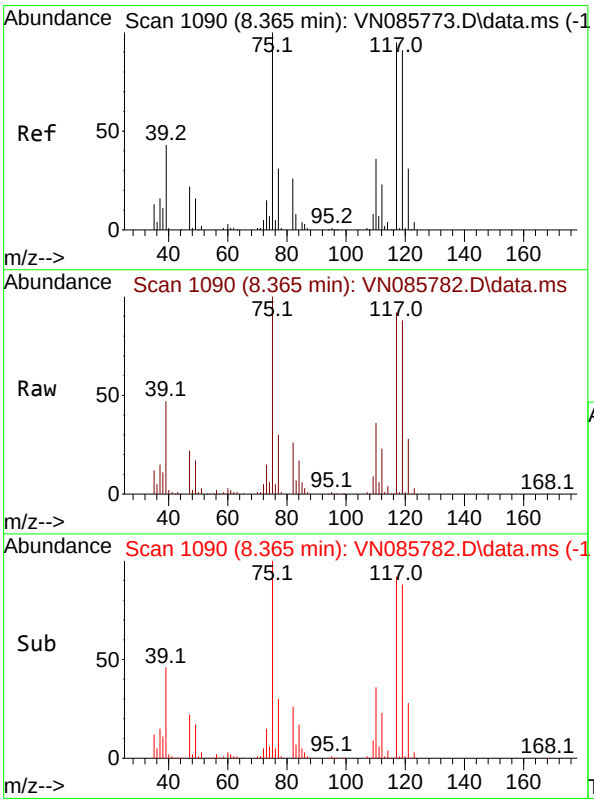
#35
Dibromofluoromethane
Concen: 52.900 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 187631

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	18.7	14.7	22.1

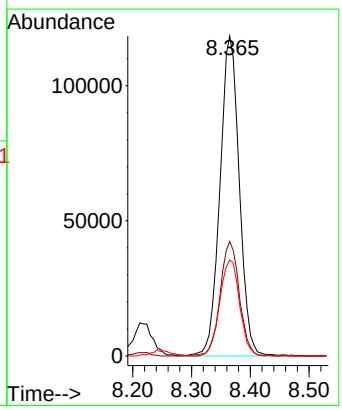


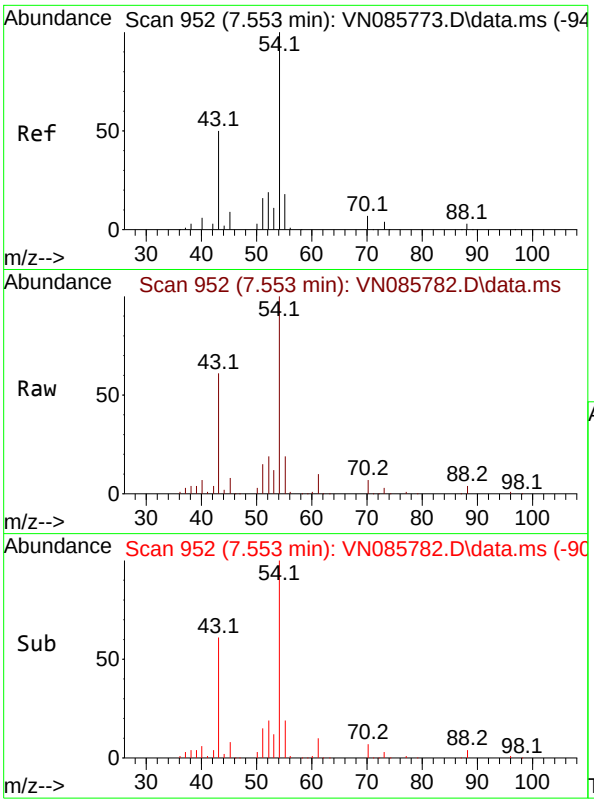


#36
1,1-Dichloropropene
Concen: 53.862 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 270378

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.3	52.0
77	31.2	24.6	37.0



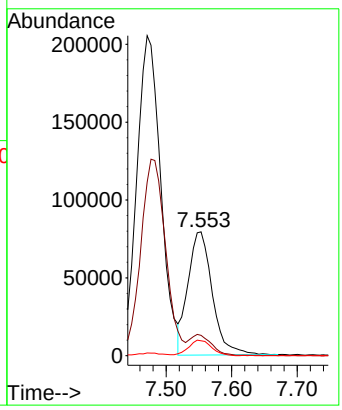


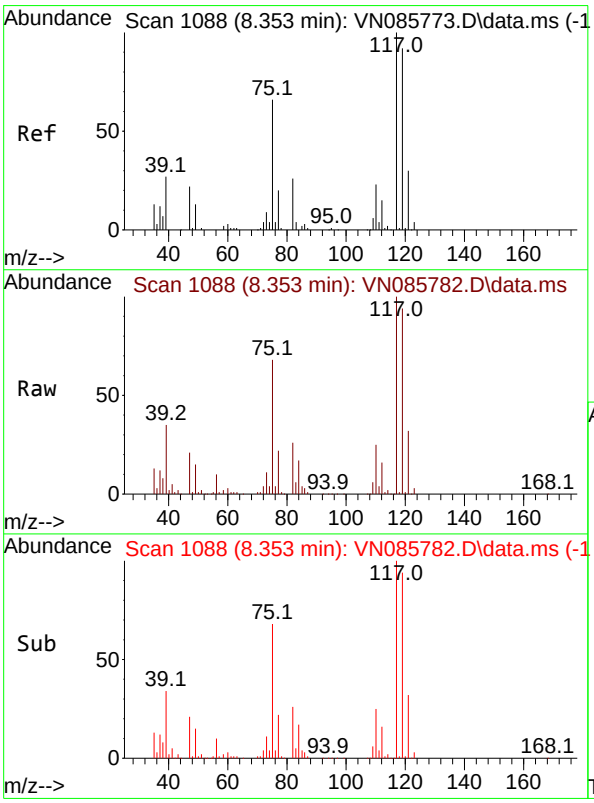
#37
Ethyl Acetate
Concen: 49.384 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 204009

Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	11.9	9.5	14.3

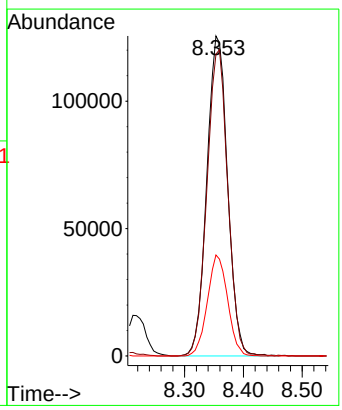


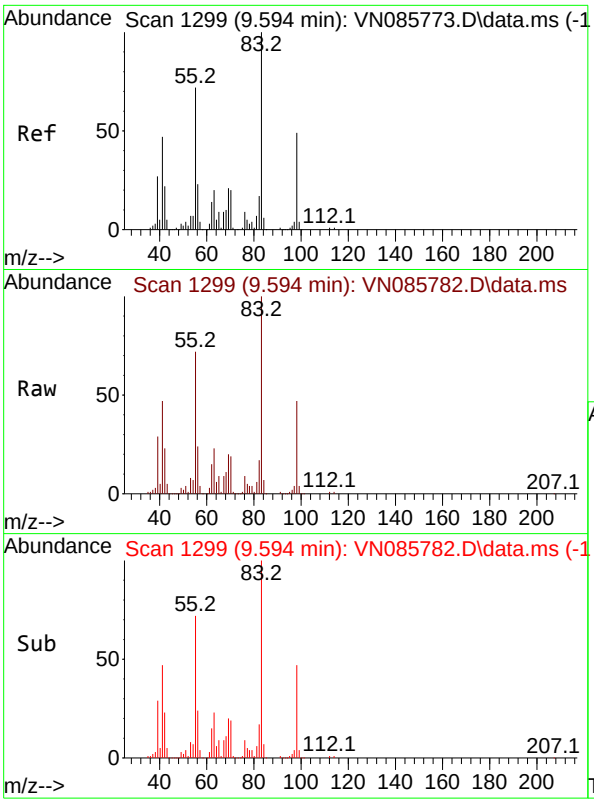


#38
Carbon Tetrachloride
Concen: 51.650 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:117 Resp: 308070

Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.8	110.6
121	31.5	24.3	36.5



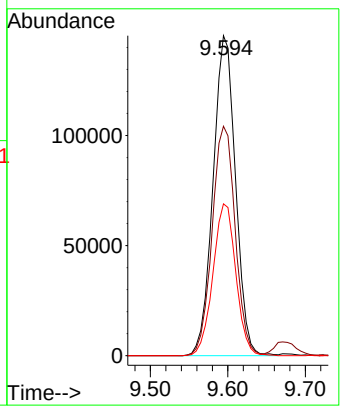


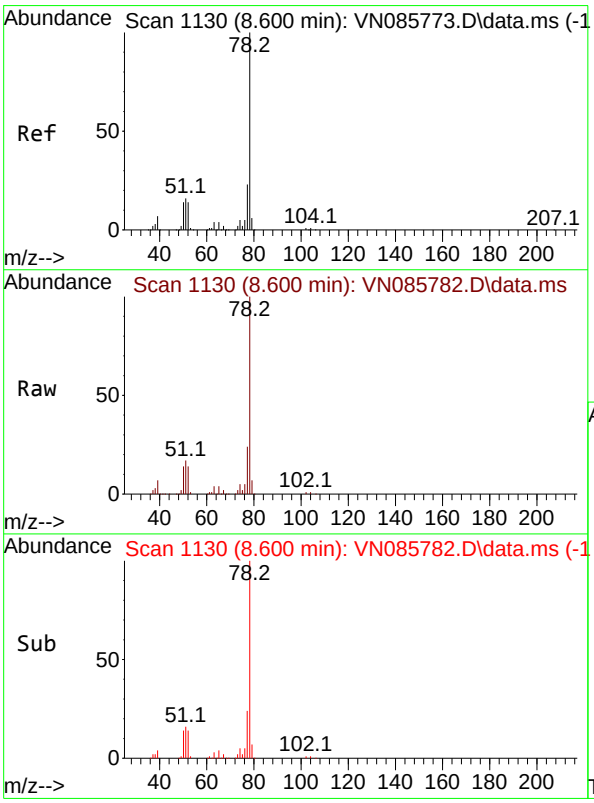
#39
Methylcyclohexane
Concen: 59.556 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 293698

Ion	Ratio	Lower	Upper
83	100		
55	71.7	57.5	86.3
98	47.5	39.2	58.8

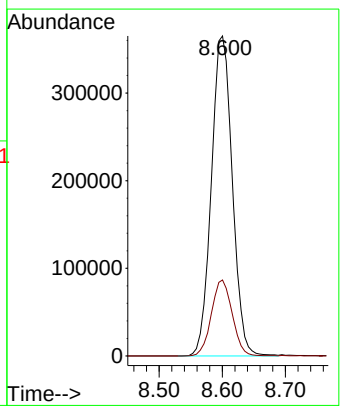


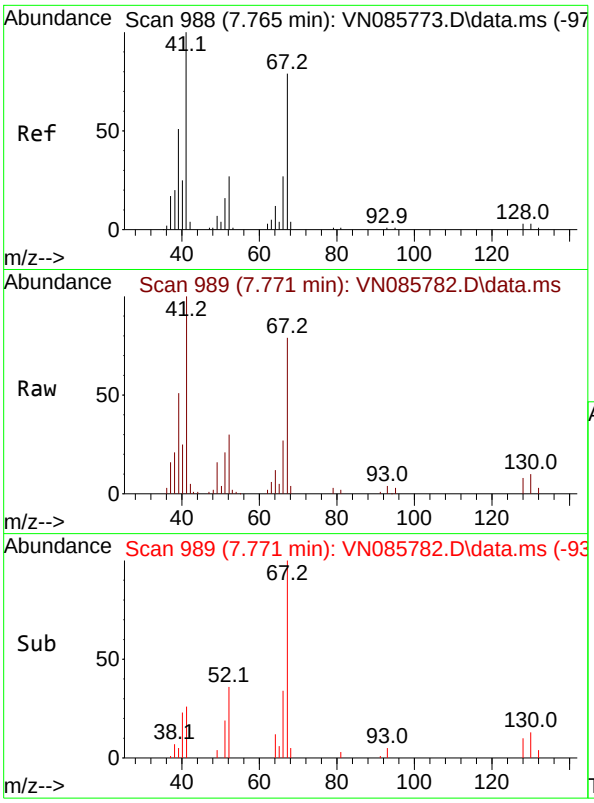


#40
Benzene
Concen: 52.435 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 78 Resp: 843620

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5



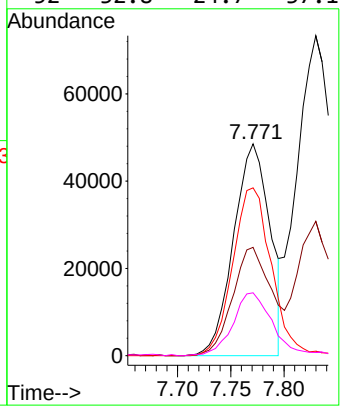


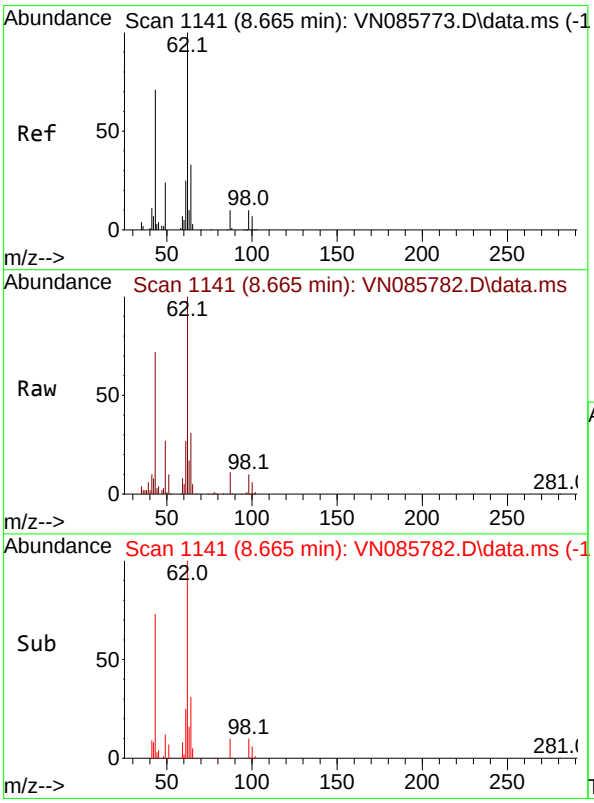
#41
Methacrylonitrile
Concen: 52.247 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 115379

Ion	Ratio	Lower	Upper
41	100		
39	55.5	42.0	63.0
67	84.7	64.2	96.4
52	32.8	24.7	37.1

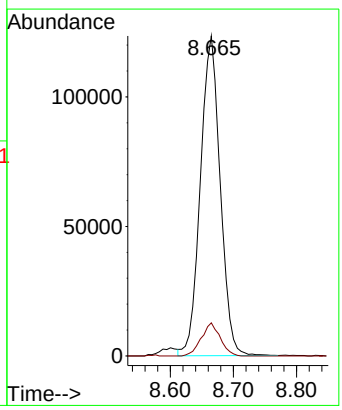


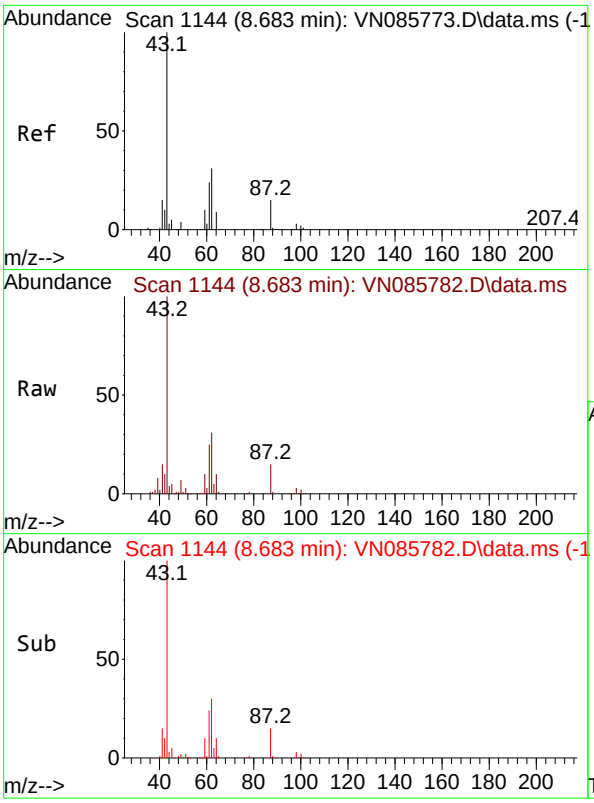


#42
1,2-Dichloroethane
Concen: 51.342 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 62 Resp: 269061

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



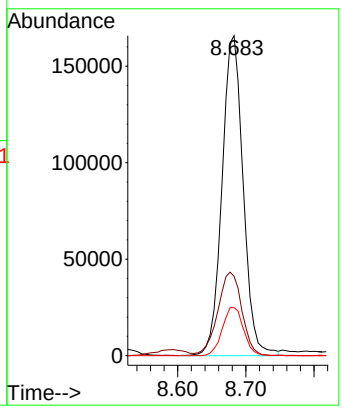


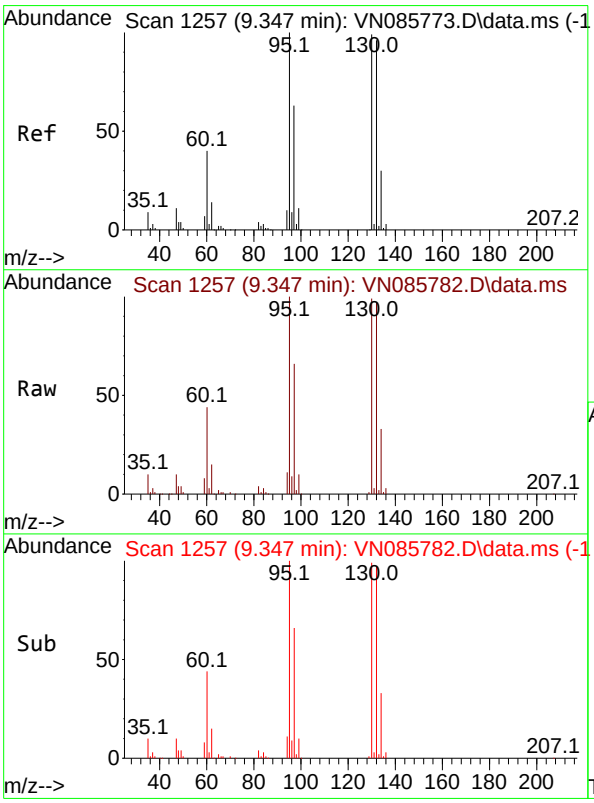
#43
Isopropyl Acetate
Concen: 49.475 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 358728

Ion	Ratio	Lower	Upper
43	100		
61	29.7	22.6	34.0
87	15.1	11.8	17.8

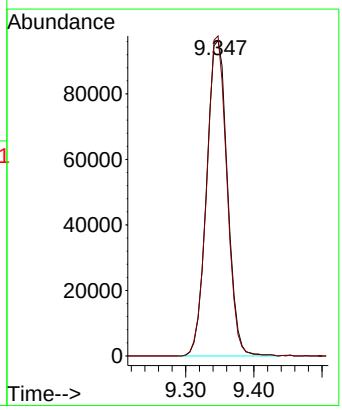


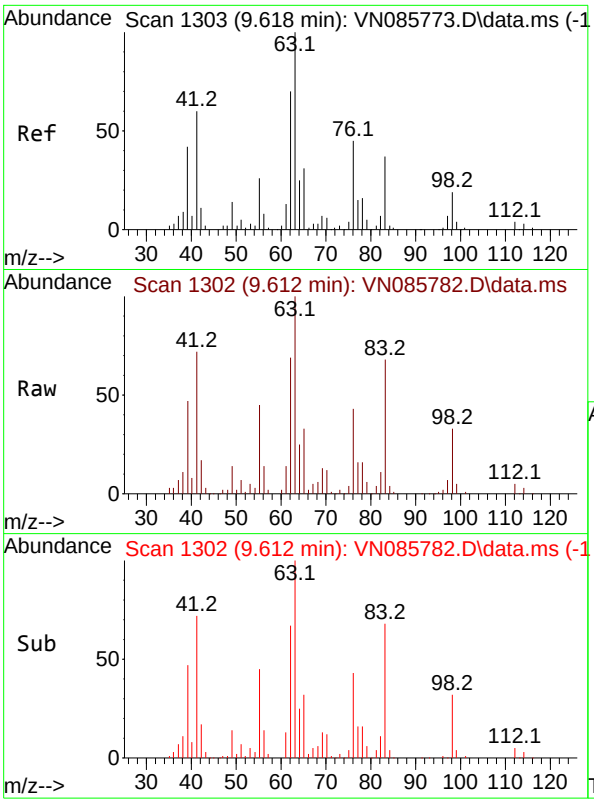


#44
Trichloroethene
Concen: 51.748 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:130 Resp: 204423

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	202.6



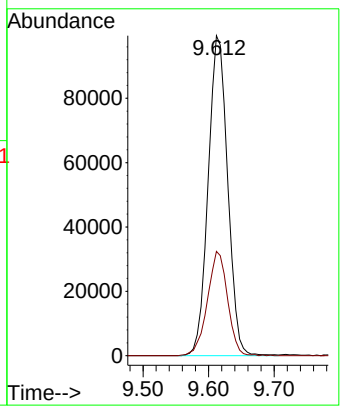


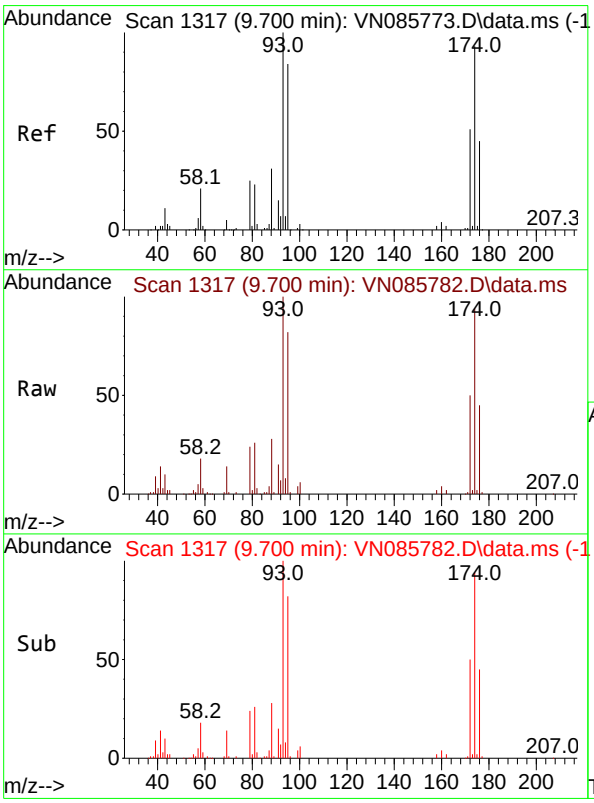
#45
1,2-Dichloropropane
Concen: 52.875 ug/l
RT: 9.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 205345

Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.1	37.7

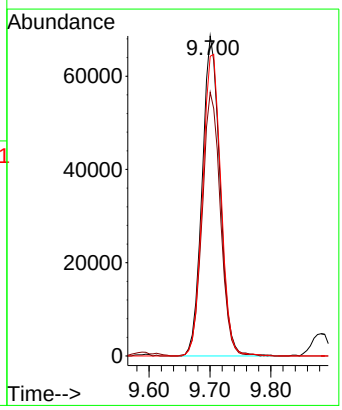


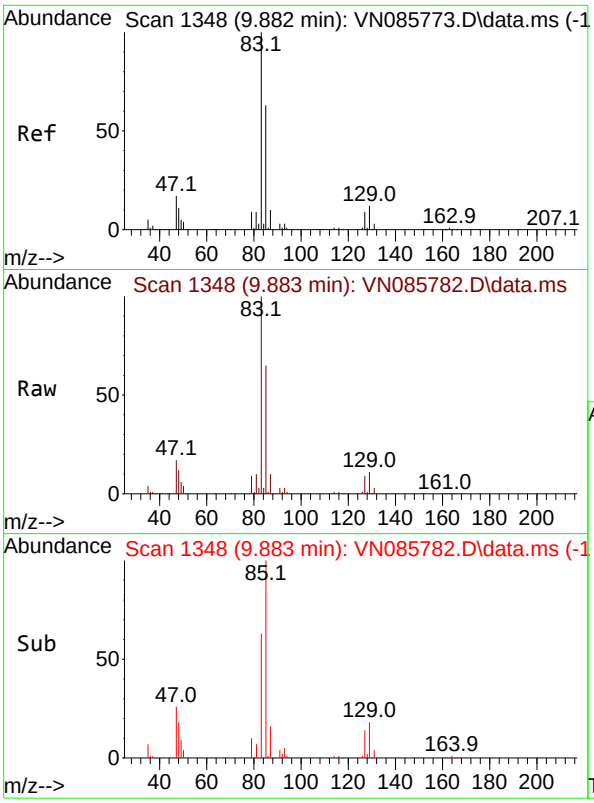


#46
Dibromomethane
Concen: 51.094 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 93 Resp: 139963

Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.7	100.1
174	96.7	77.2	115.8



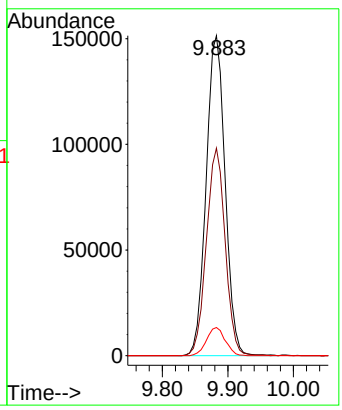


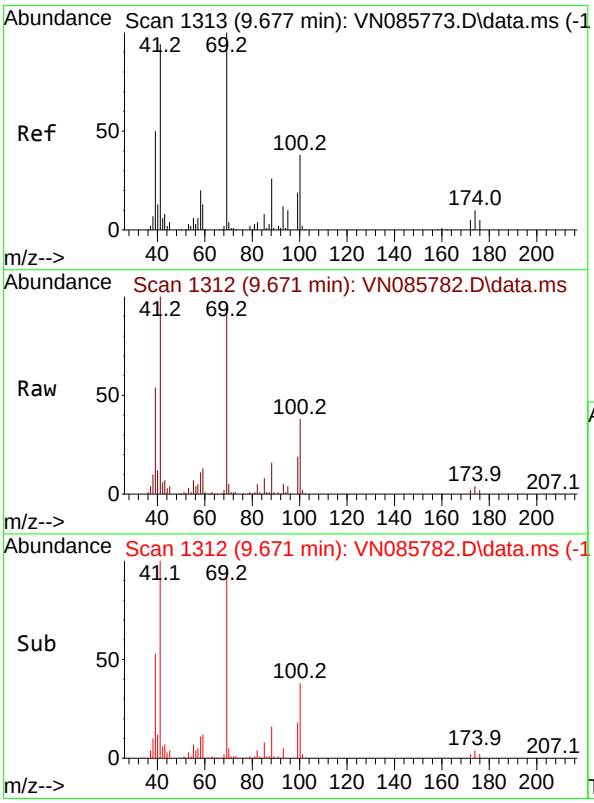
#47
Bromodichloromethane
Concen: 51.856 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 303915

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.8	7.2	10.8

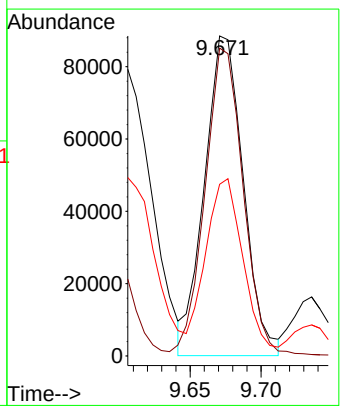


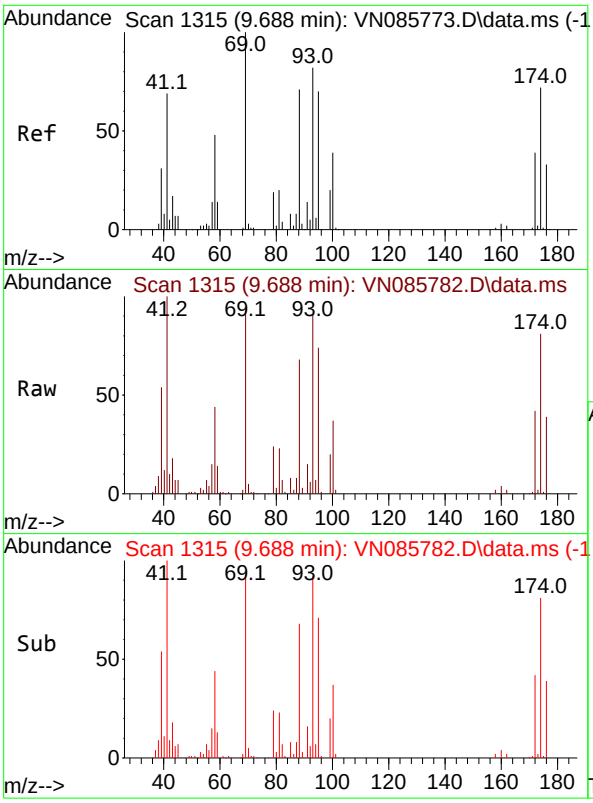


#48
Methyl methacrylate
Concen: 54.849 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 41 Resp: 168275

Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.0	114.0
39	53.6	42.3	63.5



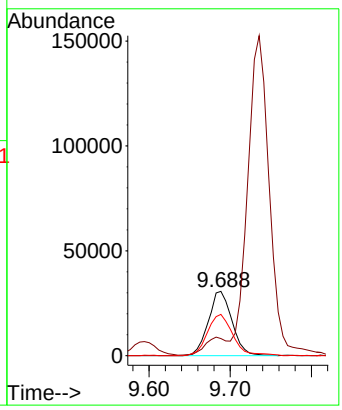


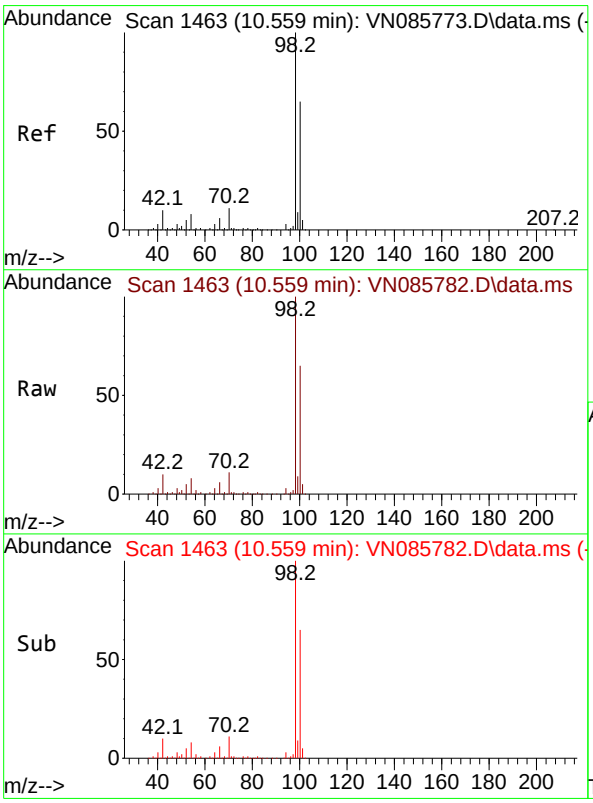
#49
1,4-Dioxane
Concen: 1062.788 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 62004

Ion	Ratio	Lower	Upper
88	100		
43	27.8	18.6	27.8
58	69.0	56.7	85.1

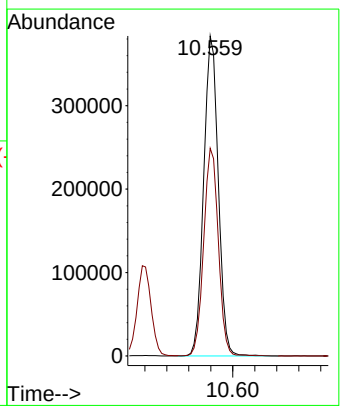


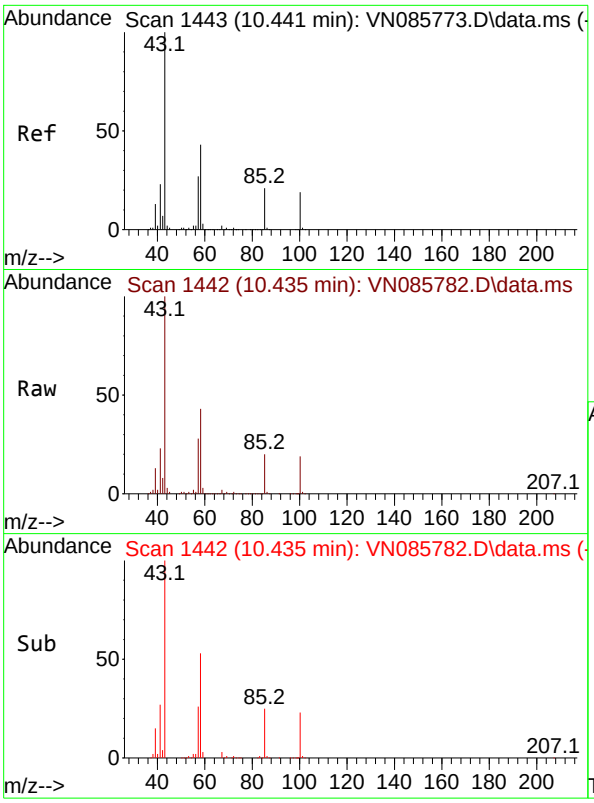


#50
Toluene-d8
Concen: 54.690 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 98 Resp: 705762

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1



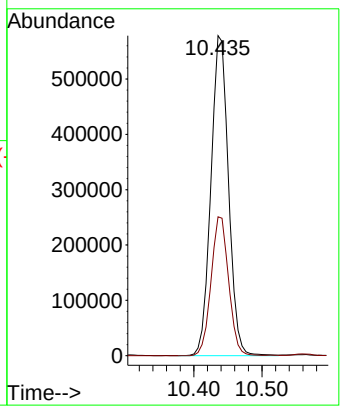


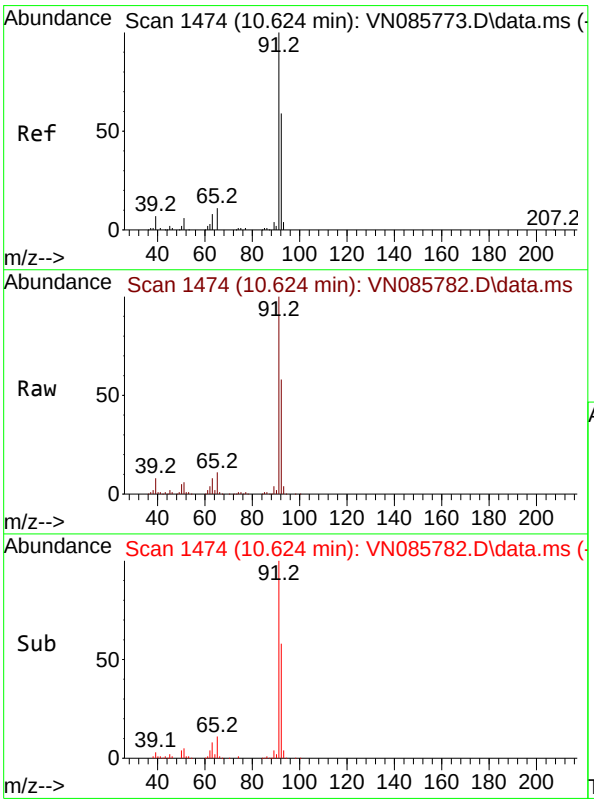
#51
4-Methyl-2-Pentanone
Concen: 260.736 ug/l
RT: 10.435 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1038482

Ion	Ratio	Lower	Upper
43	100		
58	43.4	34.6	52.0

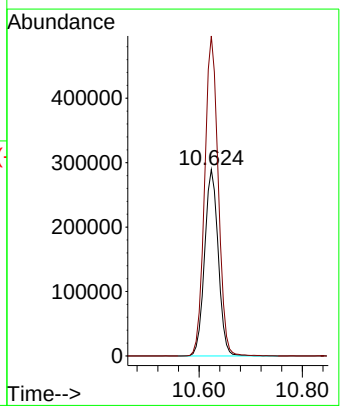


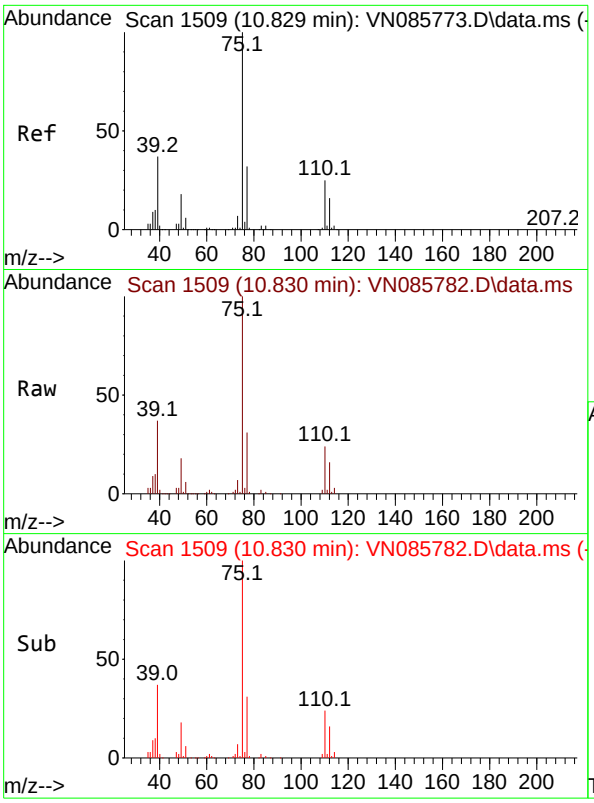


#52
Toluene
Concen: 56.046 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 92 Resp: 528579

Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.9	205.3



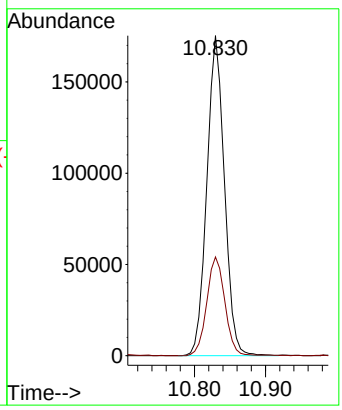


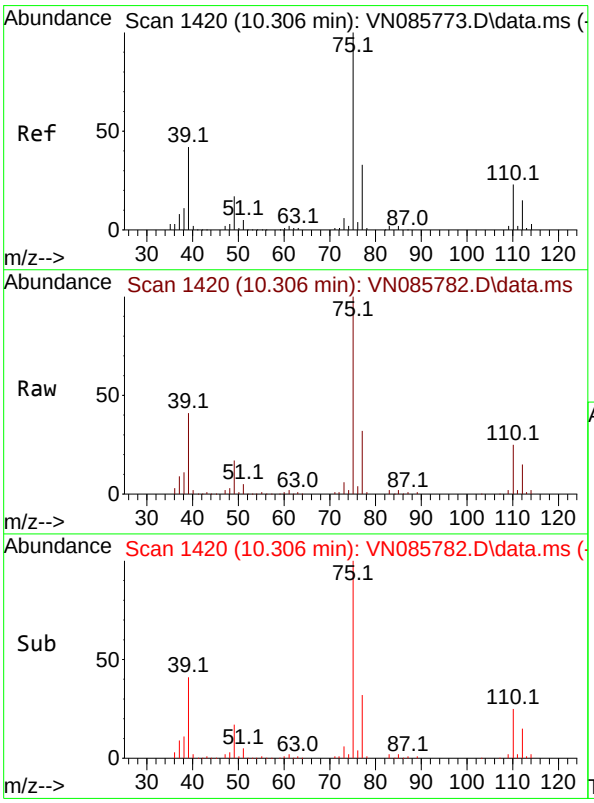
#53
t-1,3-Dichloropropene
Concen: 55.646 ug/l
RT: 10.830 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 301562

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0

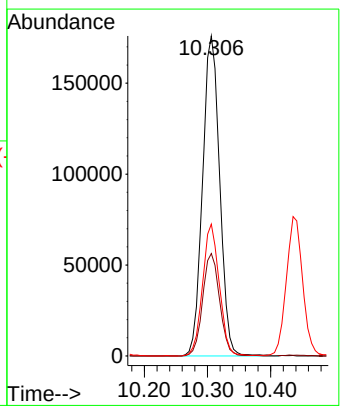


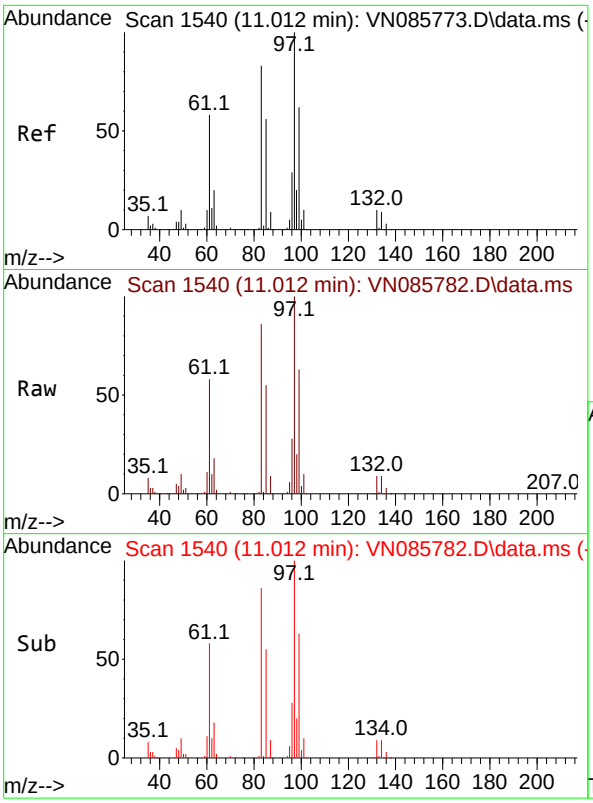


#54
cis-1,3-Dichloropropene
Concen: 55.852 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 331906

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.1	39.1
39	41.2	33.4	50.0



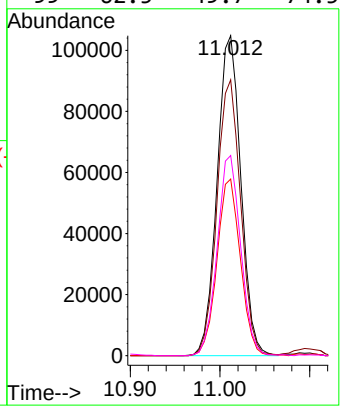


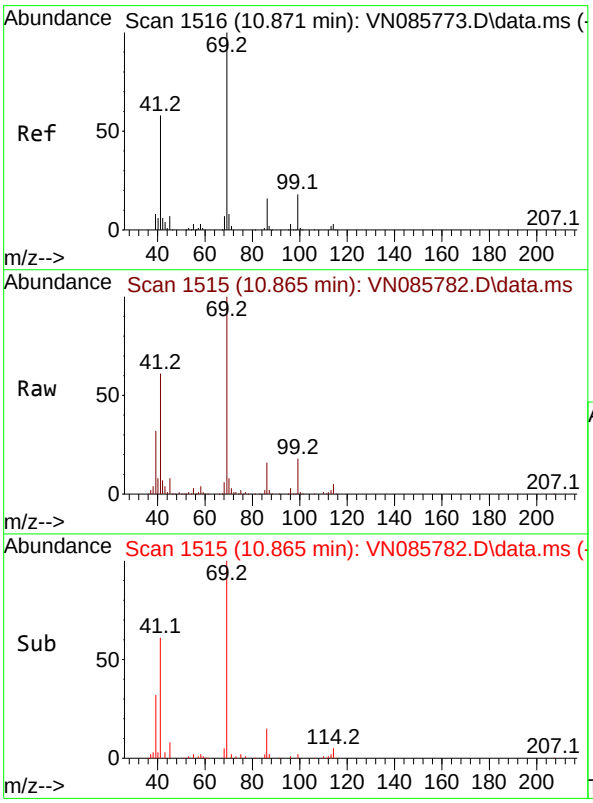
#55
1,1,2-Trichloroethane
Concen: 51.456 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 192948

Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.1	99.1
85	55.2	44.7	67.1
99	62.5	49.7	74.5

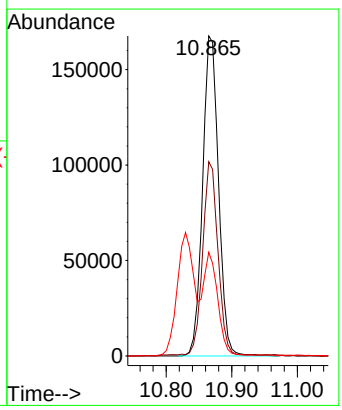


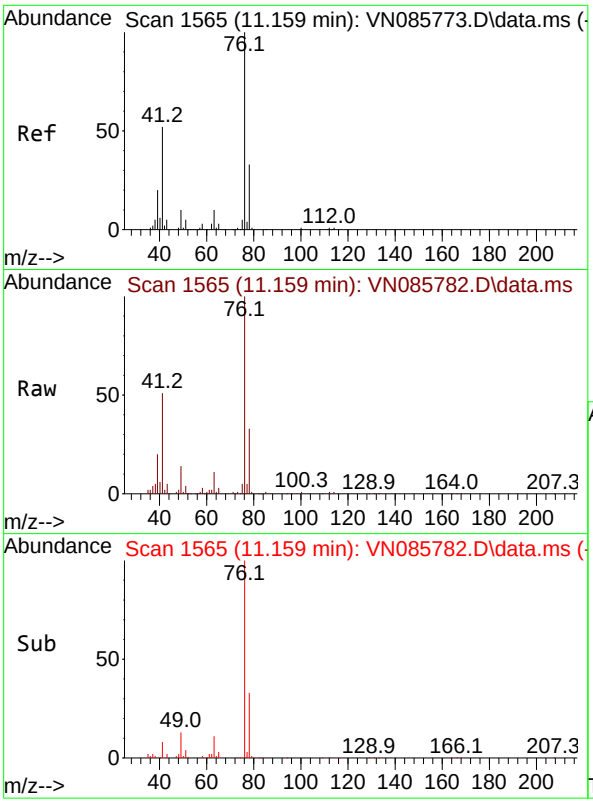


#56
Ethyl methacrylate
Concen: 52.271 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 69 Resp: 283390

Ion	Ratio	Lower	Upper
69	100		
41	59.5	46.0	69.0
39	30.3	22.0	33.0



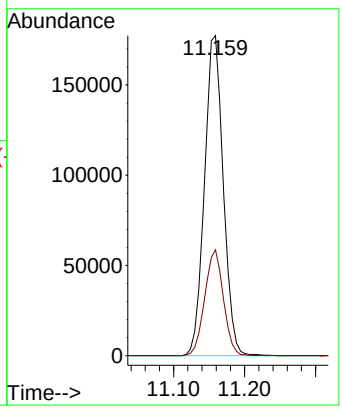


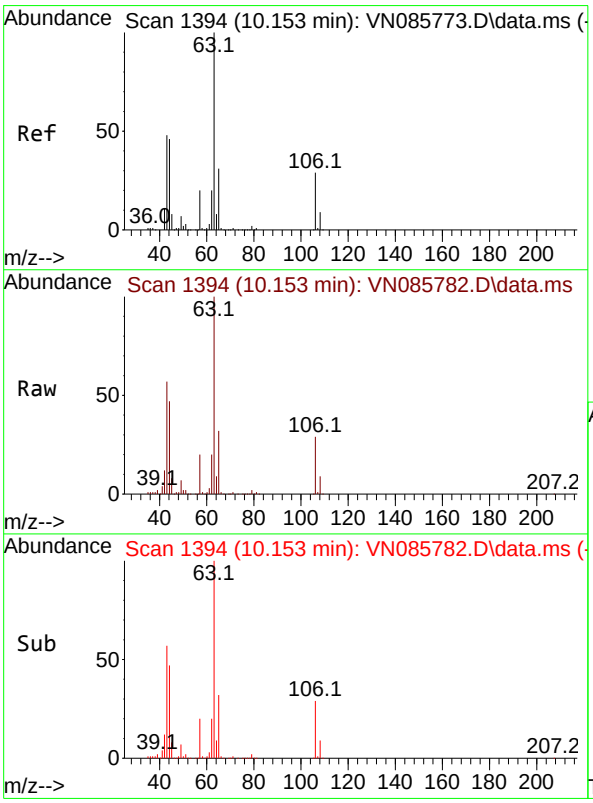
#57
1,3-Dichloropropane
Concen: 52.148 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 326423

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

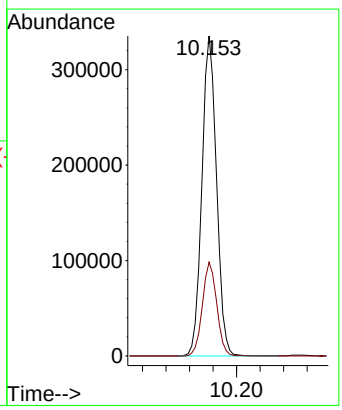


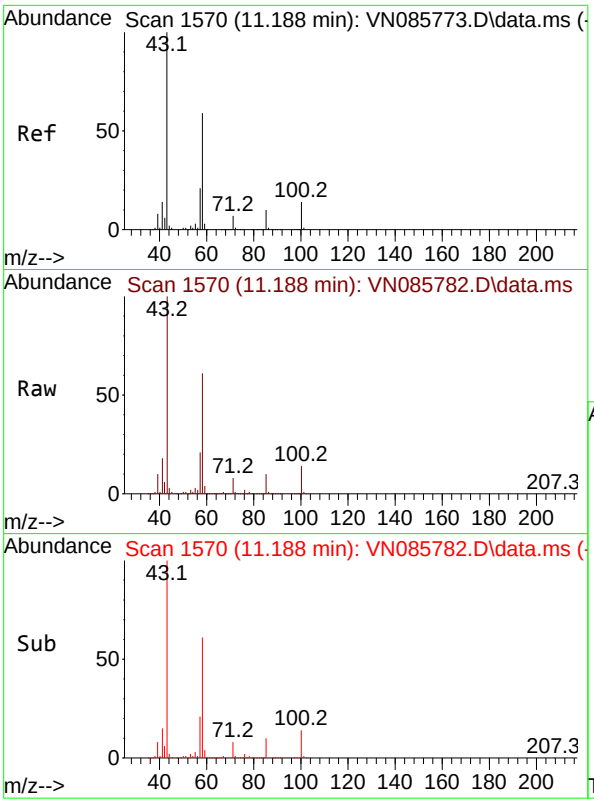


#58
2-Chloroethyl Vinyl ether
Concen: 268.736 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 63 Resp: 578323

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.7	34.1



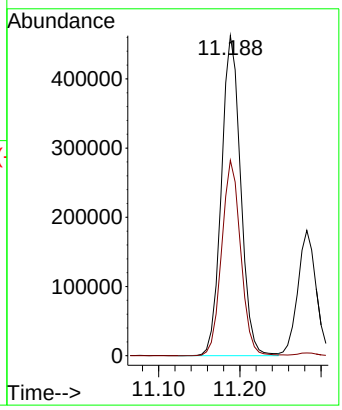


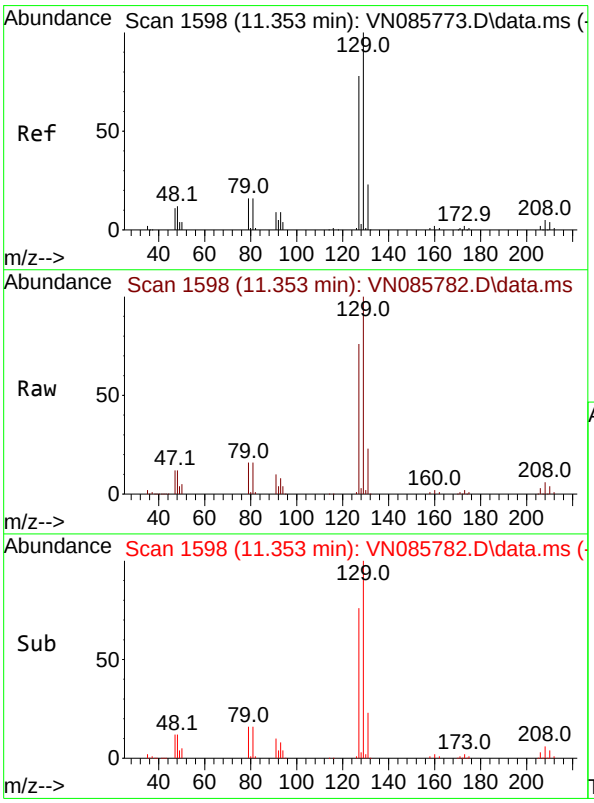
#59
2-Hexanone
Concen: 278.298 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 762537

Ion	Ratio	Lower	Upper
43	100		
58	60.3	29.8	89.5

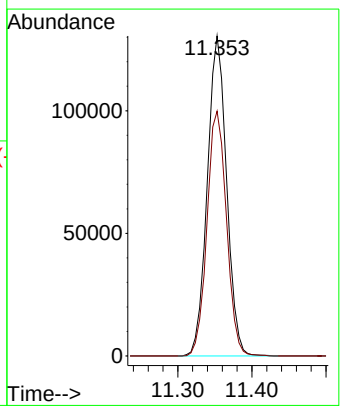


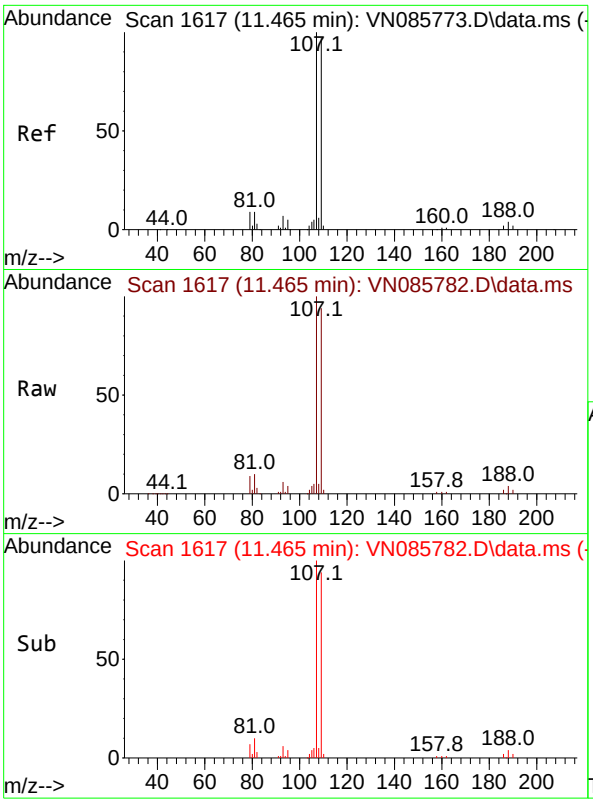


#60
Dibromochloromethane
Concen: 53.975 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:129 Resp: 235675

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.5



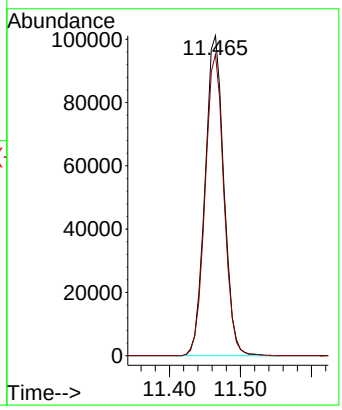


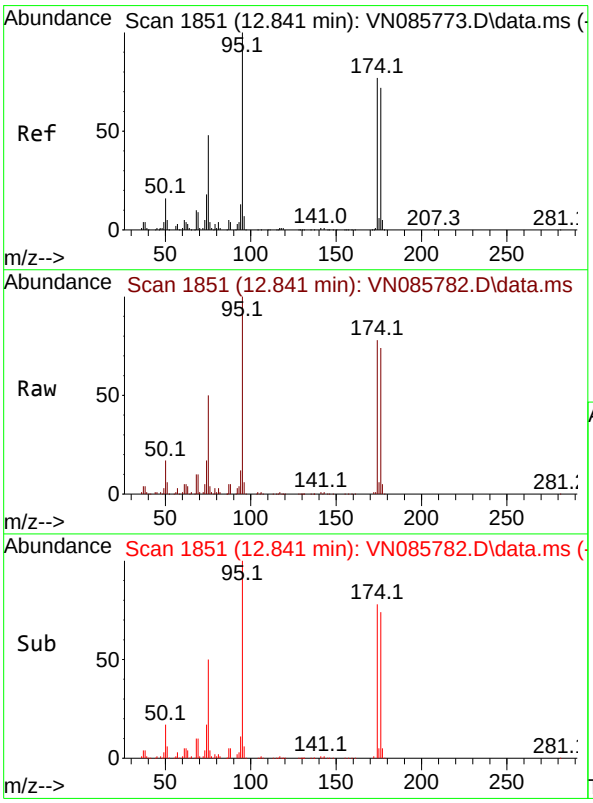
#61
1,2-Dibromoethane
Concen: 52.526 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 186097

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.0	114.0

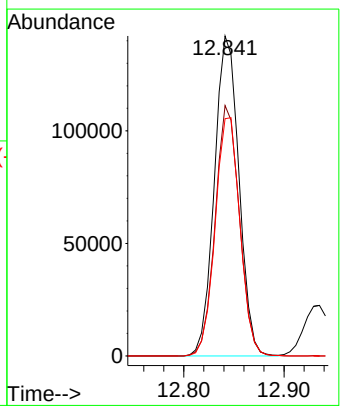


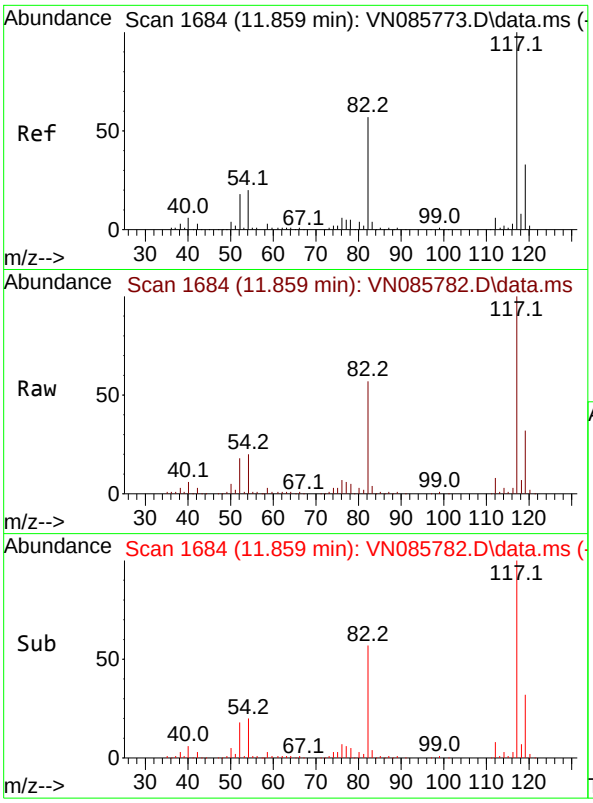


#62
4-Bromofluorobenzene
Concen: 56.798 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 95 Resp: 241495

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	152.4
176	75.3	0.0	146.6



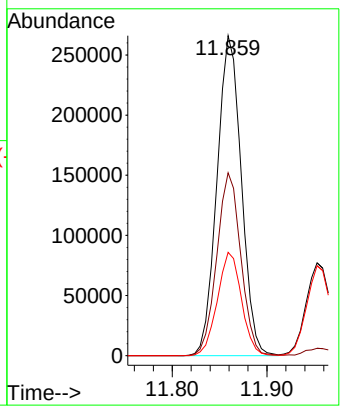


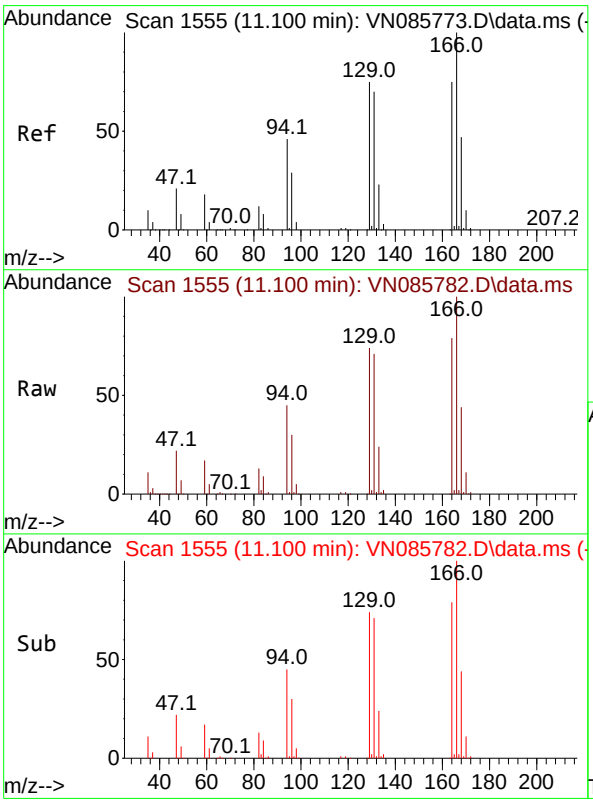
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 475442

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	32.3	26.2	39.2

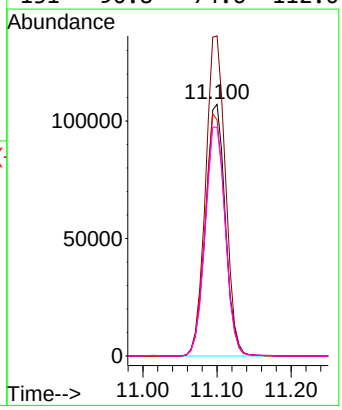


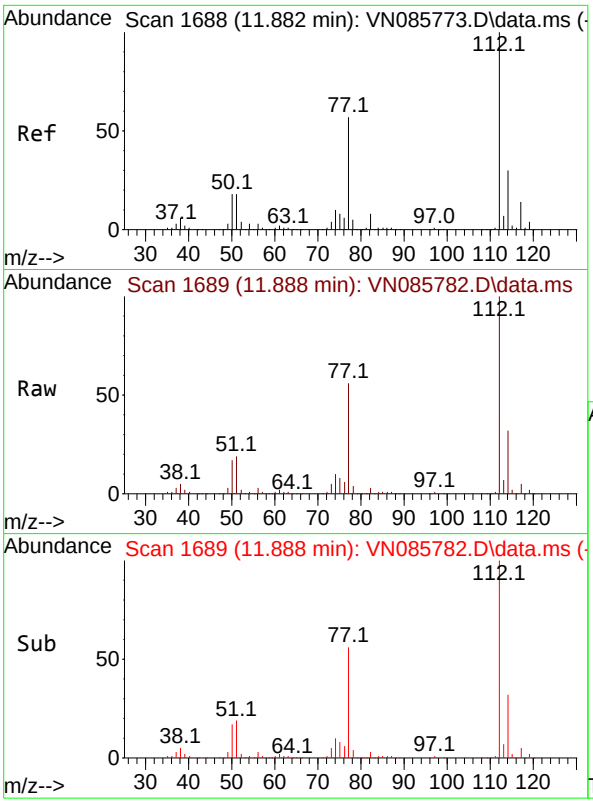


#64
Tetrachloroethene
Concen: 53.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:164 Resp: 197369

Ion	Ratio	Lower	Upper
164	100		
166	127.2	107.2	160.8
129	93.9	80.7	121.1
131	90.8	74.6	112.0



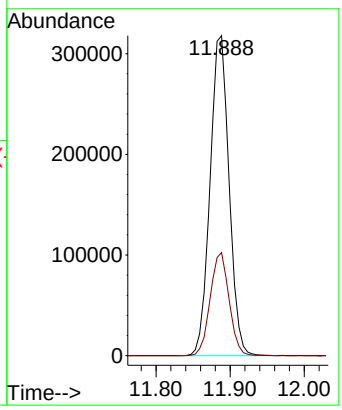


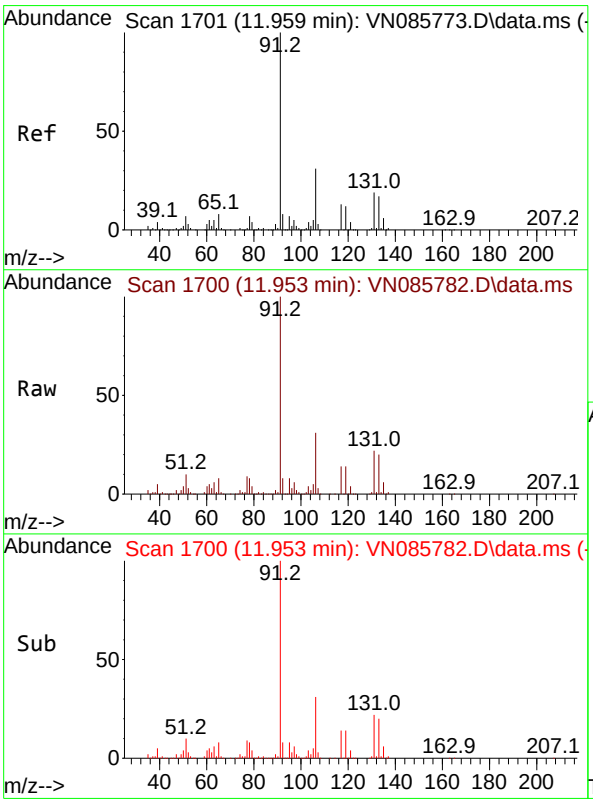
#65
Chlorobenzene
Concen: 51.973 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 566074

Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.3	36.5

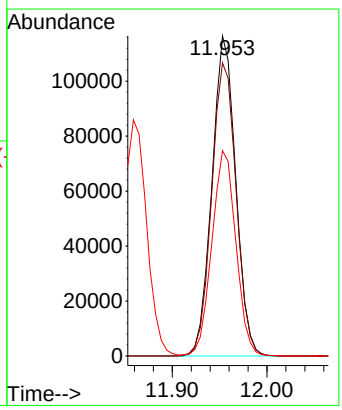


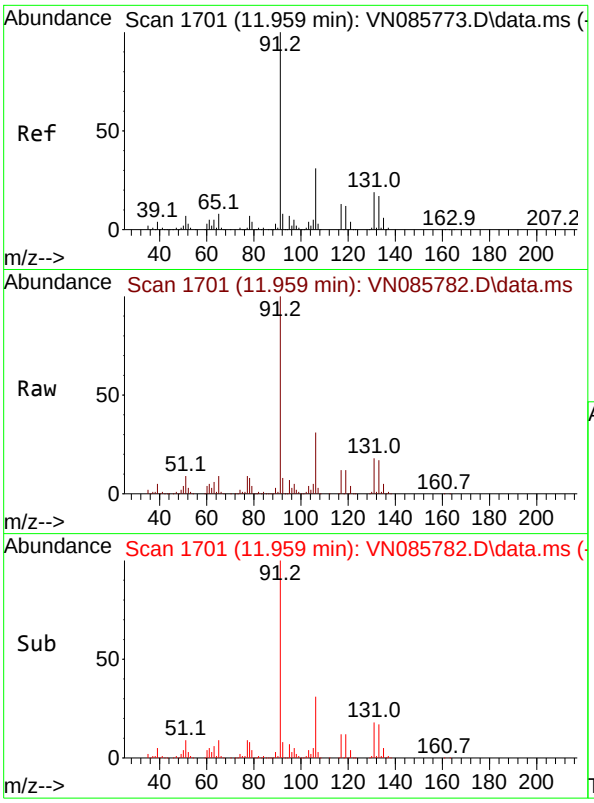


#66
1,1,1,2-Tetrachloroethane
Concen: 51.858 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:131 Resp: 203016

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.7	143.1
119	65.0	33.3	99.8



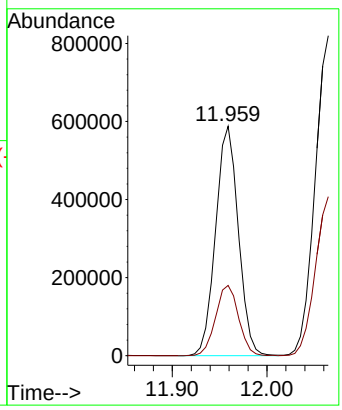


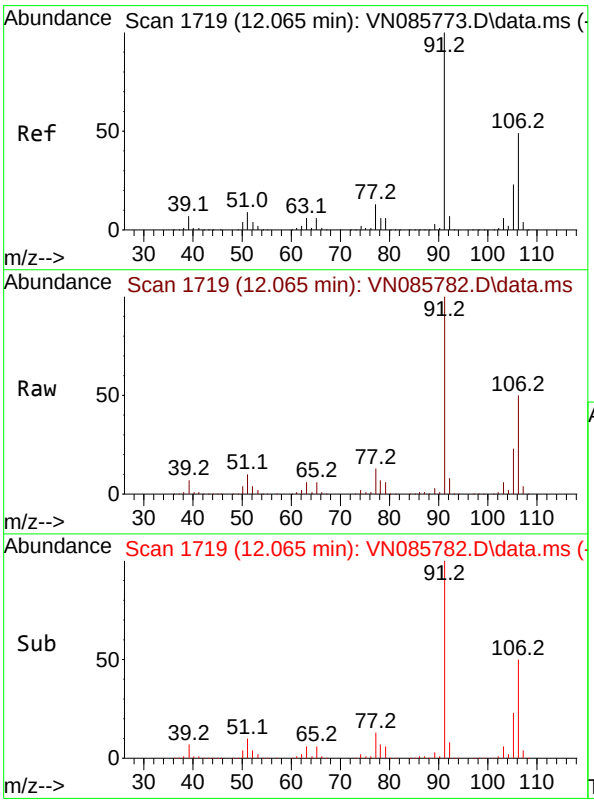
#67
Ethyl Benzene
Concen: 57.422 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 979695

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.7	37.1

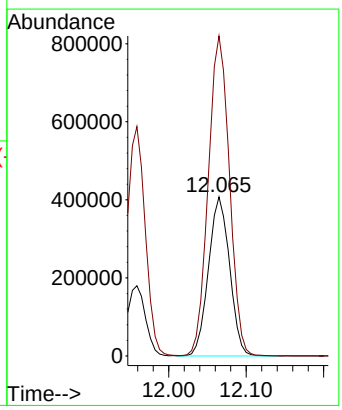


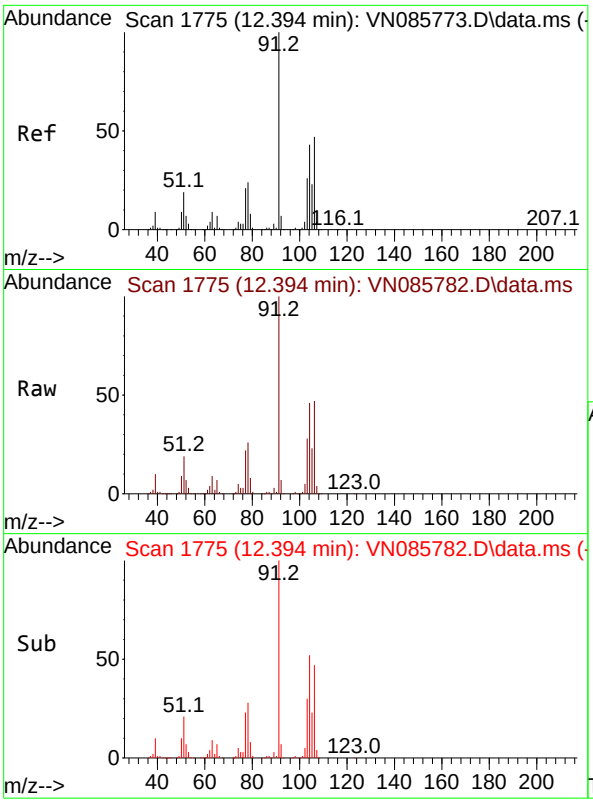


#68
m/p-Xylenes
Concen: 119.029 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:106 Resp: 771390

Ion	Ratio	Lower	Upper
106	100		
91	201.8	163.3	244.9



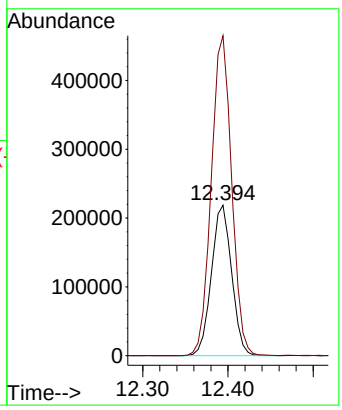


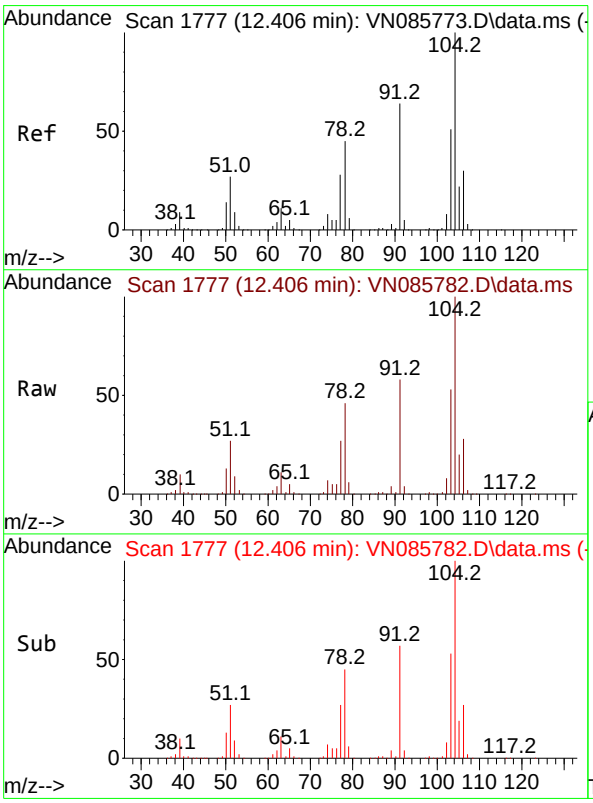
#69
o-Xylene
Concen: 58.531 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 360455

Ion	Ratio	Lower	Upper
106	100		
91	214.5	107.1	321.4

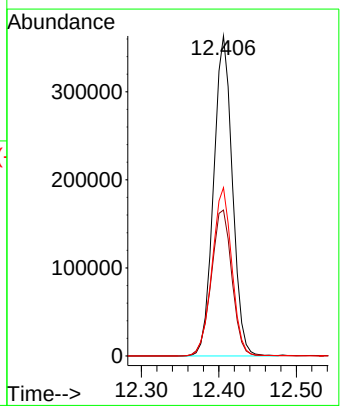


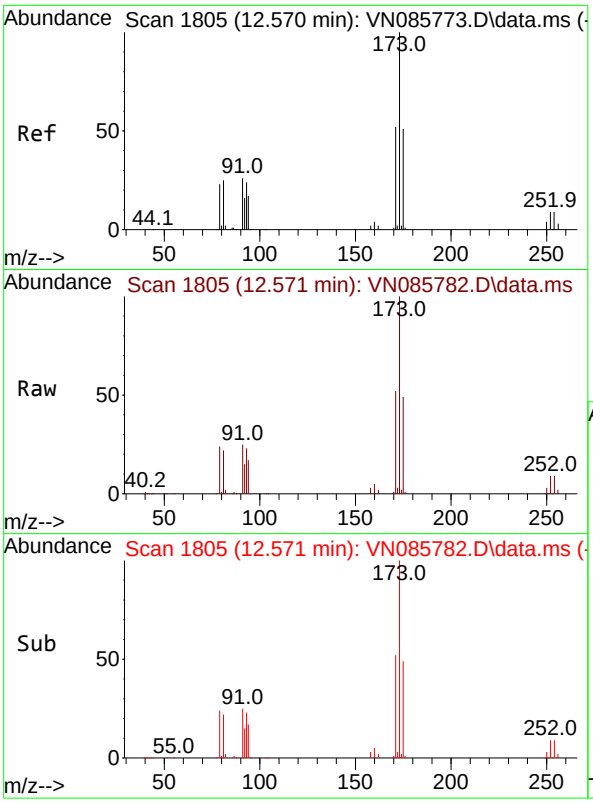


#70
Styrene
Concen: 53.048 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:104 Resp: 611865

Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.0	58.6
103	55.2	43.3	64.9



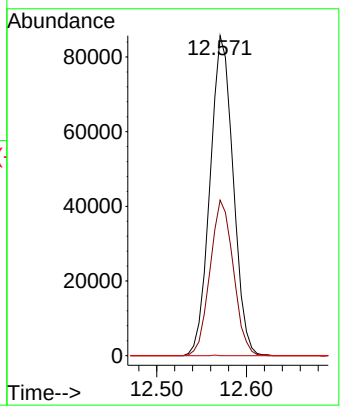


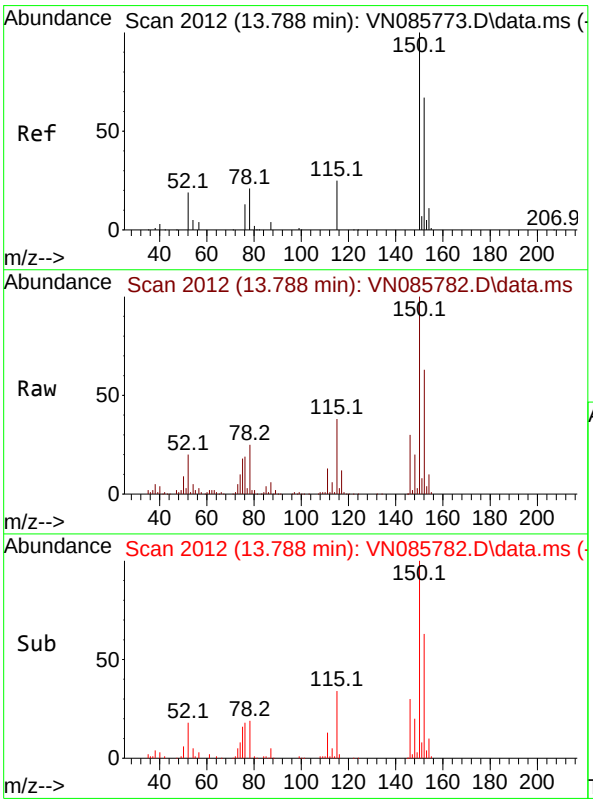
#71
Bromoform
Concen: 52.740 ug/l
RT: 12.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 153417

Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.1	75.4
254	0.0	0.0	0.0#

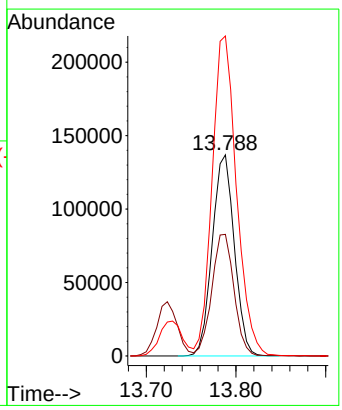


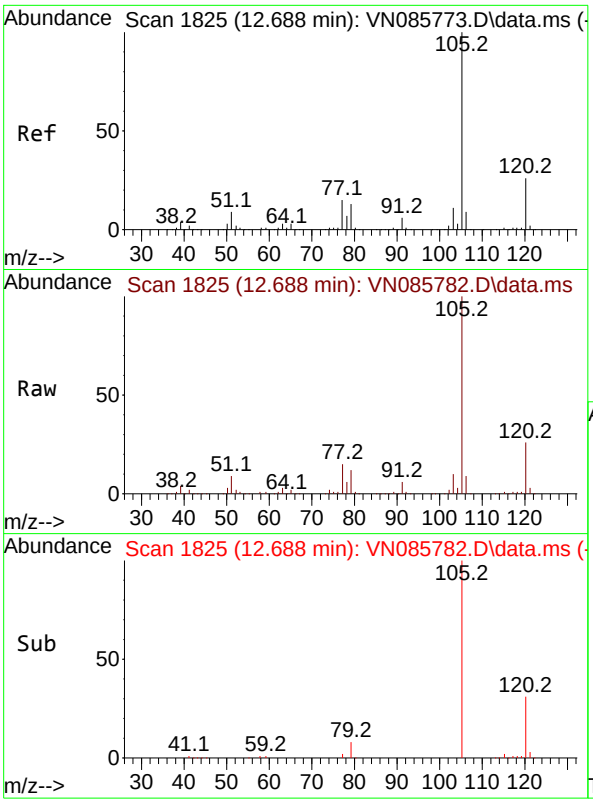


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:152 Resp: 234508

Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.4	91.3
150	175.5	0.0	345.4



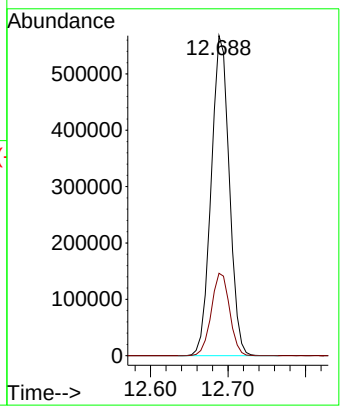


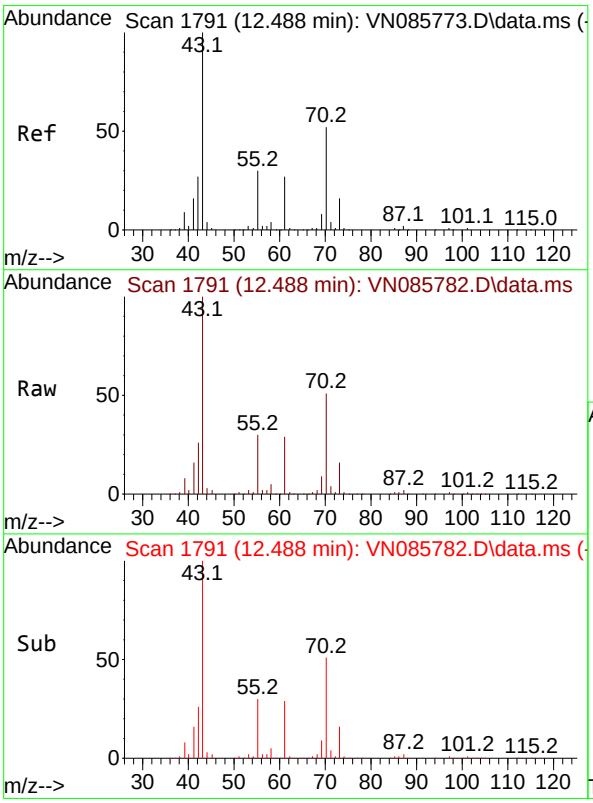
#73
Isopropylbenzene
Concen: 57.227 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 919415

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

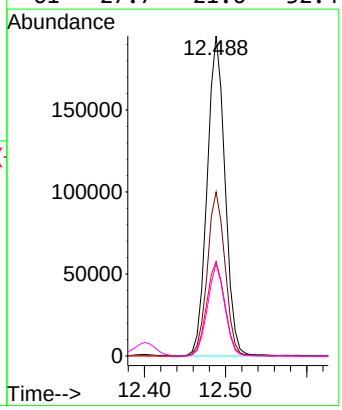


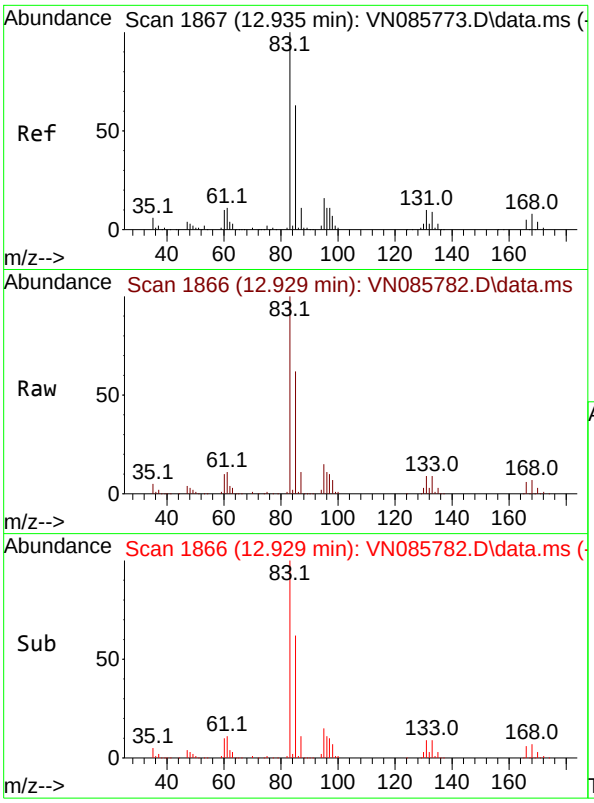


#74
N-amyl acetate
Concen: 52.516 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 43 Resp: 297533

Ion	Ratio	Lower	Upper
43	100		
70	50.7	41.0	61.4
55	30.2	24.6	36.8
61	27.7	21.6	32.4



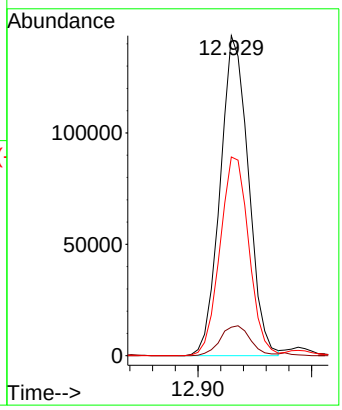


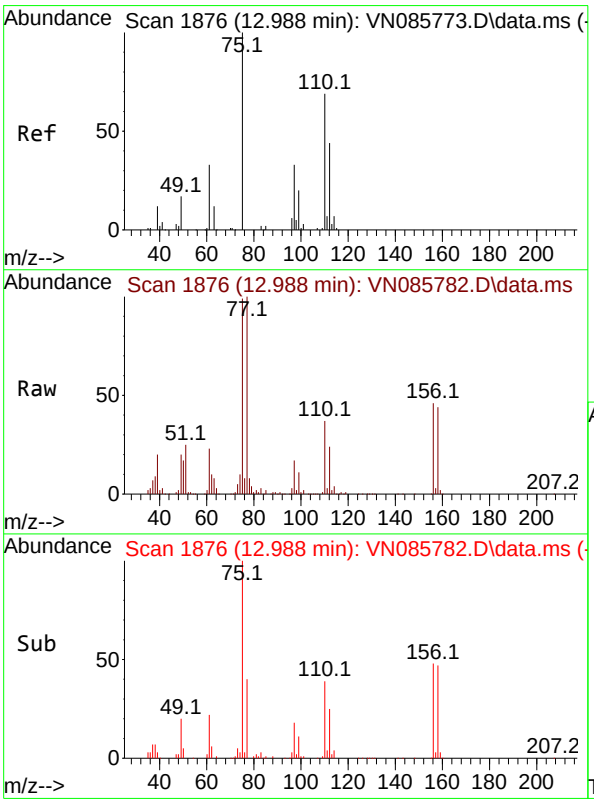
#75
1,1,2,2-Tetrachloroethane
Concen: 44.880 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 248121

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	63.5	32.2	96.6

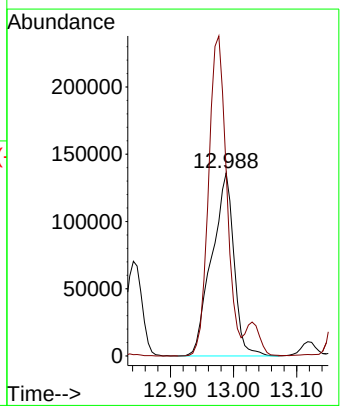


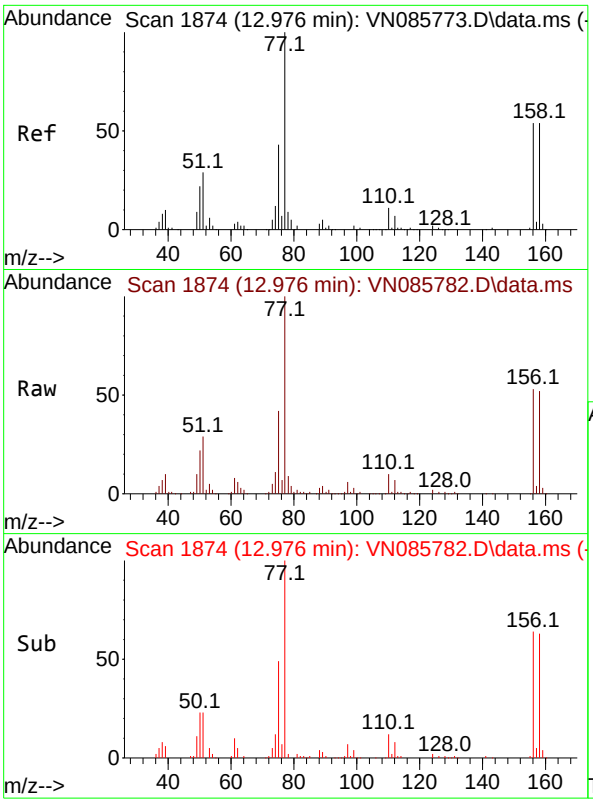


#76
1,2,3-Trichloropropane
Concen: 63.754 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 332107

Ion	Ratio	Lower	Upper
75	100		
77	141.9	100.0	300.0



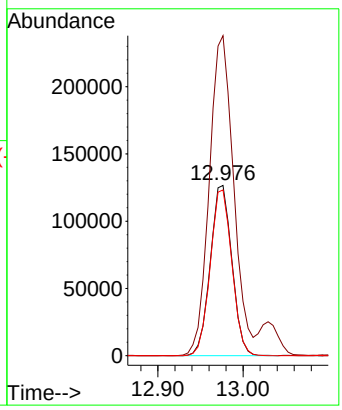


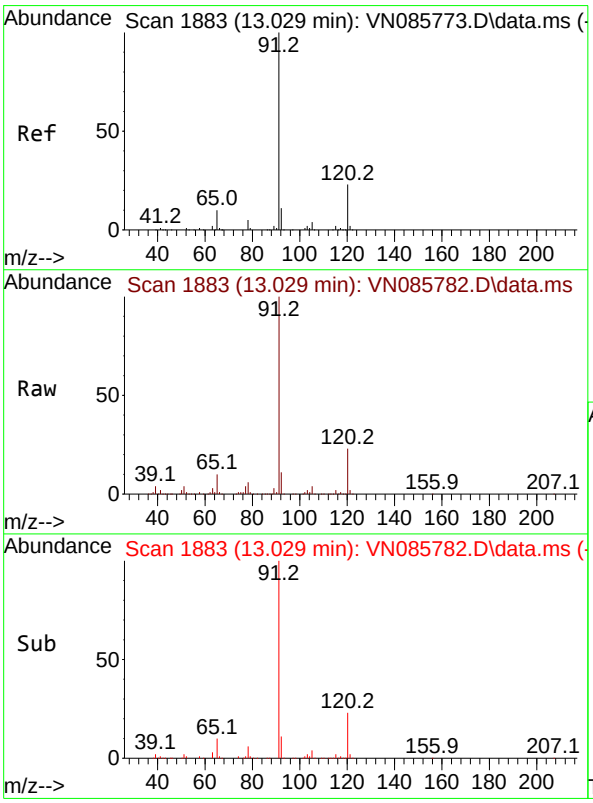
#77
Bromobenzene
Concen: 51.487 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 223481

Ion	Ratio	Lower	Upper
156	100		
77	210.9	104.1	312.3
158	97.5	48.1	144.4

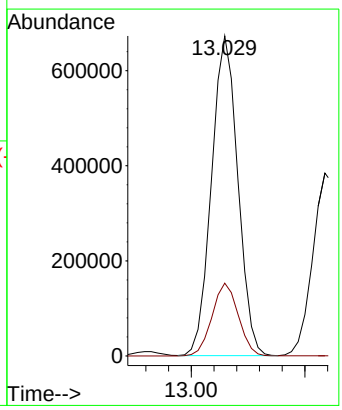


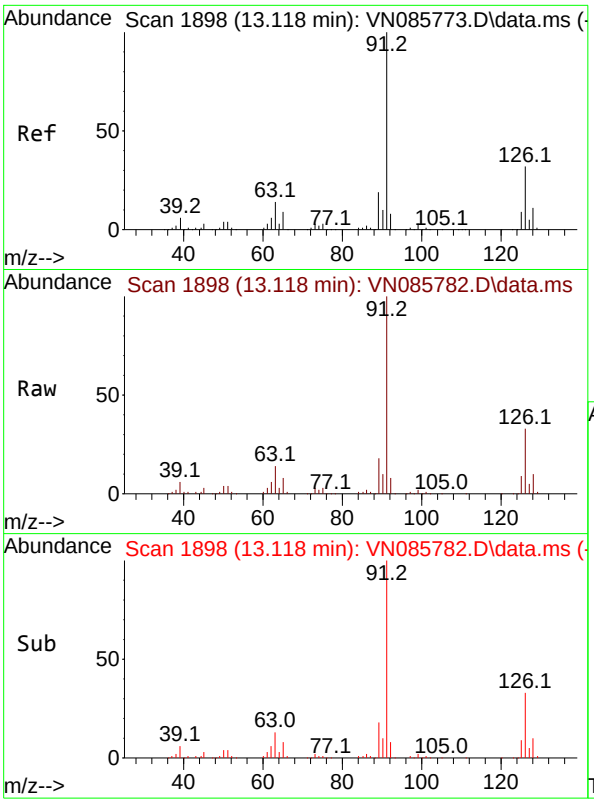


#78
n-propylbenzene
Concen: 58.766 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 91 Resp: 1081269

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8



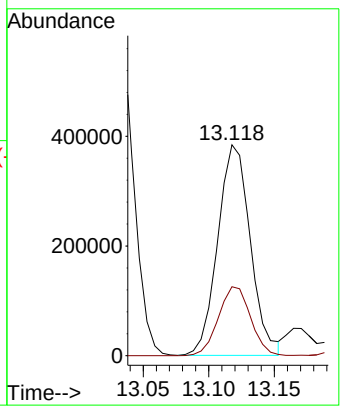


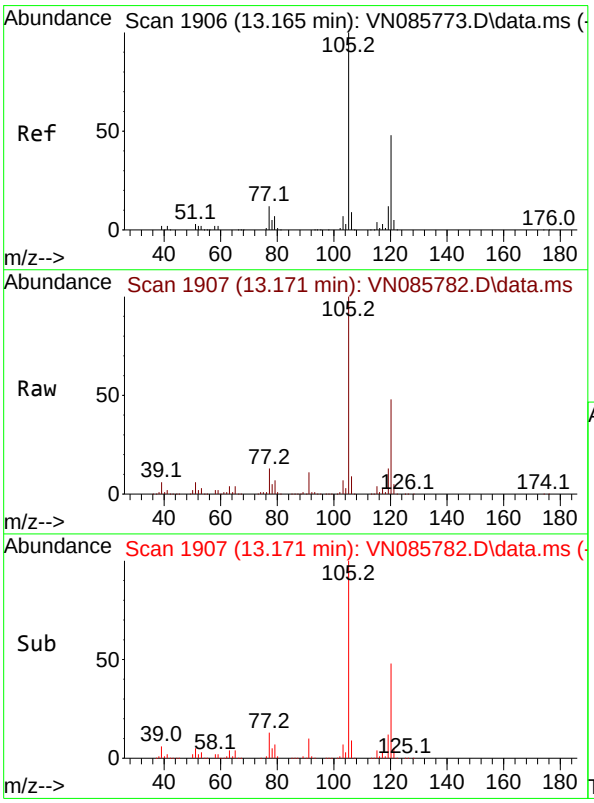
#79
2-Chlorotoluene
Concen: 54.088 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 664931

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1

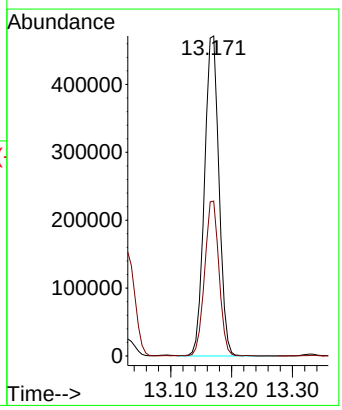


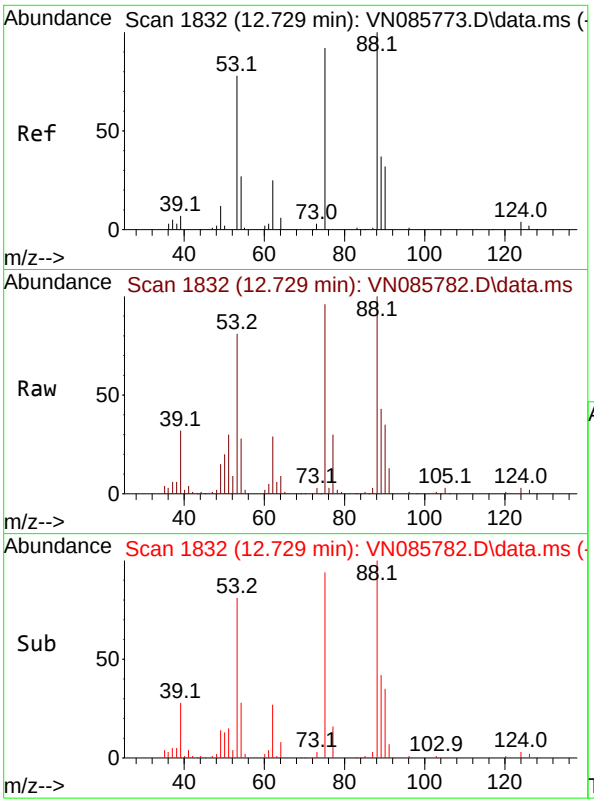


#80
1,3,5-Trimethylbenzene
Concen: 59.635 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:105 Resp: 780468

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	72.9



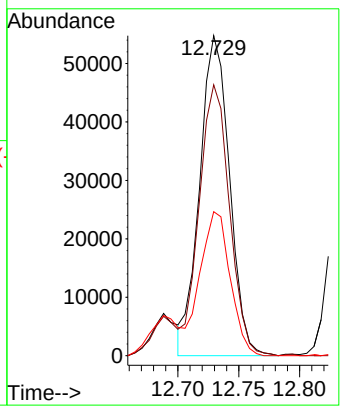


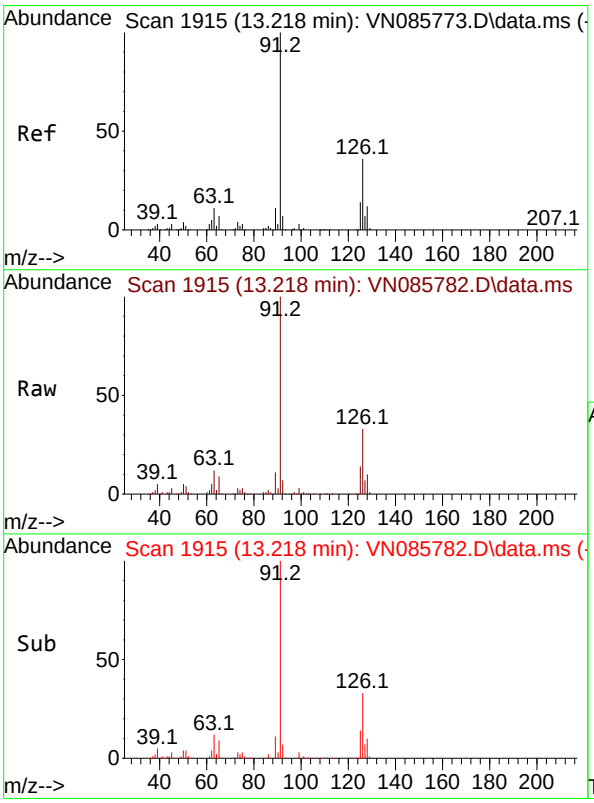
#81
trans-1,4-Dichloro-2-butene
Concen: 52.313 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 93397

Ion	Ratio	Lower	Upper
75	100		
53	86.2	74.2	111.4
89	44.8	34.9	52.3

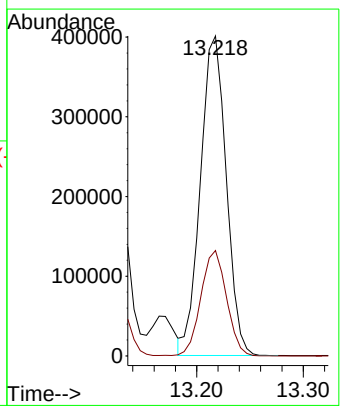


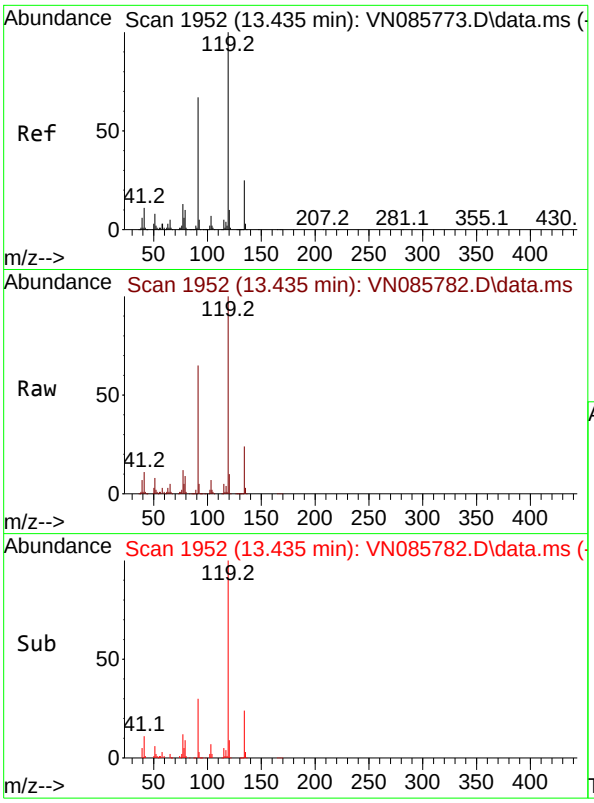


#82
4-Chlorotoluene
Concen: 55.443 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 91 Resp: 675694

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



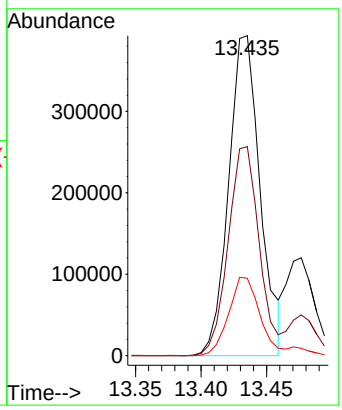


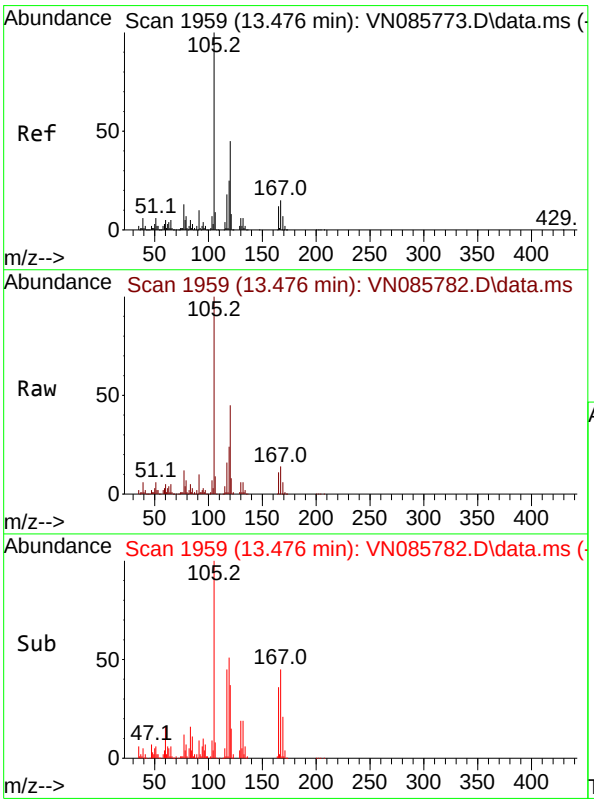
#83
tert-Butylbenzene
Concen: 59.805 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 658173

Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.5	97.5
134	24.4	13.3	39.9

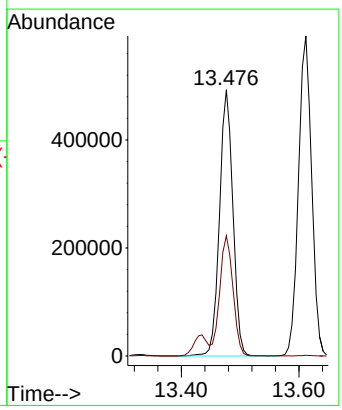


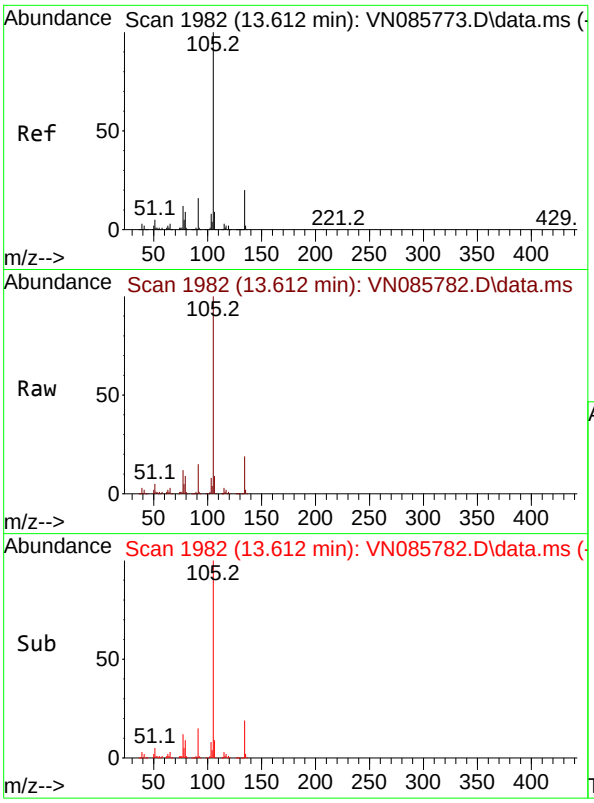


#84
1,2,4-Trimethylbenzene
Concen: 60.149 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:105 Resp: 778821

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3



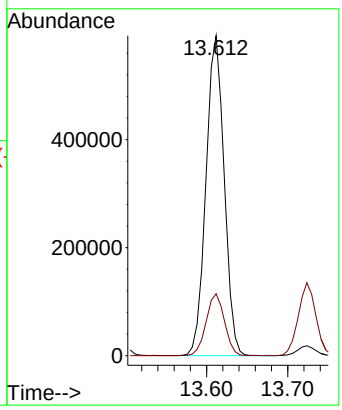


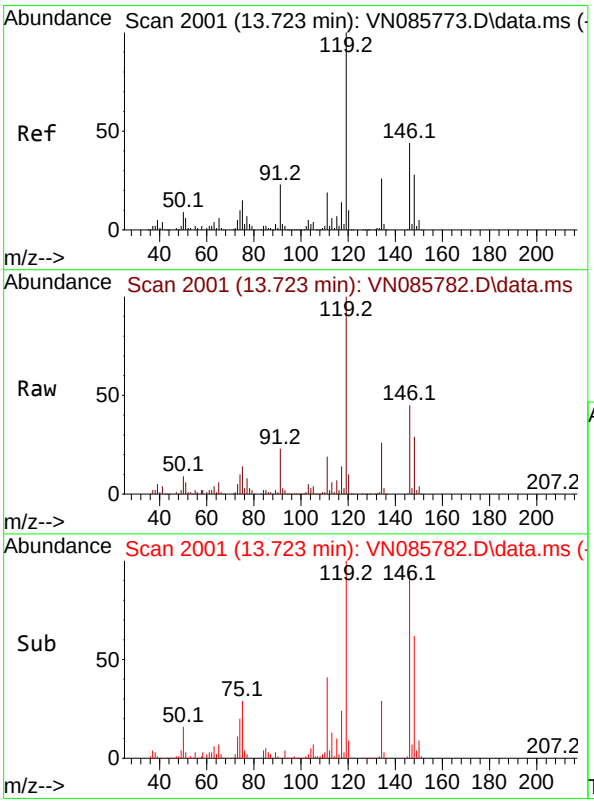
#85
sec-Butylbenzene
Concen: 59.326 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 922480

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

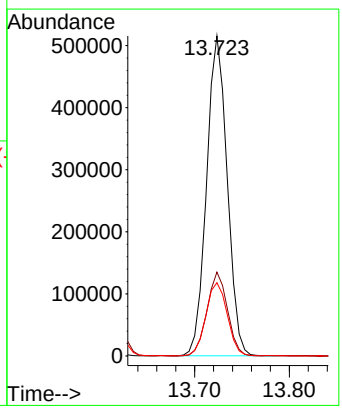


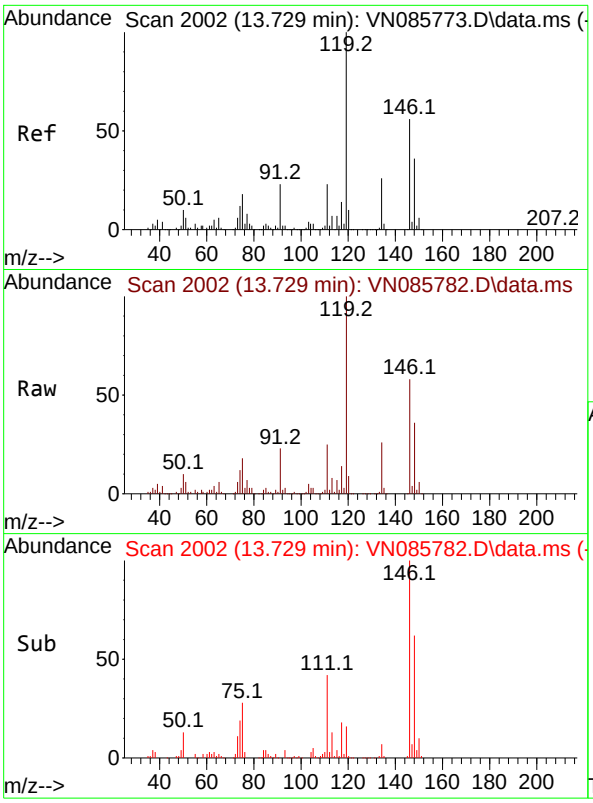


#86
p-Isopropyltoluene
Concen: 54.162 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:119 Resp: 777520

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.6	11.7	35.1



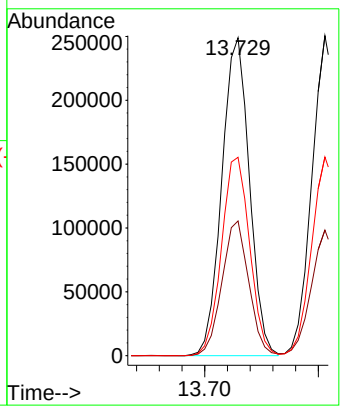


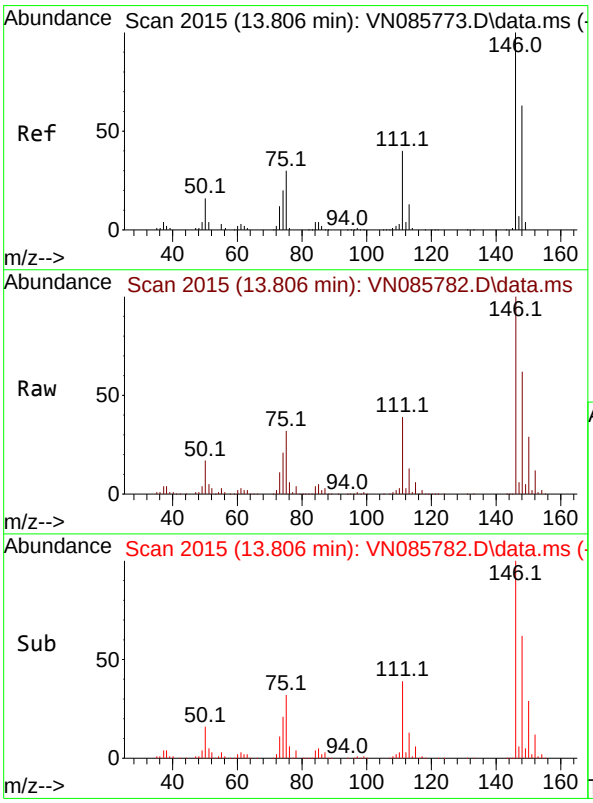
#87
1,3-Dichlorobenzene
Concen: 51.645 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 419991

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	63.7	32.1	96.5

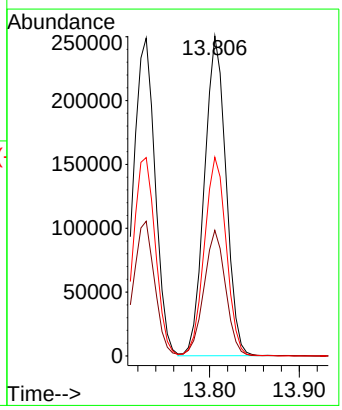


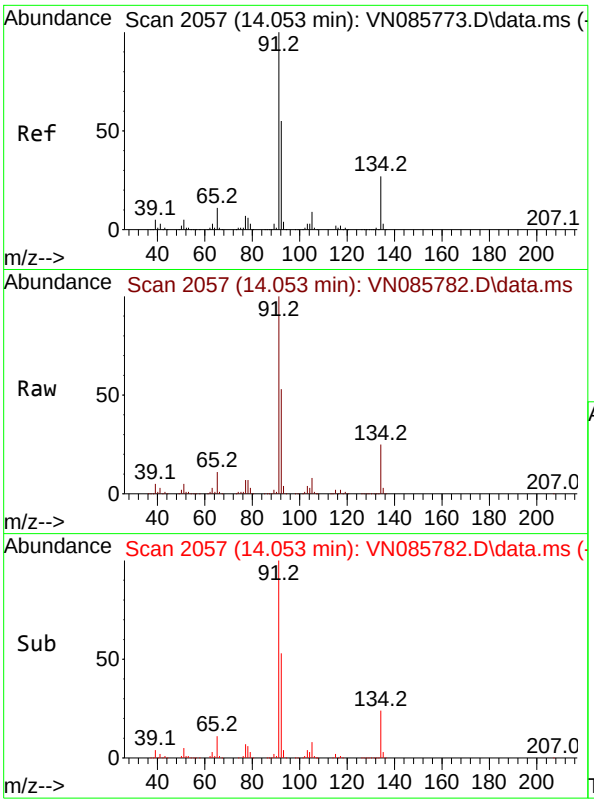


#88
1,4-Dichlorobenzene
Concen: 49.992 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:146 Resp: 416682

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.4	61.3
148	63.5	31.8	95.4



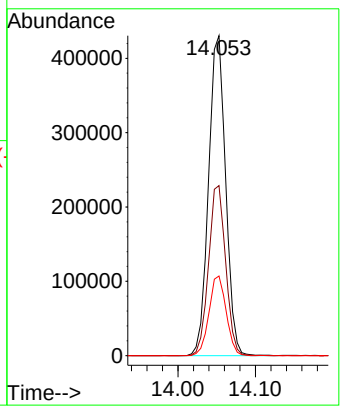


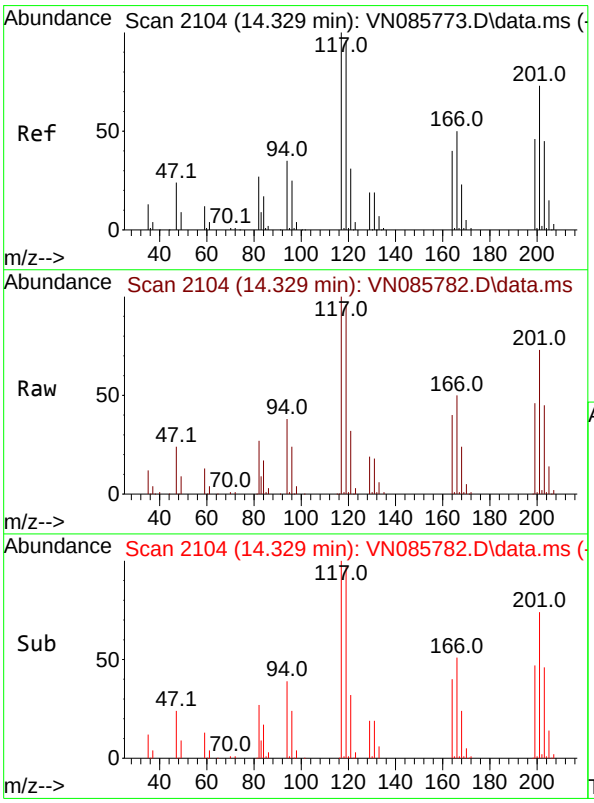
#89
n-Butylbenzene
Concen: 59.684 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 658902

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.1	81.3
134	25.1	12.7	38.1

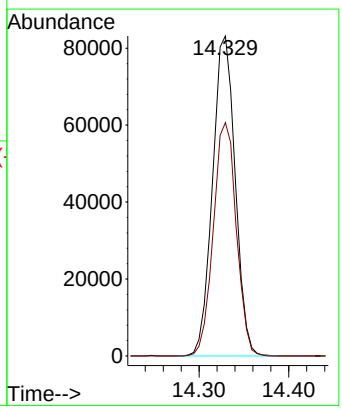


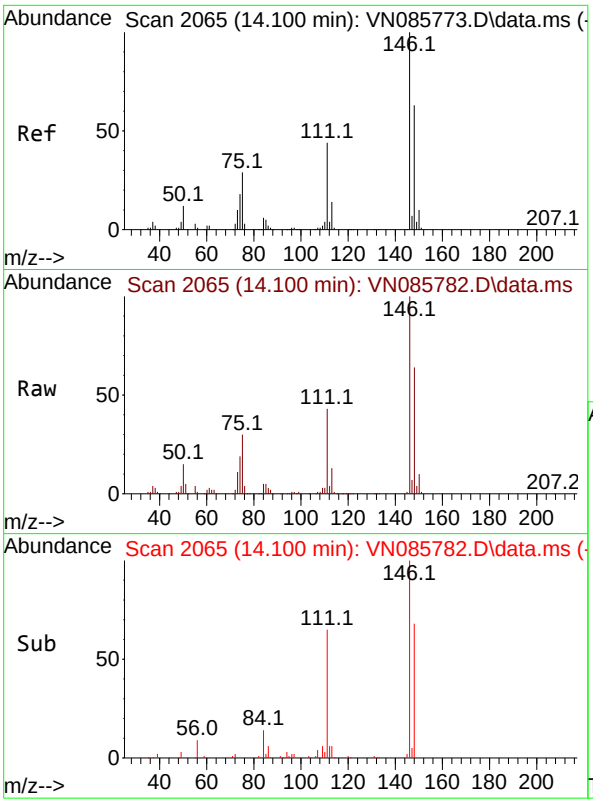


#90
Hexachloroethane
Concen: 49.529 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:117 Resp: 145854

Ion	Ratio	Lower	Upper
117	100		
201	73.9	35.6	106.9



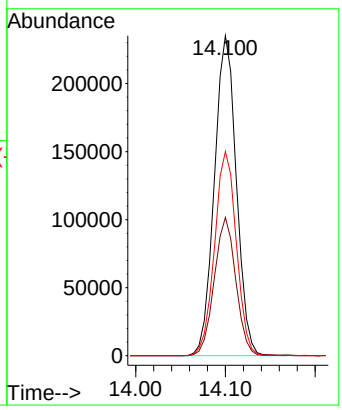


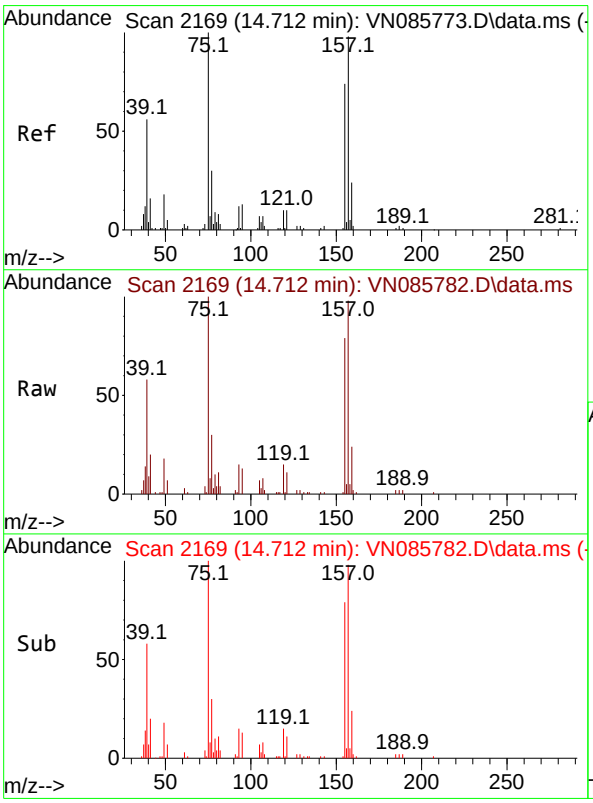
#91
1,2-Dichlorobenzene
Concen: 51.099 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 399598

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	63.4	32.0	96.2

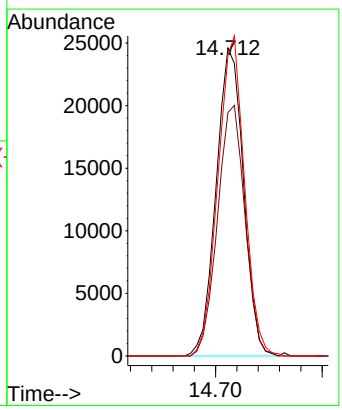


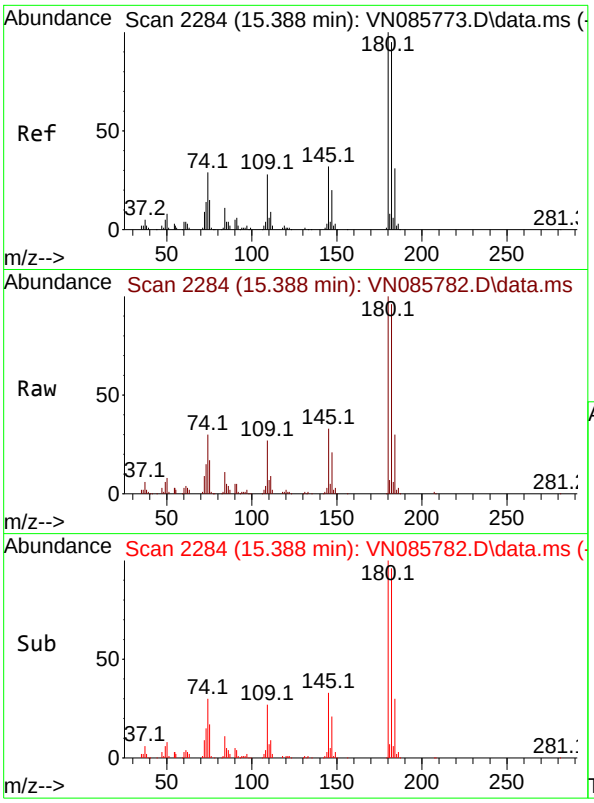


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.220 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion: 75 Resp: 43877

Ion	Ratio	Lower	Upper
75	100		
155	81.5	39.9	119.6
157	100.6	49.9	149.7



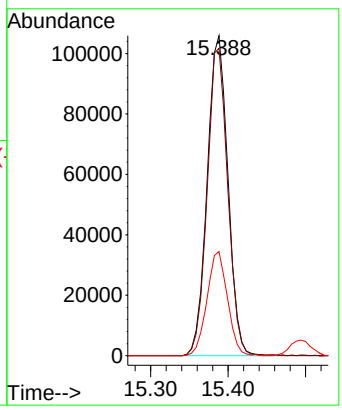


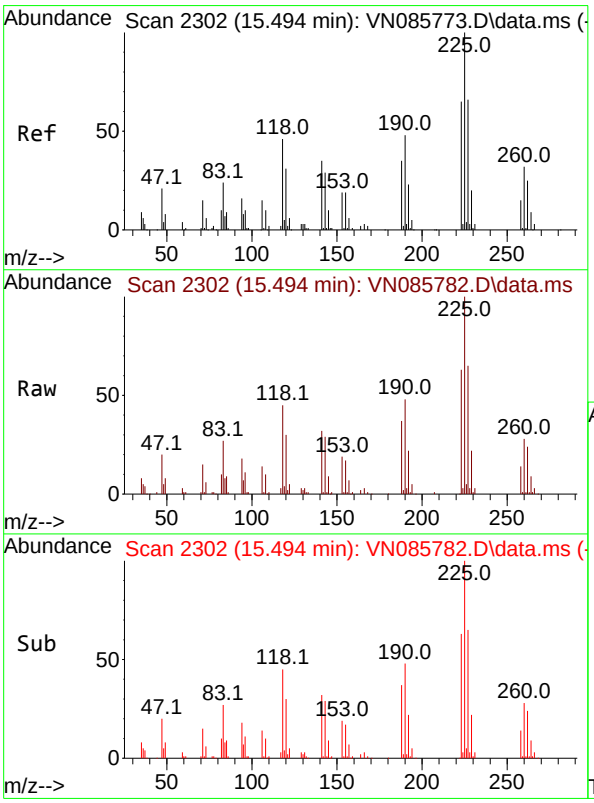
#93
1,2,4-Trichlorobenzene
Concen: 52.761 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 196605

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	32.2	16.2	48.5

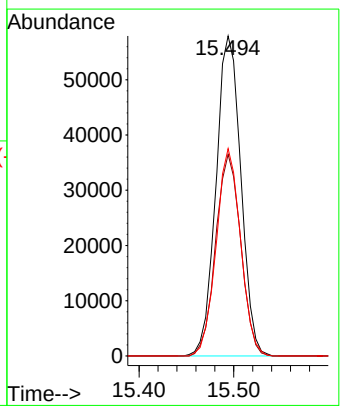


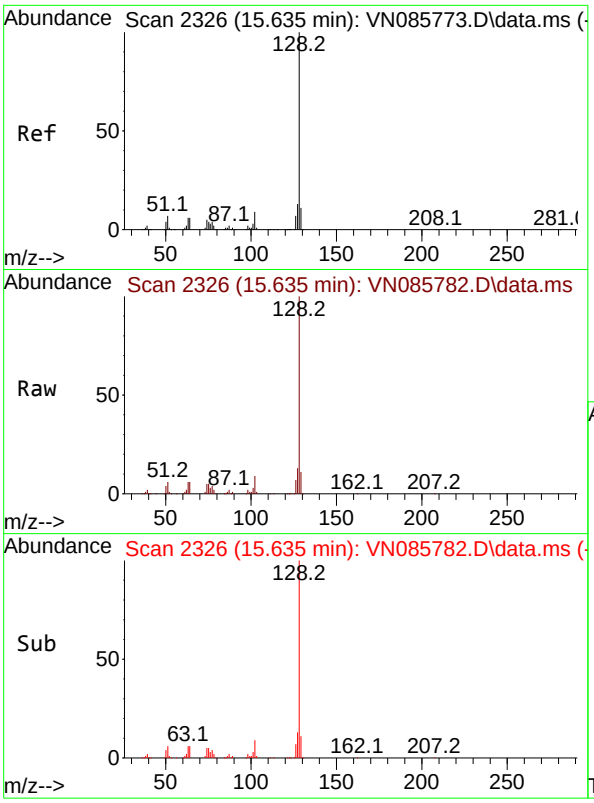


#94
Hexachlorobutadiene
Concen: 46.692 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:225 Resp: 105741

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	63.5	32.2	96.6



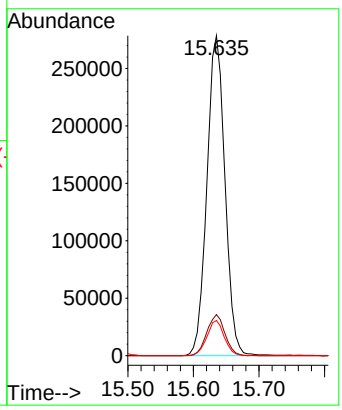


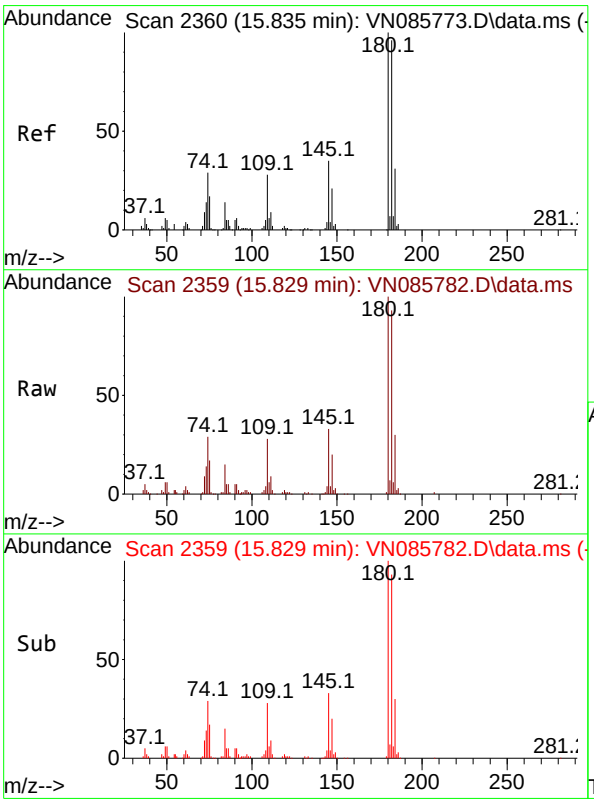
#95
Naphthalene
Concen: 52.080 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 532789

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.7	13.1

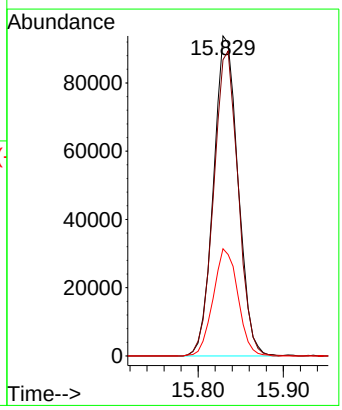




#96
1,2,3-Trichlorobenzene
Concen: 50.111 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN085782.D
Acq: 19 Feb 2025 10:51

Tgt Ion:180 Resp: 187463

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	33.8	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	317605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	521252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	448364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	217012	52.703	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.400%			
35) Dibromofluoromethane	8.159	113	178920	52.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	10.559	98	680181	54.811	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.620%			
62) 4-Bromofluorobenzene	12.841	95	229130	56.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	77696	17.985	ug/l	98
3) Chloromethane	2.365	50	74591	17.207	ug/l	97
4) Vinyl Chloride	2.518	62	79041	17.221	ug/l	95
5) Bromomethane	2.971	94	50468	17.196	ug/l	93
6) Chloroethane	3.130	64	51535	16.951	ug/l	100
7) Trichlorofluoromethane	3.506	101	113556	17.088	ug/l	99
8) Diethyl Ether	3.959	74	37608	17.491	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	67904	17.677	ug/l	98
10) Methyl Iodide	4.589	142	84017	17.744	ug/l	96
11) Tert butyl alcohol	5.506	59	40814	80.590	ug/l	99
12) 1,1-Dichloroethene	4.342	96	60676	17.421	ug/l	91
13) Acrolein	4.177	56	67140	89.399	ug/l	97
14) Allyl chloride	5.024	41	82249	17.986	ug/l	96
15) Acrylonitrile	5.712	53	139892	84.969	ug/l	98
16) Acetone	4.424	43	122165	93.764	ug/l	100
17) Carbon Disulfide	4.712	76	173167	16.776	ug/l	100
18) Methyl Acetate	5.018	43	73093	16.311	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	185025	17.877	ug/l	99
20) Methylene Chloride	5.271	84	70470	16.819	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	63776	17.005	ug/l	99
22) Diisopropyl ether	6.665	45	195801	18.949	ug/l	99
23) Vinyl Acetate	6.594	43	625121	88.357	ug/l	99
24) 1,1-Dichloroethane	6.565	63	124228	17.686	ug/l	99
25) 2-Butanone	7.477	43	171689	89.571	ug/l	99
26) 2,2-Dichloropropane	7.483	77	107312	17.181	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	76419	17.574	ug/l	98
28) Bromochloromethane	7.812	49	54654	18.931	ug/l	96
29) Tetrahydrofuran	7.836	42	109999	88.869	ug/l	98
30) Chloroform	7.965	83	128179	17.462	ug/l	97
31) Cyclohexane	8.253	56	102328	17.399	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	113950	17.453	ug/l	96
36) 1,1-Dichloropropene	8.365	75	87987	18.227	ug/l	99
37) Ethyl Acetate	7.553	43	67250	16.929	ug/l #	79
38) Carbon Tetrachloride	8.359	117	100587	17.537	ug/l	97
39) Methylcyclohexane	9.600	83	88477	18.657	ug/l	98
40) Benzene	8.600	78	280766	18.147	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	39017	18.373	ug/l		99
42) 1,2-Dichloroethane	8.665	62	89245	17.709	ug/l		100
43) Isopropyl Acetate	8.683	43	120724	16.955	ug/l		99
44) Trichloroethene	9.347	130	65573	17.262	ug/l		99
45) 1,2-Dichloropropane	9.618	63	66592	17.831	ug/l		98
46) Dibromomethane	9.706	93	47875	18.174	ug/l		99
47) Bromodichloromethane	9.882	83	99356	17.629	ug/l		98
48) Methyl methacrylate	9.677	41	52986	17.960	ug/l		98
49) 1,4-Dioxane	9.688	88	19426	346.260	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	341491	89.161	ug/l		99
52) Toluene	10.624	92	171977	18.963	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	96745	18.564	ug/l		93
54) cis-1,3-Dichloropropene	10.306	75	105862	18.525	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	64242	17.816	ug/l		95
56) Ethyl methacrylate	10.871	69	85337	18.049	ug/l		97
57) 1,3-Dichloropropane	11.159	76	106816	17.745	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	201570	116.421	ug/l		99
59) 2-Hexanone	11.188	43	247868	94.072	ug/l		99
60) Dibromochloromethane	11.353	129	76437	18.204	ug/l		97
61) 1,2-Dibromoethane	11.465	107	61951	18.184	ug/l		99
64) Tetrachloroethene	11.100	164	62687	18.047	ug/l		96
65) Chlorobenzene	11.882	112	184006	17.914	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.953	131	66036	17.887	ug/l		99
67) Ethyl Benzene	11.959	91	302618	18.808	ug/l		99
68) m/p-Xylenes	12.065	106	237487	38.858	ug/l		100
69) o-Xylene	12.394	106	110947	19.104	ug/l		98
70) Styrene	12.406	104	186581	18.723	ug/l		100
71) Bromoform	12.570	173	50314	18.341	ug/l	#	95
73) Isopropylbenzene	12.688	105	276962	18.836	ug/l		99
74) N-amyl acetate	12.488	43	93083	17.952	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	83784	16.559	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	108898	22.841	ug/l		61
77) Bromobenzene	12.976	156	72364	18.216	ug/l		98
78) n-propylbenzene	13.029	91	334808	19.882	ug/l		100
79) 2-Chlorotoluene	13.118	91	209179	18.592	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	237981	19.868	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	27278	16.694	ug/l		97
82) 4-Chlorotoluene	13.218	91	211210	18.936	ug/l		100
83) tert-Butylbenzene	13.435	119	196815	19.540	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	238828	20.154	ug/l		99
85) sec-Butylbenzene	13.612	105	279259	19.623	ug/l		99
86) p-Isopropyltoluene	13.723	119	232973	19.175	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	132661	17.824	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	133326	17.478	ug/l		98
89) n-Butylbenzene	14.053	91	189182	18.724	ug/l		98
90) Hexachloroethane	14.329	117	46657	17.311	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	125196	17.493	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14872	16.006	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	59852	17.550	ug/l		100
94) Hexachlorobutadiene	15.494	225	35118	16.944	ug/l		99
95) Naphthalene	15.635	128	150740	16.100	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	58155	16.986	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

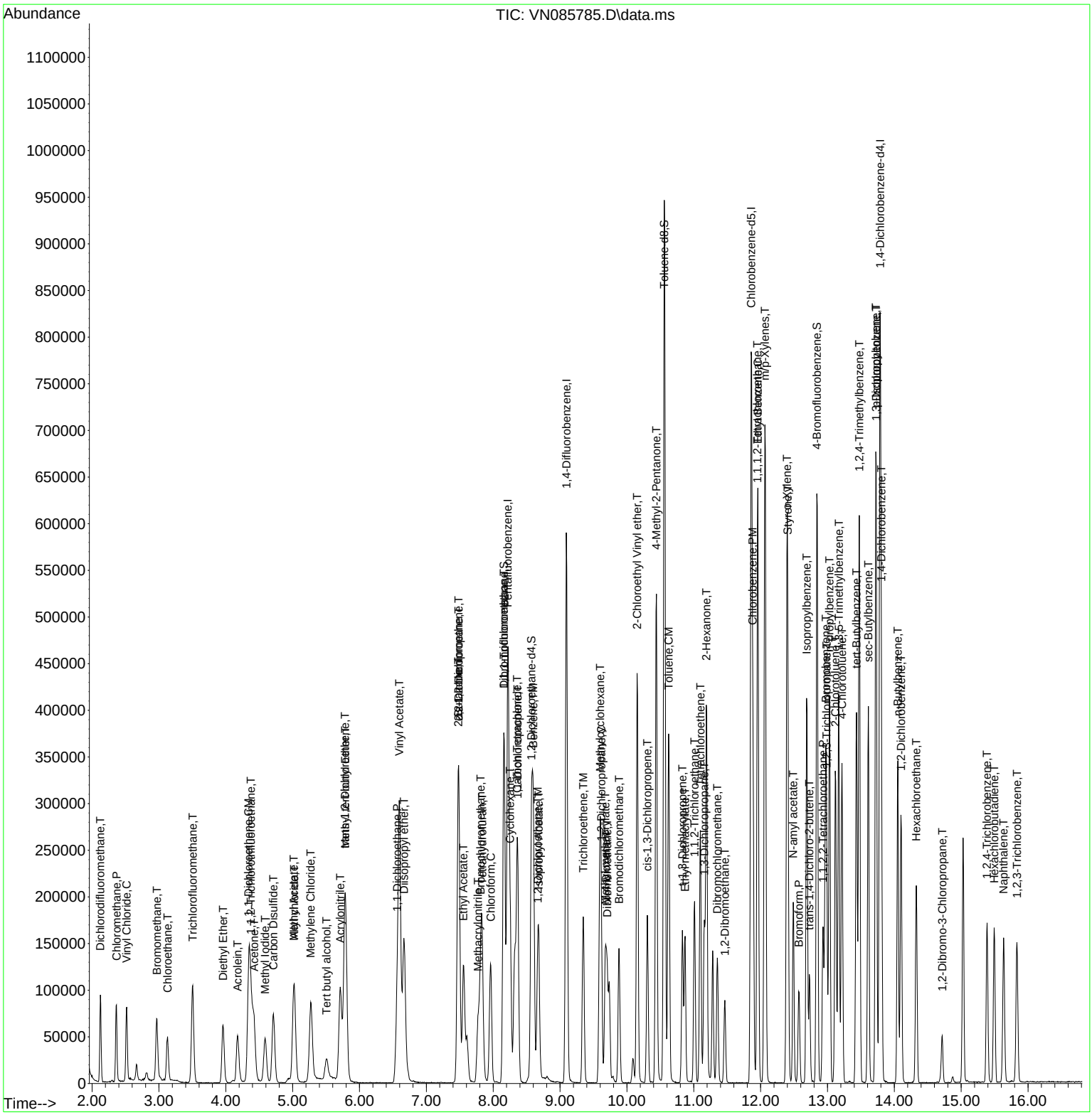
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

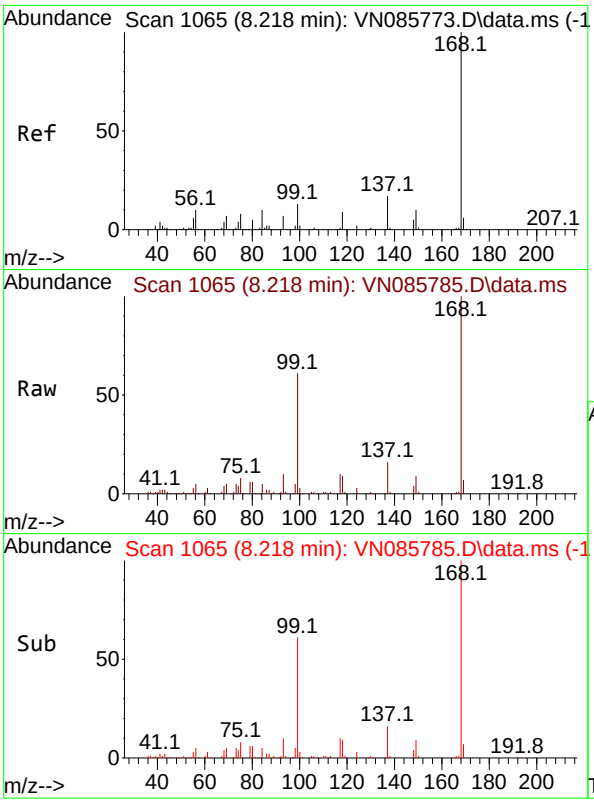
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085785.D
Acq On : 19 Feb 2025 12:49
Operator : JC\MD
Sample : VN0219WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Quant Time: Feb 20 00:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



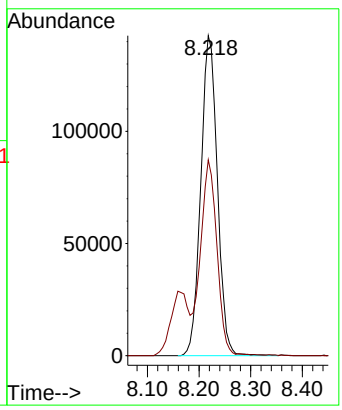


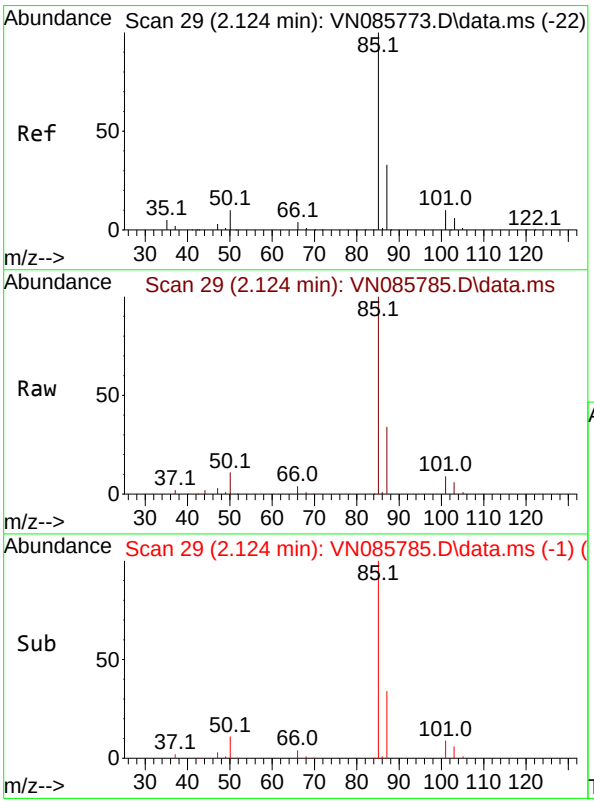
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:168 Resp: 317605

Ion	Ratio	Lower	Upper
168	100		
99	61.1	47.9	71.9

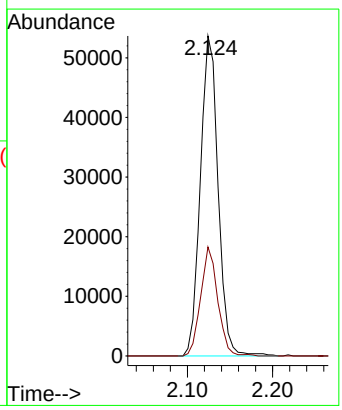


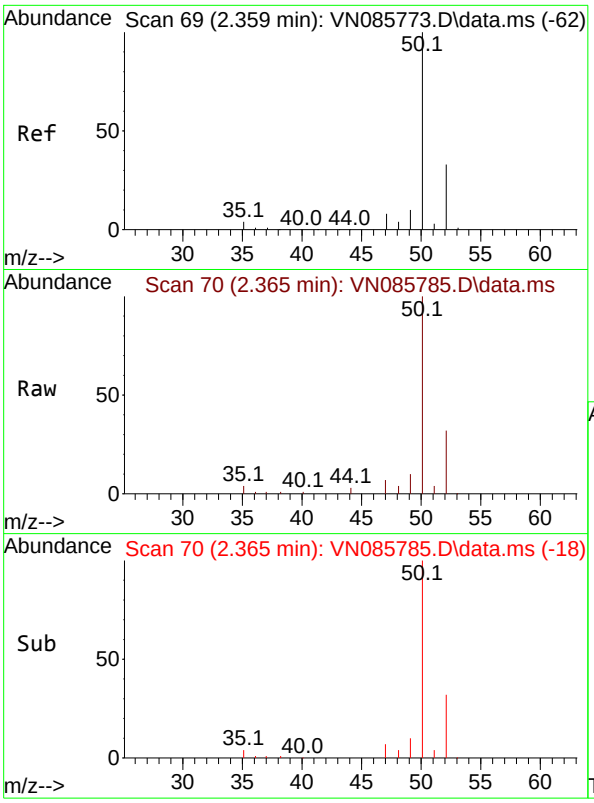


#2
Dichlorodifluoromethane
Concen: 17.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 85 Resp: 77696

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.4	49.2



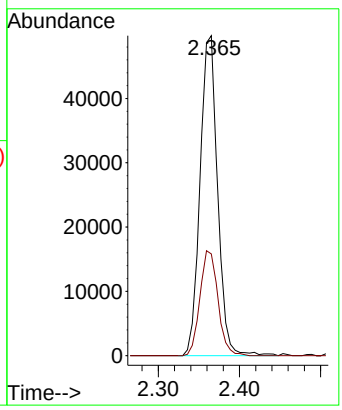


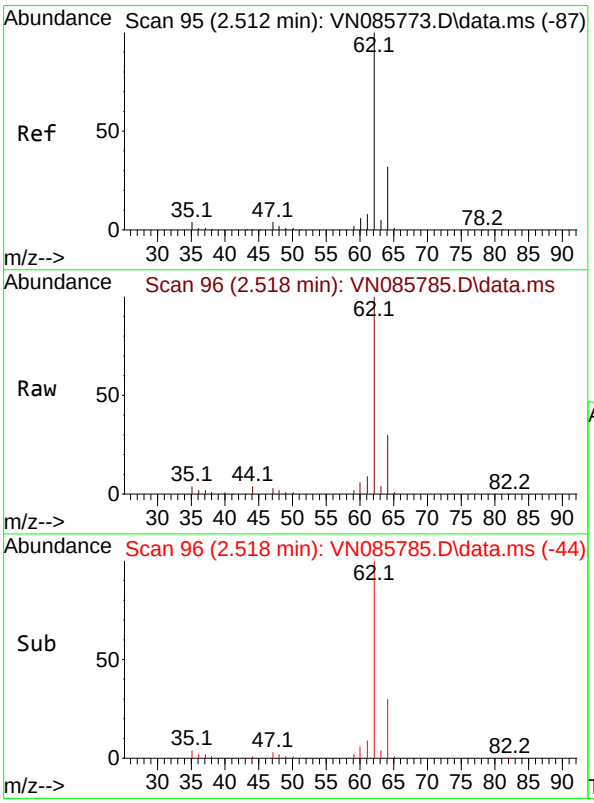
#3
Chloromethane
Concen: 17.207 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 50 Resp: 74591

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.7	40.1

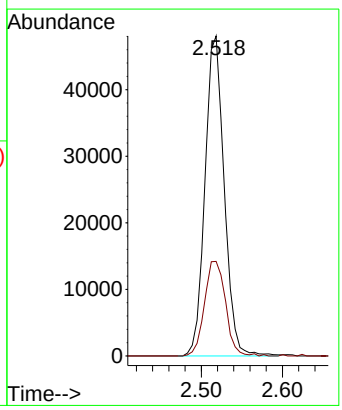


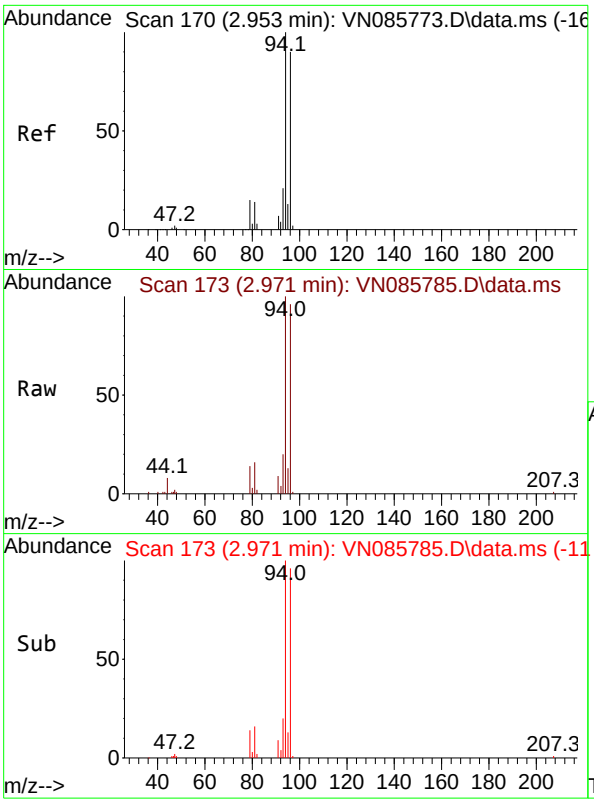


#4
Vinyl Chloride
Concen: 17.221 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 62 Resp: 79041

Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.9	38.9



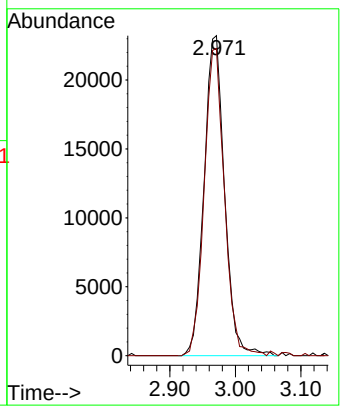


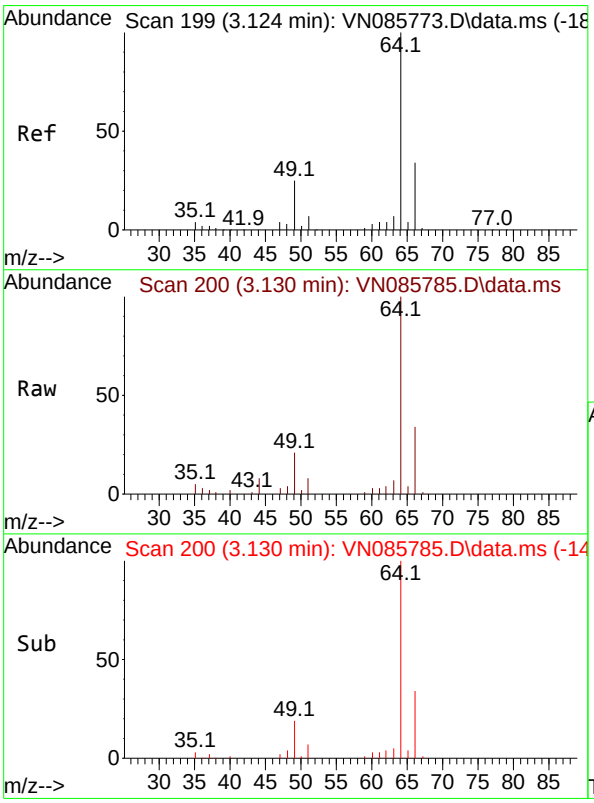
#5
Bromomethane
Concen: 17.196 ug/l
RT: 2.971 min Scan# 1
Delta R.T. 0.018 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 94 Resp: 50468

Ion	Ratio	Lower	Upper
94	100		
96	96.0	71.7	107.5

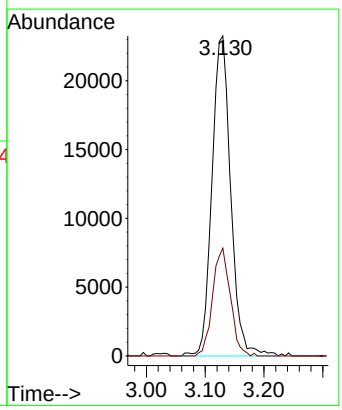


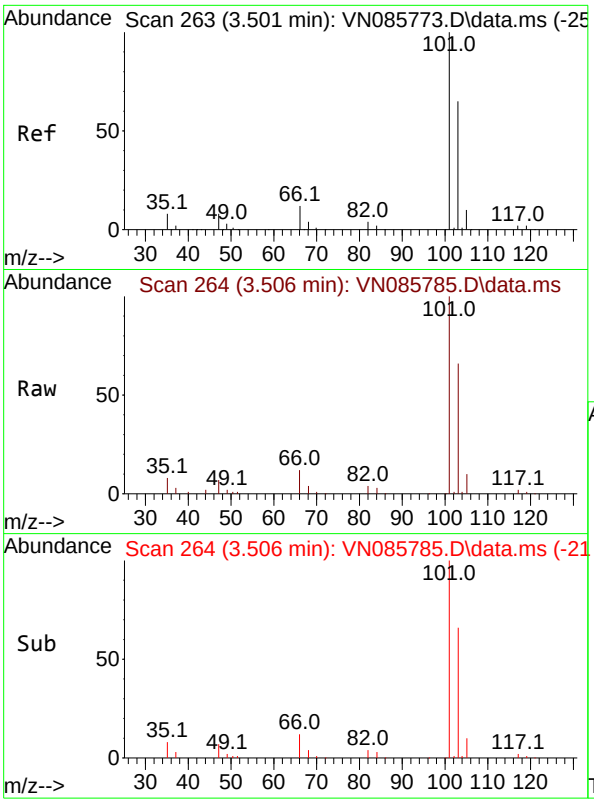


#6
Chloroethane
Concen: 16.951 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 64 Resp: 51535

Ion	Ratio	Lower	Upper
64	100		
66	33.7	27.0	40.6



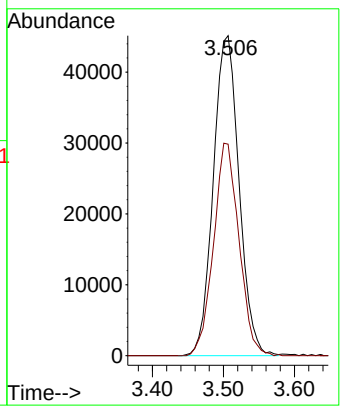


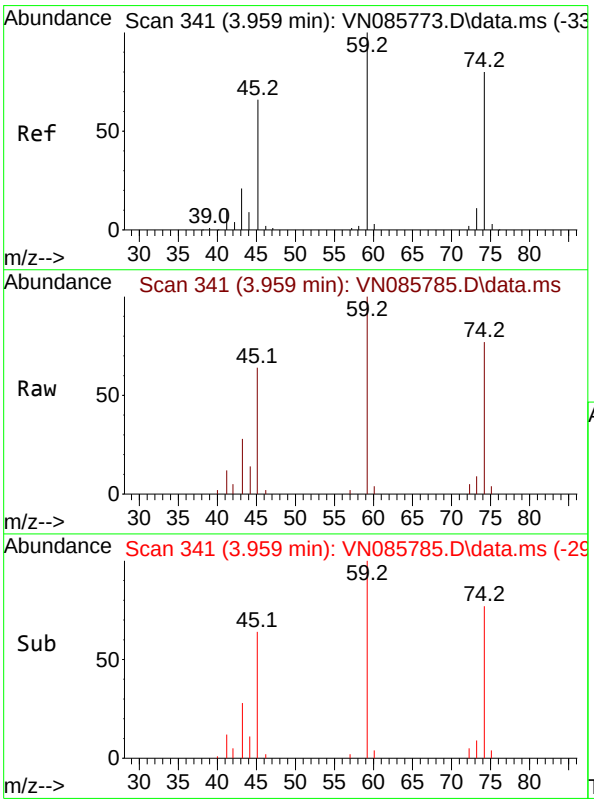
#7
Trichlorofluoromethane
Concen: 17.088 ug/l
RT: 3.506 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:101 Resp: 113556

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.2	78.4

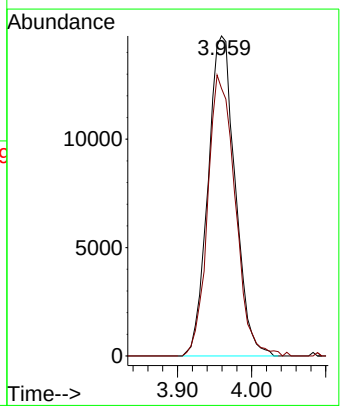


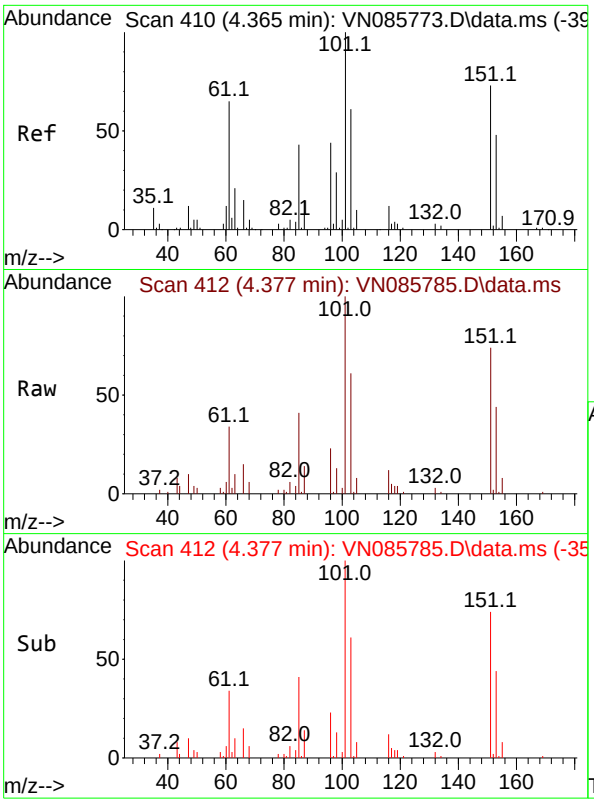


#8
Diethyl Ether
Concen: 17.491 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 74 Resp: 37608

Ion	Ratio	Lower	Upper
74	100		
45	88.8	42.5	127.6



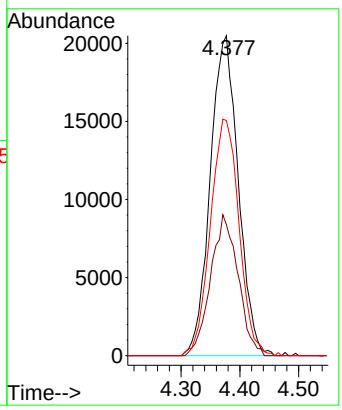


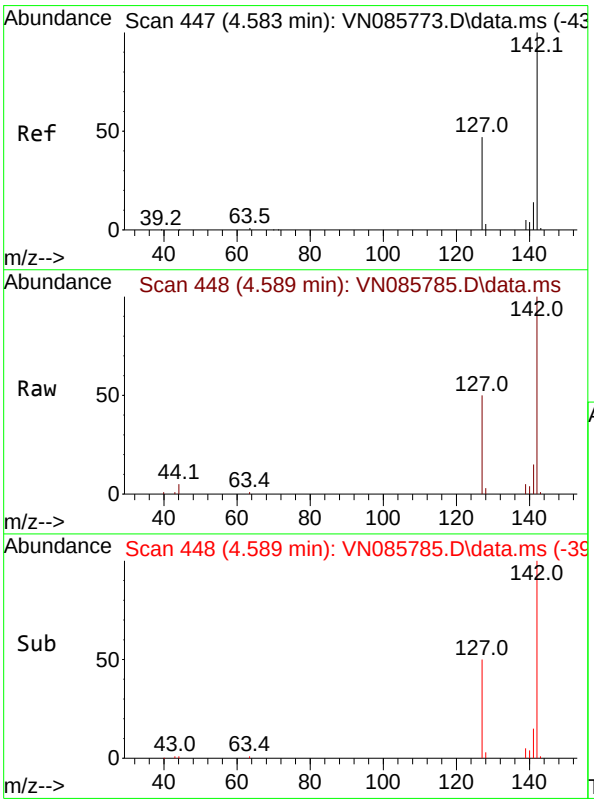
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.677 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:101 Resp: 67904

Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.7	53.5
151	75.3	61.4	92.2

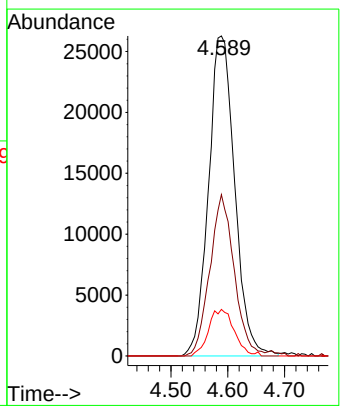


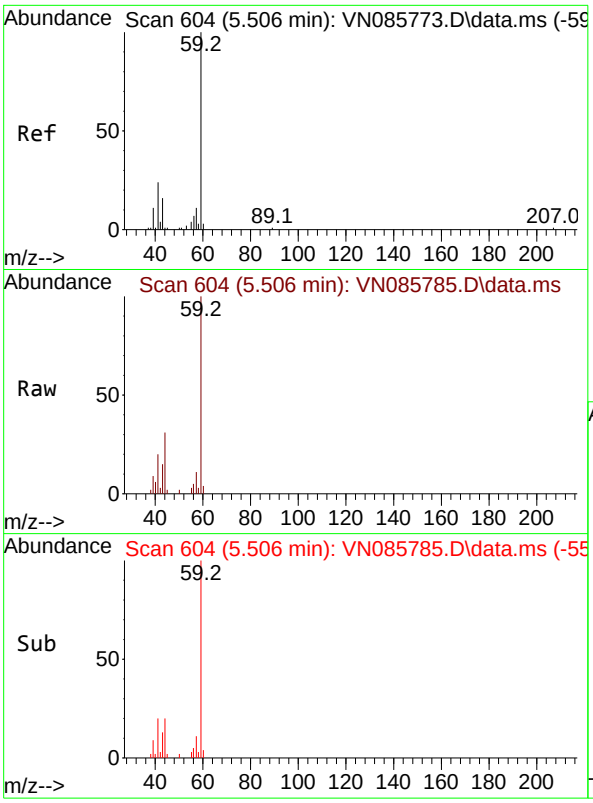


#10
Methyl Iodide
Concen: 17.744 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:142 Resp: 84017

Ion	Ratio	Lower	Upper
142	100		
127	50.4	37.6	56.4
141	14.5	11.4	17.2



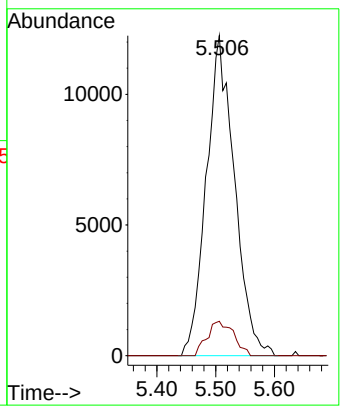


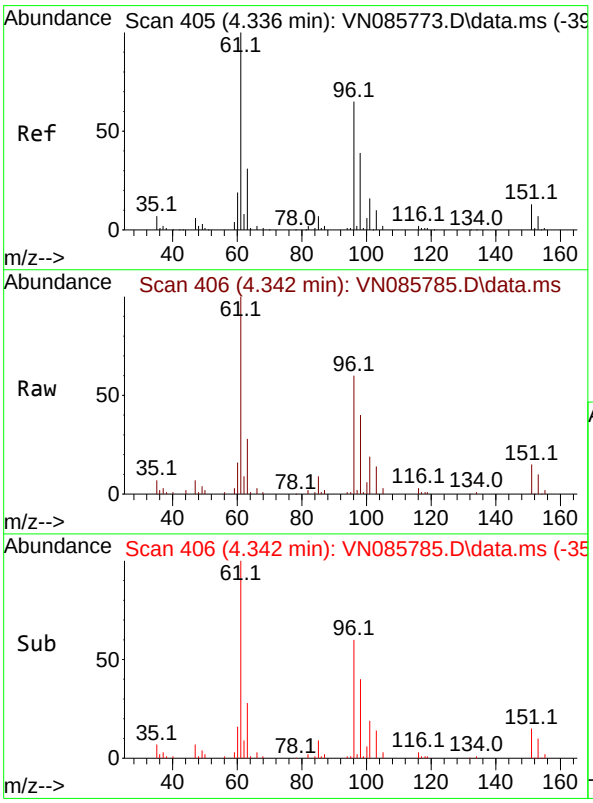
#11
Tert butyl alcohol
Concen: 80.590 ug/l
RT: 5.506 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 59 Resp: 40814

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

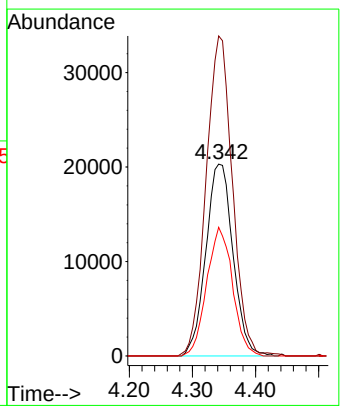


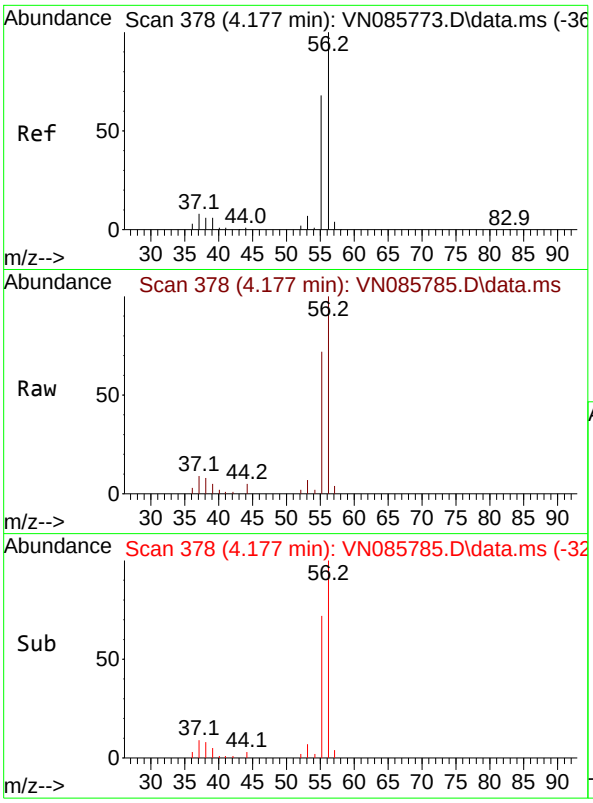


#12
1,1-Dichloroethene
Concen: 17.421 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 96 Resp: 60676

Ion	Ratio	Lower	Upper
96	100		
61	166.7	123.3	184.9
98	67.0	48.6	72.8



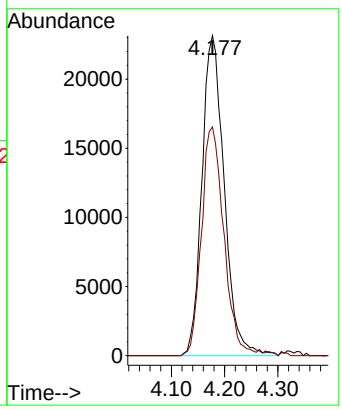


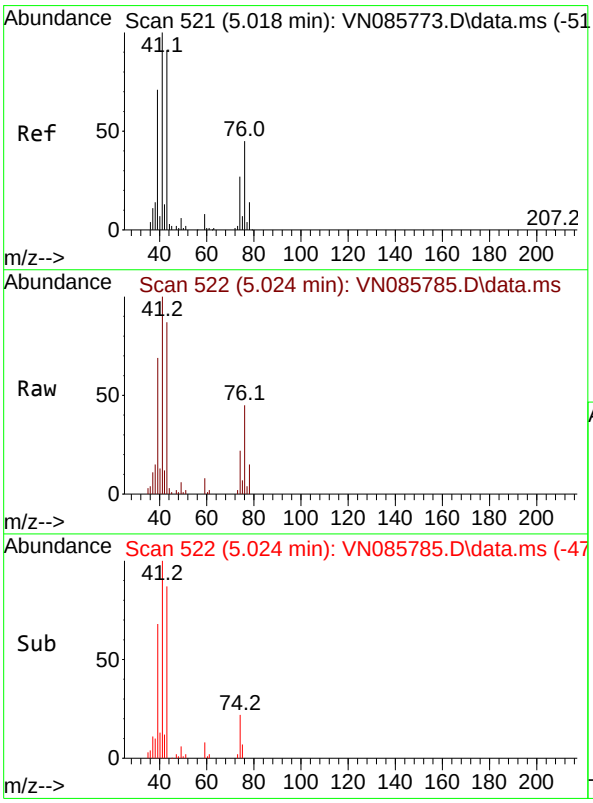
#13
Acrolein
Concen: 89.399 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 56 Resp: 67140

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.3	82.9

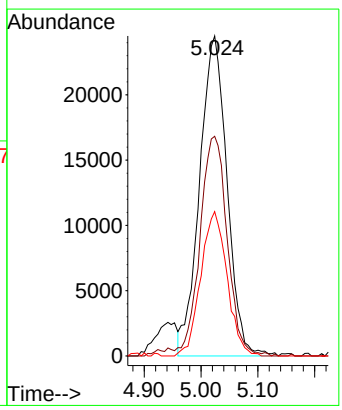


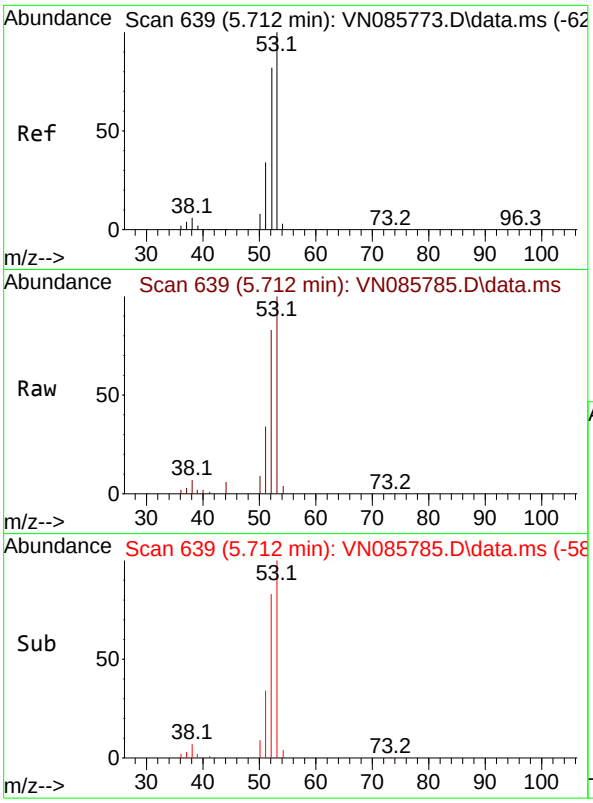


#14
Allyl chloride
Concen: 17.986 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 41 Resp: 82249

Ion	Ratio	Lower	Upper
41	100		
39	68.1	57.4	86.2
76	43.3	36.2	54.2



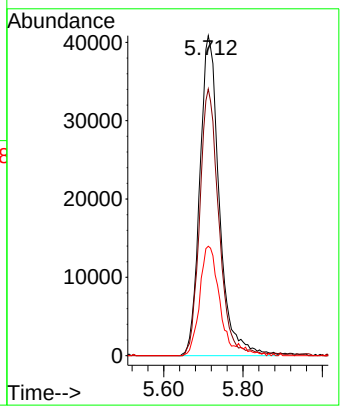


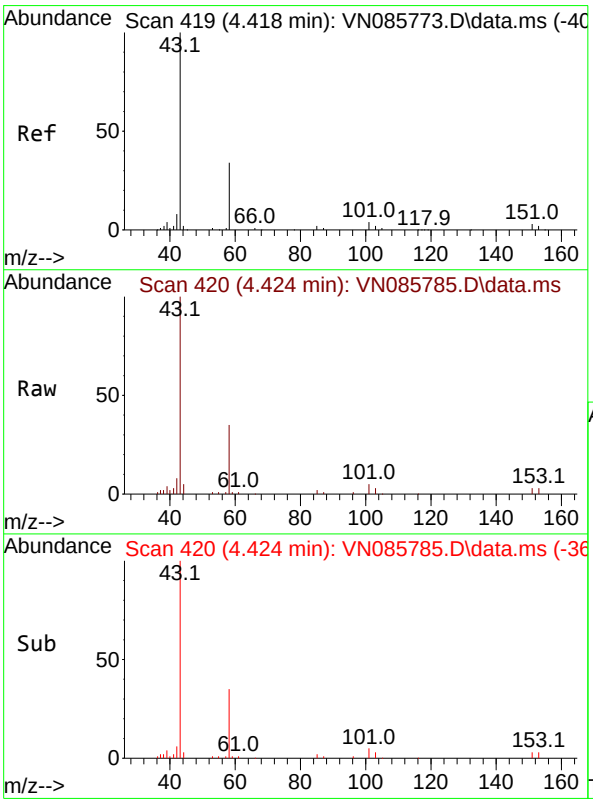
#15
Acrylonitrile
Concen: 84.969 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 53 Resp: 139892

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.8	98.6
51	34.0	28.6	42.8

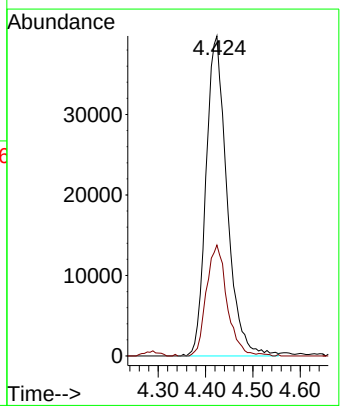


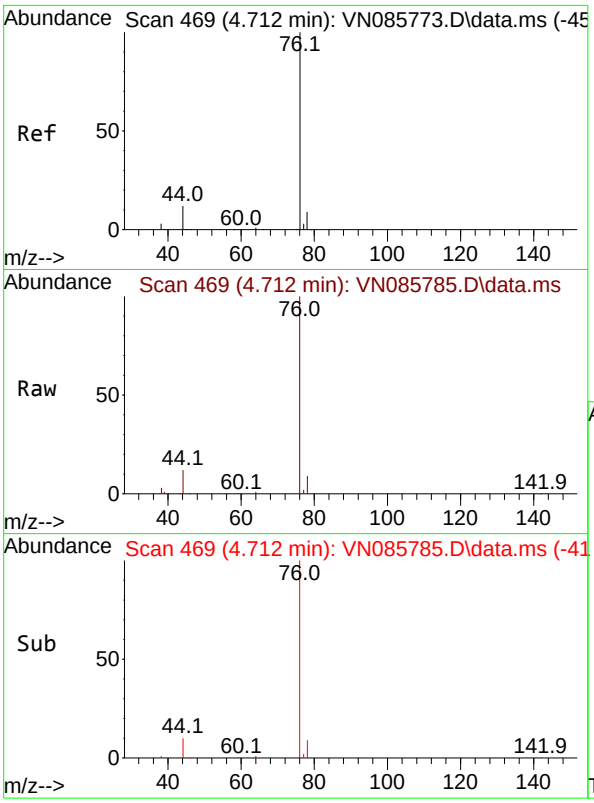


#16
Acetone
Concen: 93.764 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 122165

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.5	41.3



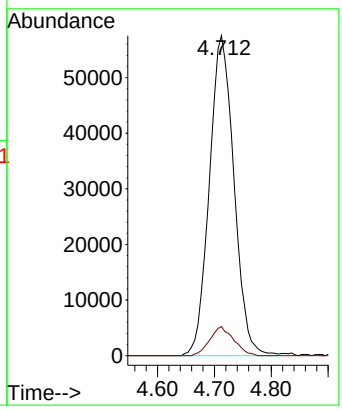


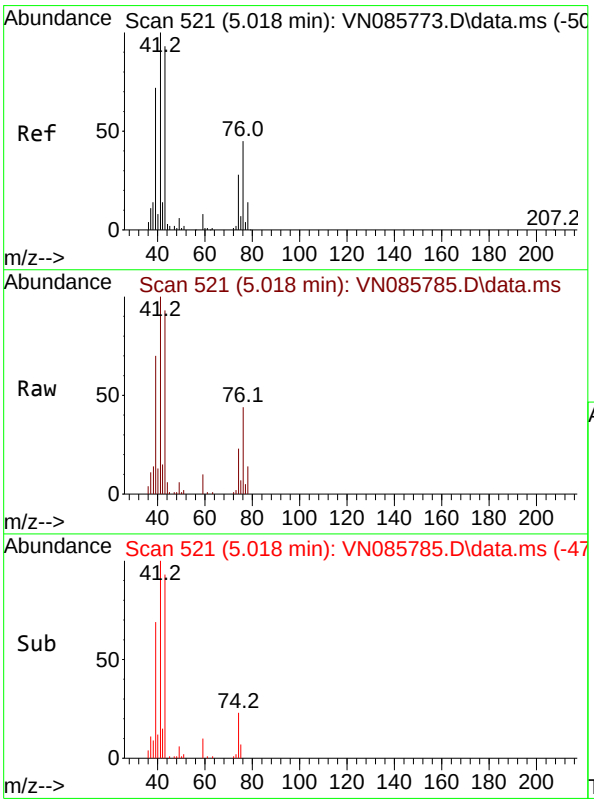
#17
Carbon Disulfide
Concen: 16.776 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 76 Resp: 173167

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

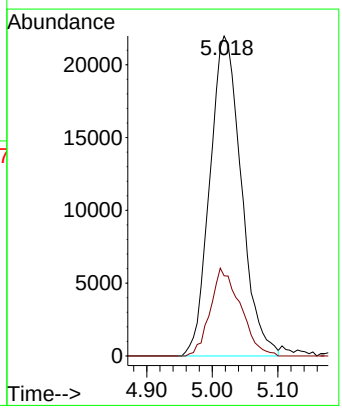


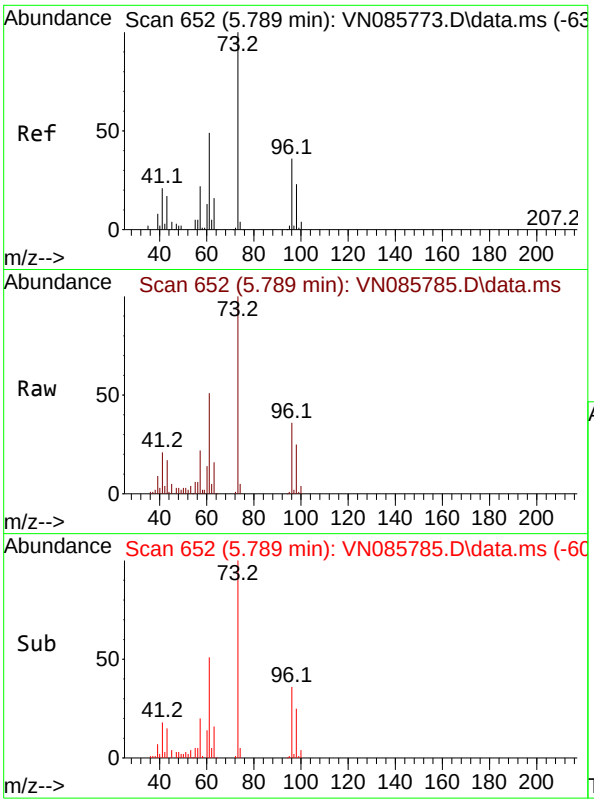


#18
Methyl Acetate
Concen: 16.311 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 73093

Ion	Ratio	Lower	Upper
43	100		
74	26.3	22.2	33.4



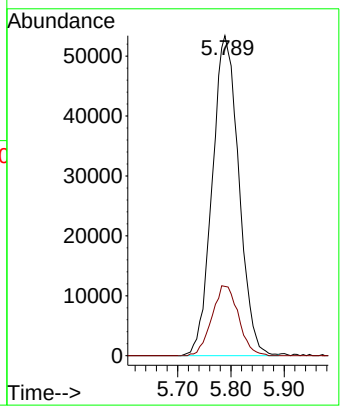


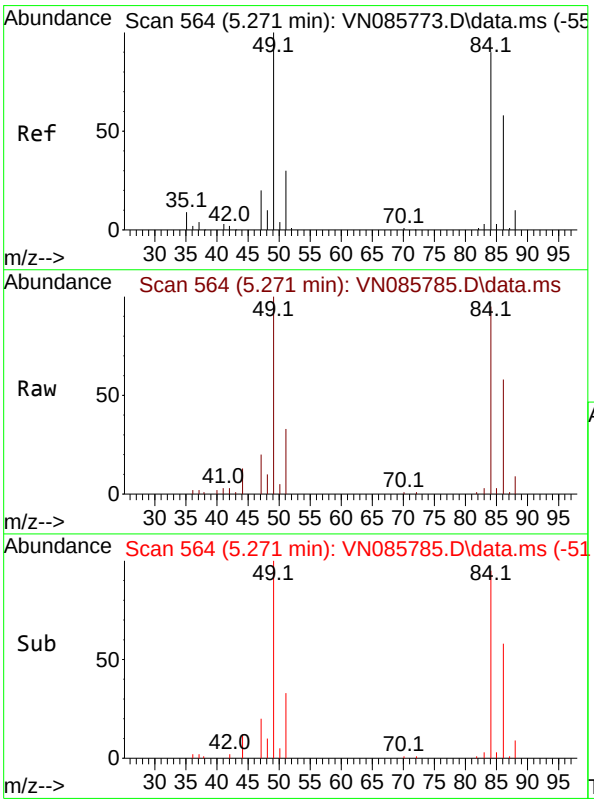
#19
Methyl tert-butyl Ether
Concen: 17.877 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 73 Resp: 185025

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4

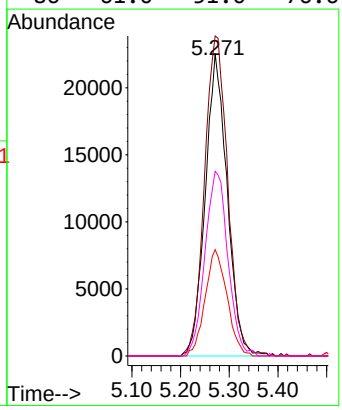


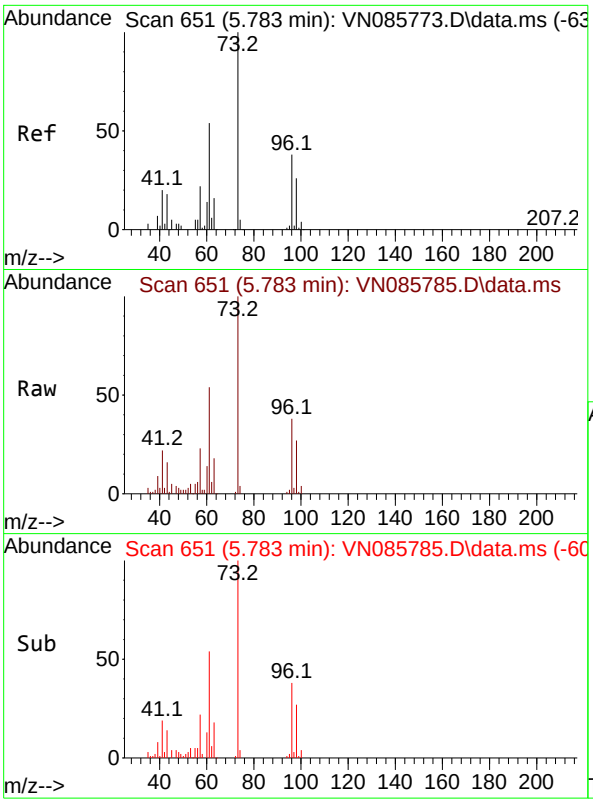


#20
Methylene Chloride
Concen: 16.819 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 84 Resp: 70470

Ion	Ratio	Lower	Upper
84	100		
49	105.8	88.4	132.6
51	35.1	26.6	40.0
86	61.0	51.0	76.6



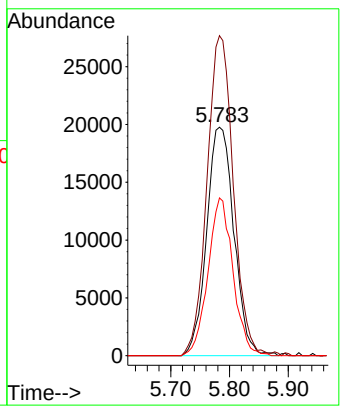


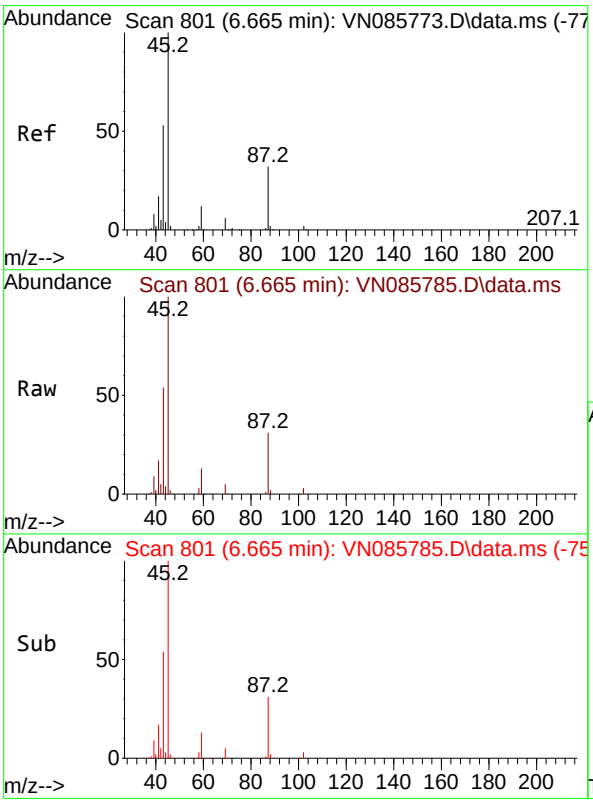
#21
trans-1,2-Dichloroethene
Concen: 17.005 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 96 Resp: 63776

Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.6	168.8
98	69.0	53.3	79.9

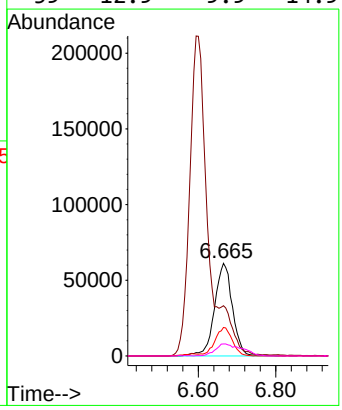


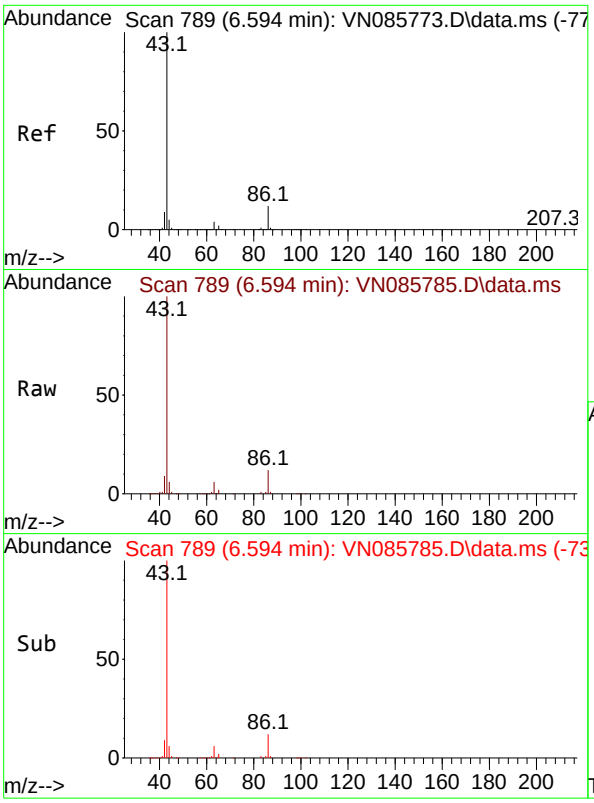


#22
Diisopropyl ether
Concen: 18.949 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 45 Resp: 195801

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.6	64.0
87	30.7	25.8	38.8
59	12.9	9.9	14.9



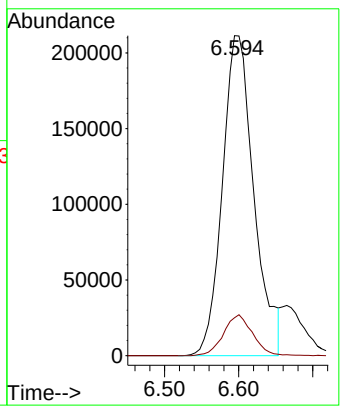


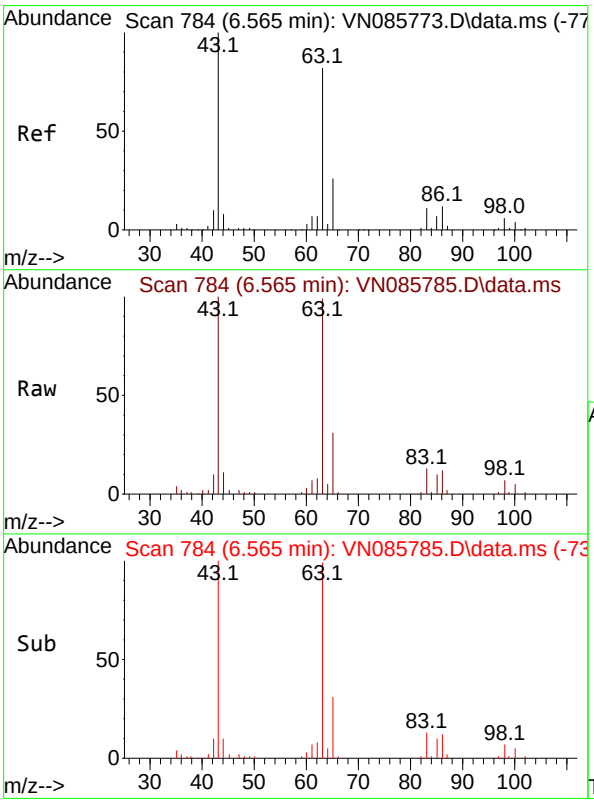
#23
Vinyl Acetate
Concen: 88.357 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 43 Resp: 625121

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.8	14.8

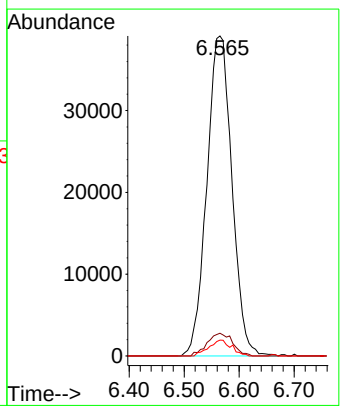


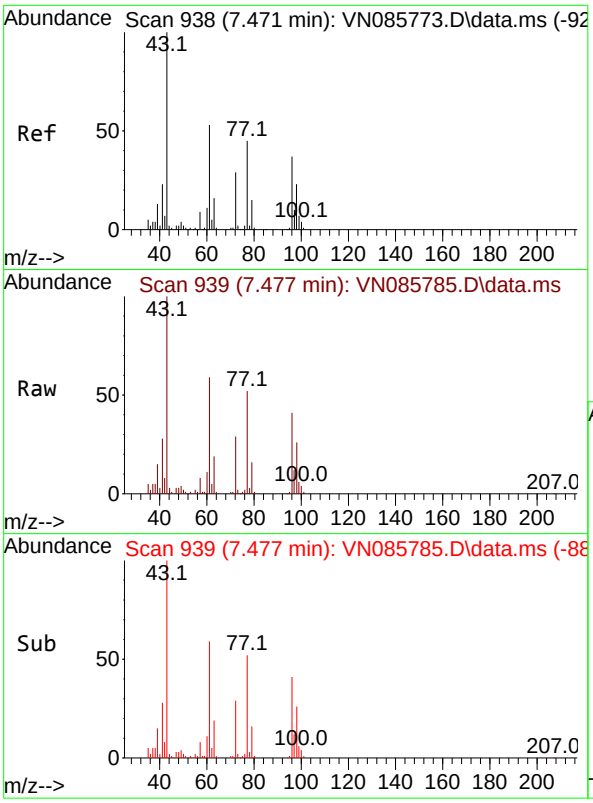


#24
1,1-Dichloroethane
Concen: 17.686 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 63 Resp: 124228

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	5.0	2.4	7.2



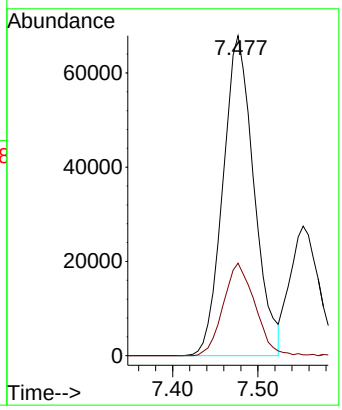


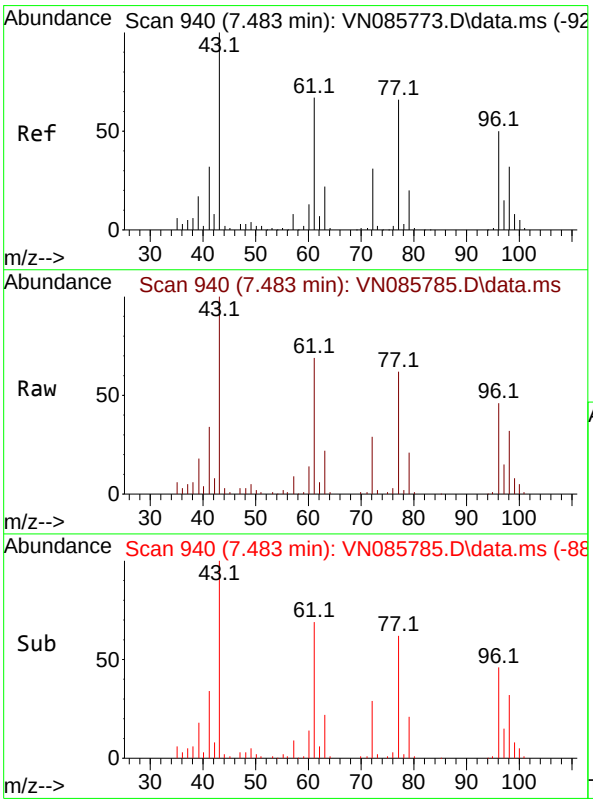
#25
2-Butanone
Concen: 89.571 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 43 Resp: 171689

Ion	Ratio	Lower	Upper
43	100		
72	28.9	23.6	35.4

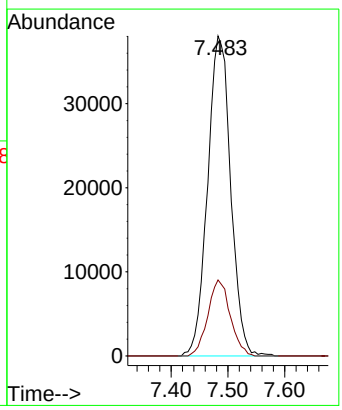


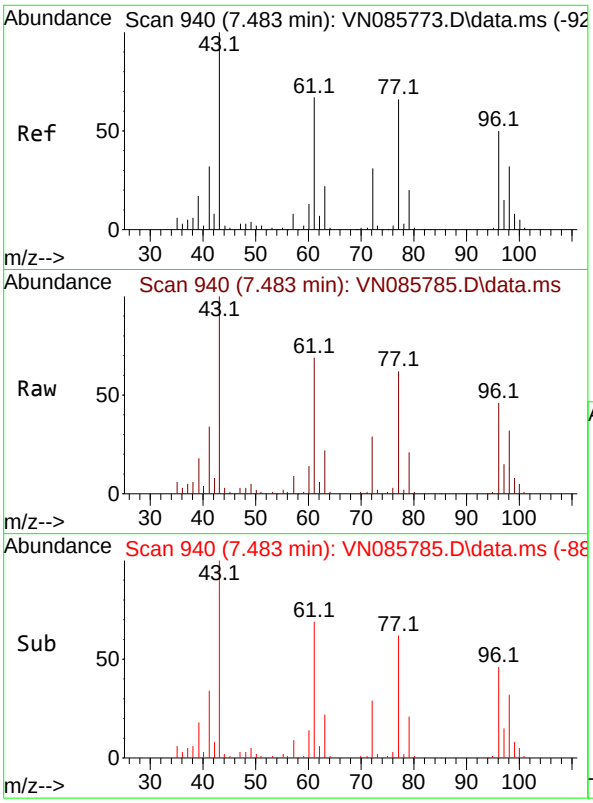


#26
2,2-Dichloropropane
Concen: 17.181 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 77 Resp: 107312

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.3	33.8



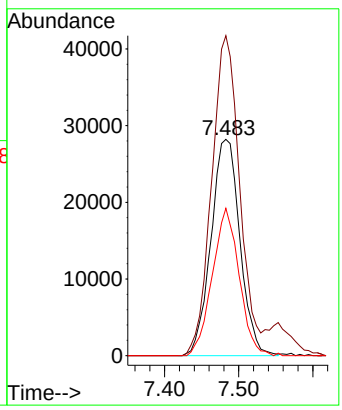


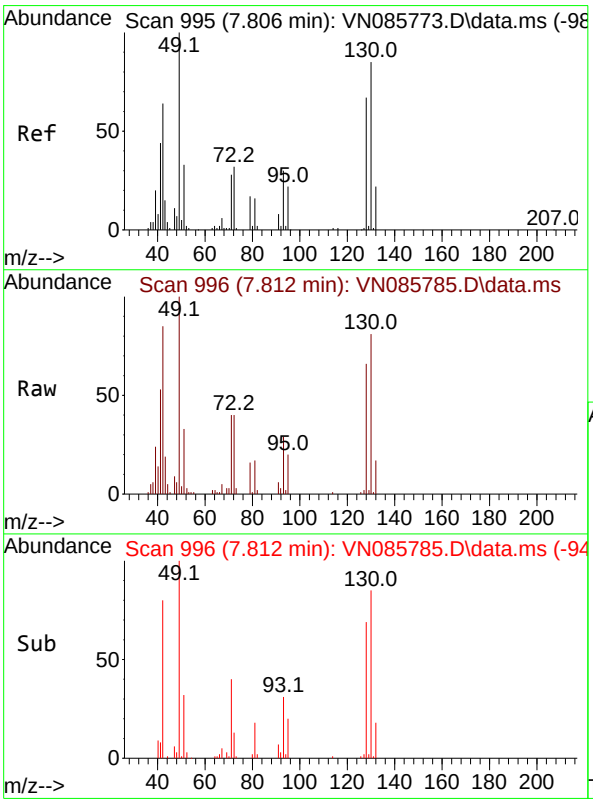
#27
cis-1,2-Dichloroethene
Concen: 17.574 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 96 Resp: 76419

Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	280.6
98	63.4	0.0	128.6

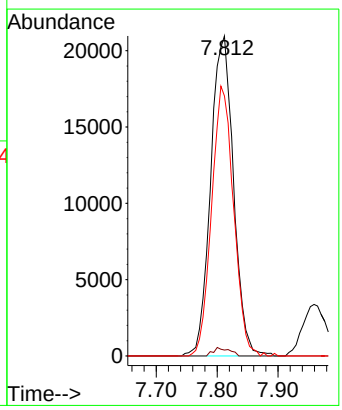


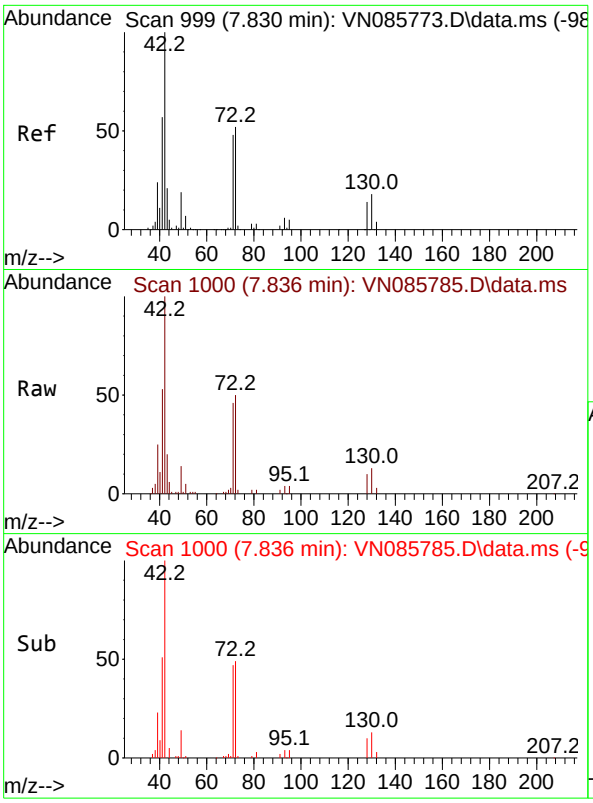


#28
Bromochloromethane
Concen: 18.931 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 49 Resp: 54654

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	81.2	68.0	102.0



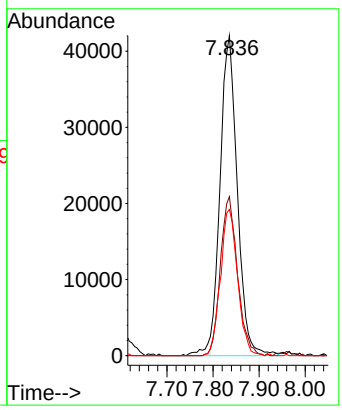


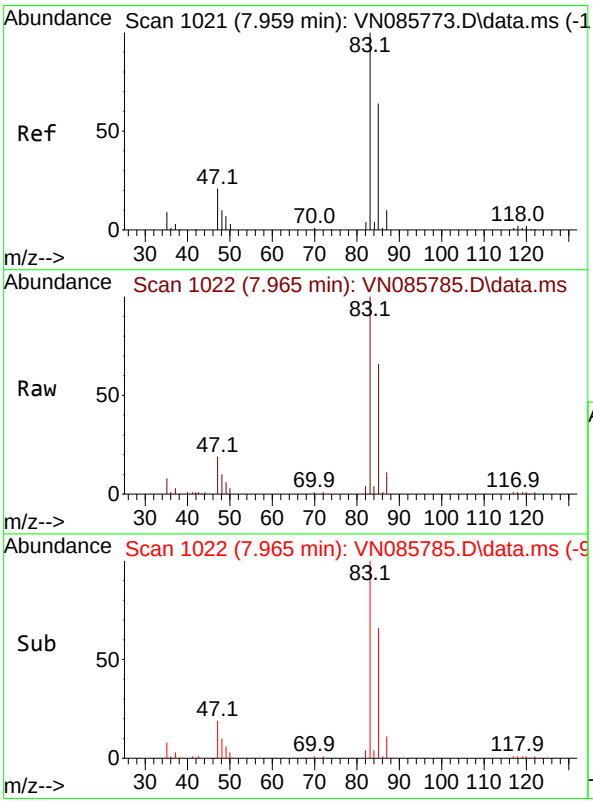
#29
Tetrahydrofuran
Concen: 88.869 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 42 Resp: 109999

Ion	Ratio	Lower	Upper
42	100		
72	48.8	40.0	60.0
71	45.0	37.0	55.4

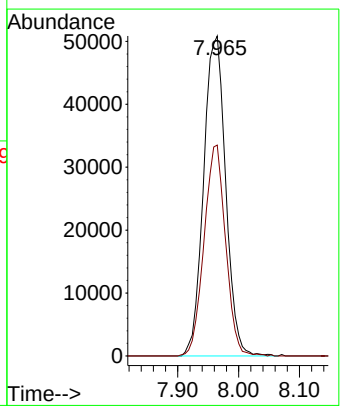


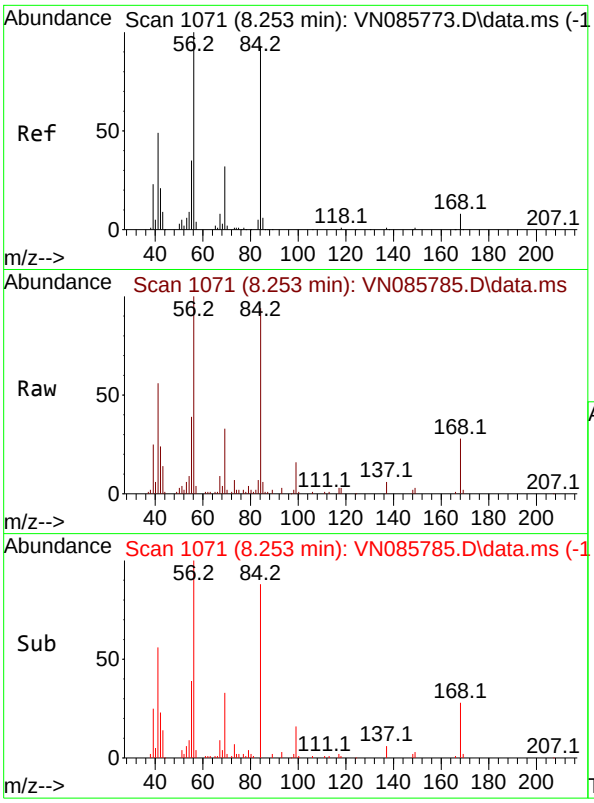


#30
Chloroform
Concen: 17.462 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 83 Resp: 128179

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3



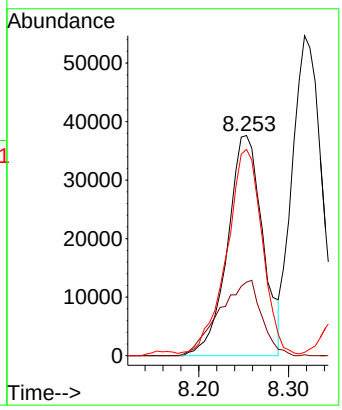


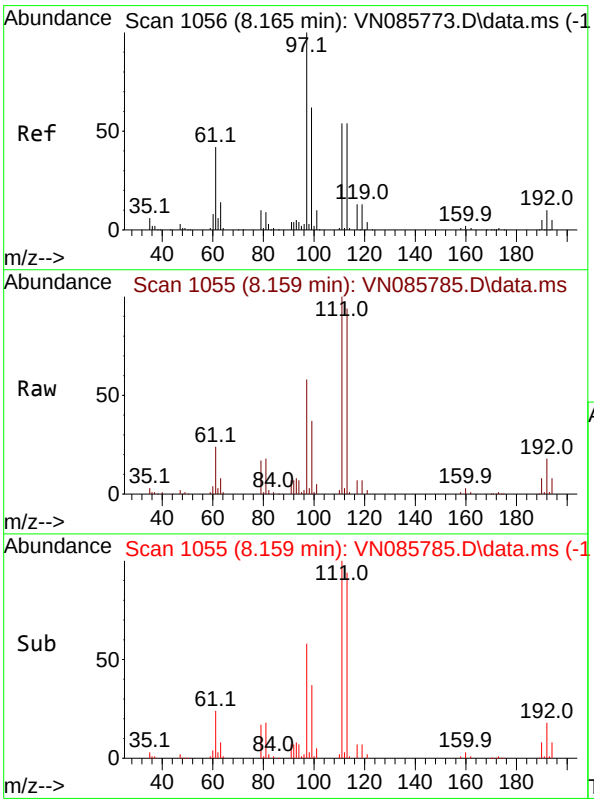
#31
Cyclohexane
Concen: 17.399 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 56 Resp: 102328

Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.8	38.6
84	92.6	74.5	111.7

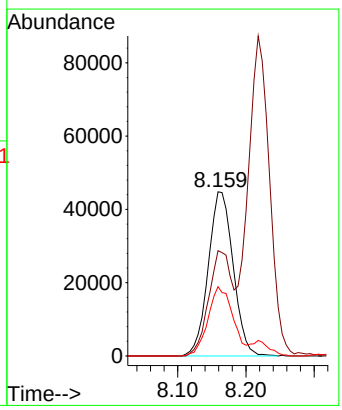


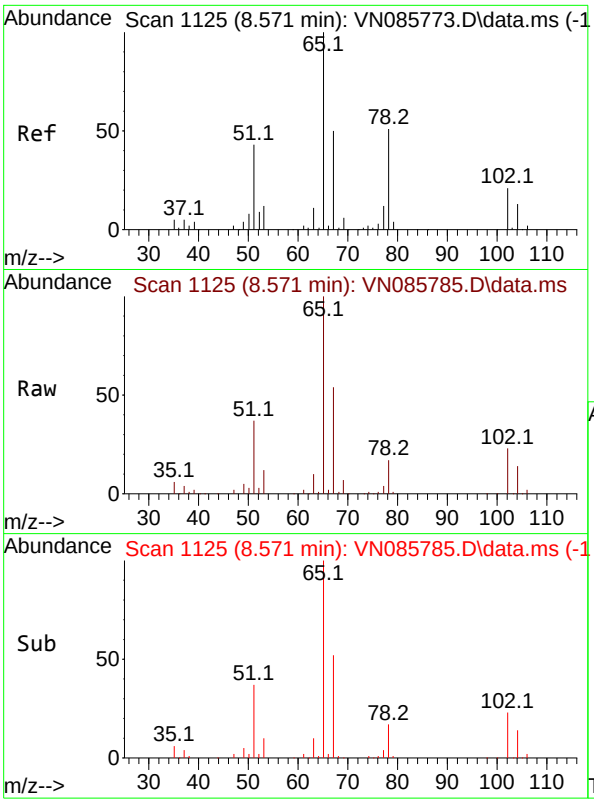


#32
1,1,1-Trichloroethane
Concen: 17.453 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 97 Resp: 113950

Ion	Ratio	Lower	Upper
97	100		
99	59.0	50.4	75.6
61	42.1	35.5	53.3



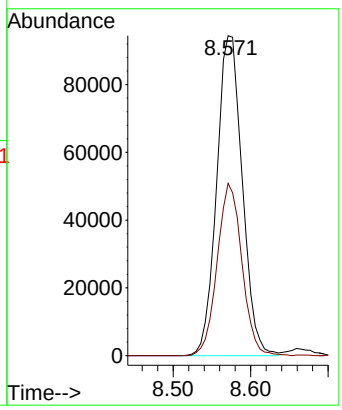


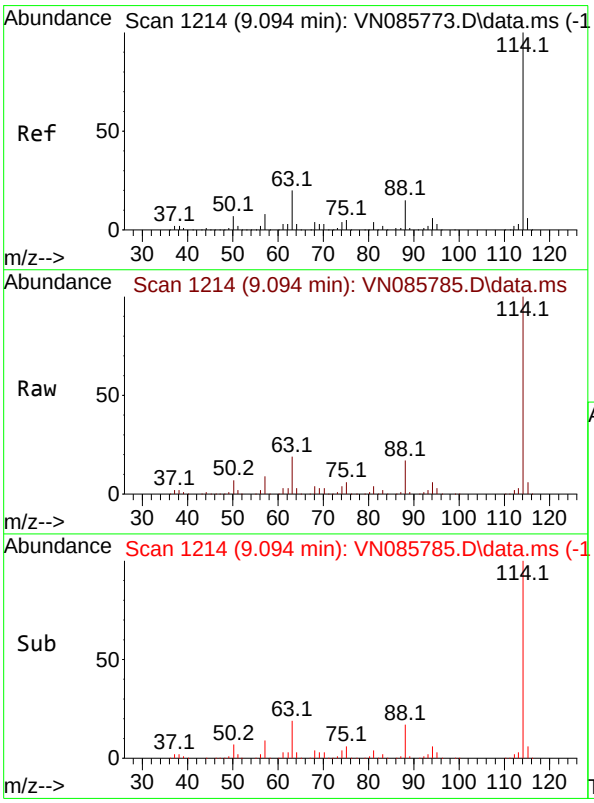
#33
1,2-Dichloroethane-d4
Concen: 52.703 ug/l
RT: 8.571 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 65 Resp: 217012

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

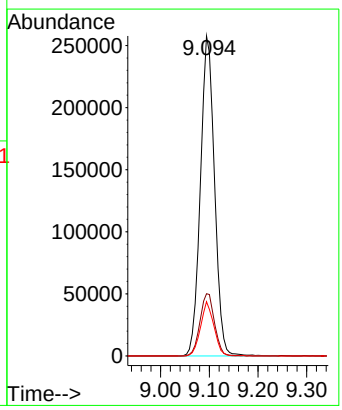


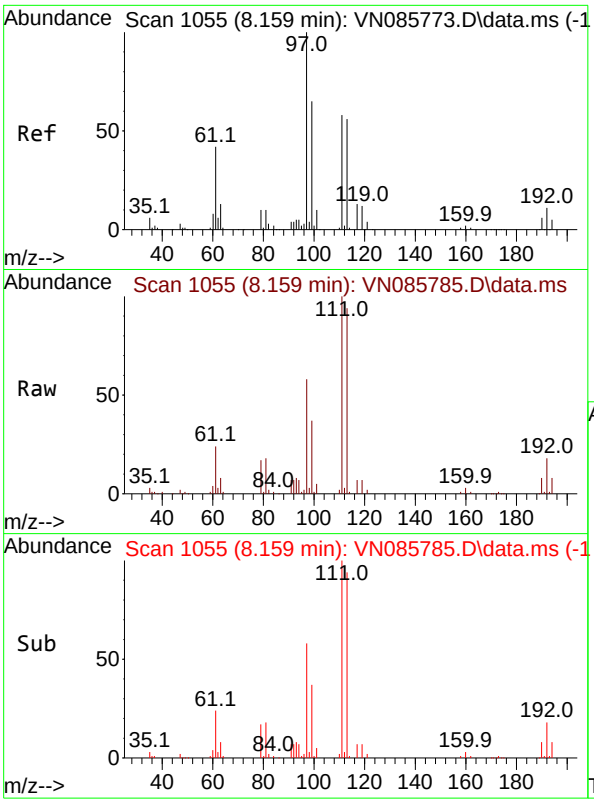


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:114 Resp: 521252

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.2
88	16.9	0.0	30.0



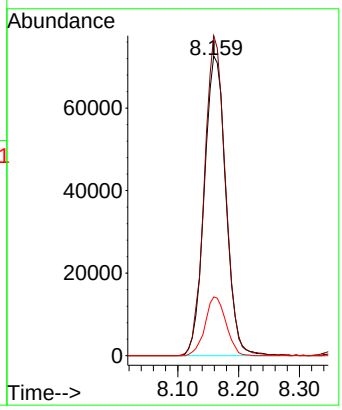


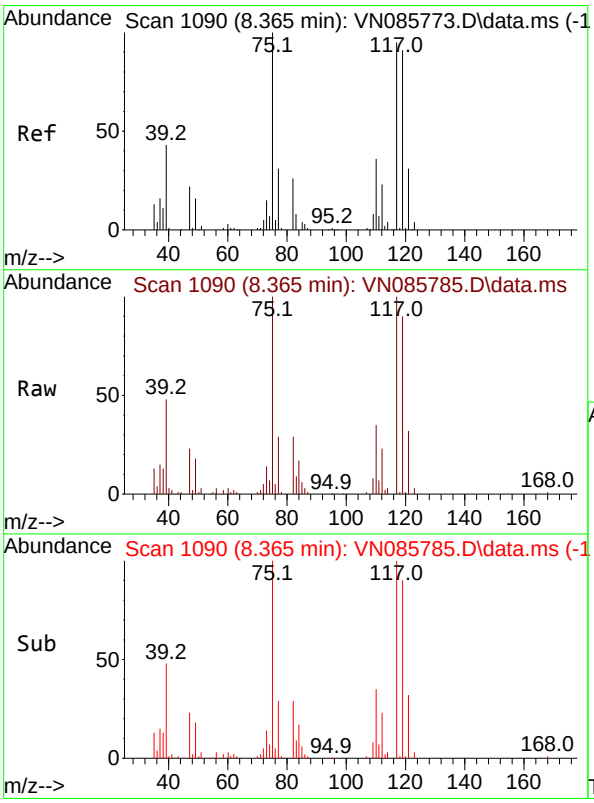
#35
Dibromofluoromethane
Concen: 52.457 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:113 Resp: 178920

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.4
192	19.0	14.7	22.1

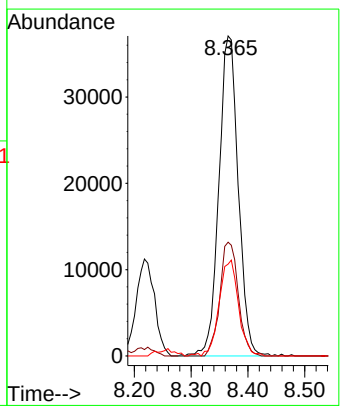


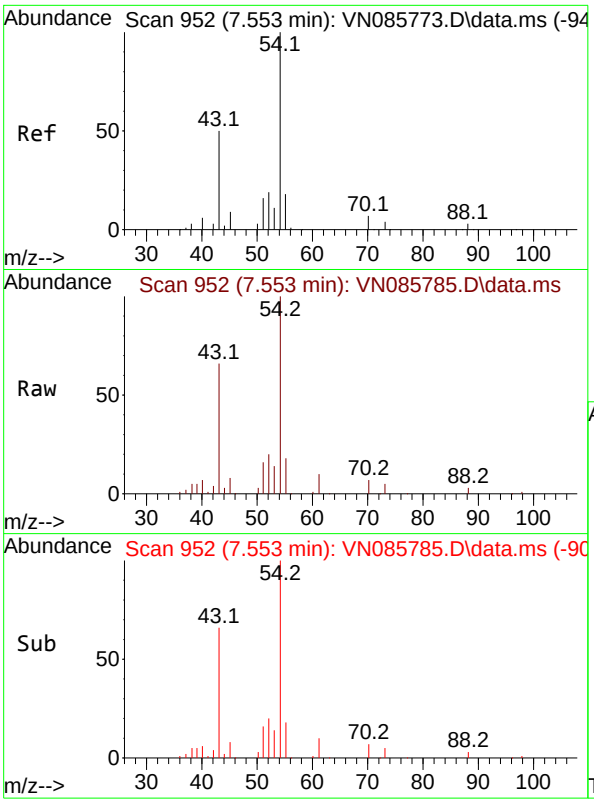


#36
1,1-Dichloropropene
Concen: 18.227 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 87987

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.1	24.6	37.0



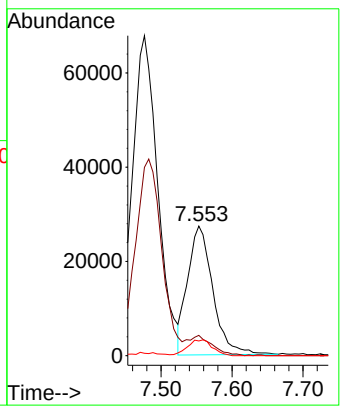


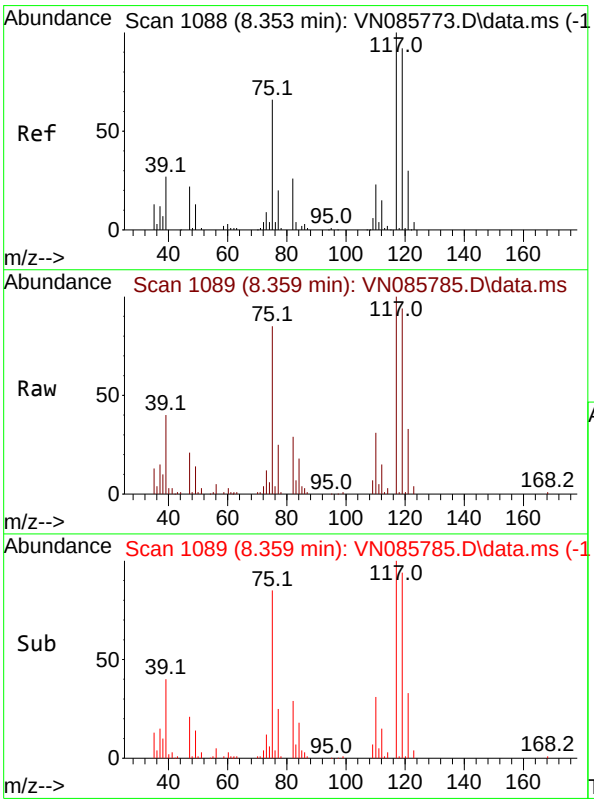
#37
Ethyl Acetate
Concen: 16.929 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 43 Resp: 67250

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	12.2	9.5	14.3

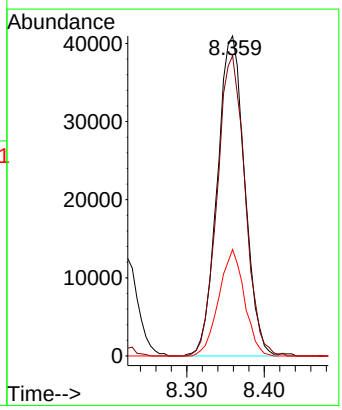


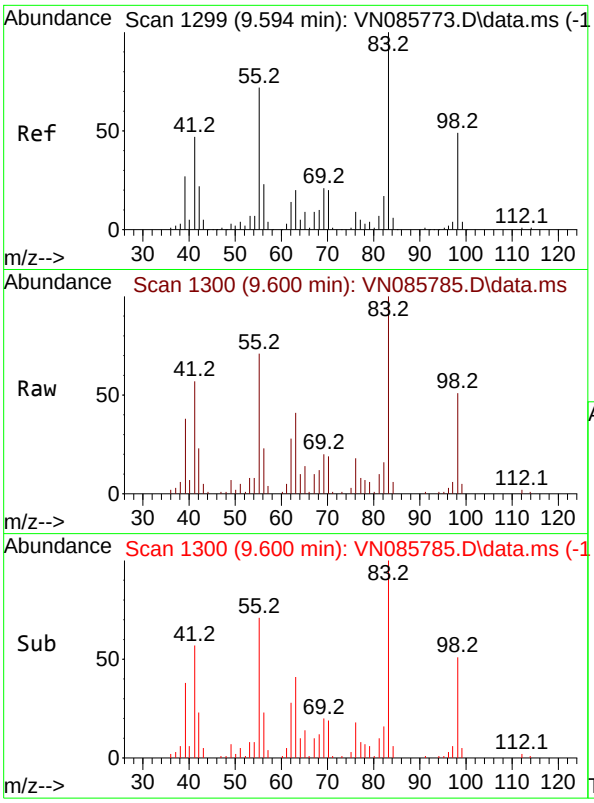


#38
Carbon Tetrachloride
Concen: 17.537 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:117 Resp: 100587

Ion	Ratio	Lower	Upper
117	100		
119	93.8	73.8	110.6
121	33.2	24.3	36.5



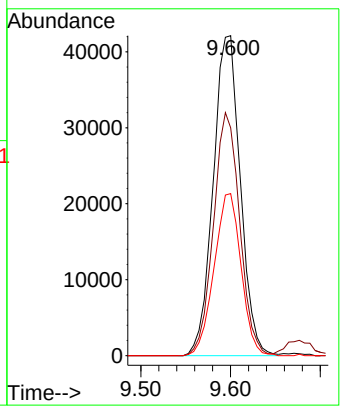


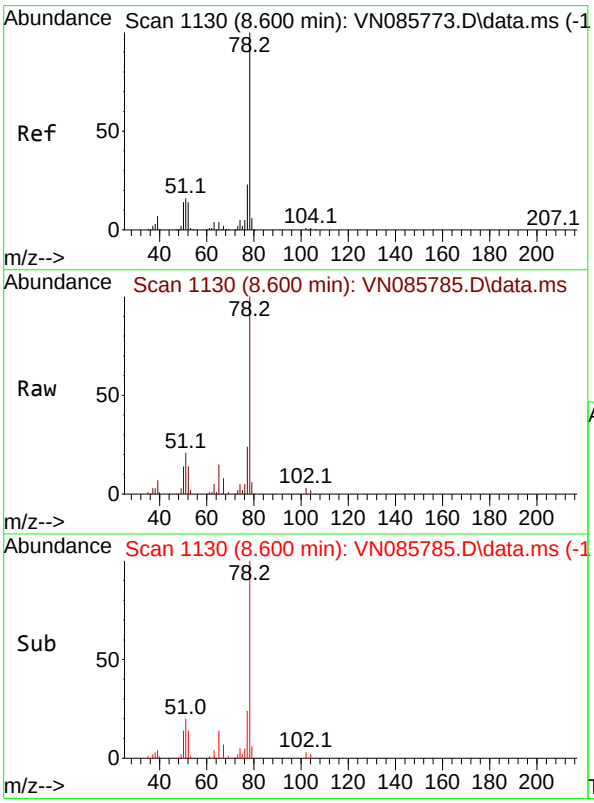
#39
Methylcyclohexane
Concen: 18.657 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 83 Resp: 88477

Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.5	86.3
98	50.7	39.2	58.8

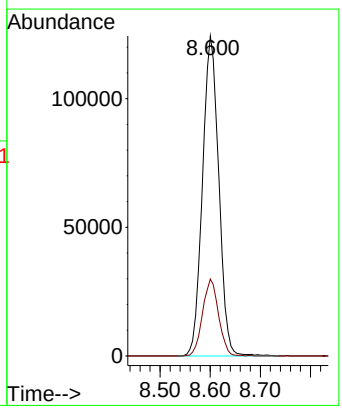


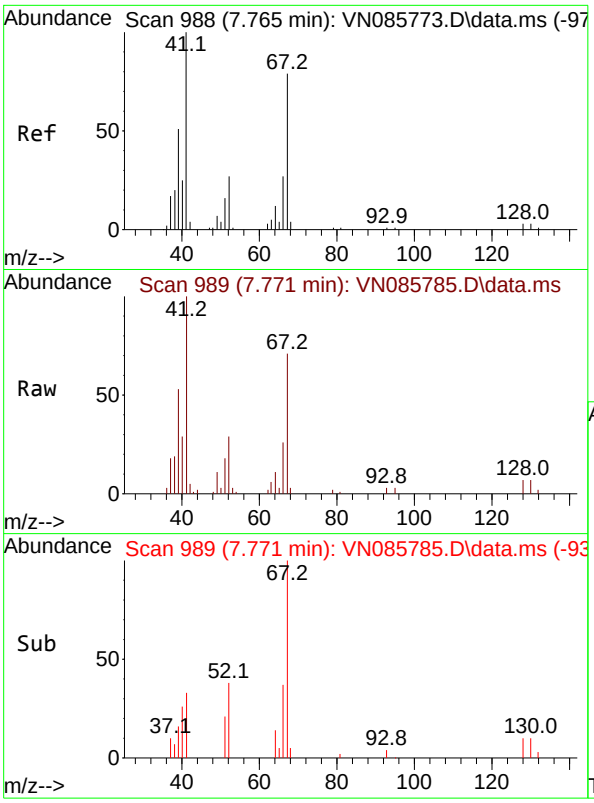


#40
Benzene
Concen: 18.147 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 78 Resp: 280766

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.3	27.5



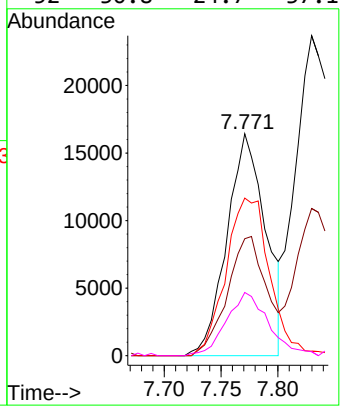


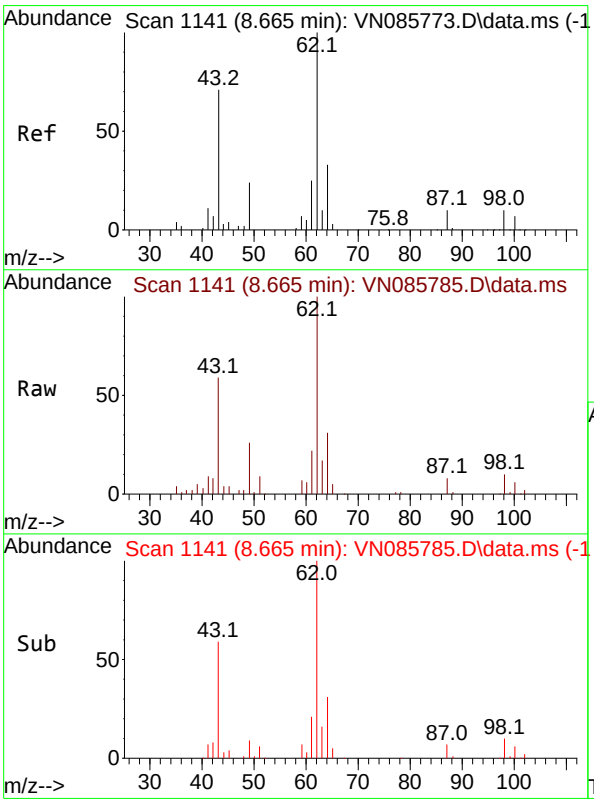
#41
Methacrylonitrile
Concen: 18.373 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 41 Resp: 39017

Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.0	63.0
67	79.9	64.2	96.4
52	30.8	24.7	37.1

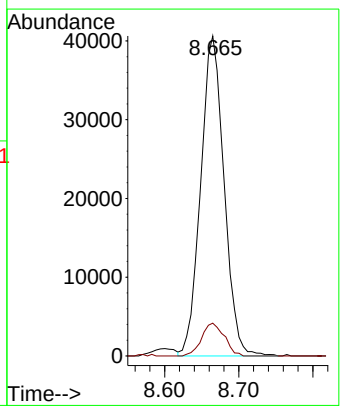


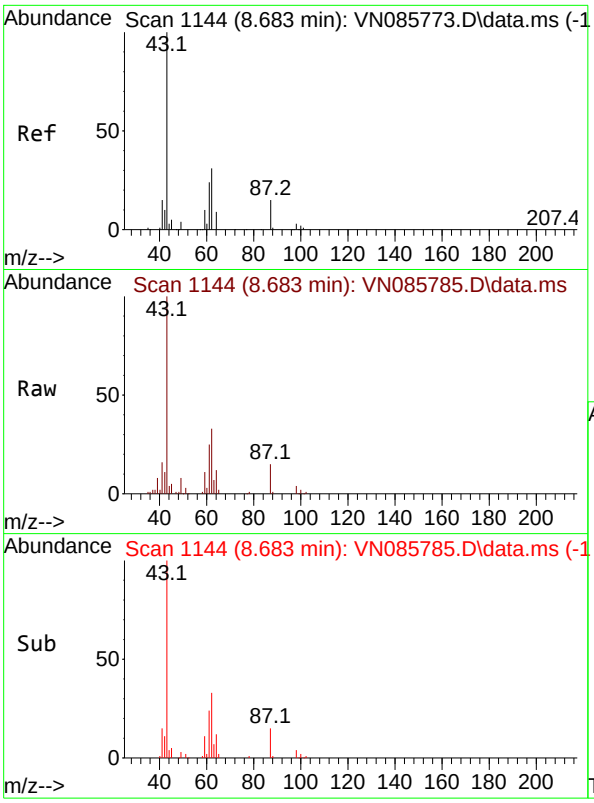


#42
1,2-Dichloroethane
Concen: 17.709 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 62 Resp: 89245

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



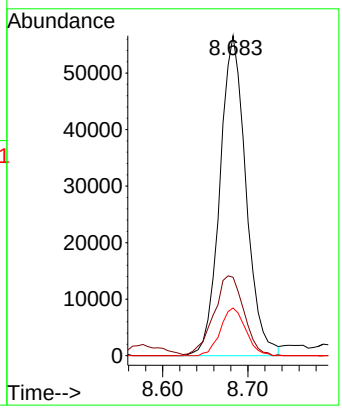


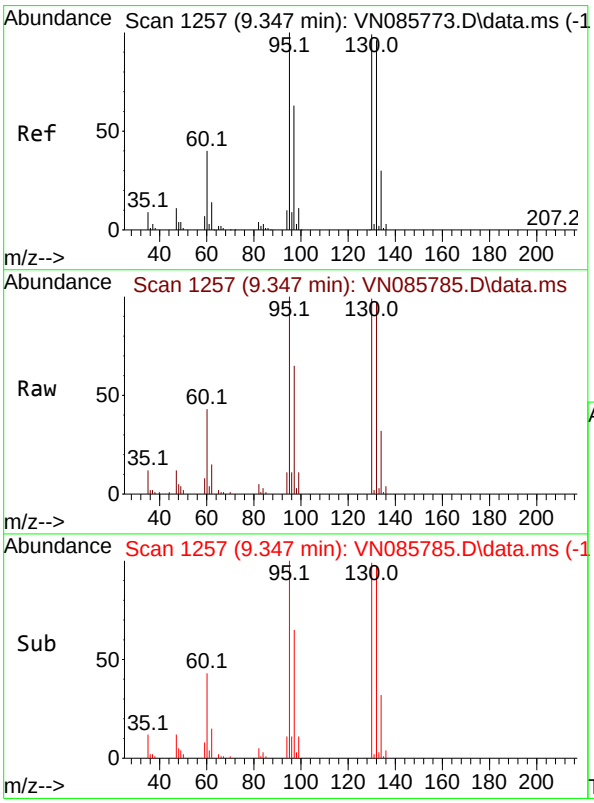
#43
Isopropyl Acetate
Concen: 16.955 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 43 Resp: 120724

Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.6	34.0
87	14.3	11.8	17.8

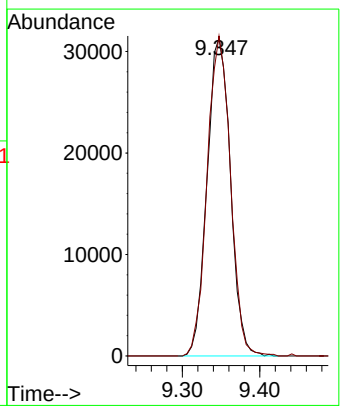


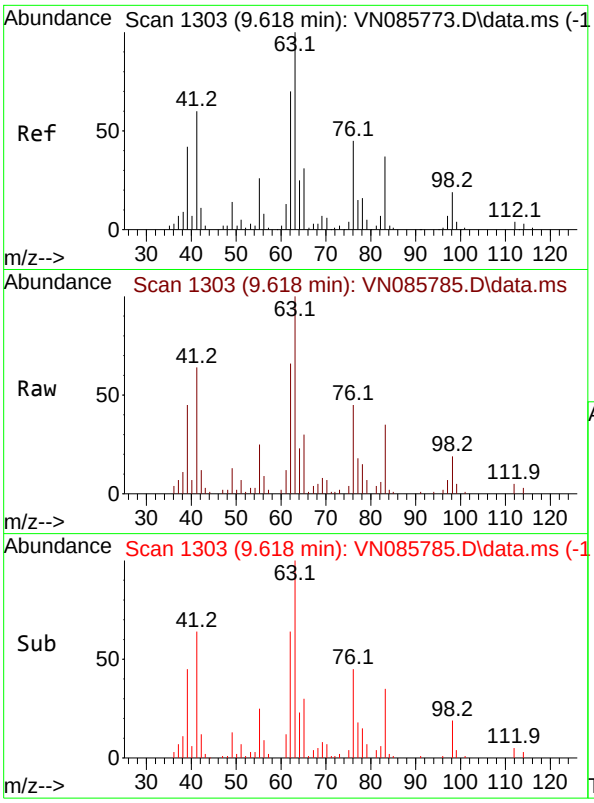


#44
Trichloroethene
Concen: 17.262 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:130 Resp: 65573

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	202.6



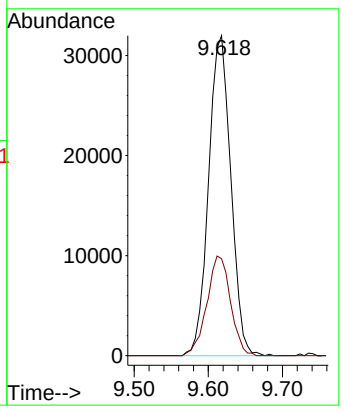


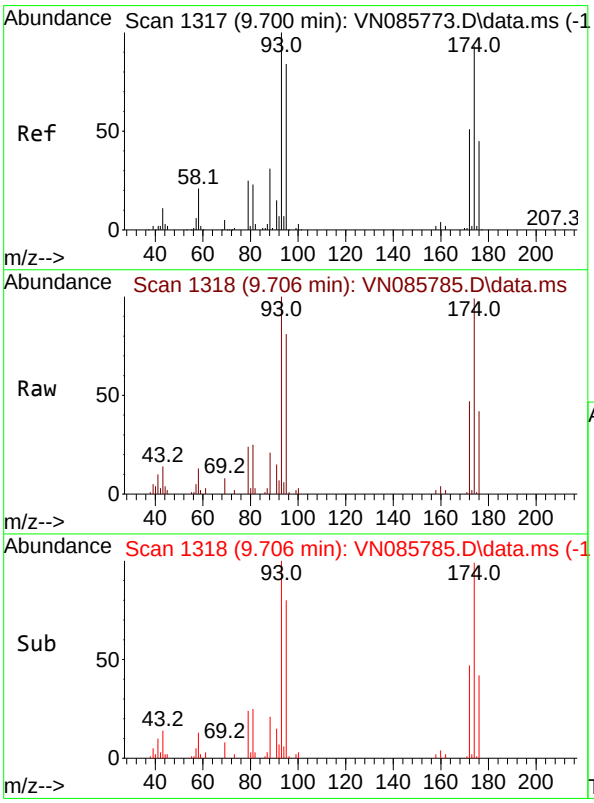
#45
1,2-Dichloropropane
Concen: 17.831 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 63 Resp: 66592

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.1	37.7

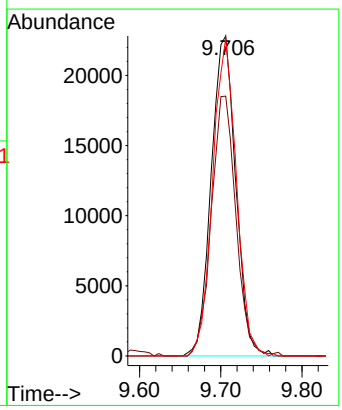


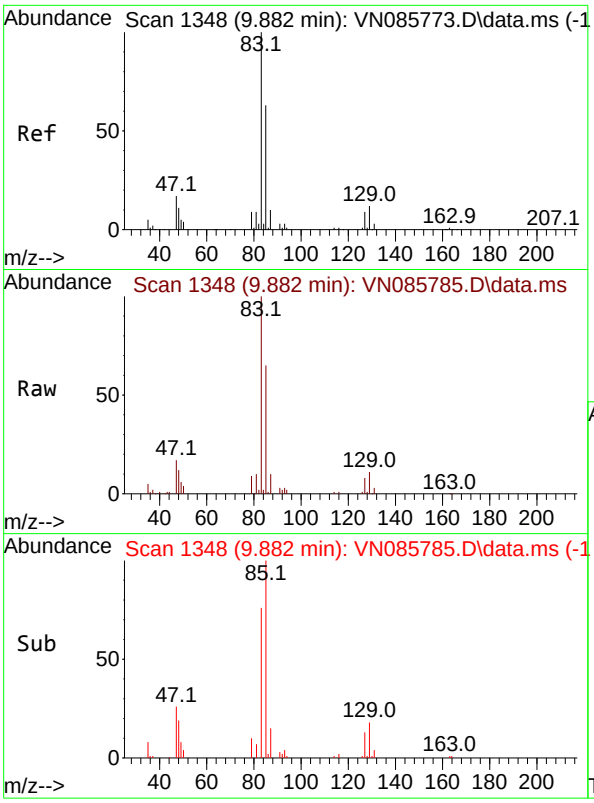


#46
Dibromomethane
Concen: 18.174 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 93 Resp: 47875

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.7	100.1
174	95.9	77.2	115.8



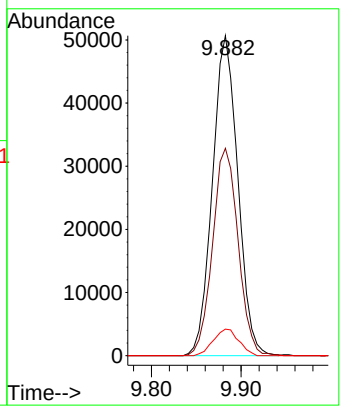


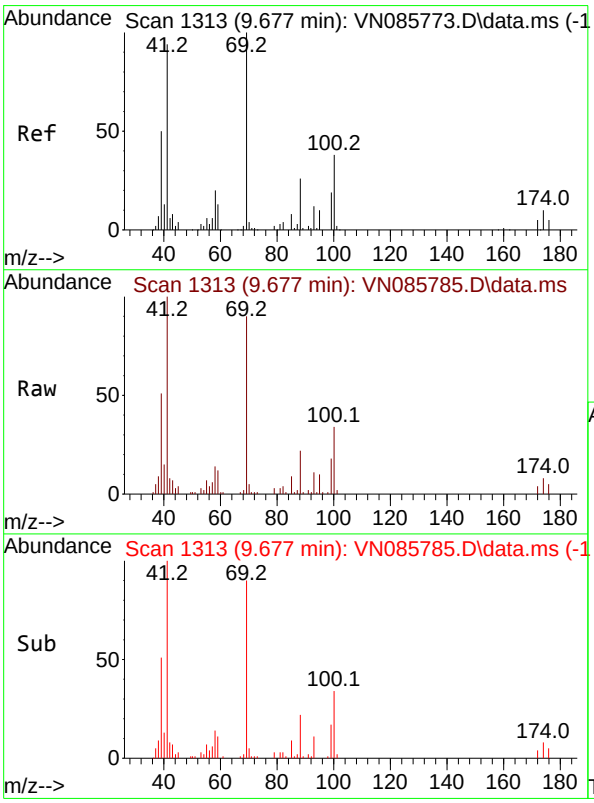
#47
Bromodichloromethane
Concen: 17.629 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 83 Resp: 99356

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.3	7.2	10.8

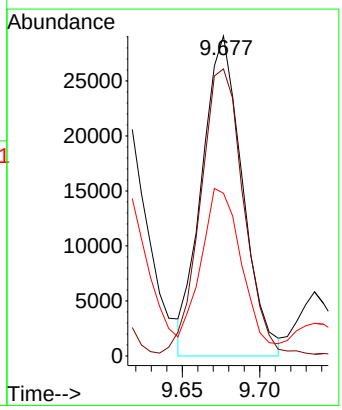


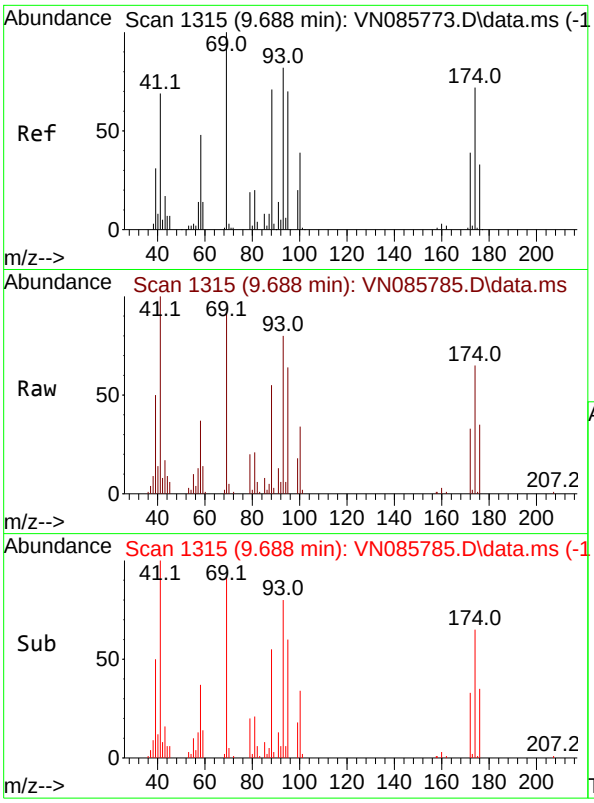


#48
Methyl methacrylate
Concen: 17.960 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 41 Resp: 52986

Ion	Ratio	Lower	Upper
41	100		
69	96.5	76.0	114.0
39	54.1	42.3	63.5



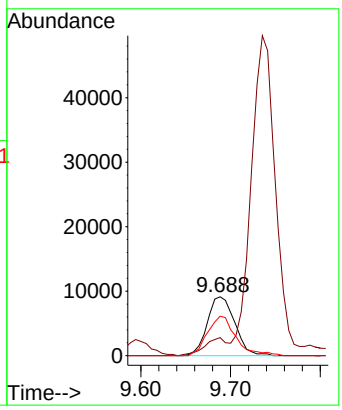


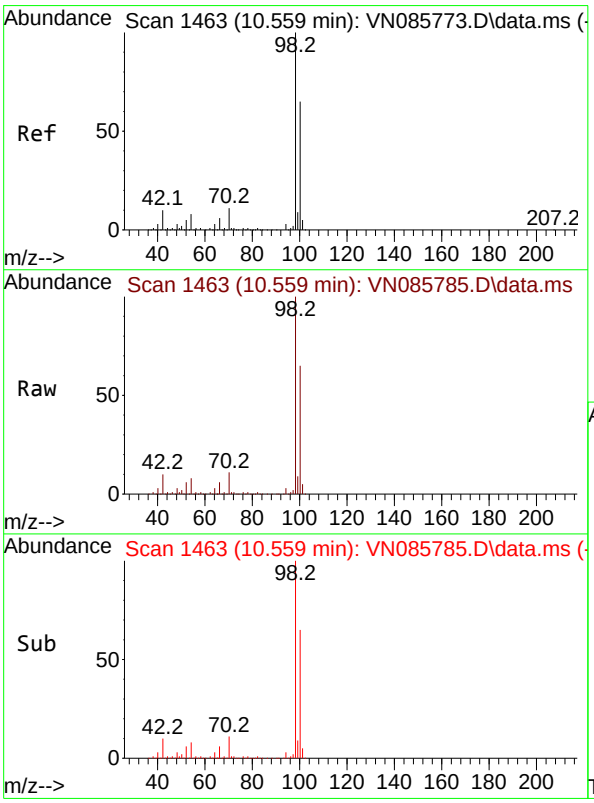
#49
1,4-Dioxane
Concen: 346.260 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 88 Resp: 19426

Ion	Ratio	Lower	Upper
88	100		
43	26.6	18.6	27.8
58	69.4	56.7	85.1

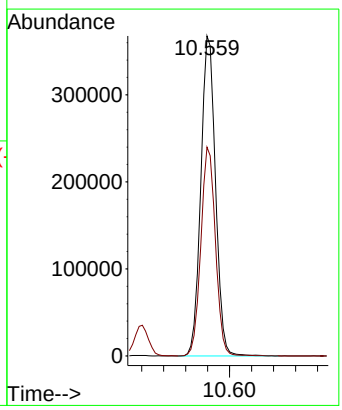


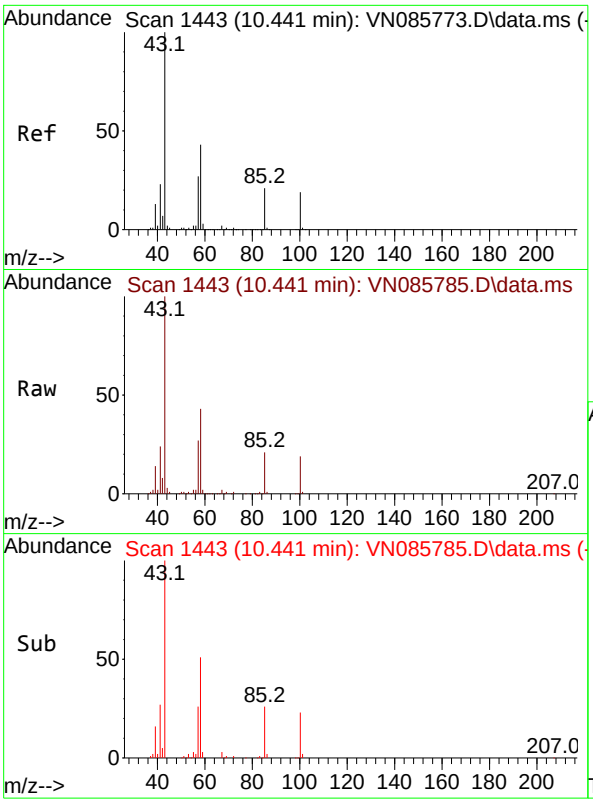


#50
Toluene-d8
Concen: 54.811 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 98 Resp: 680181

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



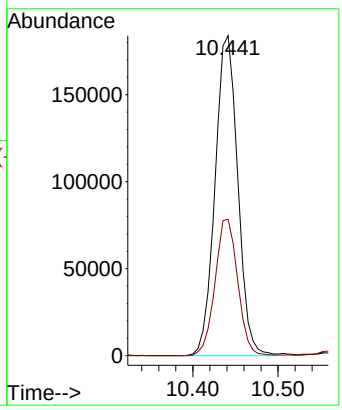


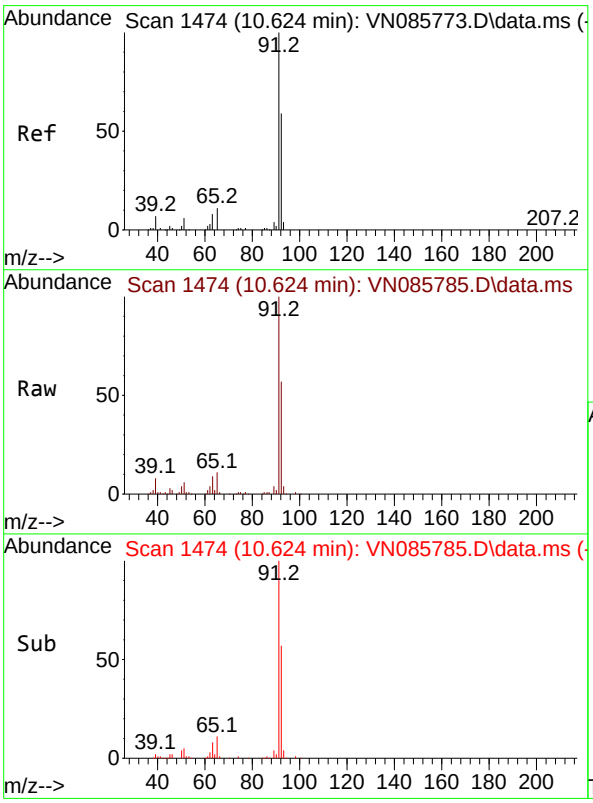
#51
4-Methyl-2-Pentanone
Concen: 89.161 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 43 Resp: 341491

Ion	Ratio	Lower	Upper
43	100		
58	42.7	34.6	52.0

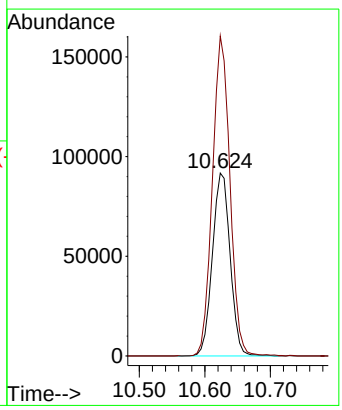


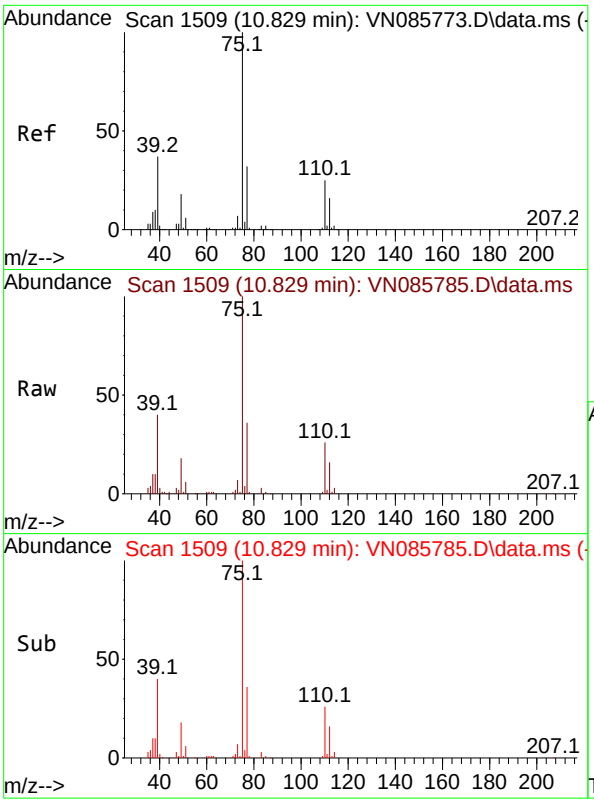


#52
Toluene
Concen: 18.963 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 92 Resp: 171977

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.9	205.3



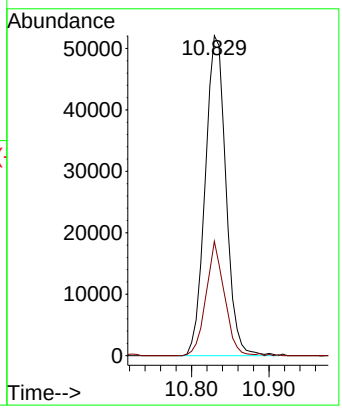


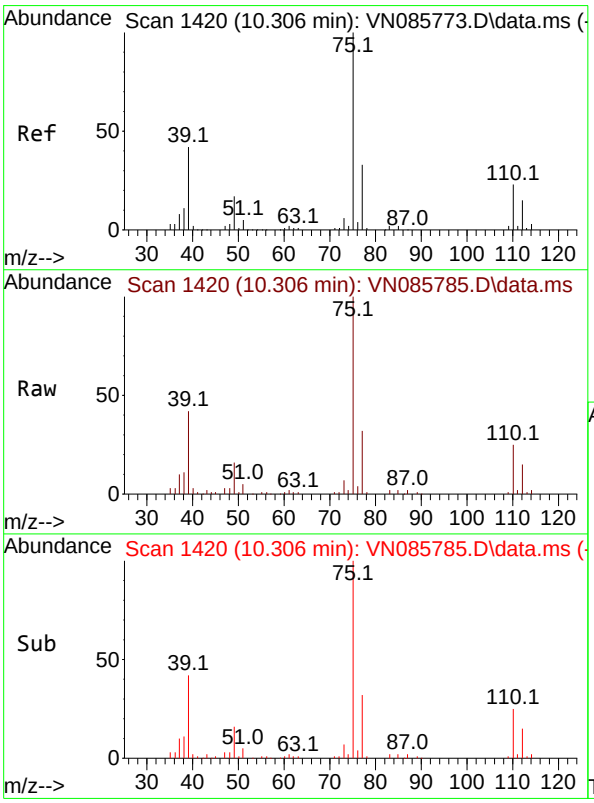
#53
t-1,3-Dichloropropene
Concen: 18.564 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 75 Resp: 96745

Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.4	38.0

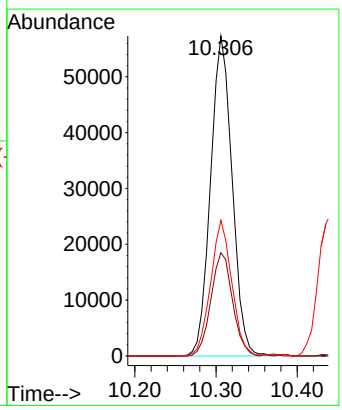


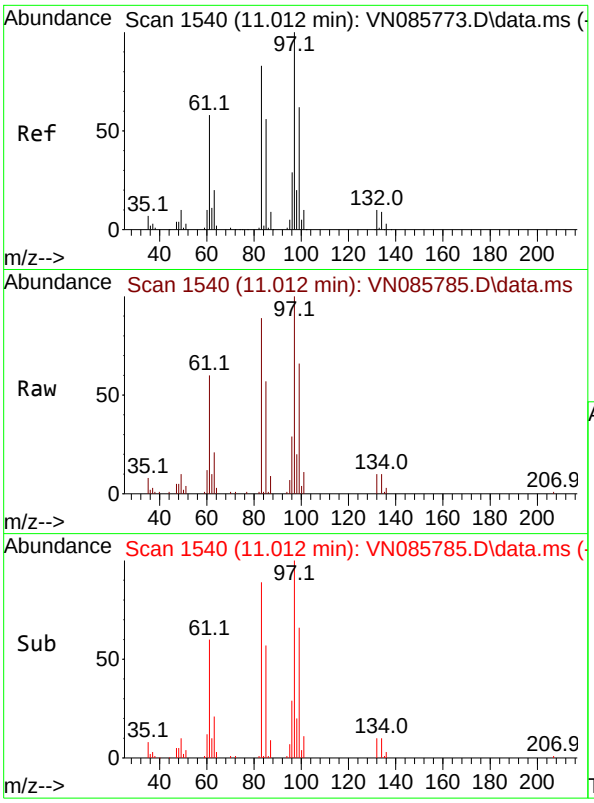


#54
cis-1,3-Dichloropropene
Concen: 18.525 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 105862

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.1	39.1
39	42.3	33.4	50.0



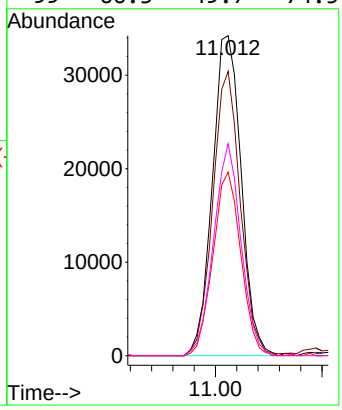


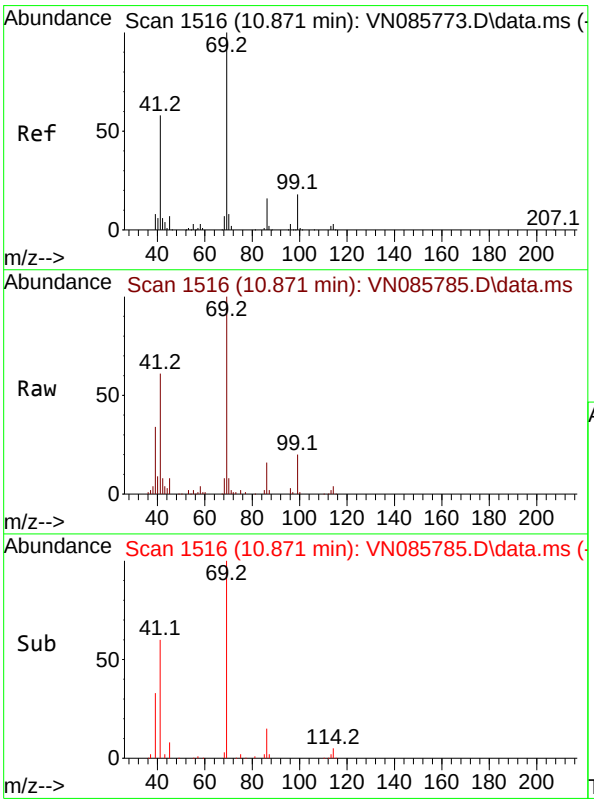
#55
1,1,2-Trichloroethane
Concen: 17.816 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 97 Resp: 64242

Ion	Ratio	Lower	Upper
97	100		
83	88.8	66.1	99.1
85	57.4	44.7	67.1
99	66.3	49.7	74.5

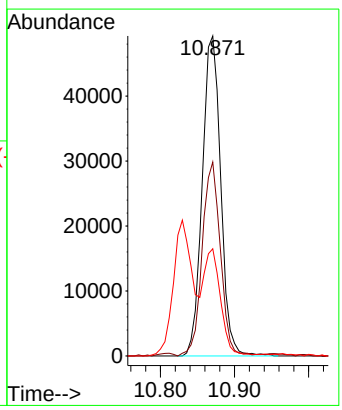


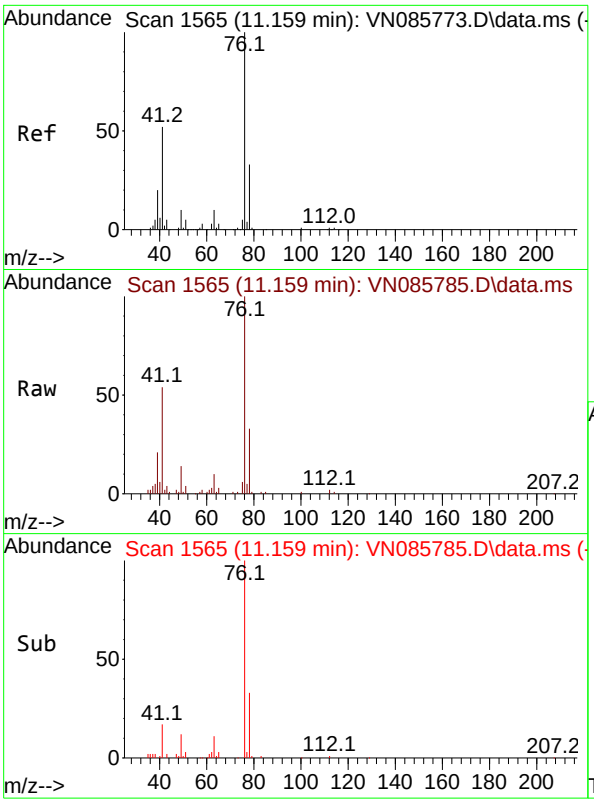


#56
Ethyl methacrylate
Concen: 18.049 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 69 Resp: 85337

Ion	Ratio	Lower	Upper
69	100		
41	59.8	46.0	69.0
39	29.3	22.0	33.0



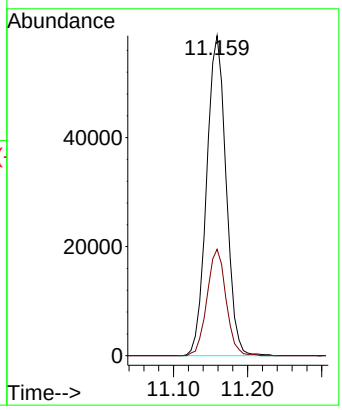


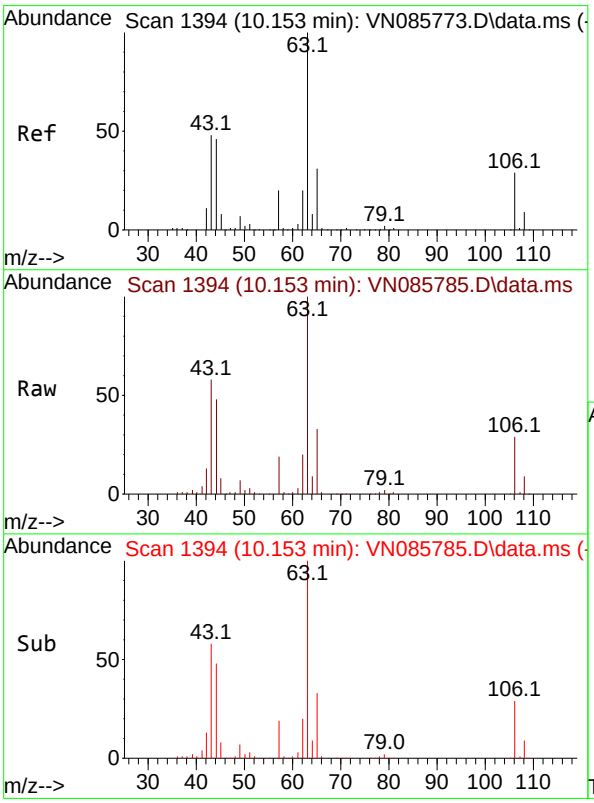
#57
1,3-Dichloropropane
Concen: 17.745 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 76 Resp: 106816

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

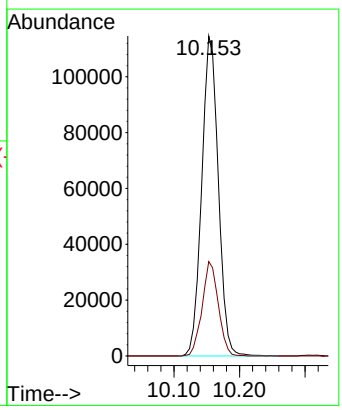


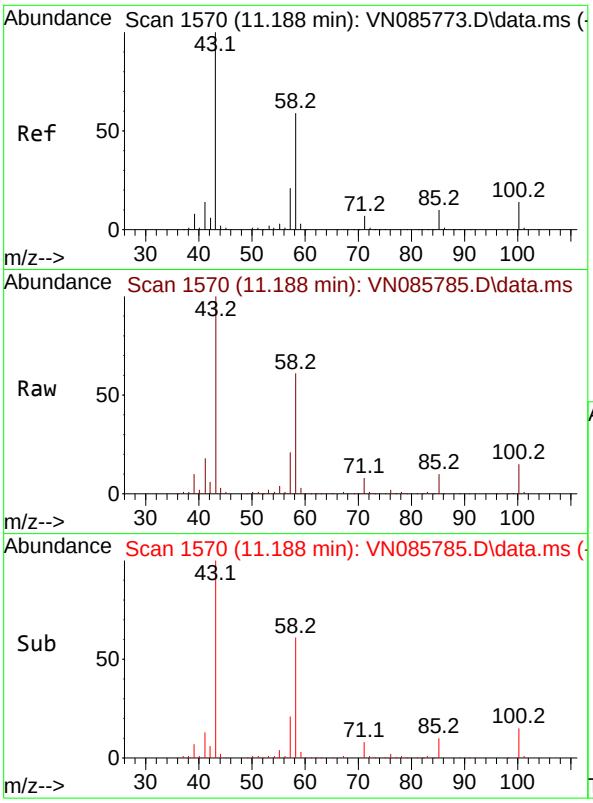


#58
2-Chloroethyl Vinyl ether
Concen: 116.421 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 63 Resp: 201570

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.7	34.1



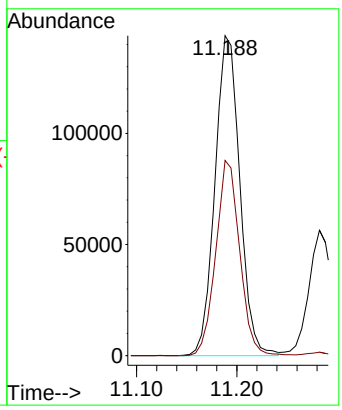


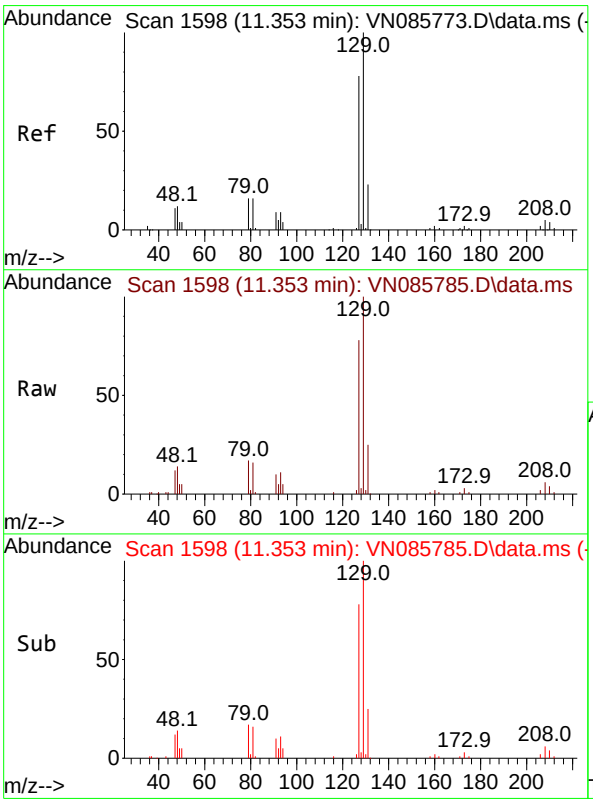
#59
2-Hexanone
Concen: 94.072 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 43 Resp: 247868

Ion	Ratio	Lower	Upper
43	100		
58	58.8	29.8	89.5

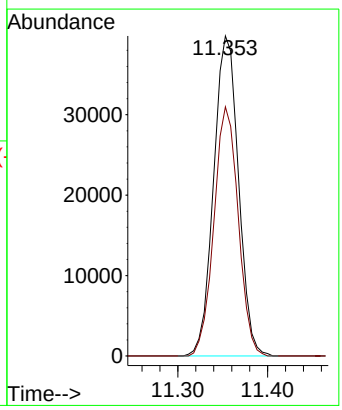


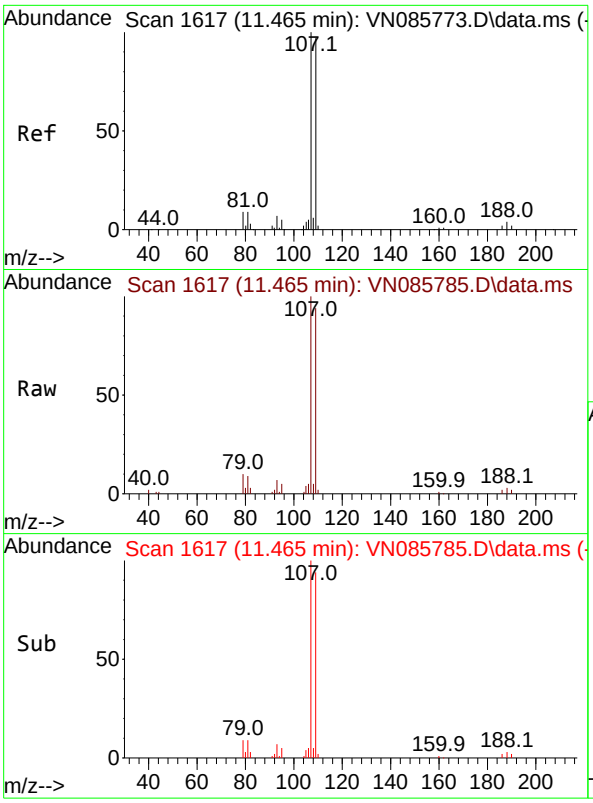


#60
Dibromochloromethane
Concen: 18.204 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:129 Resp: 76437

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.1	117.5



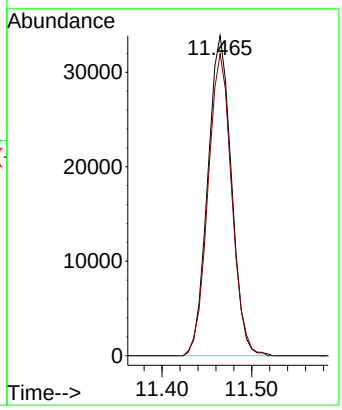


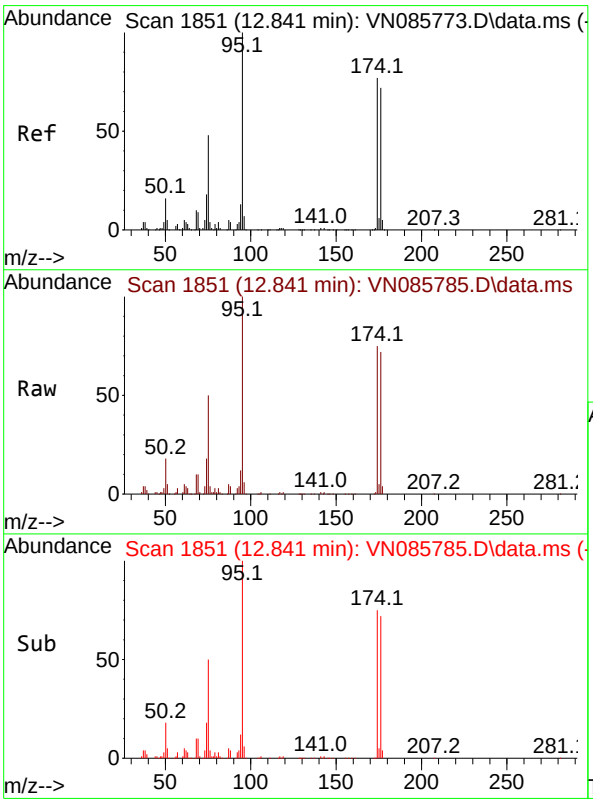
#61
1,2-Dibromoethane
Concen: 18.184 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:107 Resp: 61951

Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.0	114.0

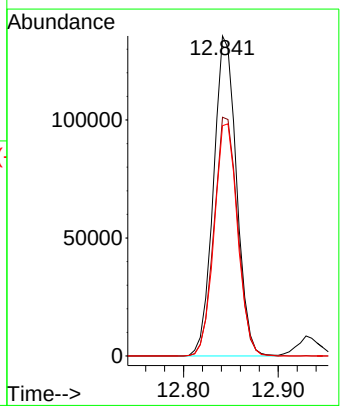


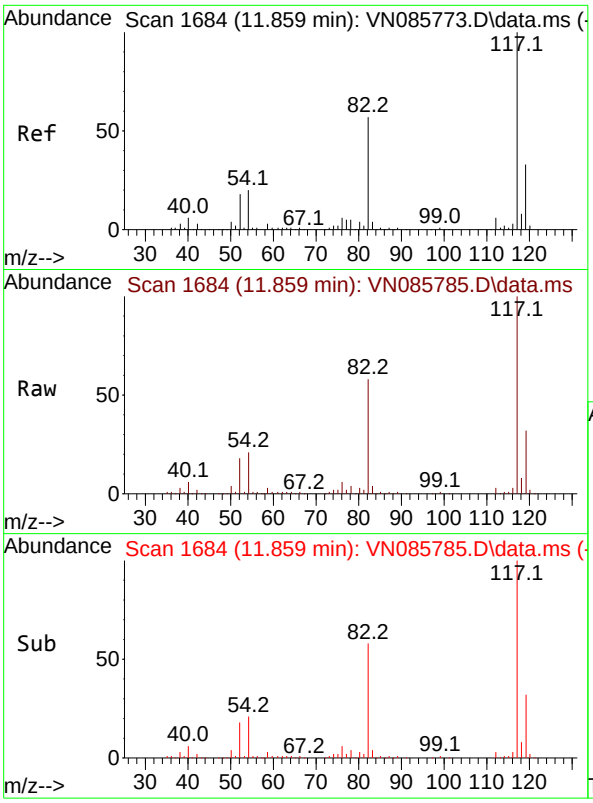


#62
4-Bromofluorobenzene
Concen: 56.040 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 95 Resp: 229130

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	152.4
176	73.7	0.0	146.6



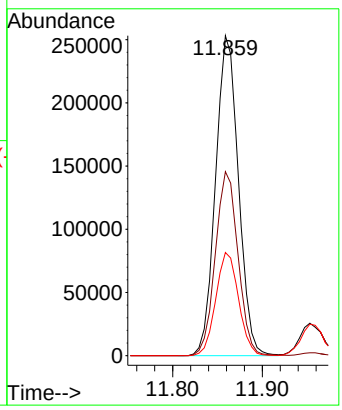


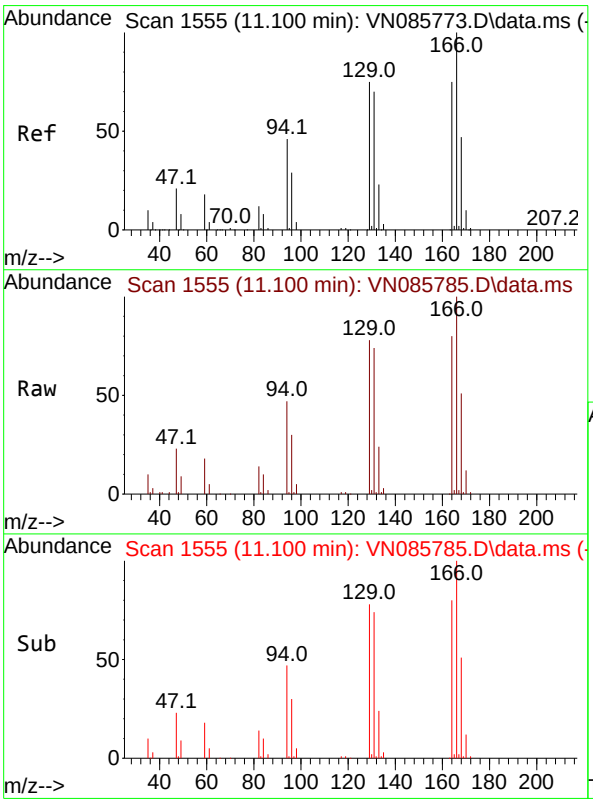
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:117 Resp: 448364

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	32.2	26.2	39.2

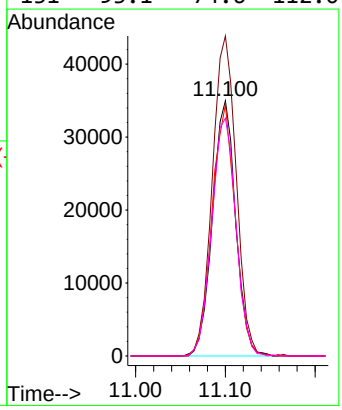


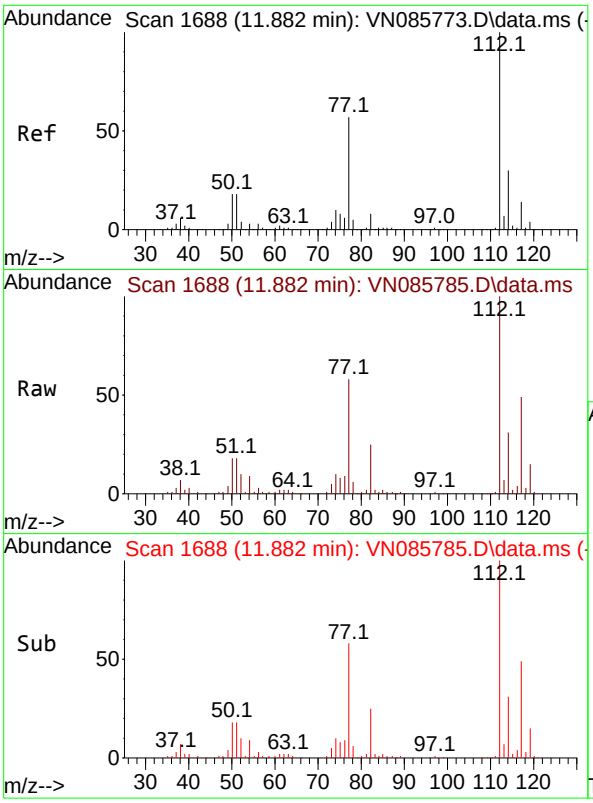


#64
Tetrachloroethene
Concen: 18.047 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:164 Resp: 62687

Ion	Ratio	Lower	Upper
164	100		
166	125.4	107.2	160.8
129	98.4	80.7	121.1
131	93.1	74.6	112.0



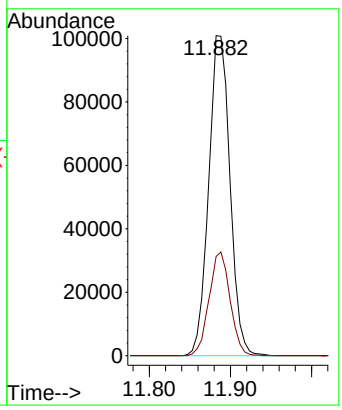


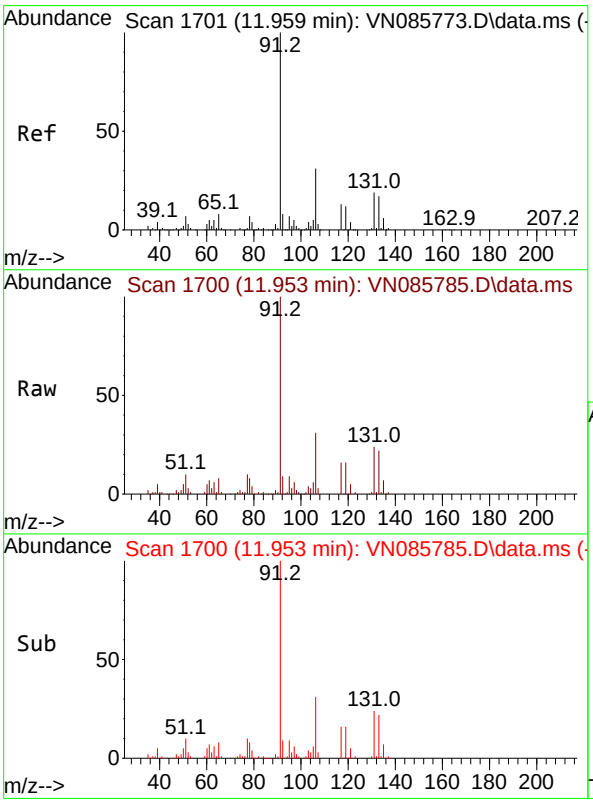
#65
Chlorobenzene
Concen: 17.914 ug/l
RT: 11.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:112 Resp: 184006

Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.3	36.5

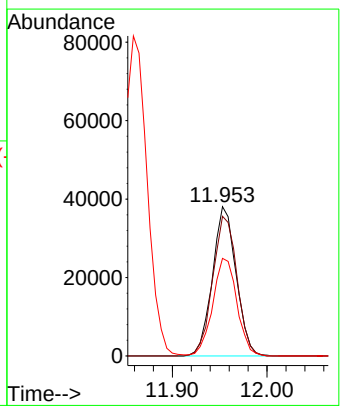


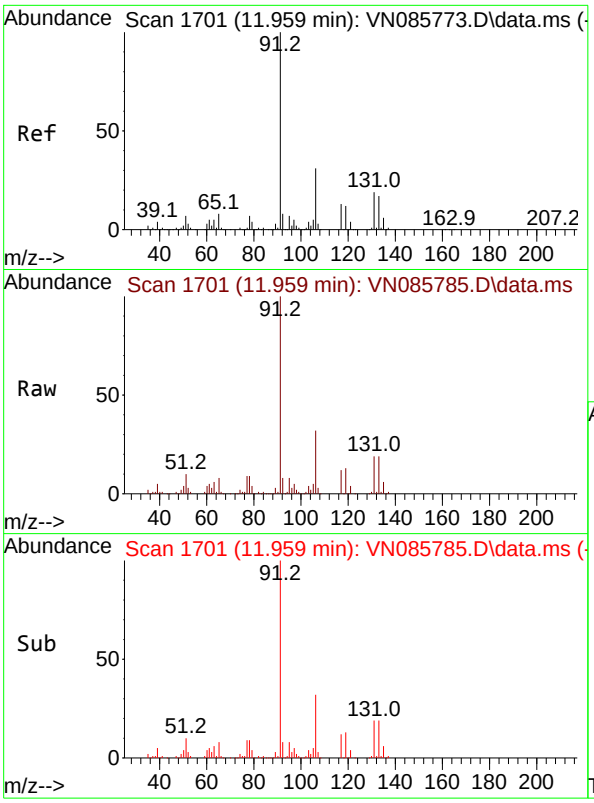


#66
1,1,1,2-Tetrachloroethane
Concen: 17.887 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:131 Resp: 66036

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.7	143.1
119	67.0	33.3	99.8



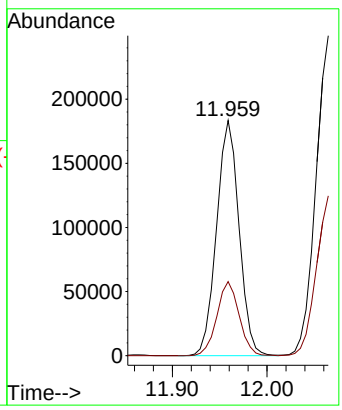


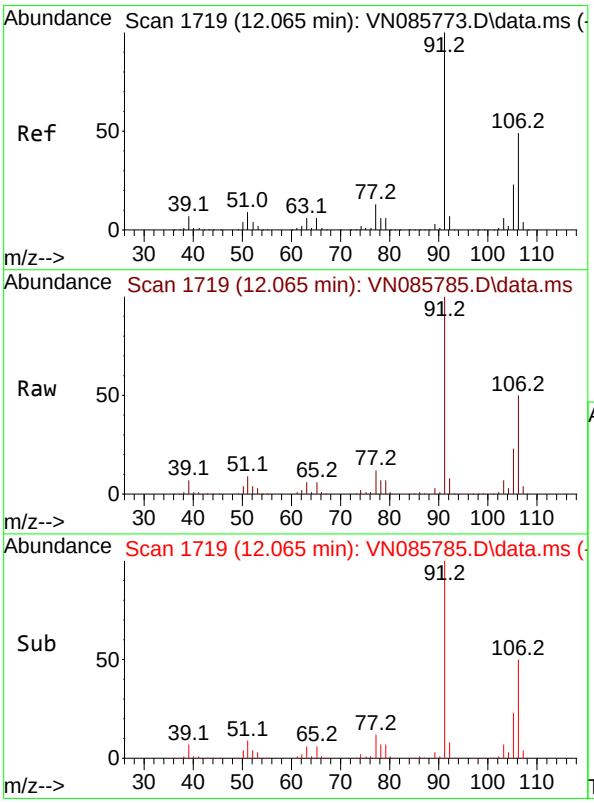
#67
Ethyl Benzene
Concen: 18.808 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 91 Resp: 302618

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.7	37.1

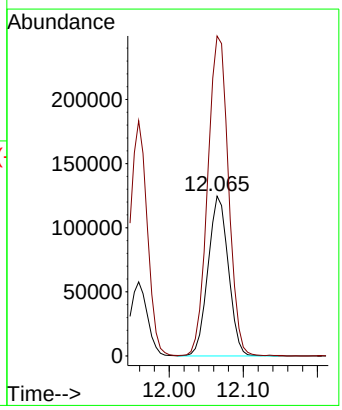


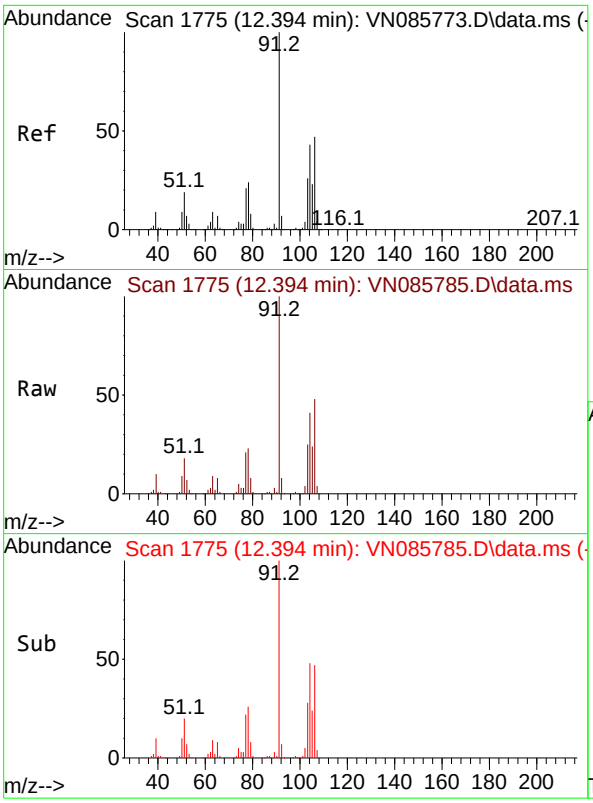


#68
m/p-Xylenes
Concen: 38.858 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:106 Resp: 237487

Ion	Ratio	Lower	Upper
106	100		
91	203.7	163.3	244.9



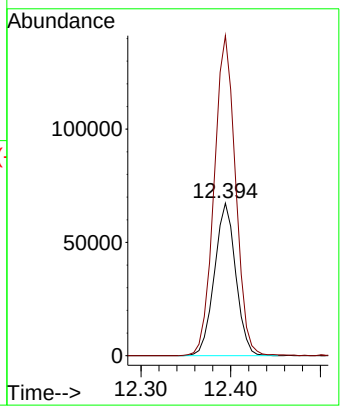


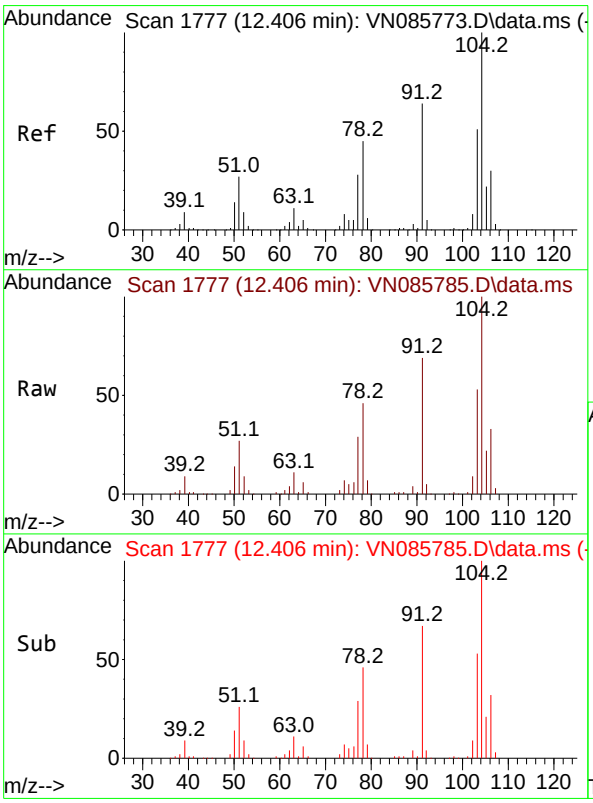
#69
o-Xylene
Concen: 19.104 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:106 Resp: 110947

Ion	Ratio	Lower	Upper
106	100		
91	211.3	107.1	321.4

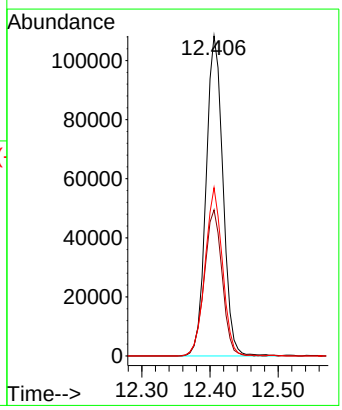


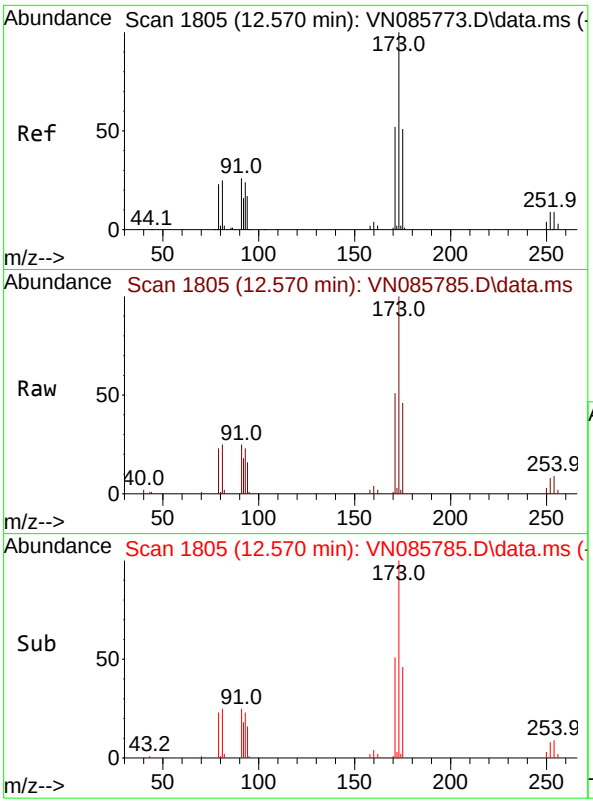


#70
Styrene
Concen: 18.723 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:104 Resp: 186581

Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.0	58.6
103	54.1	43.3	64.9



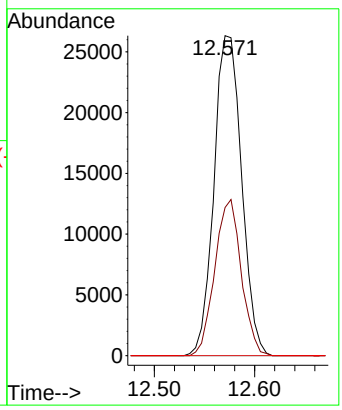


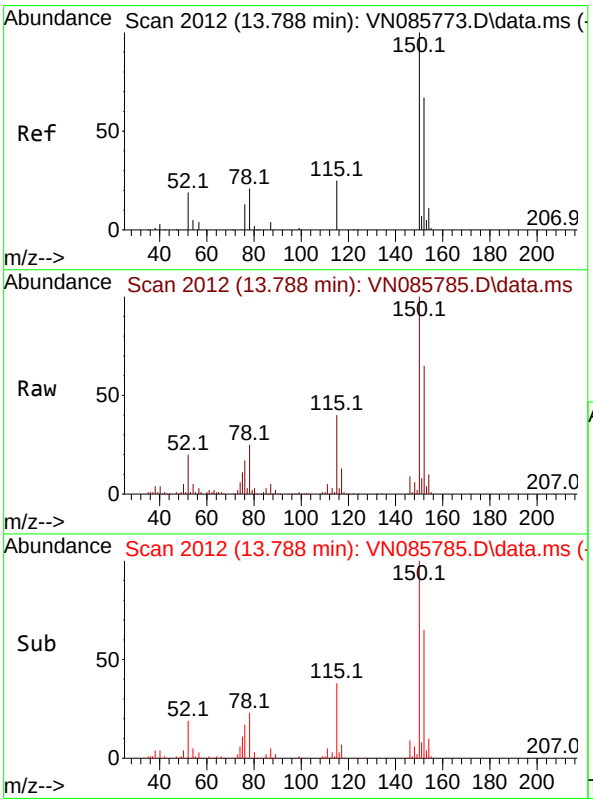
#71
Bromoform
Concen: 18.341 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:173 Resp: 50314

Ion	Ratio	Lower	Upper
173	100		
175	46.7	25.1	75.4
254	0.0	0.0	0.0

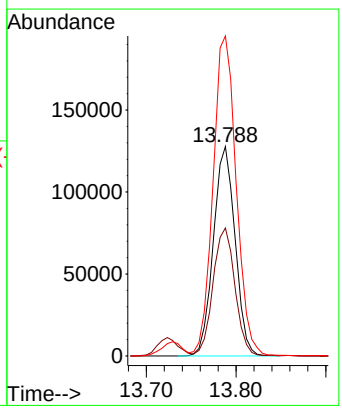


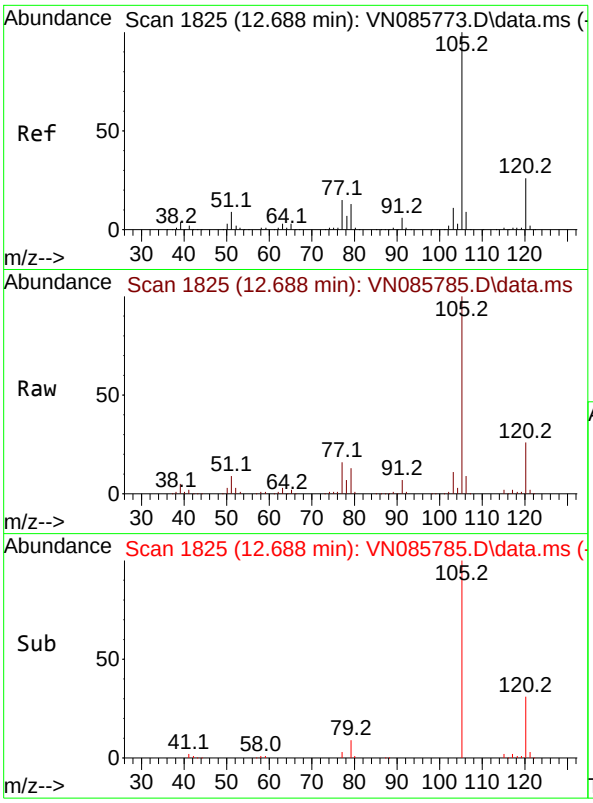


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:152 Resp: 214627

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.4	91.3
150	163.4	0.0	345.4



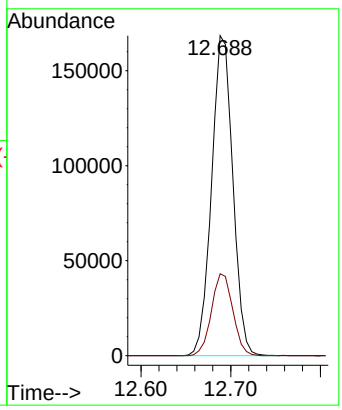


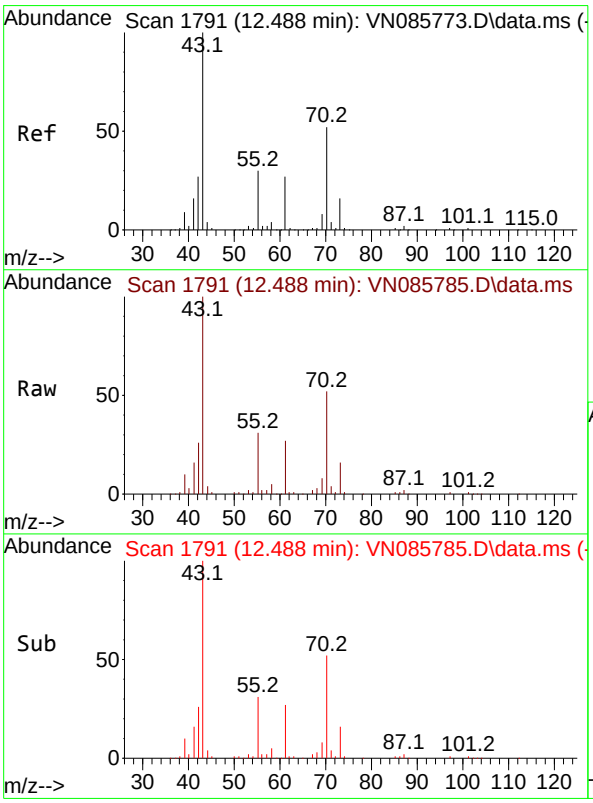
#73
Isopropylbenzene
Concen: 18.836 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:105 Resp: 276962

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	39.0

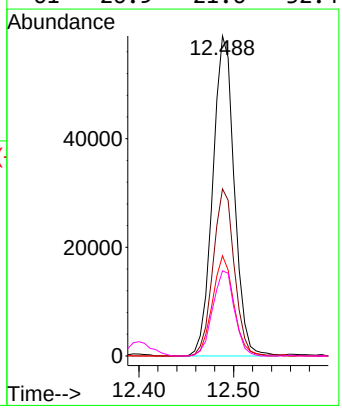


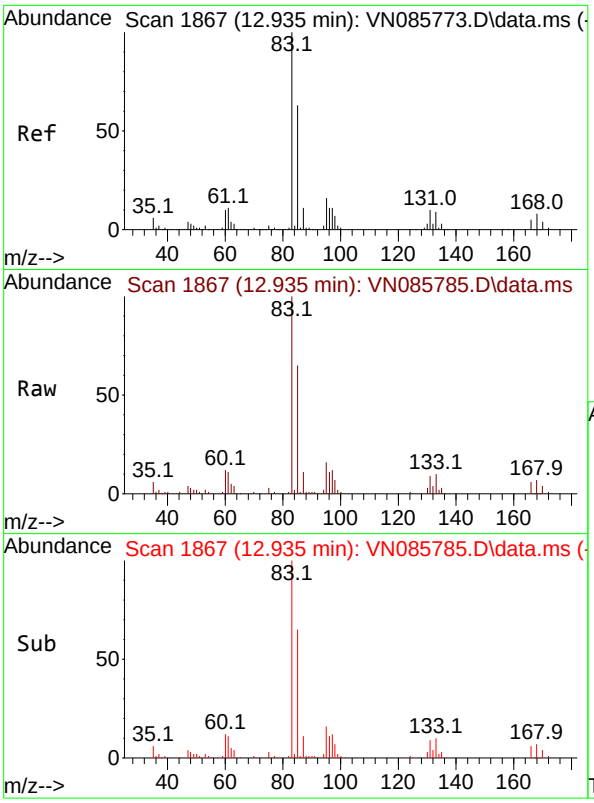


#74
N-amyl acetate
Concen: 17.952 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 43 Resp: 93083

Ion	Ratio	Lower	Upper
43	100		
70	51.6	41.0	61.4
55	30.8	24.6	36.8
61	26.9	21.6	32.4



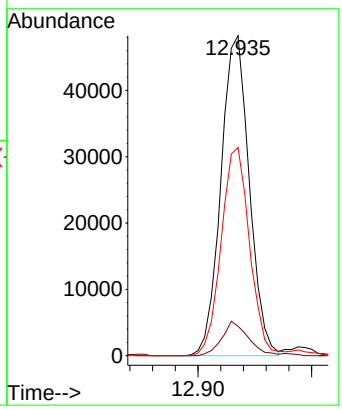


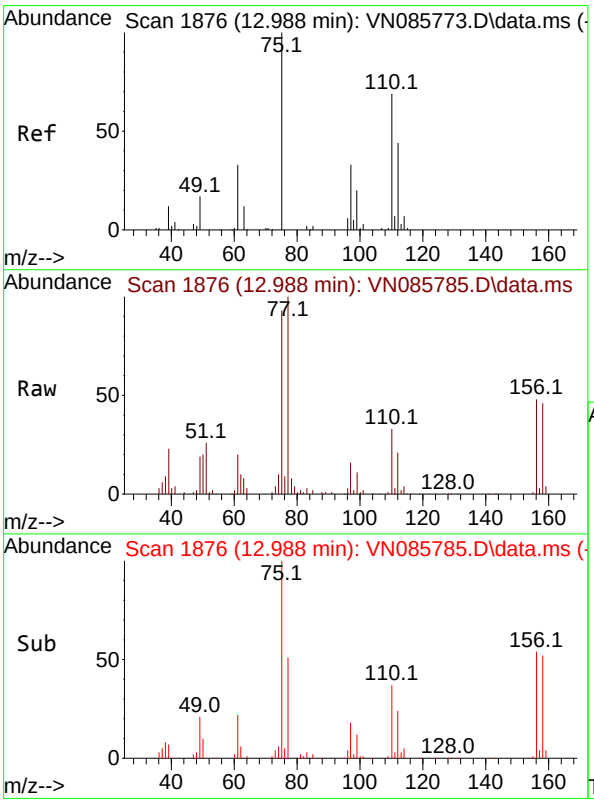
#75
1,1,2,2-Tetrachloroethane
Concen: 16.559 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 83 Resp: 83784

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	65.1	32.2	96.6

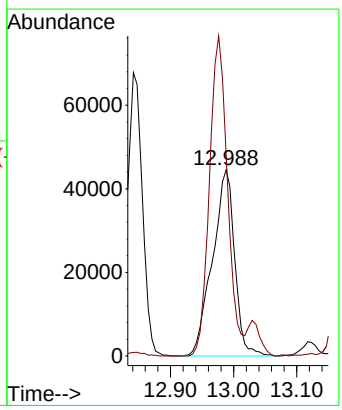


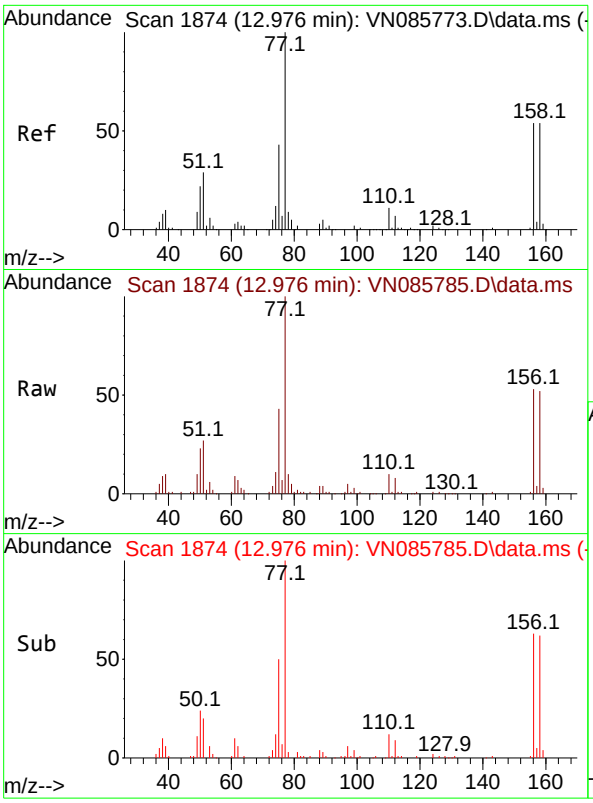


#76
1,2,3-Trichloropropane
Concen: 22.841 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 108898

Ion	Ratio	Lower	Upper
75	100		
77	140.3	100.0	300.0



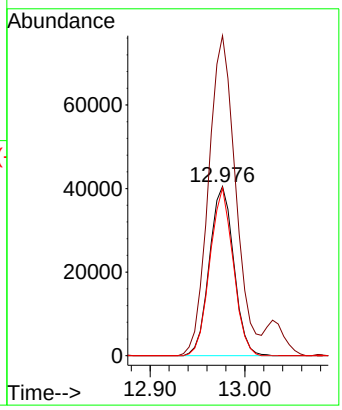


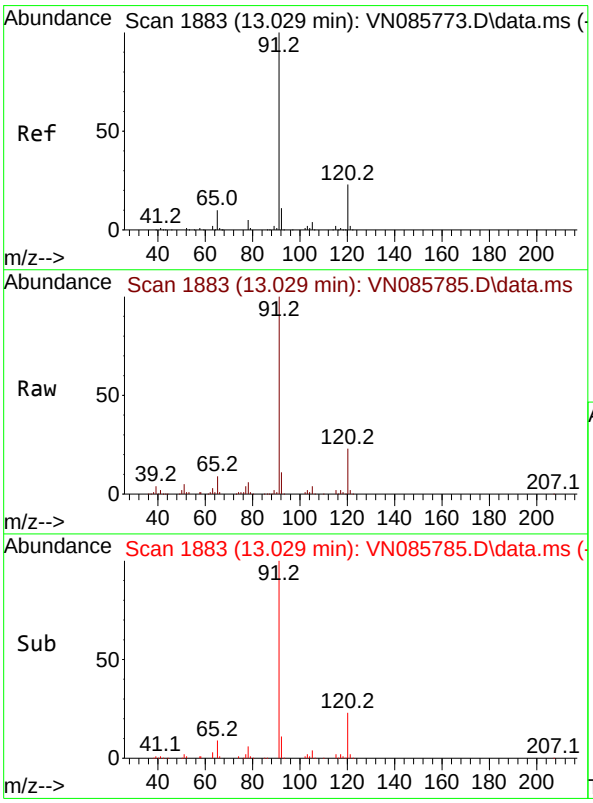
#77
Bromobenzene
Concen: 18.216 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:156 Resp: 72364

Ion	Ratio	Lower	Upper
156	100		
77	211.1	104.1	312.3
158	94.7	48.1	144.4

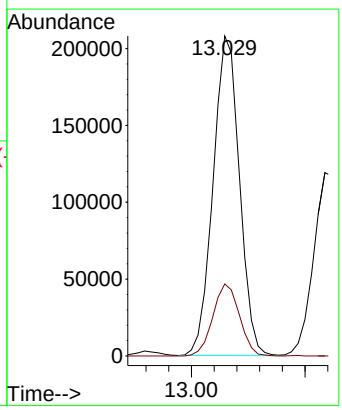


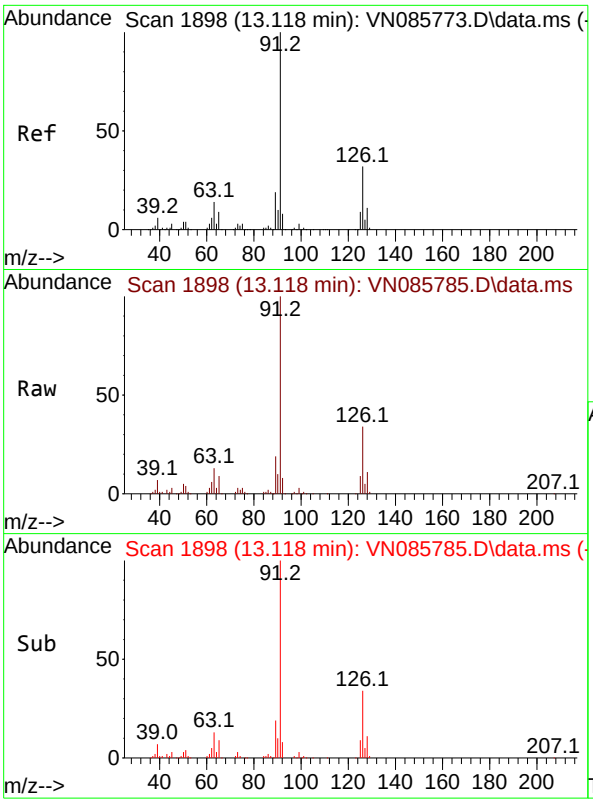


#78
n-propylbenzene
Concen: 19.882 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 91 Resp: 334808

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8



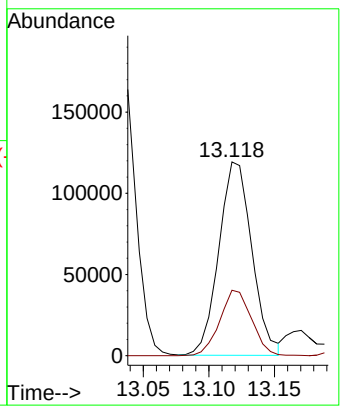


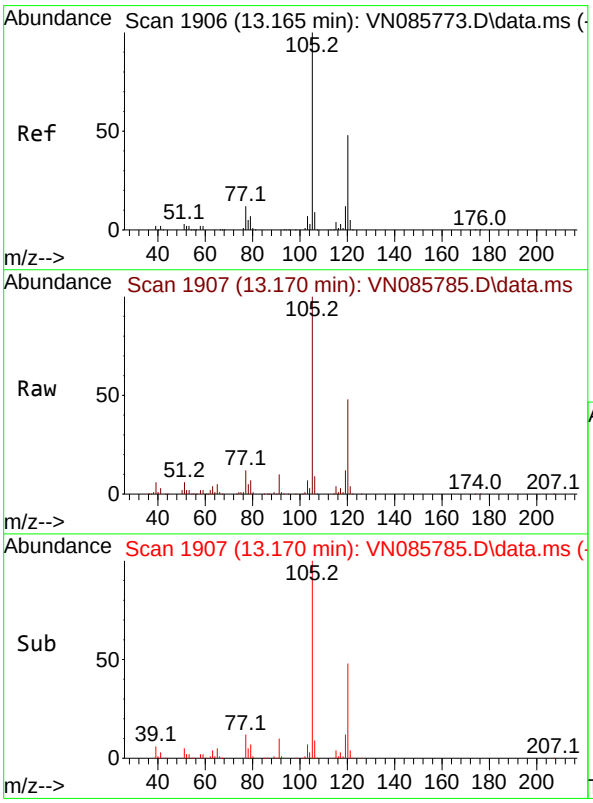
#79
2-Chlorotoluene
Concen: 18.592 ug/l
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 91 Resp: 209179

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1

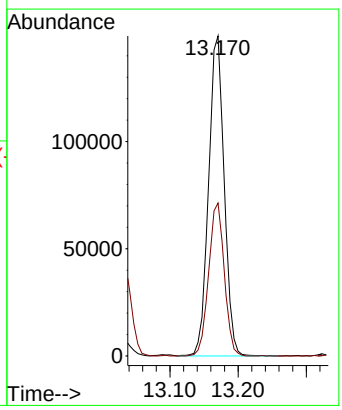


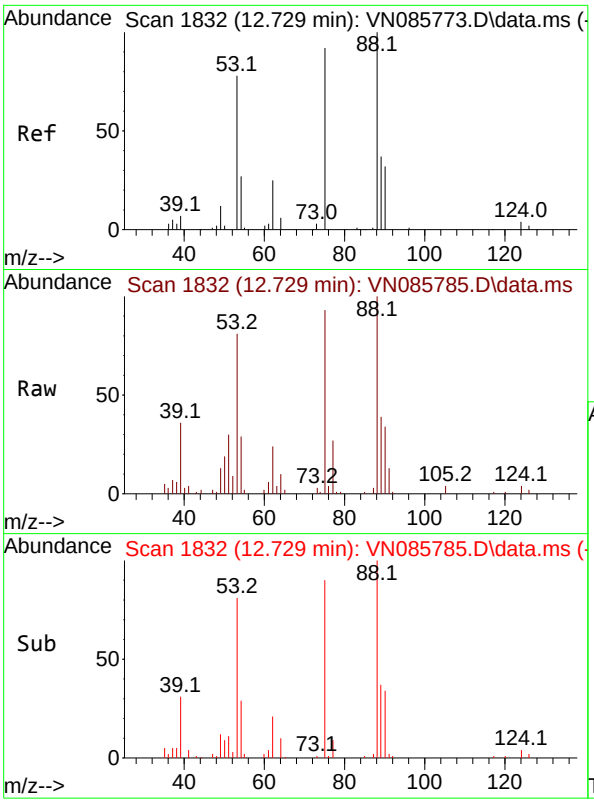


#80
1,3,5-Trimethylbenzene
Concen: 19.868 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:105 Resp: 237981

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	72.9



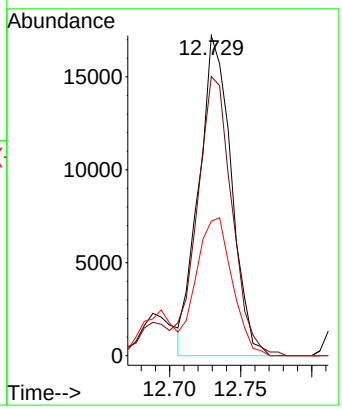


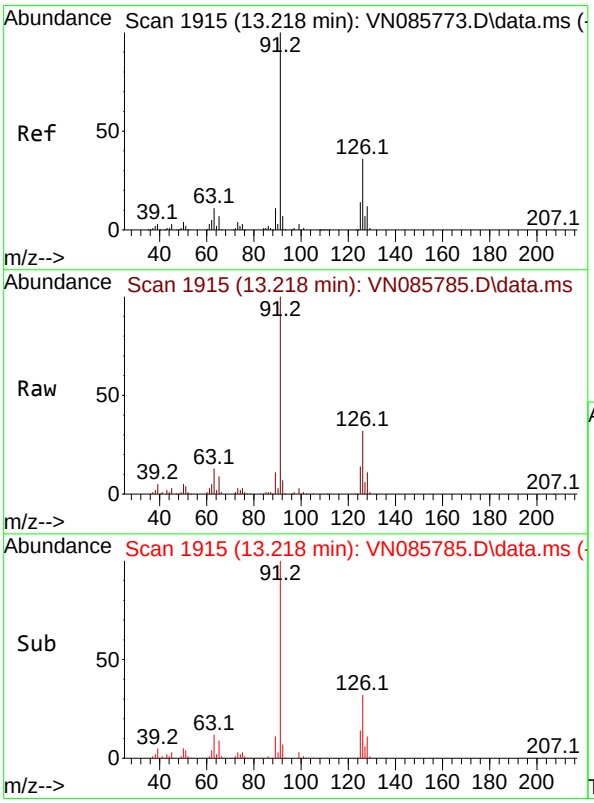
#81
trans-1,4-Dichloro-2-butene
Concen: 16.694 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 75 Resp: 27278

Ion	Ratio	Lower	Upper
75	100		
53	93.8	74.2	111.4
89	47.8	34.9	52.3

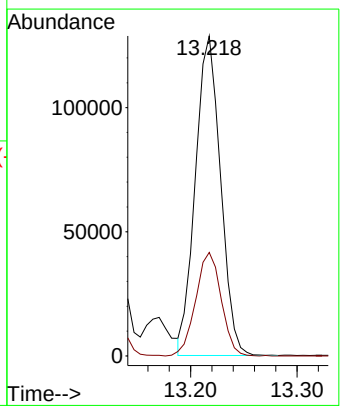


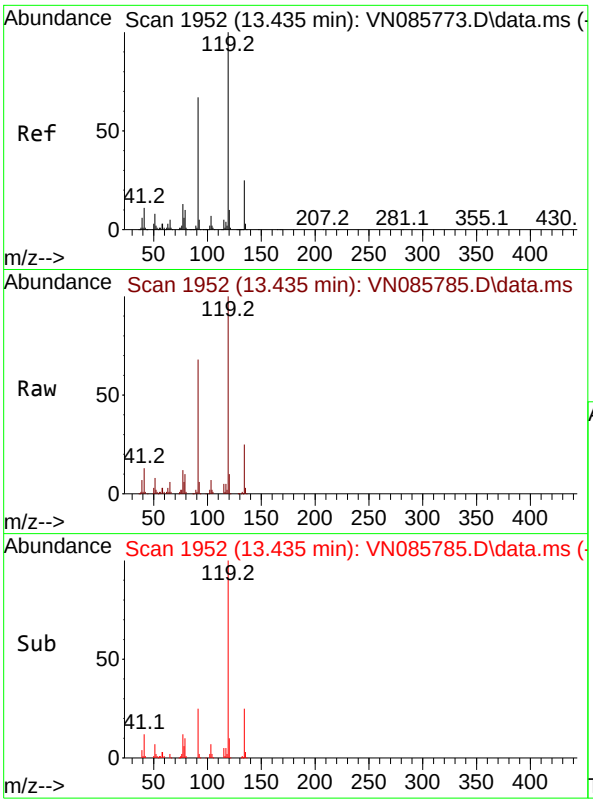


#82
4-Chlorotoluene
Concen: 18.936 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 91 Resp: 211210

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



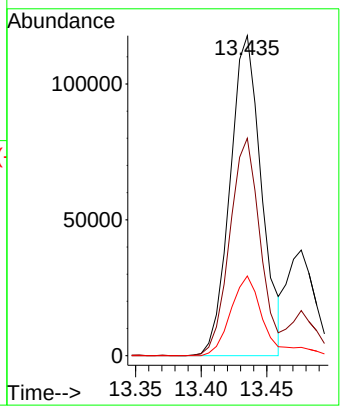


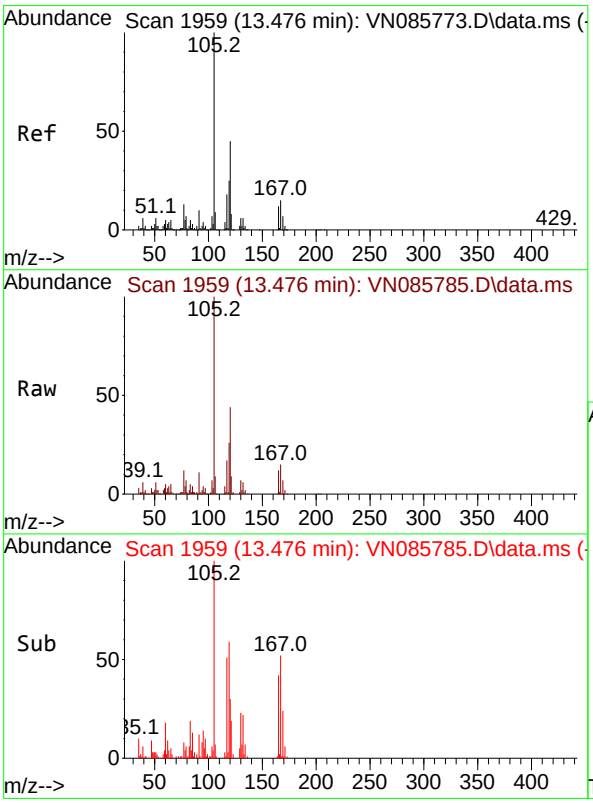
#83
tert-Butylbenzene
Concen: 19.540 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:119 Resp: 196815

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.5	97.5
134	26.3	13.3	39.9

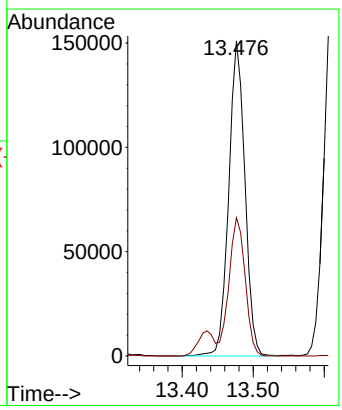


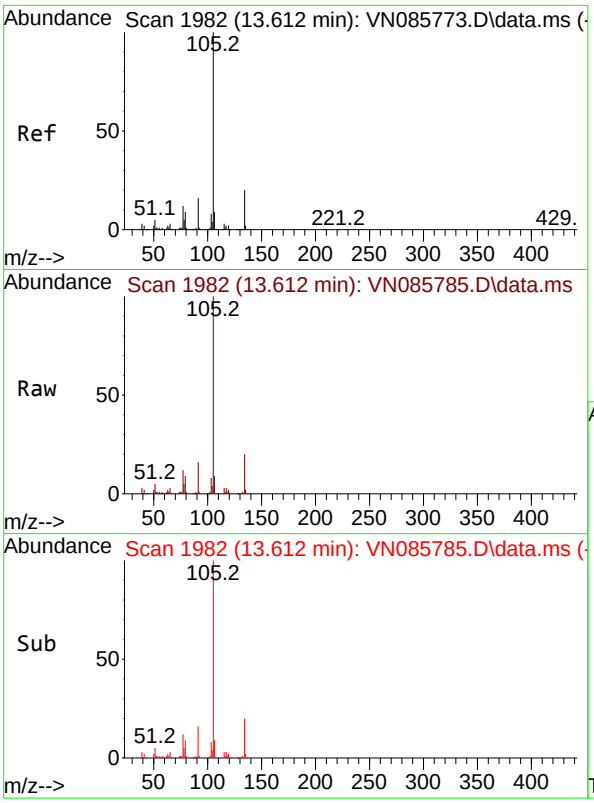


#84
1,2,4-Trimethylbenzene
Concen: 20.154 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:105 Resp: 238828

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3



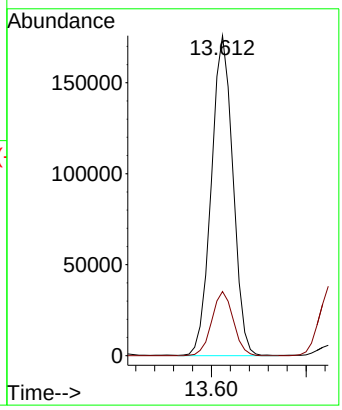


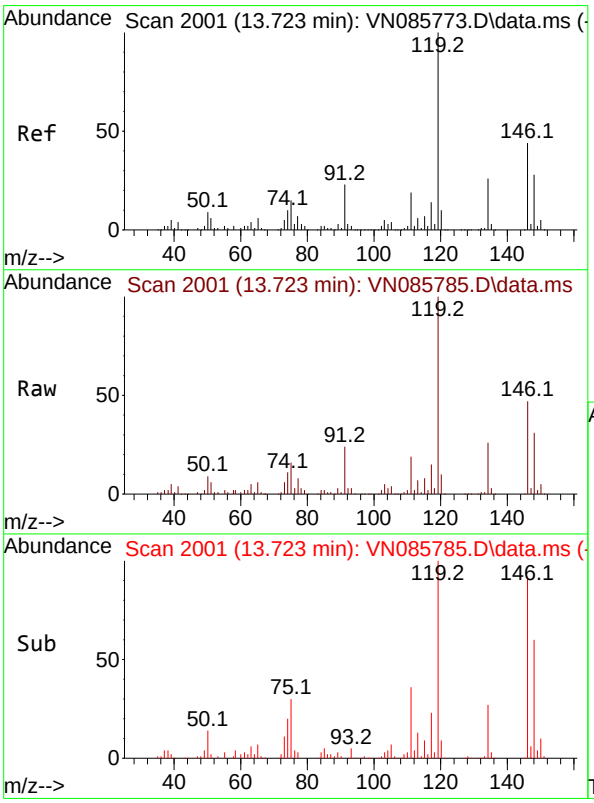
#85
sec-Butylbenzene
Concen: 19.623 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:105 Resp: 279259

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

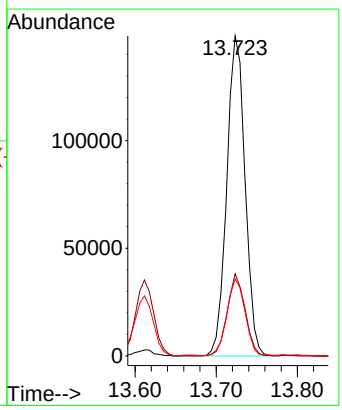


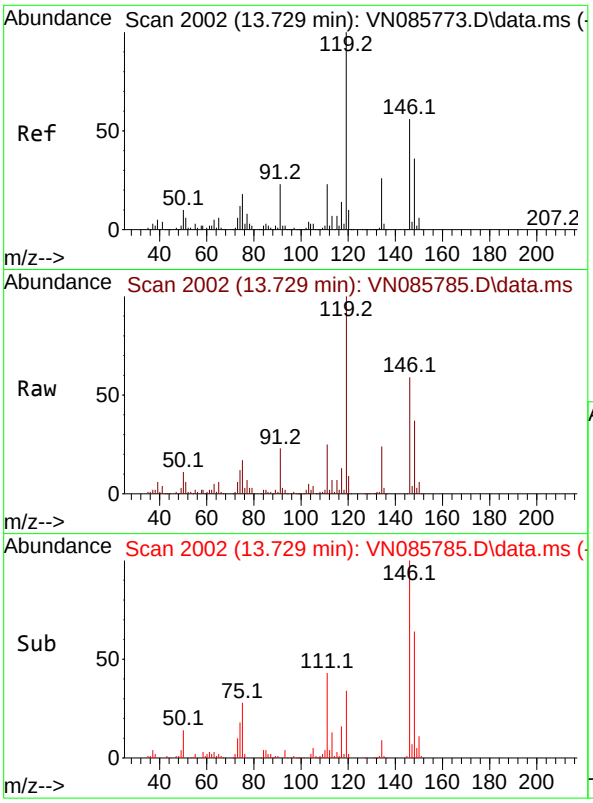


#86
p-Isopropyltoluene
Concen: 19.175 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:119 Resp: 232973

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	23.7	11.7	35.1



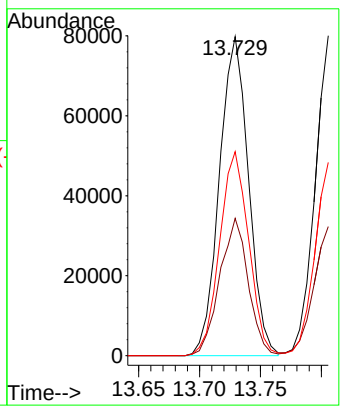


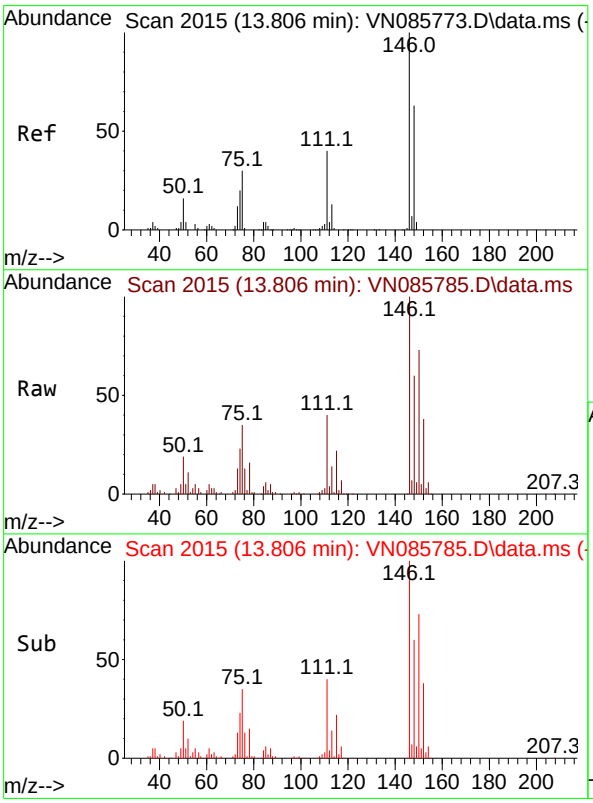
#87
1,3-Dichlorobenzene
Concen: 17.824 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:146 Resp: 132661

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	64.0	32.1	96.5

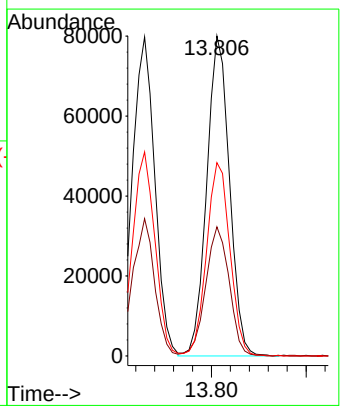


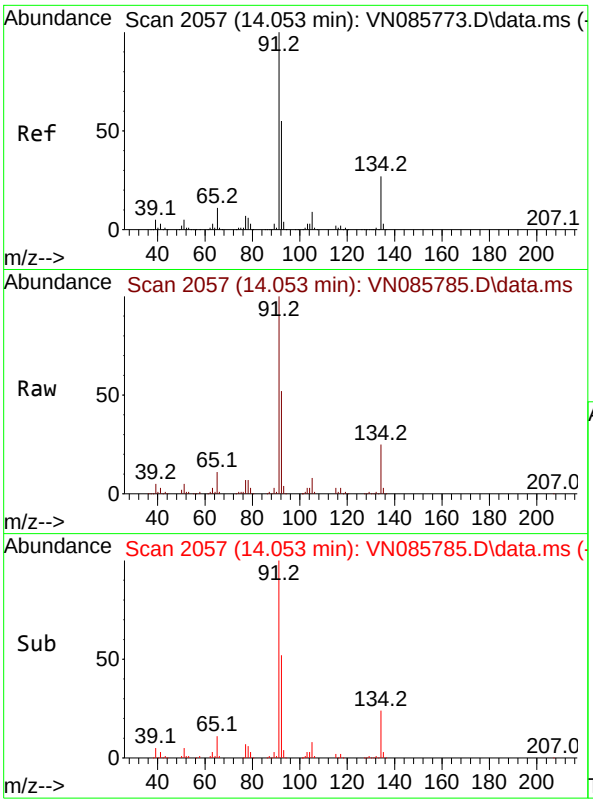


#88
1,4-Dichlorobenzene
Concen: 17.478 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:146 Resp: 133326

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	62.0	31.8	95.4



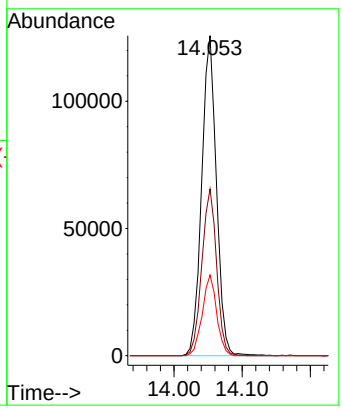


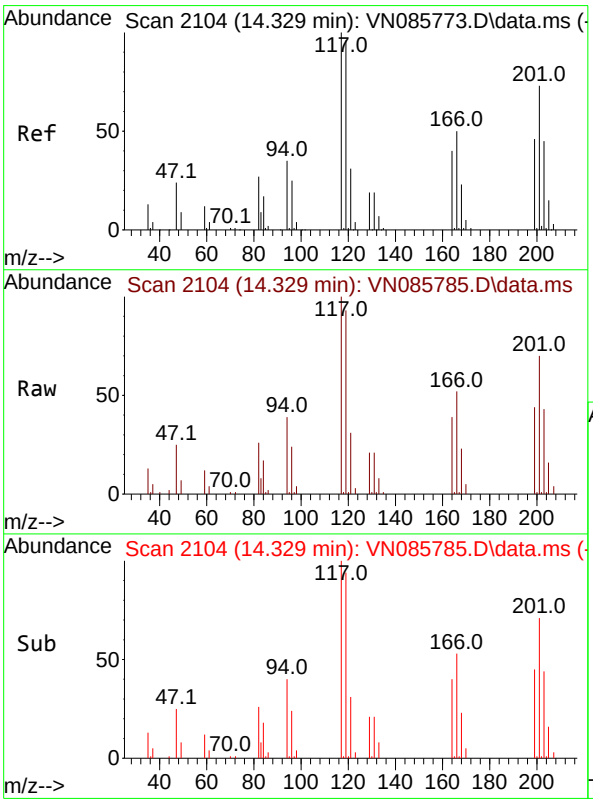
#89
n-Butylbenzene
Concen: 18.724 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion: 91 Resp: 189182

Ion	Ratio	Lower	Upper
91	100		
92	52.3	27.1	81.3
134	24.6	12.7	38.1

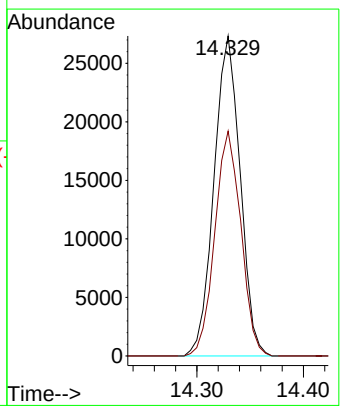


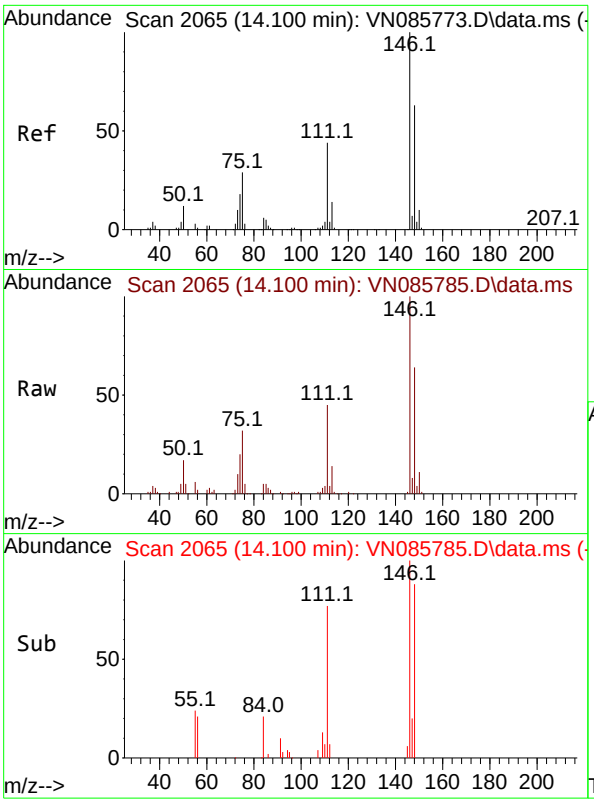


#90
Hexachloroethane
Concen: 17.311 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:117 Resp: 46657

Ion	Ratio	Lower	Upper
117	100		
201	69.9	35.6	106.9



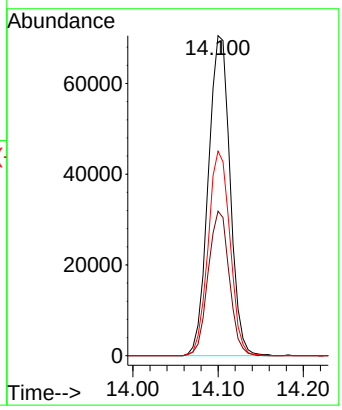


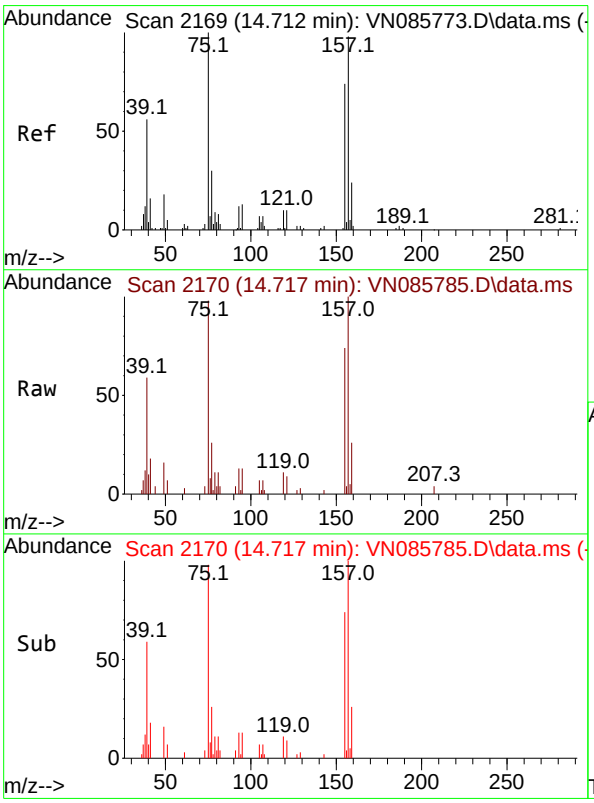
#91
1,2-Dichlorobenzene
Concen: 17.493 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:146 Resp: 125196

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.3
148	64.0	32.0	96.2

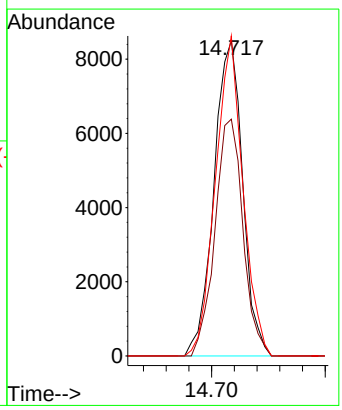


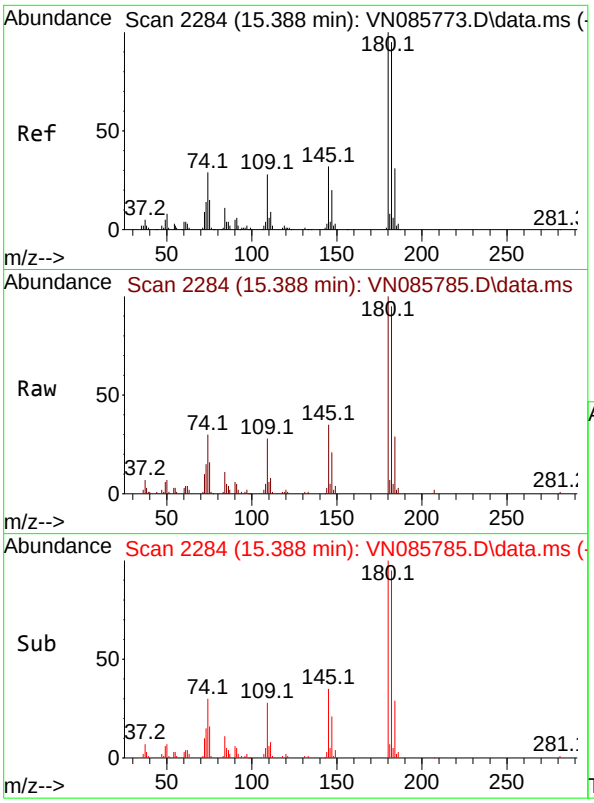


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.006 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion: 75 Resp: 14872

Ion	Ratio	Lower	Upper
75	100		
155	73.6	39.9	119.6
157	97.2	49.9	149.7



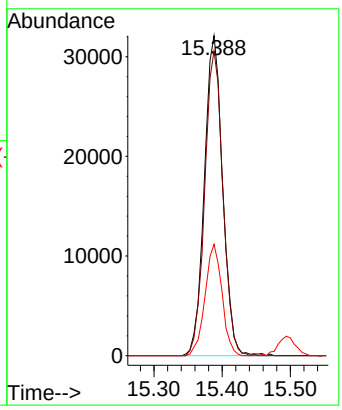


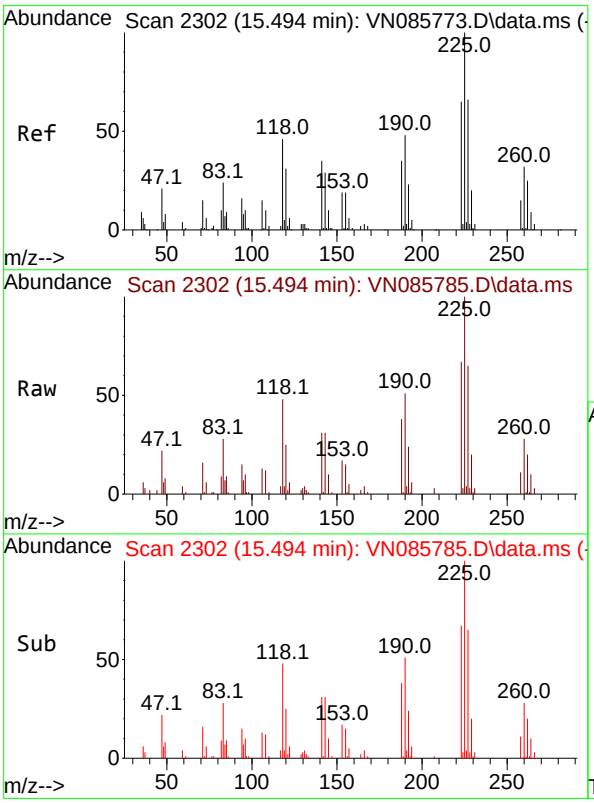
#93
1,2,4-Trichlorobenzene
Concen: 17.550 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:180 Resp: 59852

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	32.3	16.2	48.5

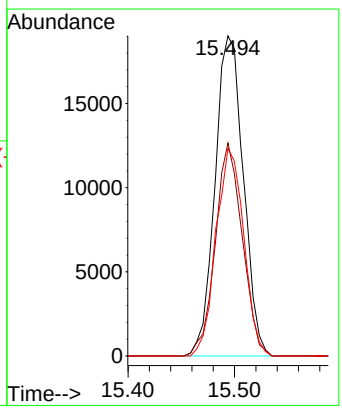


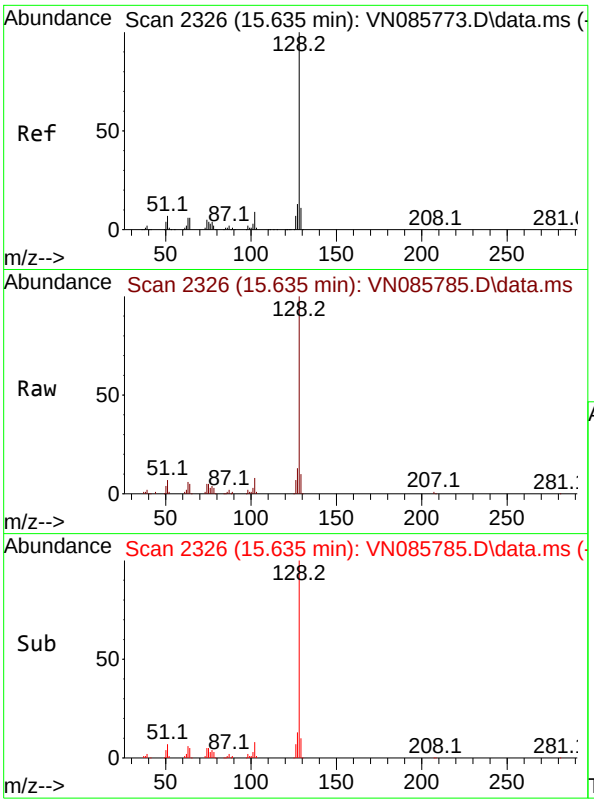


#94
Hexachlorobutadiene
Concen: 16.944 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:225 Resp: 35118

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	63.7	32.2	96.6



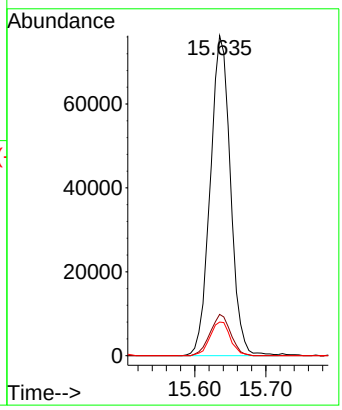


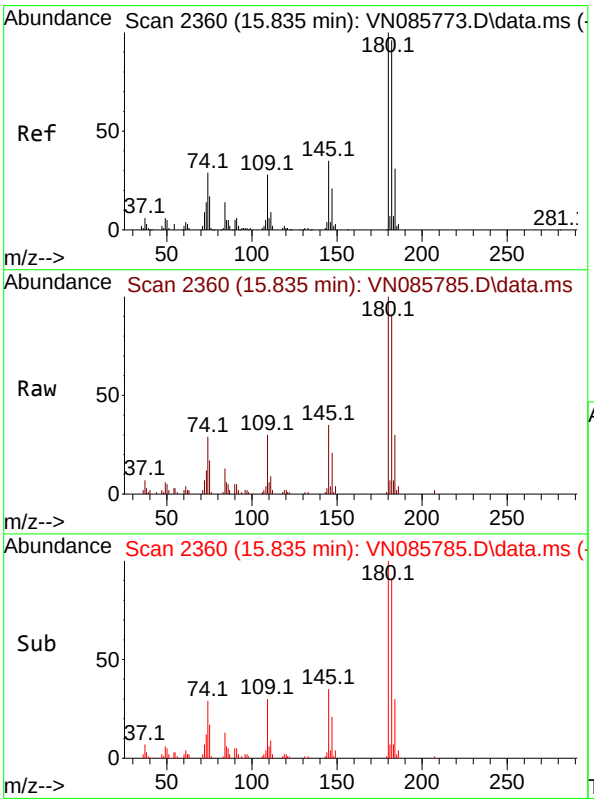
#95
Naphthalene
Concen: 16.100 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tgt Ion:128 Resp: 150740

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.7	13.1

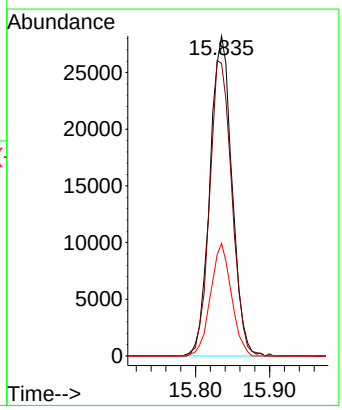




#96
1,2,3-Trichlorobenzene
Concen: 16.986 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085785.D
Acq: 19 Feb 2025 12:49

Tgt Ion:180 Resp: 58155

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	141.8
145	33.2	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	291949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	482343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	419097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	199880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	209994	55.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.960%			
35) Dibromofluoromethane	8.159	113	172581	54.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.360%			
50) Toluene-d8	10.559	98	633017	55.125	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.260%			
62) 4-Bromofluorobenzene	12.847	95	214234	56.623	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	68335	17.208	ug/l	99
3) Chloromethane	2.359	50	65887	16.535	ug/l	97
4) Vinyl Chloride	2.518	62	70955	16.817	ug/l	95
5) Bromomethane	2.965	94	46166	17.113	ug/l	92
6) Chloroethane	3.124	64	45233	16.186	ug/l	98
7) Trichlorofluoromethane	3.506	101	102093	16.713	ug/l	98
8) Diethyl Ether	3.959	74	36195	18.313	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	60484	17.129	ug/l	99
10) Methyl Iodide	4.589	142	76448	17.564	ug/l	99
11) Tert butyl alcohol	5.512	59	41697	89.569	ug/l	99
12) 1,1-Dichloroethene	4.342	96	54998	17.178	ug/l	97
13) Acrolein	4.177	56	65423	94.768	ug/l	99
14) Allyl chloride	5.024	41	72622	17.277	ug/l	97
15) Acrylonitrile	5.712	53	136306	90.066	ug/l	99
16) Acetone	4.418	43	108199	90.343	ug/l	98
17) Carbon Disulfide	4.712	76	151093	15.924	ug/l	99
18) Methyl Acetate	5.018	43	74381	18.057	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	182911	19.226	ug/l	100
20) Methylene Chloride	5.271	84	66321	17.220	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	58286	16.907	ug/l	95
22) Diisopropyl ether	6.665	45	182697	19.235	ug/l	99
23) Vinyl Acetate	6.600	43	676693	104.052	ug/l	100
24) 1,1-Dichloroethane	6.565	63	111812	17.317	ug/l	100
25) 2-Butanone	7.477	43	161082	91.422	ug/l	97
26) 2,2-Dichloropropane	7.483	77	98544	17.164	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	70342	17.598	ug/l	99
28) Bromochloromethane	7.812	49	49350	18.596	ug/l	99
29) Tetrahydrofuran	7.835	42	107184	94.205	ug/l	100
30) Chloroform	7.959	83	117979	17.485	ug/l	96
31) Cyclohexane	8.253	56	88578	16.385	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	103361	17.222	ug/l	97
36) 1,1-Dichloropropene	8.365	75	77917	17.443	ug/l	99
37) Ethyl Acetate	7.553	43	69804	18.989	ug/l	97
38) Carbon Tetrachloride	8.359	117	90380	17.028	ug/l	94
39) Methylcyclohexane	9.594	83	75943	17.306	ug/l	95
40) Benzene	8.600	78	254524	17.778	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	38602	19.644	ug/l		99
42) 1,2-Dichloroethane	8.665	62	85033	18.234	ug/l		99
43) Isopropyl Acetate	8.682	43	119146	18.120	ug/l		100
44) Trichloroethene	9.347	130	58797	16.727	ug/l		98
45) 1,2-Dichloropropane	9.618	63	62628	18.123	ug/l		99
46) Dibromomethane	9.706	93	44217	18.140	ug/l		99
47) Bromodichloromethane	9.882	83	93945	18.014	ug/l		99
48) Methyl methacrylate	9.677	41	51605	18.903	ug/l		99
49) 1,4-Dioxane	9.688	88	19373	373.170	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	341162	96.260	ug/l		100
52) Toluene	10.624	92	157605	18.780	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	90168	18.698	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	99549	18.825	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	59722	17.898	ug/l		97
56) Ethyl methacrylate	10.871	69	82232	18.745	ug/l		98
57) 1,3-Dichloropropane	11.159	76	101726	18.263	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	205579	127.372	ug/l		100
59) 2-Hexanone	11.188	43	237858	97.555	ug/l		99
60) Dibromochloromethane	11.353	129	73246	18.852	ug/l		99
61) 1,2-Dibromoethane	11.465	107	58358	18.511	ug/l		98
64) Tetrachloroethene	11.100	164	56894	17.523	ug/l		98
65) Chlorobenzene	11.888	112	167918	17.490	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.953	131	61128	17.714	ug/l		99
67) Ethyl Benzene	11.959	91	269597	17.926	ug/l		97
68) m/p-Xylenes	12.065	106	214661	37.576	ug/l		99
69) o-Xylene	12.394	106	100658	18.543	ug/l		100
70) Styrene	12.406	104	168188	18.098	ug/l		98
71) Bromoform	12.576	173	47351	18.466	ug/l	#	96
73) Isopropylbenzene	12.694	105	248434	18.142	ug/l		99
74) N-amyl acetate	12.488	43	88150	18.254	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	82814	17.575	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	105996	23.873	ug/l		57
77) Bromobenzene	12.976	156	65513	17.708	ug/l		95
78) n-propylbenzene	13.029	91	292124	18.627	ug/l		100
79) 2-Chlorotoluene	13.123	91	186830	17.830	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	212280	19.030	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	27548	18.103	ug/l		95
82) 4-Chlorotoluene	13.217	91	187674	18.067	ug/l		99
83) tert-Butylbenzene	13.435	119	172030	18.340	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	210395	19.064	ug/l		99
85) sec-Butylbenzene	13.612	105	245503	18.524	ug/l		100
86) p-Isopropyltoluene	13.723	119	202304	17.957	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	120286	17.354	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	121293	17.073	ug/l		100
89) n-Butylbenzene	14.053	91	162853	17.307	ug/l		98
90) Hexachloroethane	14.329	117	41839	16.669	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	113836	17.079	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14204	16.415	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	52980	16.681	ug/l		98
94) Hexachlorobutadiene	15.494	225	30731	15.921	ug/l		97
95) Naphthalene	15.635	128	144340	16.554	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	53127	16.662	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

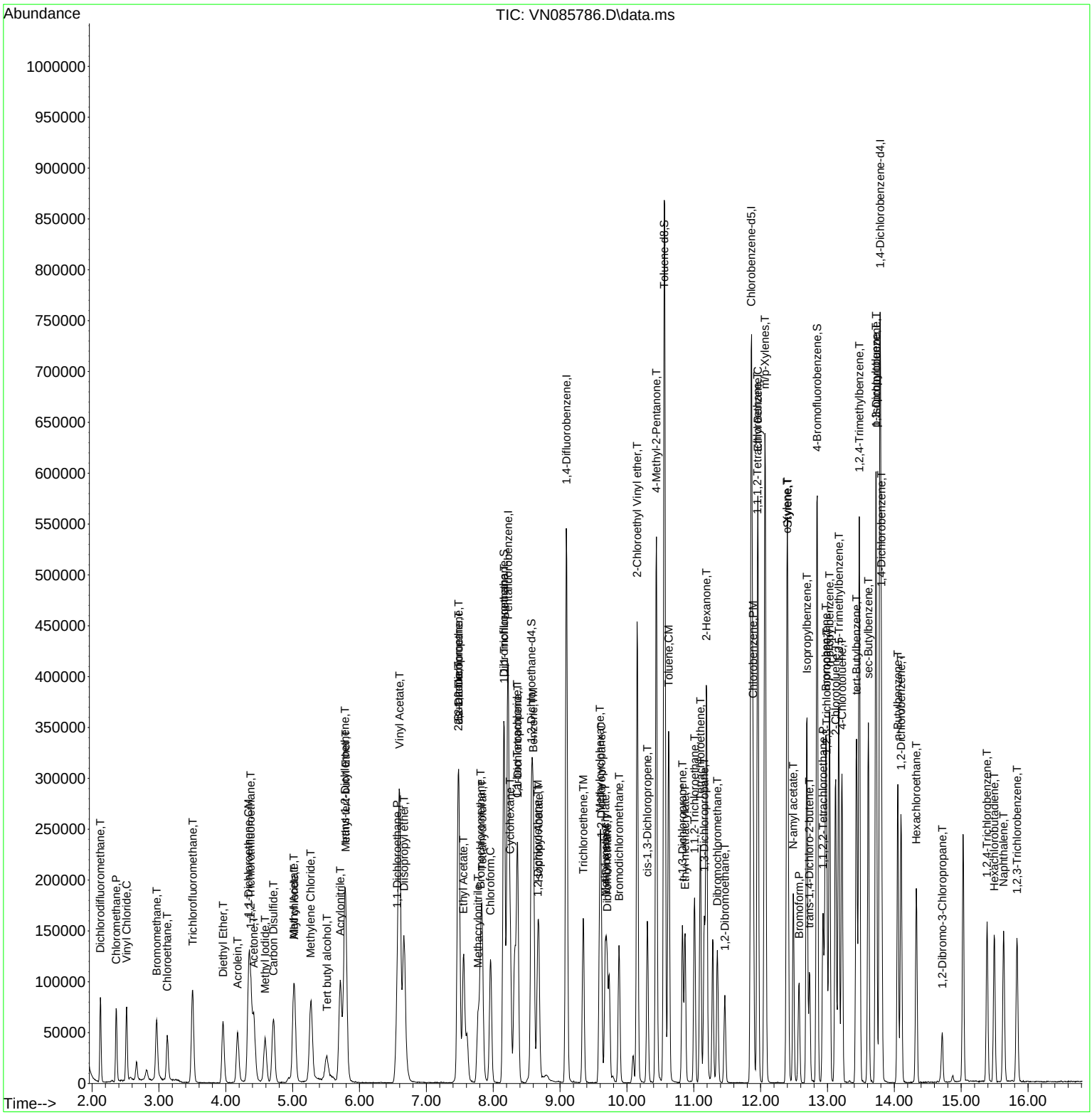
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

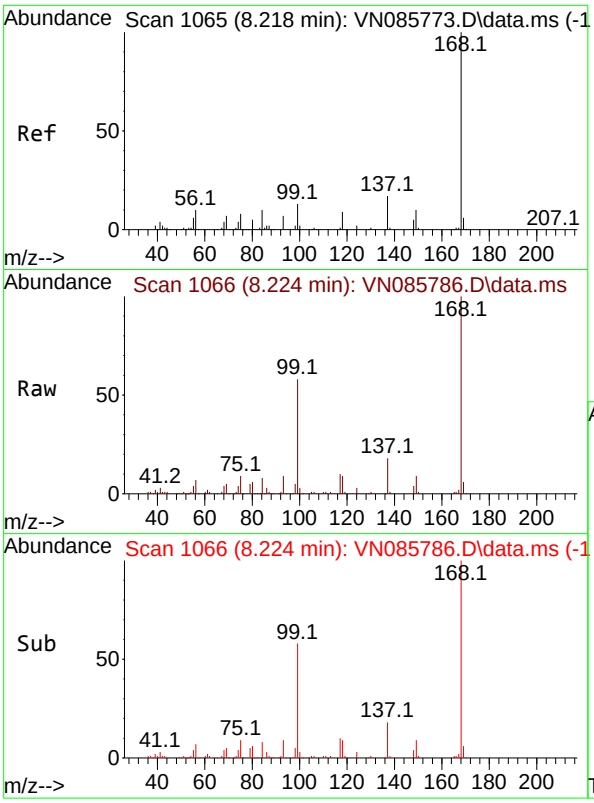
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085786.D
Acq On : 19 Feb 2025 13:22
Operator : JC\MD
Sample : VN0219WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Quant Time: Feb 20 00:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



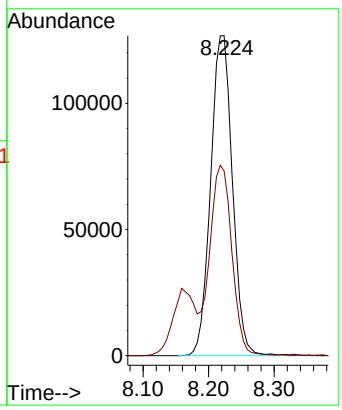


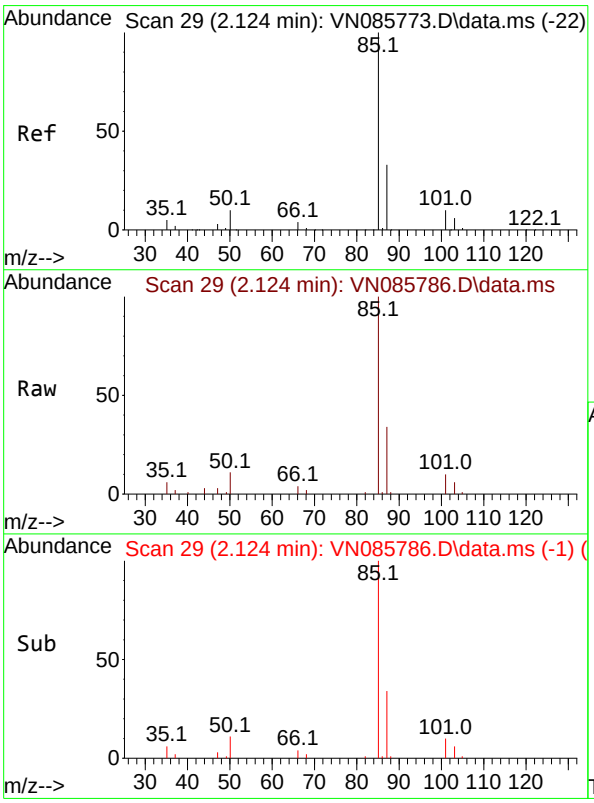
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:168 Resp: 291949

Ion	Ratio	Lower	Upper
168	100		
99	57.4	47.9	71.9

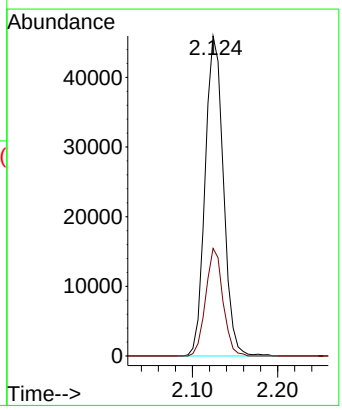


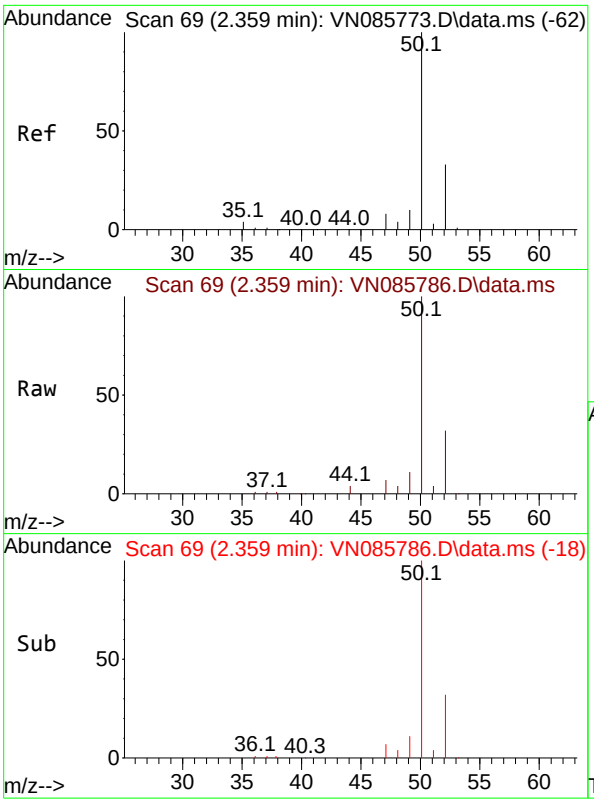


#2
Dichlorodifluoromethane
Concen: 17.208 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 85 Resp: 68335

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.4	49.2



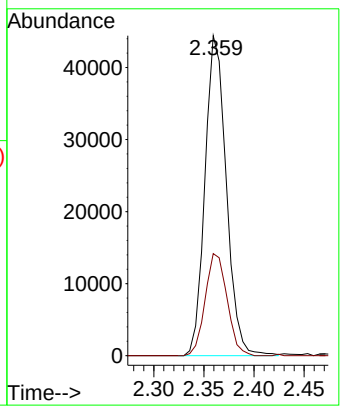


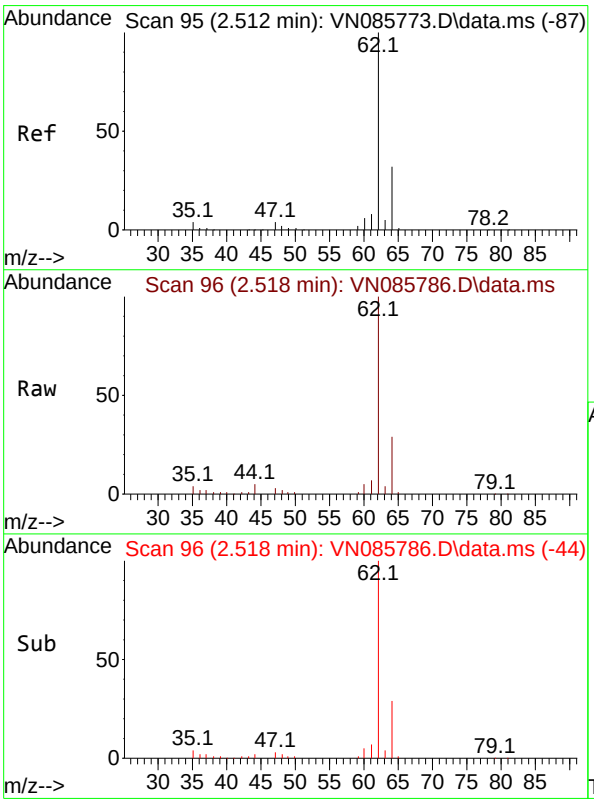
#3
Chloromethane
Concen: 16.535 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 50 Resp: 65887

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.7	40.1

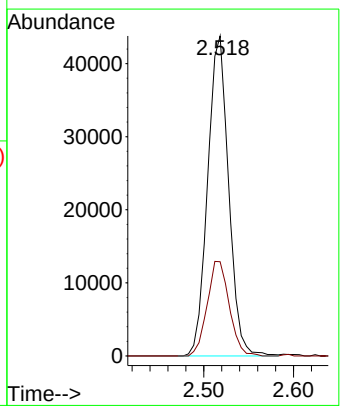


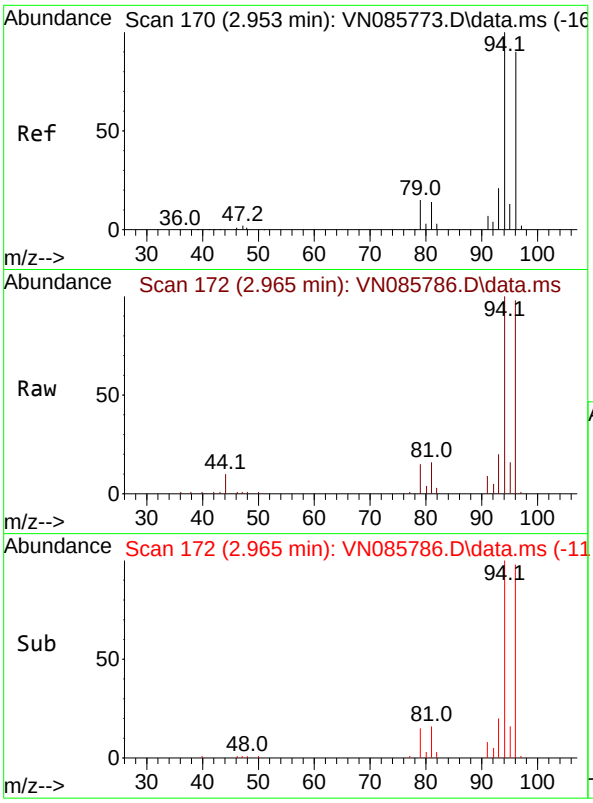


#4
Vinyl Chloride
Concen: 16.817 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 62 Resp: 70955

Ion	Ratio	Lower	Upper
62	100		
64	29.5	25.9	38.9



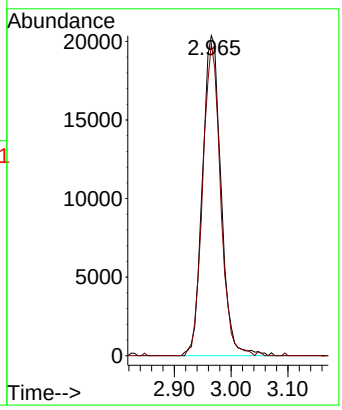


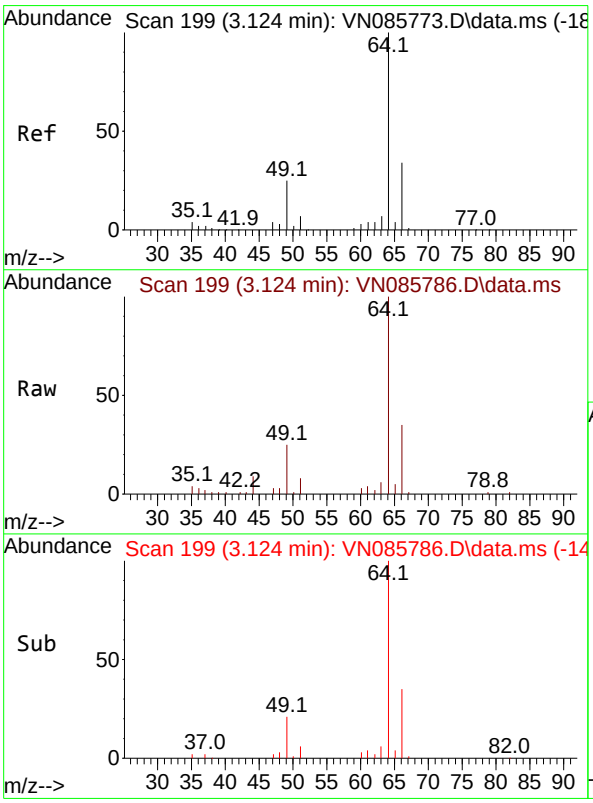
#5
Bromomethane
Concen: 17.113 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 94 Resp: 46166

Ion	Ratio	Lower	Upper
94	100		
96	97.5	71.7	107.5

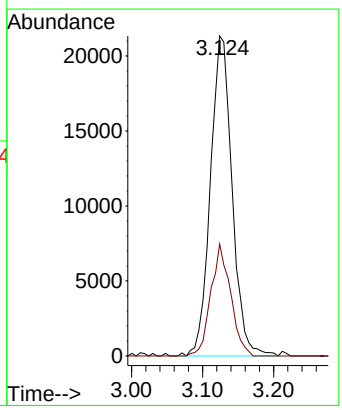


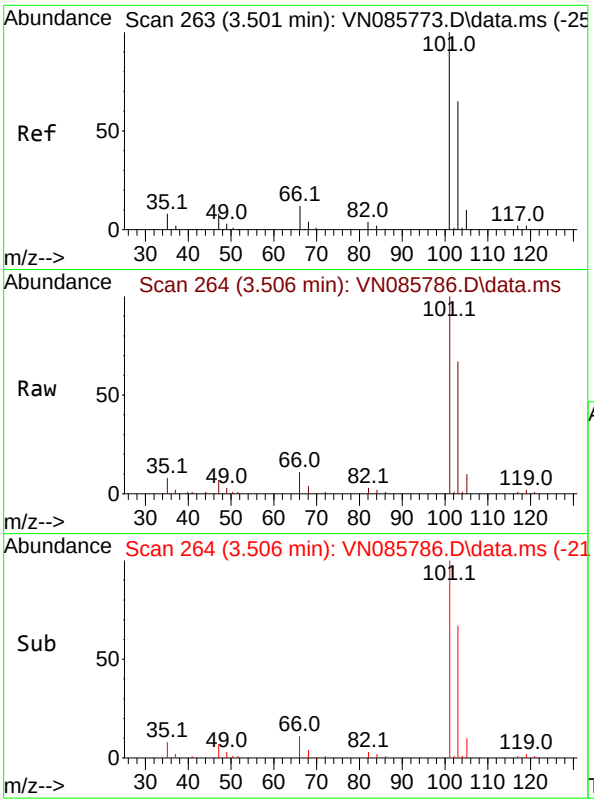


#6
Chloroethane
Concen: 16.186 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 64 Resp: 45233

Ion	Ratio	Lower	Upper
64	100		
66	35.0	27.0	40.6



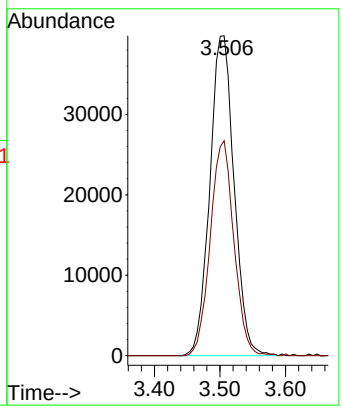


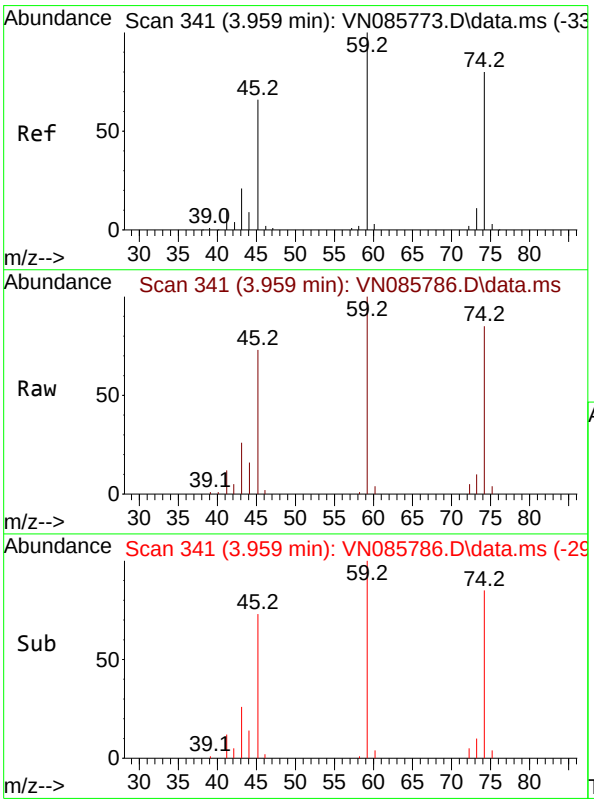
#7
Trichlorofluoromethane
Concen: 16.713 ug/l
RT: 3.506 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:101 Resp: 102093

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.2	78.4

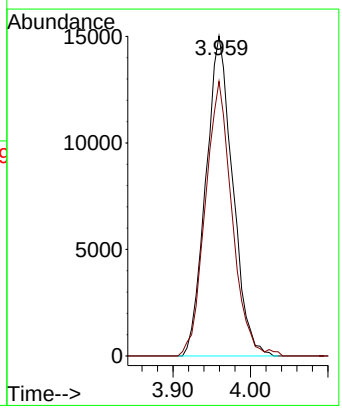


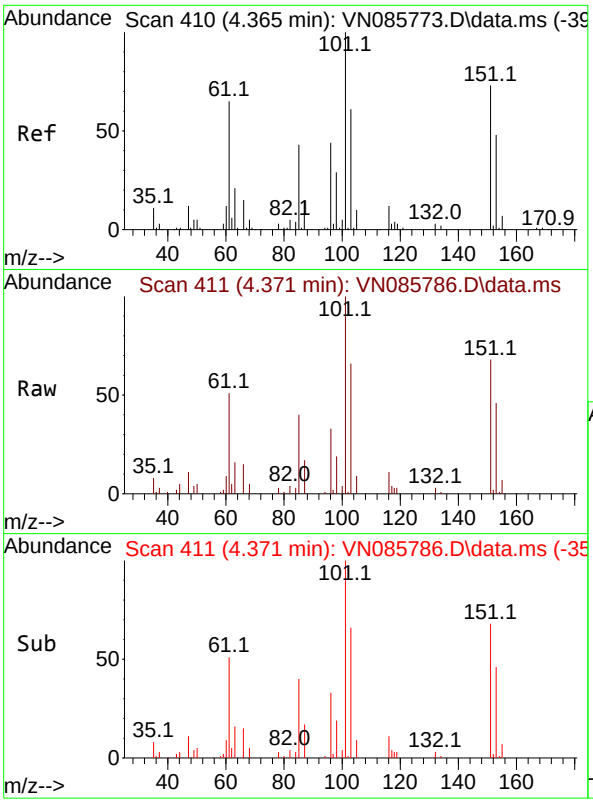


#8
Diethyl Ether
Concen: 18.313 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 74 Resp: 36195

Ion	Ratio	Lower	Upper
74	100		
45	85.4	42.5	127.6



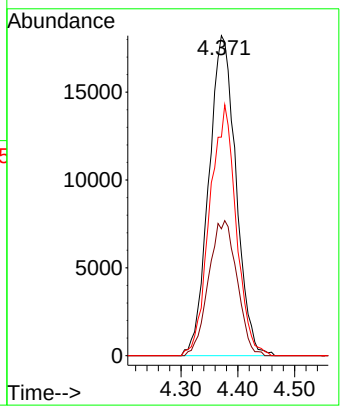


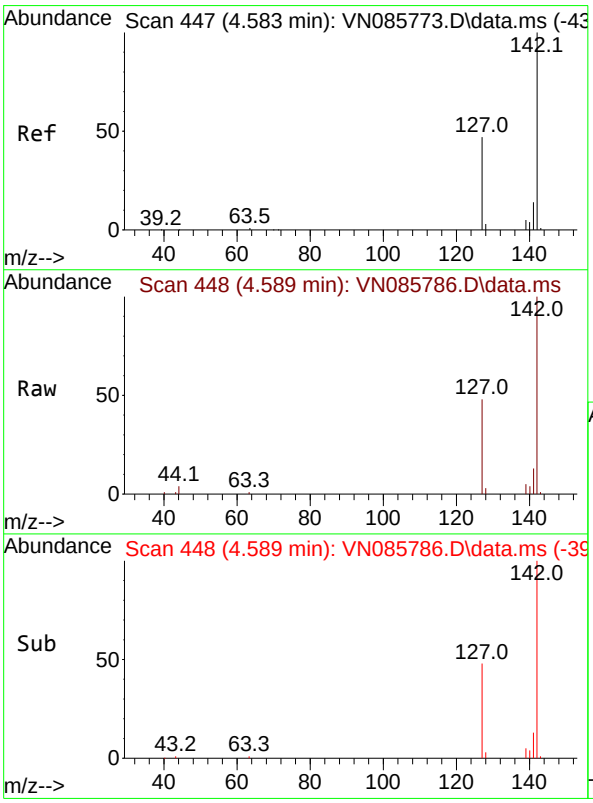
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.129 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:101 Resp: 60484

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.7	53.5
151	76.2	61.4	92.2

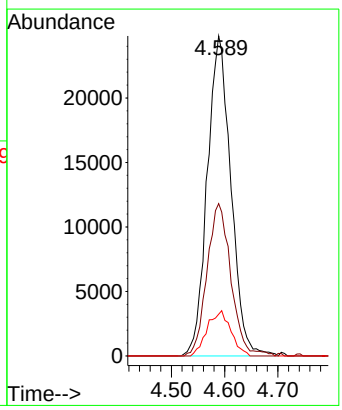


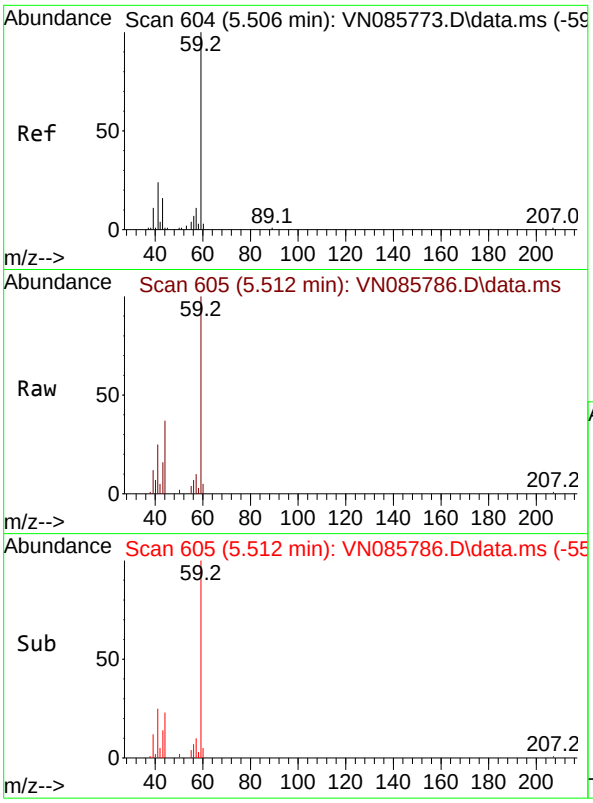


#10
Methyl Iodide
Concen: 17.564 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:142 Resp: 76448

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.6	56.4
141	13.1	11.4	17.2



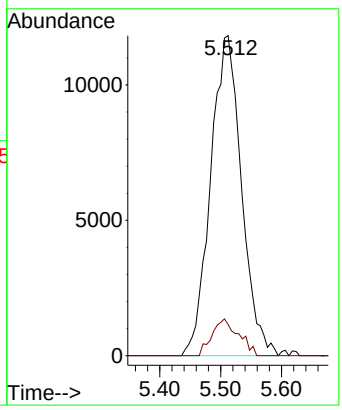


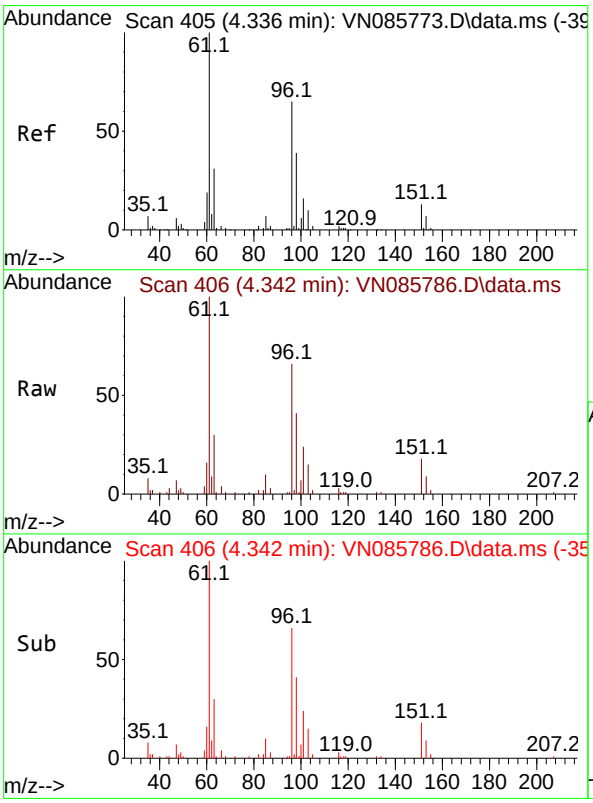
#11
Tert butyl alcohol
Concen: 89.569 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 59 Resp: 41697

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

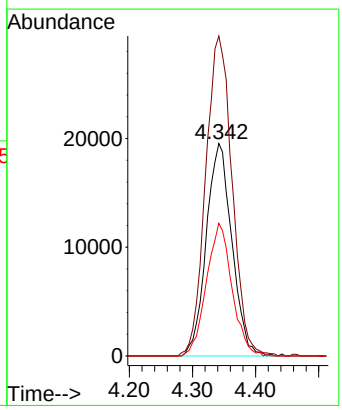


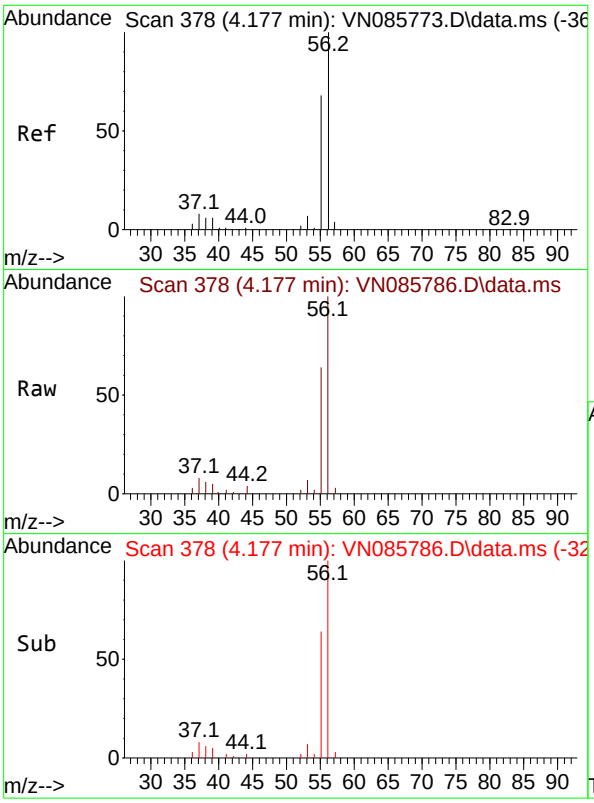


#12
1,1-Dichloroethene
Concen: 17.178 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 96 Resp: 54998

Ion	Ratio	Lower	Upper
96	100		
61	150.6	123.3	184.9
98	62.4	48.6	72.8



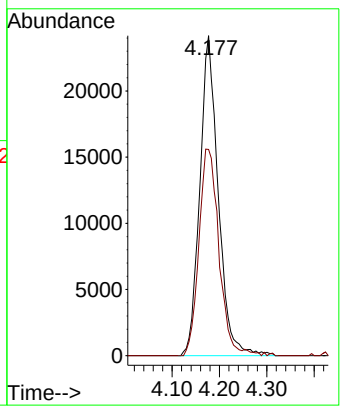


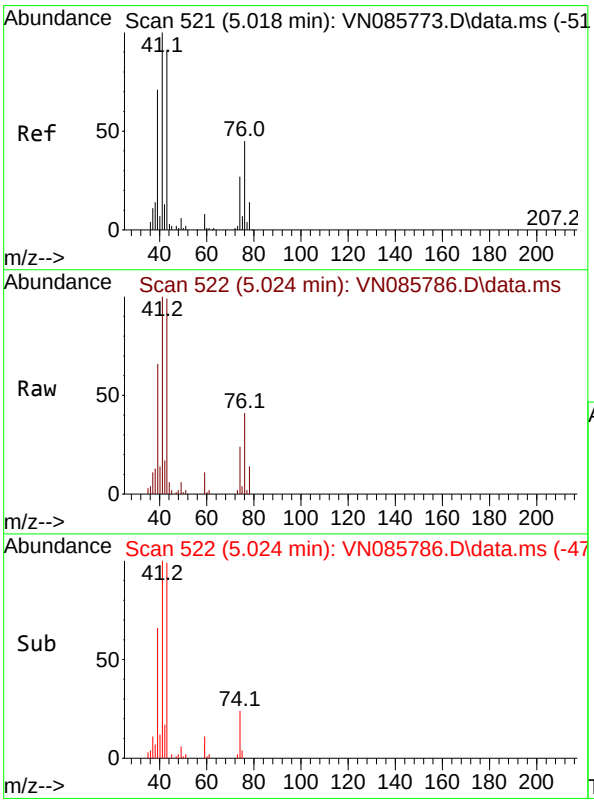
#13
Acrolein
Concen: 94.768 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 56 Resp: 65423

Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.3	82.9

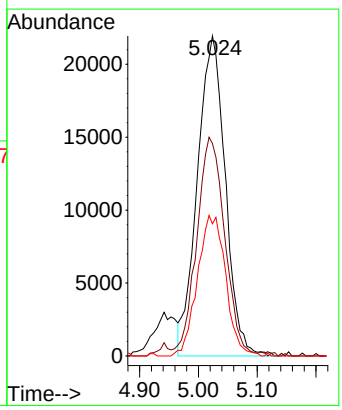


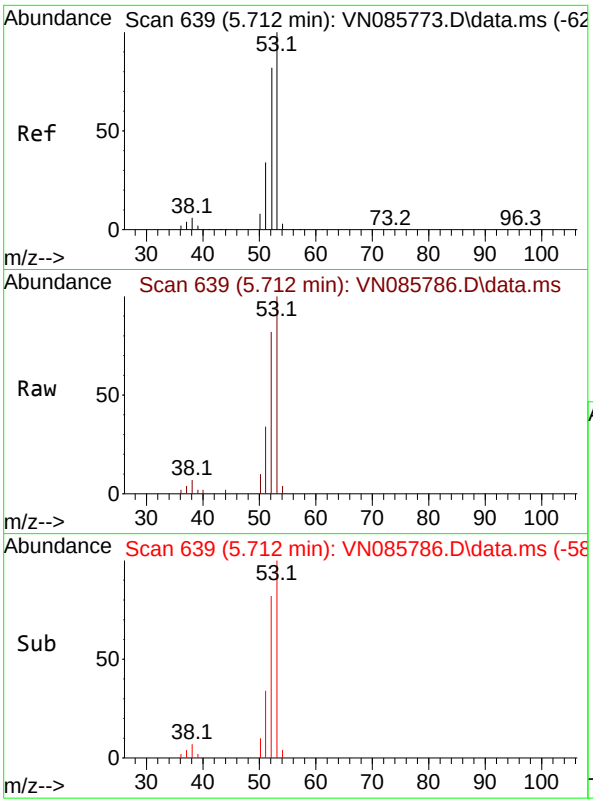


#14
Allyl chloride
Concen: 17.277 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 41 Resp: 72622

Ion	Ratio	Lower	Upper
41	100		
39	68.8	57.4	86.2
76	44.3	36.2	54.2



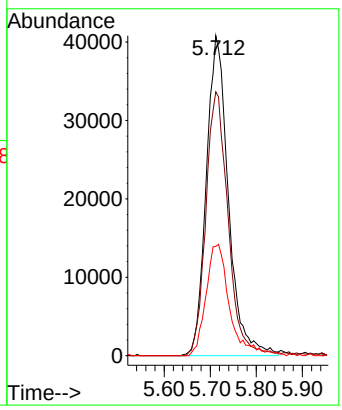


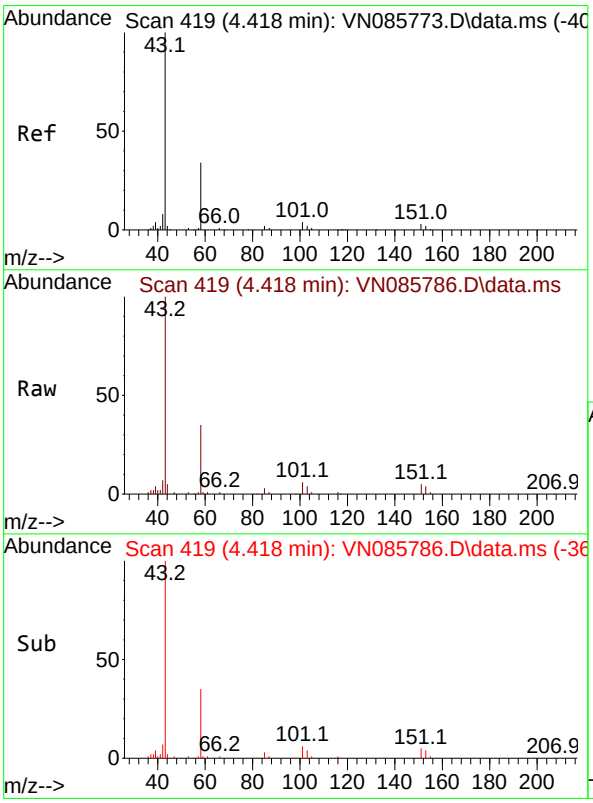
#15
Acrylonitrile
Concen: 90.066 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 53 Resp: 136306

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.6
51	37.2	28.6	42.8

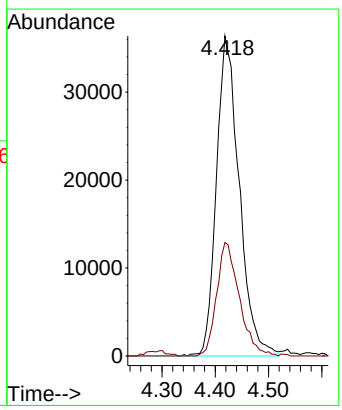


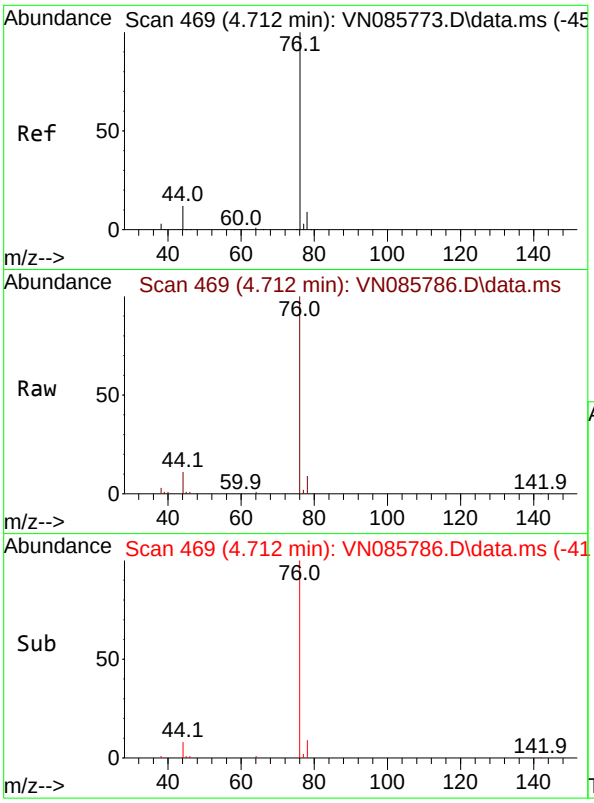


#16
Acetone
Concen: 90.343 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 108199

Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.5	41.3



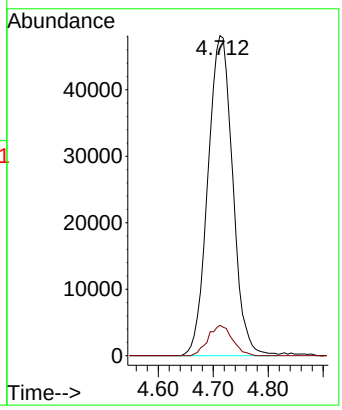


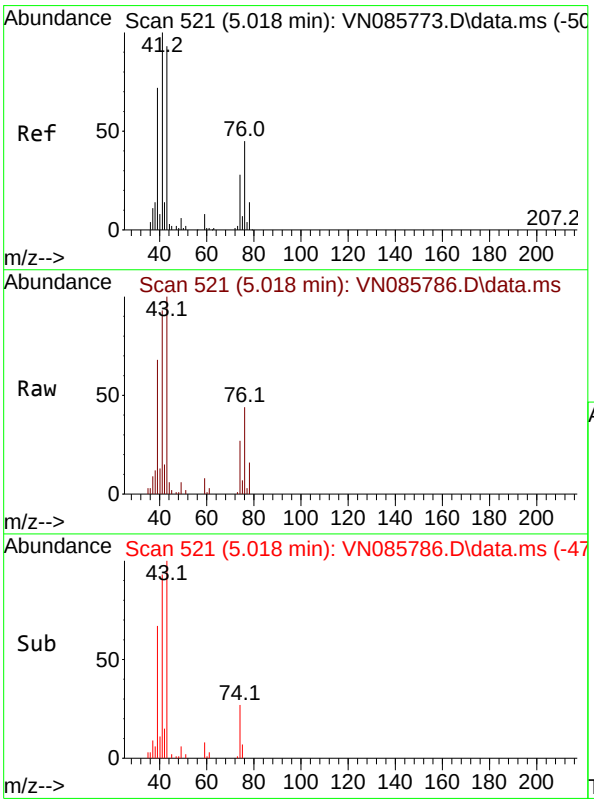
#17
Carbon Disulfide
Concen: 15.924 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 76 Resp: 151093

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

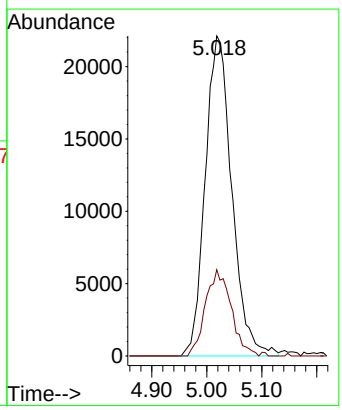


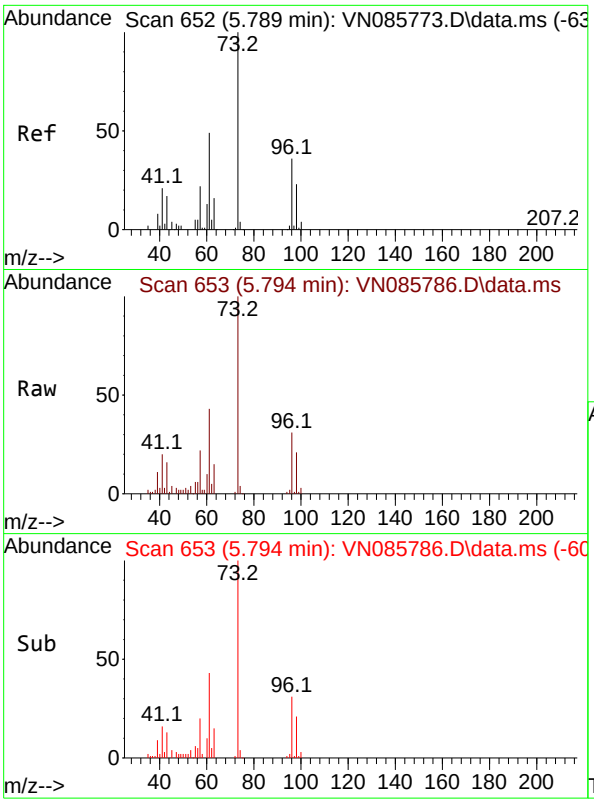


#18
Methyl Acetate
Concen: 18.057 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 74381

Ion	Ratio	Lower	Upper
43	100		
74	25.9	22.2	33.4



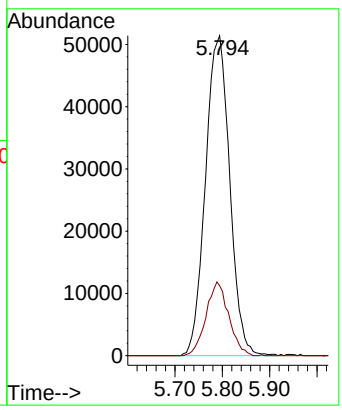


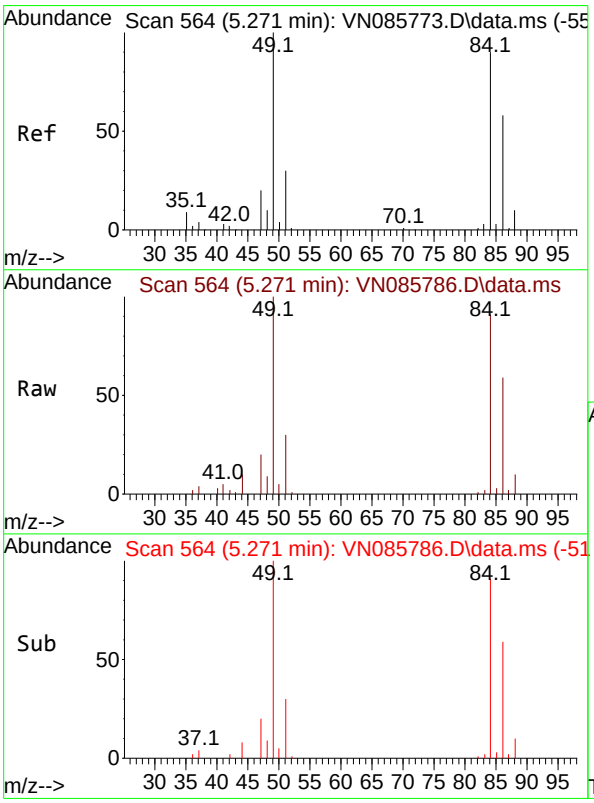
#19
Methyl tert-butyl Ether
Concen: 19.226 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 73 Resp: 182911

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4

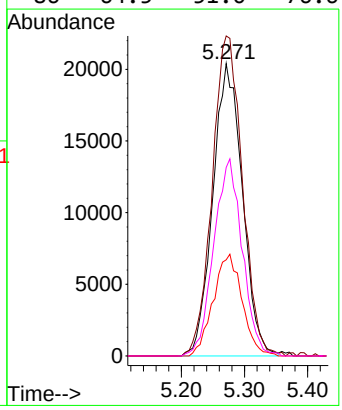


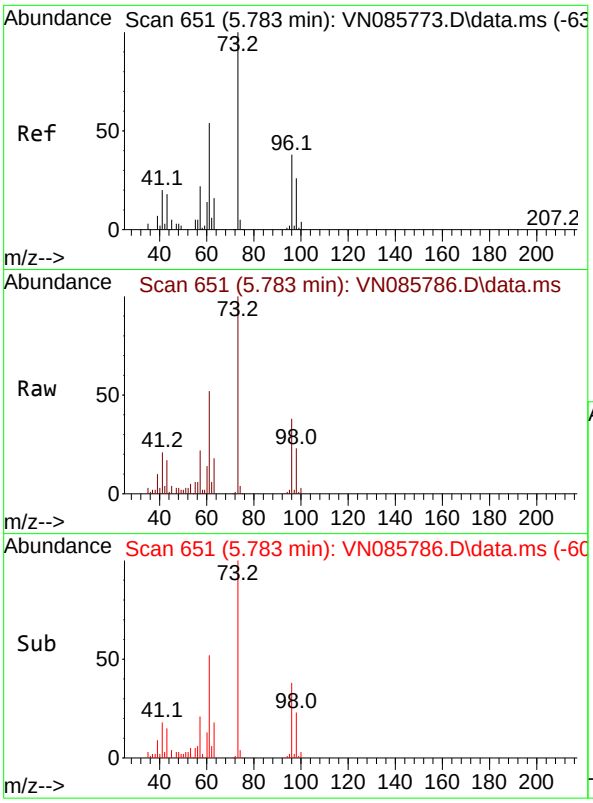


#20
Methylene Chloride
Concen: 17.220 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 84 Resp: 66321

Ion	Ratio	Lower	Upper
84	100		
49	109.5	88.4	132.6
51	32.9	26.6	40.0
86	64.5	51.0	76.6



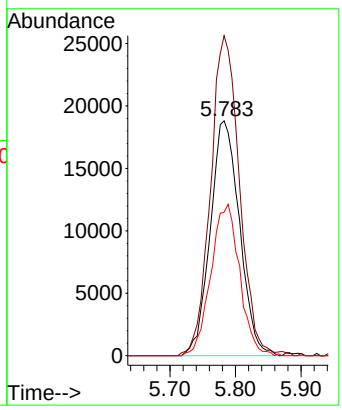


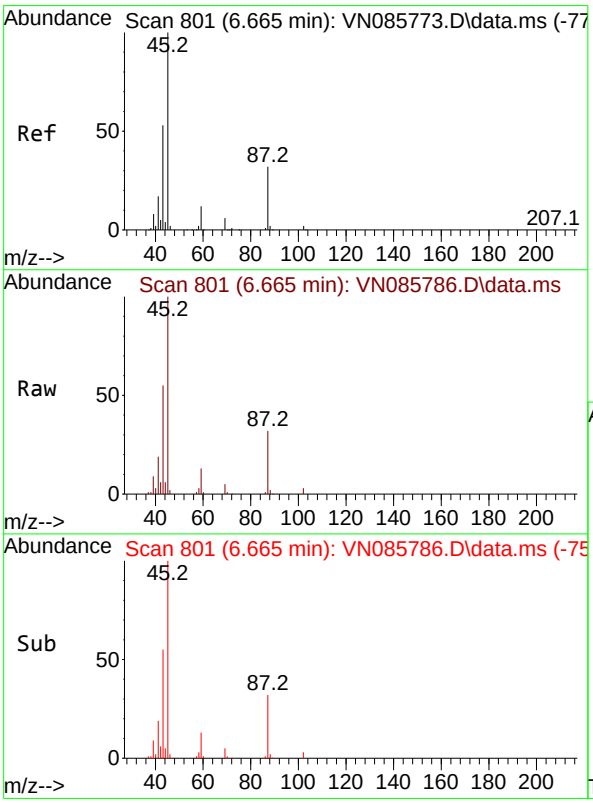
#21
trans-1,2-Dichloroethene
Concen: 16.907 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 96 Resp: 58286

Ion	Ratio	Lower	Upper
96	100		
61	136.3	112.6	168.8
98	61.1	53.3	79.9

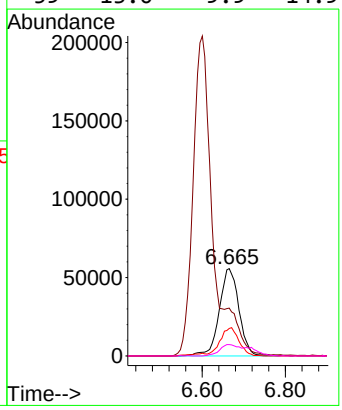


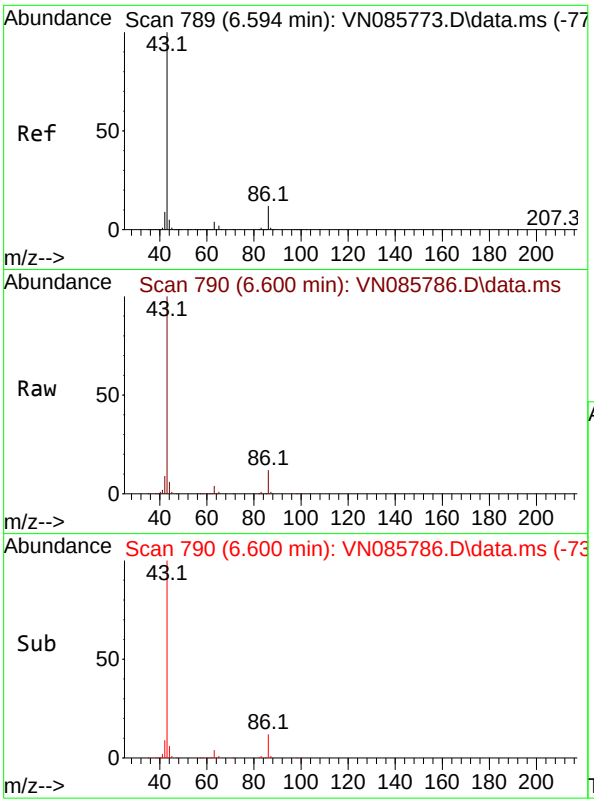


#22
Diisopropyl ether
Concen: 19.235 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 45 Resp: 182697

Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.6	64.0
87	31.5	25.8	38.8
59	13.0	9.9	14.9



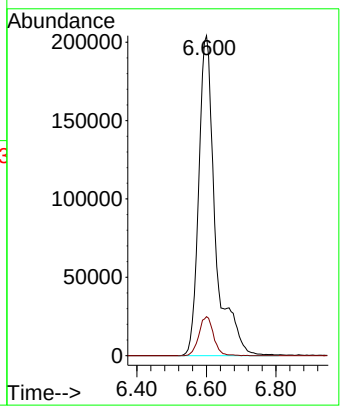


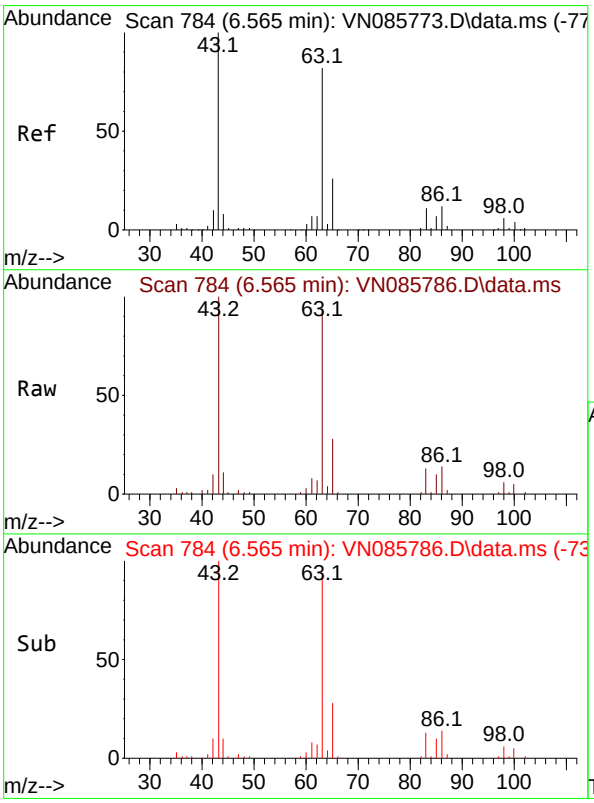
#23
Vinyl Acetate
Concen: 104.052 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 43 Resp: 676693

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.8

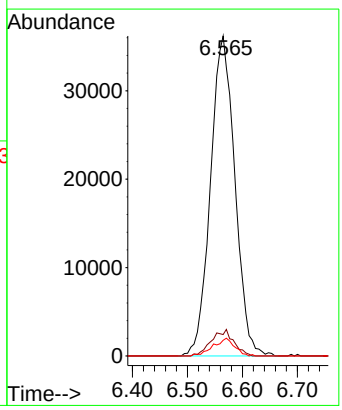


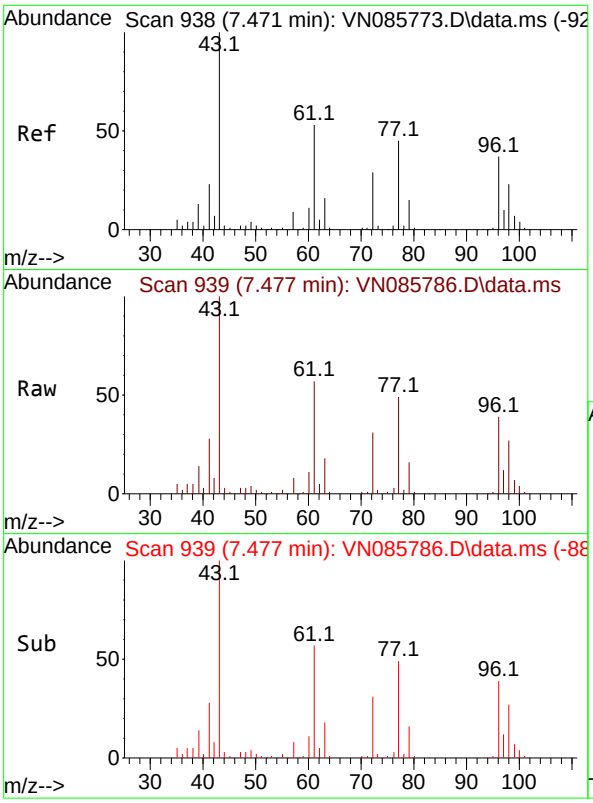


#24
1,1-Dichloroethane
Concen: 17.317 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 63 Resp: 111812

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	4.9	2.4	7.2



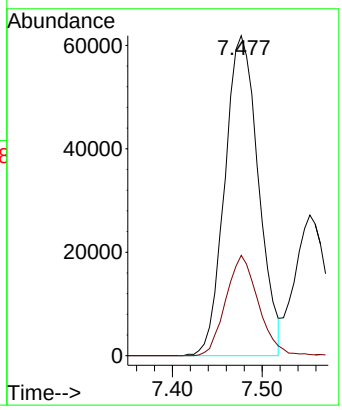


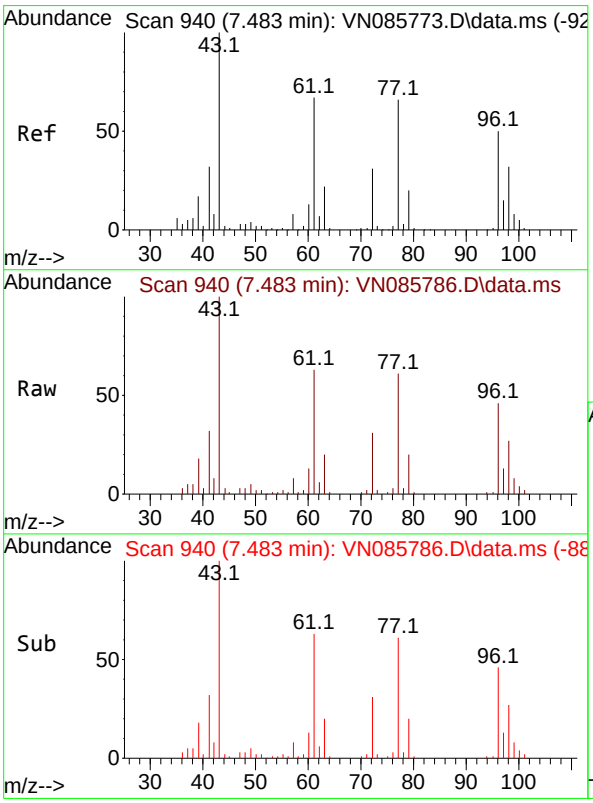
#25
2-Butanone
Concen: 91.422 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 43 Resp: 161082

Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.6	35.4

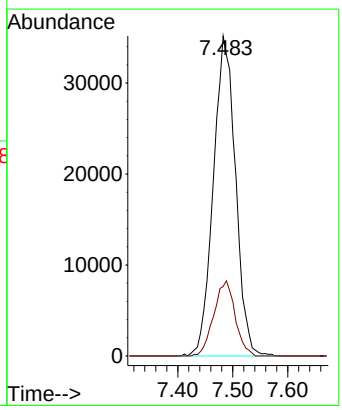


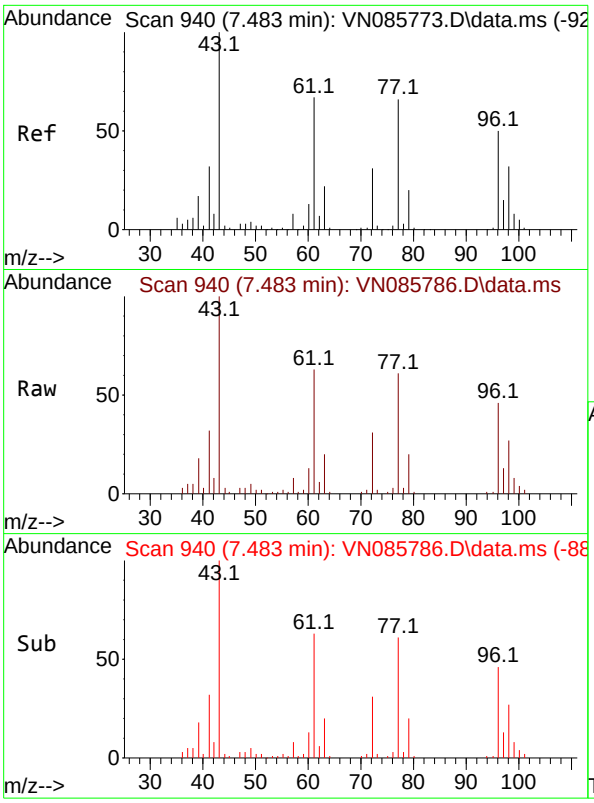


#26
2,2-Dichloropropane
Concen: 17.164 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 77 Resp: 98544

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.3	33.8



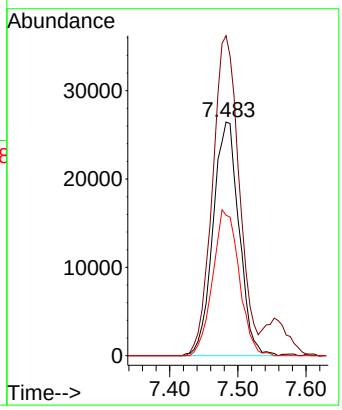


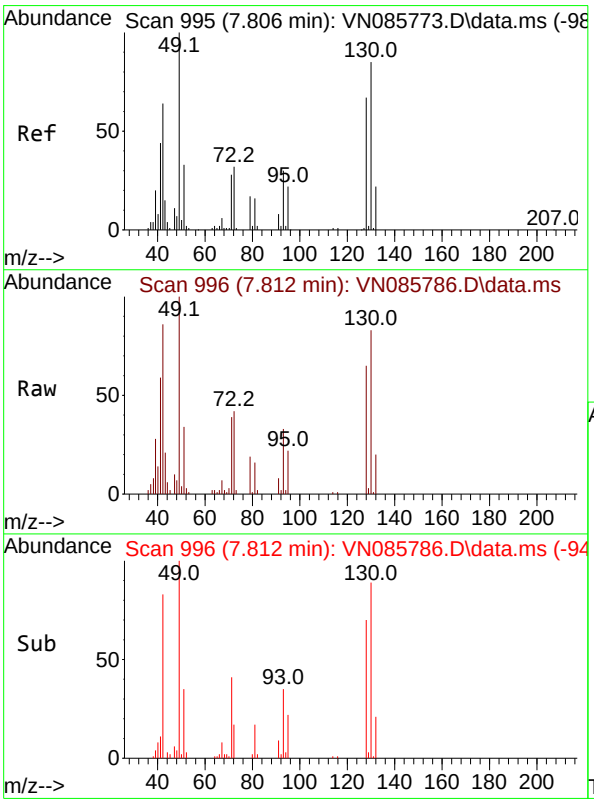
#27
cis-1,2-Dichloroethene
Concen: 17.598 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 96 Resp: 70342

Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	280.6
98	63.3	0.0	128.6

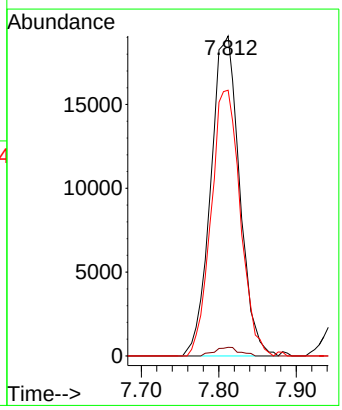


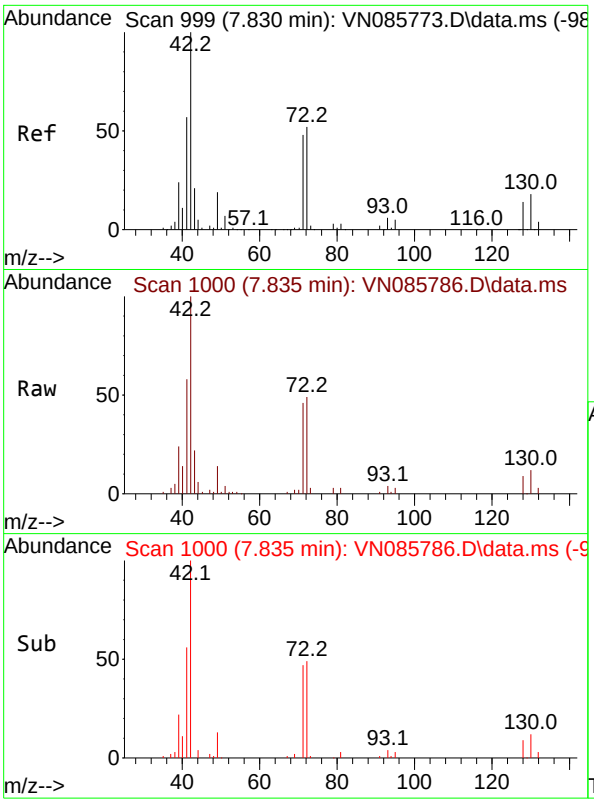


#28
Bromochloromethane
Concen: 18.596 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 49 Resp: 49350

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	84.0	68.0	102.0



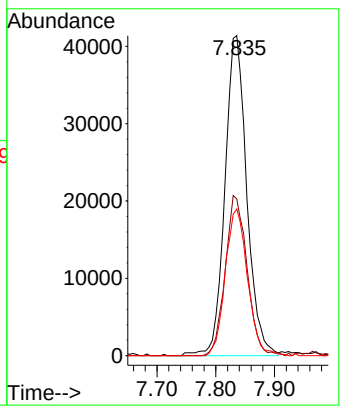


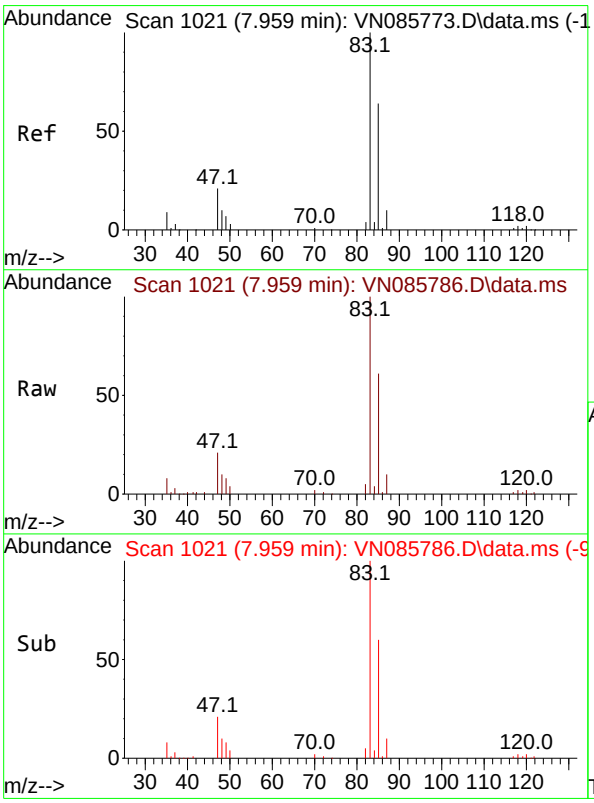
#29
Tetrahydrofuran
Concen: 94.205 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 42 Resp: 107184

Ion	Ratio	Lower	Upper
42	100		
72	49.8	40.0	60.0
71	46.6	37.0	55.4

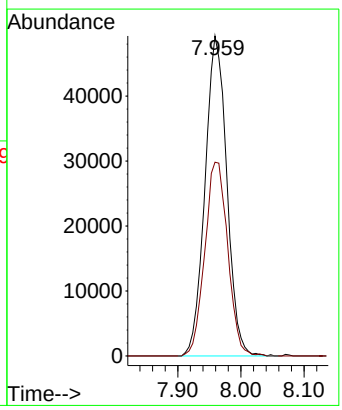


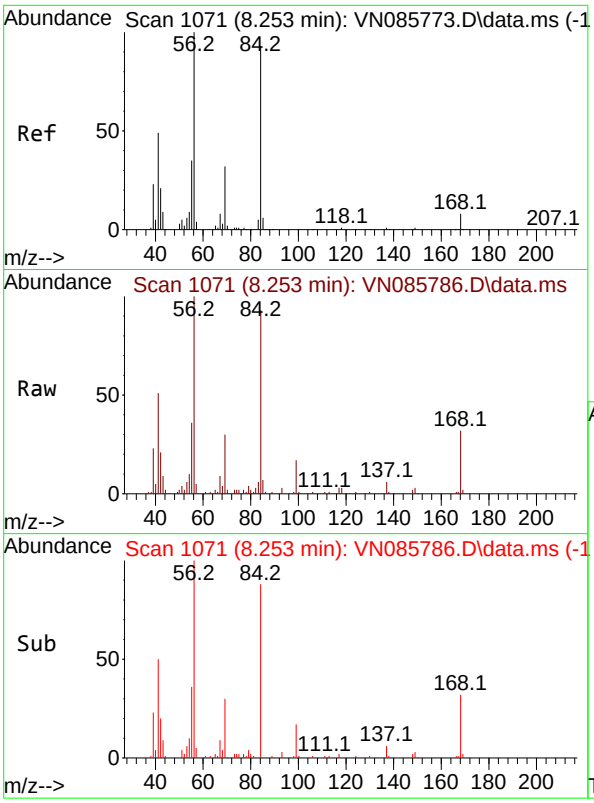


#30
Chloroform
Concen: 17.485 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 83 Resp: 117979

Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.9	76.3



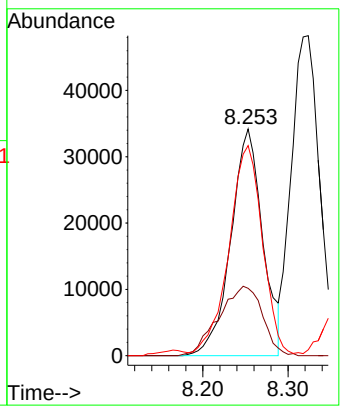


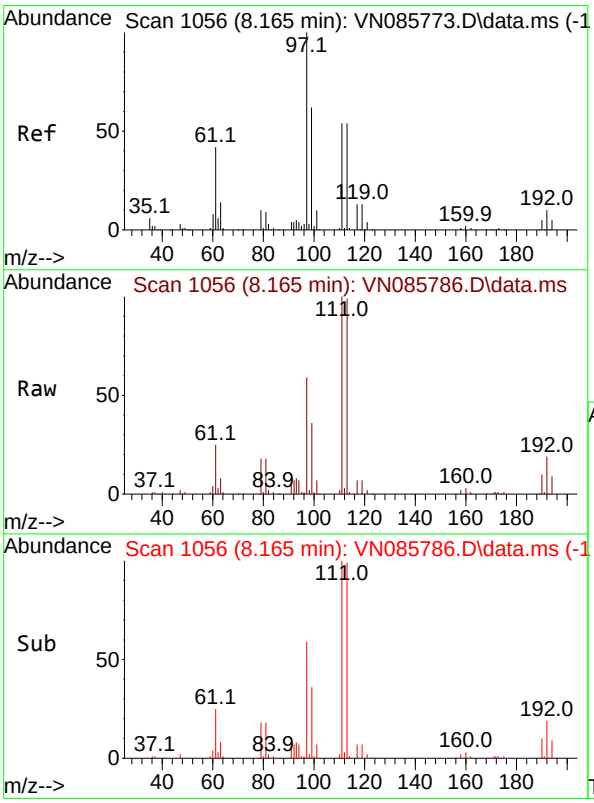
#31
Cyclohexane
Concen: 16.385 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 56 Resp: 88578

Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.8	38.6
84	90.4	74.5	111.7

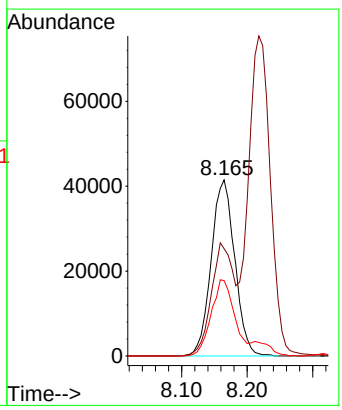


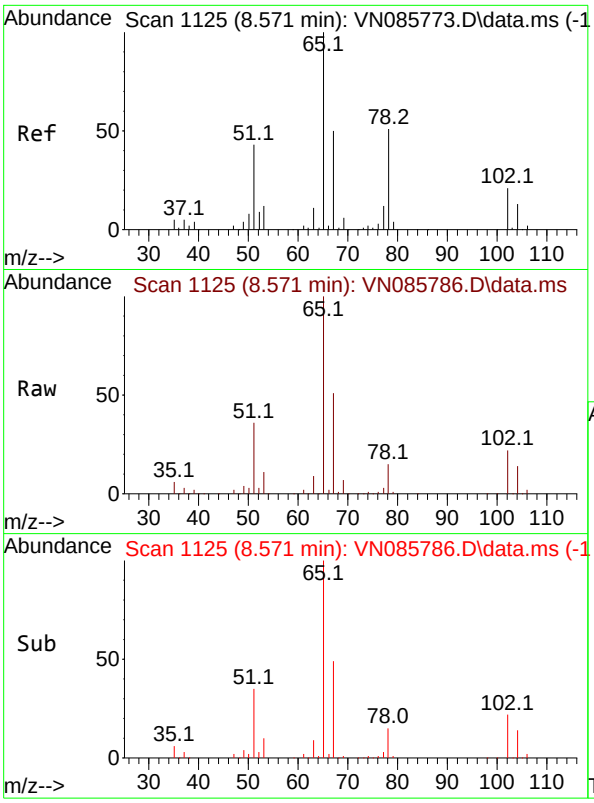


#32
1,1,1-Trichloroethane
Concen: 17.222 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 97 Resp: 103361

Ion	Ratio	Lower	Upper
97	100		
99	59.4	50.4	75.6
61	43.7	35.5	53.3



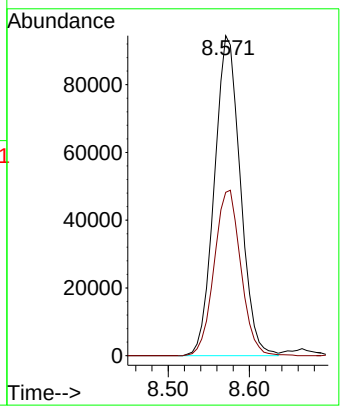


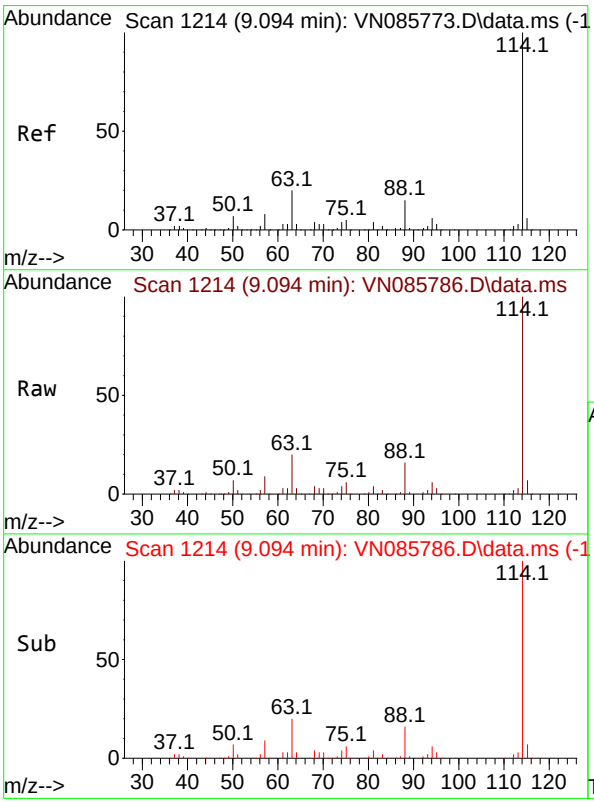
#33
1,2-Dichloroethane-d4
Concen: 55.480 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 65 Resp: 209994

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

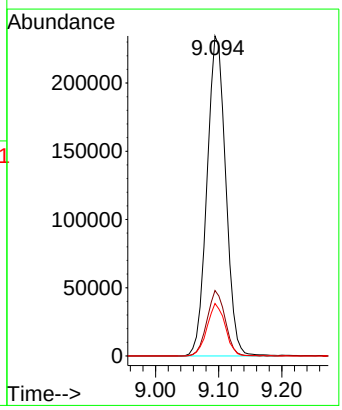


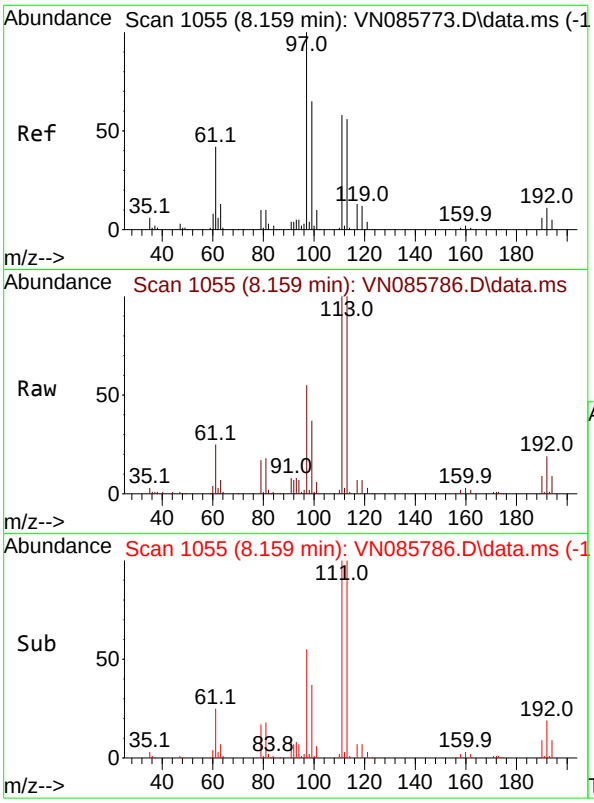


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:114 Resp: 482343

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.2
88	16.4	0.0	30.0



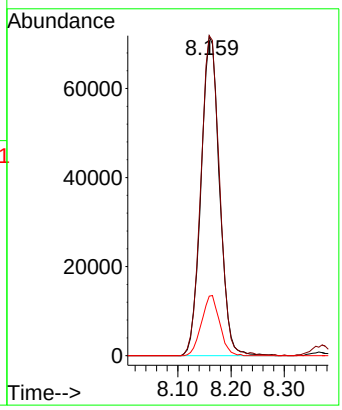


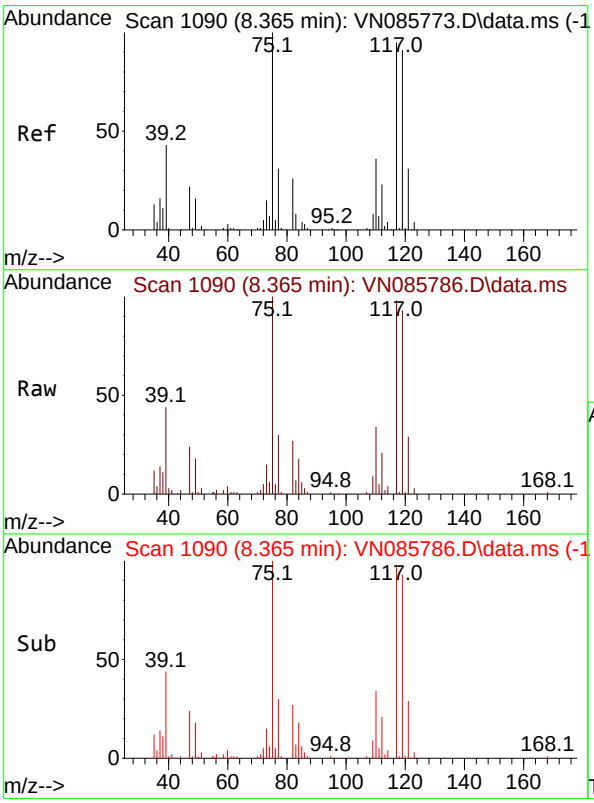
#35
Dibromofluoromethane
Concen: 54.680 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:113 Resp: 172581

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	18.5	14.7	22.1

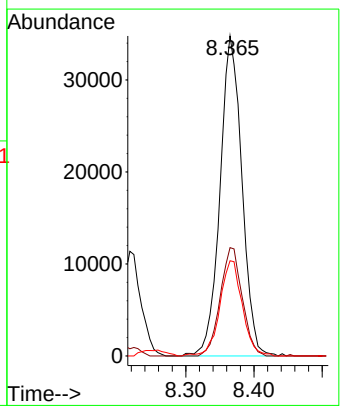


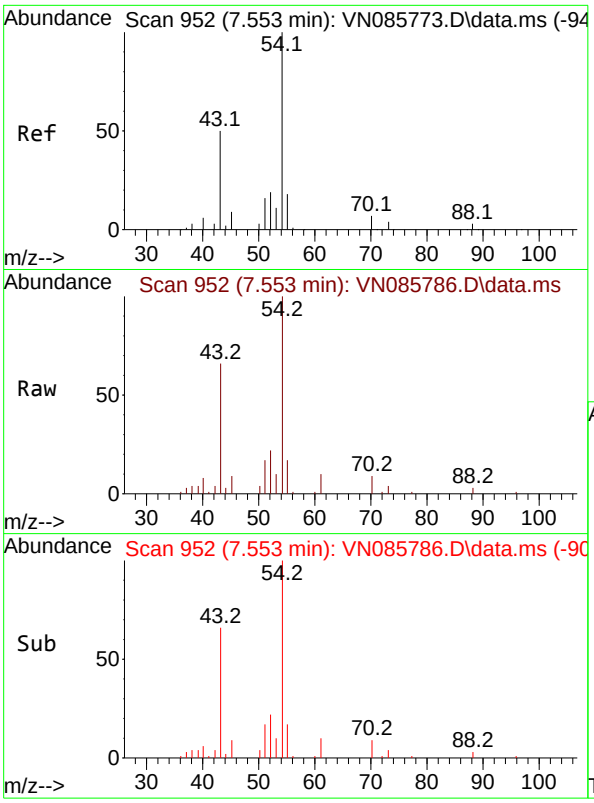


#36
1,1-Dichloropropene
Concen: 17.443 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 77917

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.6	24.6	37.0



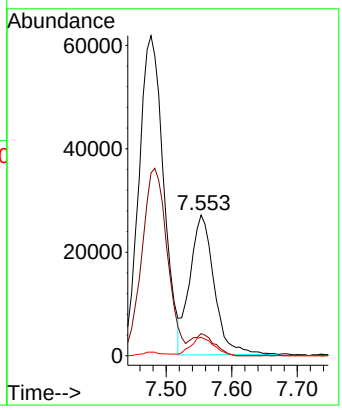


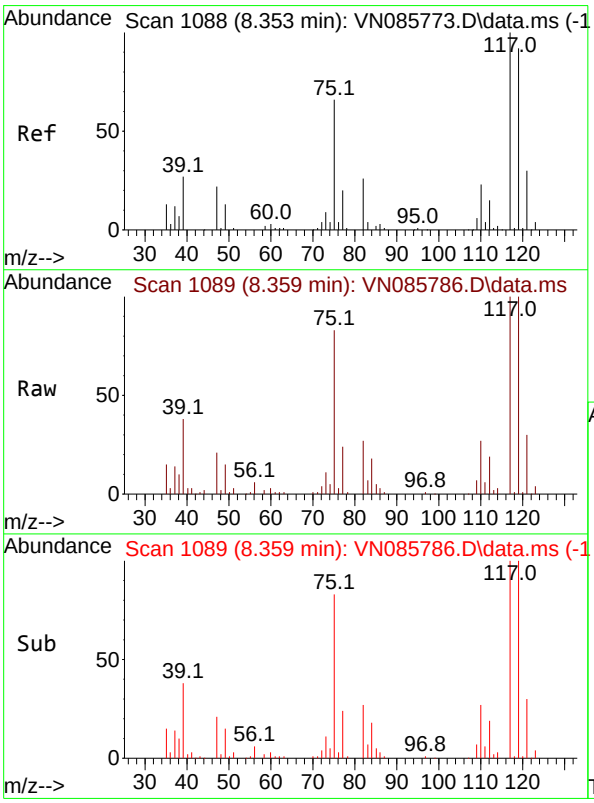
#37
Ethyl Acetate
Concen: 18.989 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 43 Resp: 69804

Ion	Ratio	Lower	Upper
43	100		
61	13.2	12.2	18.2
70	12.6	9.5	14.3

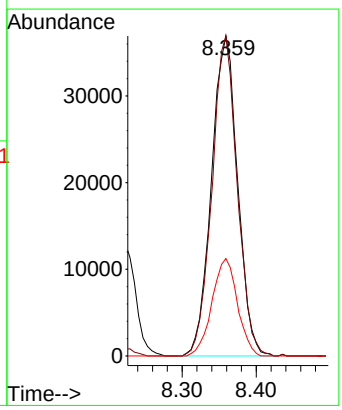


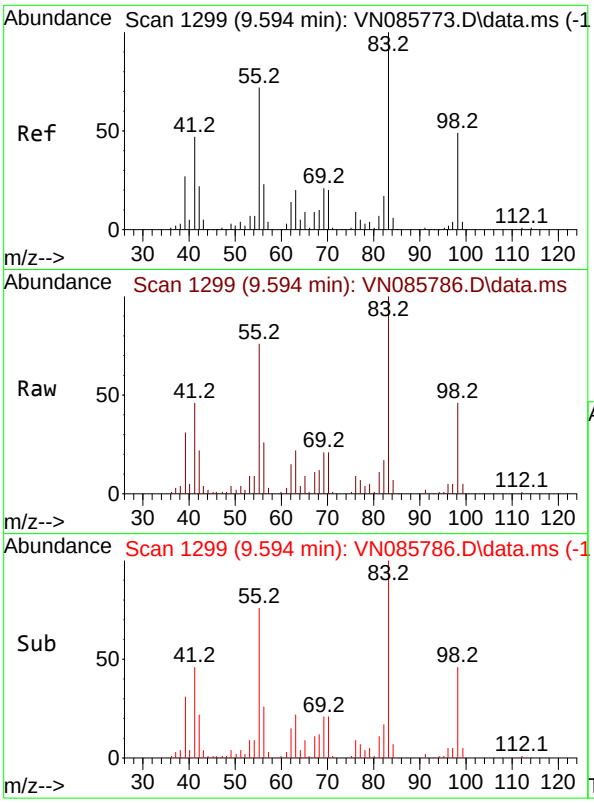


#38
Carbon Tetrachloride
Concen: 17.028 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:117 Resp: 90380

Ion	Ratio	Lower	Upper
117	100		
119	100.0	73.8	110.6
121	30.4	24.3	36.5



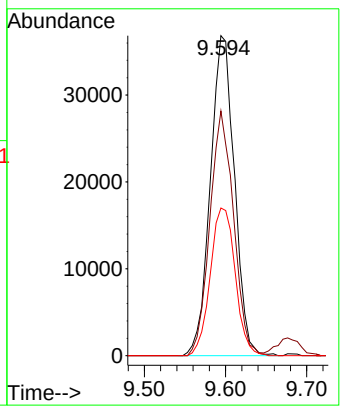


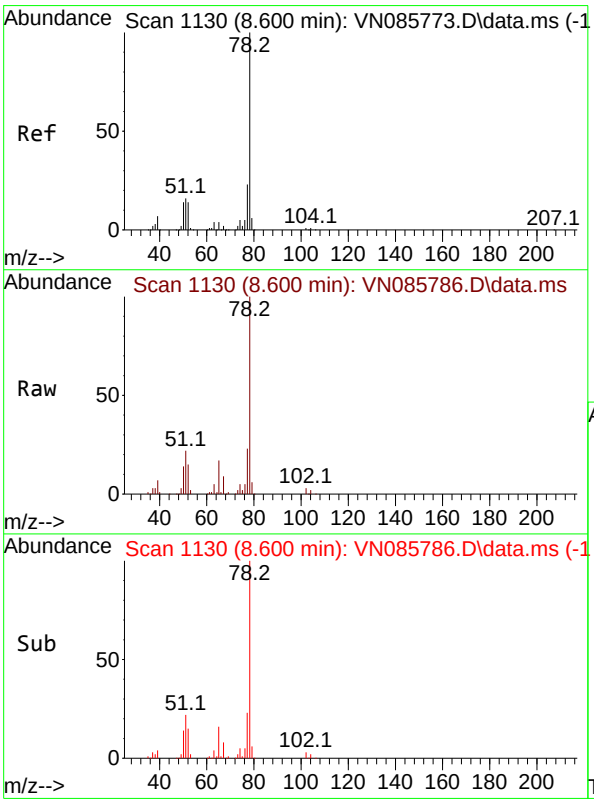
#39
Methylcyclohexane
Concen: 17.306 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 83 Resp: 75943

Ion	Ratio	Lower	Upper
83	100		
55	76.5	57.5	86.3
98	46.1	39.2	58.8

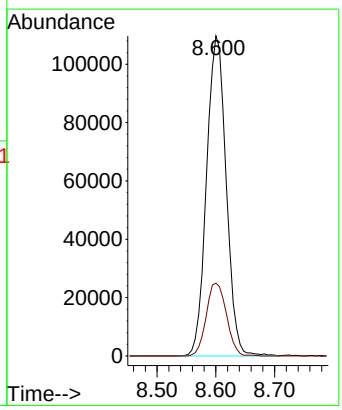


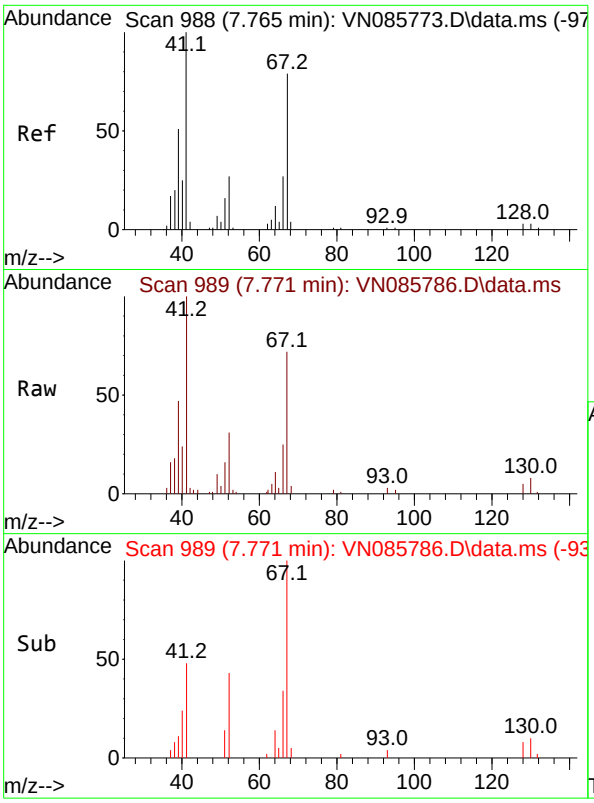


#40
Benzene
Concen: 17.778 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 78 Resp: 254524

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.3	27.5



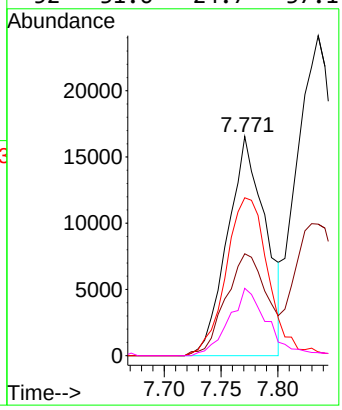


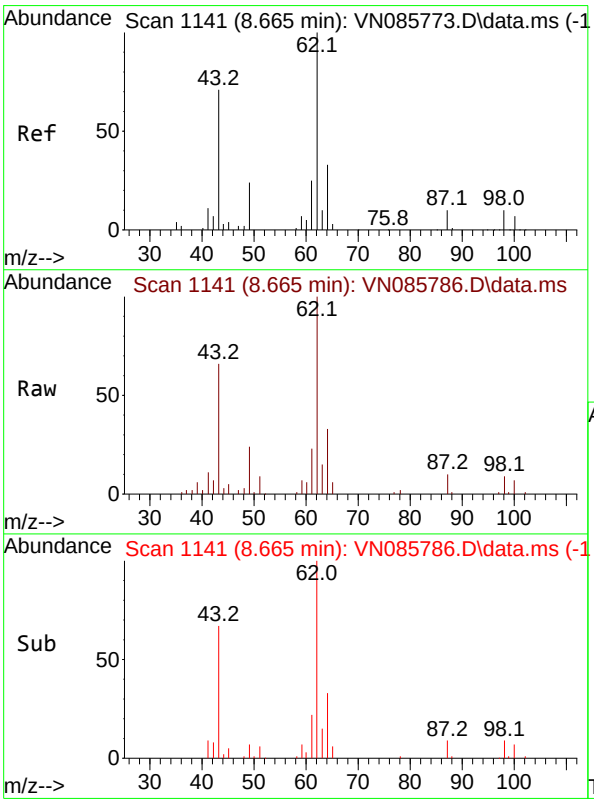
#41
Methacrylonitrile
Concen: 19.644 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 41 Resp: 38602

Ion	Ratio	Lower	Upper
41	100		
39	50.2	42.0	63.0
67	80.0	64.2	96.4
52	31.6	24.7	37.1

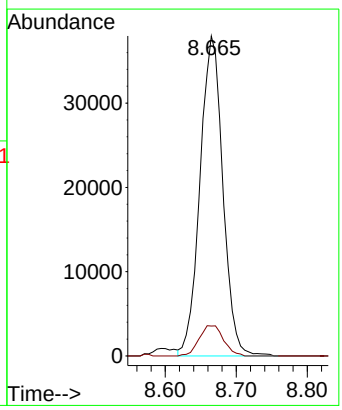


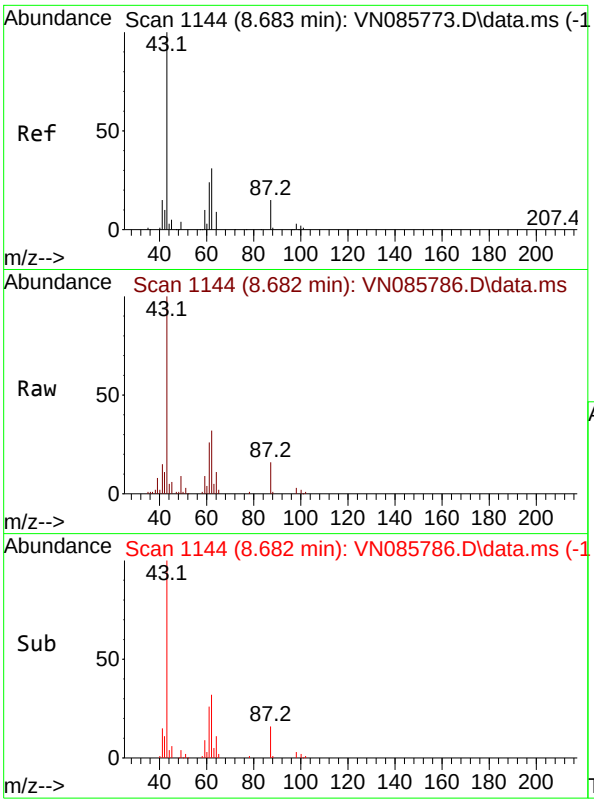


#42
1,2-Dichloroethane
Concen: 18.234 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 62 Resp: 85033

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6



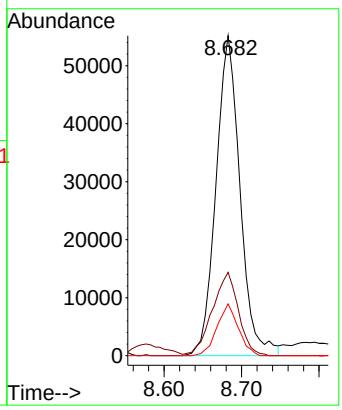


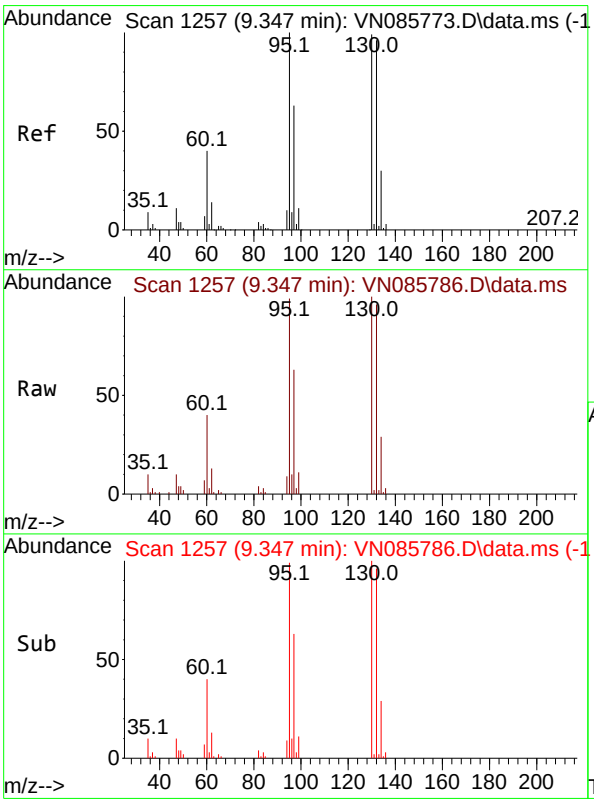
#43
Isopropyl Acetate
Concen: 18.120 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 43 Resp: 119146

Ion	Ratio	Lower	Upper
43	100		
61	28.2	22.6	34.0
87	14.4	11.8	17.8

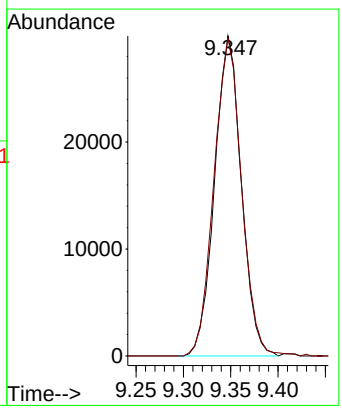


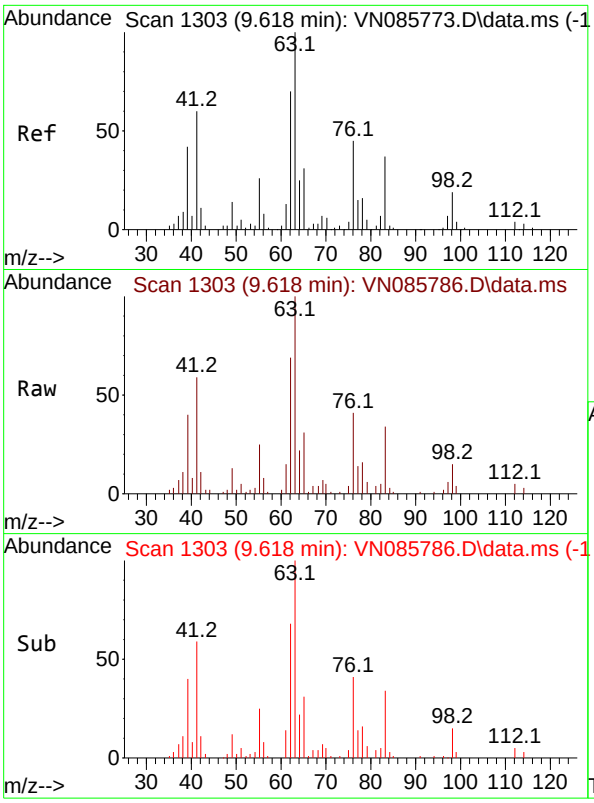


#44
Trichloroethene
Concen: 16.727 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:130 Resp: 58797

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	202.6



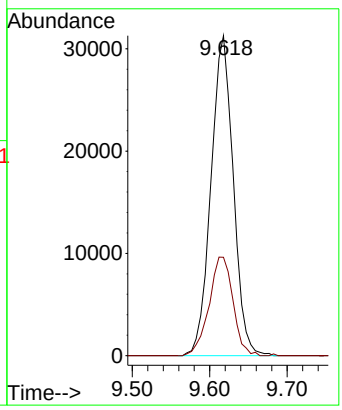


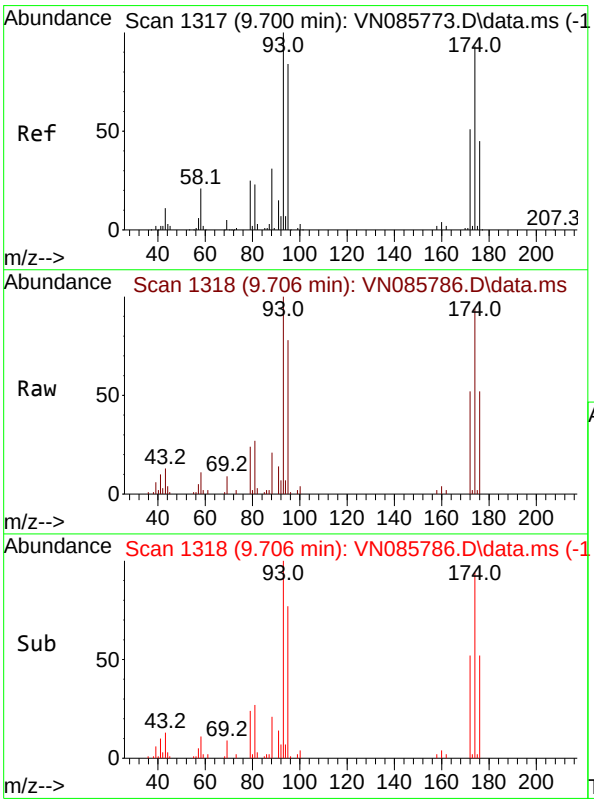
#45
1,2-Dichloropropane
Concen: 18.123 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 63 Resp: 62628

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.1	37.7

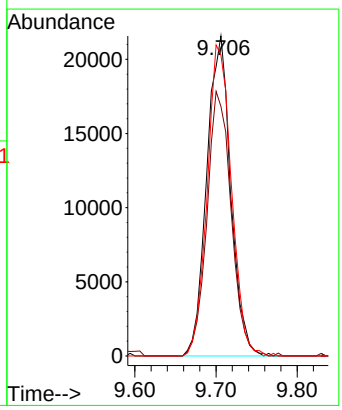


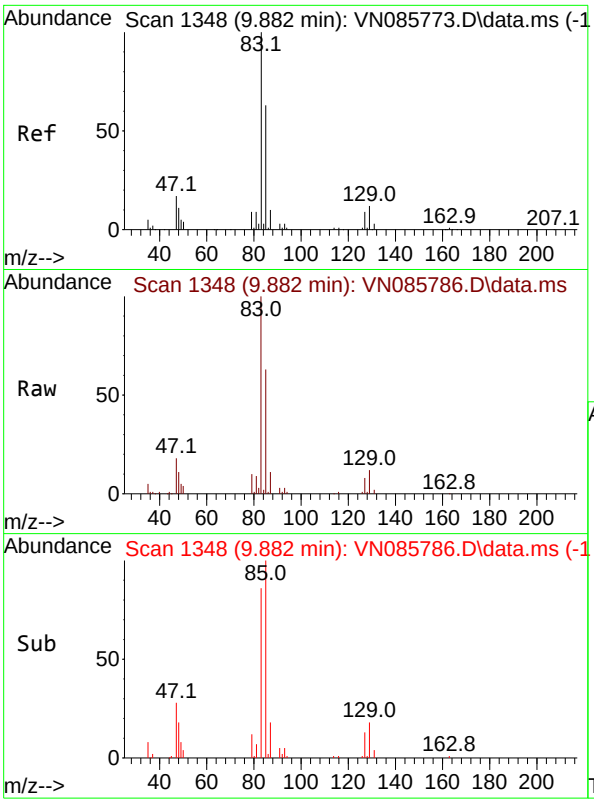


#46
Dibromomethane
Concen: 18.140 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 93 Resp: 44217

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	98.6	77.2	115.8



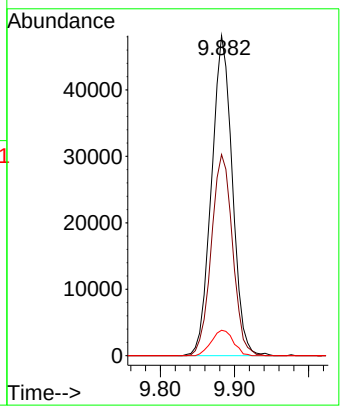


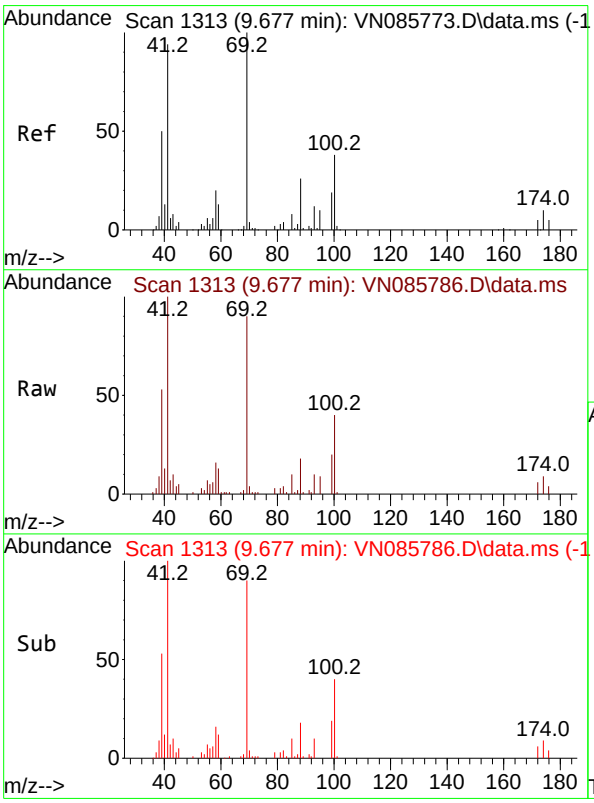
#47
Bromodichloromethane
Concen: 18.014 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 83 Resp: 93945

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.5	75.7
127	7.9	7.2	10.8

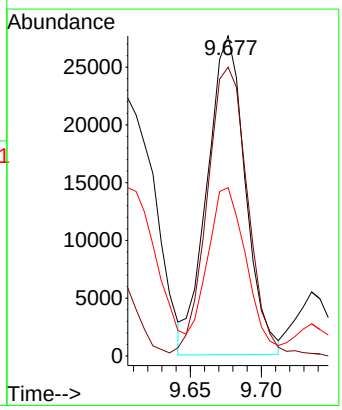


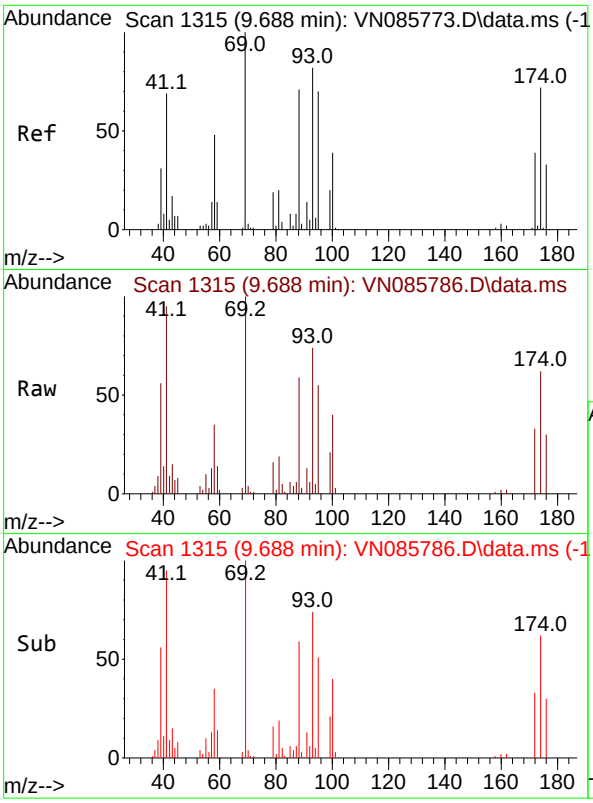


#48
Methyl methacrylate
Concen: 18.903 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 41 Resp: 51605

Ion	Ratio	Lower	Upper
41	100		
69	96.5	76.0	114.0
39	53.7	42.3	63.5



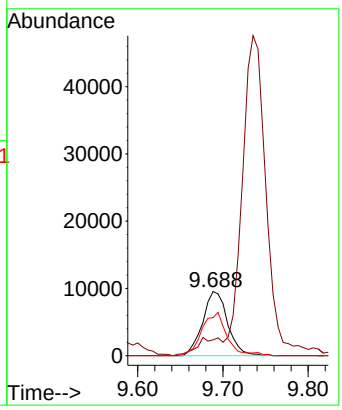


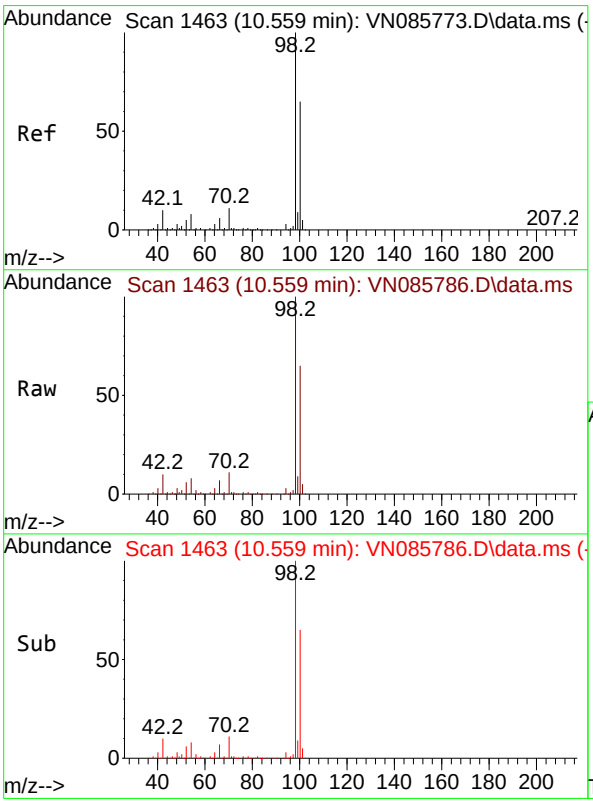
#49
1,4-Dioxane
Concen: 373.170 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 88 Resp: 19373

Ion	Ratio	Lower	Upper
88	100		
43	19.2	18.6	27.8
58	67.9	56.7	85.1

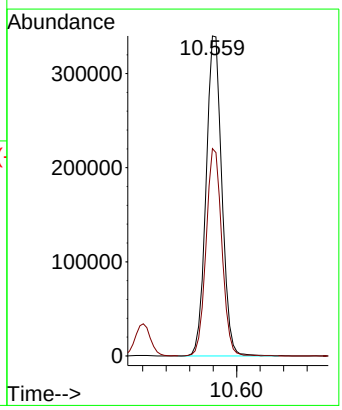


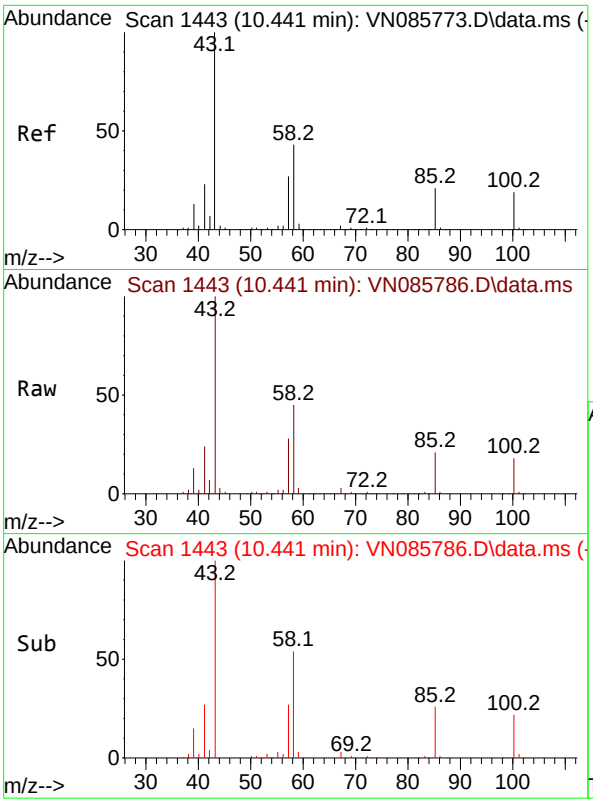


#50
Toluene-d8
Concen: 55.125 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 98 Resp: 633017

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1



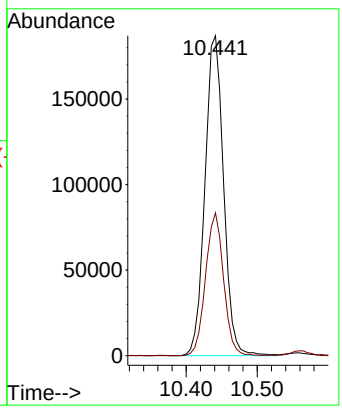


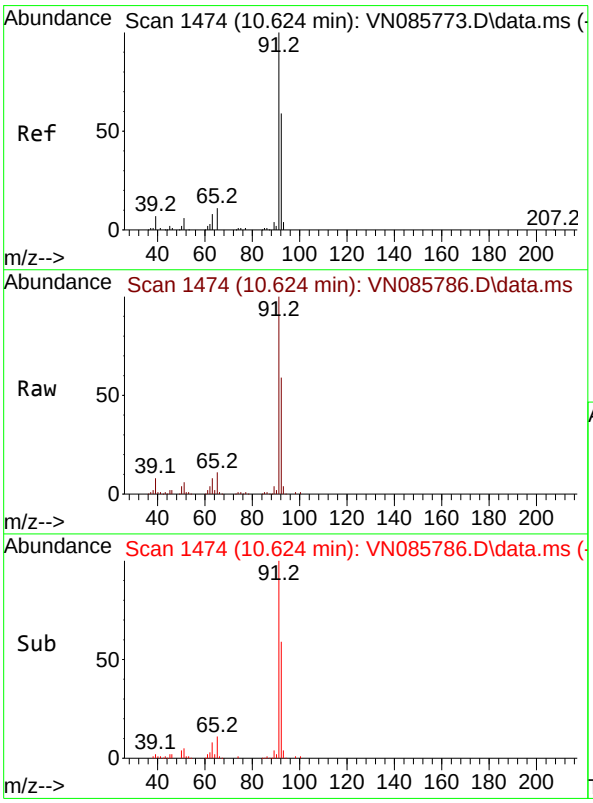
#51
4-Methyl-2-Pentanone
Concen: 96.260 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 43 Resp: 341162

Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.6	52.0

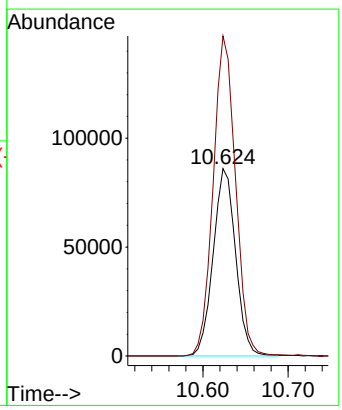


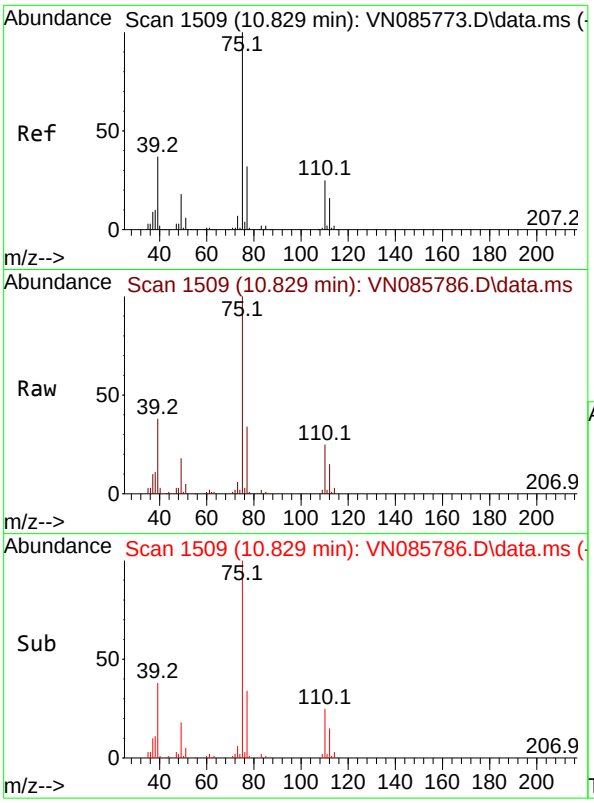


#52
Toluene
Concen: 18.780 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 92 Resp: 157605

Ion	Ratio	Lower	Upper
92	100		
91	170.3	136.9	205.3



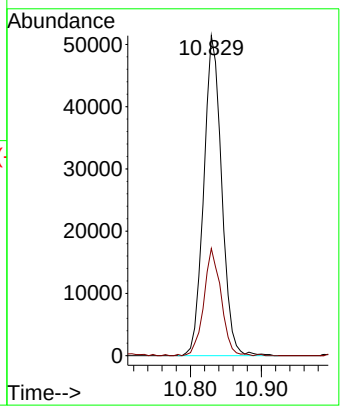


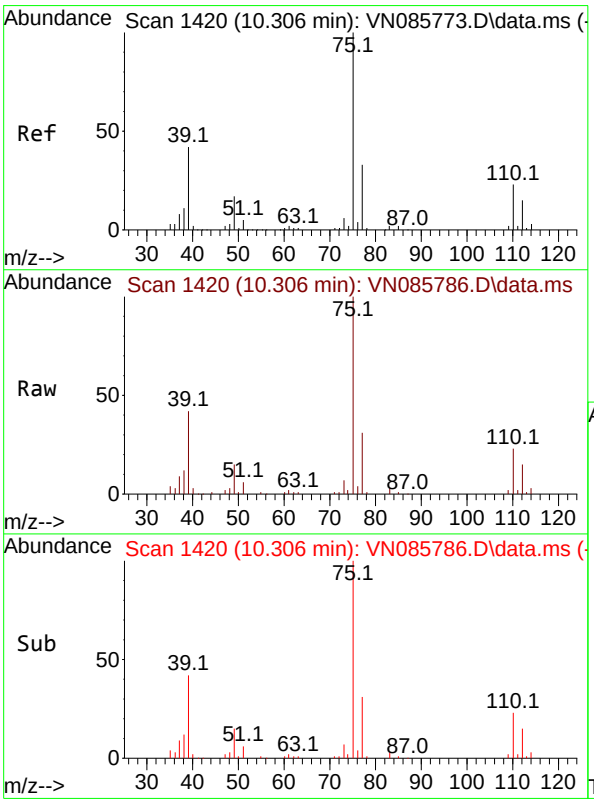
#53
t-1,3-Dichloropropene
Concen: 18.698 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 75 Resp: 90168

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.4	38.0

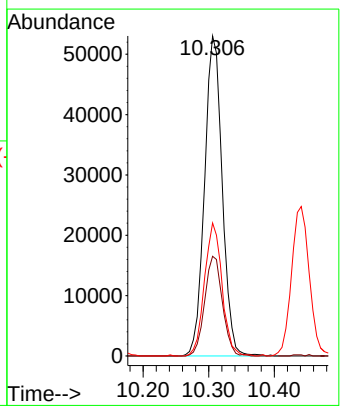


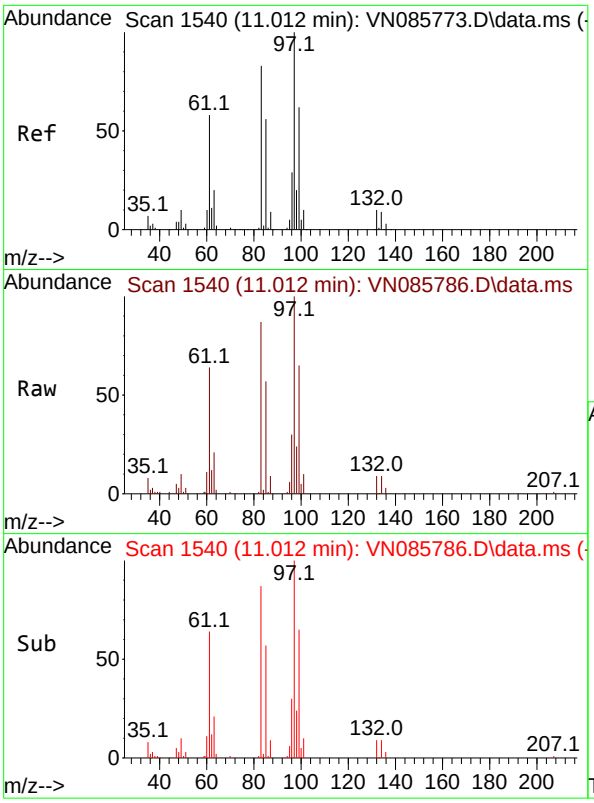


#54
cis-1,3-Dichloropropene
Concen: 18.825 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 99549

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.1	39.1
39	41.5	33.4	50.0



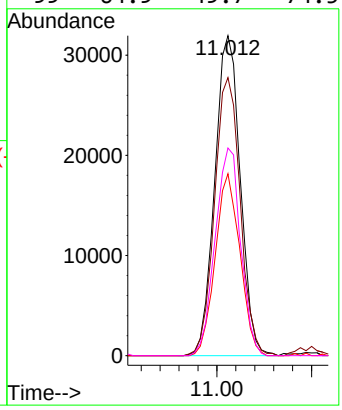


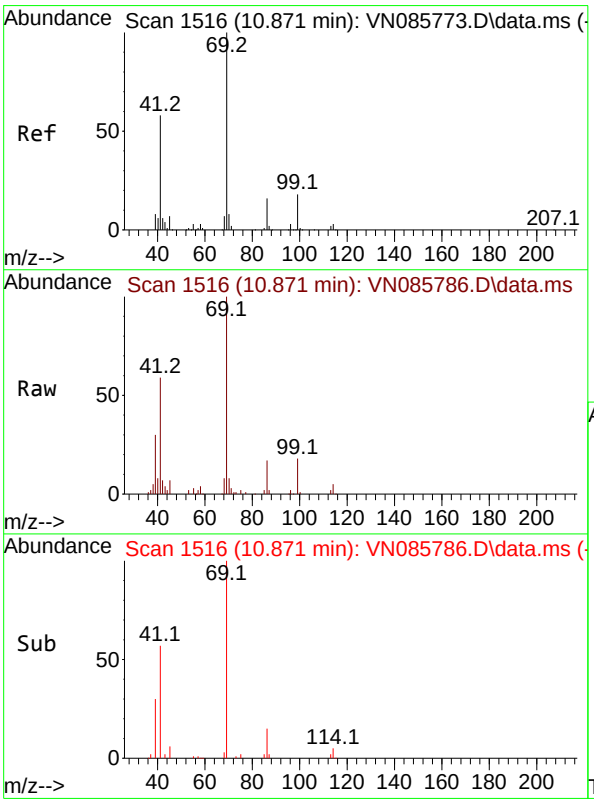
#55
1,1,2-Trichloroethane
Concen: 17.898 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 97 Resp: 59722

Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.1	99.1
85	56.9	44.7	67.1
99	64.9	49.7	74.5

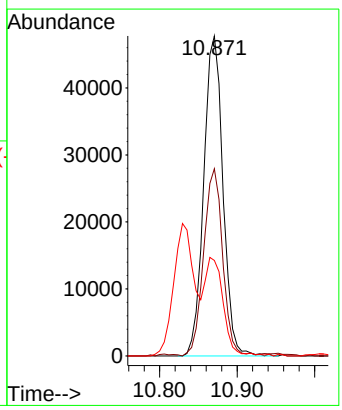


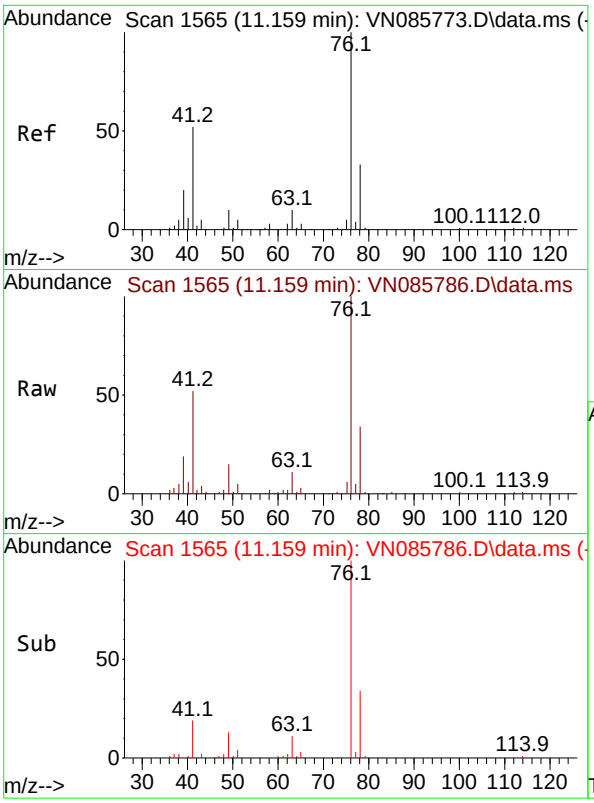


#56
Ethyl methacrylate
Concen: 18.745 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 69 Resp: 82232

Ion	Ratio	Lower	Upper
69	100		
41	58.0	46.0	69.0
39	29.2	22.0	33.0



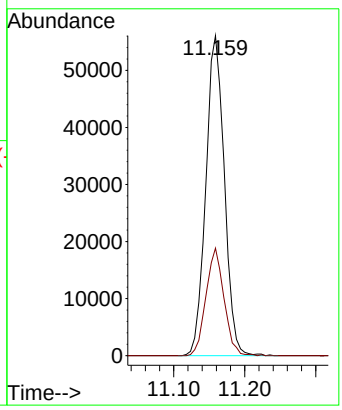


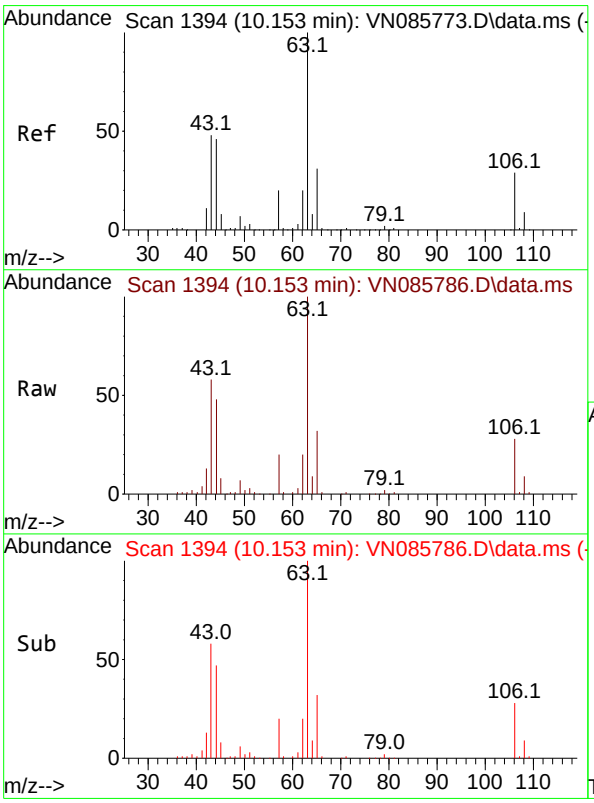
#57
1,3-Dichloropropane
Concen: 18.263 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 76 Resp: 101726

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

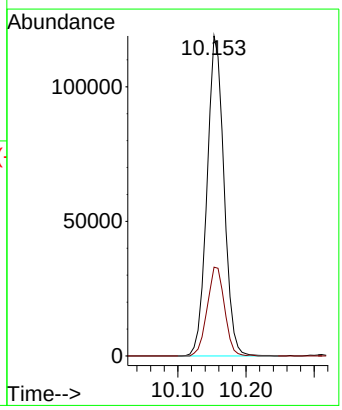


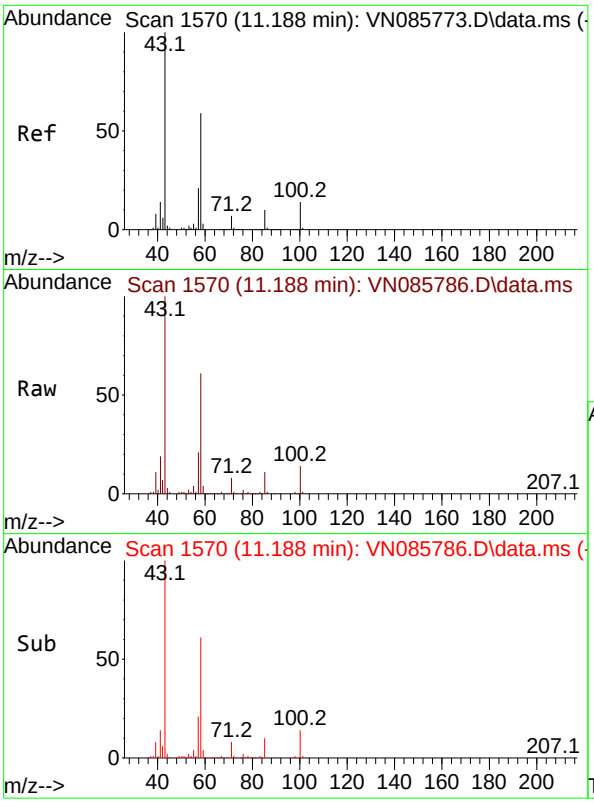


#58
2-Chloroethyl Vinyl ether
Concen: 127.372 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 63 Resp: 205579

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.7	34.1



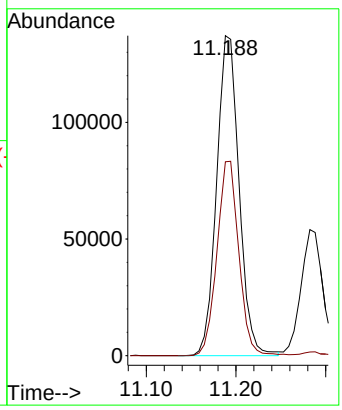


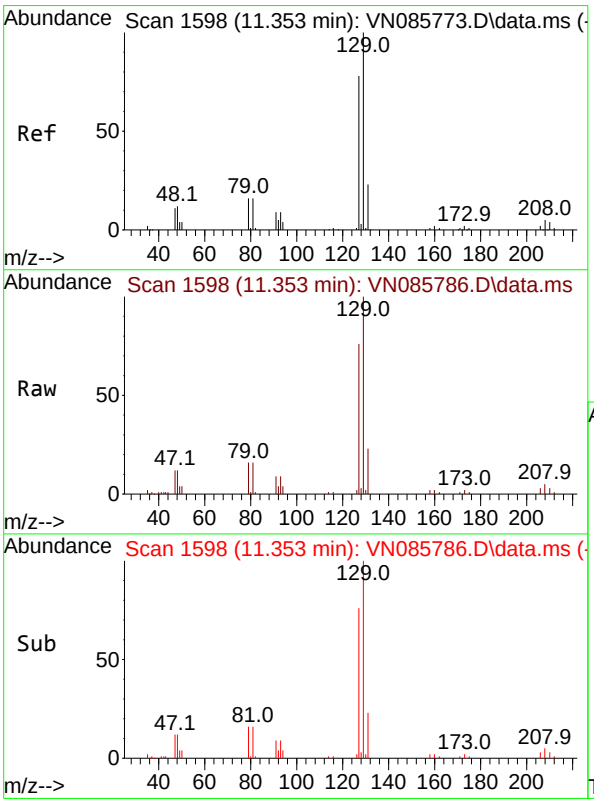
#59
2-Hexanone
Concen: 97.555 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 43 Resp: 237858

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.8	89.5

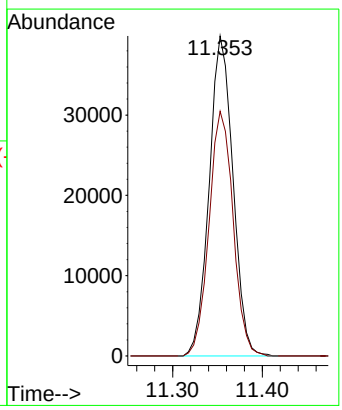


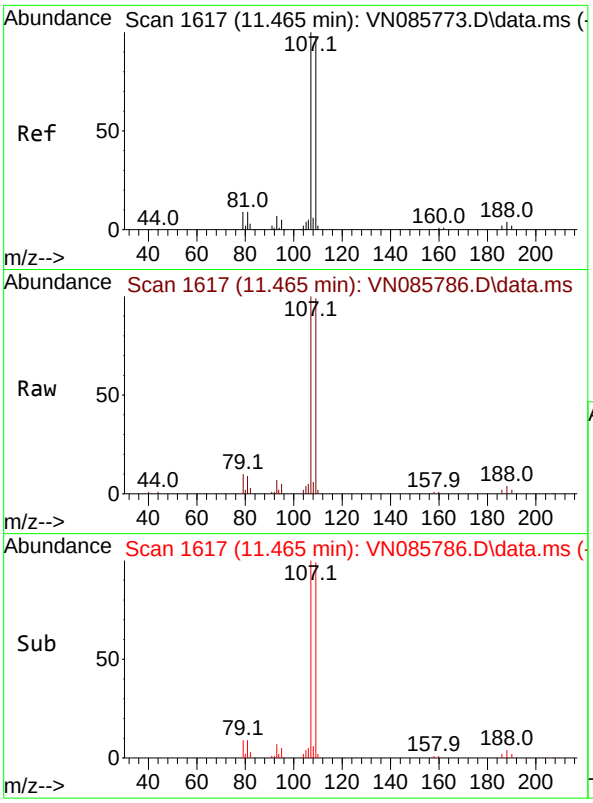


#60
Dibromochloromethane
Concen: 18.852 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:129 Resp: 73246

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.5



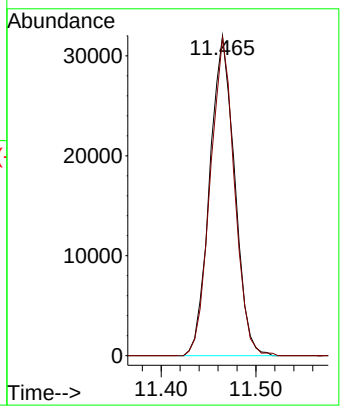


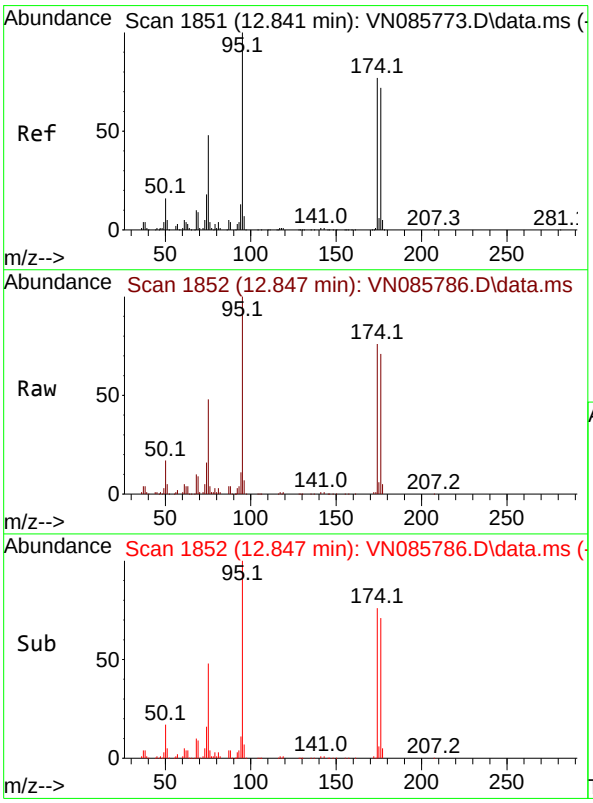
#61
1,2-Dibromoethane
Concen: 18.511 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:107 Resp: 58358

Ion	Ratio	Lower	Upper
107	100		
109	96.6	76.0	114.0

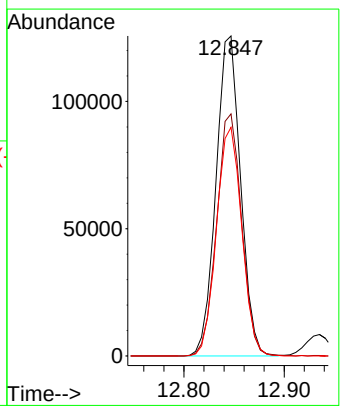


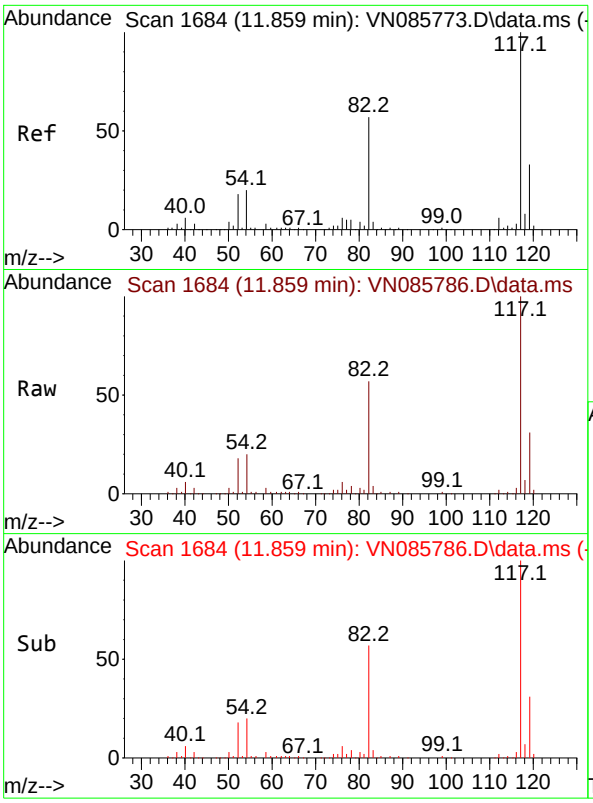


#62
4-Bromofluorobenzene
Concen: 56.623 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 95 Resp: 214234

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	152.4
176	73.3	0.0	146.6



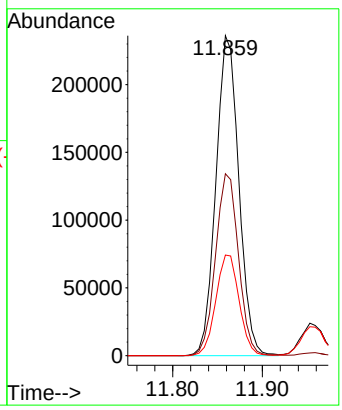


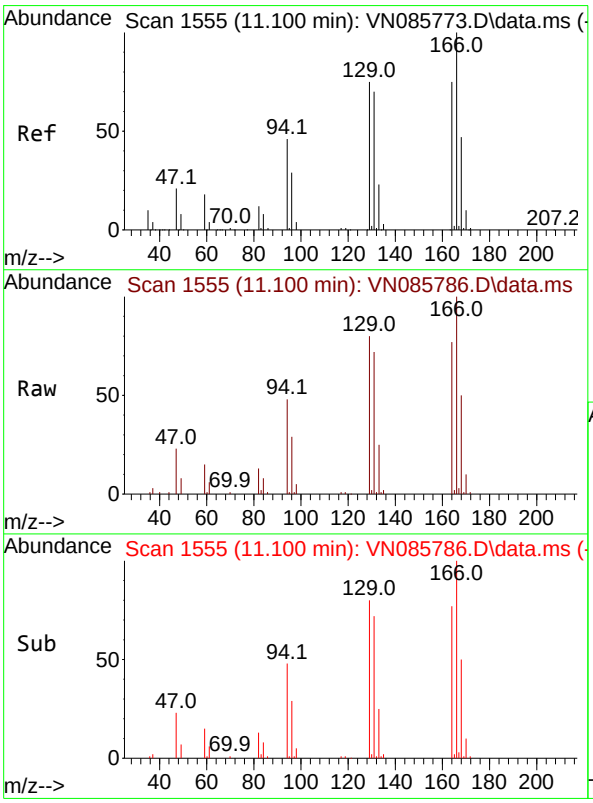
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:117 Resp: 419097

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.7	68.5
119	31.4	26.2	39.2

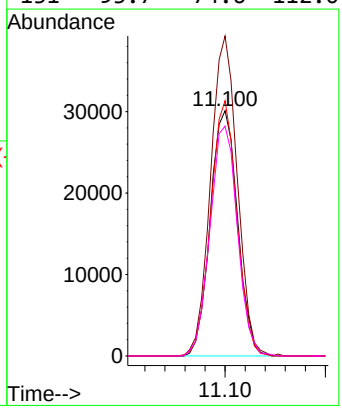


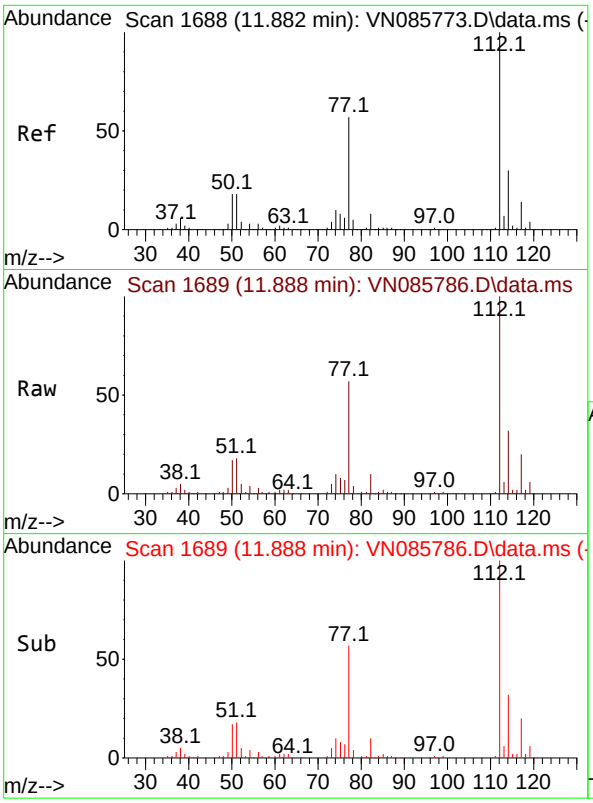


#64
Tetrachloroethene
Concen: 17.523 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:164 Resp: 56894

Ion	Ratio	Lower	Upper
164	100		
166	130.5	107.2	160.8
129	104.1	80.7	121.1
131	93.7	74.6	112.0



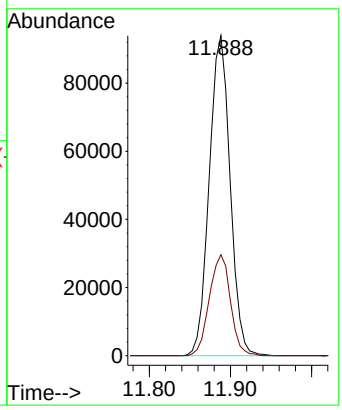


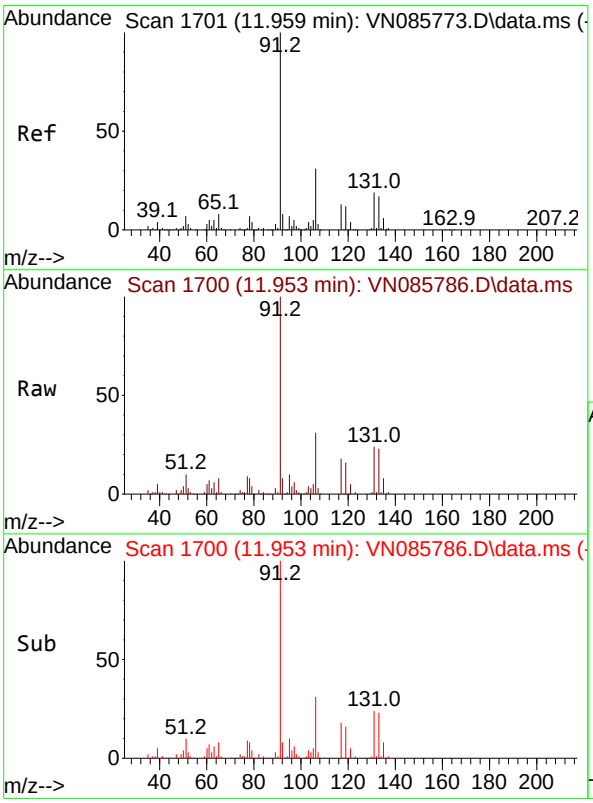
#65
Chlorobenzene
Concen: 17.490 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:112 Resp: 167918

Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.3	36.5

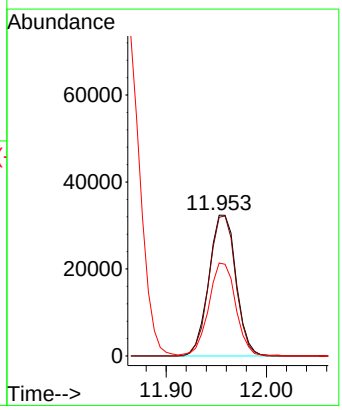


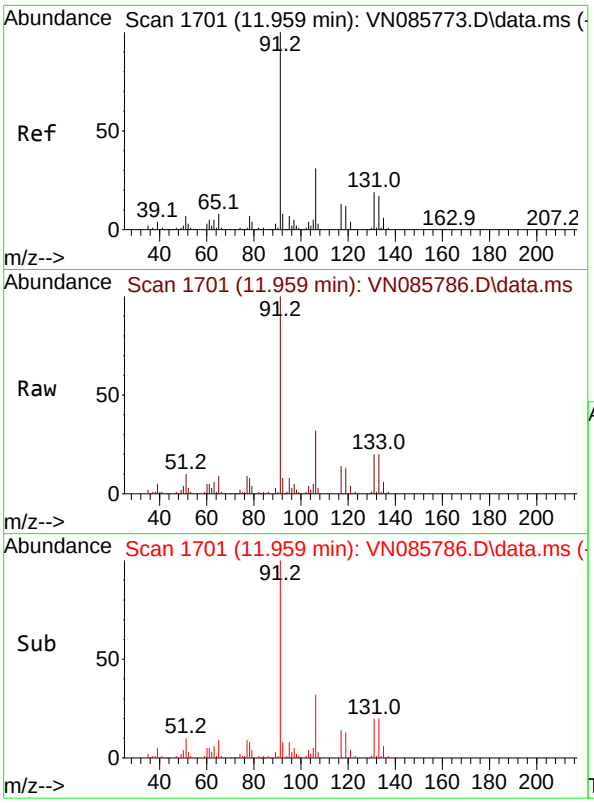


#66
1,1,1,2-Tetrachloroethane
Concen: 17.714 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:131 Resp: 61128

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.7	143.1
119	65.5	33.3	99.8



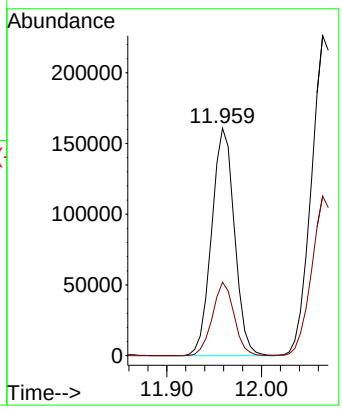


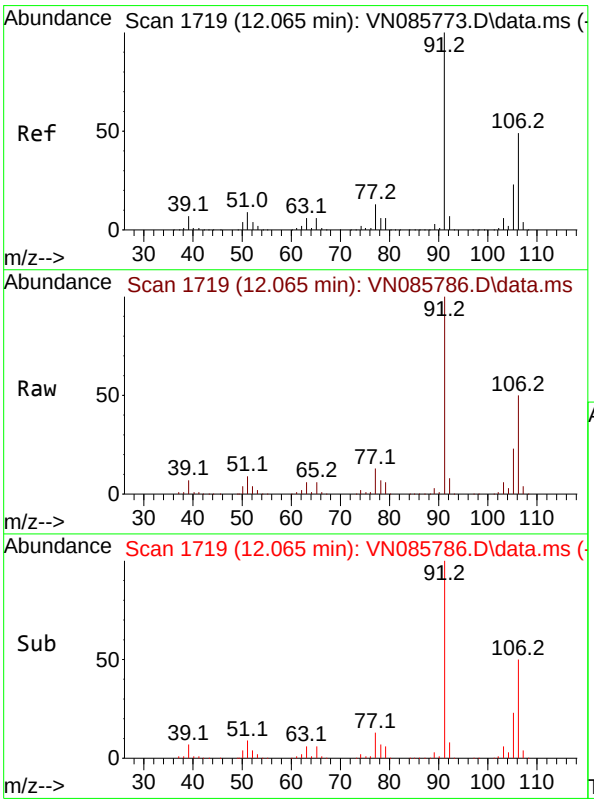
#67
Ethyl Benzene
Concen: 17.926 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 91 Resp: 269597

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.7	37.1

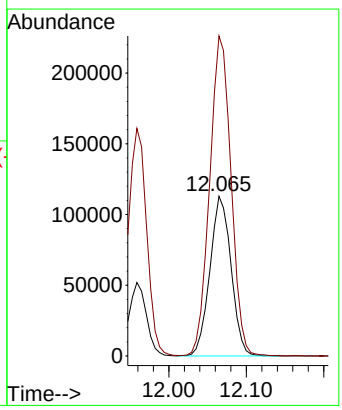


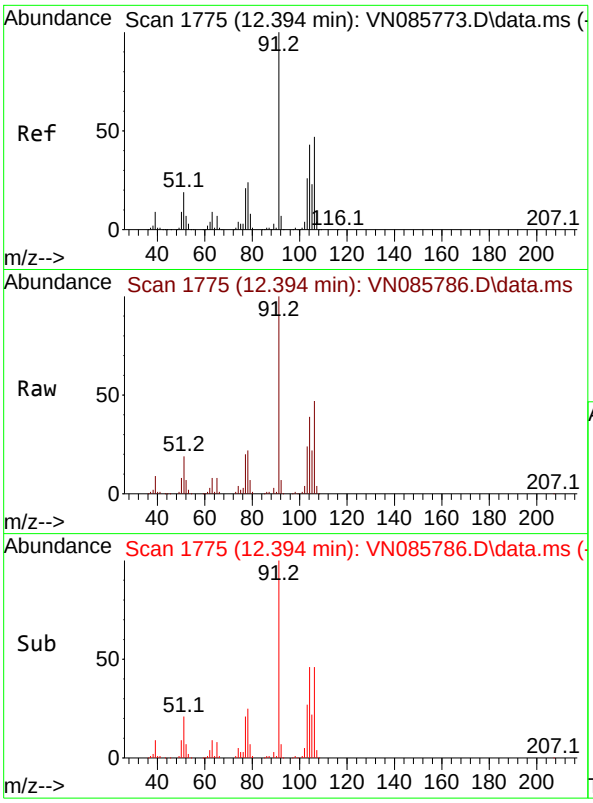


#68
m/p-Xylenes
Concen: 37.576 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:106 Resp: 214661

Ion	Ratio	Lower	Upper
106	100		
91	201.9	163.3	244.9



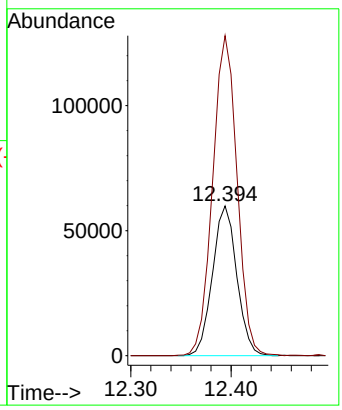


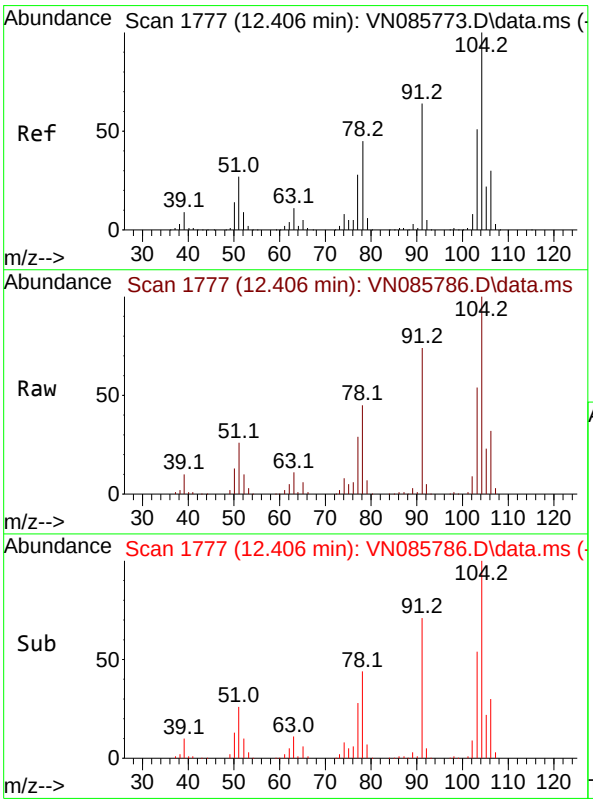
#69
o-Xylene
Concen: 18.543 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:106 Resp: 100658

Ion	Ratio	Lower	Upper
106	100		
91	215.0	107.1	321.4

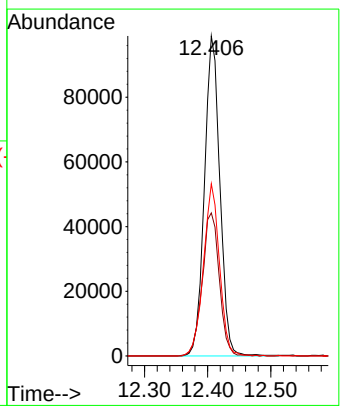


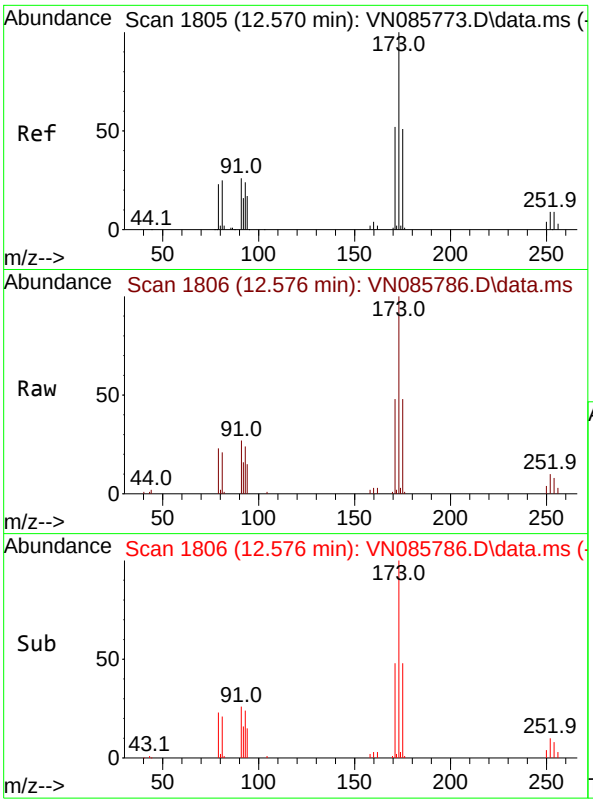


#70
Styrene
Concen: 18.098 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:104 Resp: 168188

Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.0	58.6
103	55.7	43.3	64.9



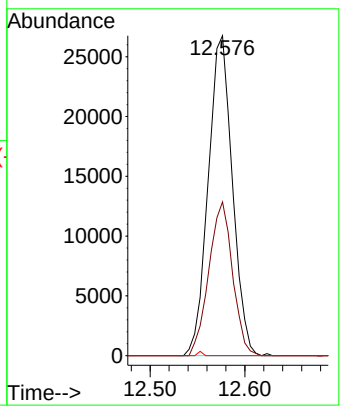


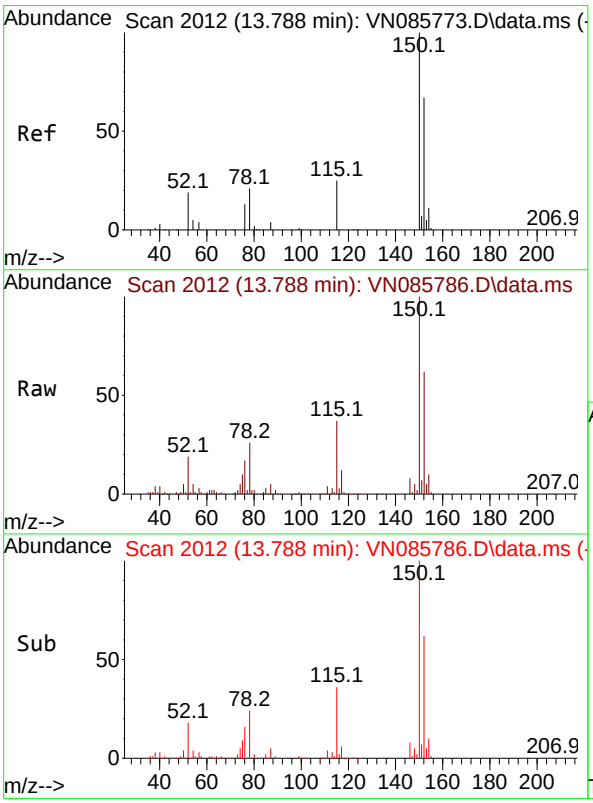
#71
Bromoform
Concen: 18.466 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:173 Resp: 47351

Ion	Ratio	Lower	Upper
173	100		
175	47.2	25.1	75.4
254	0.0	0.0	0.0

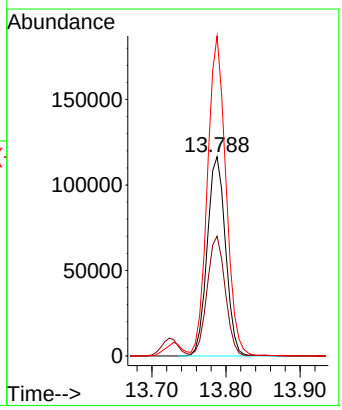


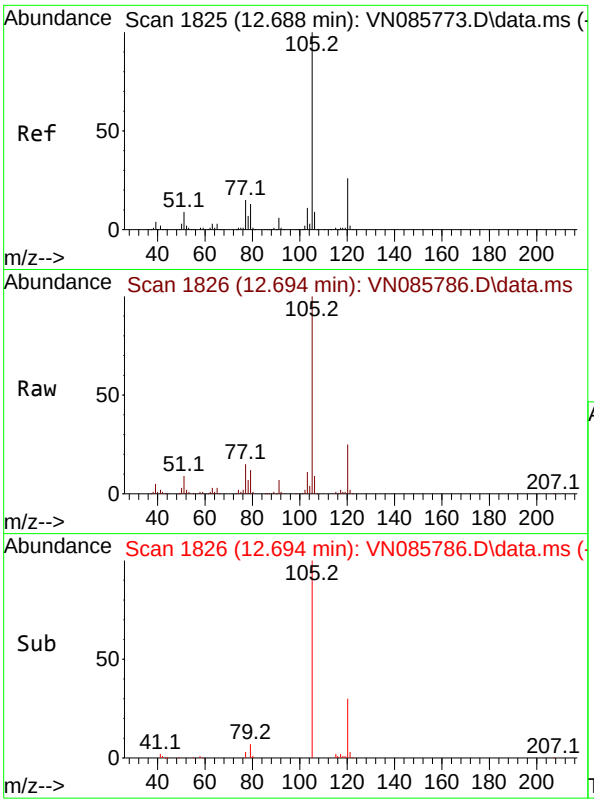


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:152 Resp: 199880

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.4	91.3
150	162.3	0.0	345.4



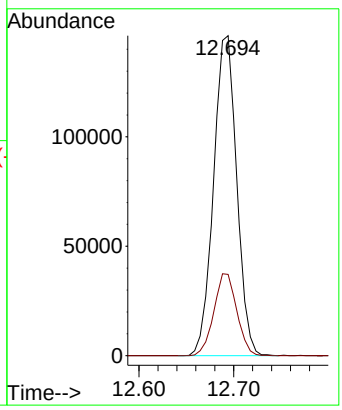


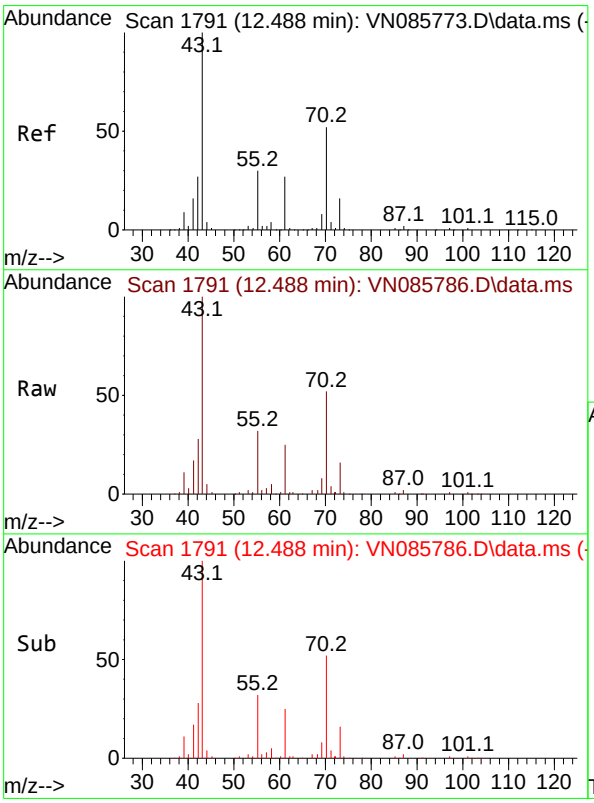
#73
Isopropylbenzene
Concen: 18.142 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:105 Resp: 248434

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

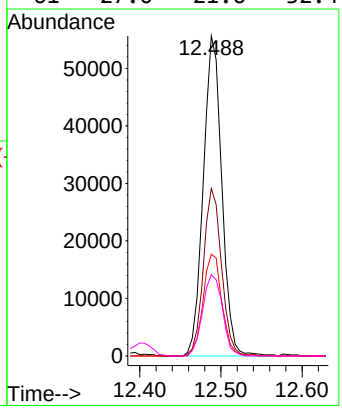


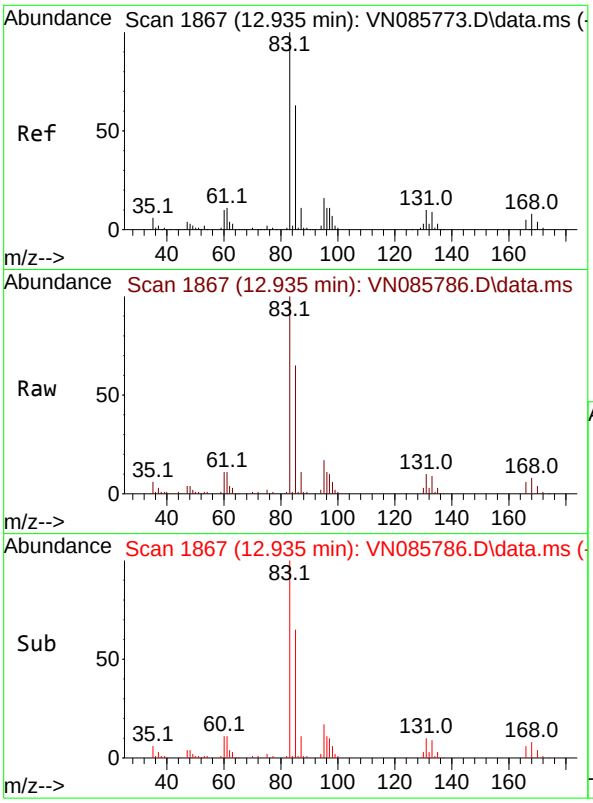


#74
N-amyl acetate
Concen: 18.254 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 43 Resp: 88150

Ion	Ratio	Lower	Upper
43	100		
70	51.0	41.0	61.4
55	32.4	24.6	36.8
61	27.0	21.6	32.4



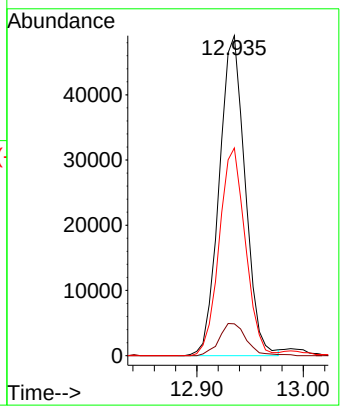


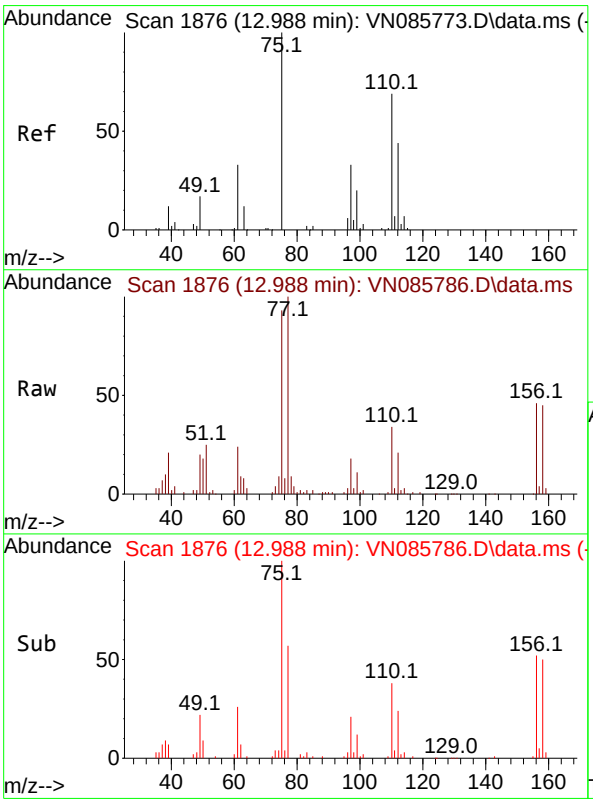
#75
1,1,2,2-Tetrachloroethane
Concen: 17.575 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 83 Resp: 82814

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.0	15.0
85	65.7	32.2	96.6

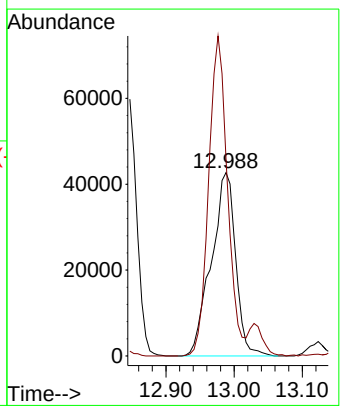


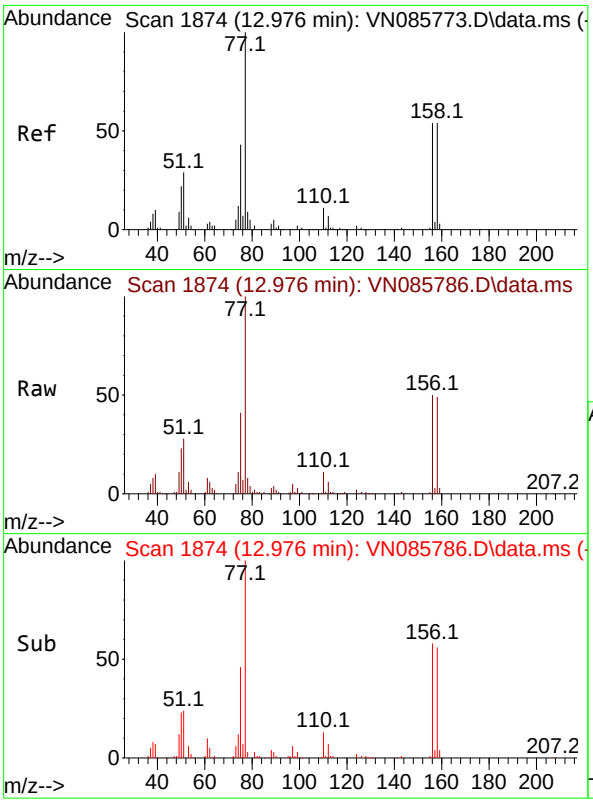


#76
1,2,3-Trichloropropane
Concen: 23.873 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 105996

Ion	Ratio	Lower	Upper
75	100		
77	135.6	100.0	300.0



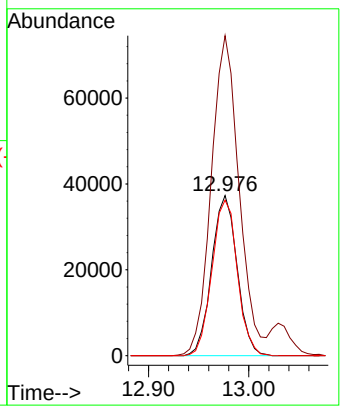


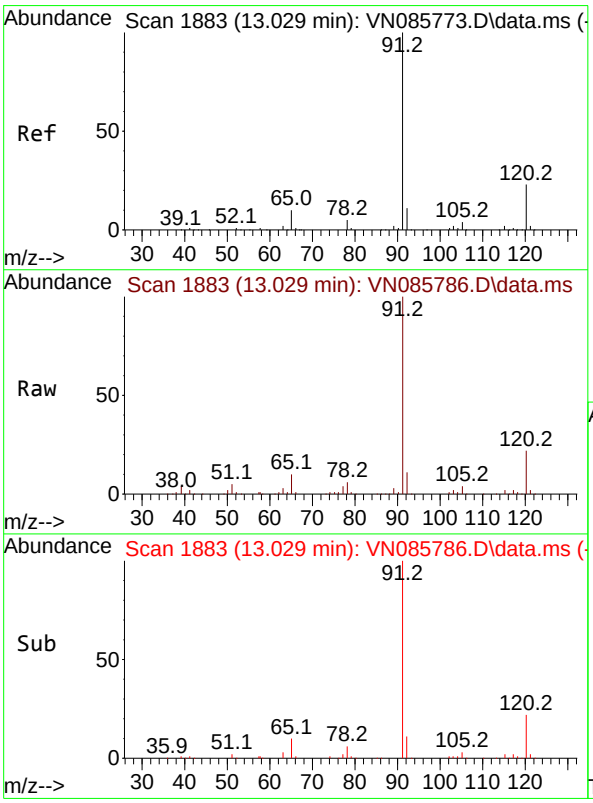
#77
Bromobenzene
Concen: 17.708 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:156 Resp: 65513

Ion	Ratio	Lower	Upper
156	100		
77	219.4	104.1	312.3
158	97.0	48.1	144.4

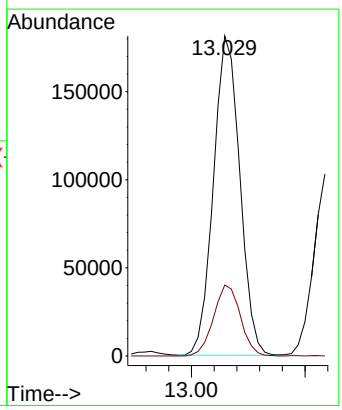


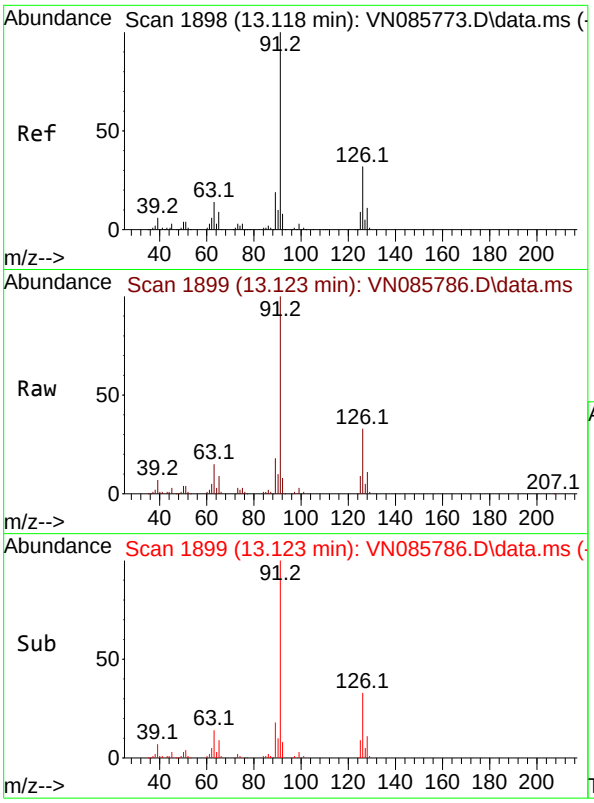


#78
n-propylbenzene
Concen: 18.627 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 91 Resp: 292124

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8



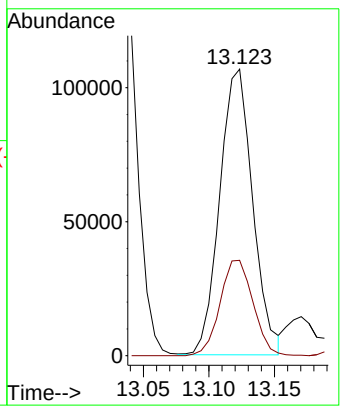


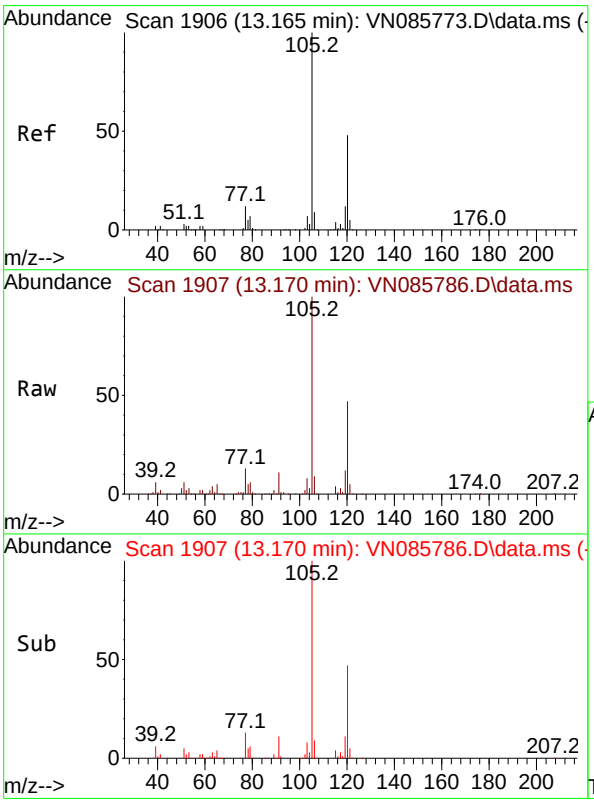
#79
2-Chlorotoluene
Concen: 17.830 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 91 Resp: 186830

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.1

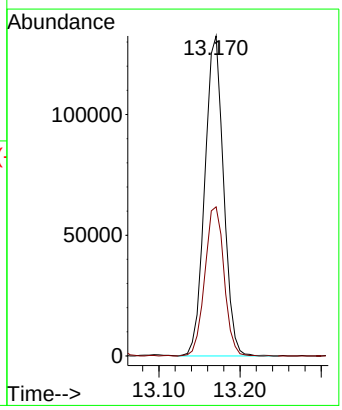


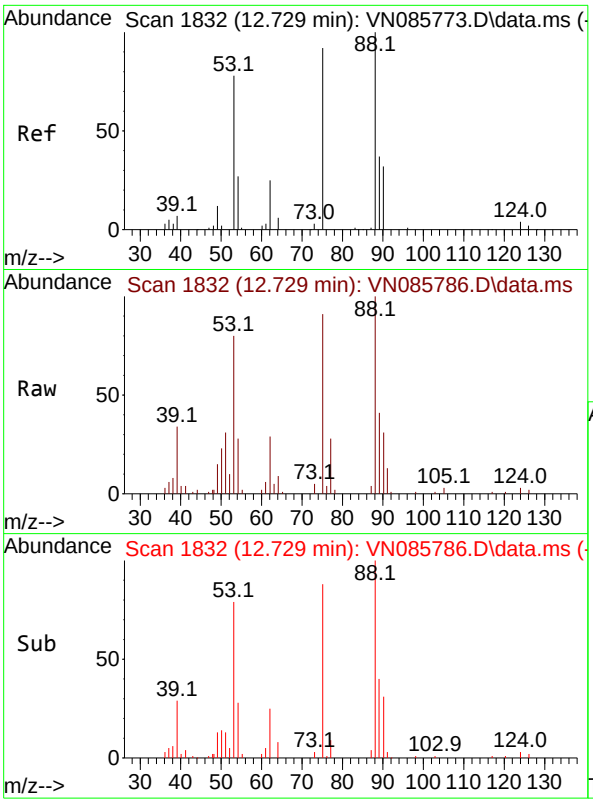


#80
1,3,5-Trimethylbenzene
Concen: 19.030 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:105 Resp: 212280

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.3	72.9



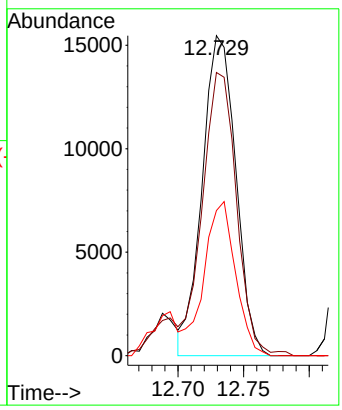


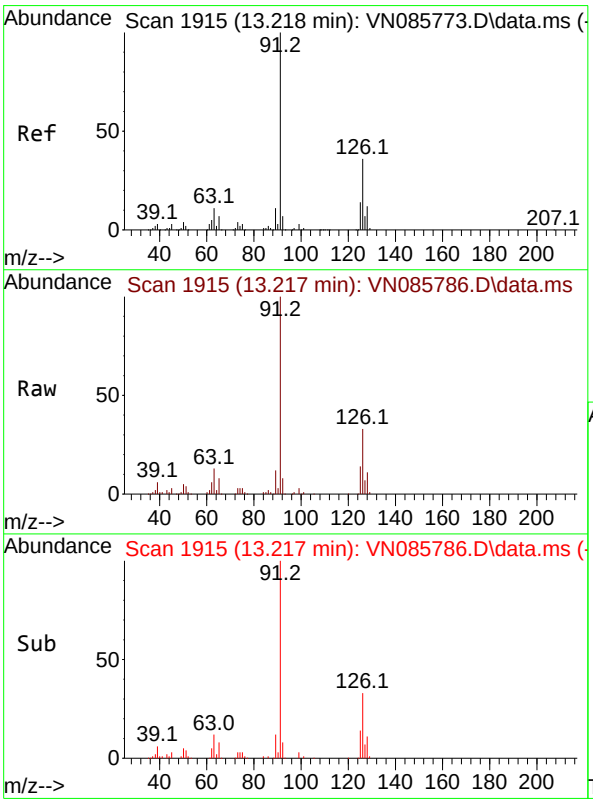
#81
trans-1,4-Dichloro-2-butene
Concen: 18.103 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 75 Resp: 27548

Ion	Ratio	Lower	Upper
75	100		
53	99.6	74.2	111.4
89	44.1	34.9	52.3

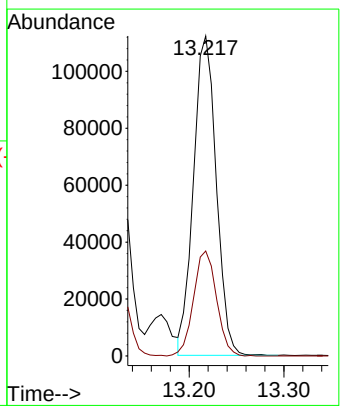


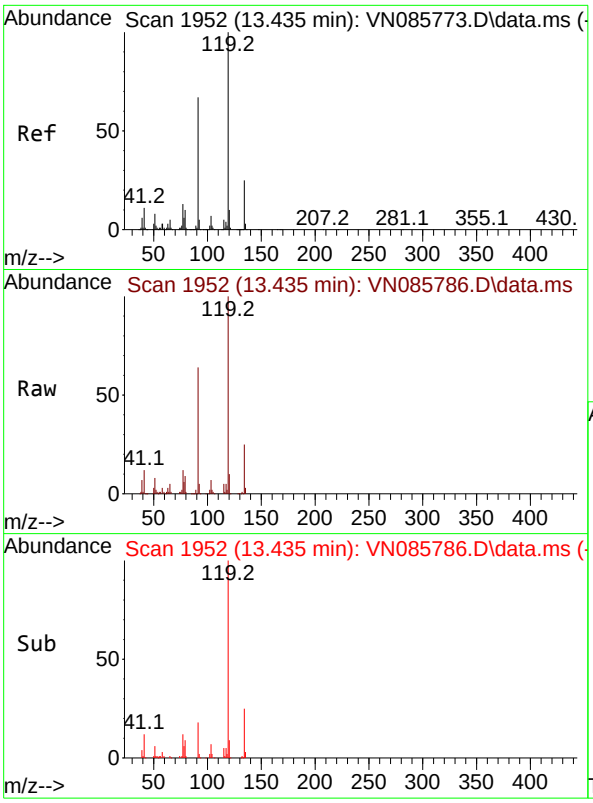


#82
4-Chlorotoluene
Concen: 18.067 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 91 Resp: 187674

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4



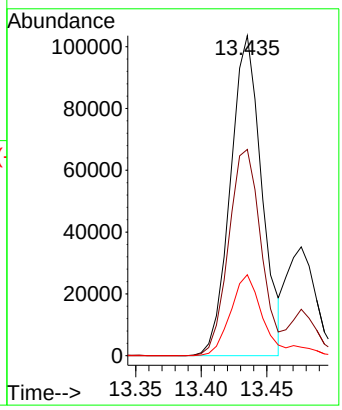


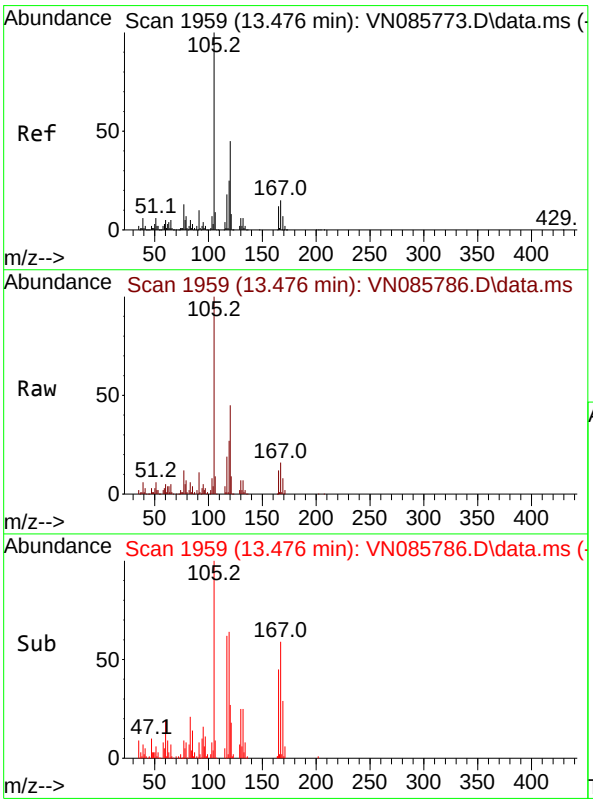
#83
tert-Butylbenzene
Concen: 18.340 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:119 Resp: 172030

Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.5	97.5
134	27.4	13.3	39.9

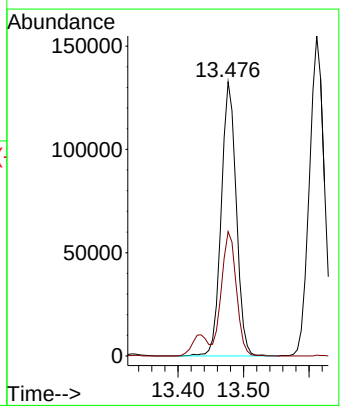


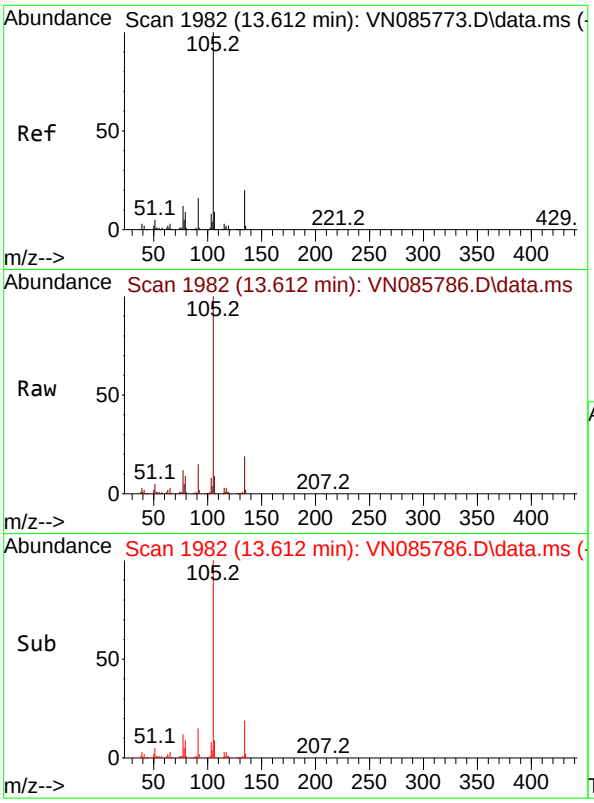


#84
1,2,4-Trimethylbenzene
Concen: 19.064 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:105 Resp: 210395

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.3



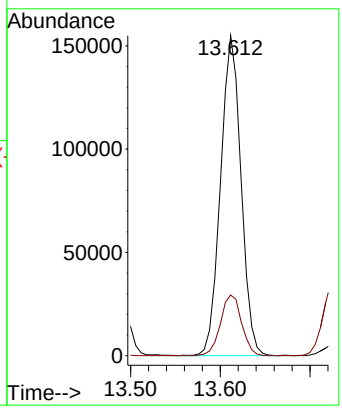


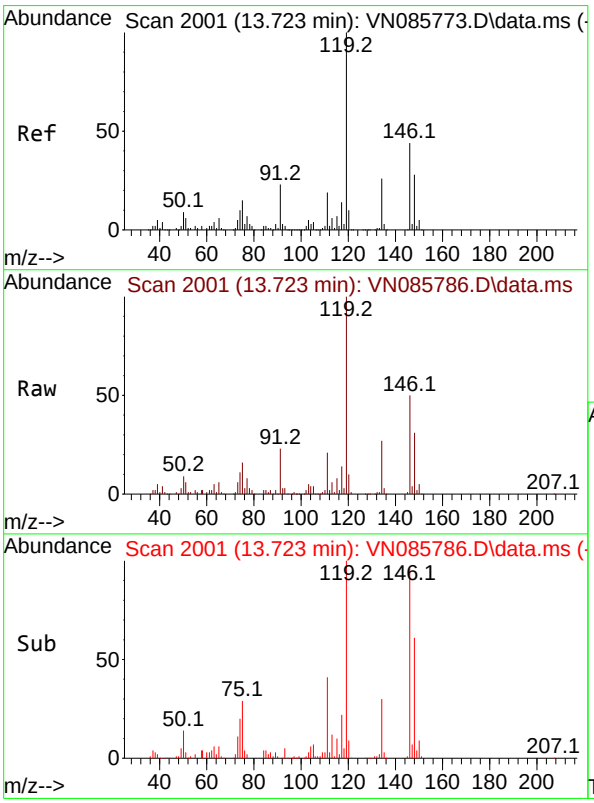
#85
sec-Butylbenzene
Concen: 18.524 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:105 Resp: 245503

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

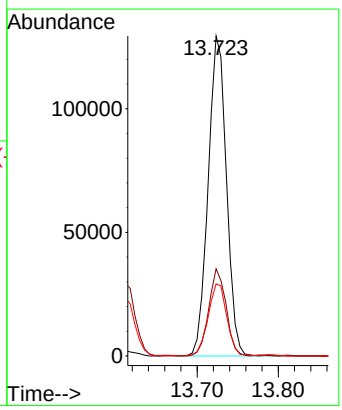


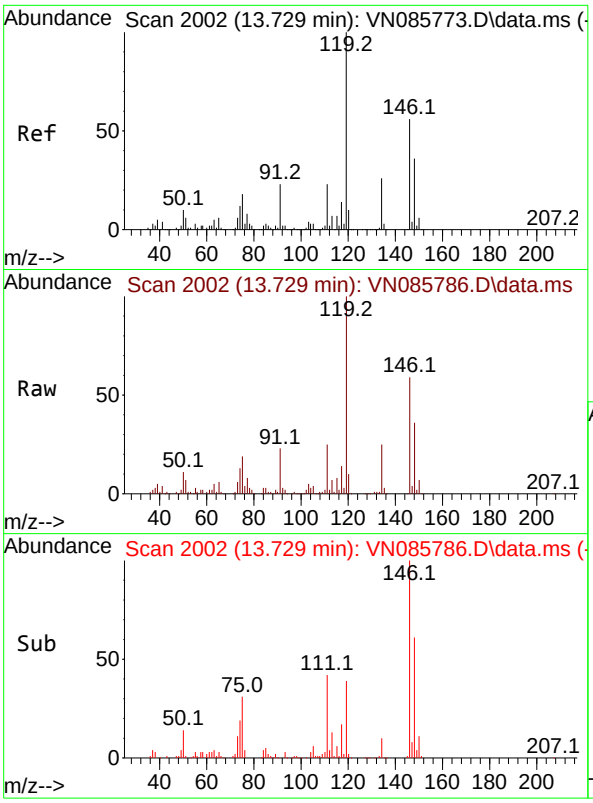


#86
p-Isopropyltoluene
Concen: 17.957 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:119 Resp: 202304

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	23.2	11.7	35.1



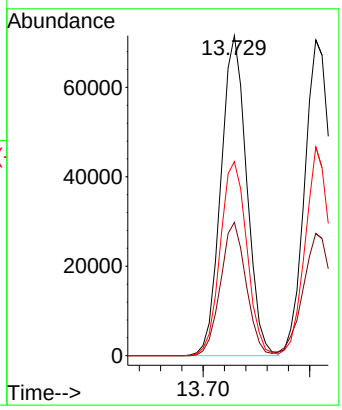


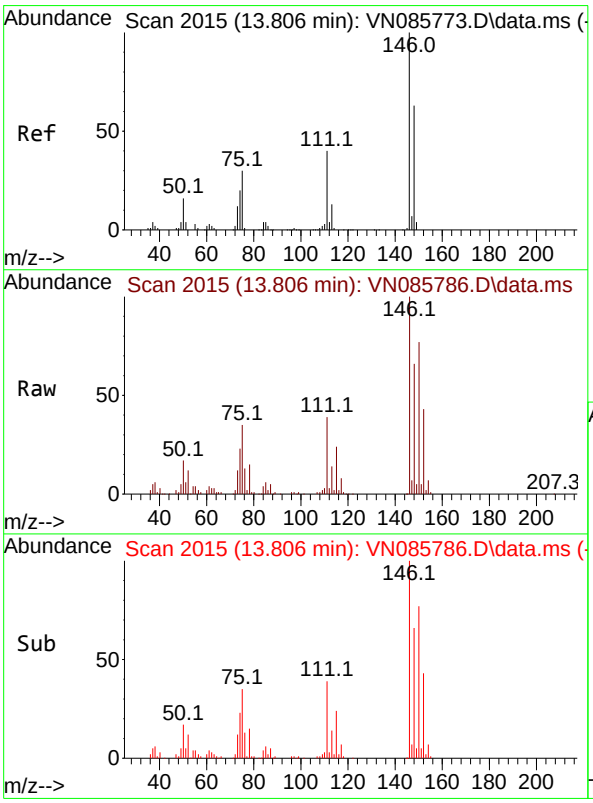
#87
1,3-Dichlorobenzene
Concen: 17.354 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:146 Resp: 120286

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	62.6	32.1	96.5

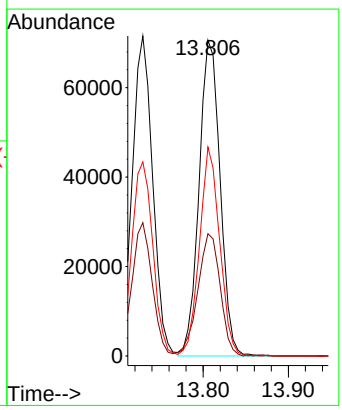


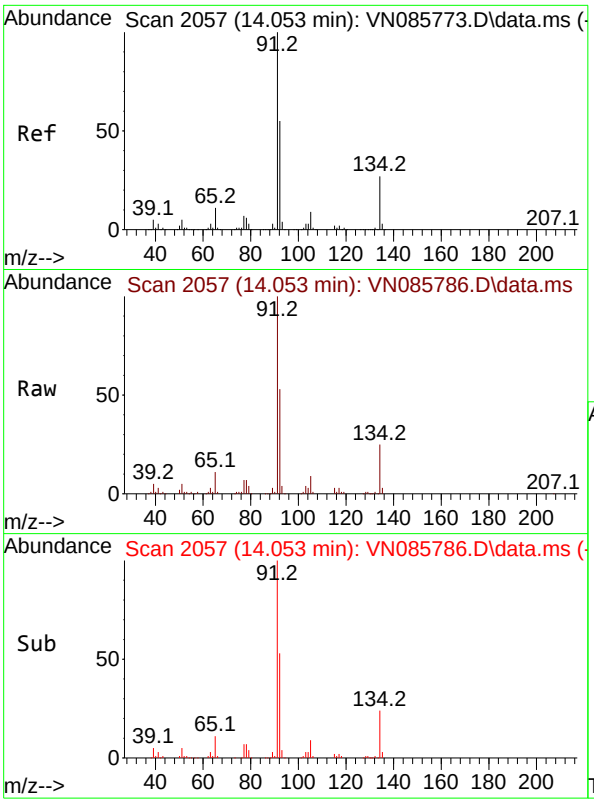


#88
1,4-Dichlorobenzene
Concen: 17.073 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:146 Resp: 121293

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	63.4	31.8	95.4



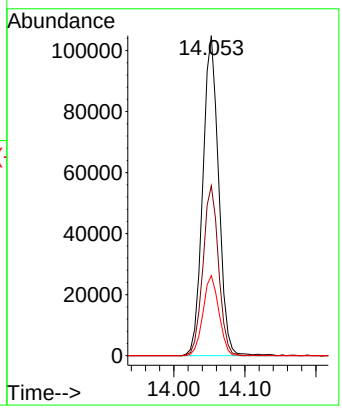


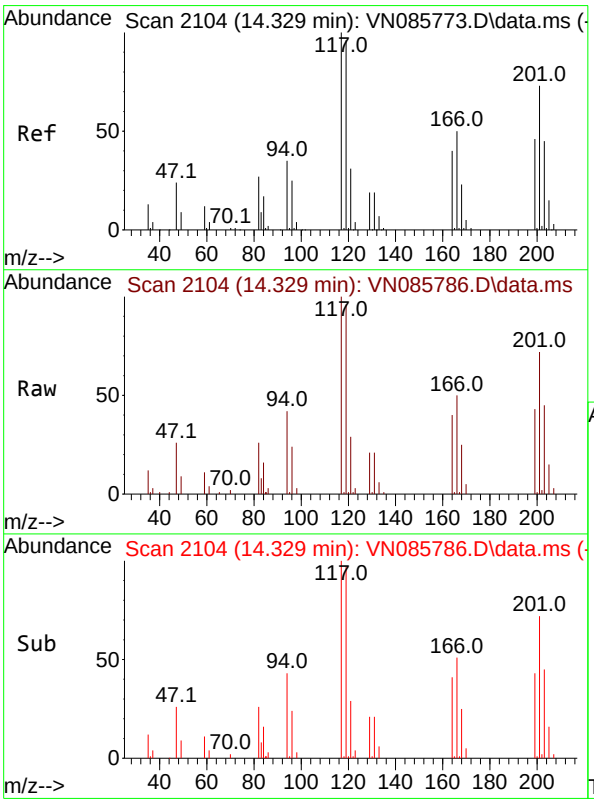
#89
n-Butylbenzene
Concen: 17.307 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion: 91 Resp: 162853

Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.1	81.3
134	25.0	12.7	38.1

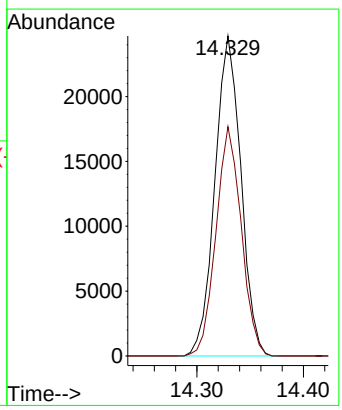


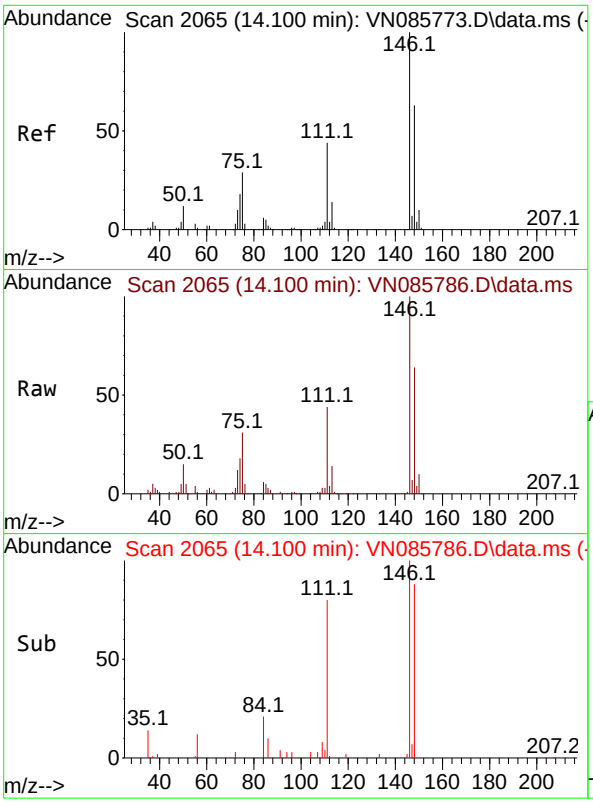


#90
Hexachloroethane
Concen: 16.669 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:117 Resp: 41839

Ion	Ratio	Lower	Upper
117	100		
201	69.7	35.6	106.9



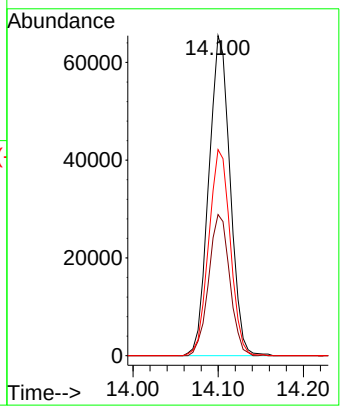


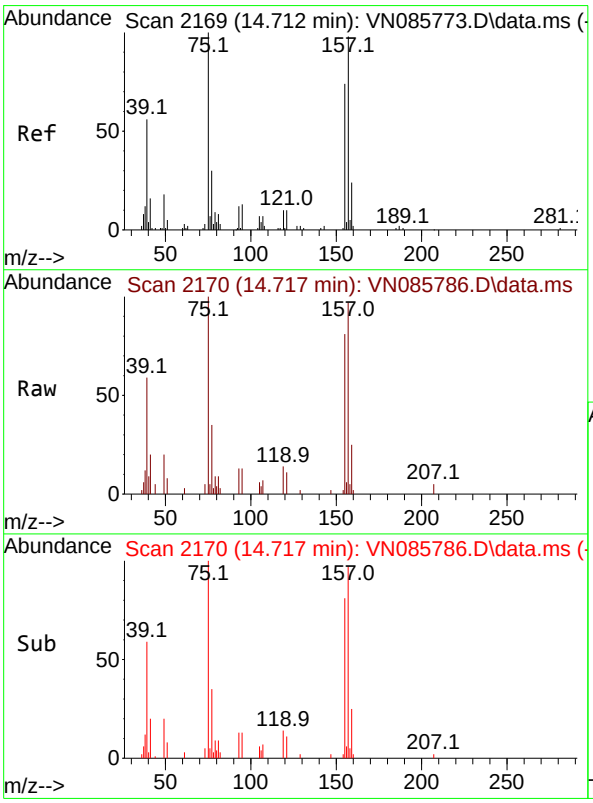
#91
1,2-Dichlorobenzene
Concen: 17.079 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:146 Resp: 113836

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	65.1	32.0	96.2

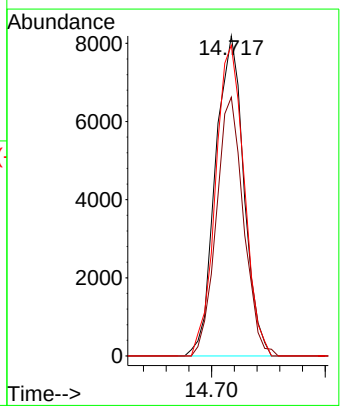


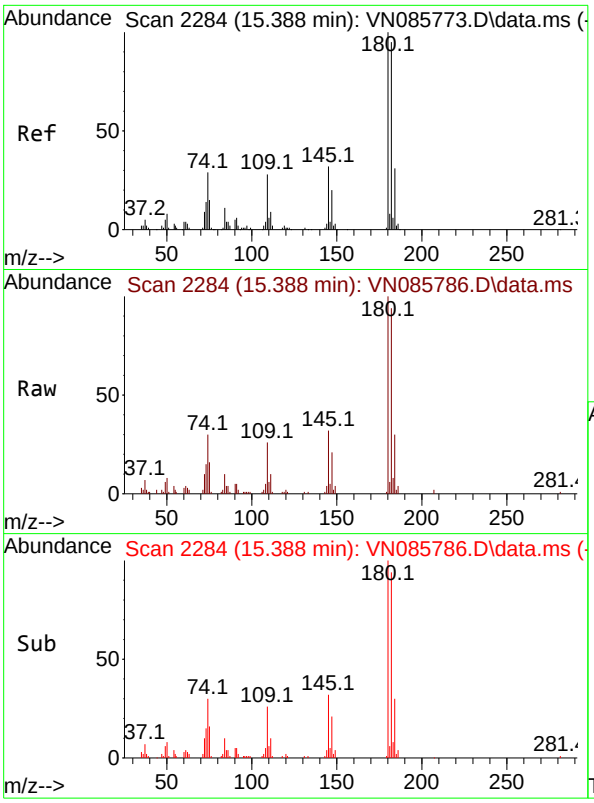


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.415 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion: 75 Resp: 14204

Ion	Ratio	Lower	Upper
75	100		
155	77.6	39.9	119.6
157	97.9	49.9	149.7



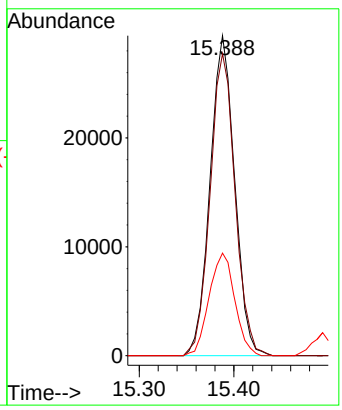


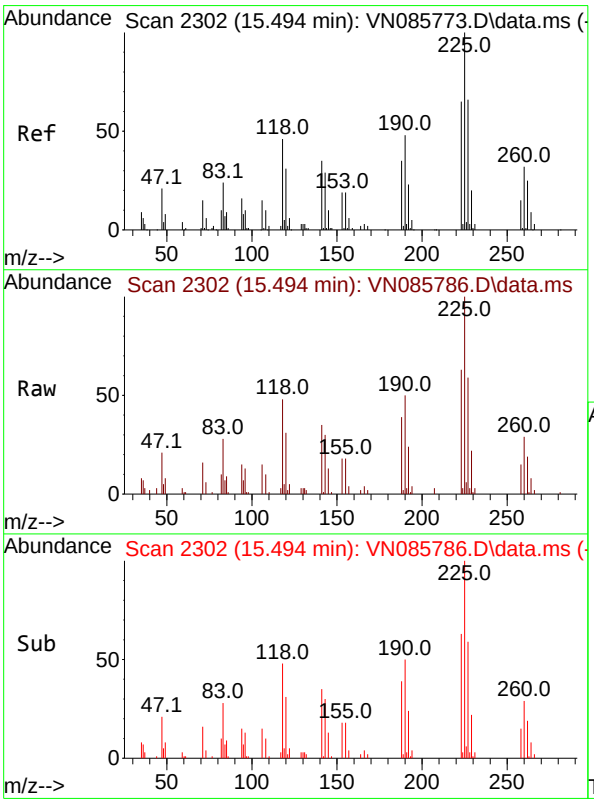
#93
1,2,4-Trichlorobenzene
Concen: 16.681 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:180 Resp: 52980

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	33.5	16.2	48.5

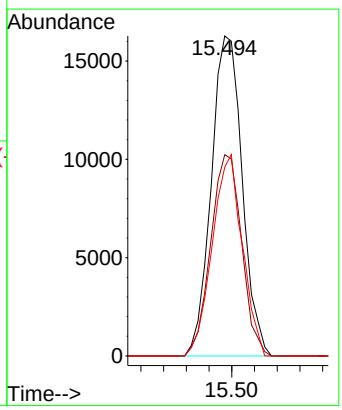


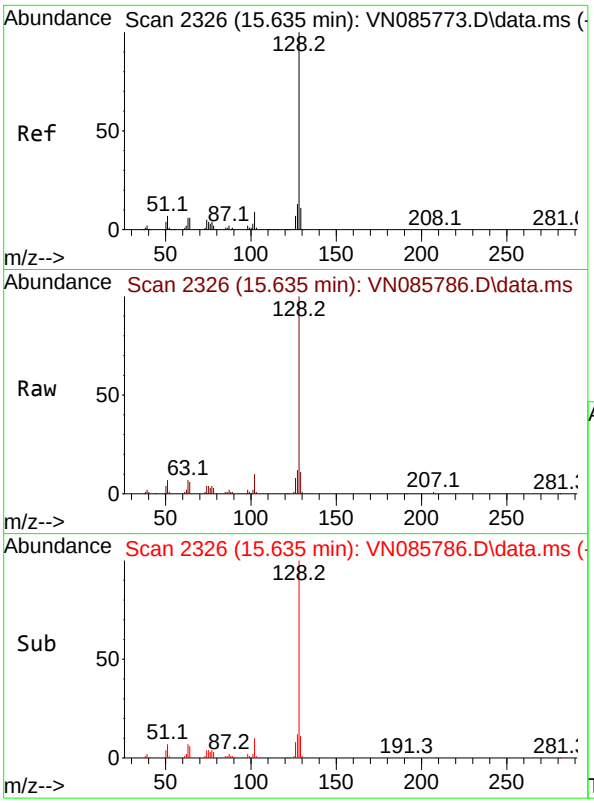


#94
Hexachlorobutadiene
Concen: 15.921 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:225 Resp: 30731

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	61.0	32.2	96.6



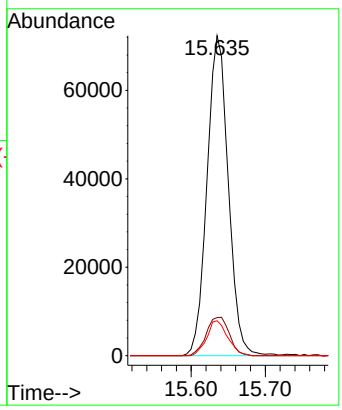


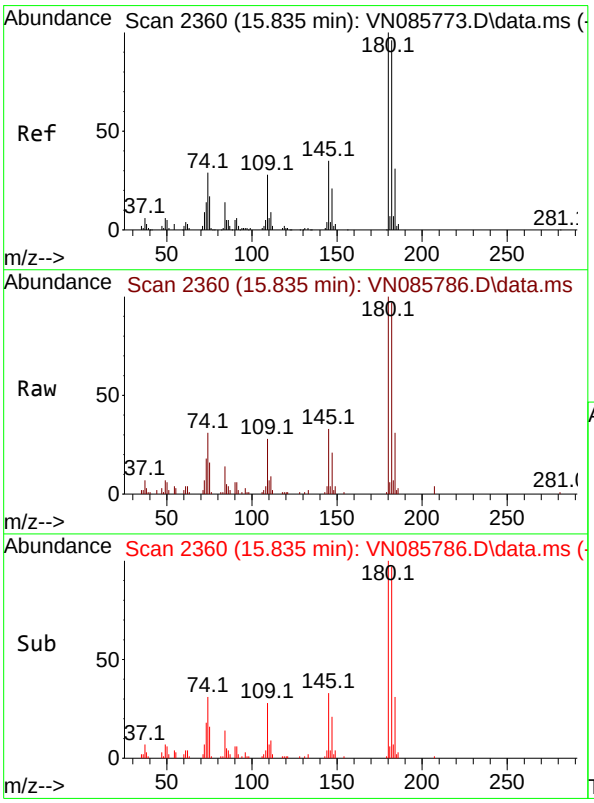
#95
Naphthalene
Concen: 16.554 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tgt Ion:128 Resp: 144340

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.7	8.7	13.1

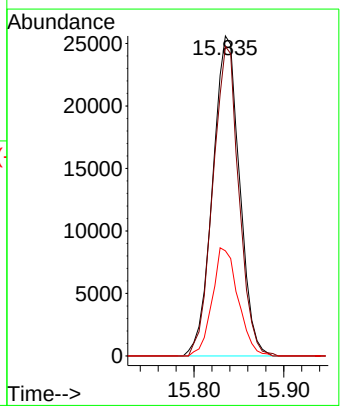




#96
1,2,3-Trichlorobenzene
Concen: 16.662 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085786.D
Acq: 19 Feb 2025 13:22

Tgt Ion:180 Resp: 53127

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	141.8
145	32.5	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	314689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	508489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	458383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	232482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	208161	51.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.040%			
35) Dibromofluoromethane	8.159	113	175528	52.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	10.559	98	674218	55.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.380%			
62) 4-Bromofluorobenzene	12.847	95	236610	59.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	186478	43.565	ug/l	100
3) Chloromethane	2.359	50	184635	42.986	ug/l	95
4) Vinyl Chloride	2.512	62	194748	42.823	ug/l	99
5) Bromomethane	2.953	94	120501	41.439	ug/l	96
6) Chloroethane	3.118	64	121708	40.403	ug/l	97
7) Trichlorofluoromethane	3.500	101	276286	41.961	ug/l	100
8) Diethyl Ether	3.959	74	96989	45.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	166083	43.637	ug/l	100
10) Methyl Iodide	4.589	142	212171	45.224	ug/l	100
11) Tert butyl alcohol	5.512	59	114382	227.948	ug/l	100
12) 1,1-Dichloroethene	4.342	96	152662	44.237	ug/l	96
13) Acrolein	4.177	56	183499	246.597	ug/l	99
14) Allyl chloride	5.024	41	206663	45.612	ug/l	96
15) Acrylonitrile	5.712	53	379650	232.731	ug/l	99
16) Acetone	4.418	43	328698	254.620	ug/l	100
17) Carbon Disulfide	4.712	76	422830	41.341	ug/l	98
18) Methyl Acetate	5.018	43	195346	43.995	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	491948	47.972	ug/l	97
20) Methylene Chloride	5.271	84	173911	41.891	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	162686	43.781	ug/l	96
22) Diisopropyl ether	6.665	45	497270	48.571	ug/l	99
23) Vinyl Acetate	6.594	43	1693494	241.583	ug/l	99
24) 1,1-Dichloroethane	6.565	63	309410	44.457	ug/l	98
25) 2-Butanone	7.477	43	480353	252.924	ug/l	99
26) 2,2-Dichloropropane	7.488	77	276166	44.624	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	194480	45.138	ug/l	99
28) Bromochloromethane	7.812	49	160850	56.231	ug/l	97
29) Tetrahydrofuran	7.835	42	306901	250.245	ug/l	99
30) Chloroform	7.959	83	320212	44.027	ug/l	96
31) Cyclohexane	8.253	56	242308	41.582	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	284356	43.956	ug/l	99
36) 1,1-Dichloropropene	8.371	75	222094	47.163	ug/l	99
37) Ethyl Acetate	7.553	43	187271	48.325	ug/l	99
38) Carbon Tetrachloride	8.359	117	250101	44.699	ug/l	96
39) Methylcyclohexane	9.594	83	236828	51.193	ug/l	100
40) Benzene	8.600	78	700374	46.405	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	104465	50.427	ug/l		97
42) 1,2-Dichloroethane	8.665	62	226801	46.134	ug/l		99
43) Isopropyl Acetate	8.682	43	325471	47.833	ug/l		99
44) Trichloroethene	9.347	130	164443	44.375	ug/l		100
45) 1,2-Dichloropropane	9.618	63	170014	46.667	ug/l		100
46) Dibromomethane	9.706	93	118154	45.979	ug/l		99
47) Bromodichloromethane	9.882	83	254115	46.221	ug/l		98
48) Methyl methacrylate	9.677	41	147289	51.177	ug/l		97
49) 1,4-Dioxane	9.688	88	56363	1029.861	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	966366	258.644	ug/l		100
52) Toluene	10.624	92	441319	49.882	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	256600	50.474	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	275582	49.435	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	164418	46.742	ug/l		98
56) Ethyl methacrylate	10.871	69	248737	49.269	ug/l		99
57) 1,3-Dichloropropane	11.159	76	280770	47.815	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	655472	308.192	ug/l		100
59) 2-Hexanone	11.188	43	710628	276.471	ug/l		99
60) Dibromochloromethane	11.353	129	197780	48.286	ug/l		99
61) 1,2-Dibromoethane	11.465	107	160097	48.170	ug/l		100
64) Tetrachloroethene	11.100	164	154650	43.550	ug/l		94
65) Chlorobenzene	11.888	112	473346	45.077	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	169690	44.959	ug/l		99
67) Ethyl Benzene	11.959	91	821966	49.970	ug/l		98
68) m/p-Xylenes	12.065	106	645674	103.338	ug/l		99
69) o-Xylene	12.394	106	304825	51.340	ug/l		100
70) Styrene	12.406	104	522609	47.549	ug/l		100
71) Bromoform	12.576	173	133117	47.464	ug/l	#	97
73) Isopropylbenzene	12.694	105	768379	48.243	ug/l		100
74) N-amyl acetate	12.488	43	270762	48.207	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	229993	41.964	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	302392	58.555	ug/l		56
77) Bromobenzene	12.976	156	190912	44.367	ug/l		98
78) n-propylbenzene	13.035	91	908575	49.811	ug/l		99
79) 2-Chlorotoluene	13.123	91	558615	45.836	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	648399	49.976	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	92422	52.218	ug/l		89
82) 4-Chlorotoluene	13.217	91	567337	46.957	ug/l		100
83) tert-Butylbenzene	13.435	119	539365	49.436	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	658361	51.289	ug/l		99
85) sec-Butylbenzene	13.612	105	769769	49.936	ug/l		100
86) p-Isopropyltoluene	13.723	119	646548	46.109	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	352513	43.726	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	349584	42.308	ug/l		100
89) n-Butylbenzene	14.053	91	542751	49.591	ug/l		99
90) Hexachloroethane	14.329	117	123948	42.457	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	340178	43.880	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40657	40.398	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	168128	45.512	ug/l		99
94) Hexachlorobutadiene	15.494	225	87539	38.992	ug/l		99
95) Naphthalene	15.635	128	466312	45.979	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	158346	42.697	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

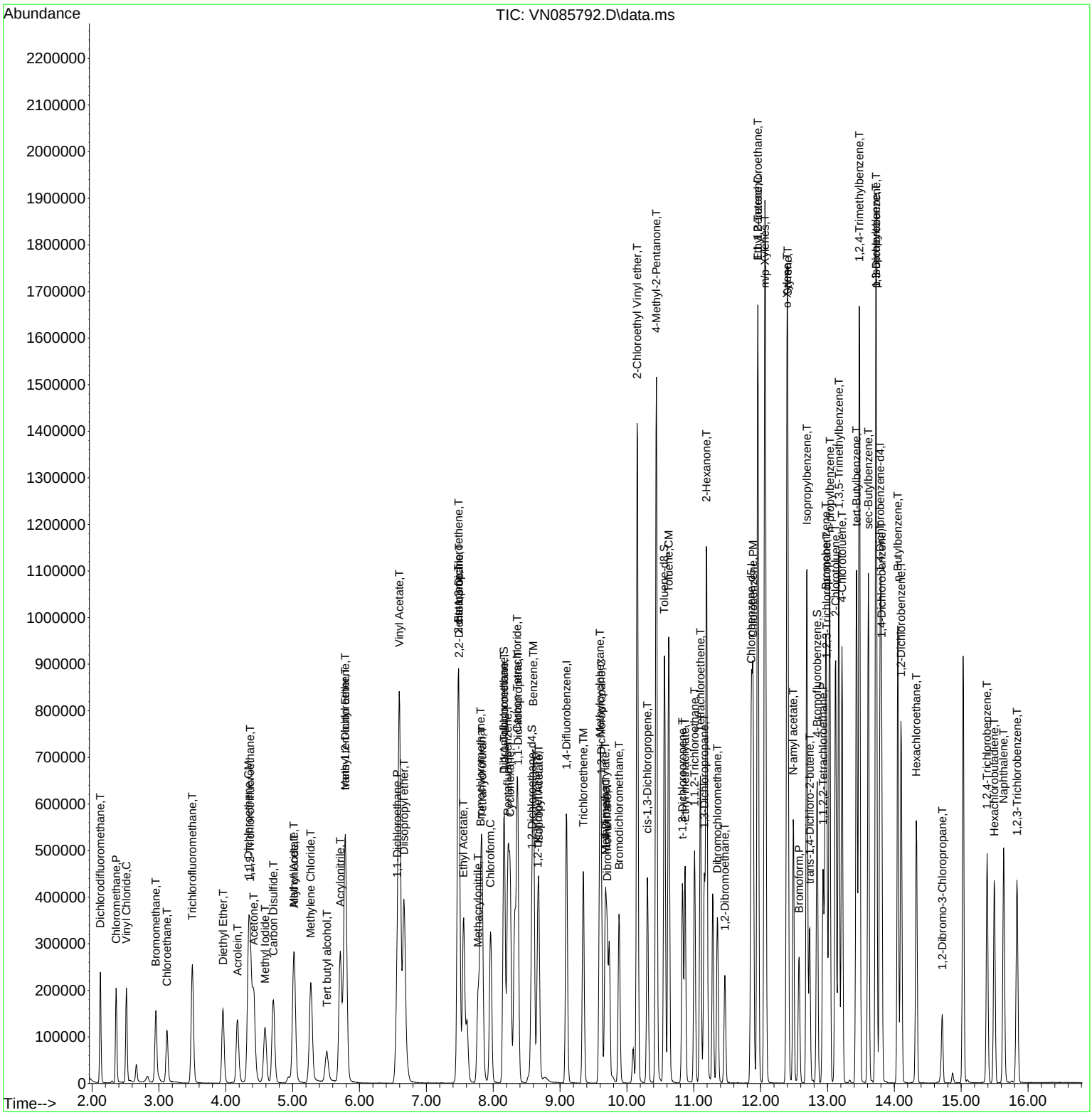
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

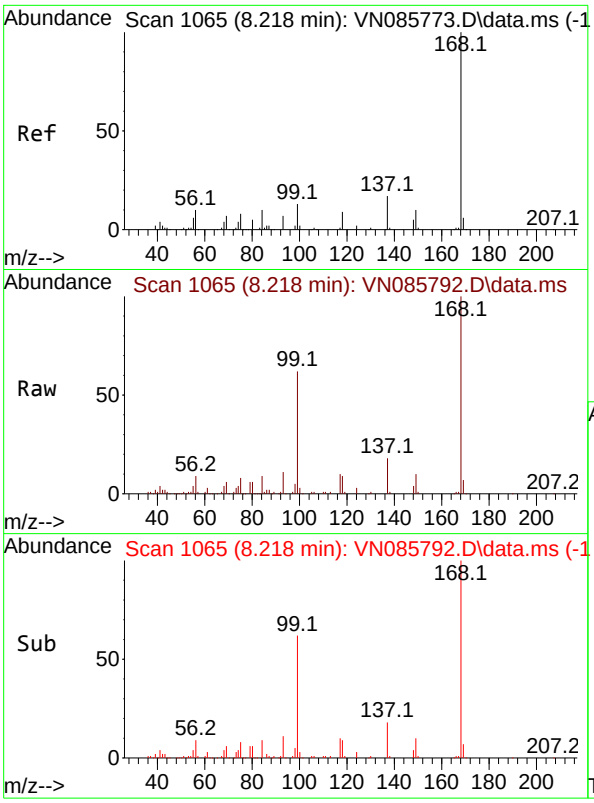
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
Data File : VN085792.D
Acq On : 19 Feb 2025 15:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:49:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



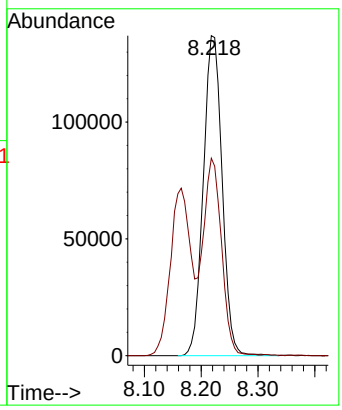


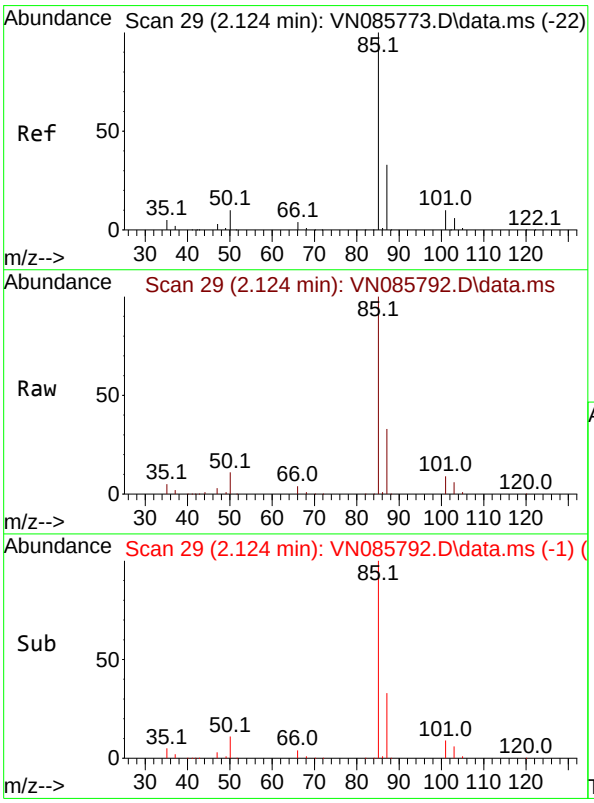
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 314689

Ion	Ratio	Lower	Upper
168	100		
99	61.6	47.9	71.9

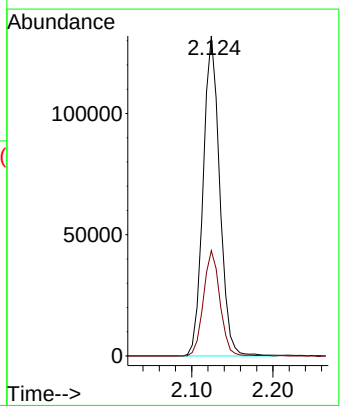


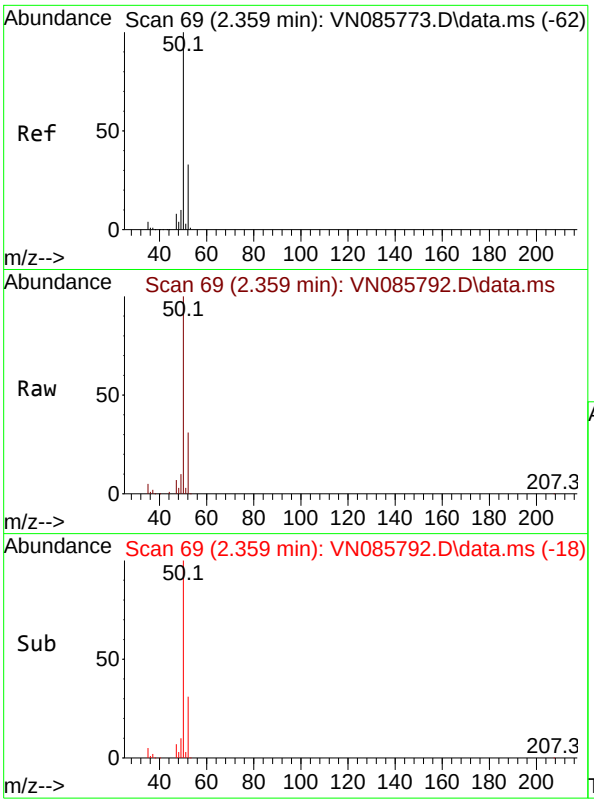


#2
Dichlorodifluoromethane
Concen: 43.565 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 85 Resp: 186478

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.4	49.2



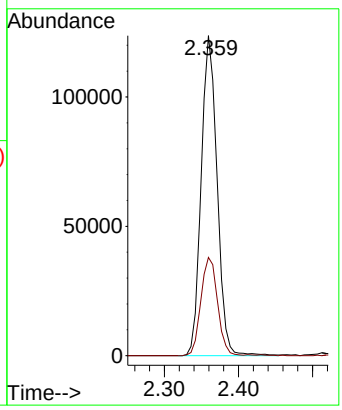


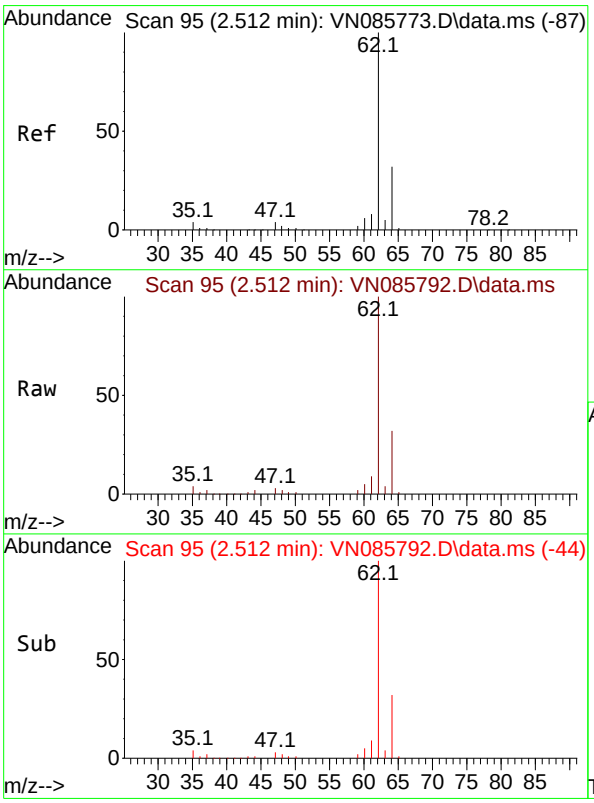
#3
Chloromethane
Concen: 42.986 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 184635

Ion	Ratio	Lower	Upper
50	100		
52	30.7	26.7	40.1

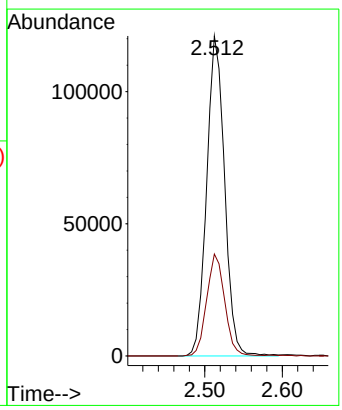


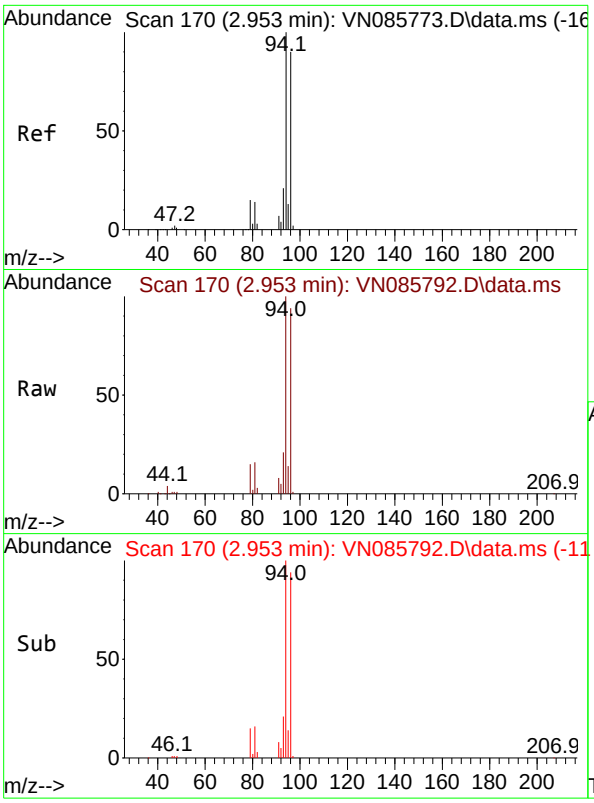


#4
Vinyl Chloride
Concen: 42.823 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 62 Resp: 194748

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.9	38.9



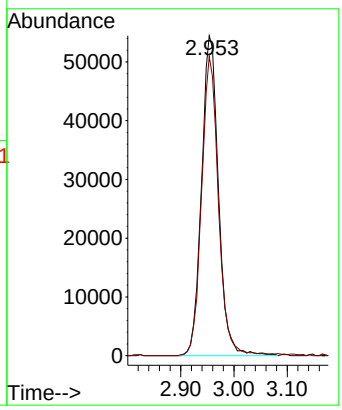


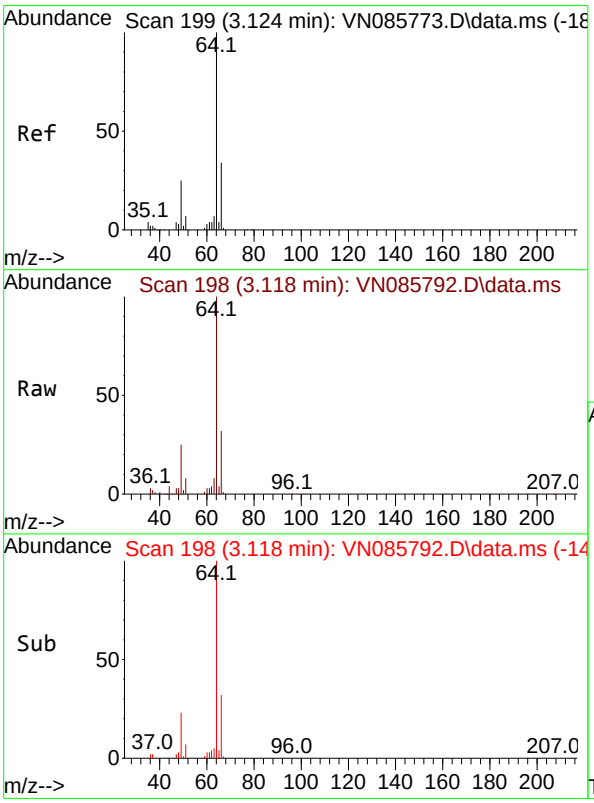
#5
Bromomethane
Concen: 41.439 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 120501

Ion	Ratio	Lower	Upper
94	100		
96	93.5	71.7	107.5

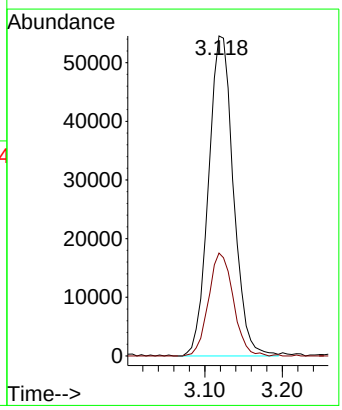


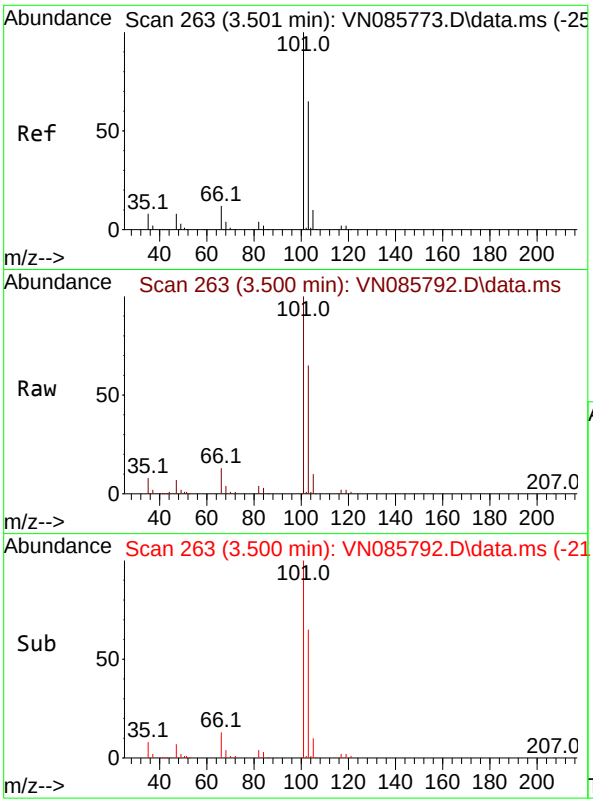


#6
Chloroethane
Concen: 40.403 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 64 Resp: 121708

Ion	Ratio	Lower	Upper
64	100		
66	32.2	27.0	40.6



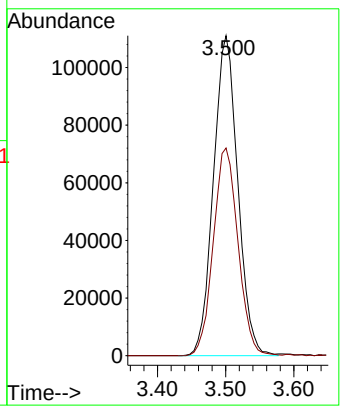


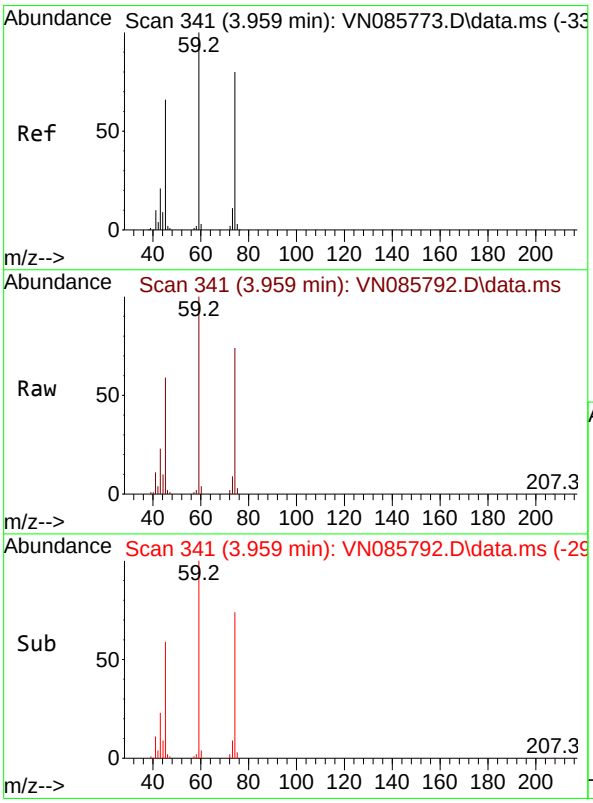
#7
Trichlorofluoromethane
Concen: 41.961 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 276286

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.4

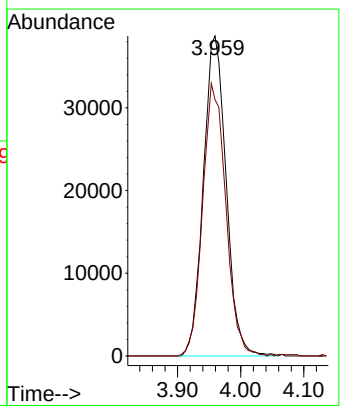


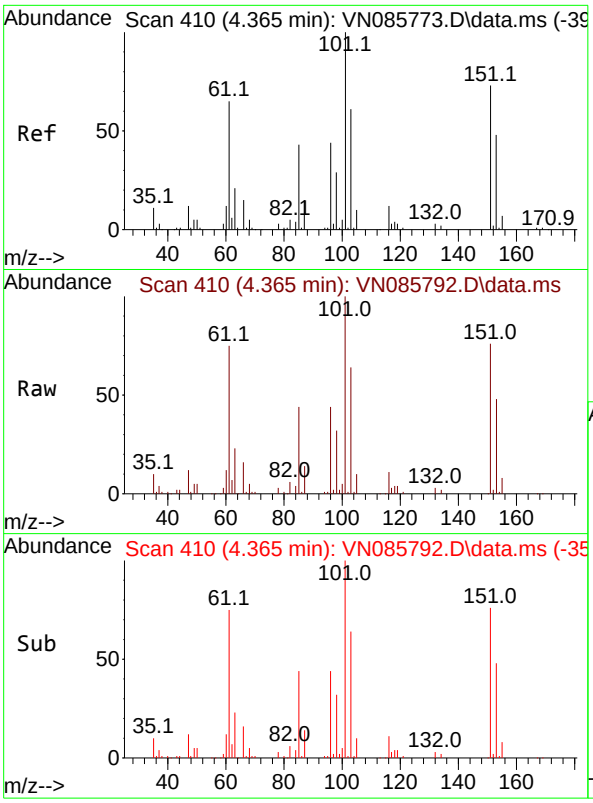


#8
Diethyl Ether
Concen: 45.525 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 74 Resp: 96989

Ion	Ratio	Lower	Upper
74	100		
45	86.6	42.5	127.6



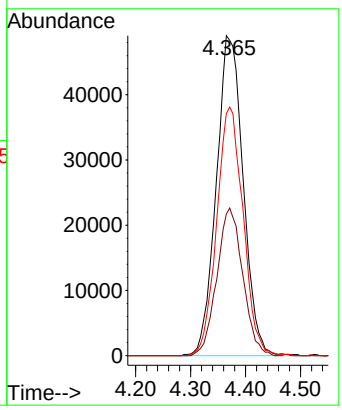


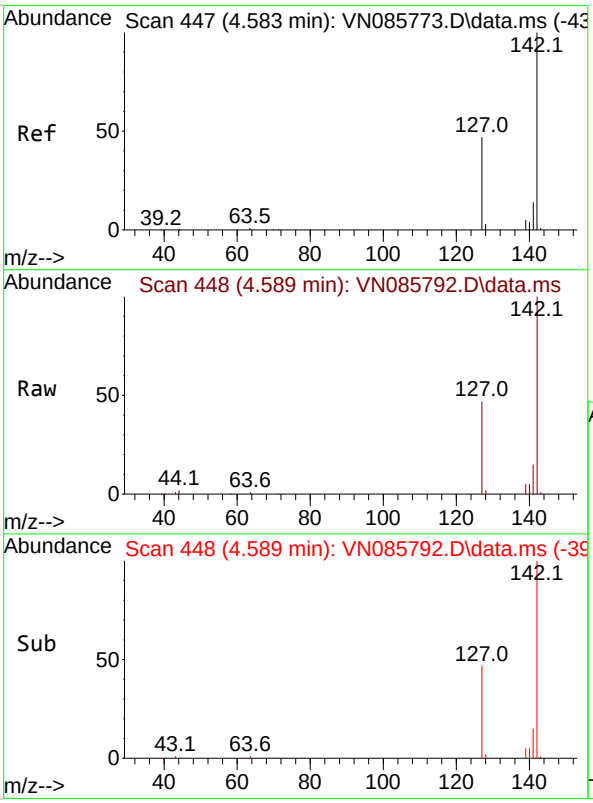
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.637 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 166083

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	76.6	61.4	92.2

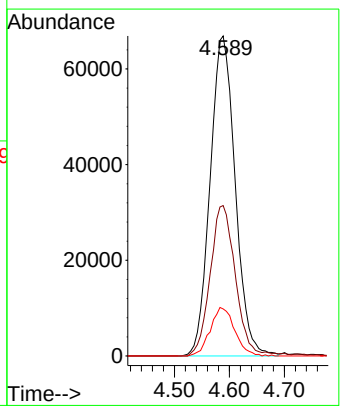


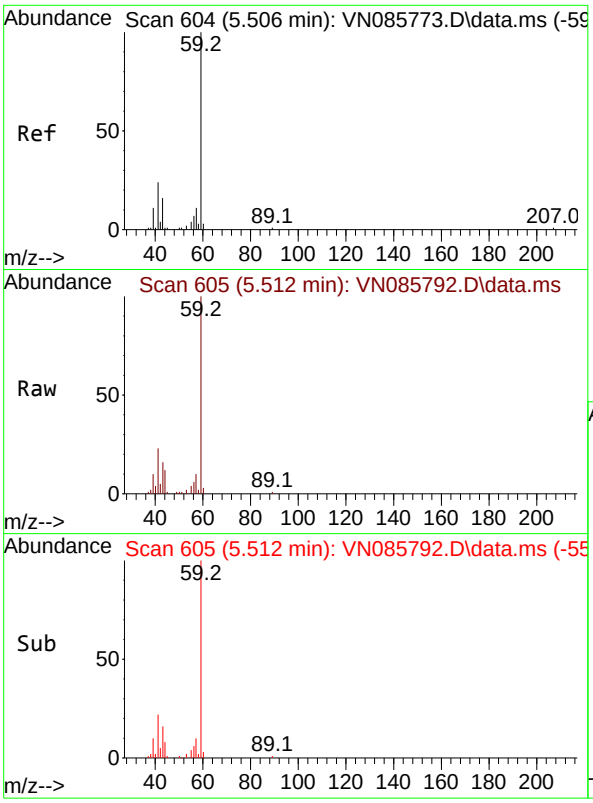


#10
Methyl Iodide
Concen: 45.224 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:142 Resp: 212171

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.6	56.4
141	14.7	11.4	17.2



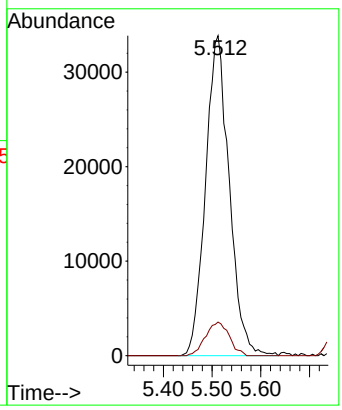


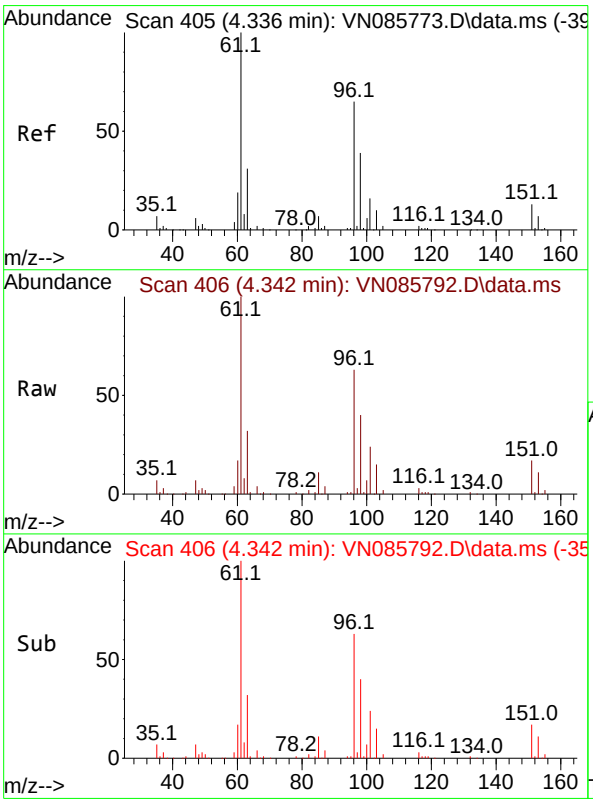
#11
Tert butyl alcohol
Concen: 227.948 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 114382

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

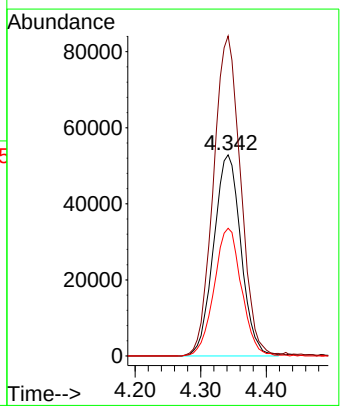


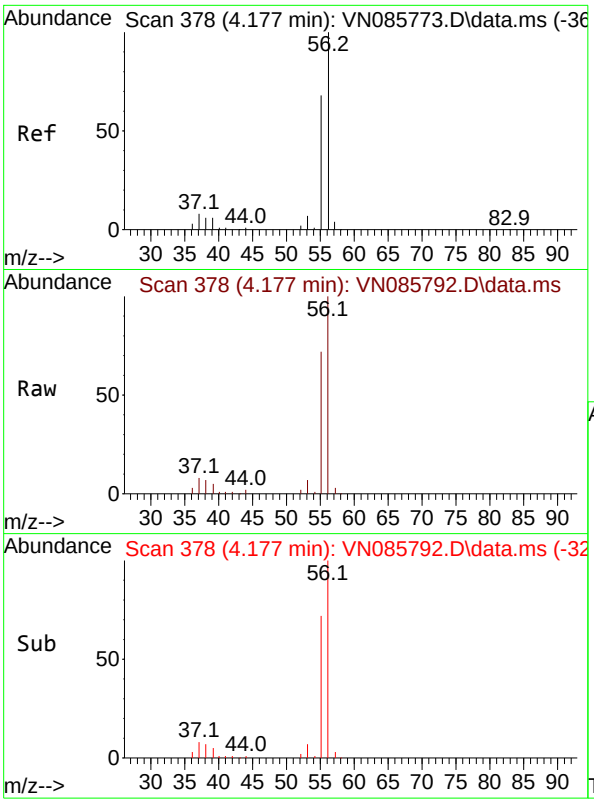


#12
1,1-Dichloroethene
Concen: 44.237 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 96 Resp: 152662

Ion	Ratio	Lower	Upper
96	100		
61	159.1	123.3	184.9
98	63.5	48.6	72.8



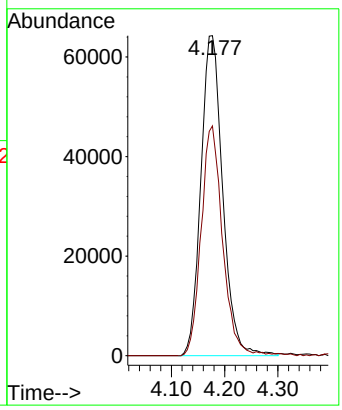


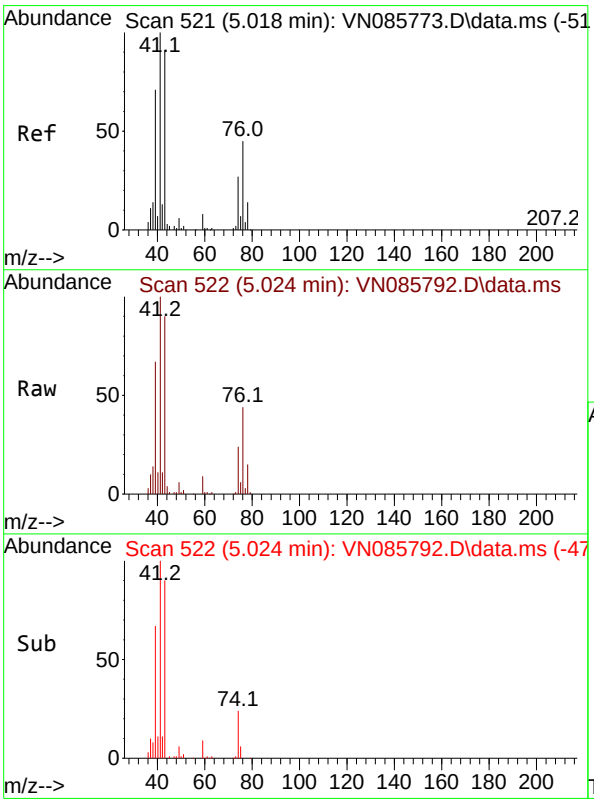
#13
Acrolein
Concen: 246.597 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 183499

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.3	82.9

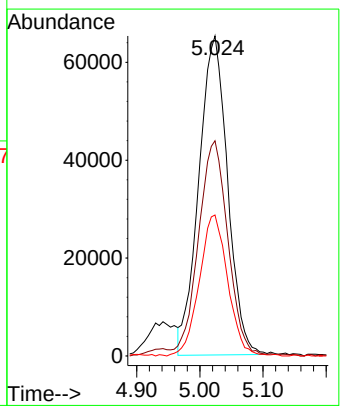


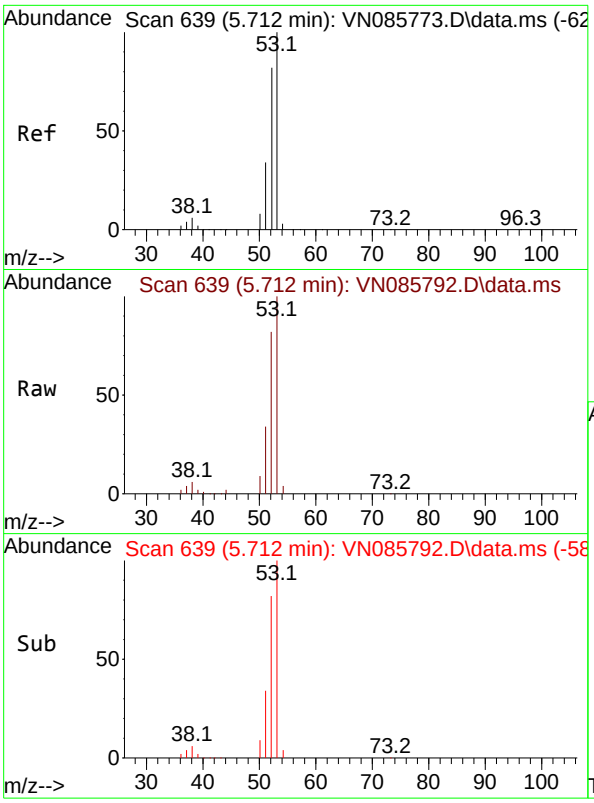


#14
Allyl chloride
Concen: 45.612 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 41 Resp: 206663

Ion	Ratio	Lower	Upper
41	100		
39	68.1	57.4	86.2
76	43.6	36.2	54.2



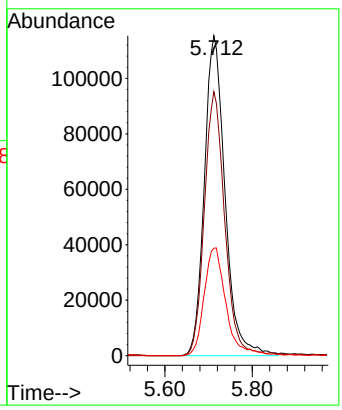


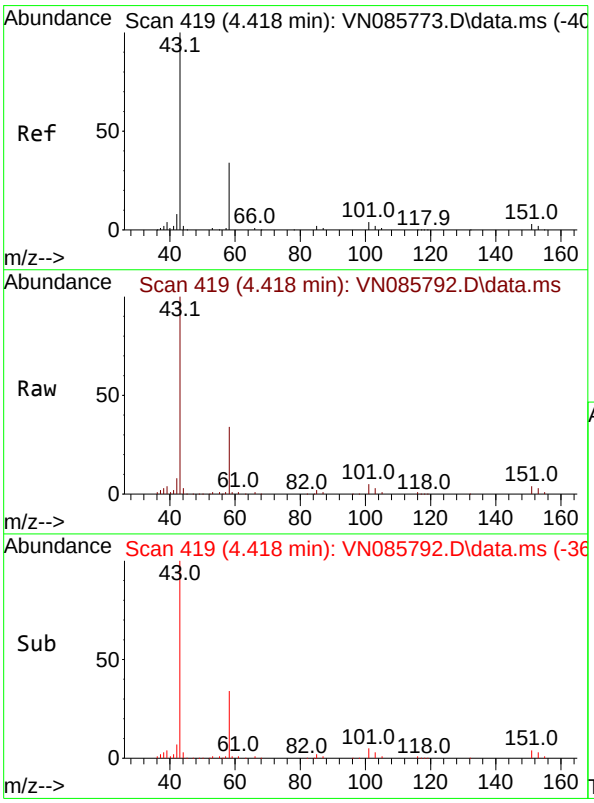
#15
Acrylonitrile
Concen: 232.731 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 379650

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.8	98.6
51	35.4	28.6	42.8

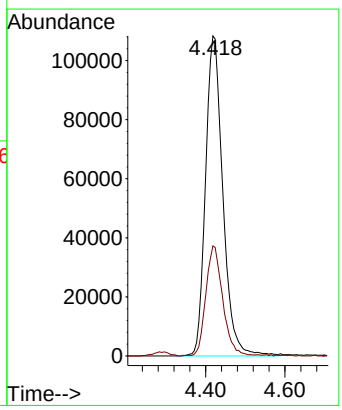


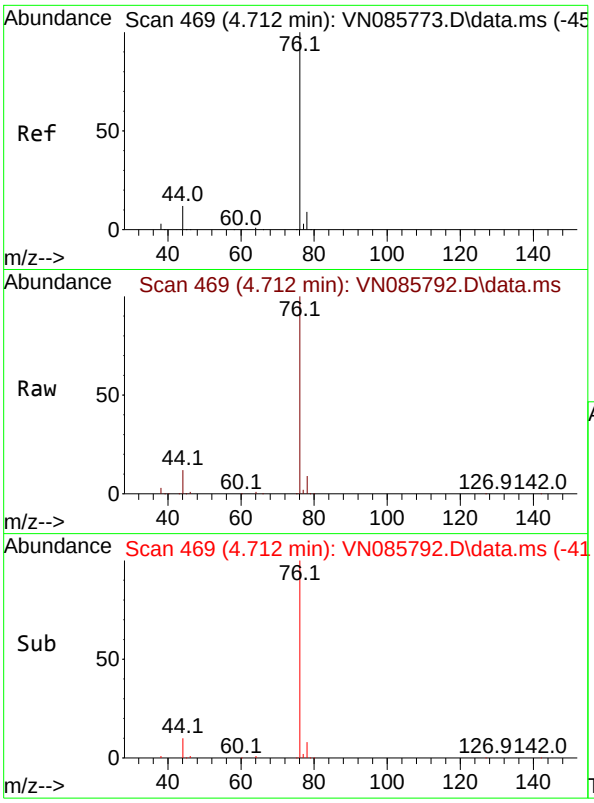


#16
Acetone
Concen: 254.620 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 328698

Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.5	41.3



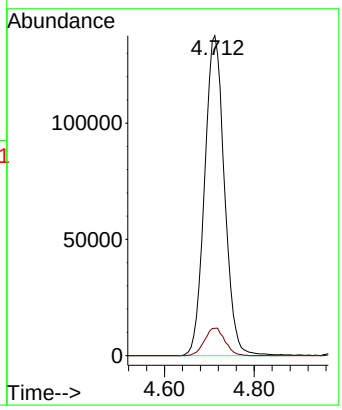


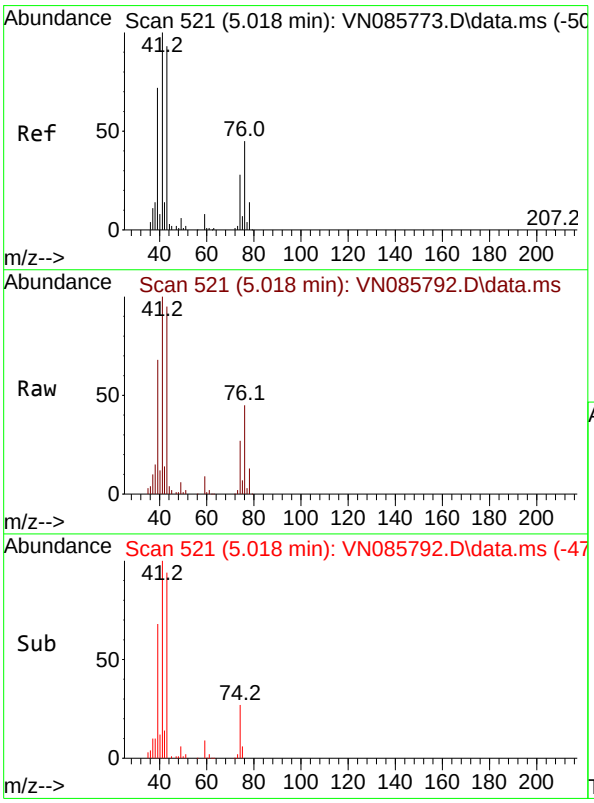
#17
Carbon Disulfide
Concen: 41.341 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 422830

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

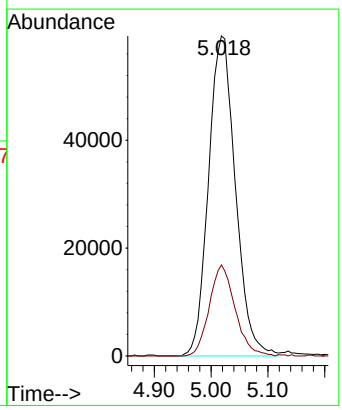


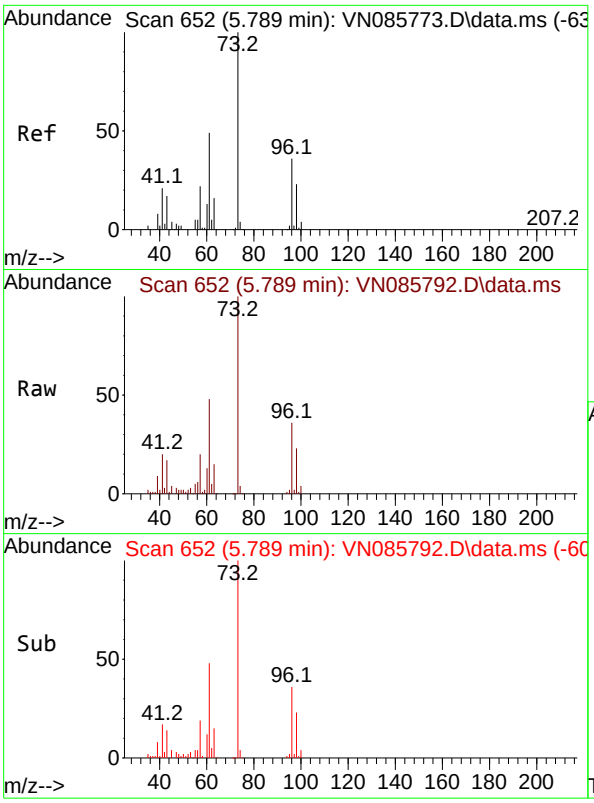


#18
Methyl Acetate
Concen: 43.995 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 195346

Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.2	33.4



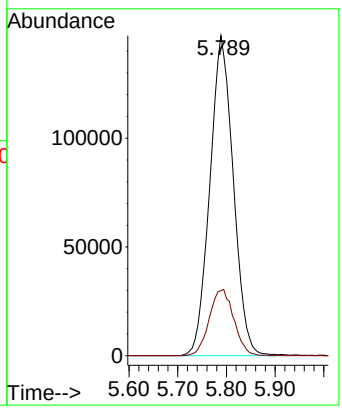


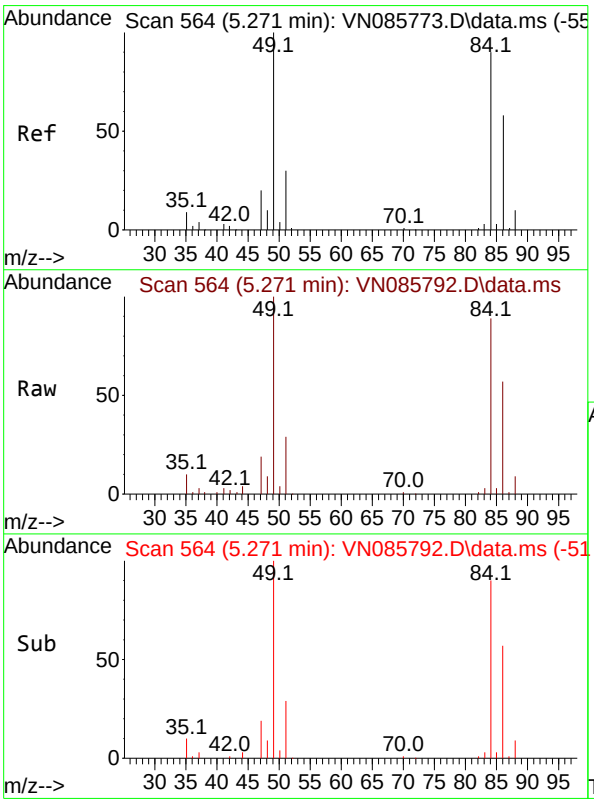
#19
Methyl tert-butyl Ether
Concen: 47.972 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 491948

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.6	26.4

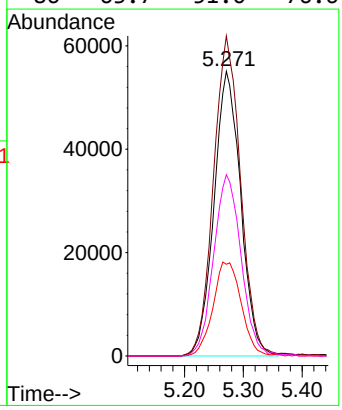


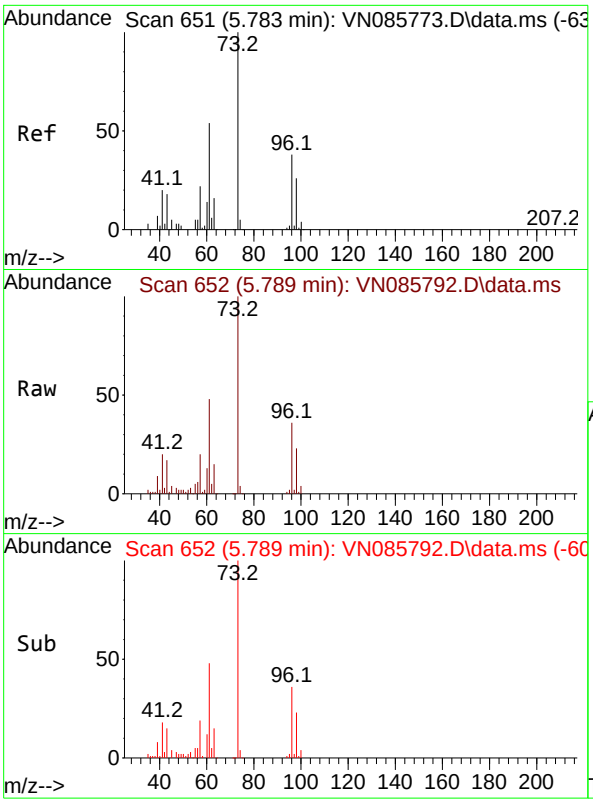


#20
Methylene Chloride
Concen: 41.891 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 84 Resp: 173911

Ion	Ratio	Lower	Upper
84	100		
49	112.4	88.4	132.6
51	32.2	26.6	40.0
86	63.7	51.0	76.6



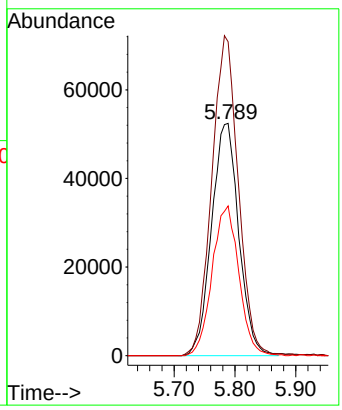


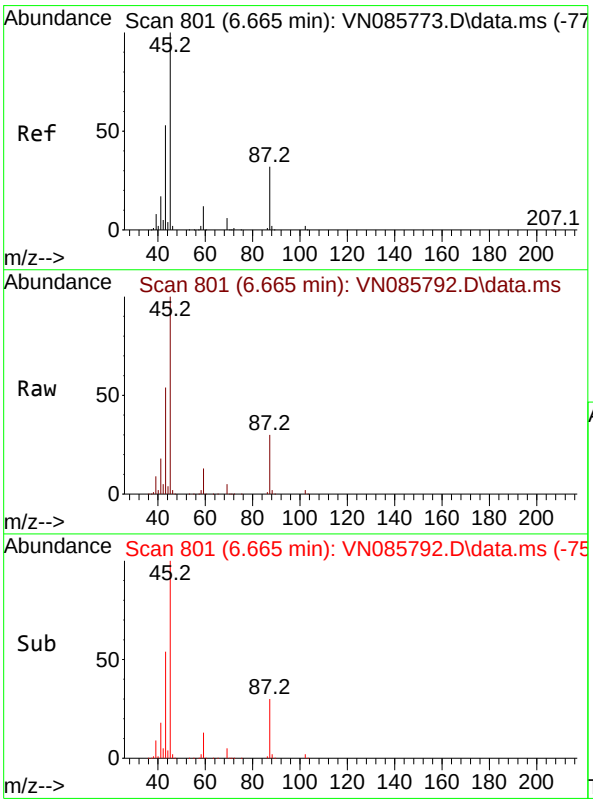
#21
trans-1,2-Dichloroethene
Concen: 43.781 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 162686

Ion	Ratio	Lower	Upper
96	100		
61	135.1	112.6	168.8
98	64.5	53.3	79.9

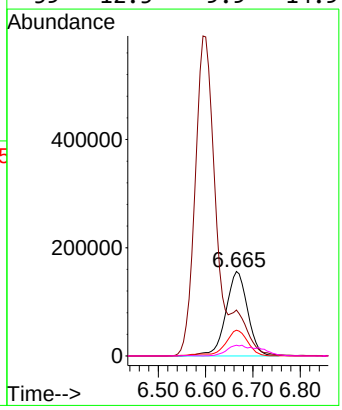


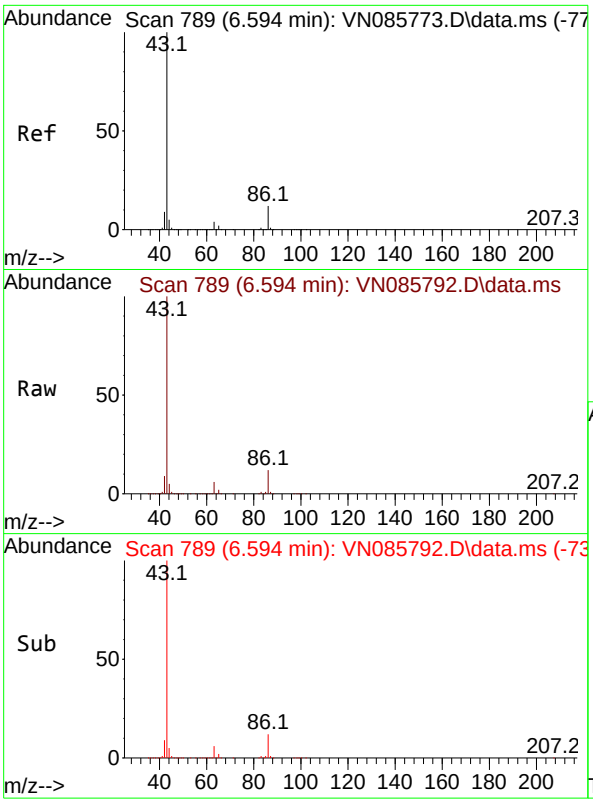


#22
Diisopropyl ether
Concen: 48.571 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 45 Resp: 497270

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.6	64.0
87	30.4	25.8	38.8
59	12.5	9.9	14.9



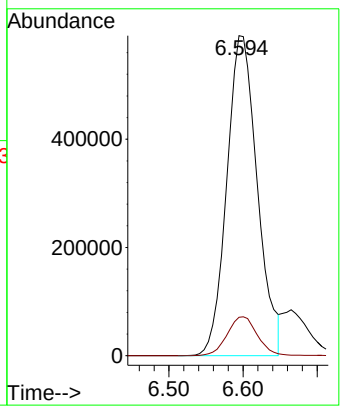


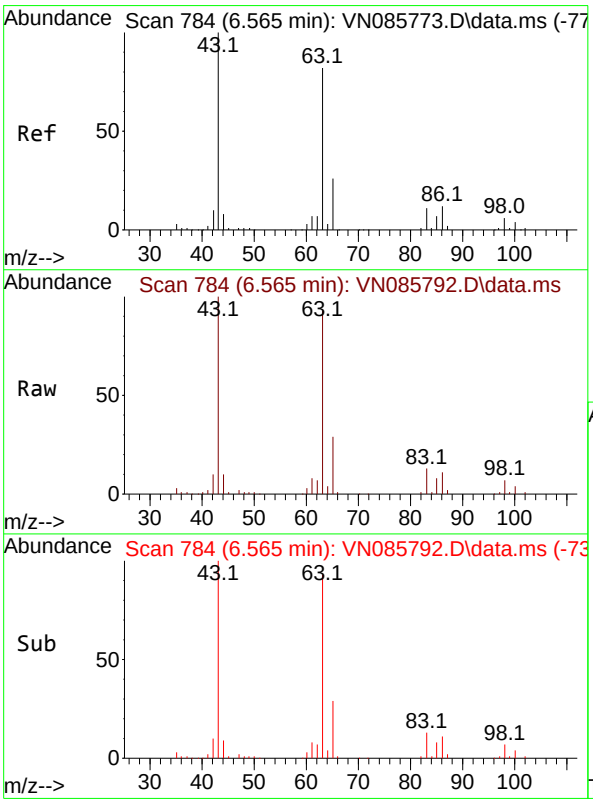
#23
Vinyl Acetate
Concen: 241.583 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1693494

Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.8	14.8

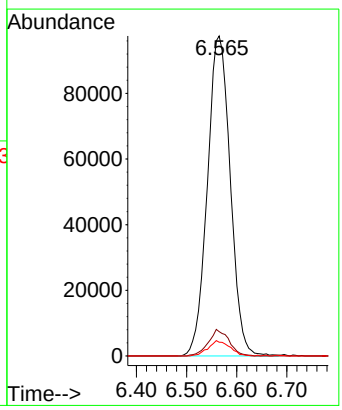


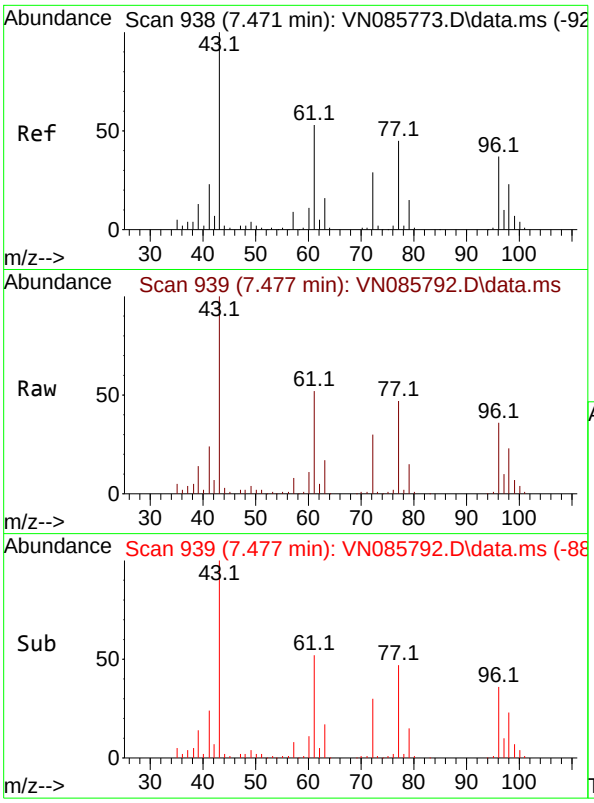


#24
1,1-Dichloroethane
Concen: 44.457 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 63 Resp: 309410

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	4.3	2.4	7.2



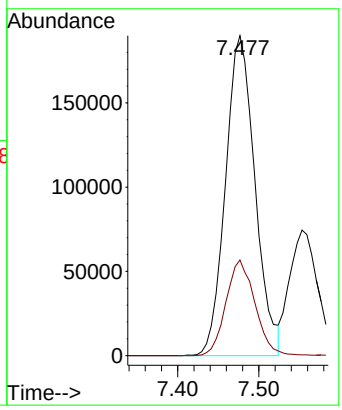


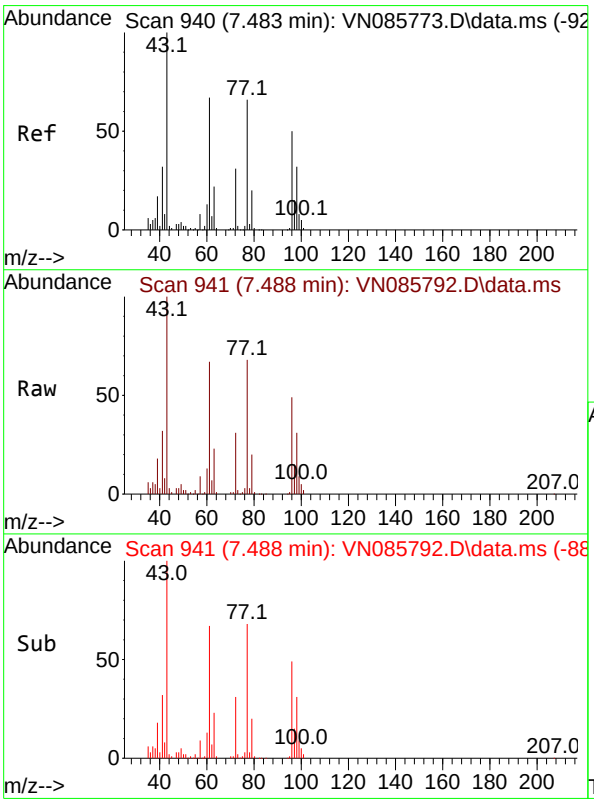
#25
2-Butanone
Concen: 252.924 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 480353

Ion	Ratio	Lower	Upper
43	100		
72	29.9	23.6	35.4

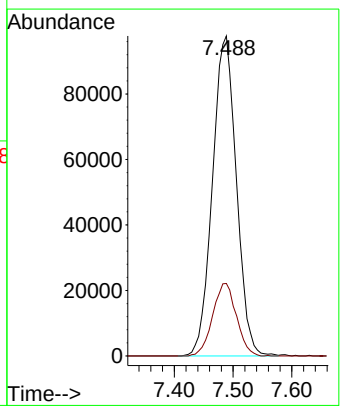


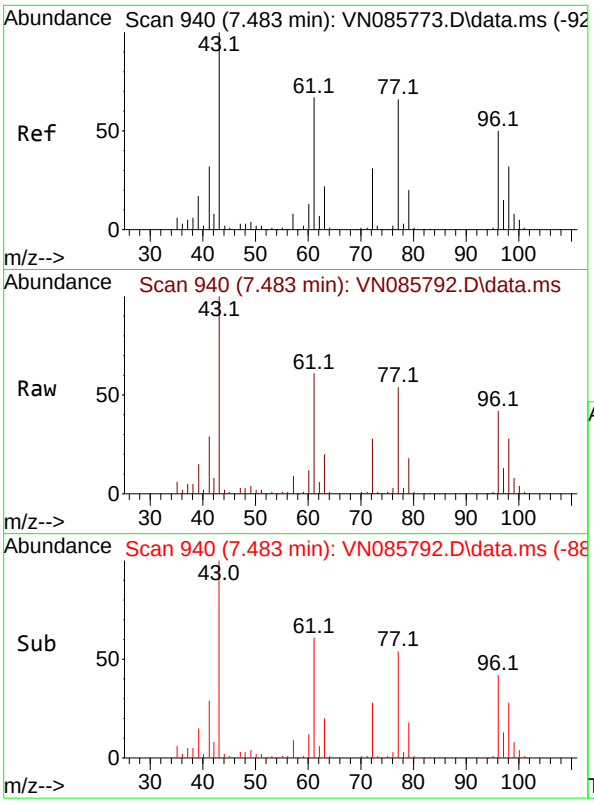


#26
2,2-Dichloropropane
Concen: 44.624 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 77 Resp: 276166

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.3	33.8



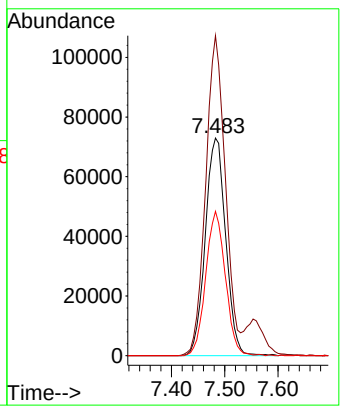


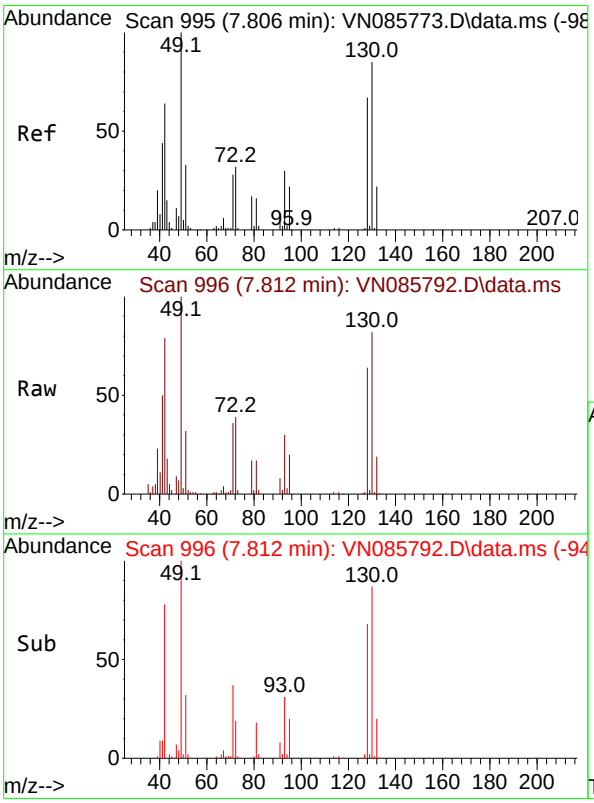
#27
cis-1,2-Dichloroethene
Concen: 45.138 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 194480

Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	280.6
98	63.7	0.0	128.6

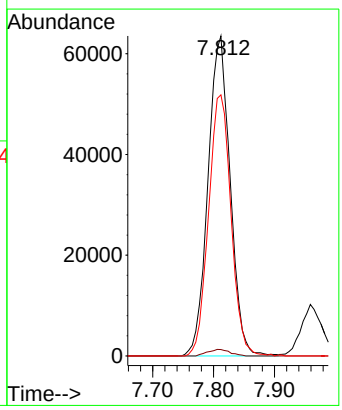


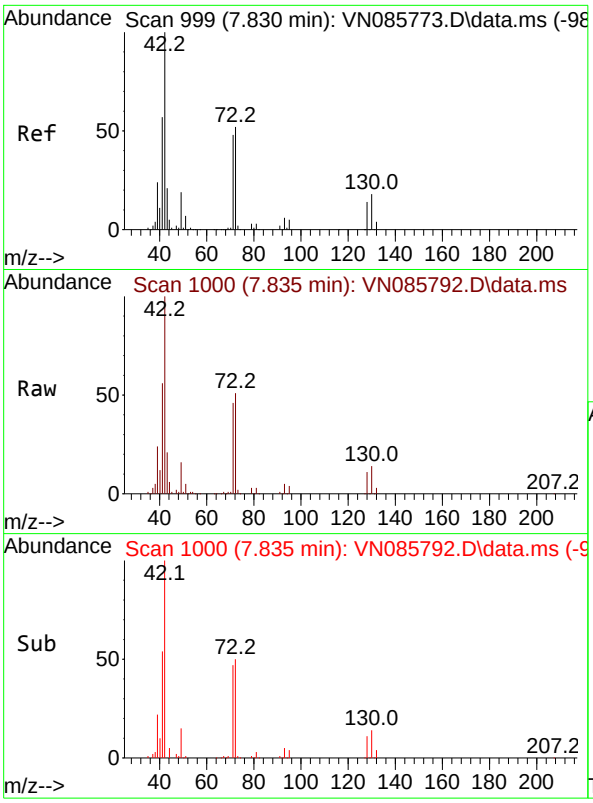


#28
Bromochloromethane
Concen: 56.231 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 49 Resp: 160850

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.6	68.0	102.0



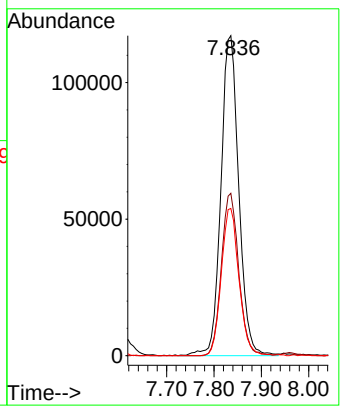


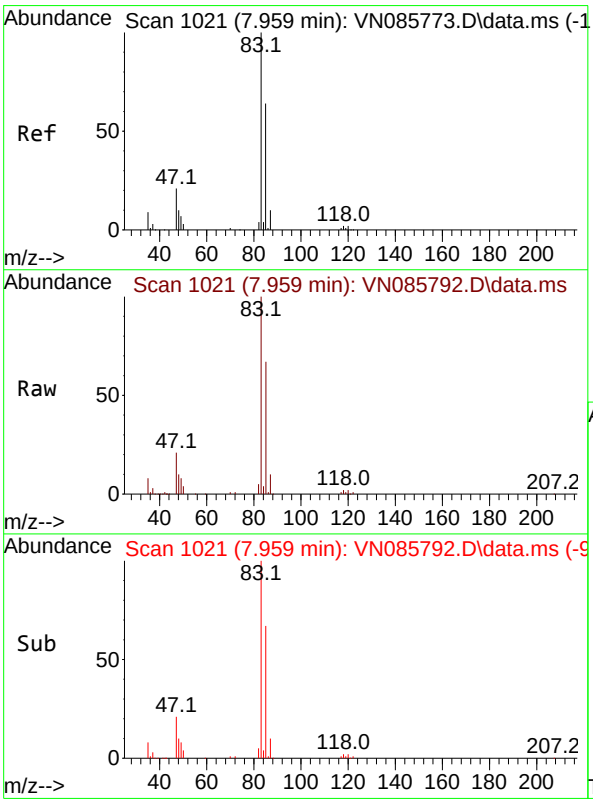
#29
Tetrahydrofuran
Concen: 250.245 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 306901

Ion	Ratio	Lower	Upper
42	100		
72	49.5	40.0	60.0
71	45.5	37.0	55.4

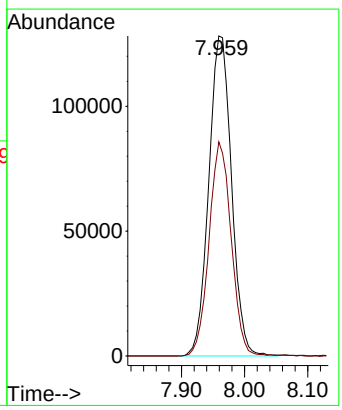


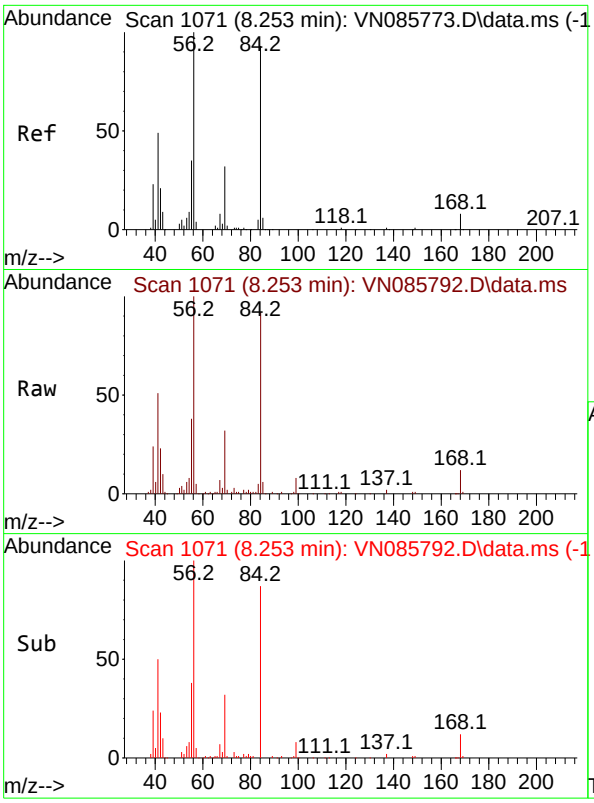


#30
Chloroform
Concen: 44.027 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 83 Resp: 320212

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.9	76.3



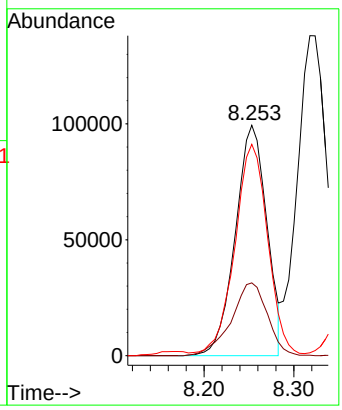


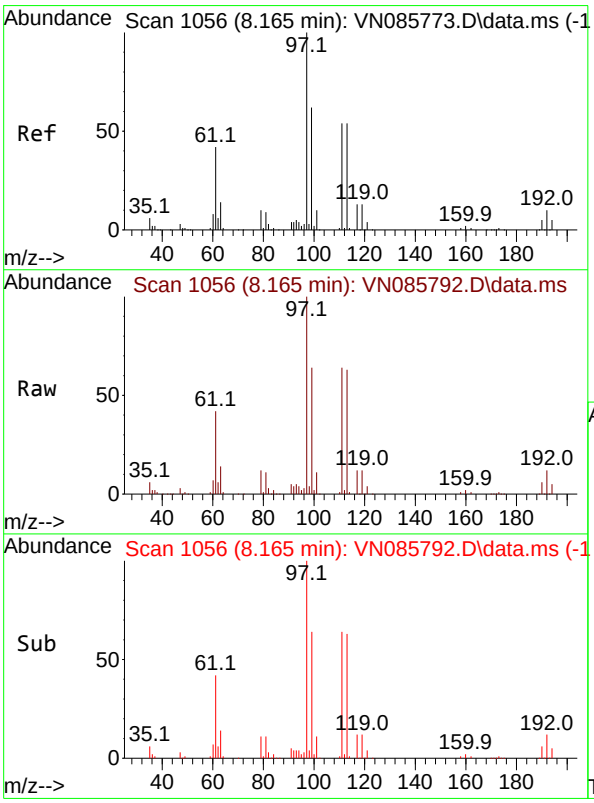
#31
Cyclohexane
Concen: 41.582 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 242308

Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.8	38.6
84	89.9	74.5	111.7

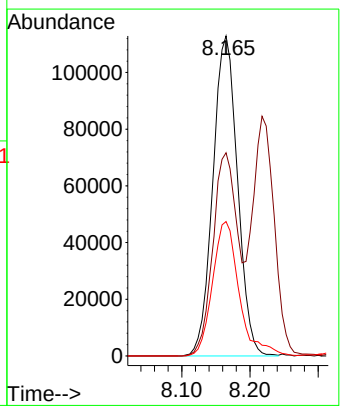


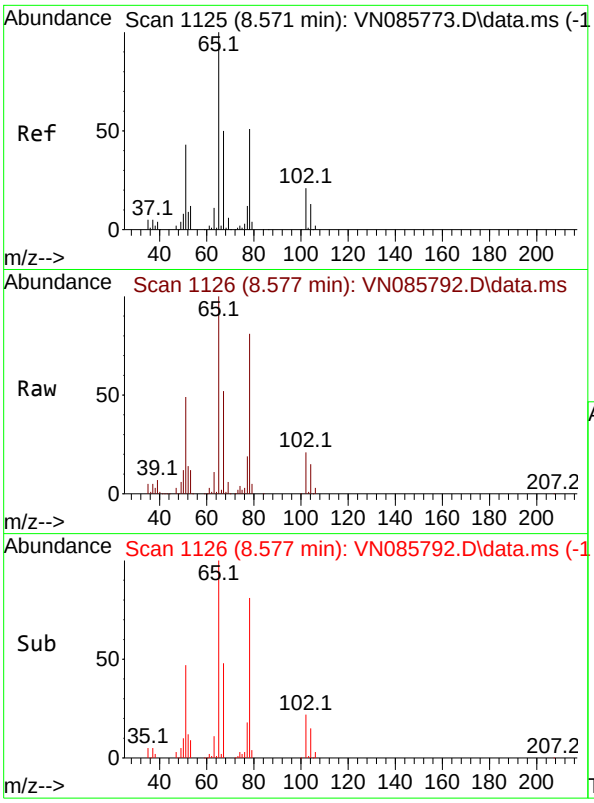


#32
1,1,1-Trichloroethane
Concen: 43.956 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 97 Resp: 284356

Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.4	75.6
61	45.4	35.5	53.3



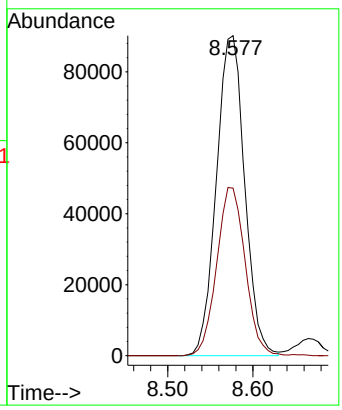


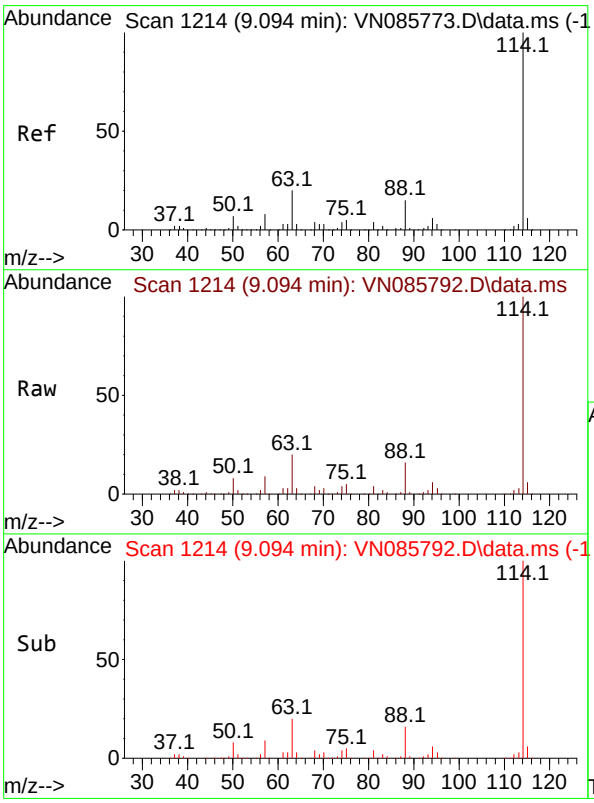
#33
1,2-Dichloroethane-d4
Concen: 51.022 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 208161

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.2

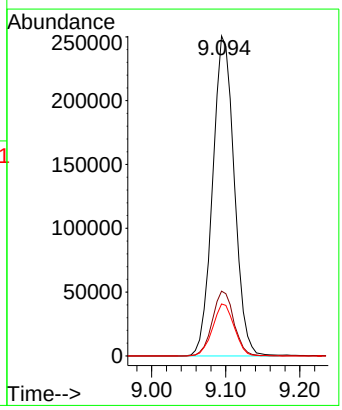


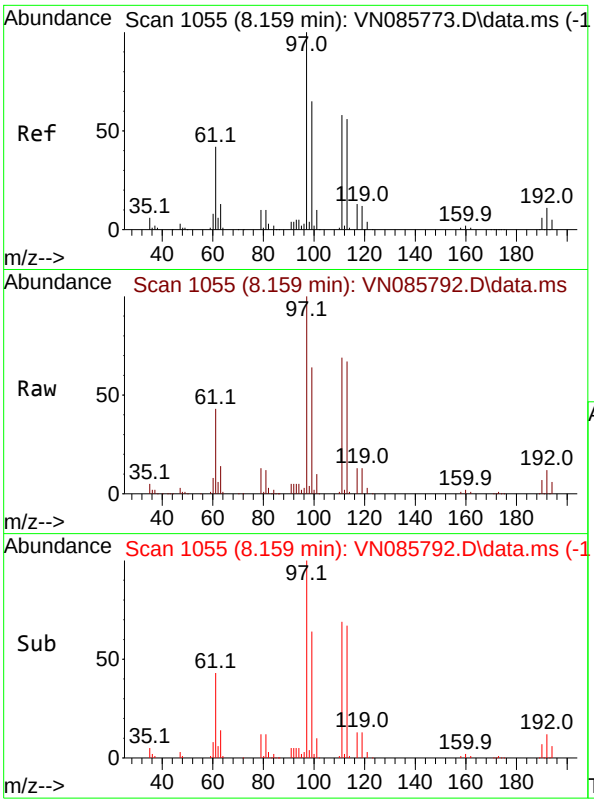


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:114 Resp: 508489

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.2
88	16.3	0.0	30.0



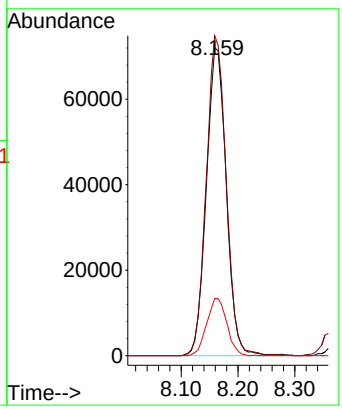


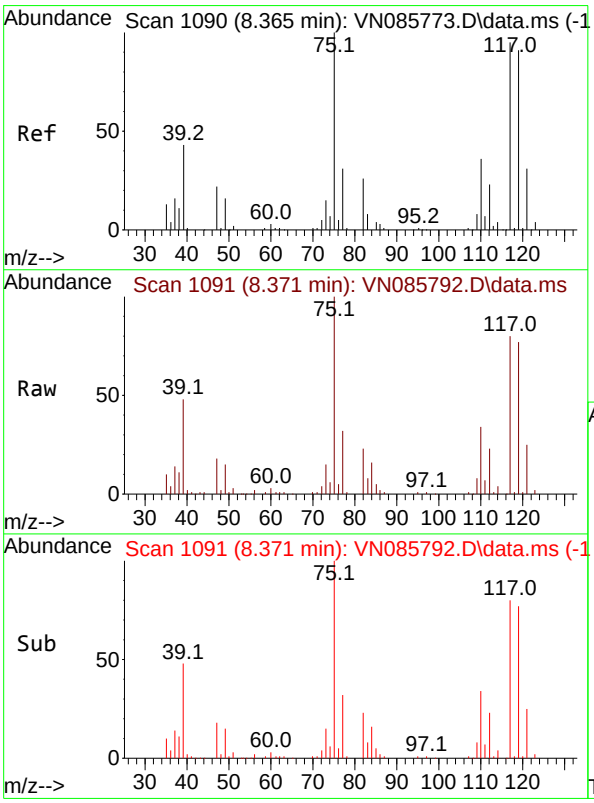
#35
Dibromofluoromethane
Concen: 52.754 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 175528

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	18.7	14.7	22.1

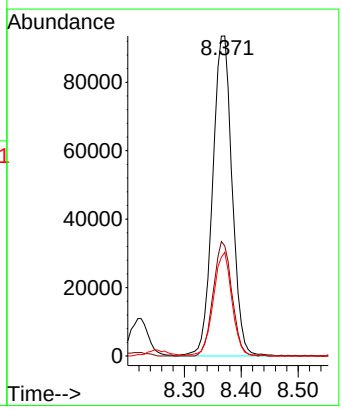


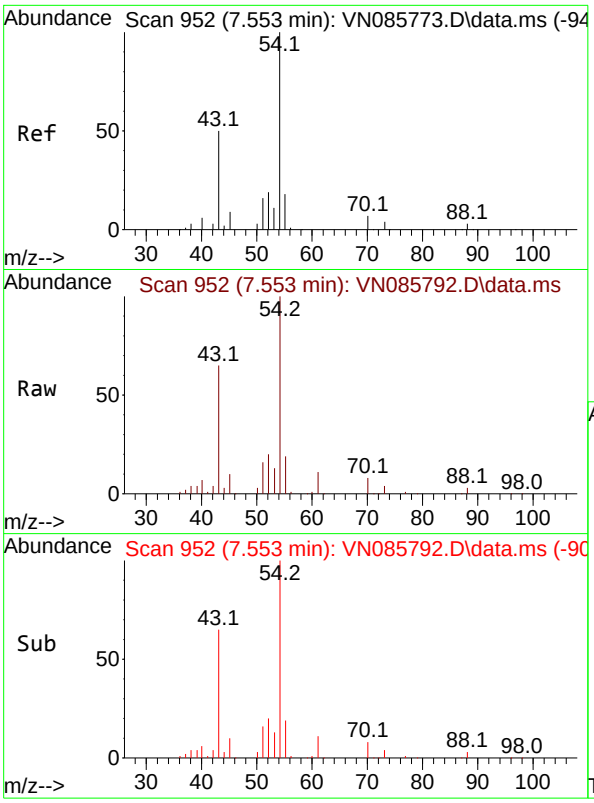


#36
1,1-Dichloropropene
Concen: 47.163 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 222094

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.3	52.0
77	31.0	24.6	37.0



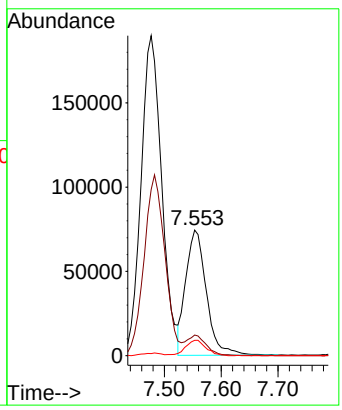


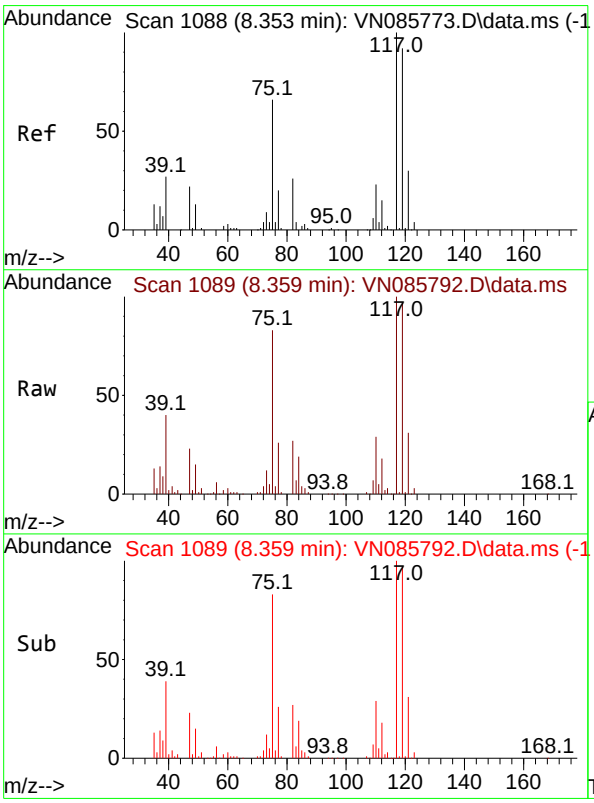
#37
Ethyl Acetate
Concen: 48.325 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 187271

Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	12.1	9.5	14.3

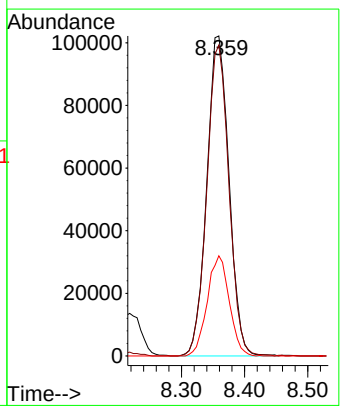


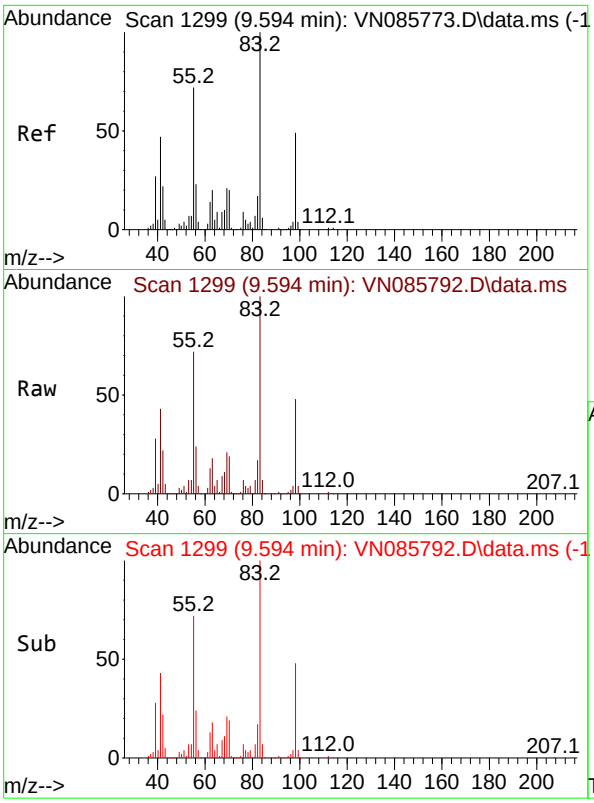


#38
Carbon Tetrachloride
Concen: 44.699 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:117 Resp: 250101

Ion	Ratio	Lower	Upper
117	100		
119	97.2	73.8	110.6
121	31.3	24.3	36.5



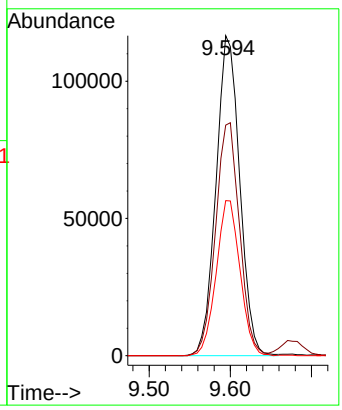


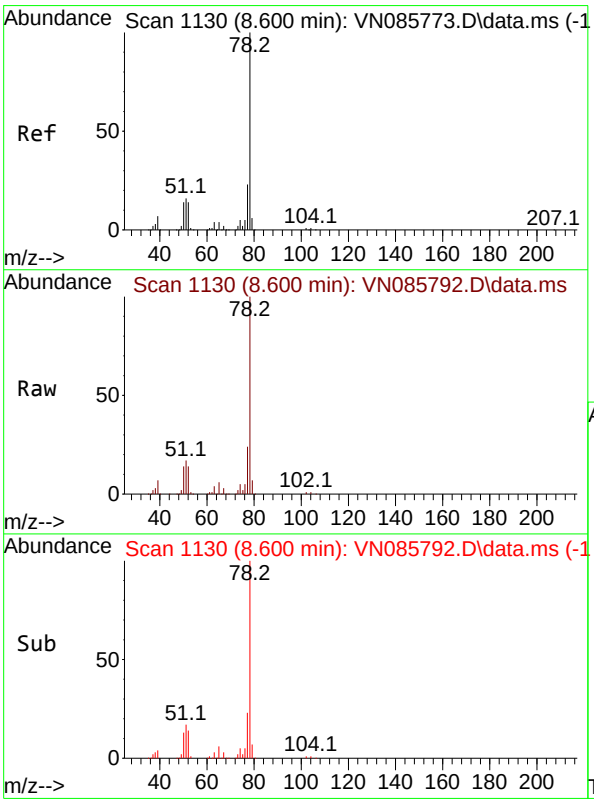
#39
Methylcyclohexane
Concen: 51.193 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 236828

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.5	86.3
98	48.5	39.2	58.8

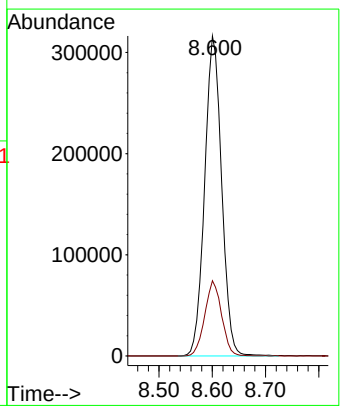


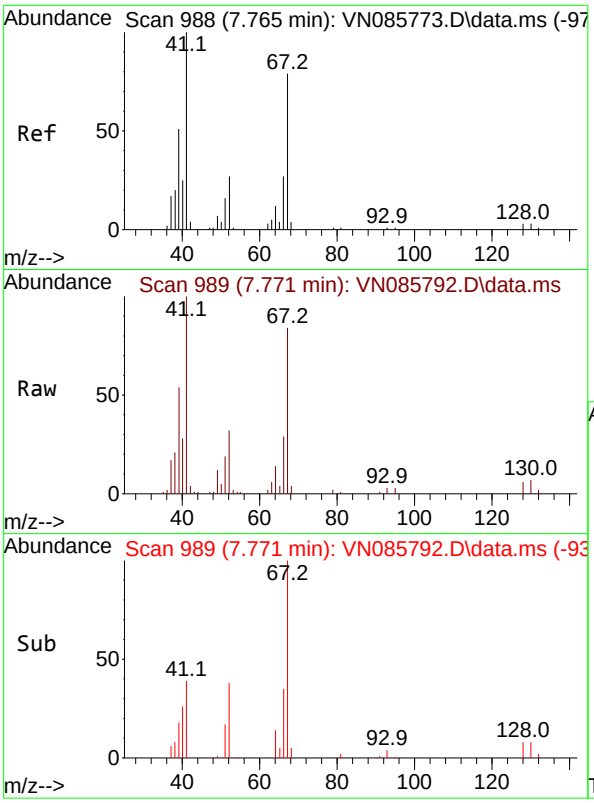


#40
Benzene
Concen: 46.405 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 78 Resp: 700374

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5



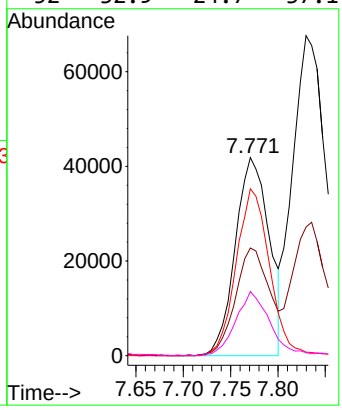


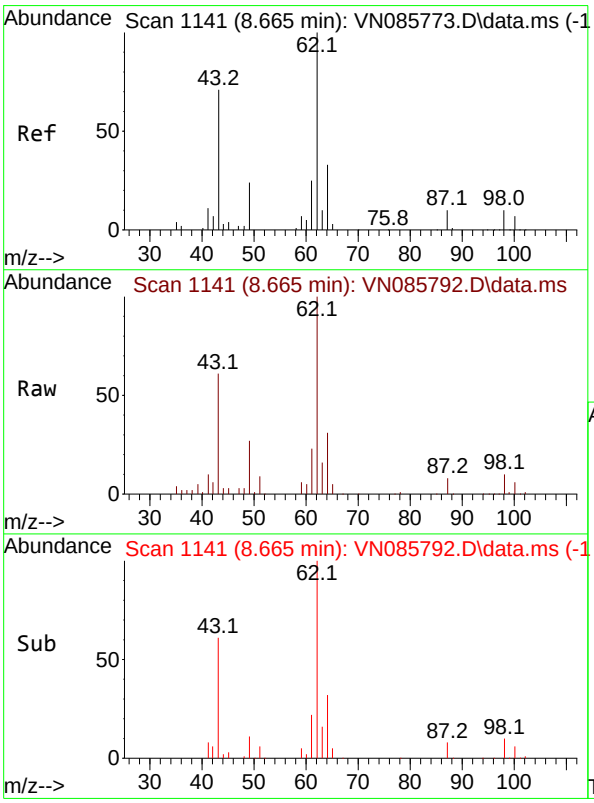
#41
Methacrylonitrile
Concen: 50.427 ug/l
RT: 7.771 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 104465

Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.0	63.0
67	83.3	64.2	96.4
52	32.9	24.7	37.1

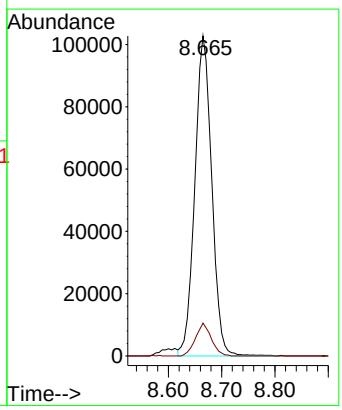


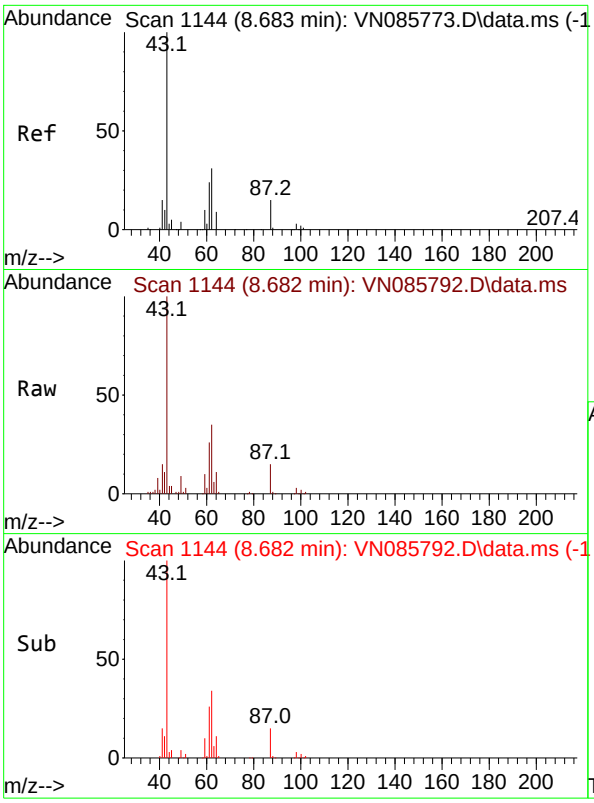


#42
1,2-Dichloroethane
Concen: 46.134 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 62 Resp: 226801

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6



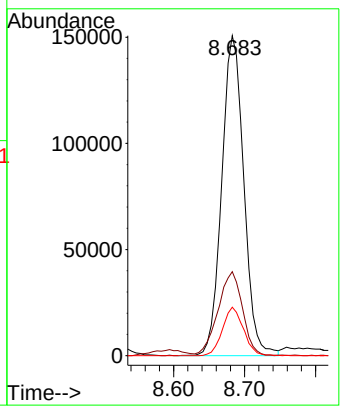


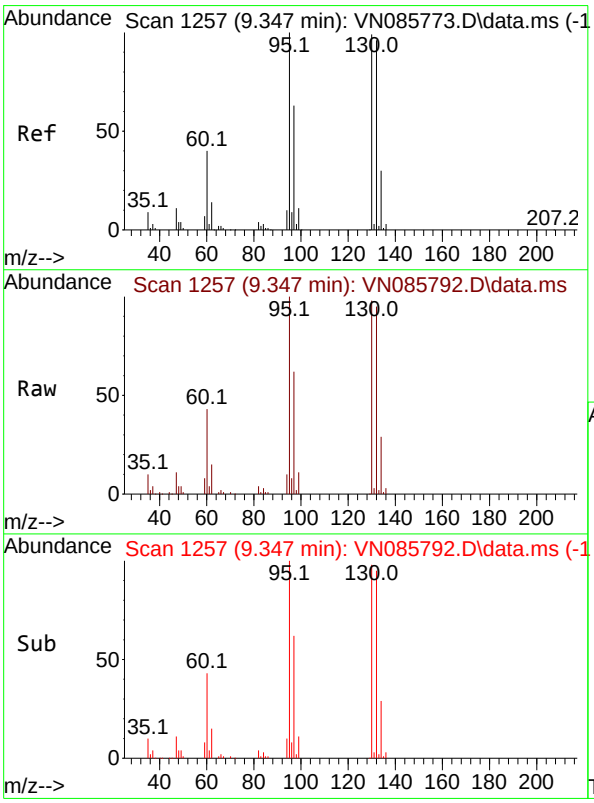
#43
Isopropyl Acetate
Concen: 47.833 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 325471

Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.6	34.0
87	14.4	11.8	17.8

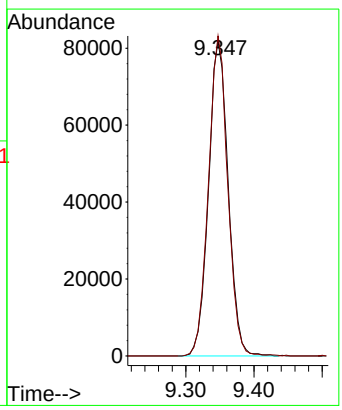


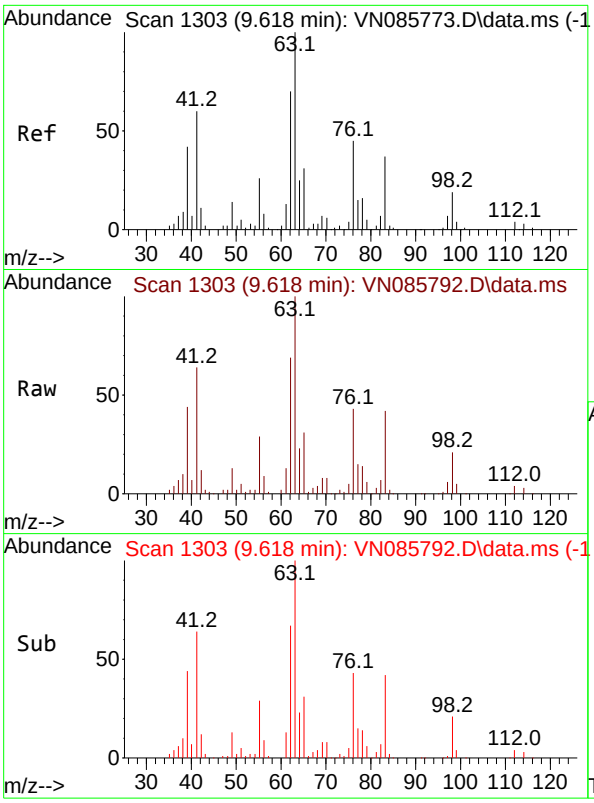


#44
Trichloroethene
Concen: 44.375 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:130 Resp: 164443

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	202.6



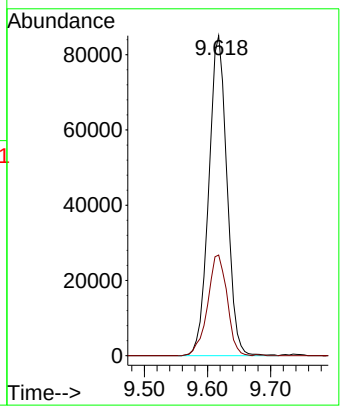


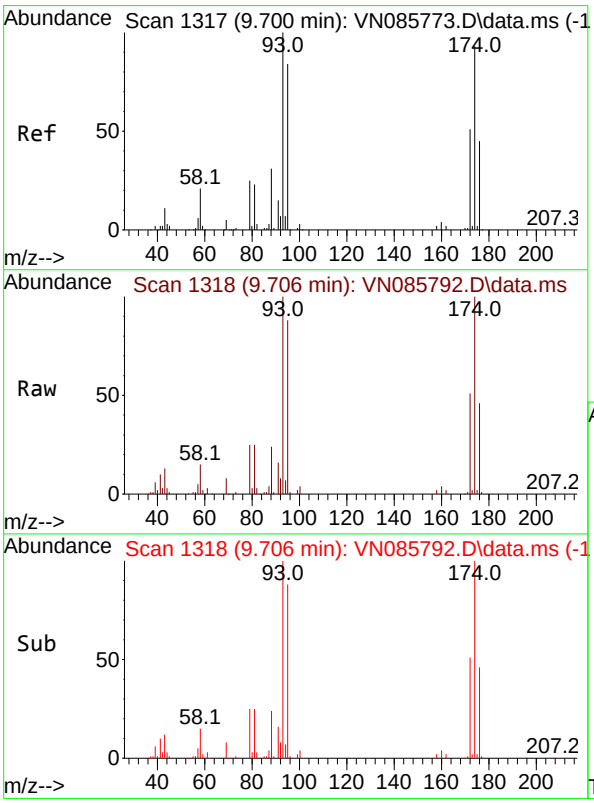
#45
1,2-Dichloropropane
Concen: 46.667 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 170014

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.1	37.7

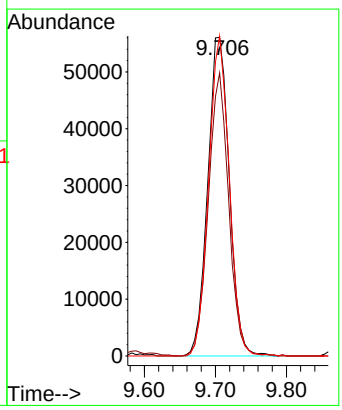


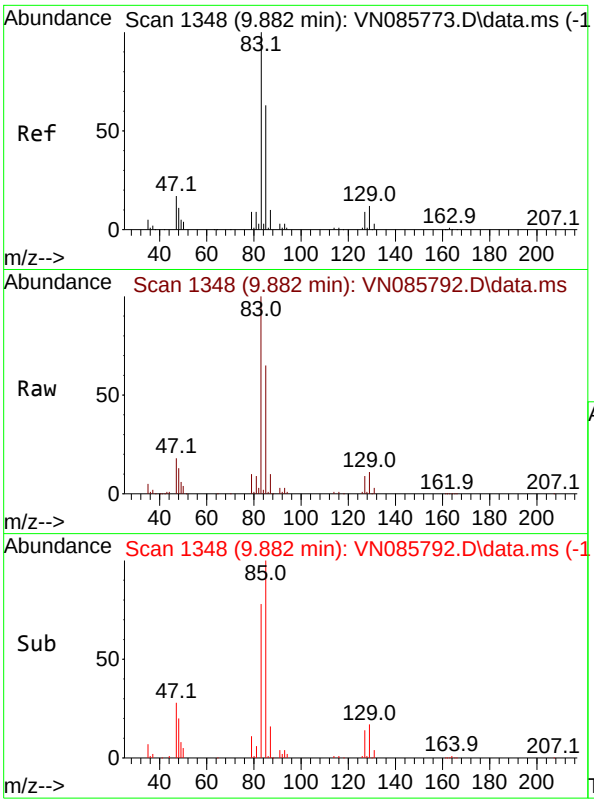


#46
Dibromomethane
Concen: 45.979 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 93 Resp: 118154

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.7	100.1
174	95.8	77.2	115.8



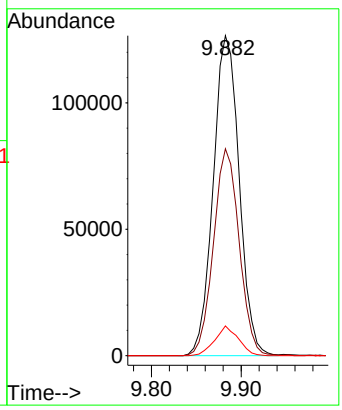


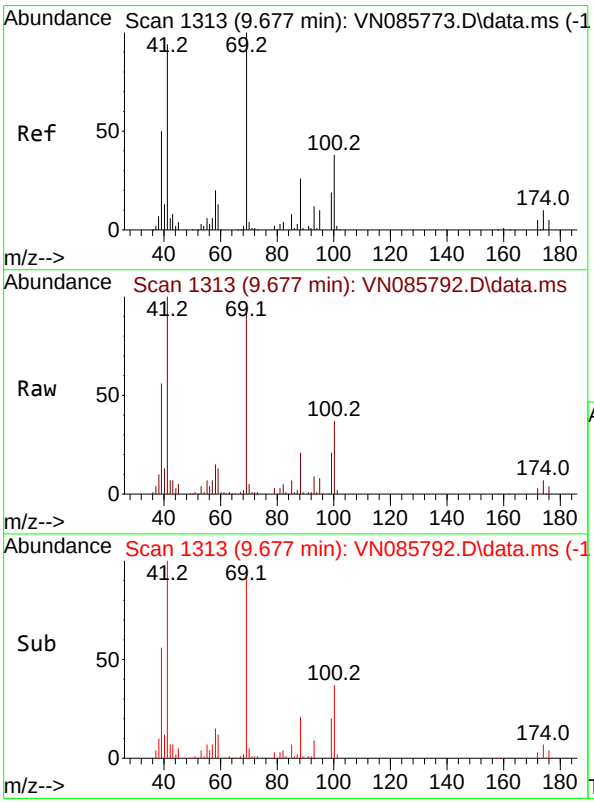
#47
Bromodichloromethane
Concen: 46.221 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 254115

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.5	75.7
127	9.3	7.2	10.8

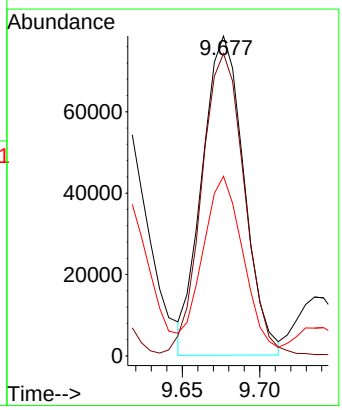


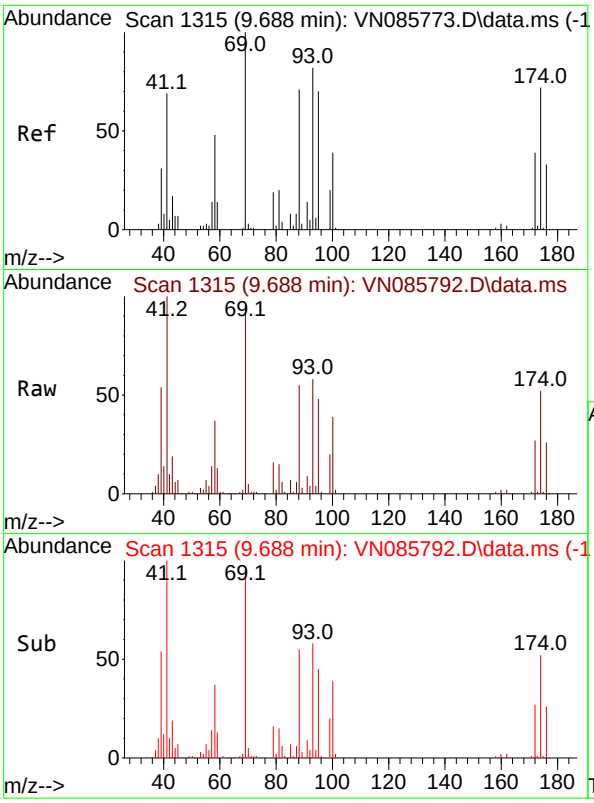


#48
Methyl methacrylate
Concen: 51.177 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 41 Resp: 147289

Ion	Ratio	Lower	Upper
41	100		
69	97.8	76.0	114.0
39	55.4	42.3	63.5



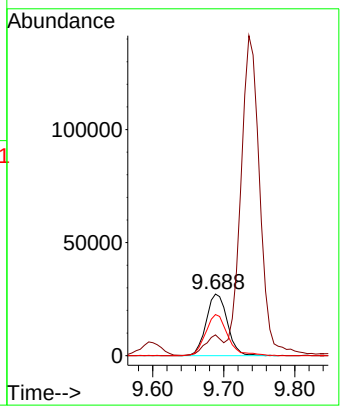


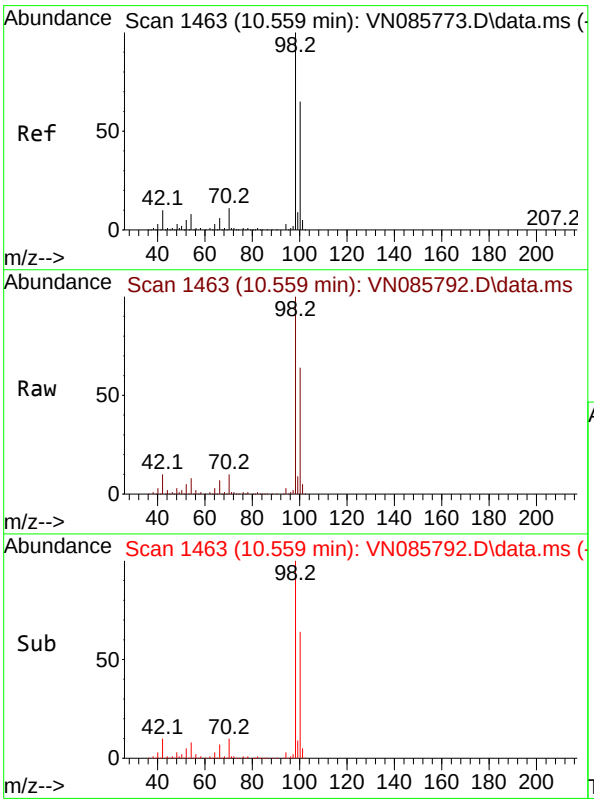
#49
1,4-Dioxane
Concen: 1029.861 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 56363

Ion	Ratio	Lower	Upper
88	100		
43	26.6	18.6	27.8
58	70.3	56.7	85.1

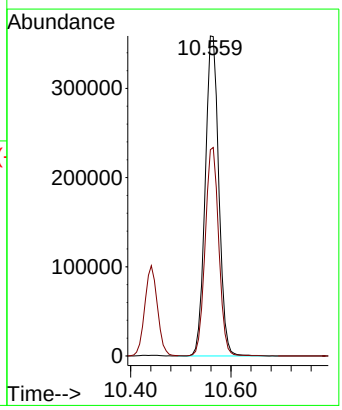


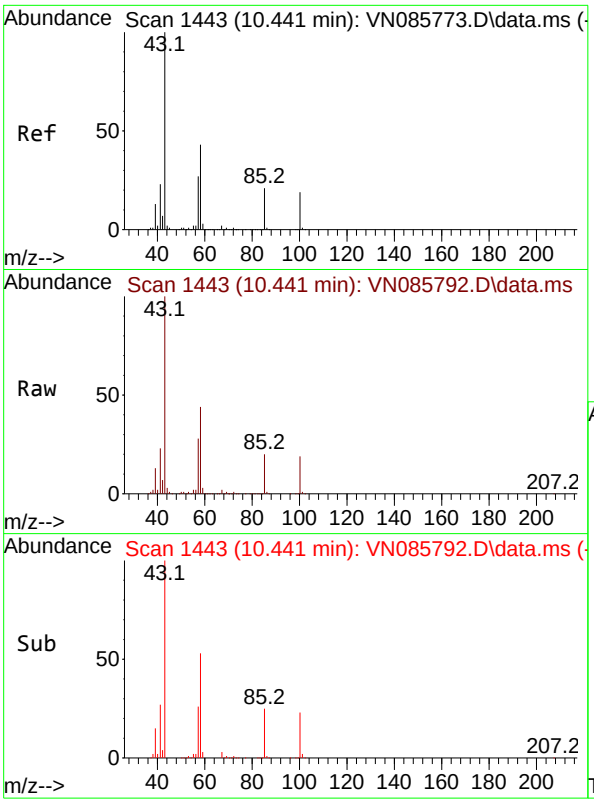


#50
Toluene-d8
Concen: 55.694 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 98 Resp: 674218

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1



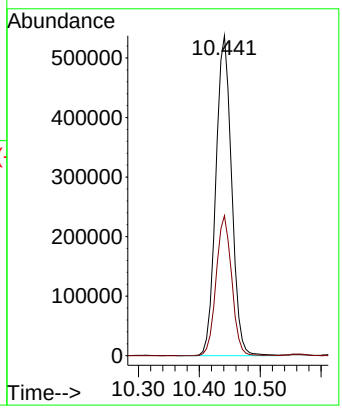


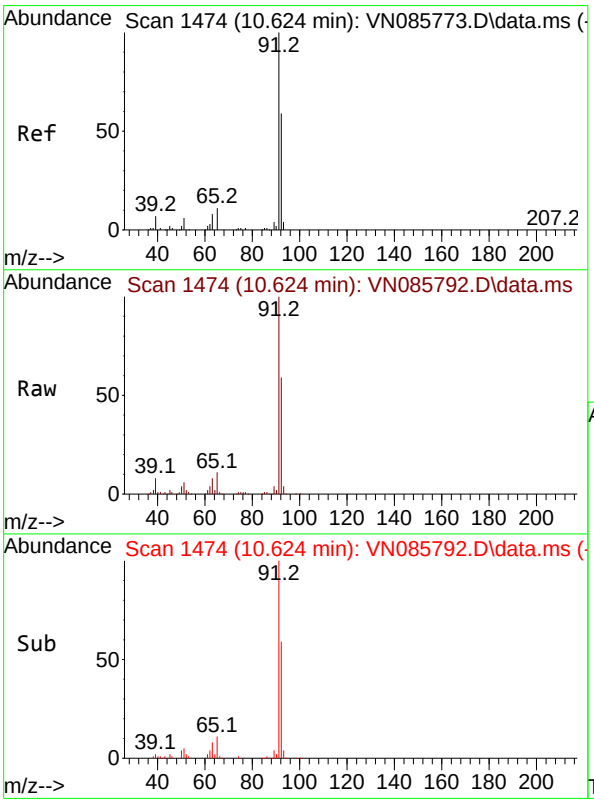
#51
4-Methyl-2-Pentanone
Concen: 258.644 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 966366

Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.6	52.0

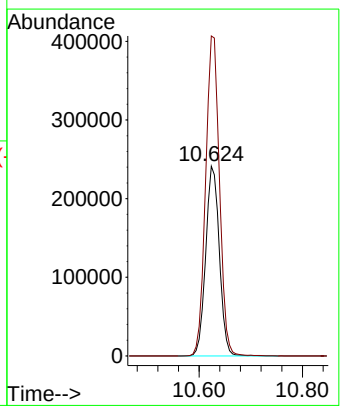


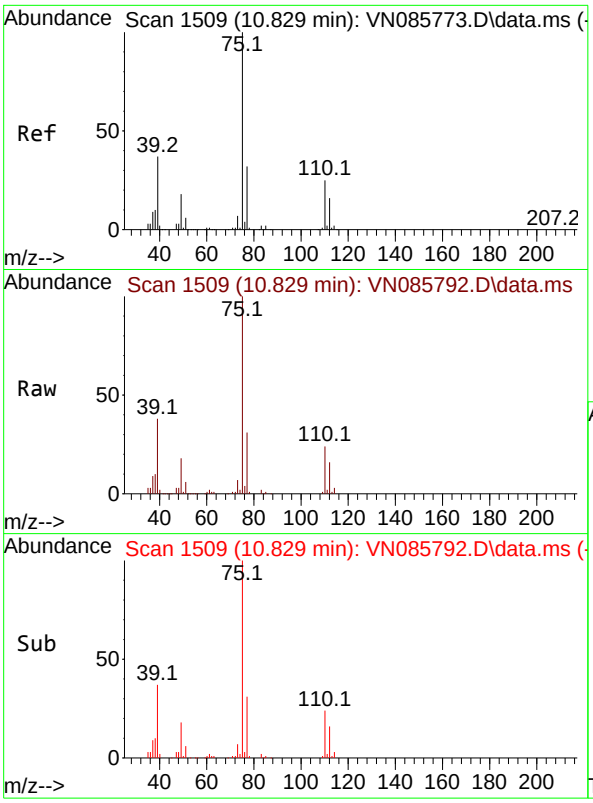


#52
Toluene
Concen: 49.882 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 92 Resp: 441319

Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.9	205.3



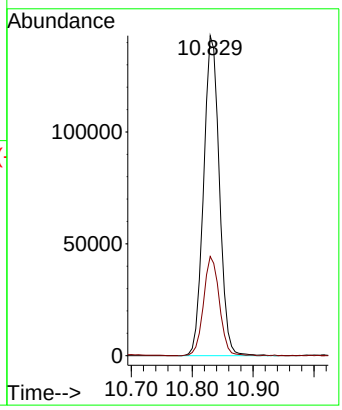


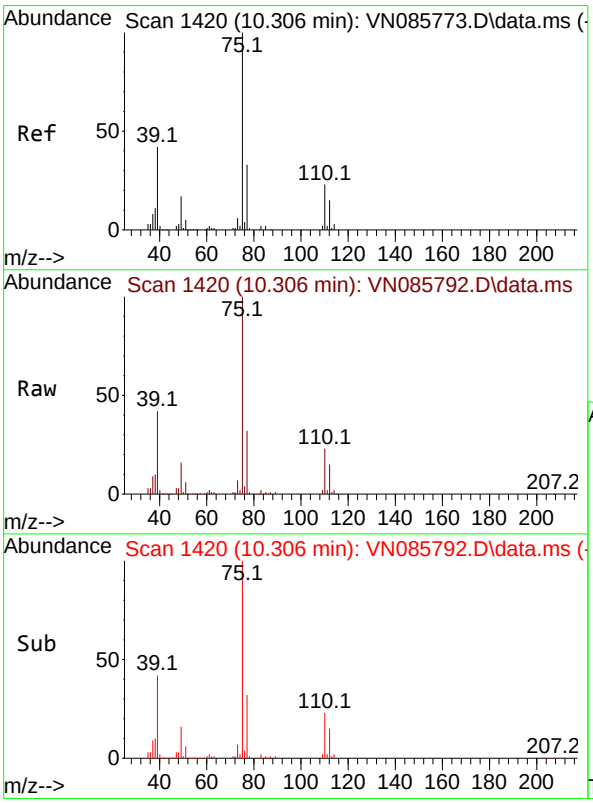
#53
t-1,3-Dichloropropene
Concen: 50.474 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 256600

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0

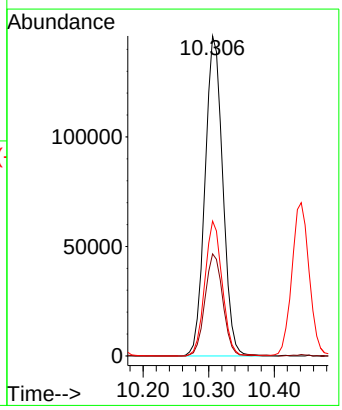


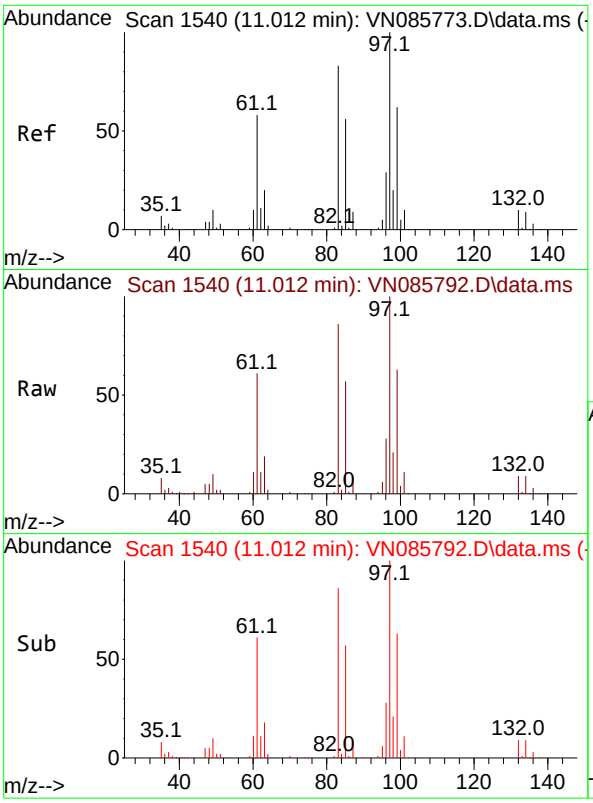


#54
cis-1,3-Dichloropropene
Concen: 49.435 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 275582

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.1	39.1
39	42.2	33.4	50.0



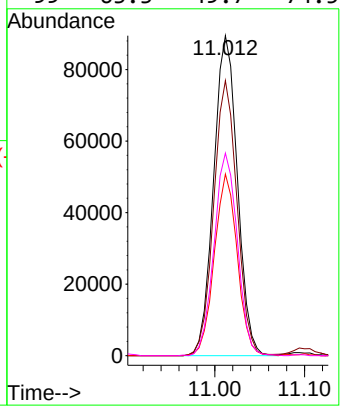


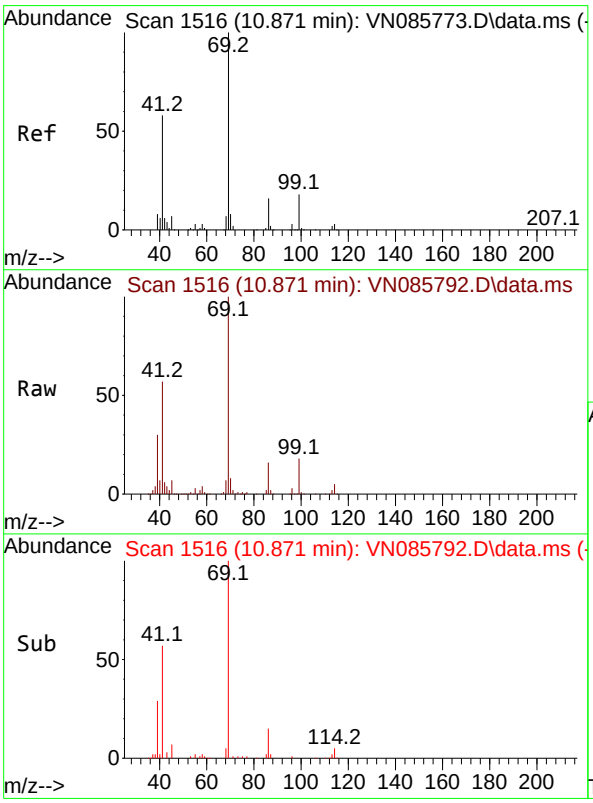
#55
1,1,2-Trichloroethane
Concen: 46.742 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 164418

Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.1	99.1
85	56.8	44.7	67.1
99	63.3	49.7	74.5

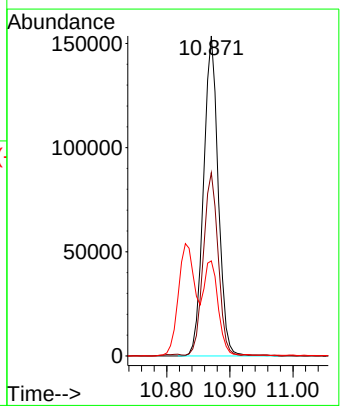


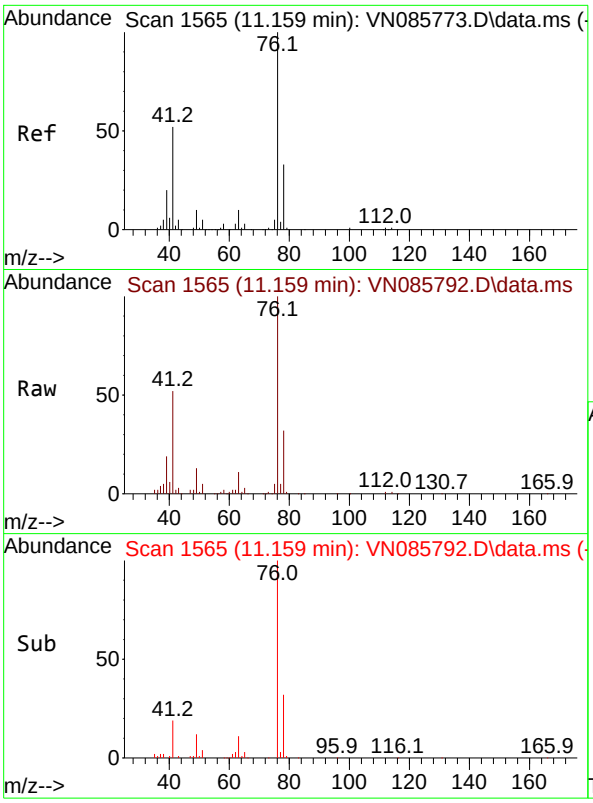


#56
Ethyl methacrylate
Concen: 49.269 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 69 Resp: 248737

Ion	Ratio	Lower	Upper
69	100		
41	57.4	46.0	69.0
39	28.6	22.0	33.0



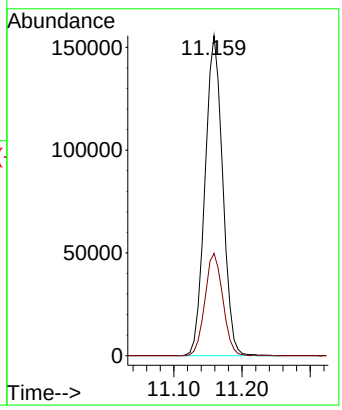


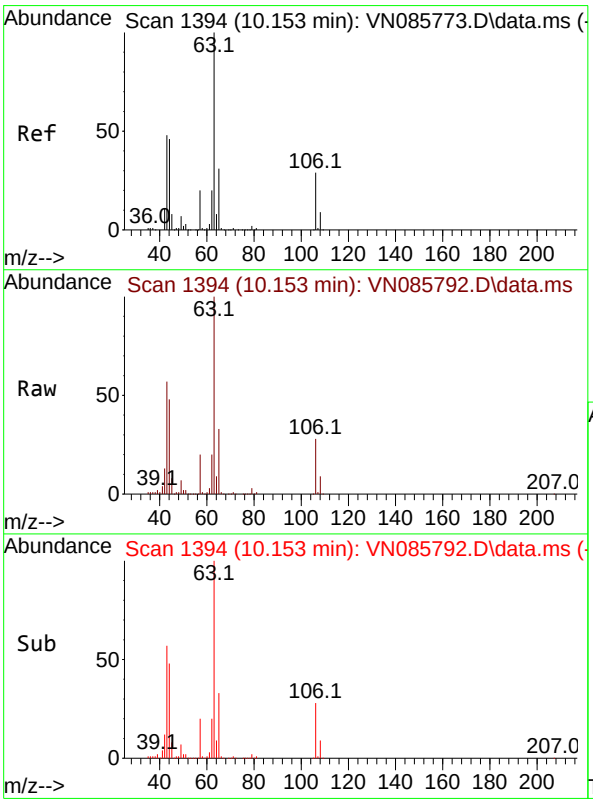
#57
1,3-Dichloropropane
Concen: 47.815 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 280770

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

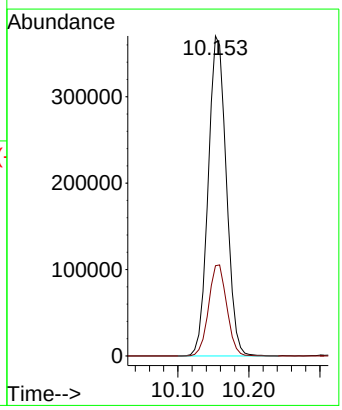


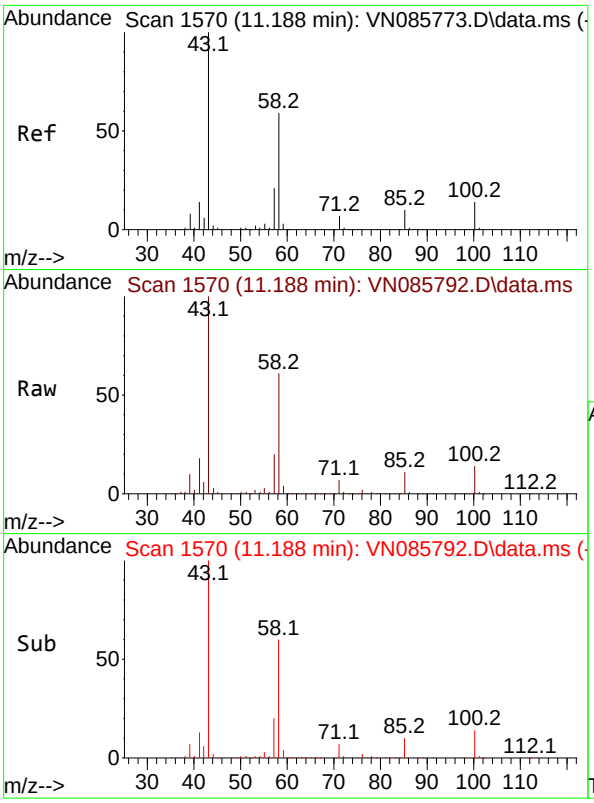


#58
2-Chloroethyl Vinyl ether
Concen: 308.192 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 63 Resp: 655472

Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.7	34.1



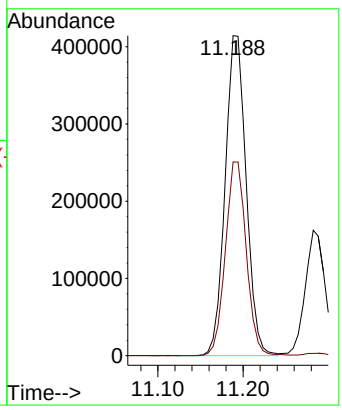


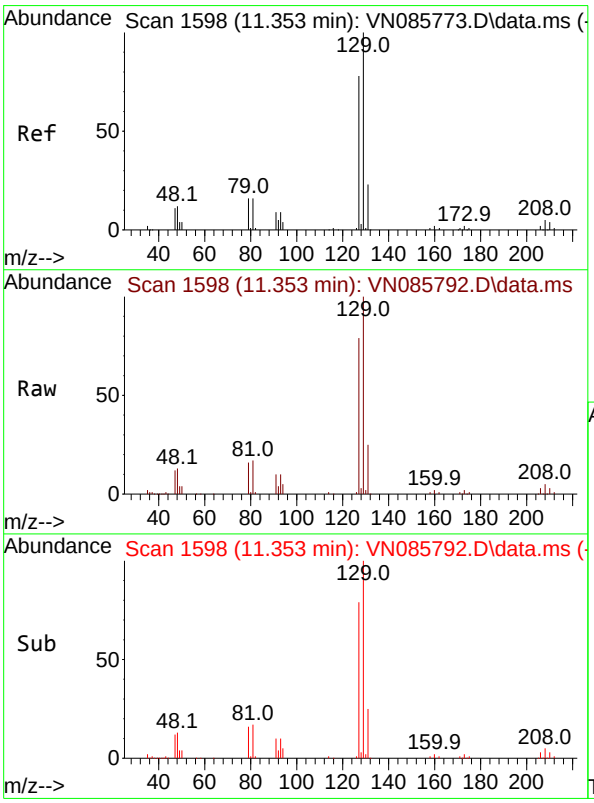
#59
2-Hexanone
Concen: 276.471 ug/l
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 710628

Ion	Ratio	Lower	Upper
43	100		
58	60.2	29.8	89.5

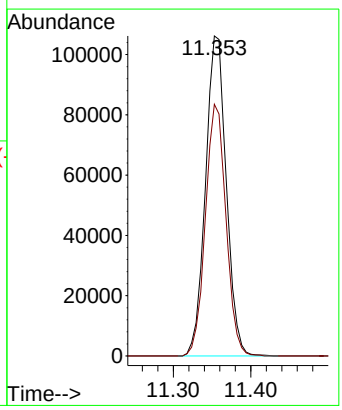


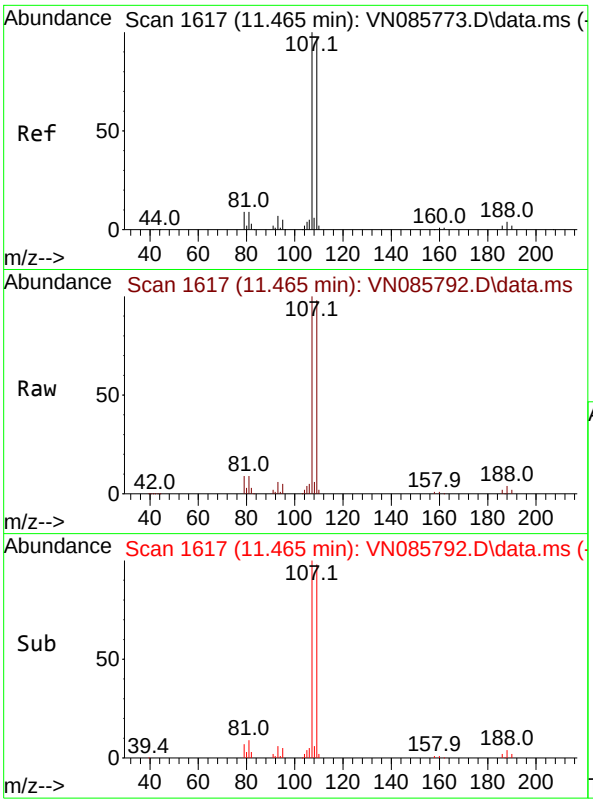


#60
Dibromochloromethane
Concen: 48.286 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:129 Resp: 197780

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.5



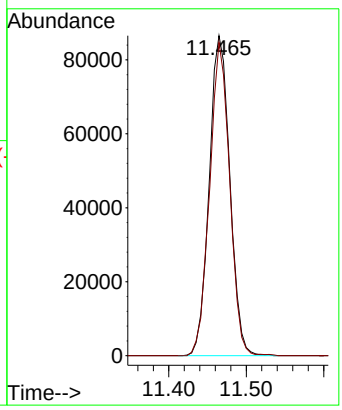


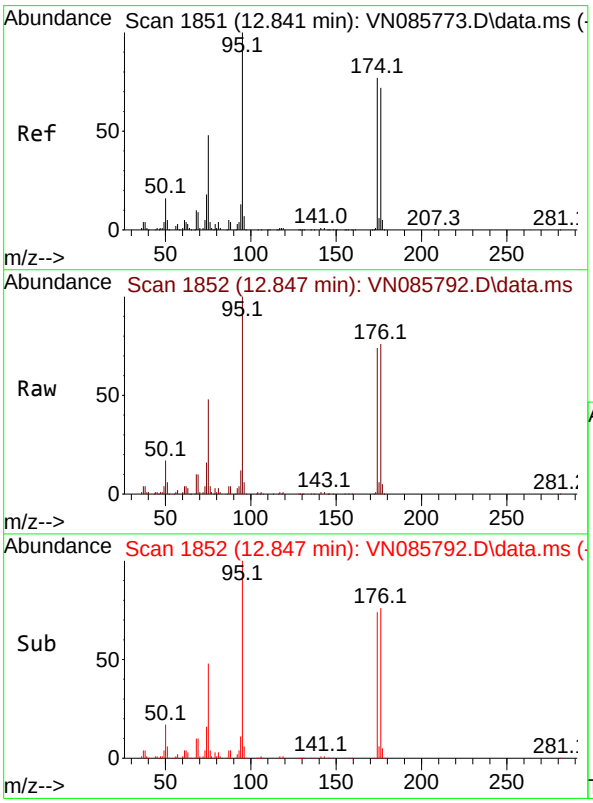
#61
1,2-Dibromoethane
Concen: 48.170 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 160097

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

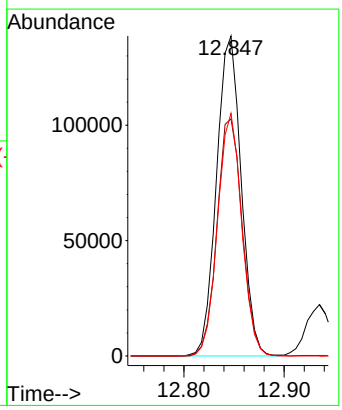


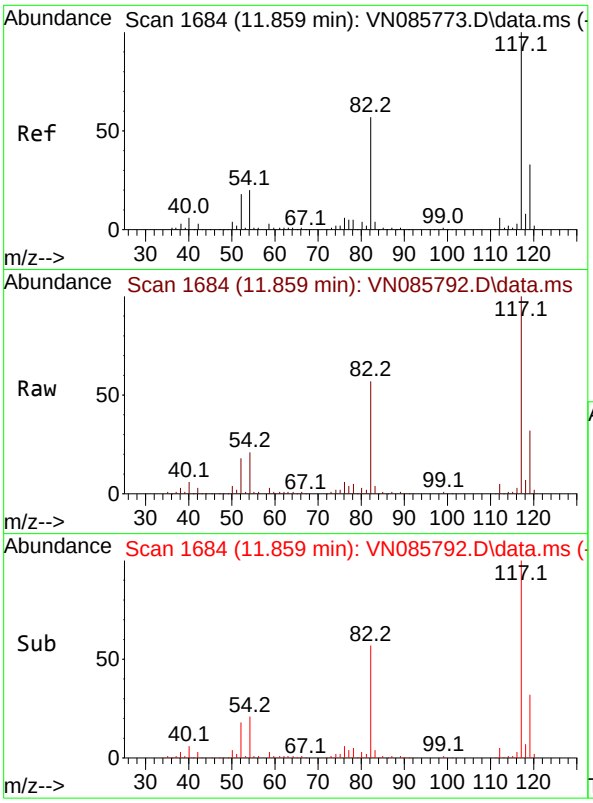


#62
4-Bromofluorobenzene
Concen: 59.322 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 95 Resp: 236610

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	152.4
176	73.9	0.0	146.6



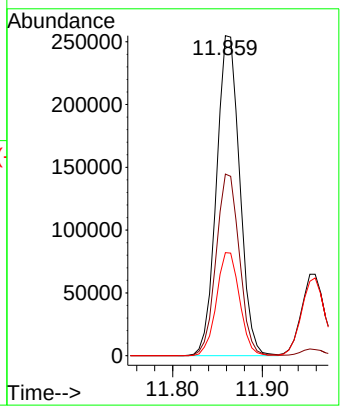


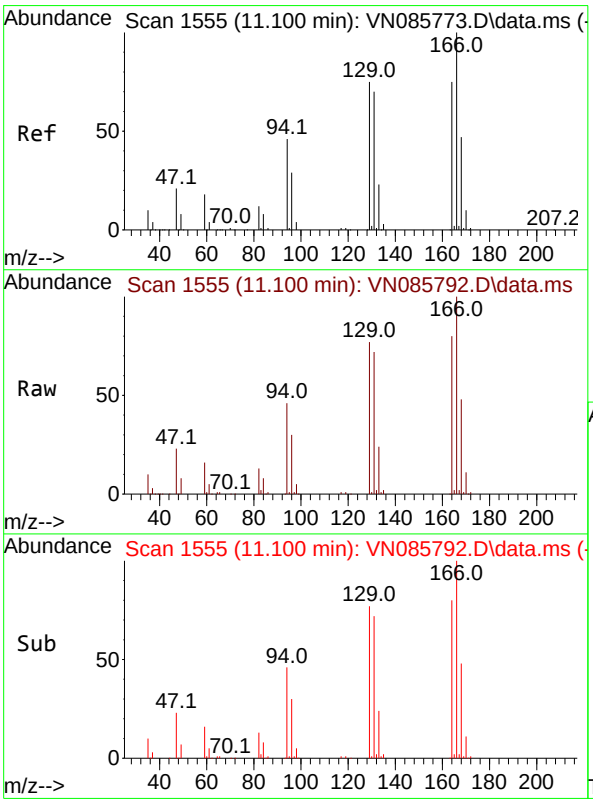
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 458383

Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.7	68.5
119	32.2	26.2	39.2

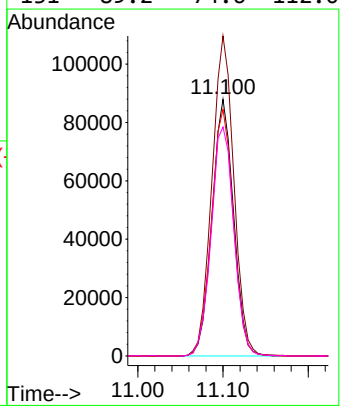


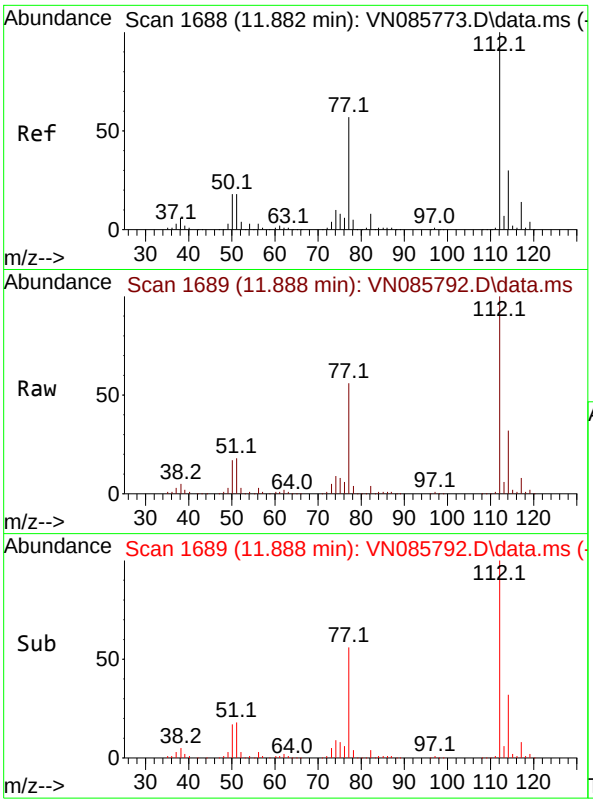


#64
Tetrachloroethene
Concen: 43.550 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:164 Resp: 154650

Ion	Ratio	Lower	Upper
164	100		
166	124.6	107.2	160.8
129	96.1	80.7	121.1
131	89.2	74.6	112.0



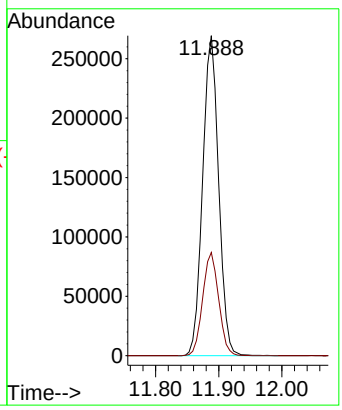


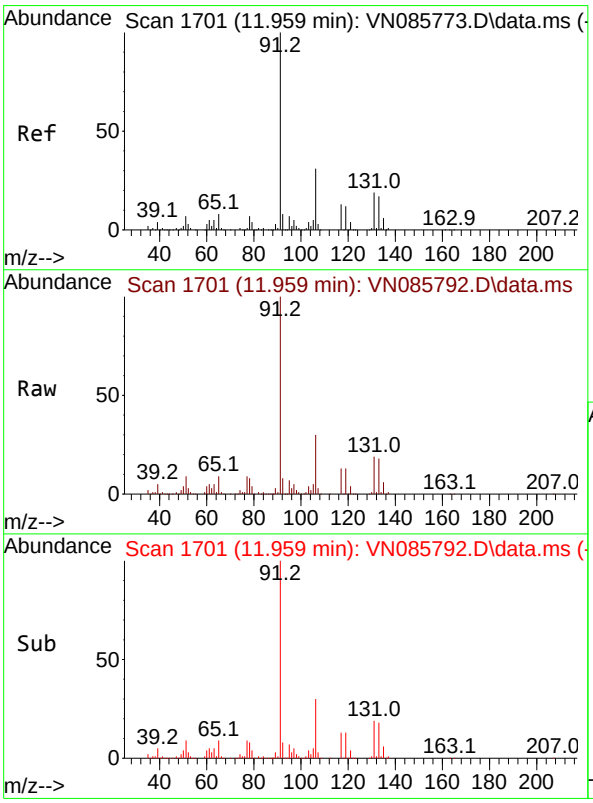
#65
Chlorobenzene
Concen: 45.077 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 473346

Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.3	36.5

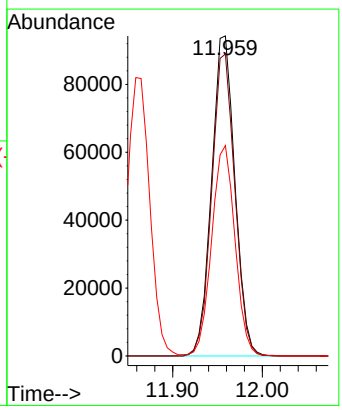


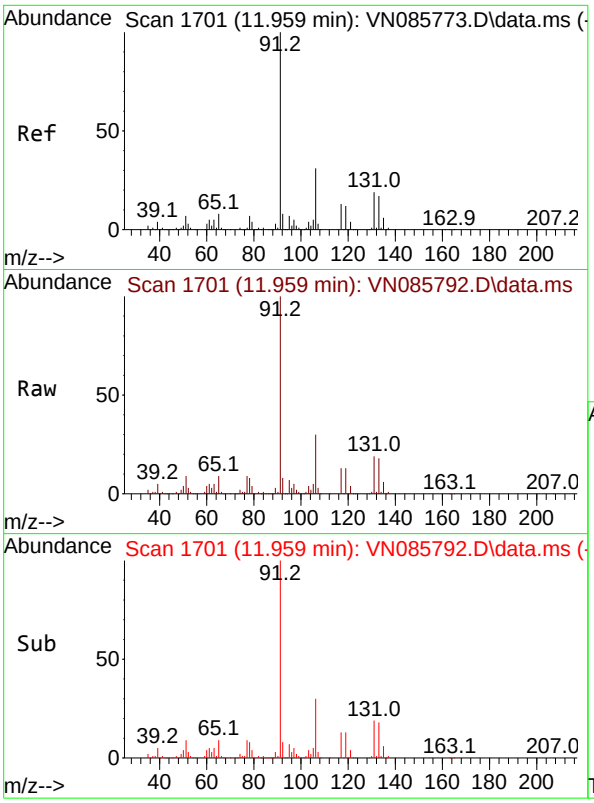


#66
1,1,1,2-Tetrachloroethane
Concen: 44.959 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:131 Resp: 169690

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.7	143.1
119	65.9	33.3	99.8



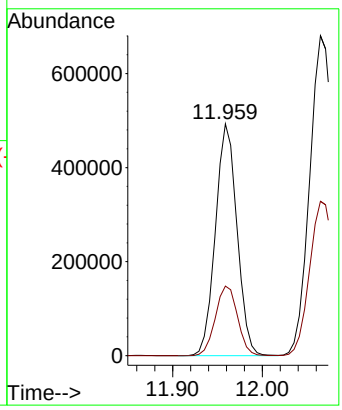


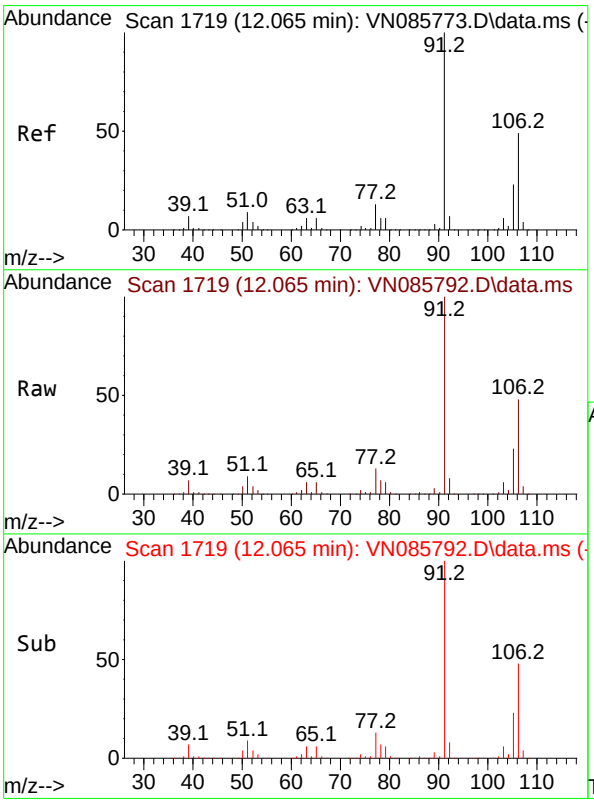
#67
Ethyl Benzene
Concen: 49.970 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 821966

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.7	37.1

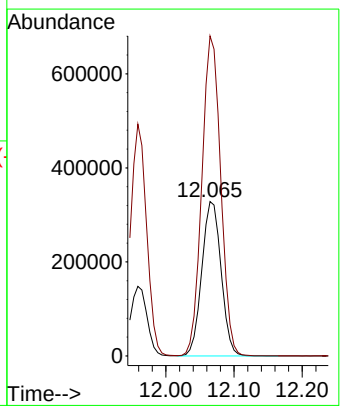


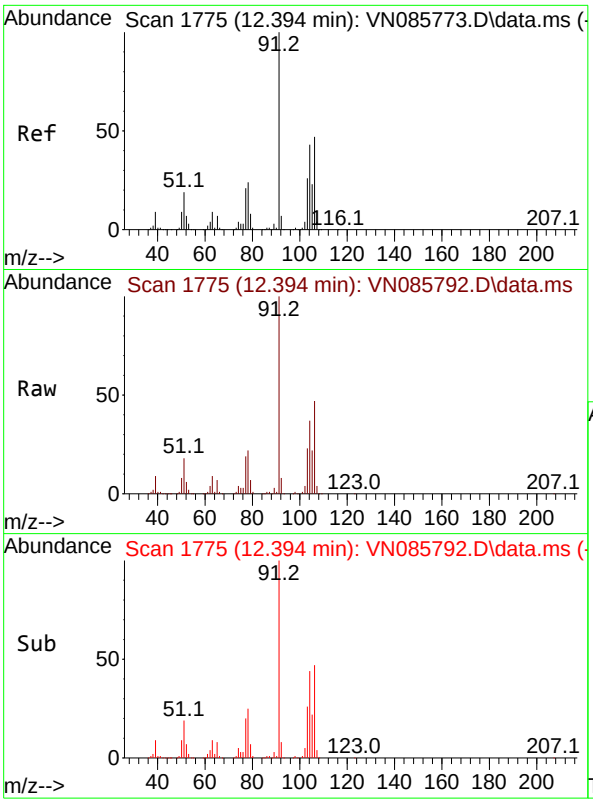


#68
m/p-Xylenes
Concen: 103.338 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:106 Resp: 645674

Ion	Ratio	Lower	Upper
106	100		
91	202.7	163.3	244.9



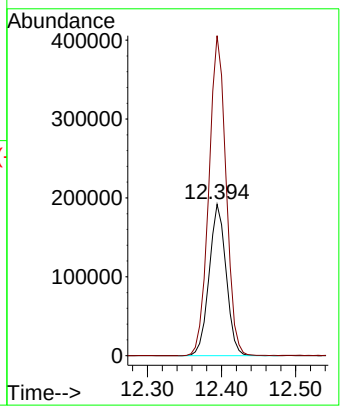


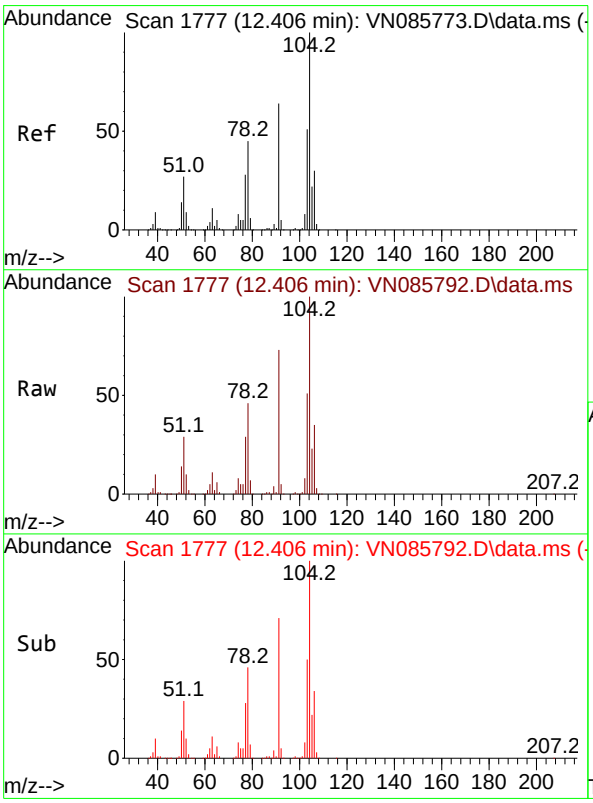
#69
o-Xylene
Concen: 51.340 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 304825

Ion	Ratio	Lower	Upper
106	100		
91	214.3	107.1	321.4

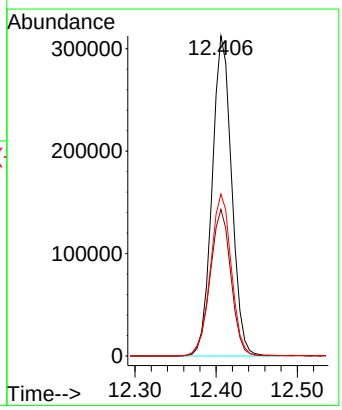


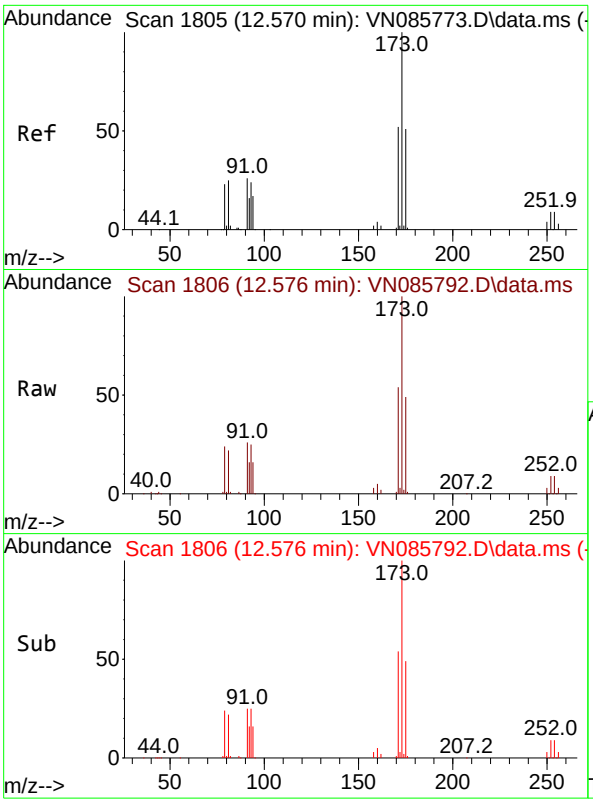


#70
Styrene
Concen: 47.549 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:104 Resp: 522609

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.6
103	54.1	43.3	64.9



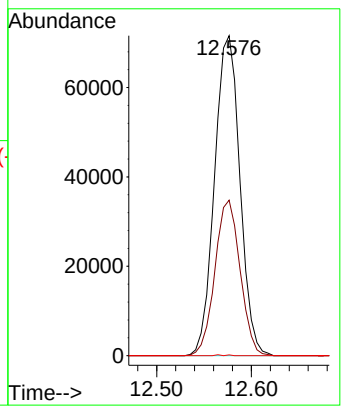


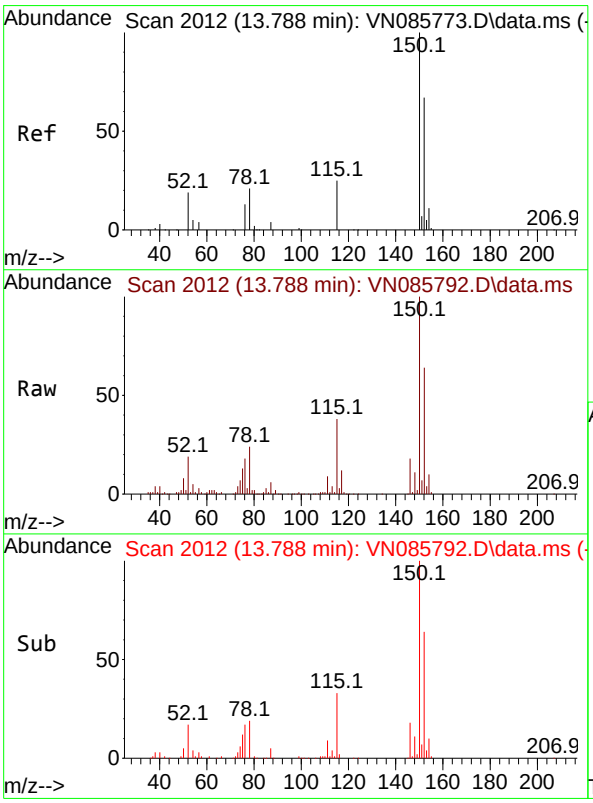
#71
Bromoform
Concen: 47.464 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 133117

Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.1	75.4
254	0.1	0.0	0.0#

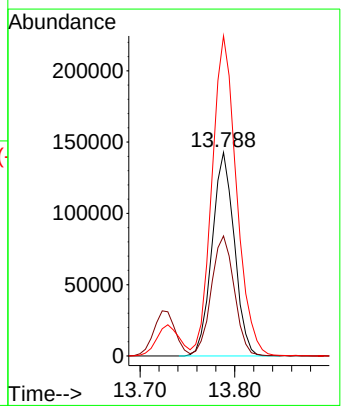


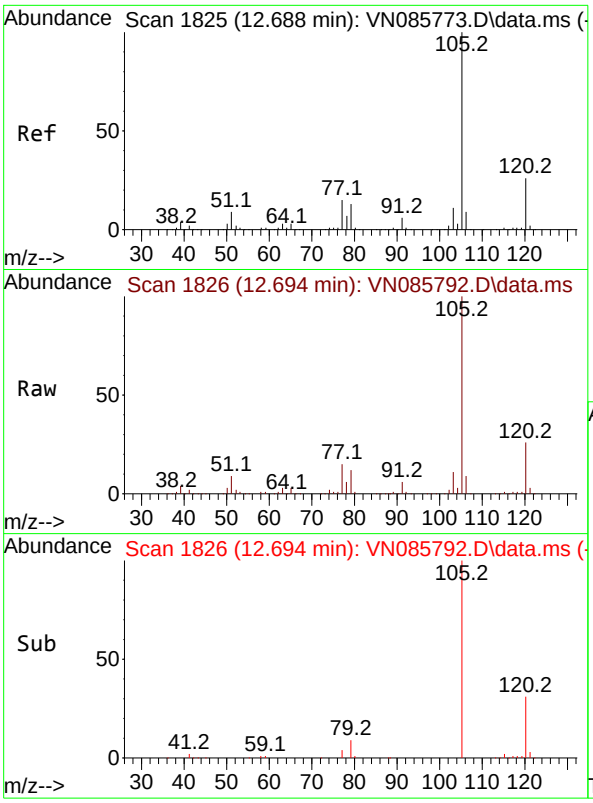


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:152 Resp: 232482

Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.4	91.3
150	173.6	0.0	345.4



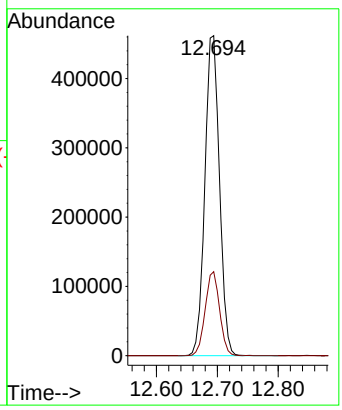


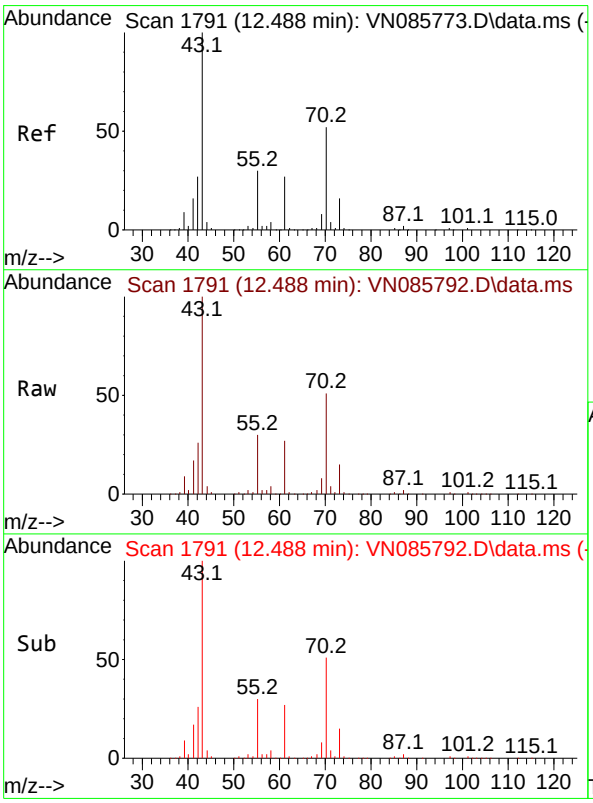
#73
Isopropylbenzene
Concen: 48.243 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 768379

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

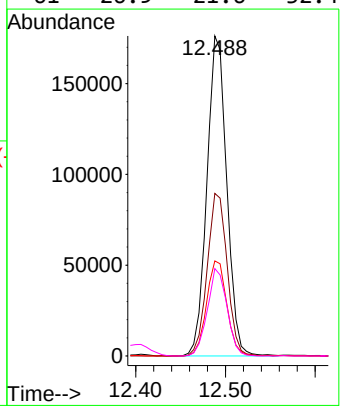


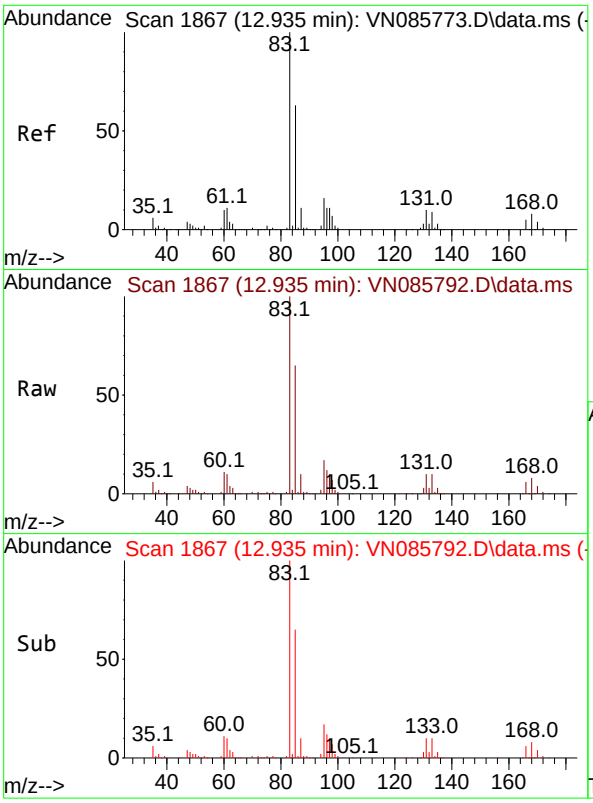


#74
N-amyl acetate
Concen: 48.207 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 43 Resp: 270762

Ion	Ratio	Lower	Upper
43	100		
70	51.1	41.0	61.4
55	30.4	24.6	36.8
61	26.9	21.6	32.4



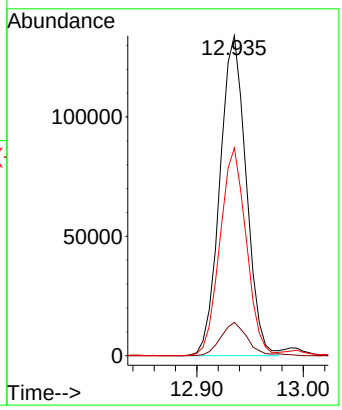


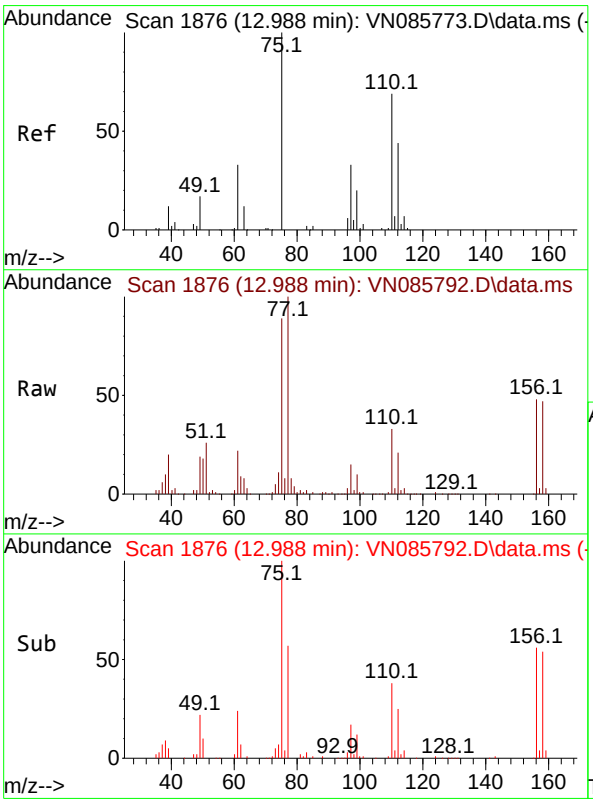
#75
1,1,2,2-Tetrachloroethane
Concen: 41.964 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 229993

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.0	32.2	96.6

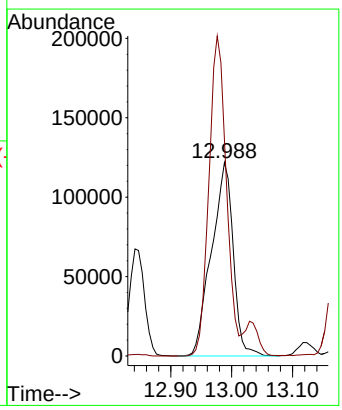


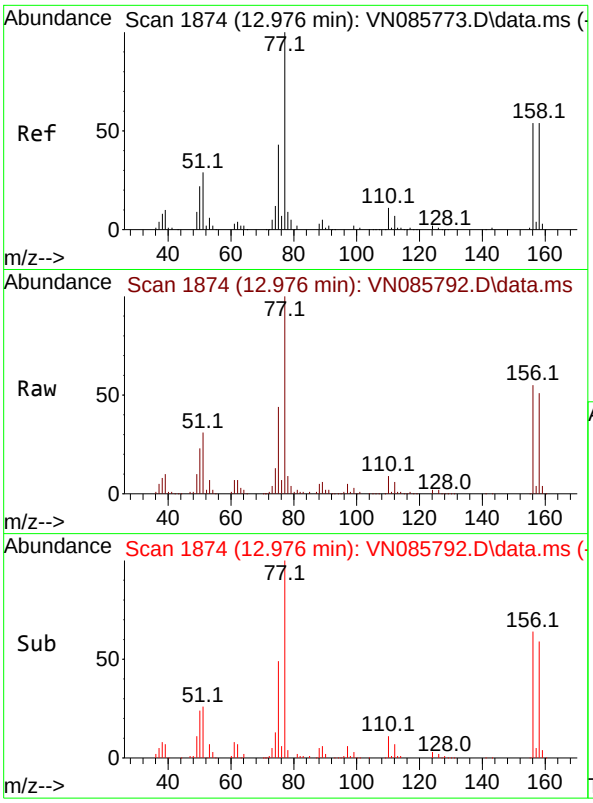


#76
1,2,3-Trichloropropane
Concen: 58.555 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 302392

Ion	Ratio	Lower	Upper
75	100		
77	134.0	100.0	300.0



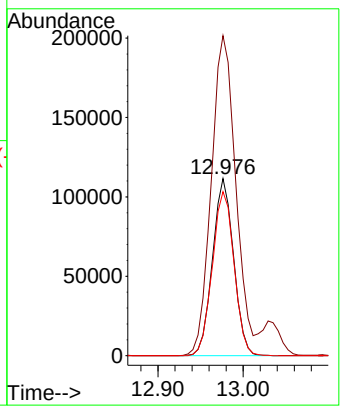


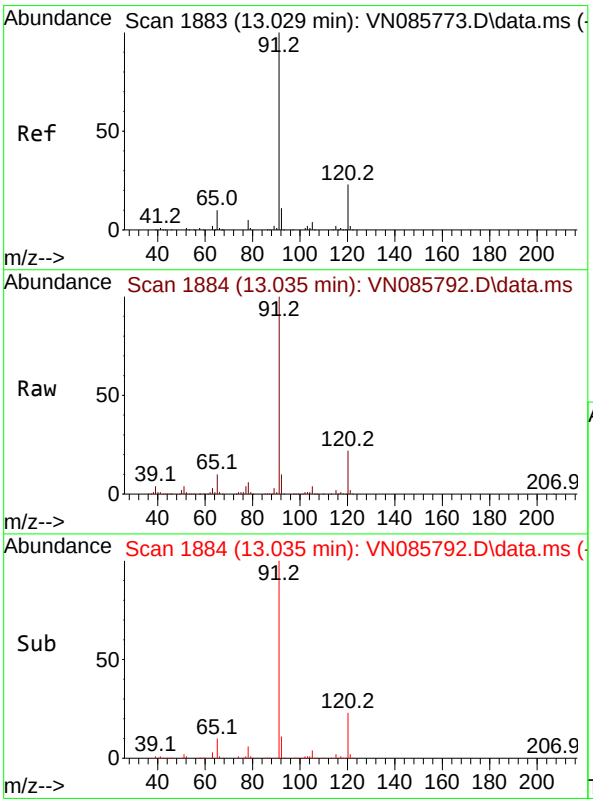
#77
Bromobenzene
Concen: 44.367 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 190912

Ion	Ratio	Lower	Upper
156	100		
77	212.3	104.1	312.3
158	95.8	48.1	144.4

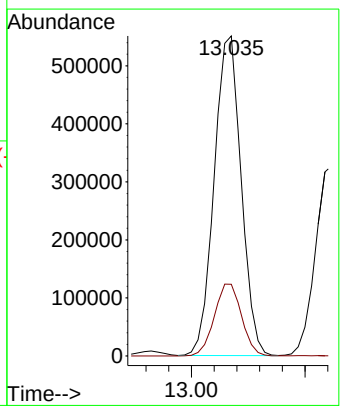


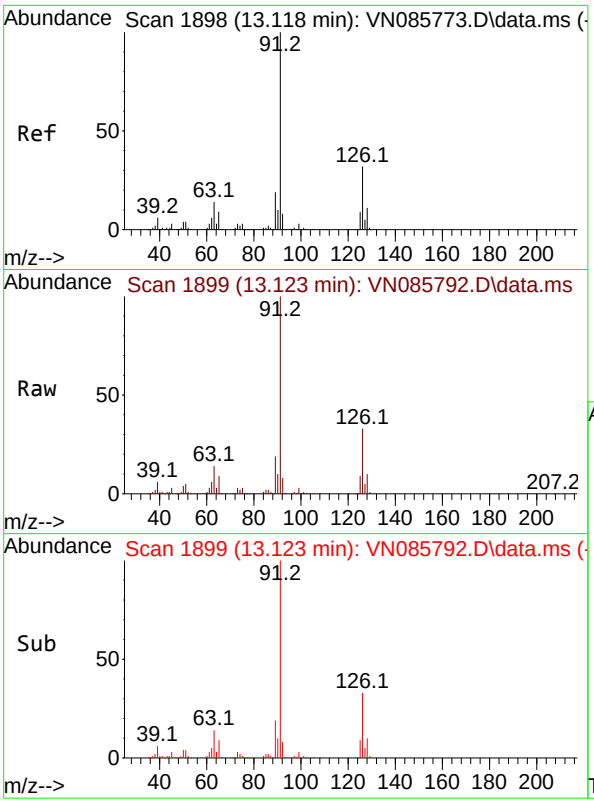


#78
n-propylbenzene
Concen: 49.811 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 91 Resp: 908575

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8



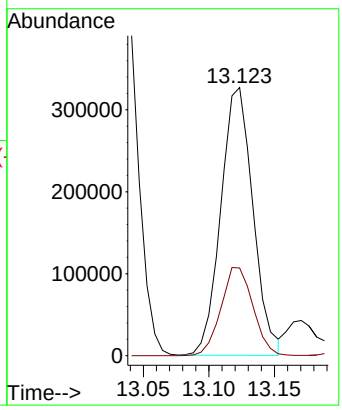


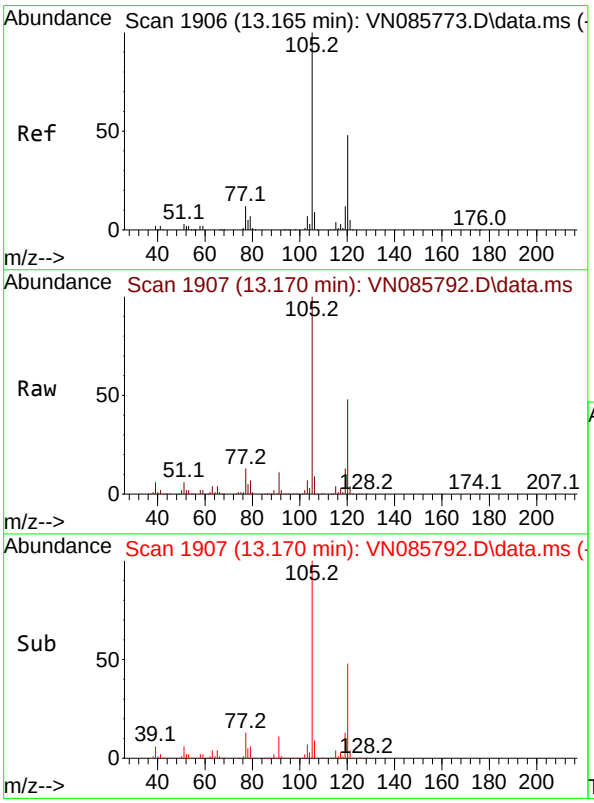
#79
2-Chlorotoluene
Concen: 45.836 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 558615

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.1

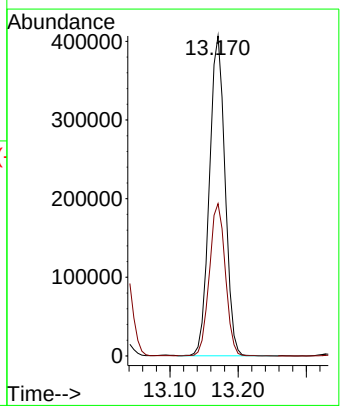


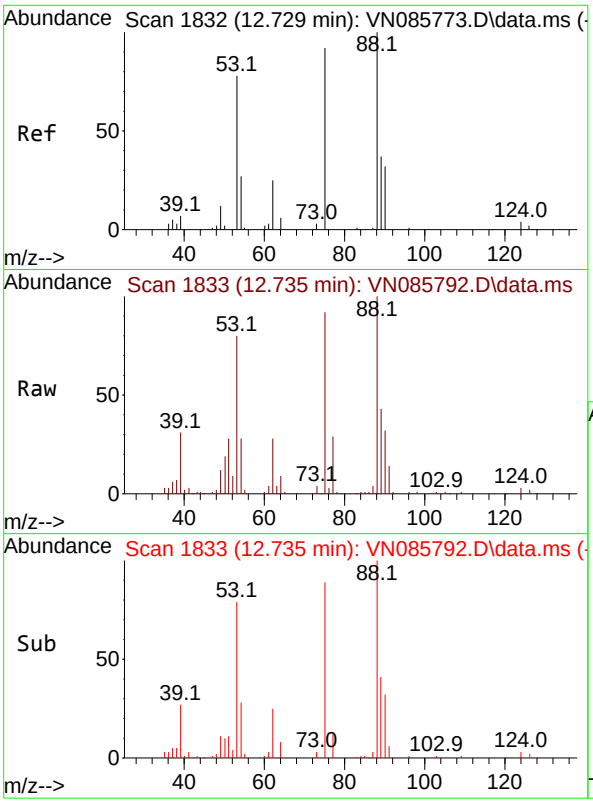


#80
1,3,5-Trimethylbenzene
Concen: 49.976 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:105 Resp: 648399

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9



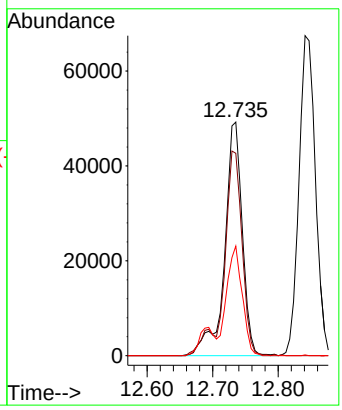


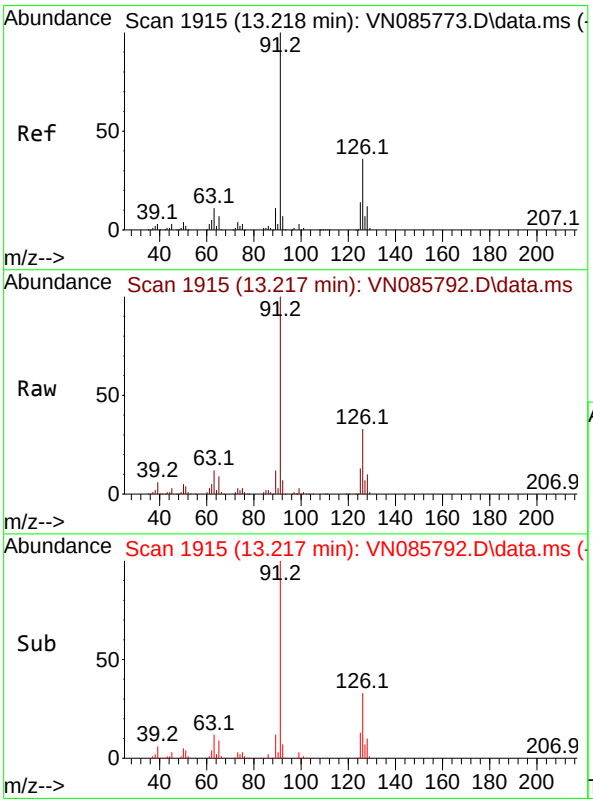
#81
trans-1,4-Dichloro-2-butene
Concen: 52.218 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 92422

Ion	Ratio	Lower	Upper
75	100		
53	78.9	74.2	111.4
89	41.6	34.9	52.3

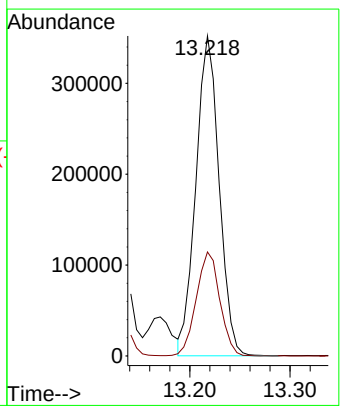


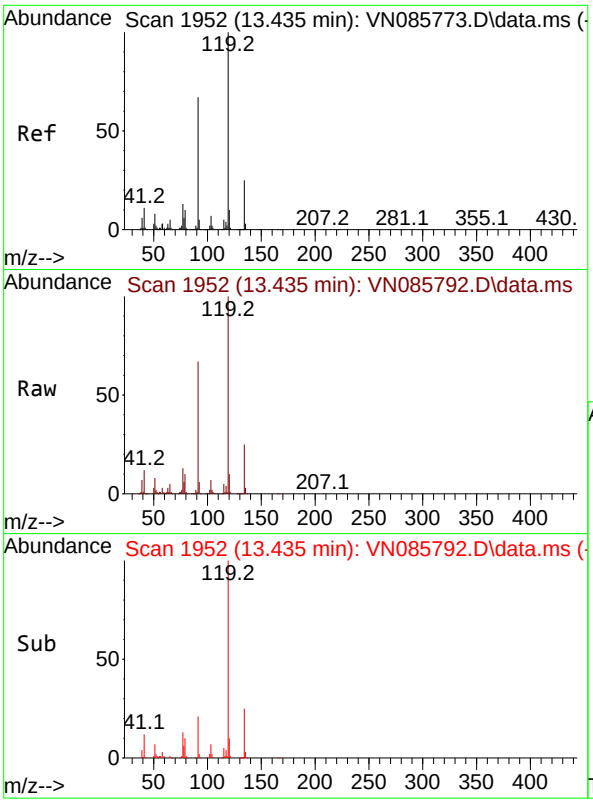


#82
4-Chlorotoluene
Concen: 46.957 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 91 Resp: 567337

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4



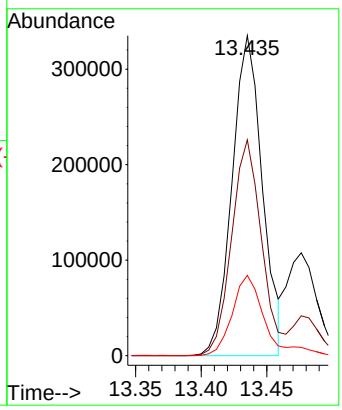


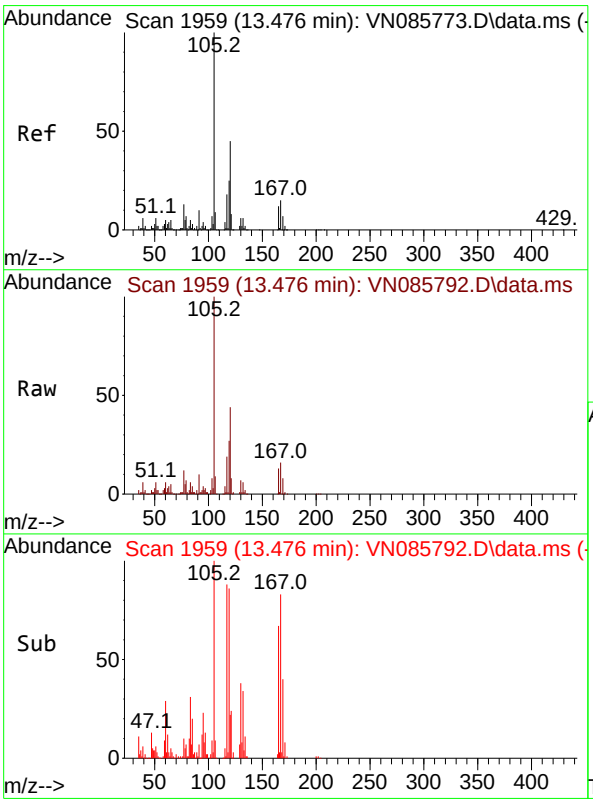
#83
tert-Butylbenzene
Concen: 49.436 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 539365

Ion	Ratio	Lower	Upper
119	100		
91	67.1	32.5	97.5
134	27.0	13.3	39.9

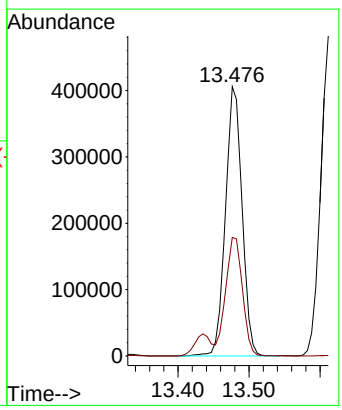


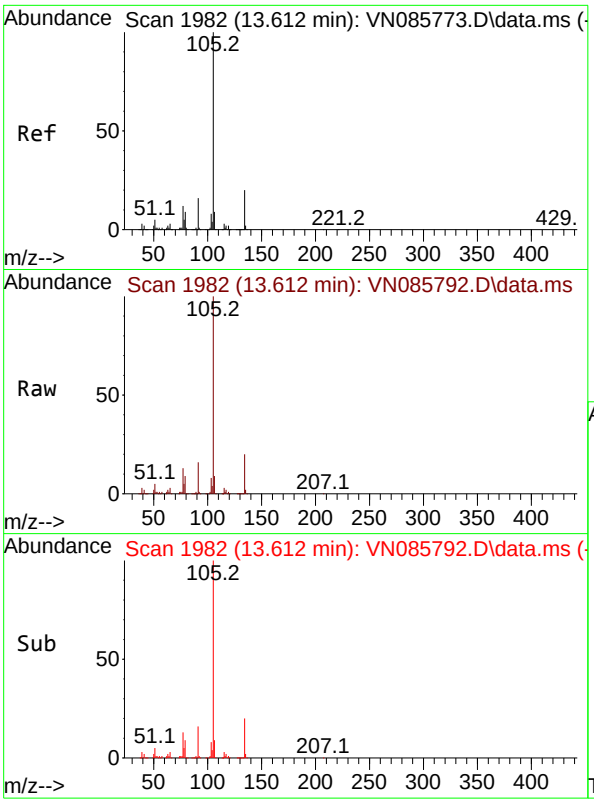


#84
1,2,4-Trimethylbenzene
Concen: 51.289 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:105 Resp: 658361

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3



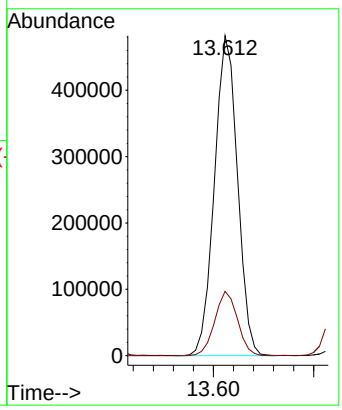


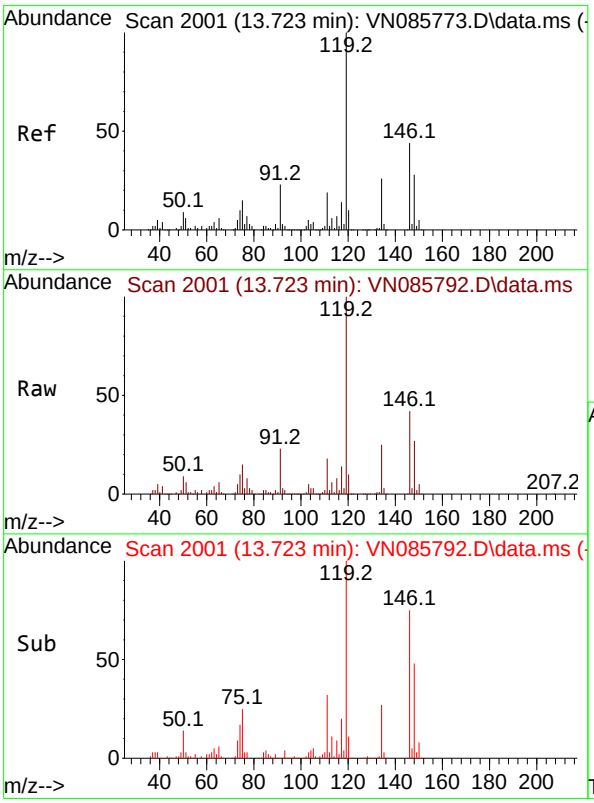
#85
sec-Butylbenzene
Concen: 49.936 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 769769

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

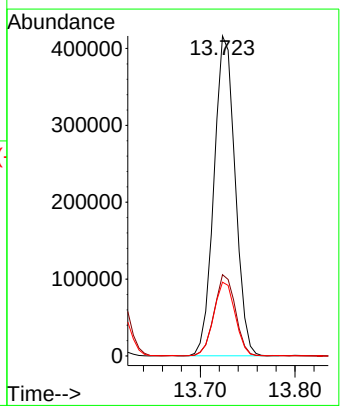


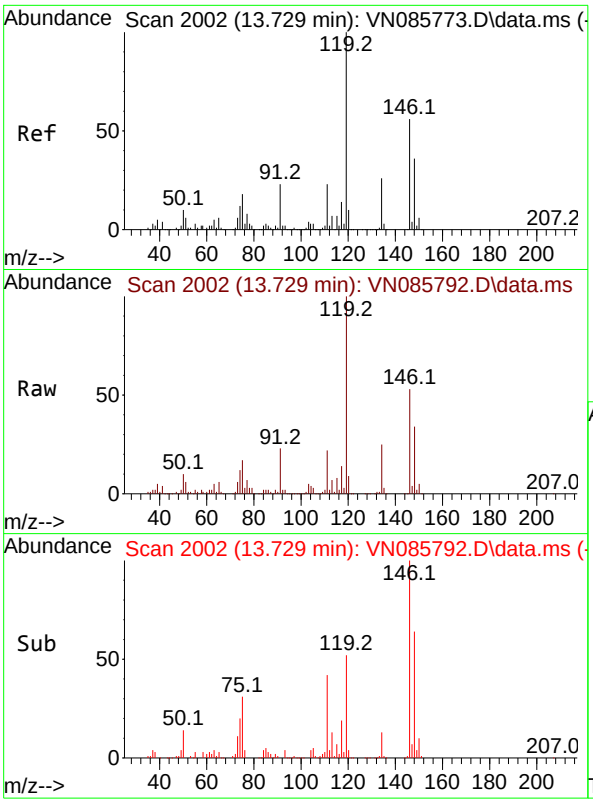


#86
p-Isopropyltoluene
Concen: 46.109 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:119 Resp: 646548

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	23.4	11.7	35.1



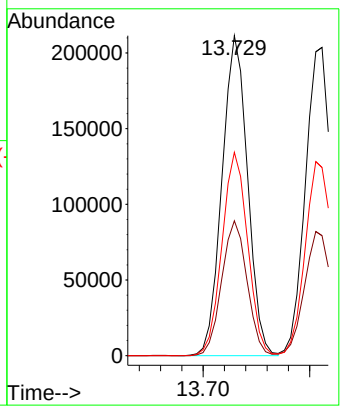


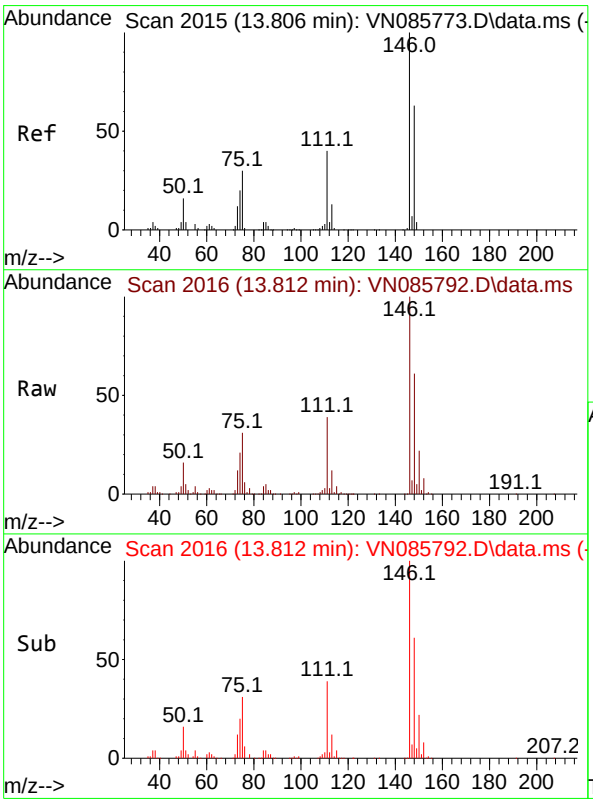
#87
1,3-Dichlorobenzene
Concen: 43.726 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 352513

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.3
148	63.8	32.1	96.5

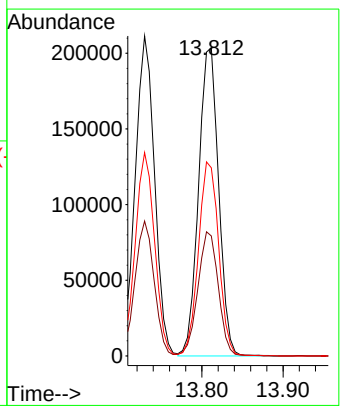


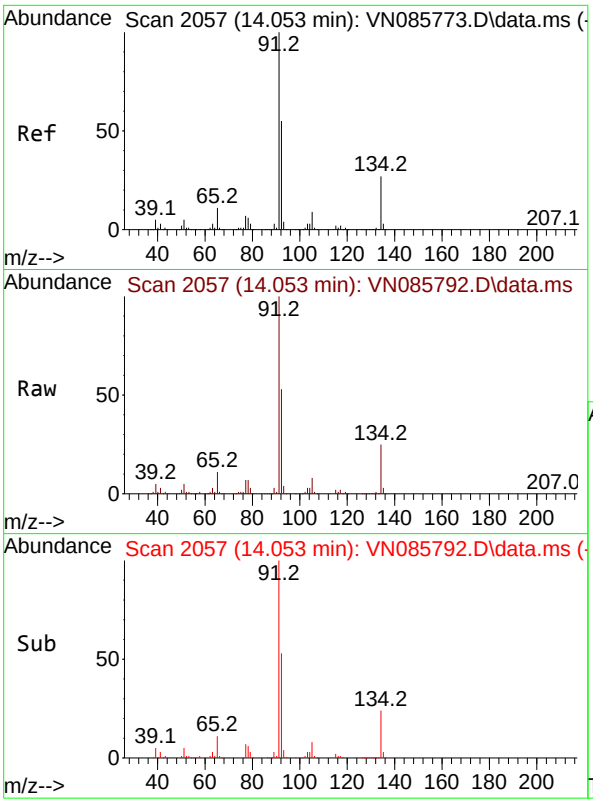


#88
1,4-Dichlorobenzene
Concen: 42.308 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:146 Resp: 349584

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.6	31.8	95.4



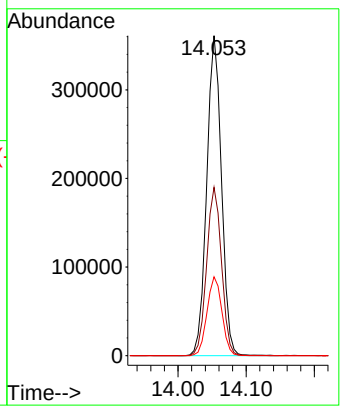


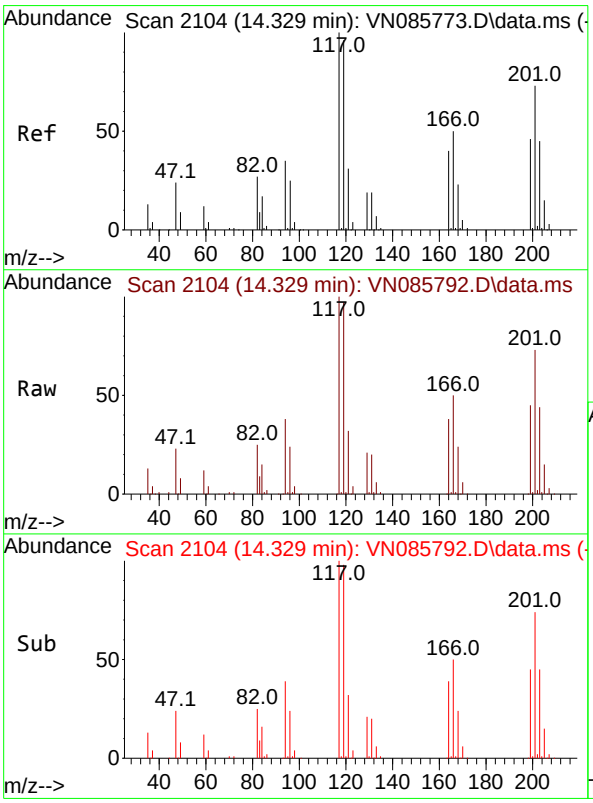
#89
n-Butylbenzene
Concen: 49.591 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 542751

Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.1	81.3
134	24.9	12.7	38.1

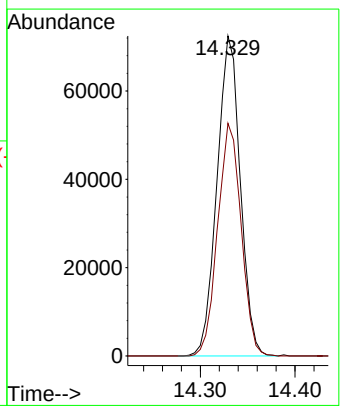


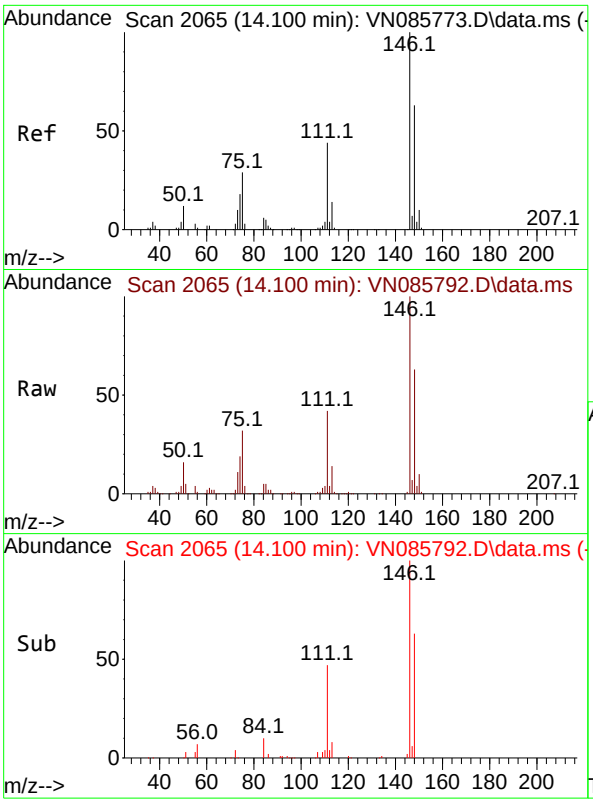


#90
Hexachloroethane
Concen: 42.457 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:117 Resp: 123948

Ion	Ratio	Lower	Upper
117	100		
201	73.1	35.6	106.9



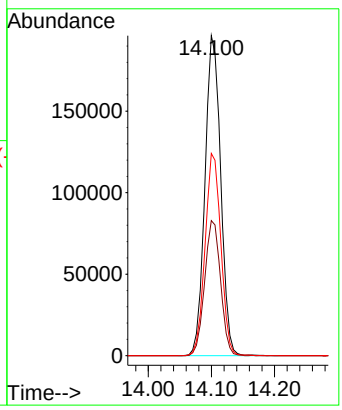


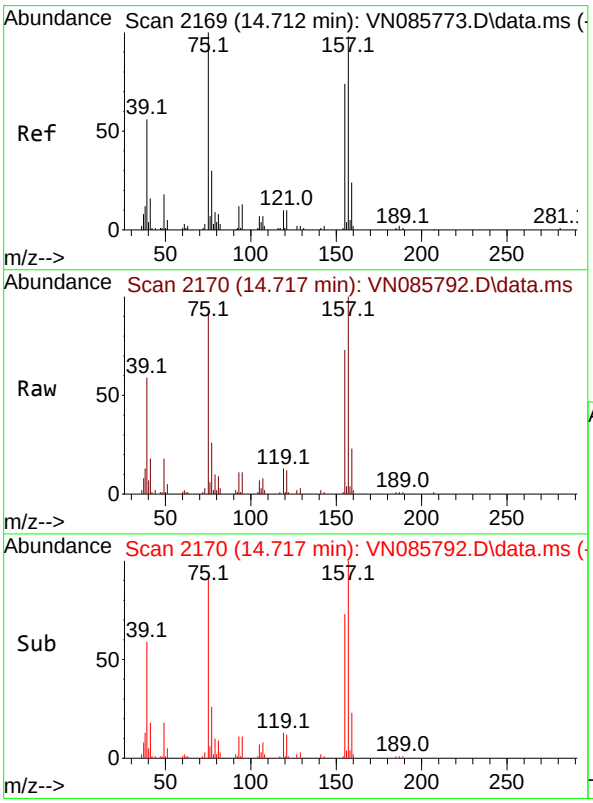
#91
1,2-Dichlorobenzene
Concen: 43.880 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 340178

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	63.4	32.0	96.2

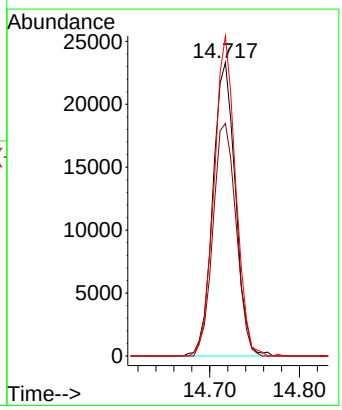


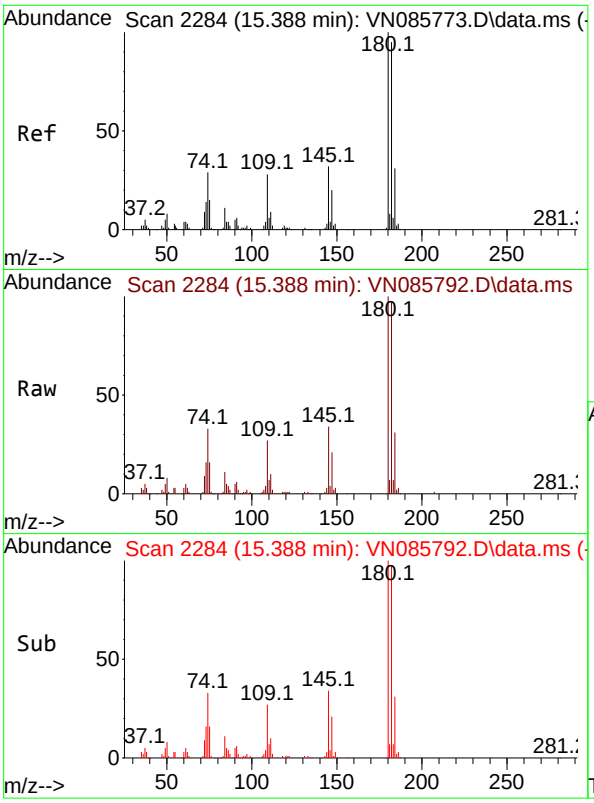


#92
1,2-Dibromo-3-Chloropropane
Concen: 40.398 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion: 75 Resp: 40657

Ion	Ratio	Lower	Upper
75	100		
155	81.1	39.9	119.6
157	104.5	49.9	149.7



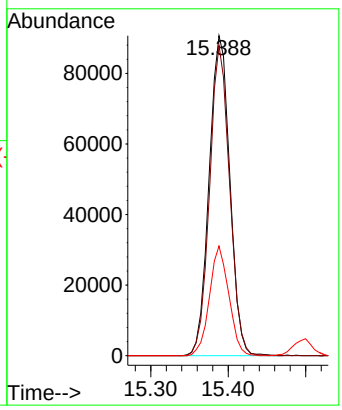


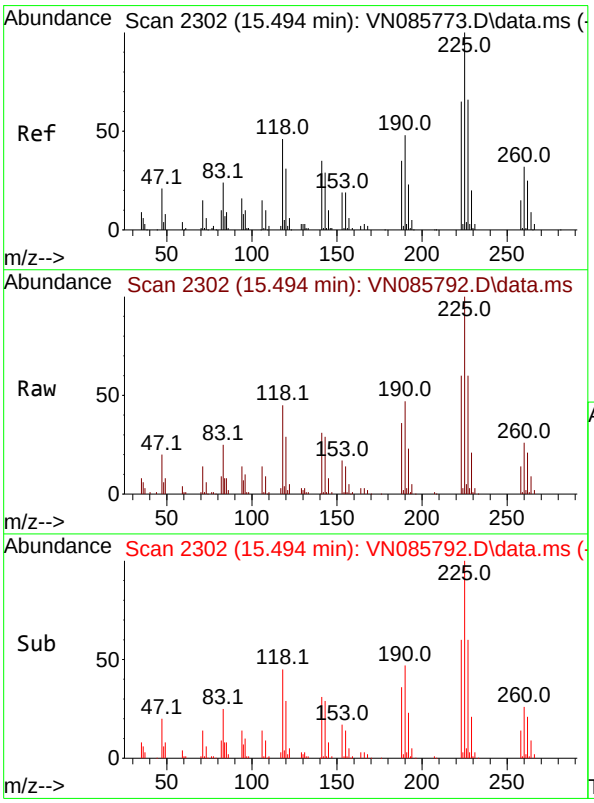
#93
1,2,4-Trichlorobenzene
Concen: 45.512 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 168128

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	141.9
145	32.1	16.2	48.5

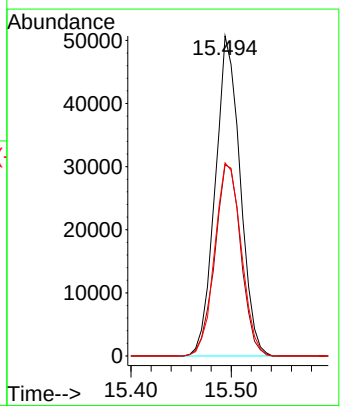


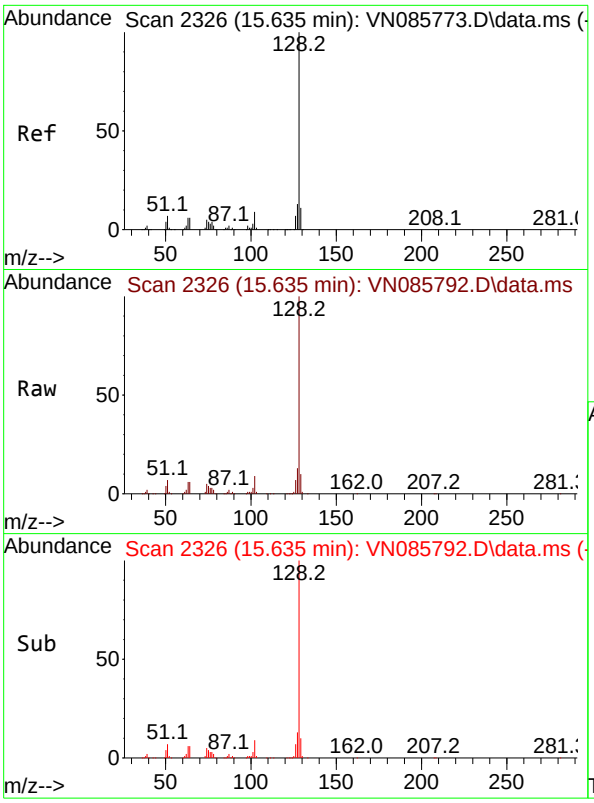


#94
Hexachlorobutadiene
Concen: 38.992 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:225 Resp: 87539

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.5
227	64.1	32.2	96.6



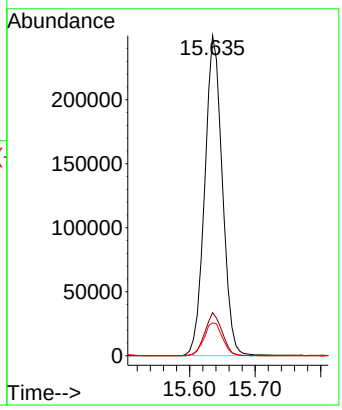


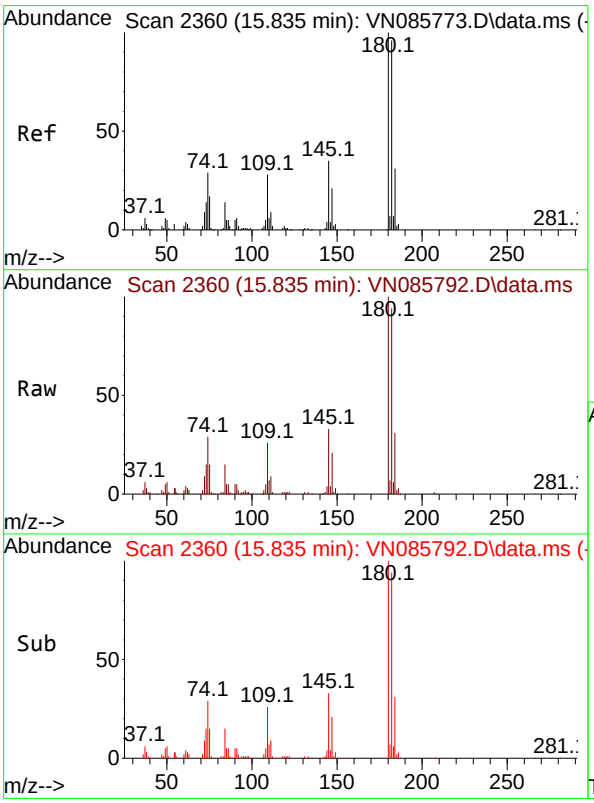
#95
Naphthalene
Concen: 45.979 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 466312

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.7	13.1

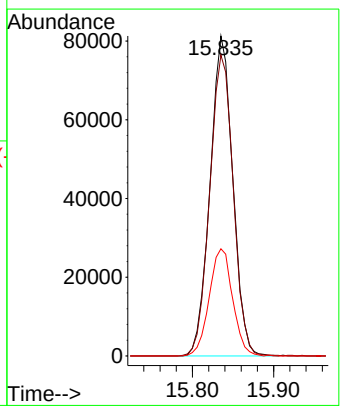




#96
1,2,3-Trichlorobenzene
Concen: 42.697 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085792.D
Acq: 19 Feb 2025 15:58

Tgt Ion:180 Resp: 158346

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.3	141.8
145	34.4	16.9	50.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	185671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	293189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	242257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	113107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	10514	6.651	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 13.300%#			
35) Dibromofluoromethane	7.640	113	10294	5.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 11.680%#			
50) Toluene-d8	10.115	98	37973	5.520	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 11.040%#			
62) 4-Bromofluorobenzene	12.414	95	12237	5.301	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 10.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	9330	5.910	ug/l	94
3) Chloromethane	2.080	50	9736	9.700	ug/l	98
4) Vinyl Chloride	2.214	62	9942	9.607	ug/l	100
5) Bromomethane	2.611	94	6604	9.426	ug/l	92
6) Chloroethane	2.751	64	5863	9.698	ug/l	89
7) Trichlorofluoromethane	3.074	101	17163	6.872	ug/l	96
8) Diethyl Ether	3.470	74	5090	6.827	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.830	101	10891	6.476	ug/l	93
10) Methyl Iodide	4.019	142	9923	5.156	ug/l	97
11) Tert butyl alcohol	4.878	59	3893	33.712	ug/l #	73
12) 1,1-Dichloroethene	3.805	96	9831	6.255	ug/l	89
13) Acrolein	3.665	56	5116	38.472	ug/l	94
14) Allyl chloride	4.403	41	16131	7.456	ug/l	93
15) Acrylonitrile	5.086	53	10135	33.047	ug/l #	73
16) Acetone	3.891	43	8118	37.678	ug/l	99
17) Carbon Disulfide	4.123	76	31063	6.417	ug/l	99
18) Methyl Acetate	4.397	43	5577	7.397	ug/l	92
19) Methyl tert-butyl Ether	5.128	73	23603	6.452	ug/l	98
20) Methylene Chloride	4.635	84	10585	6.661	ug/l	94
21) trans-1,2-Dichloroethene	5.141	96	10724	6.364	ug/l	91
22) Diisopropyl ether	6.031	45	32323	7.329	ug/l	94
23) Vinyl Acetate	5.976	43	87000	35.621	ug/l	97
24) 1,1-Dichloroethane	5.933	63	20490	7.202	ug/l	96
25) 2-Butanone	6.915	43	12466	34.105	ug/l	93
26) 2,2-Dichloropropane	6.890	77	19144	6.834	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	12299	6.350	ug/l	93
28) Bromochloromethane	7.256	49	6919	6.527	ug/l	85
29) Tetrahydrofuran	7.281	42	8193	33.310	ug/l	92
30) Chloroform	7.439	83	20552	6.669	ug/l	96
31) Cyclohexane	7.713	56	20287	7.295	ug/l #	85
32) 1,1,1-Trichloroethane	7.628	97	19818	6.645	ug/l	97
36) 1,1-Dichloropropene	7.841	75	15667	6.231	ug/l	95
37) Ethyl Acetate	6.994	43	6383	6.809	ug/l #	74
38) Carbon Tetrachloride	7.829	117	17709	5.691	ug/l	99
39) Methylcyclohexane	9.116	83	17860	5.287	ug/l	93
40) Benzene	8.091	78	44324	5.991	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.281	41	8572	16.526 ug/l #	21
42) 1,2-Dichloroethane	8.164	62	12762	6.801 ug/l	98
43) Isopropyl Acetate	8.207	43	11839	6.321 ug/l #	86
44) Trichloroethene	8.878	130	11751	5.756 ug/l	93
45) 1,2-Dichloropropane	9.146	63	10477	6.318 ug/l	99
46) Dibromomethane	9.244	93	5885	6.098 ug/l	91
47) Bromodichloromethane	9.433	83	15477	6.107 ug/l	94
48) Methyl methacrylate	9.231	41	5280	5.922 ug/l	93
49) 1,4-Dioxane	9.250	88	940	91.663 ug/l #	93
51) 4-Methyl-2-Pentanone	10.006	43	29573	30.730 ug/l	91
52) Toluene	10.182	92	26760	5.572 ug/l	96
53) t-1,3-Dichloropropene	10.402	75	12933	5.639 ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	15488	5.650 ug/l #	90
55) 1,1,2-Trichloroethane	10.579	97	7651	5.961 ug/l	92
56) Ethyl methacrylate	10.451	69	8418	5.018 ug/l #	82
57) 1,3-Dichloropropane	10.725	76	12714	5.845 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	21035	29.542 ug/l	95
59) 2-Hexanone	10.774	43	18159	29.030 ug/l	90
60) Dibromochloromethane	10.920	129	10511	5.744 ug/l	96
61) 1,2-Dibromoethane	11.024	107	6810	5.555 ug/l	96
64) Tetrachloroethene	10.652	164	9915	5.426 ug/l	96
65) Chlorobenzene	11.450	112	29973	5.872 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	10524	5.810 ug/l	98
67) Ethyl Benzene	11.530	91	50904	5.760 ug/l	97
68) m/p-Xylenes	11.639	106	37399	11.015 ug/l	98
69) o-Xylene	11.963	106	17519	5.550 ug/l	99
70) Styrene	11.981	104	27946	5.333 ug/l	99
71) Bromoform	12.145	173	5607	5.252 ug/l #	97
73) Isopropylbenzene	12.261	105	46625	5.869 ug/l	100
74) N-amyl acetate	12.085	43	8887	6.144 ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.517	83	8001	6.240 ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	10605	11.844 ug/l #	100
77) Bromobenzene	12.542	156	10698	5.680 ug/l	90
78) n-propylbenzene	12.603	91	54990	5.907 ug/l	99
79) 2-Chlorotoluene	12.688	91	32479	6.123 ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	37564	5.772 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	2446	5.671 ug/l	92
82) 4-Chlorotoluene	12.786	91	32824	6.046 ug/l	99
83) tert-Butylbenzene	13.005	119	33572	5.562 ug/l	95
84) 1,2,4-Trimethylbenzene	13.054	105	36016	5.665 ug/l	100
85) sec-Butylbenzene	13.188	105	49828	5.831 ug/l	99
86) p-Isopropyltoluene	13.304	119	40197	5.597 ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	21910	5.966 ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	21553	5.910 ug/l	95
89) n-Butylbenzene	13.627	91	36214	5.630 ug/l	96
90) Hexachloroethane	13.895	117	8559	5.891 ug/l	98
91) 1,2-Dichlorobenzene	13.670	146	18869	5.892 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1125	5.699 ug/l	82
93) 1,2,4-Trichlorobenzene	14.932	180	9000	4.590 ug/l	98
94) Hexachlorobutadiene	15.035	225	6792	5.001 ug/l	99
95) Naphthalene	15.157	128	12124	3.847 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	7255	4.375 ug/l	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

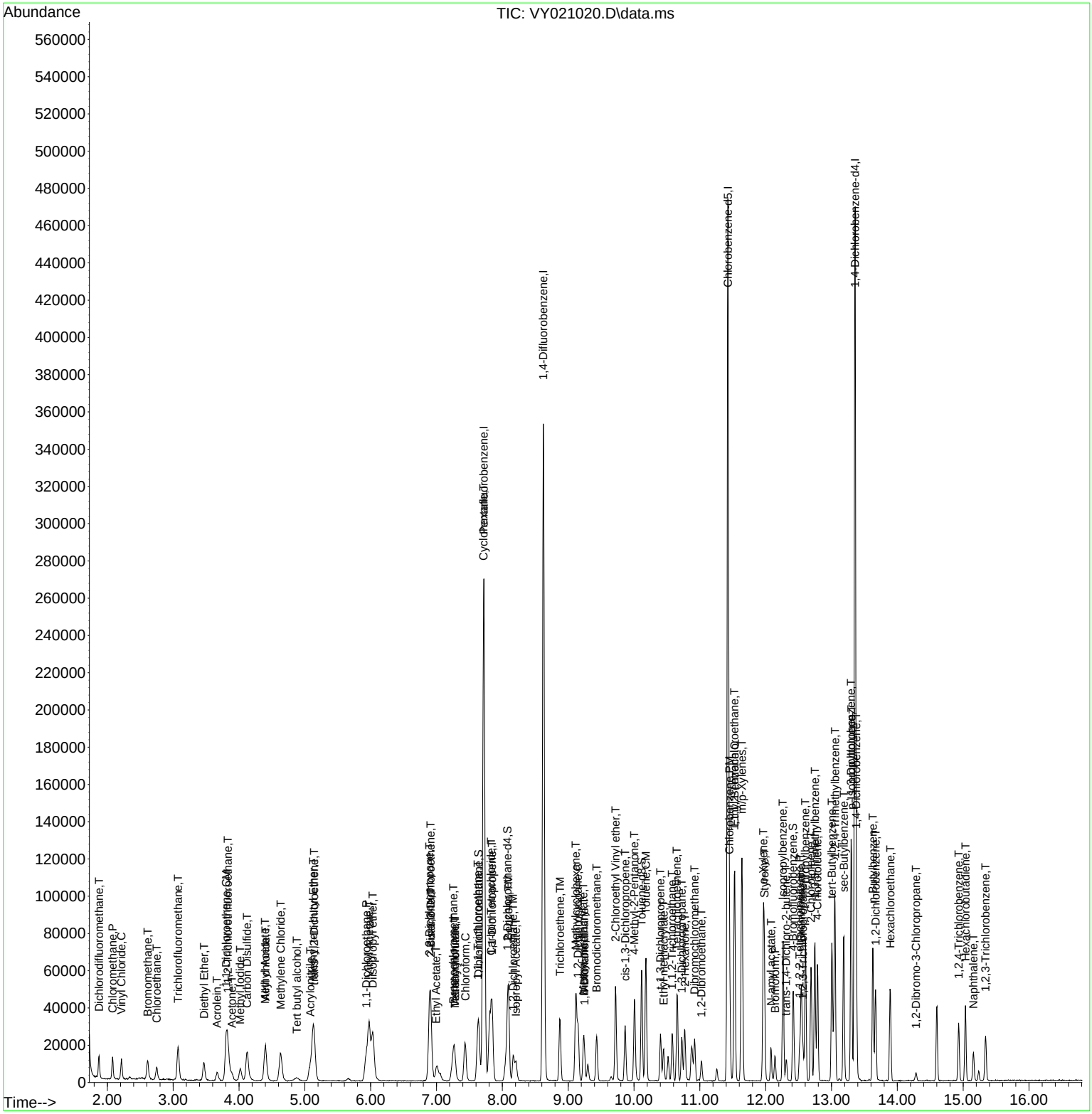
(#) = qualifier out of range (m) = manual integration (+) = signals summed

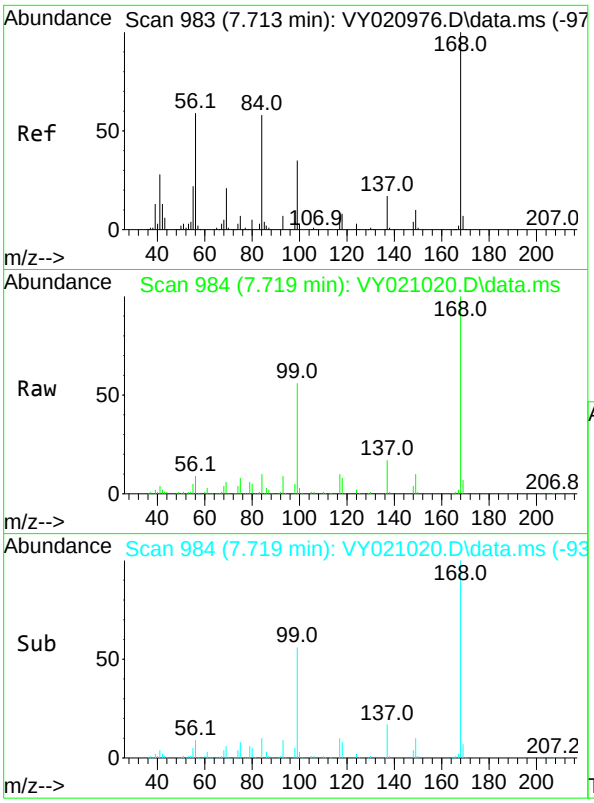
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



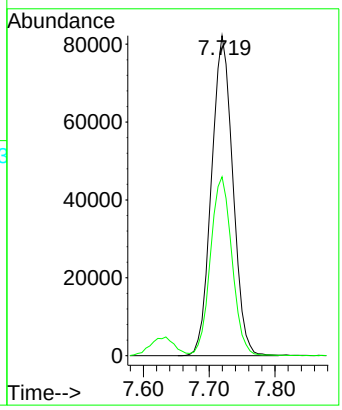


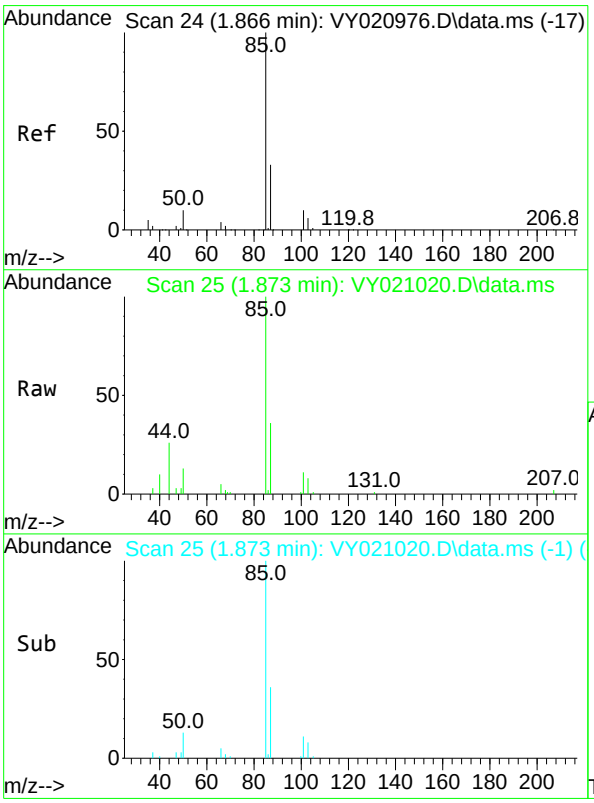
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 185671

Ion	Ratio	Lower	Upper
168	100		
99	55.8	42.2	63.2

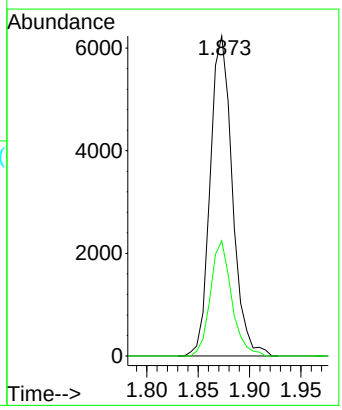


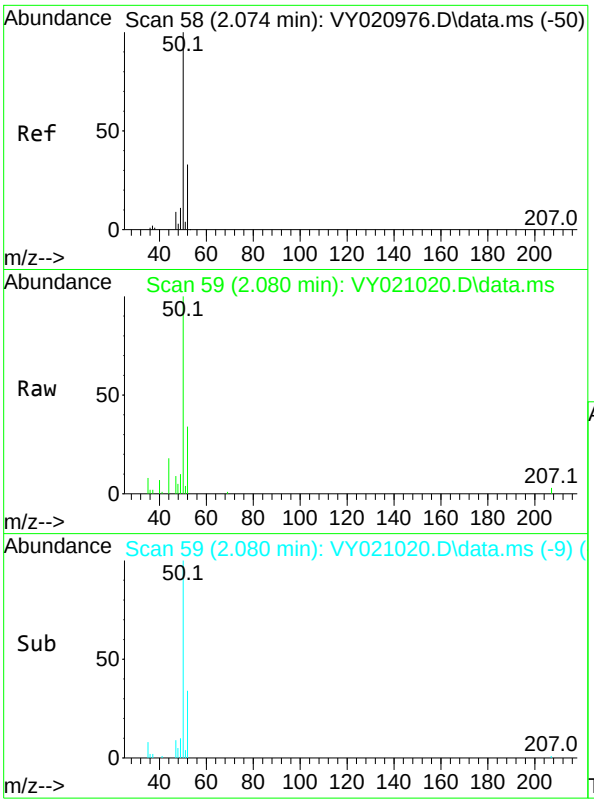


#2
Dichlorodifluoromethane
Concen: 5.910 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 85 Resp: 9330

Ion	Ratio	Lower	Upper
85	100		
87	36.0	16.3	48.9



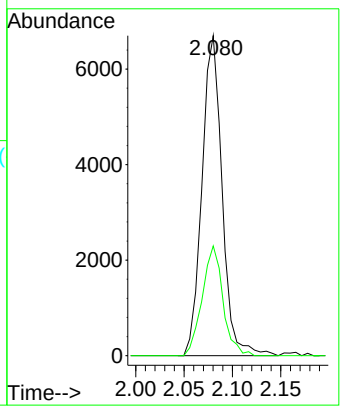


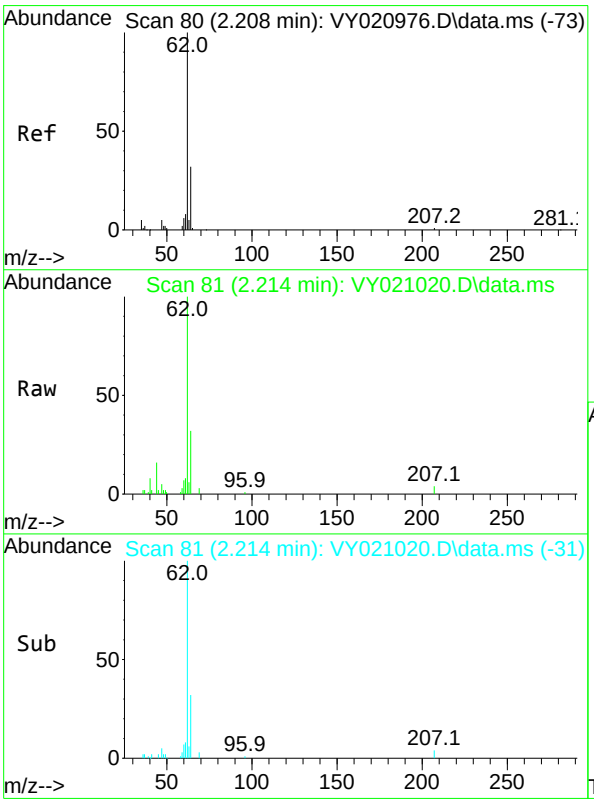
#3
Chloromethane
Concen: 9.700 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 9736

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.3	39.5

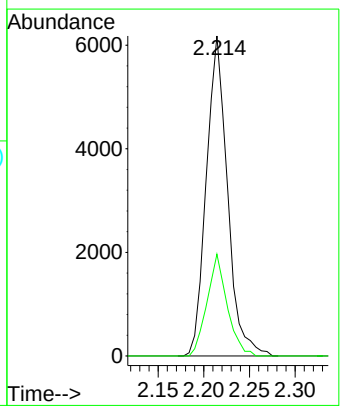


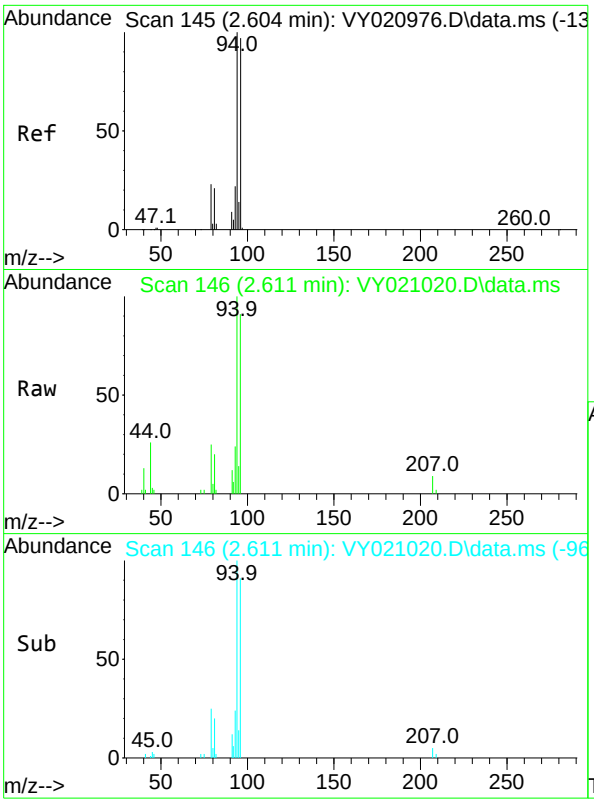


#4
Vinyl Chloride
Concen: 9.607 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 9942

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2



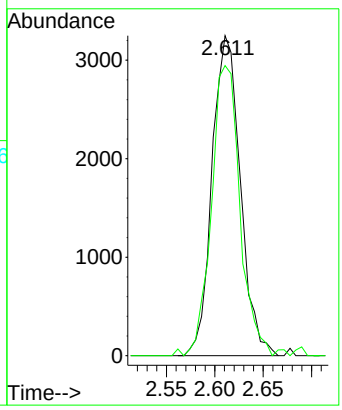


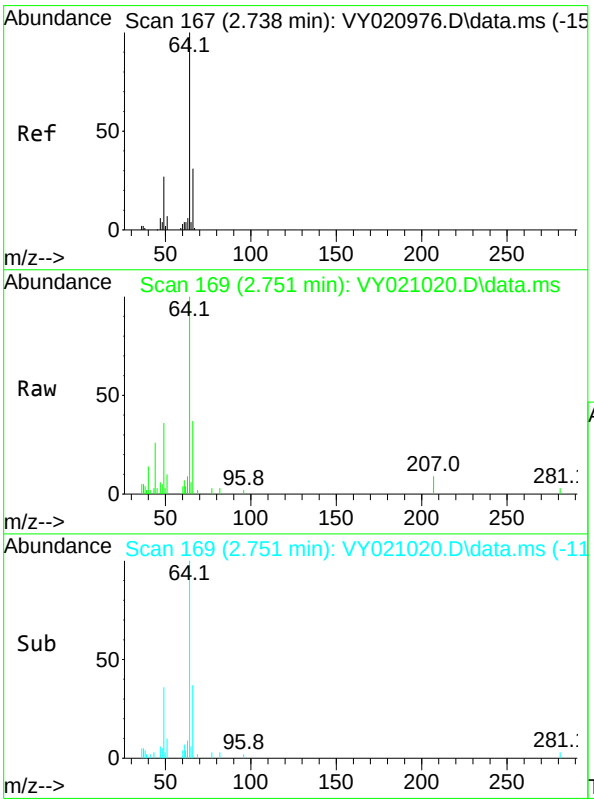
#5
Bromomethane
Concen: 9.426 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6604

Ion	Ratio	Lower	Upper
94	100		
96	88.9	77.4	116.0

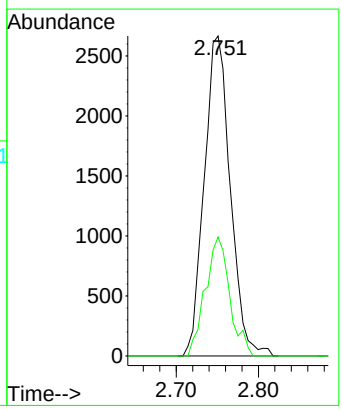


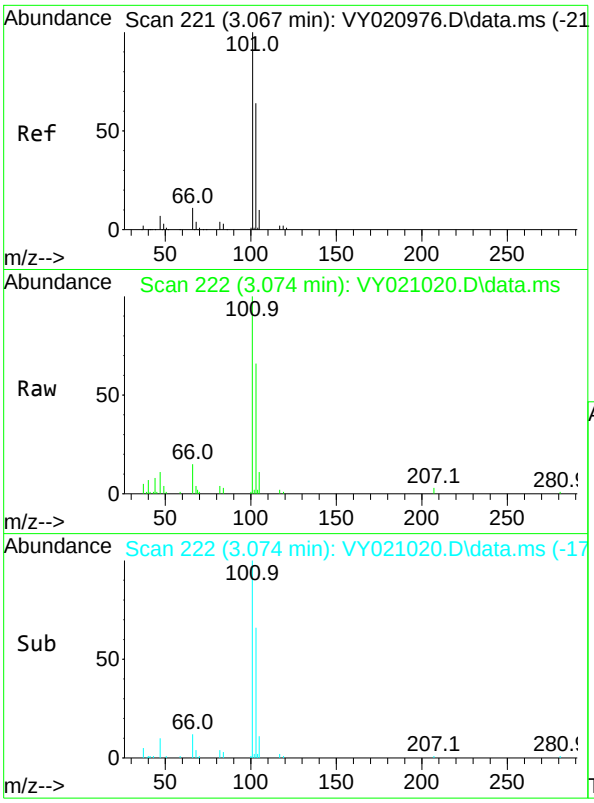


#6
Chloroethane
Concen: 9.698 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 64 Resp: 5863

Ion	Ratio	Lower	Upper
64	100		
66	37.1	25.0	37.4



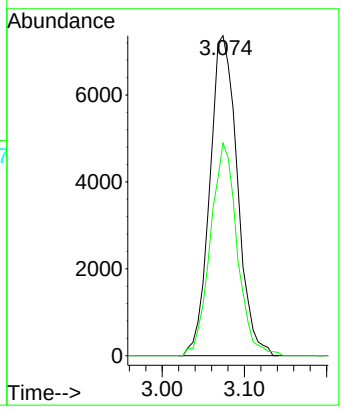


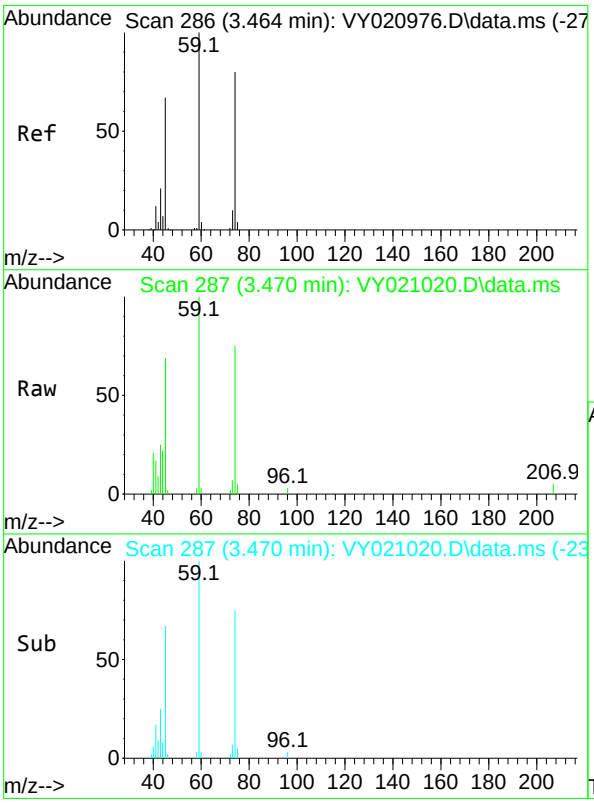
#7
Trichlorofluoromethane
Concen: 6.872 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17163

Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.9	76.3

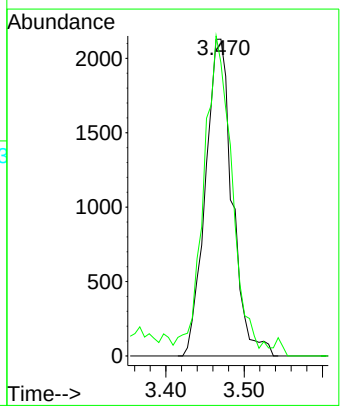


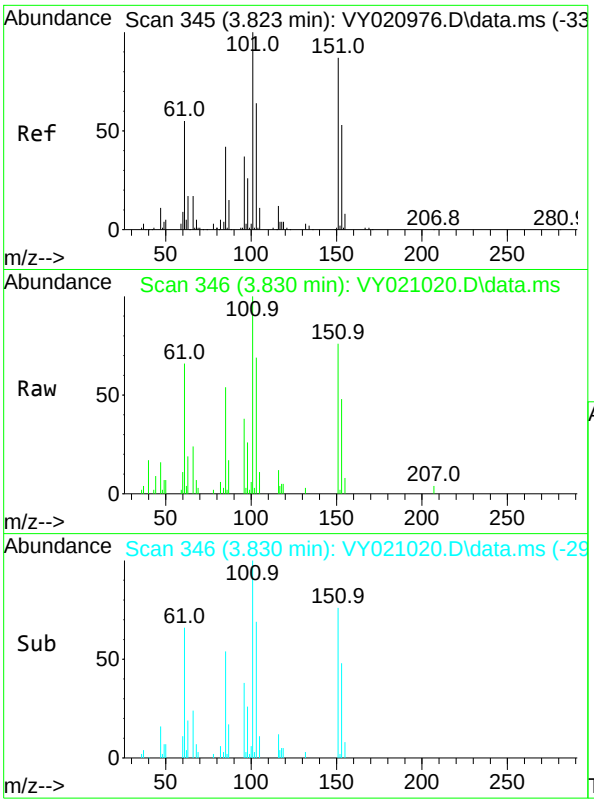


#8
Diethyl Ether
Concen: 6.827 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 74 Resp: 5090

Ion	Ratio	Lower	Upper
74	100		
45	107.1	43.4	130.2



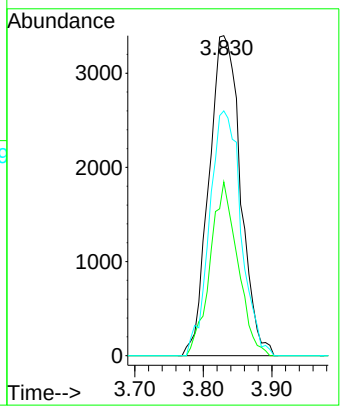


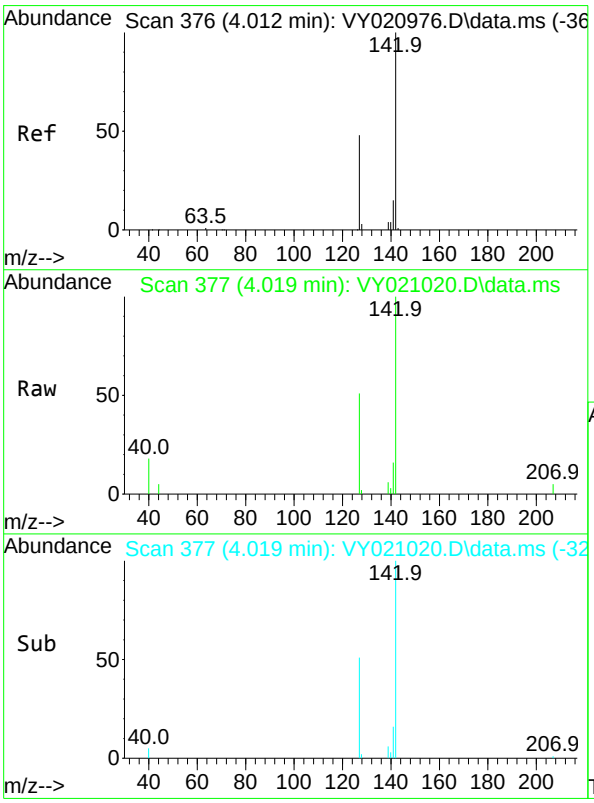
#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.476 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 10891

Ion	Ratio	Lower	Upper
101	100		
85	47.3	34.9	52.3
151	76.2	66.8	100.2

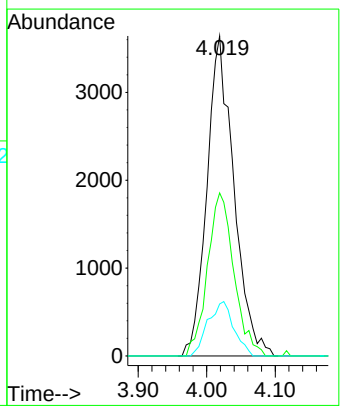


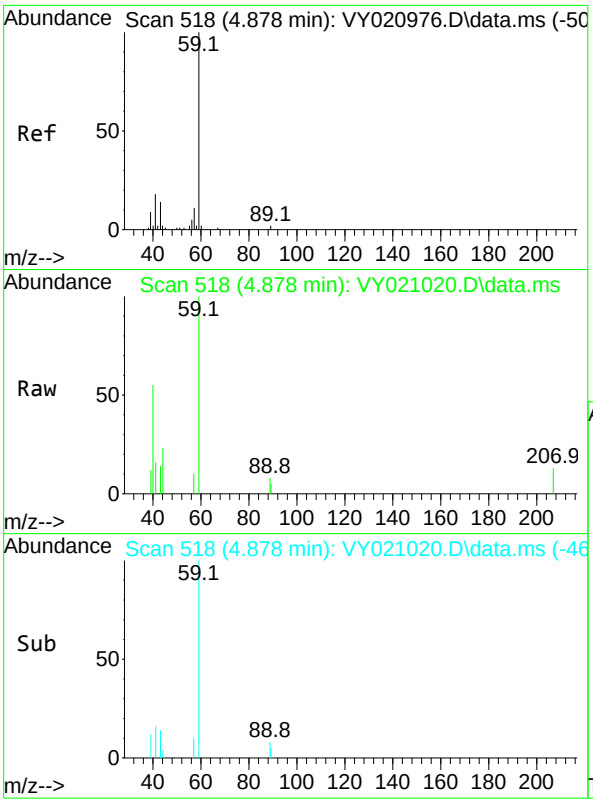


#10
Methyl Iodide
Concen: 5.156 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:142 Resp: 9923

Ion	Ratio	Lower	Upper
142	100		
127	50.1	38.9	58.3
141	16.3	11.7	17.5



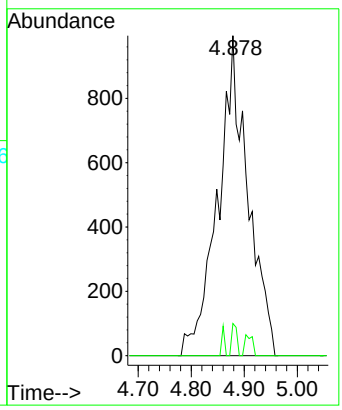


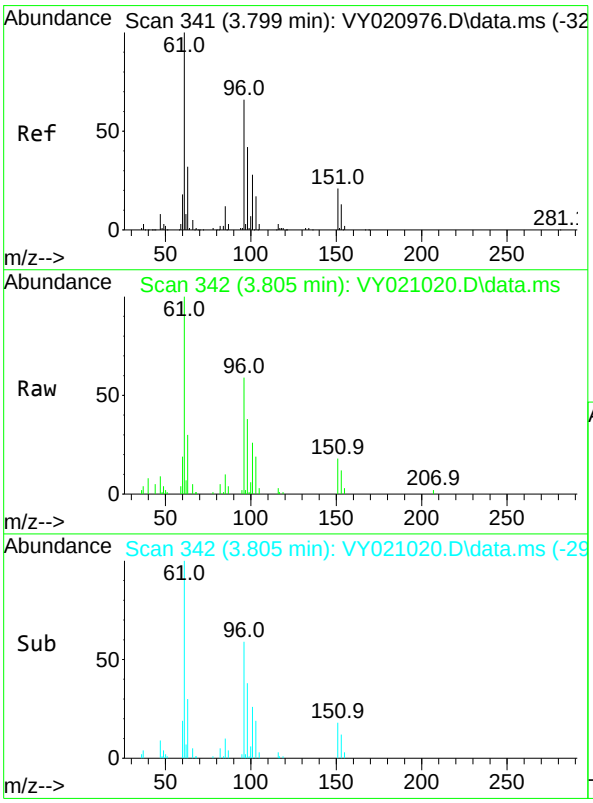
#11
Tert butyl alcohol
Concen: 33.712 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 3893

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

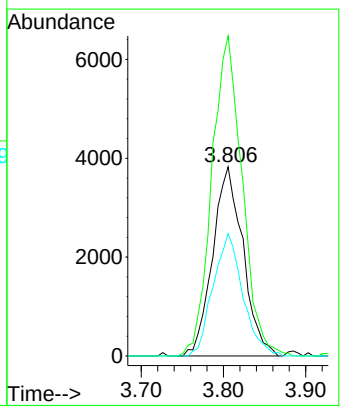


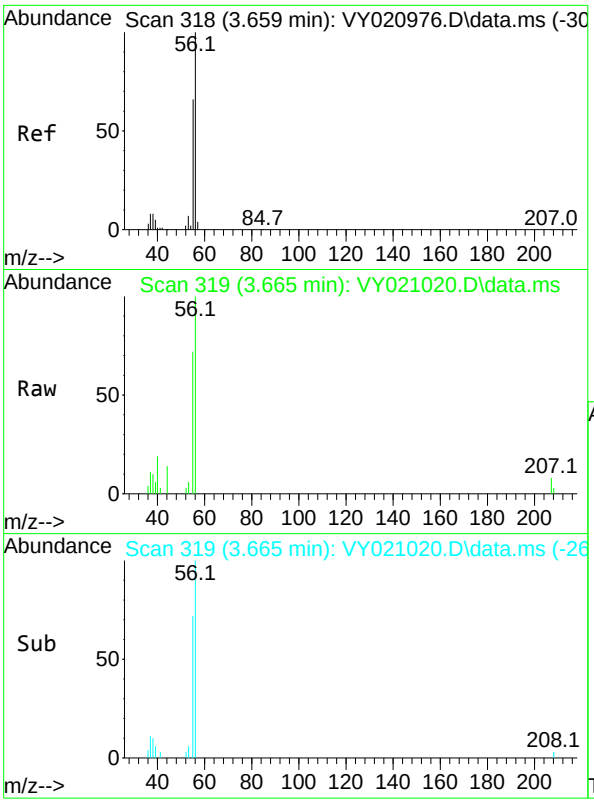


#12
1,1-Dichloroethene
Concen: 6.255 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 9831

Ion	Ratio	Lower	Upper
96	100		
61	169.2	120.8	181.2
98	64.7	50.6	76.0



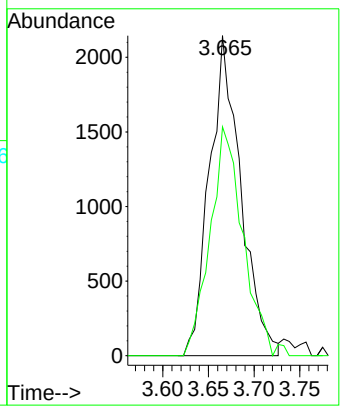


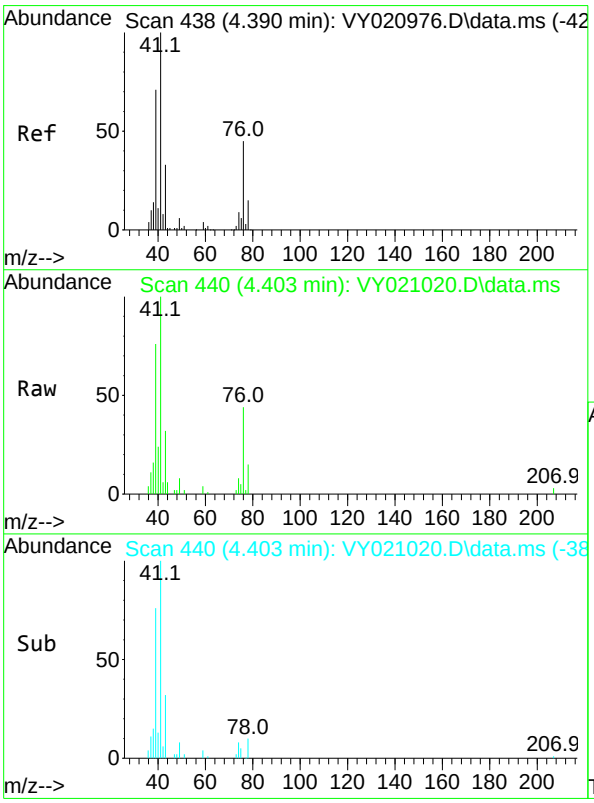
#13
Acrolein
Concen: 38.472 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 5116

Ion	Ratio	Lower	Upper
56	100		
55	75.4	56.1	84.1

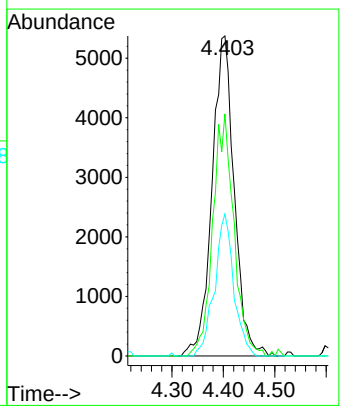


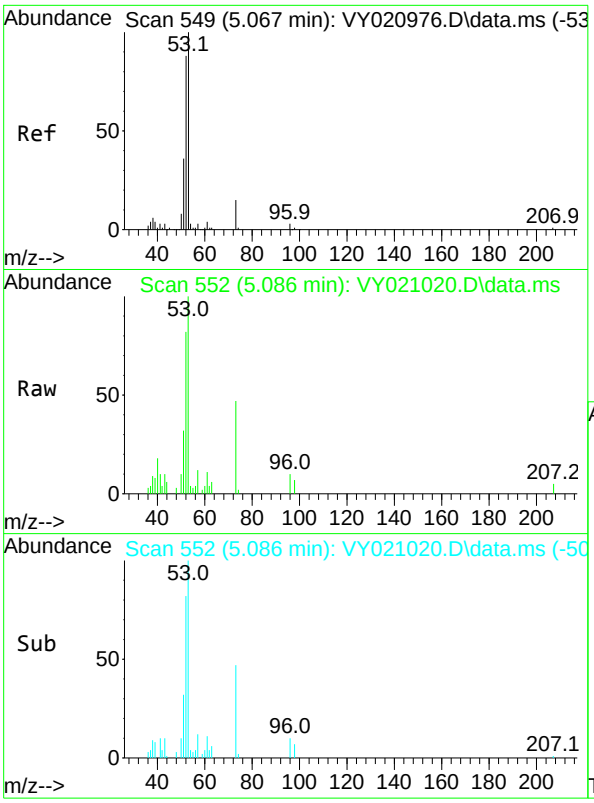


#14
Allyl chloride
Concen: 7.456 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 16131

Ion	Ratio	Lower	Upper
41	100		
39	71.9	53.5	80.3
76	38.4	34.6	52.0



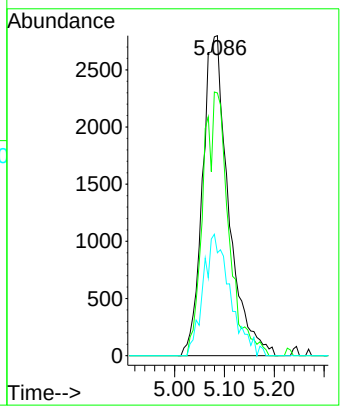


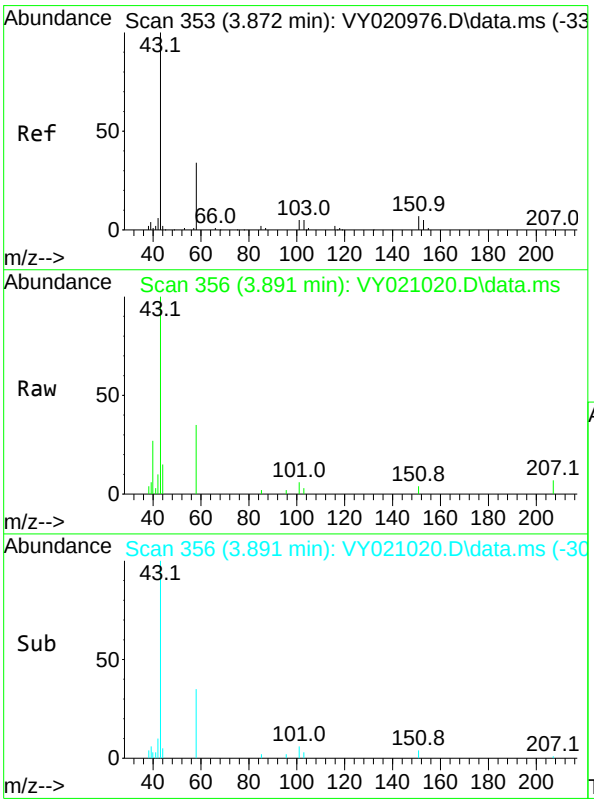
#15
Acrylonitrile
Concen: 33.047 ug/l
RT: 5.086 min Scan# 5
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 10135

Ion	Ratio	Lower	Upper
53	100		
52	50.1	66.2	99.4#
51	39.5	29.4	44.0

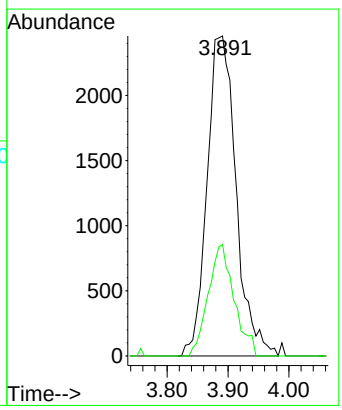


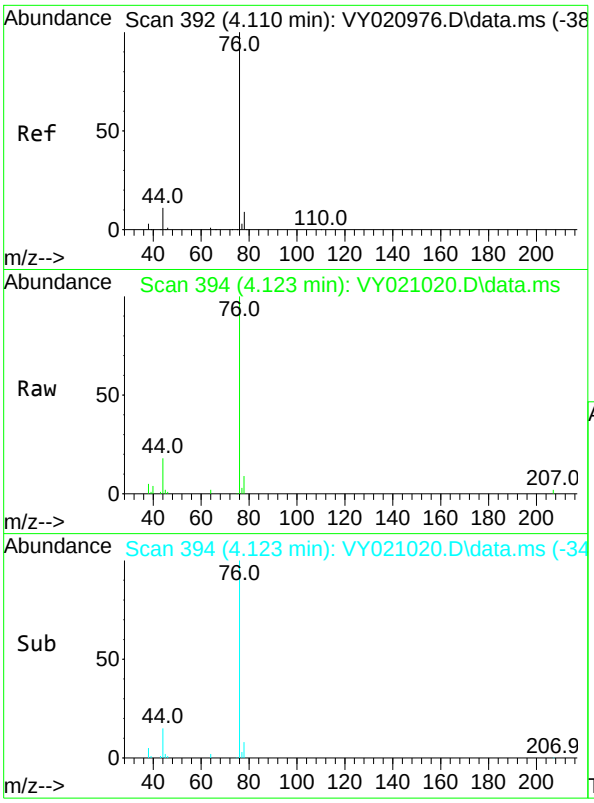


#16
Acetone
Concen: 37.678 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8118

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.4	42.6



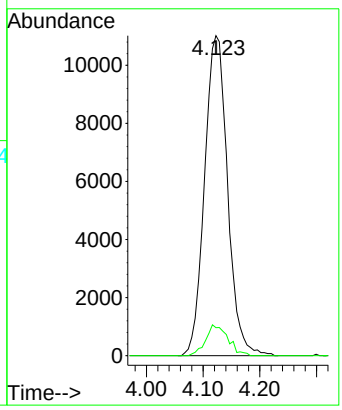


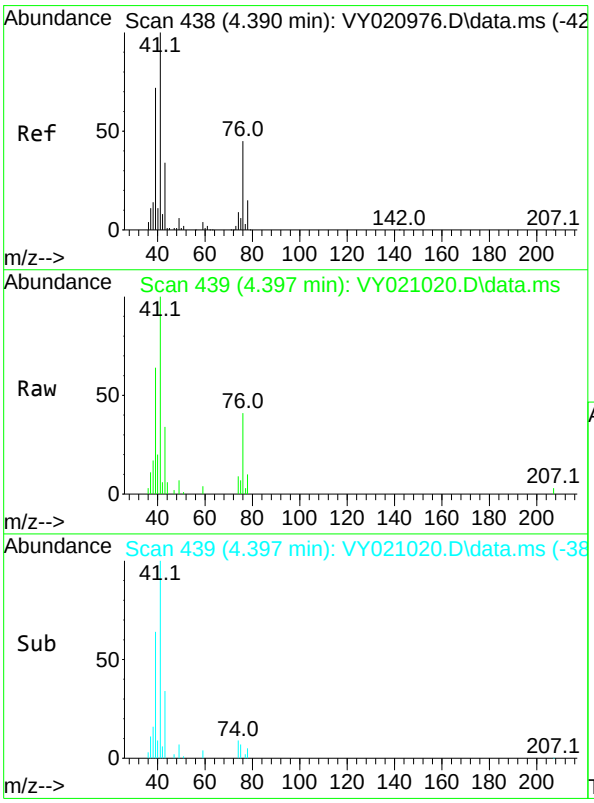
#17
Carbon Disulfide
Concen: 6.417 ug/l
RT: 4.123 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 31063

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

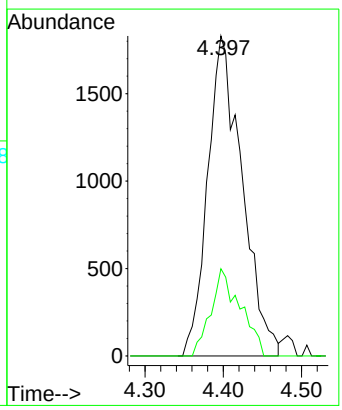


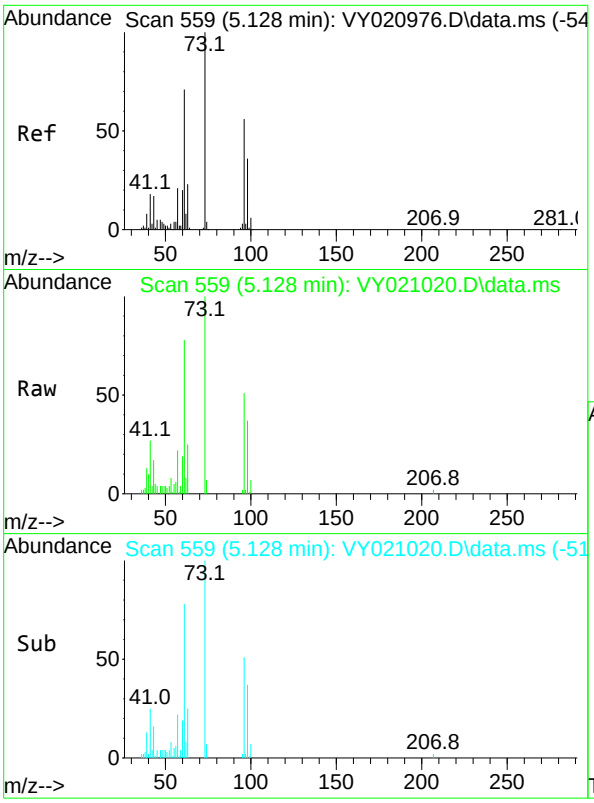


#18
Methyl Acetate
Concen: 7.397 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 5577

Ion	Ratio	Lower	Upper
43	100		
74	23.4	22.2	33.4



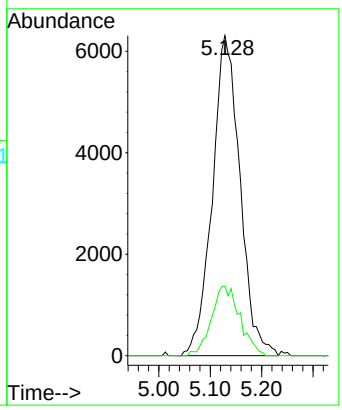


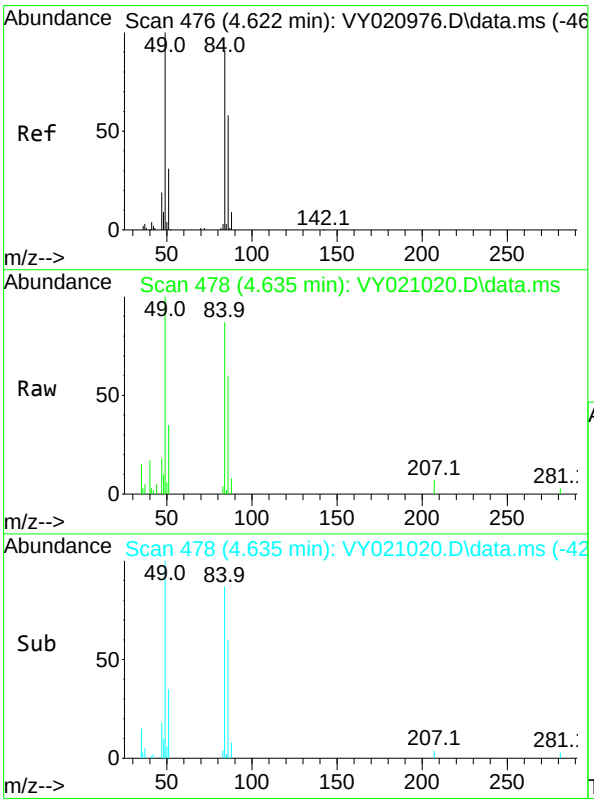
#19
Methyl tert-butyl Ether
Concen: 6.452 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 23603

Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.6	25.0

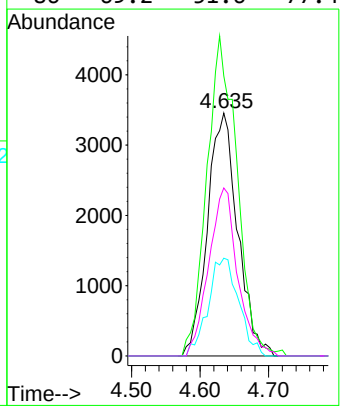


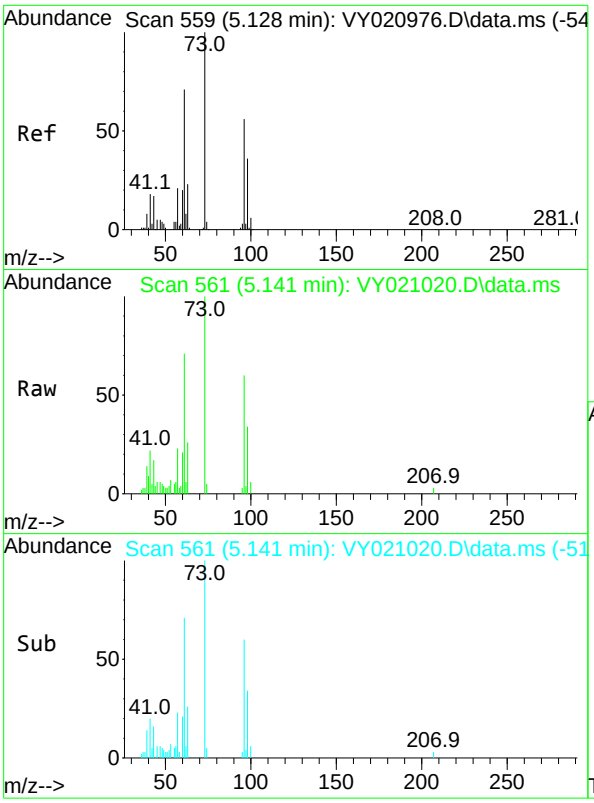


#20
Methylene Chloride
Concen: 6.661 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 84 Resp: 10585

Ion	Ratio	Lower	Upper
84	100		
49	115.3	88.3	132.5
51	40.2	27.7	41.5
86	69.2	51.6	77.4



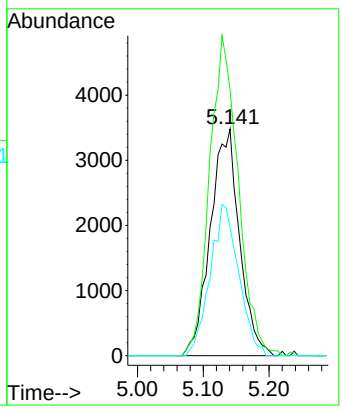


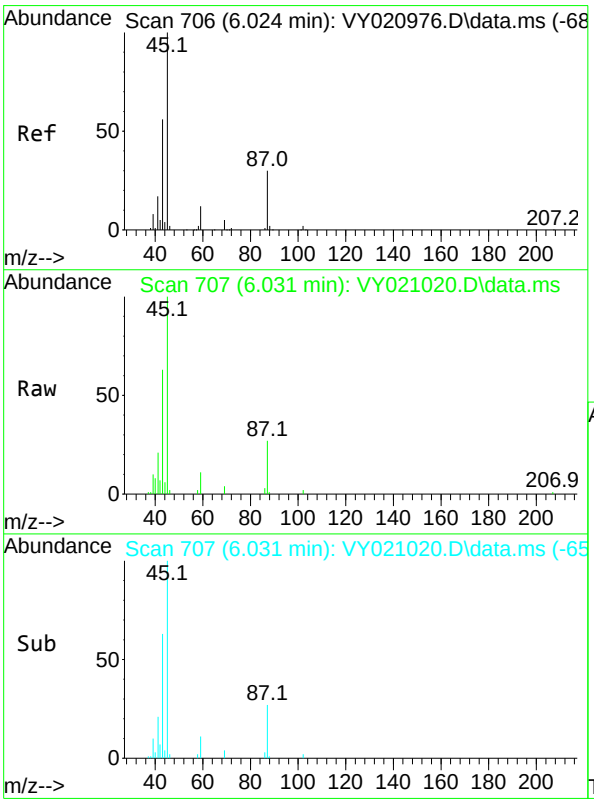
#21
trans-1,2-Dichloroethene
Concen: 6.364 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10724

Ion	Ratio	Lower	Upper
96	100		
61	117.6	101.5	152.3
98	56.8	52.0	78.0

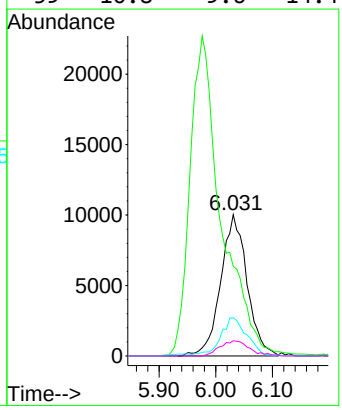


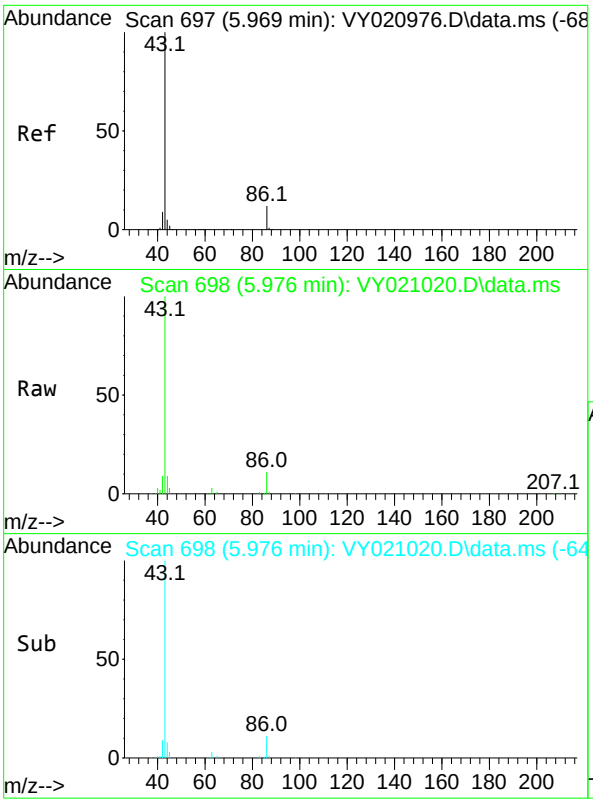


#22
Diisopropyl ether
Concen: 7.329 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 45 Resp: 32323

Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.1	67.7
87	26.3	25.0	37.4
59	10.8	9.6	14.4



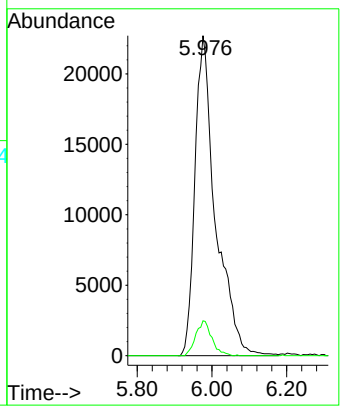


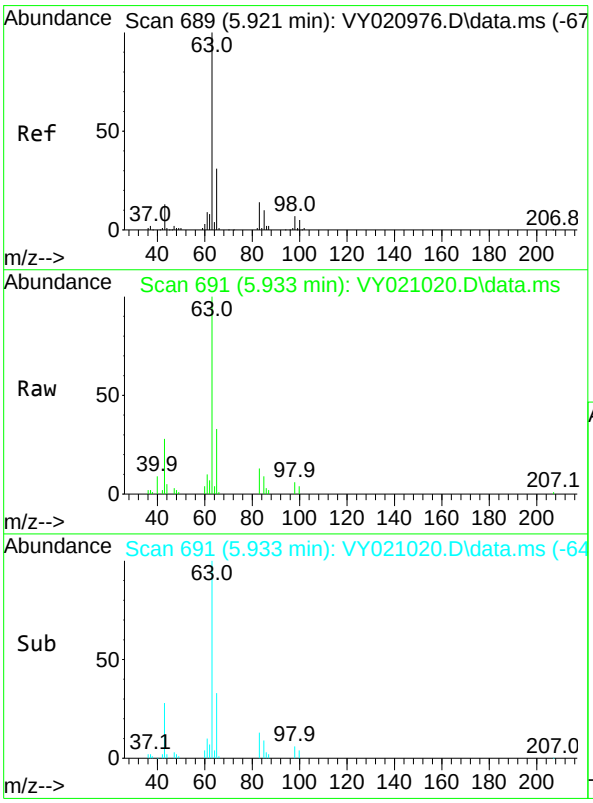
#23
Vinyl Acetate
Concen: 35.621 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 87000

Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.7	14.5

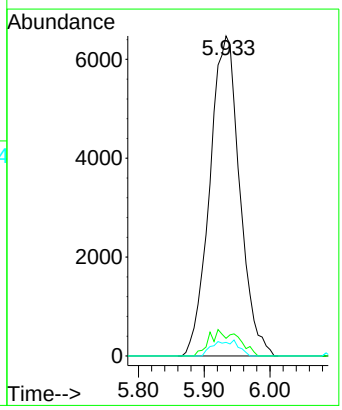


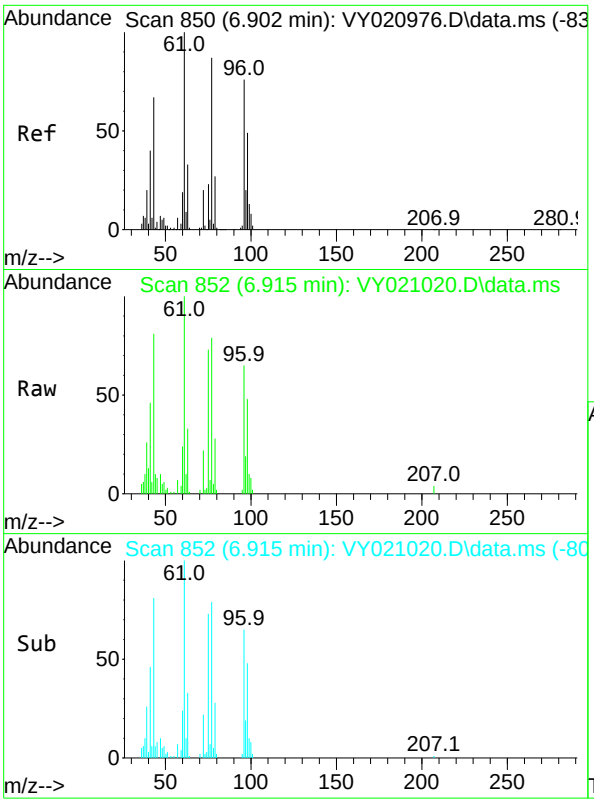


#24
1,1-Dichloroethane
Concen: 7.202 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 20490

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.7	11.1
100	4.3	2.4	7.2



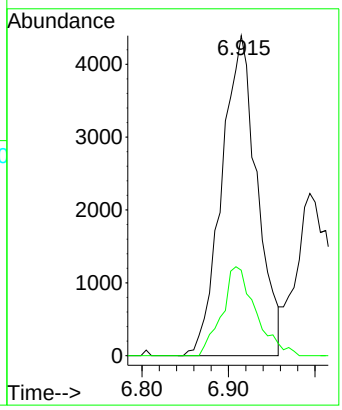


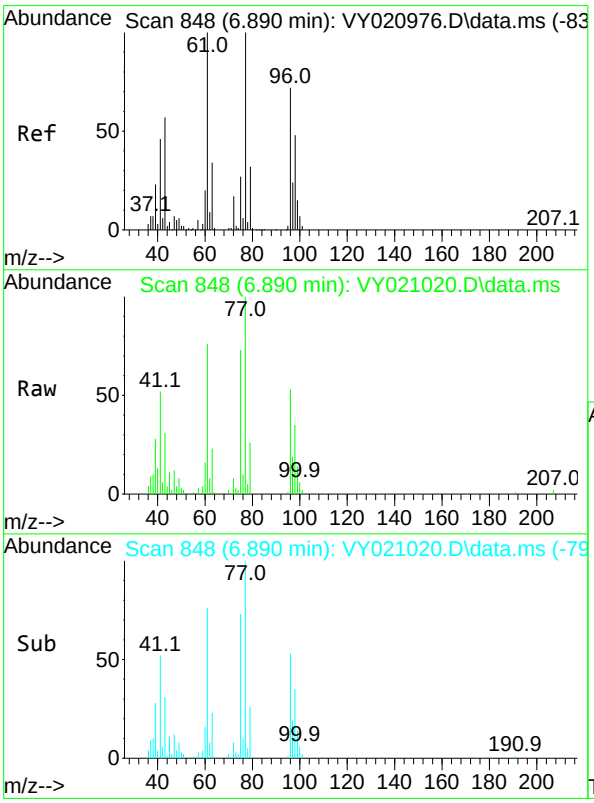
#25
2-Butanone
Concen: 34.105 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12466

Ion	Ratio	Lower	Upper
43	100		
72	26.7	24.3	36.5

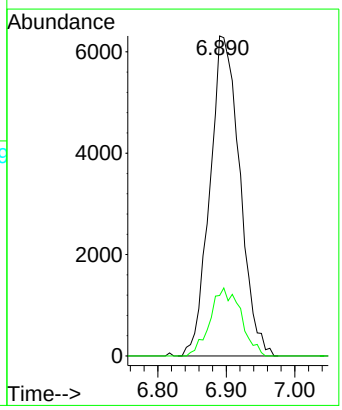


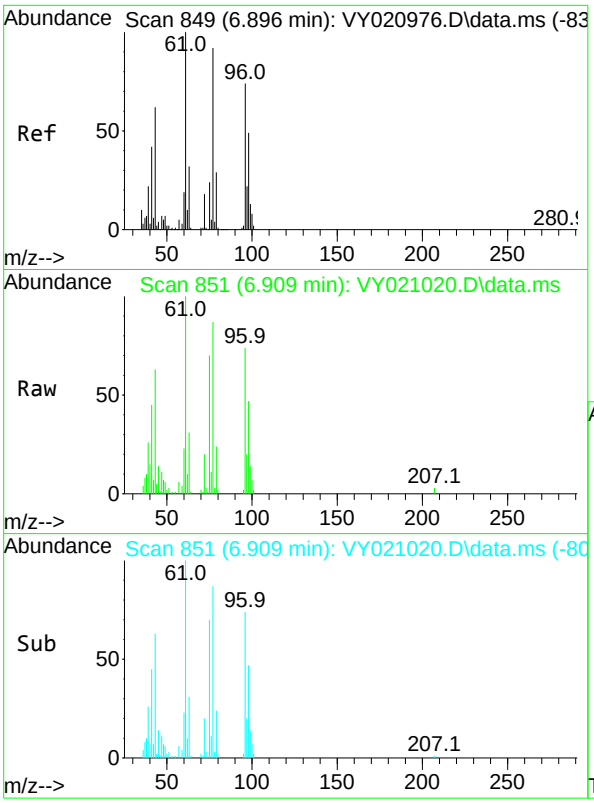


#26
2,2-Dichloropropane
Concen: 6.834 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 77 Resp: 19144

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.4	34.2



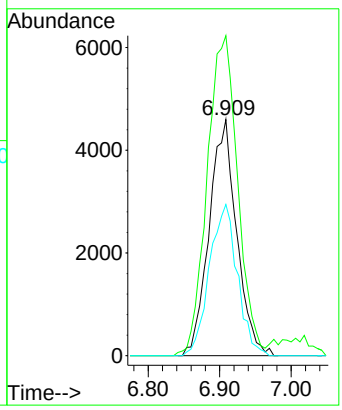


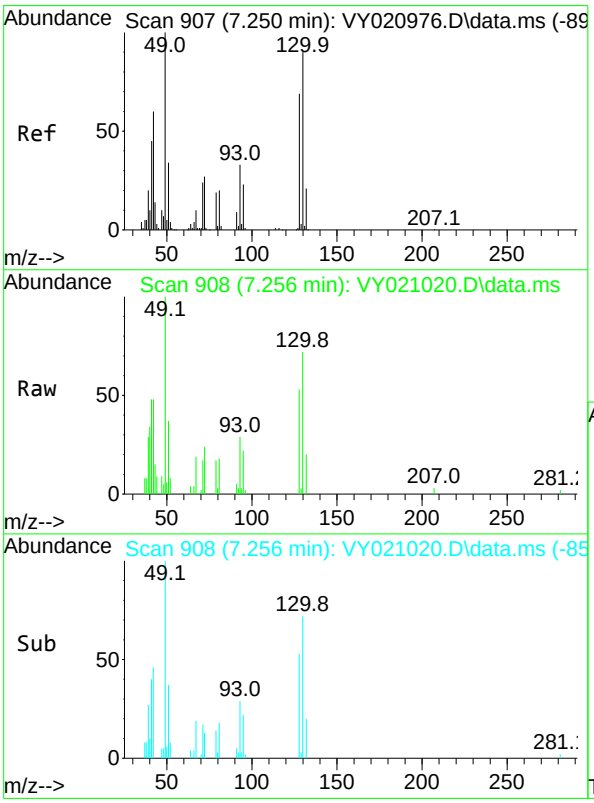
#27
cis-1,2-Dichloroethene
Concen: 6.350 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 12299

Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	274.0
98	65.1	0.0	130.4

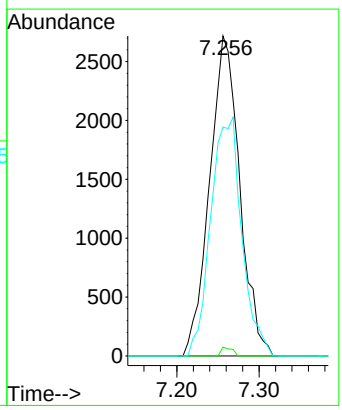


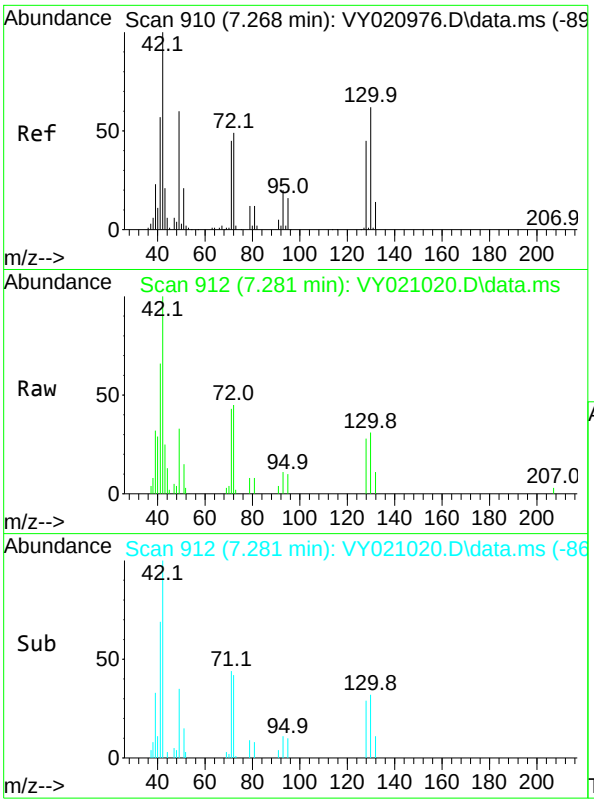


#28
Bromochloromethane
Concen: 6.527 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 49 Resp: 6919

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	5.0
130	76.6	73.2	109.8



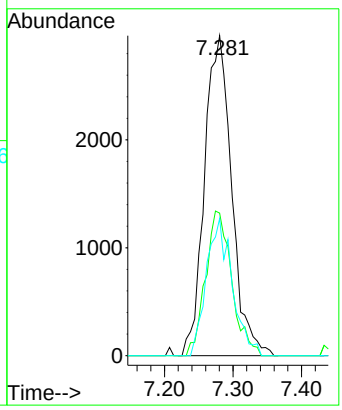


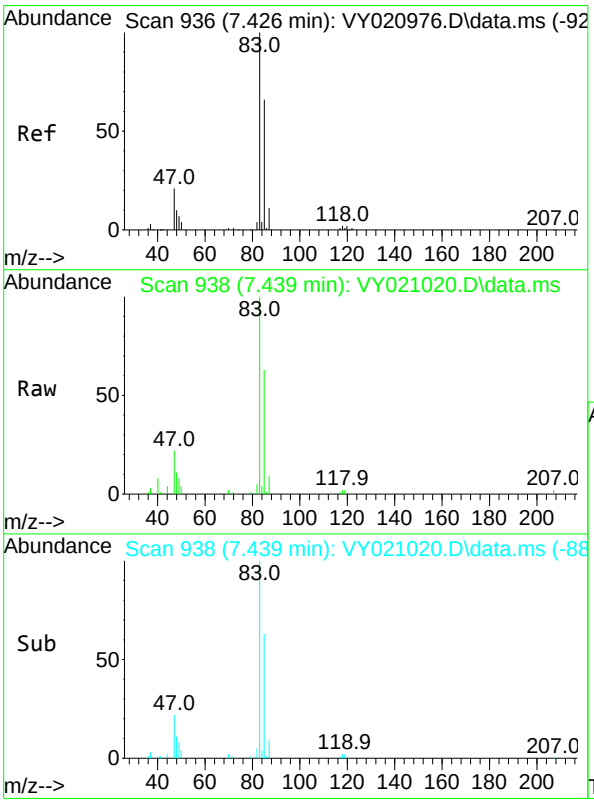
#29
Tetrahydrofuran
Concen: 33.310 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 8193

Ion	Ratio	Lower	Upper
42	100		
72	43.4	39.3	58.9
71	40.6	36.1	54.1

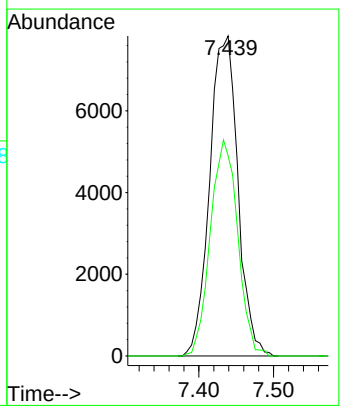


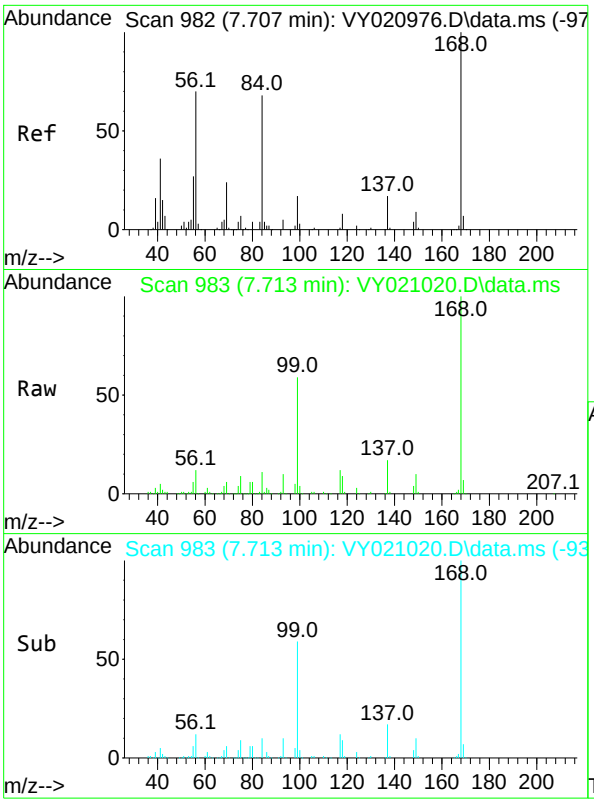


#30
Chloroform
Concen: 6.669 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 20552

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.9	79.3



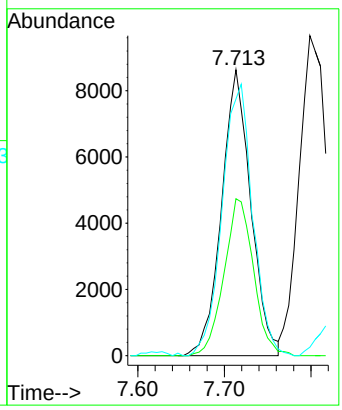


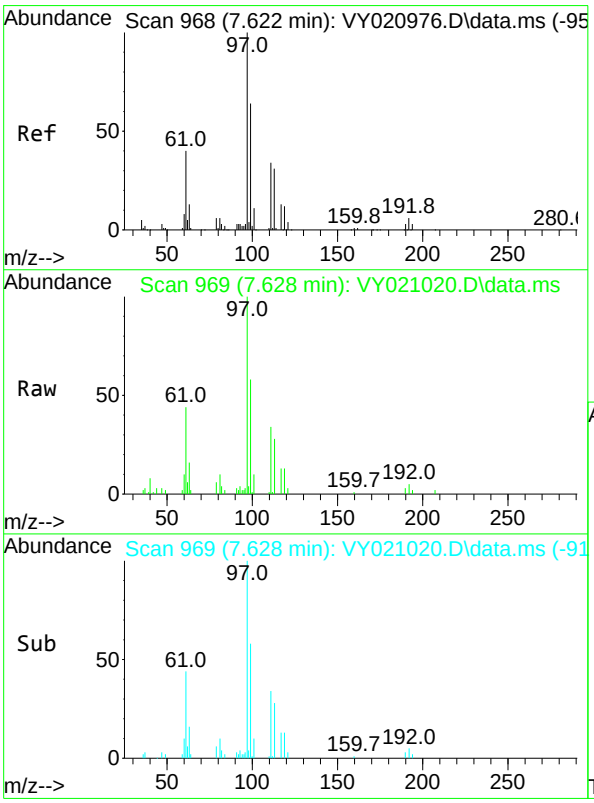
#31
Cyclohexane
Concen: 7.295 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 20287

Ion	Ratio	Lower	Upper
56	100		
69	54.9	27.7	41.5#
84	88.9	77.5	116.3

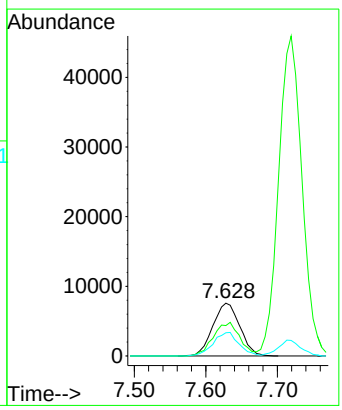


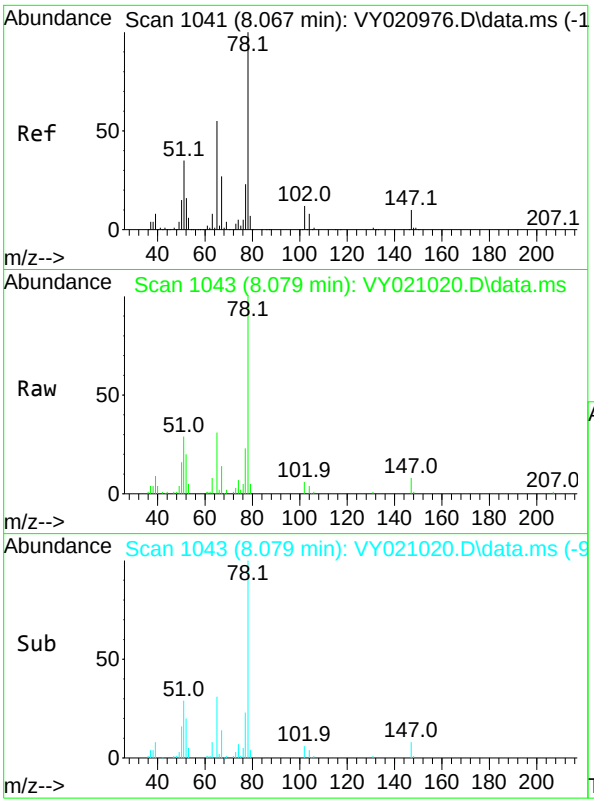


#32
1,1,1-Trichloroethane
Concen: 6.645 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 19818

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.0
61	42.5	31.4	47.0



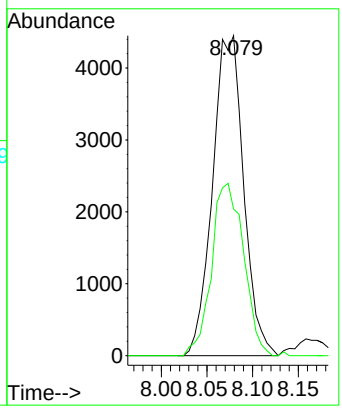


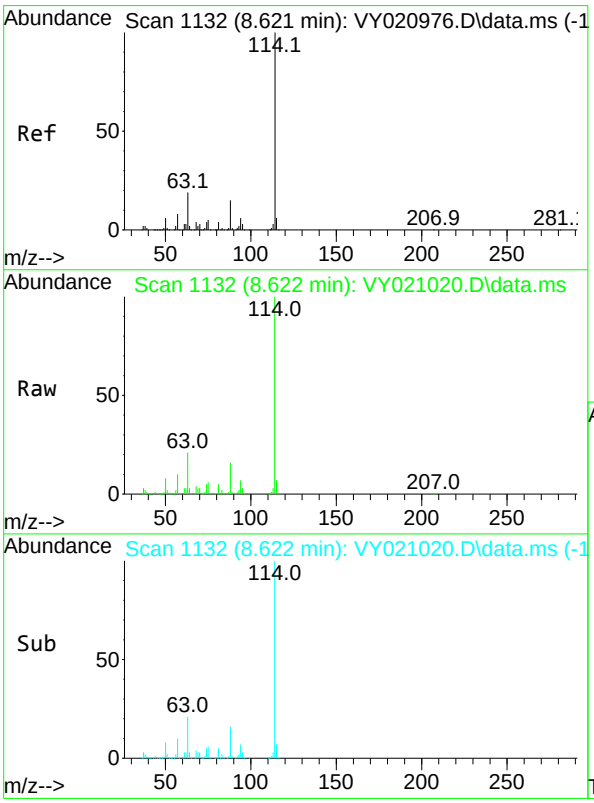
#33
1,2-Dichloroethane-d4
Concen: 6.651 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 10514

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	104.4

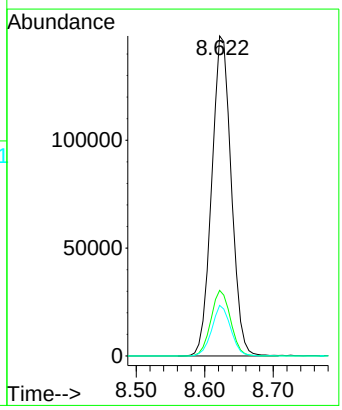


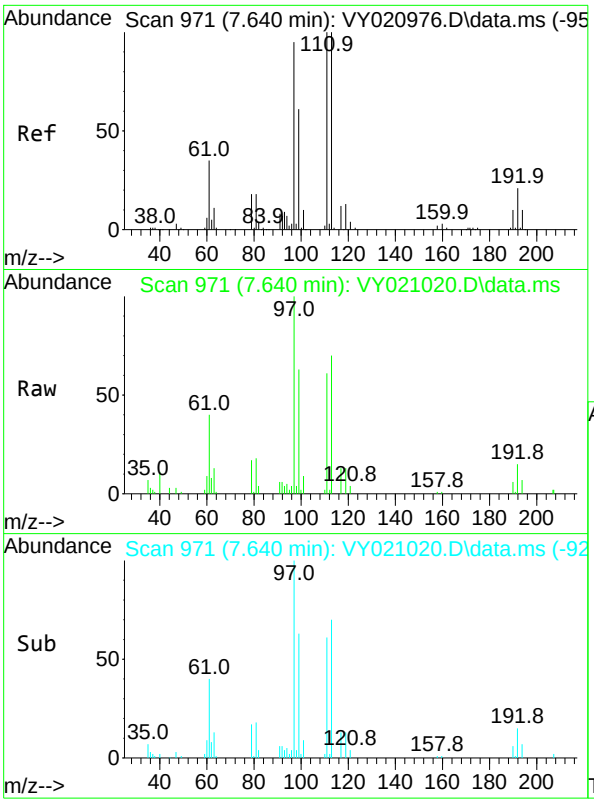


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:114 Resp: 293189

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	37.2
88	15.8	0.0	29.6



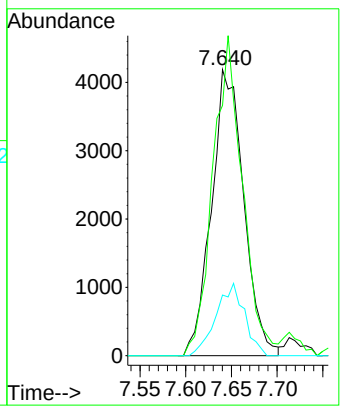


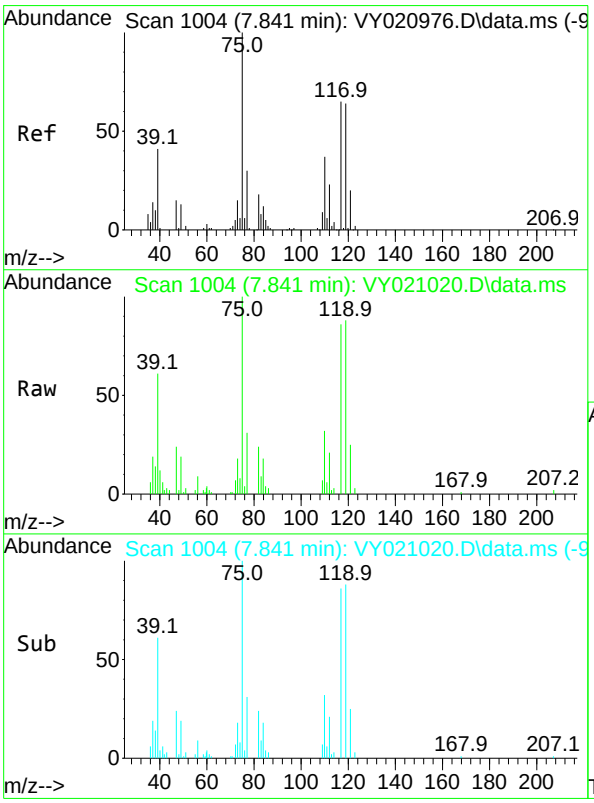
#35
Dibromofluoromethane
Concen: 5.840 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10294

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	22.3	16.8	25.2

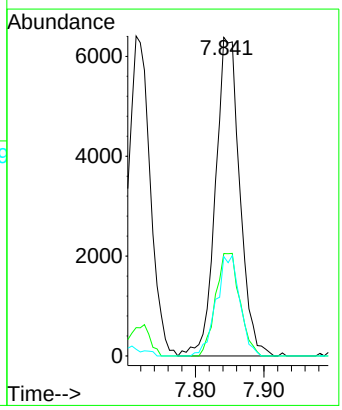


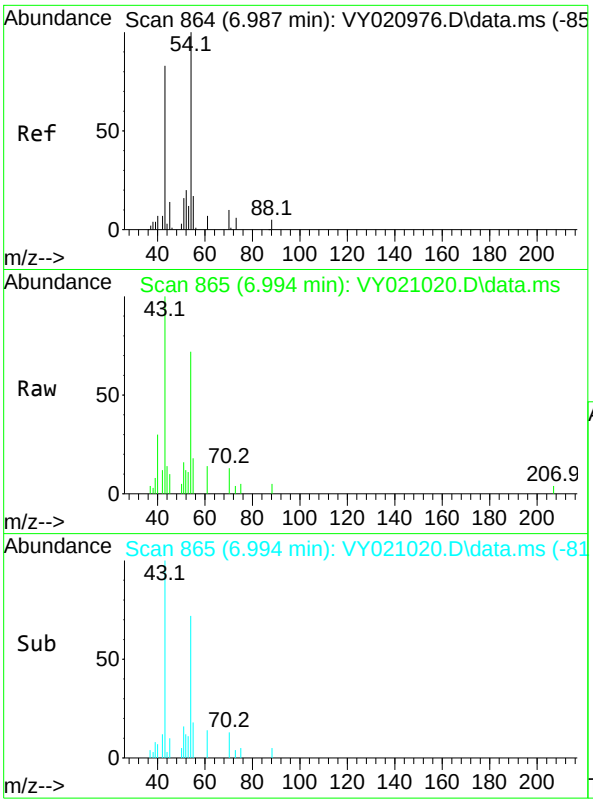


#36
1,1-Dichloropropene
Concen: 6.231 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15667

Ion	Ratio	Lower	Upper
75	100		
110	31.9	18.4	55.2
77	30.6	24.9	37.3



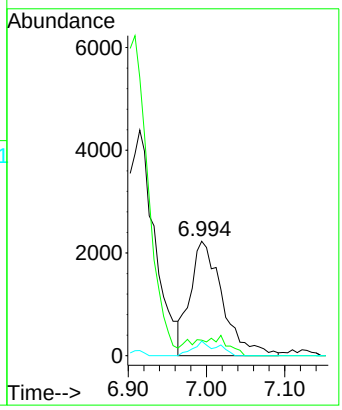


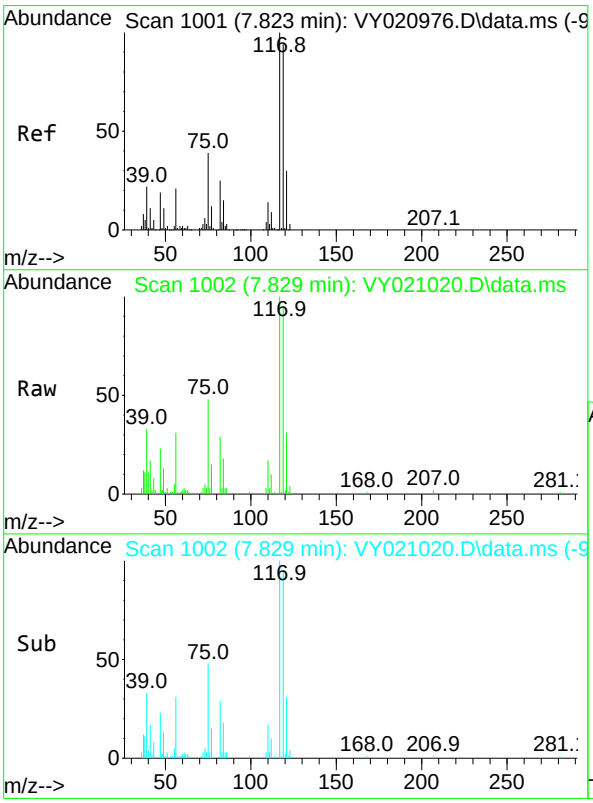
#37
Ethyl Acetate
Concen: 6.809 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 6383

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	6.2	9.6	14.4#

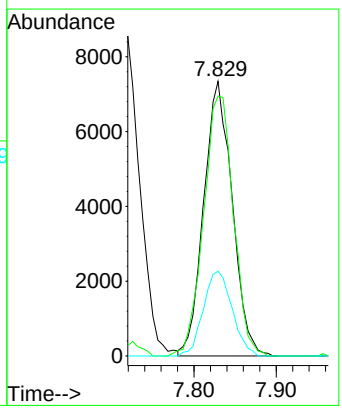


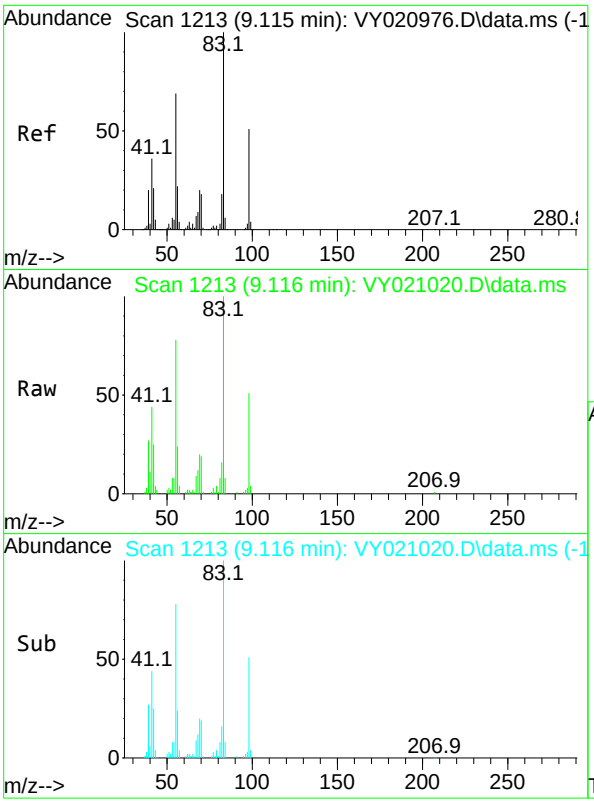


#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 17709

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.0	112.6
121	30.9	24.2	36.2



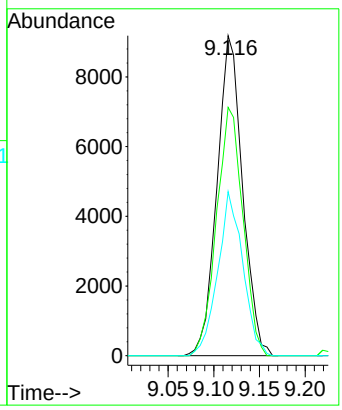


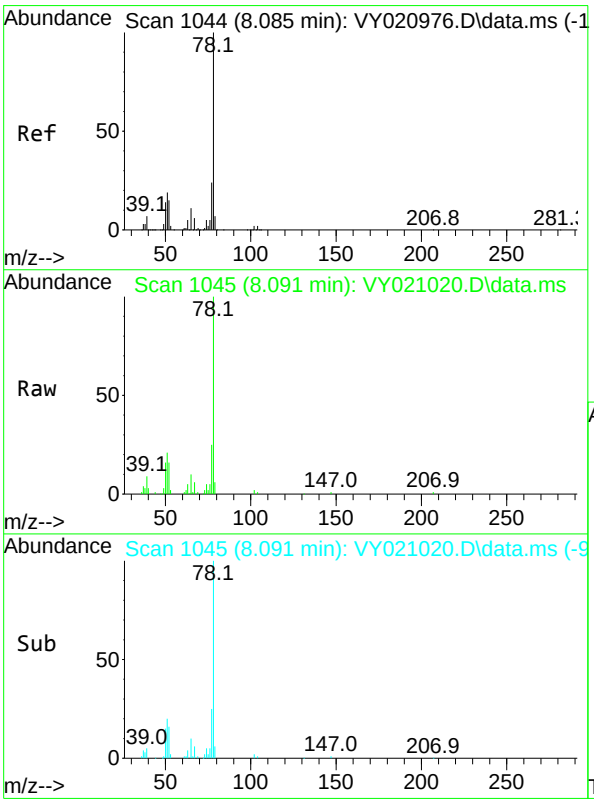
#39
Methylcyclohexane
Concen: 5.287 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 17860

Ion	Ratio	Lower	Upper
83	100		
55	77.6	54.9	82.3
98	51.3	40.5	60.7

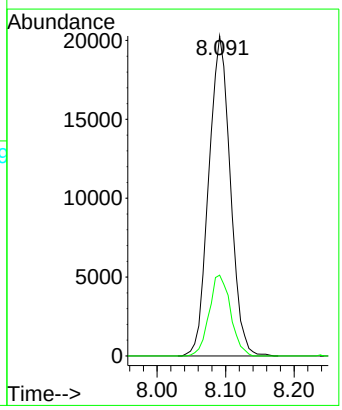


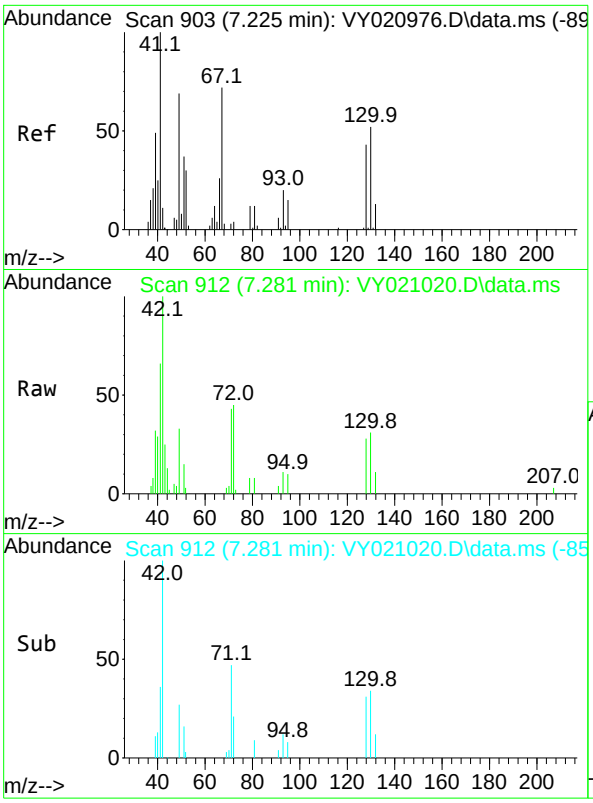


#40
Benzene
Concen: 5.991 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 78 Resp: 44324

Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.2



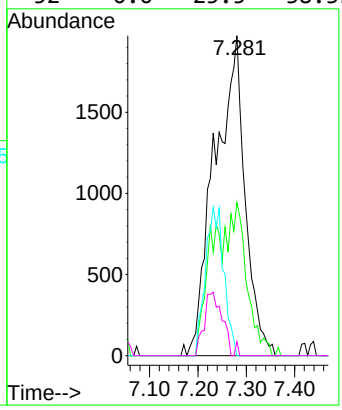


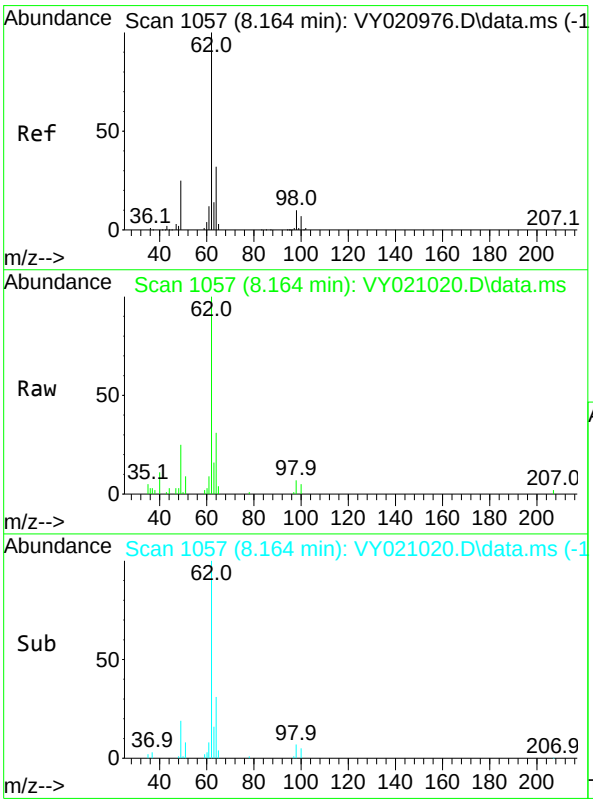
#41
Methacrylonitrile
Concen: 16.526 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.055 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 8572

Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.6	62.4#
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#

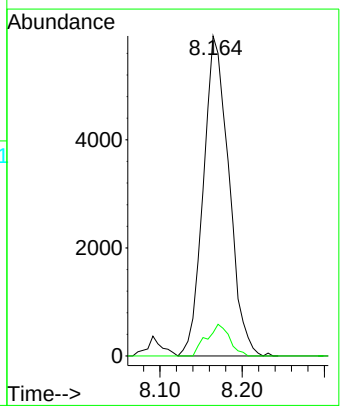


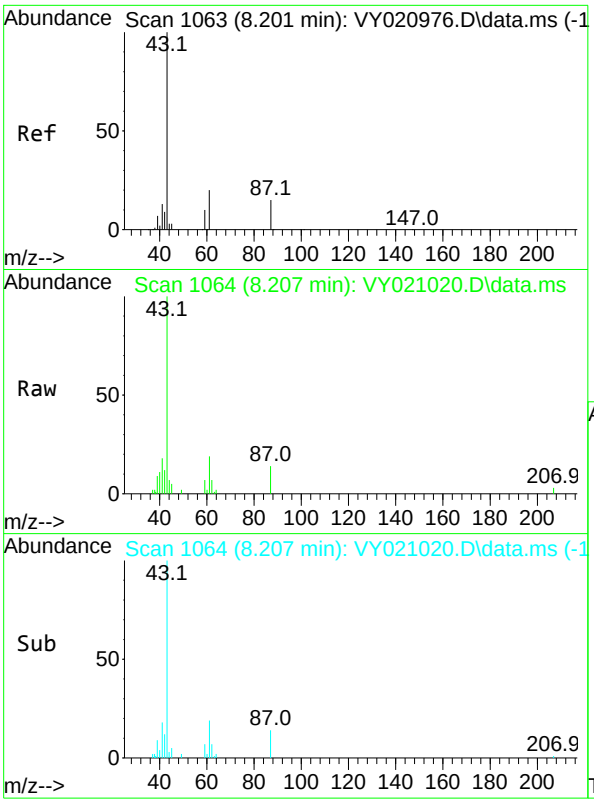


#42
1,2-Dichloroethane
Concen: 6.801 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 12762

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4



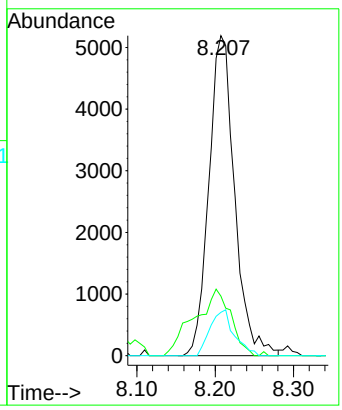


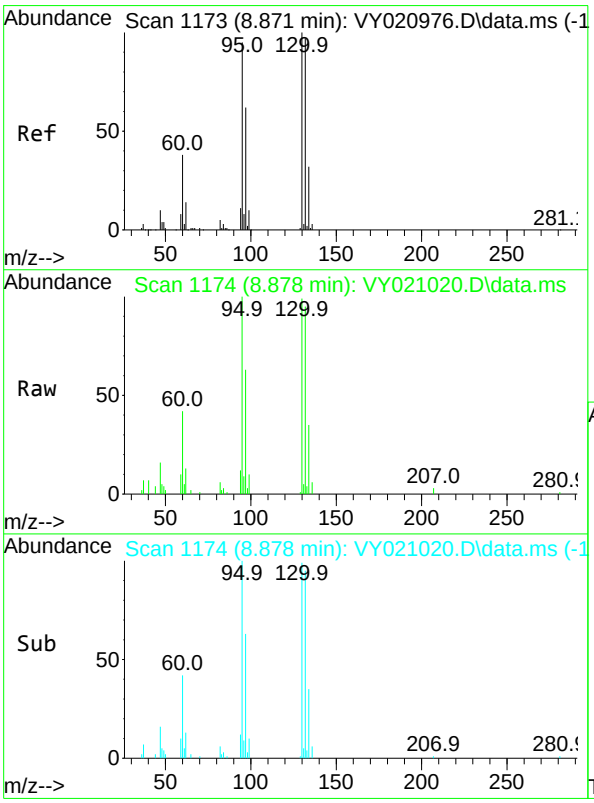
#43
Isopropyl Acetate
Concen: 6.321 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11839

Ion	Ratio	Lower	Upper
43	100		
61	29.5	15.8	23.6#
87	13.3	12.5	18.7

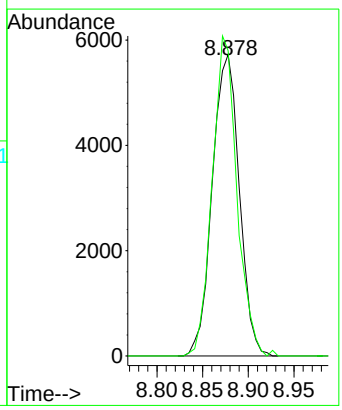


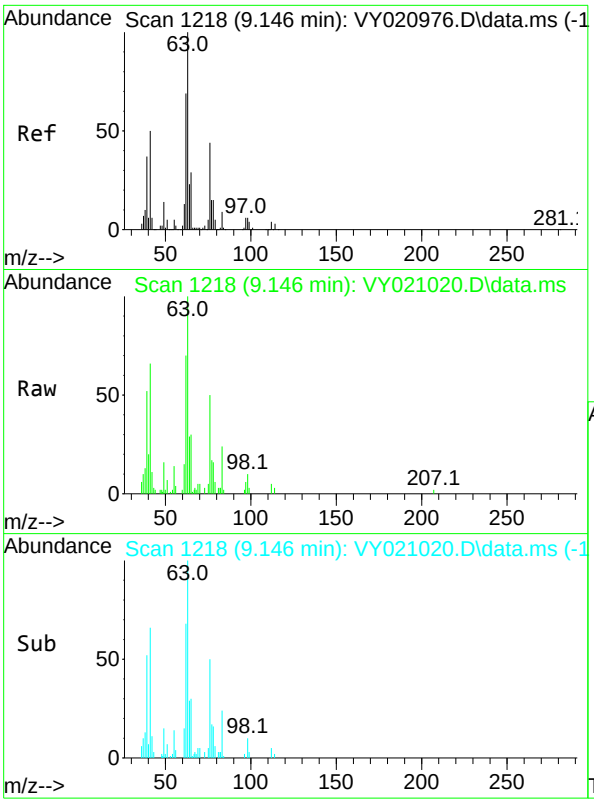


#44
Trichloroethene
Concen: 5.756 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:130 Resp: 11751

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	189.6



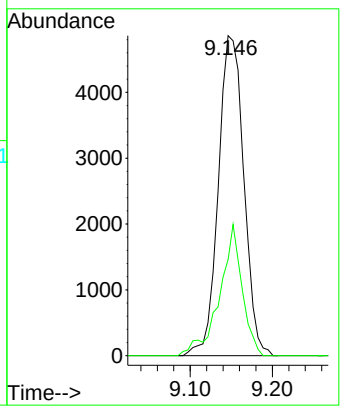


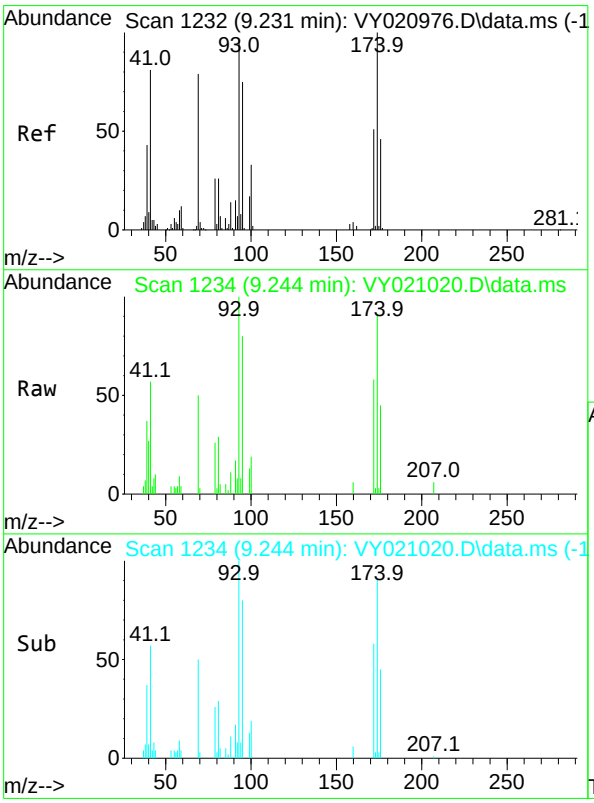
#45
1,2-Dichloropropane
Concen: 6.318 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 10477

Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.6	35.4

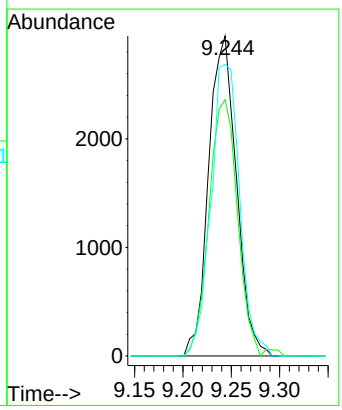


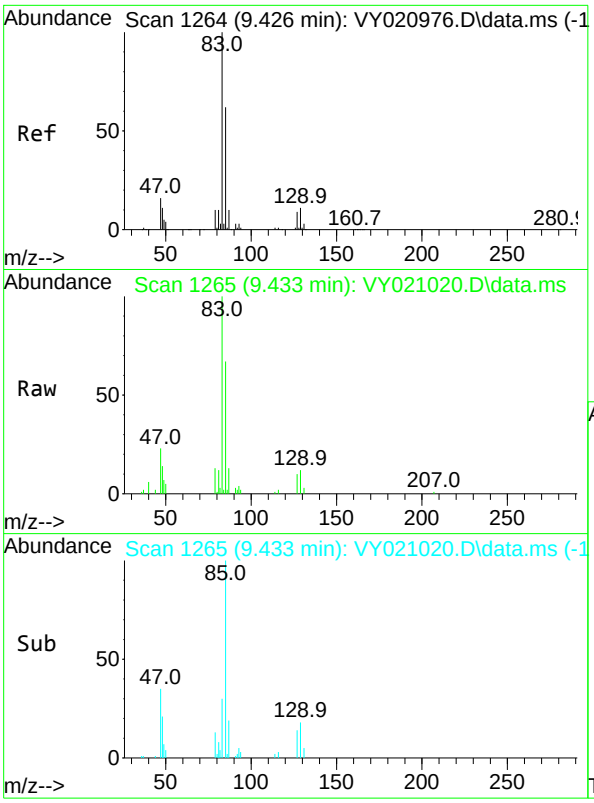


#46
Dibromomethane
Concen: 6.098 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 93 Resp: 5885

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	94.4	88.1	132.1



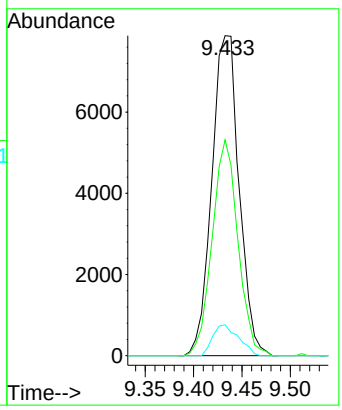


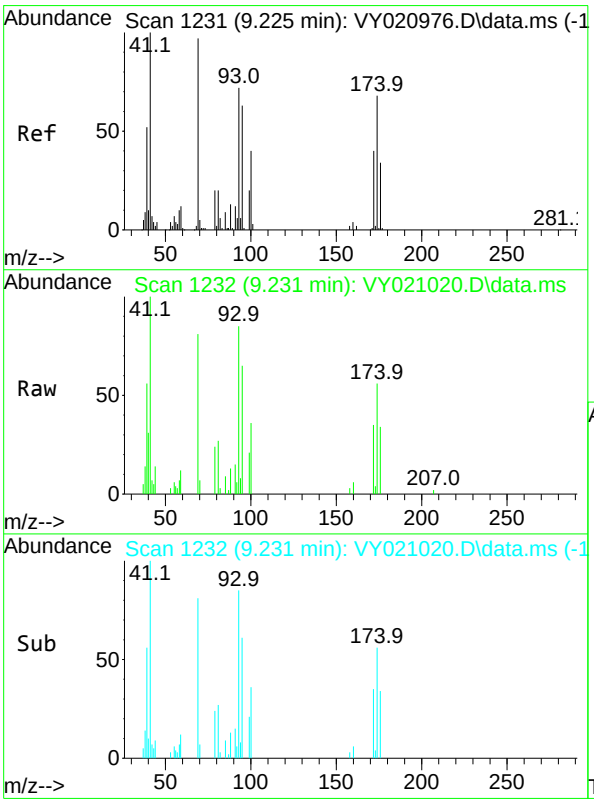
#47
Bromodichloromethane
Concen: 6.107 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15477

Ion	Ratio	Lower	Upper
83	100		
85	67.5	49.6	74.4
127	9.6	7.1	10.7

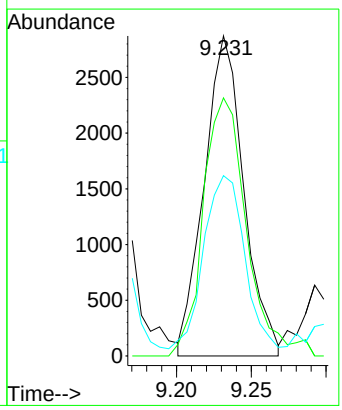


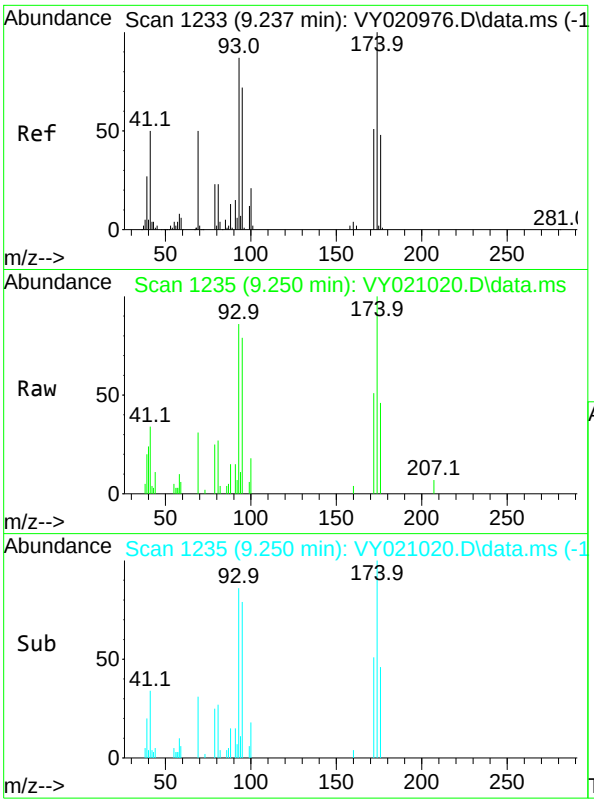


#48
Methyl methacrylate
Concen: 5.922 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 5280

Ion	Ratio	Lower	Upper
41	100		
69	88.4	75.6	113.4
39	56.6	41.3	61.9



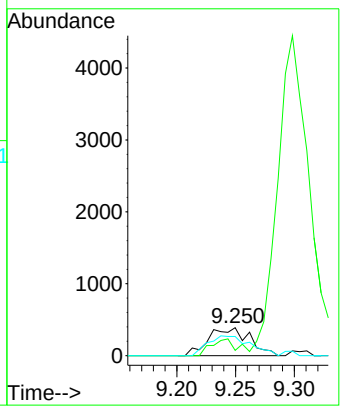


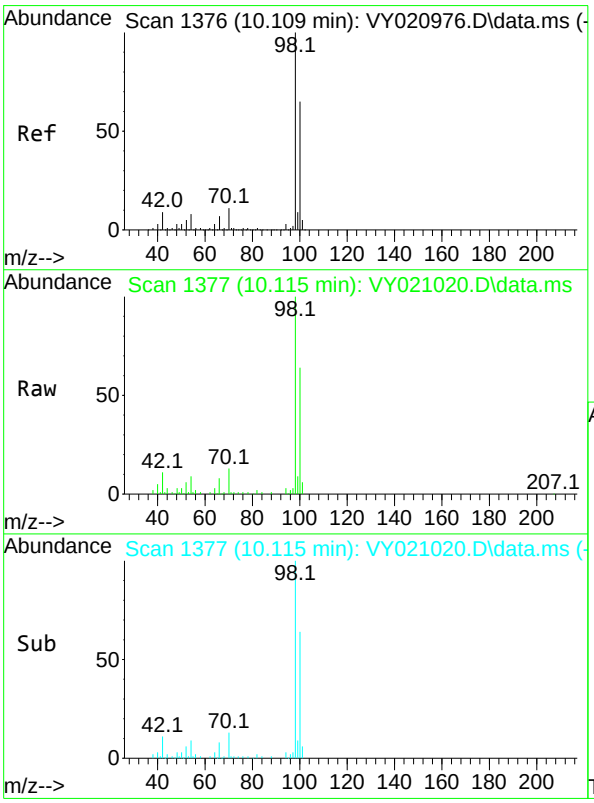
#49
1,4-Dioxane
Concen: 91.663 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 940

Ion	Ratio	Lower	Upper
88	100		
43	39.6	24.2	36.4#
58	73.5	57.3	85.9

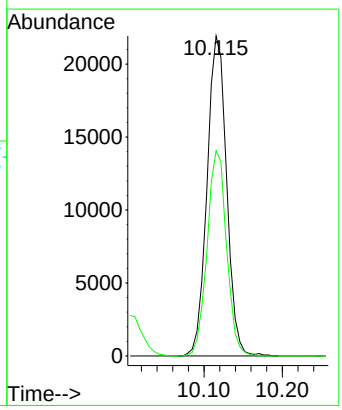


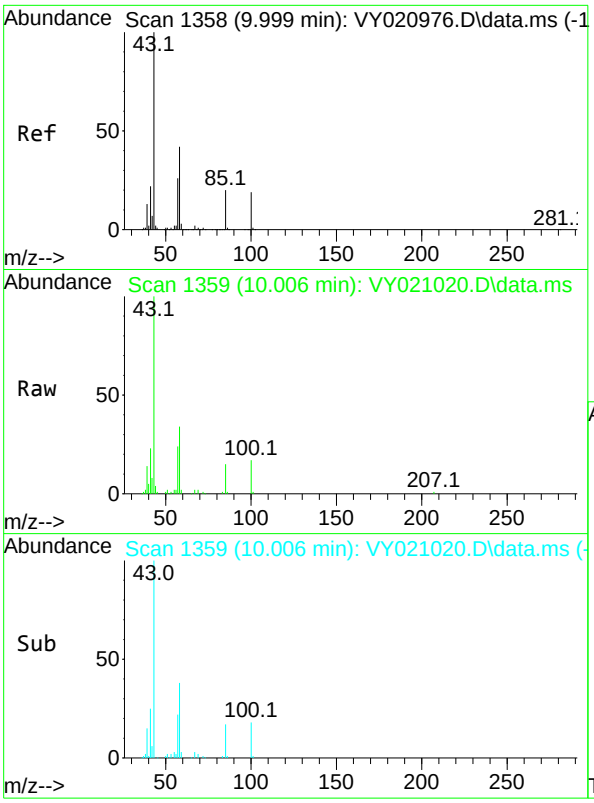


#50
Toluene-d8
Concen: 5.520 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 98 Resp: 37973

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0



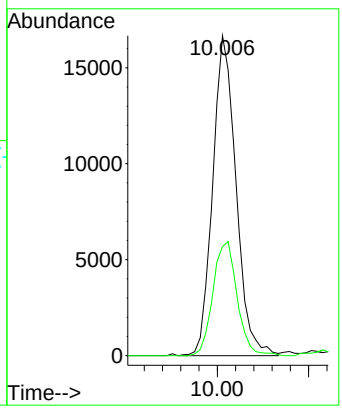


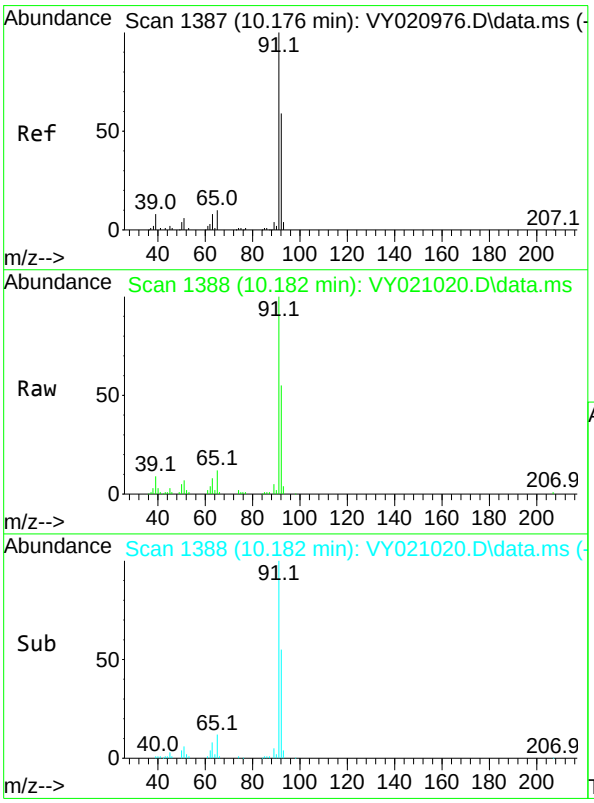
#51
4-Methyl-2-Pentanone
Concen: 30.730 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29573

Ion	Ratio	Lower	Upper
43	100		
58	36.9	33.8	50.8

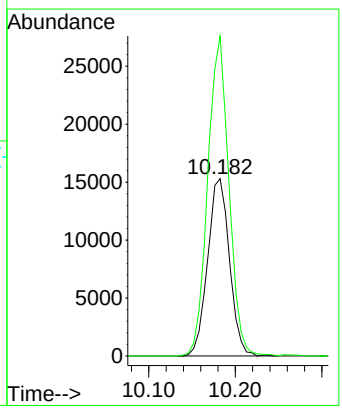


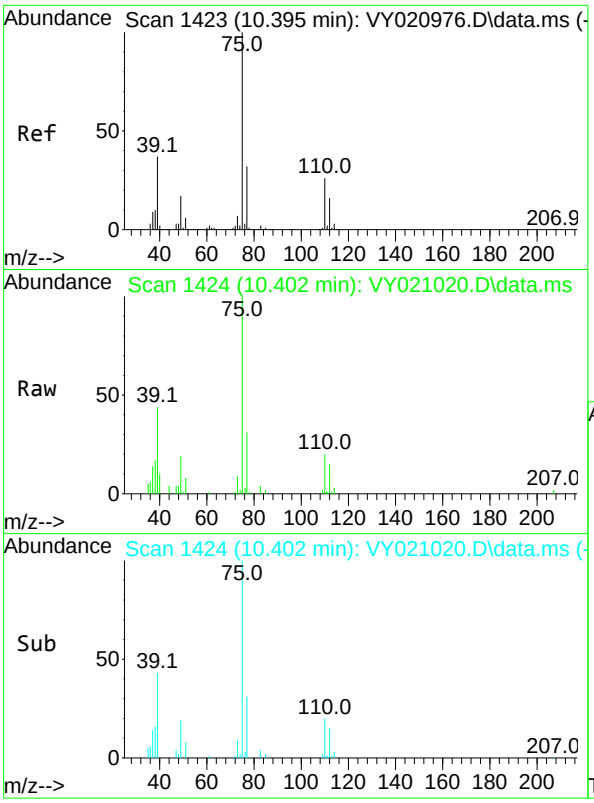


#52
Toluene
Concen: 5.572 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 92 Resp: 26760

Ion	Ratio	Lower	Upper
92	100		
91	174.8	135.8	203.8



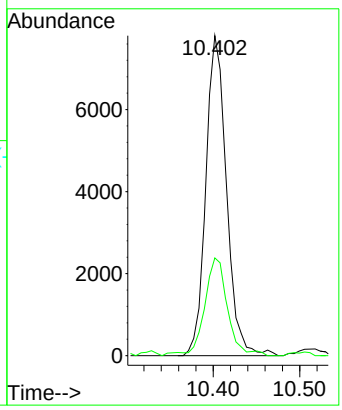


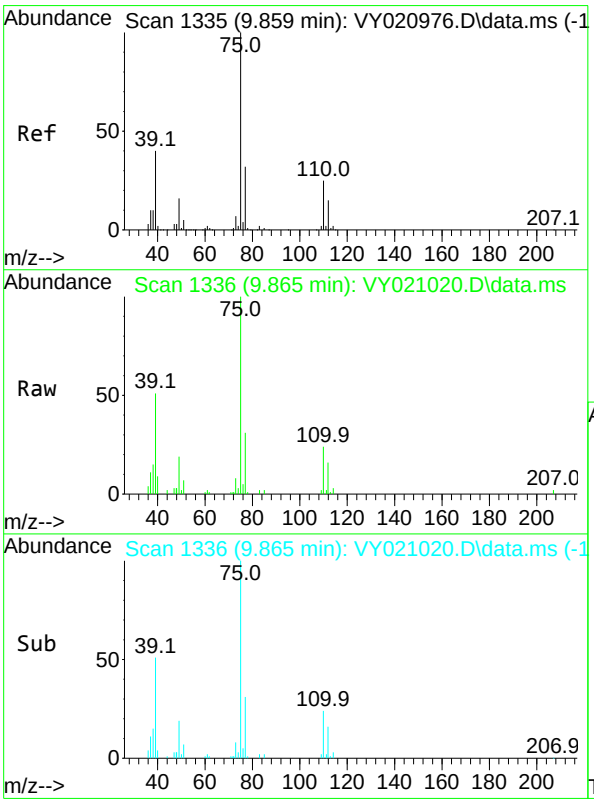
#53
t-1,3-Dichloropropene
Concen: 5.639 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 12933

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.9	38.9

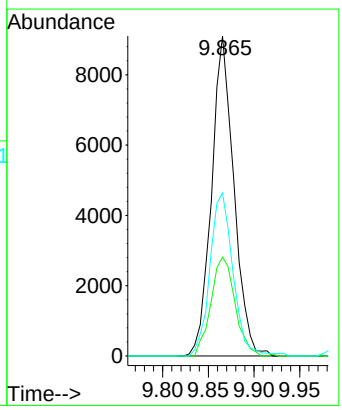


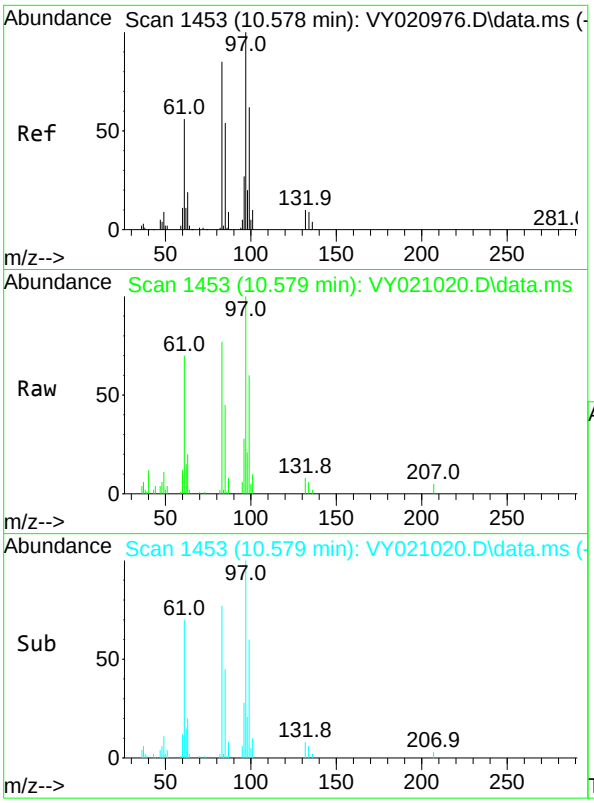


#54
cis-1,3-Dichloropropene
Concen: 5.650 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15488

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	50.9	32.2	48.2#



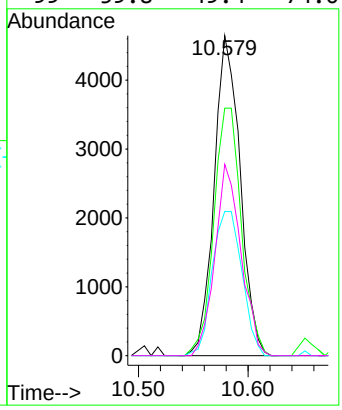


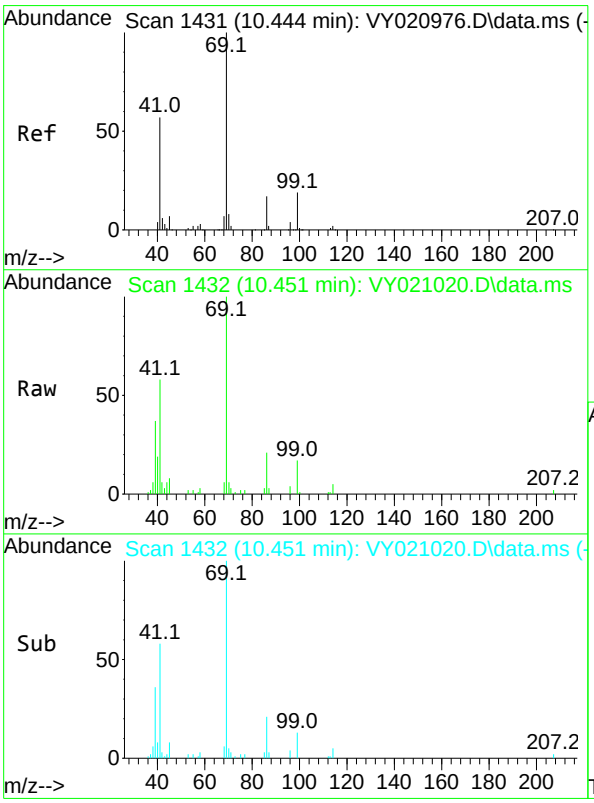
#55
1,1,2-Trichloroethane
Concen: 5.961 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 7651

Ion	Ratio	Lower	Upper
97	100		
83	77.3	67.7	101.5
85	45.1	43.4	65.2
99	59.8	49.4	74.0

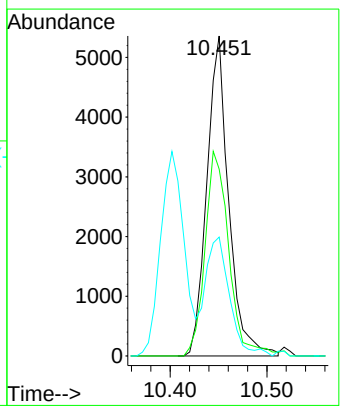


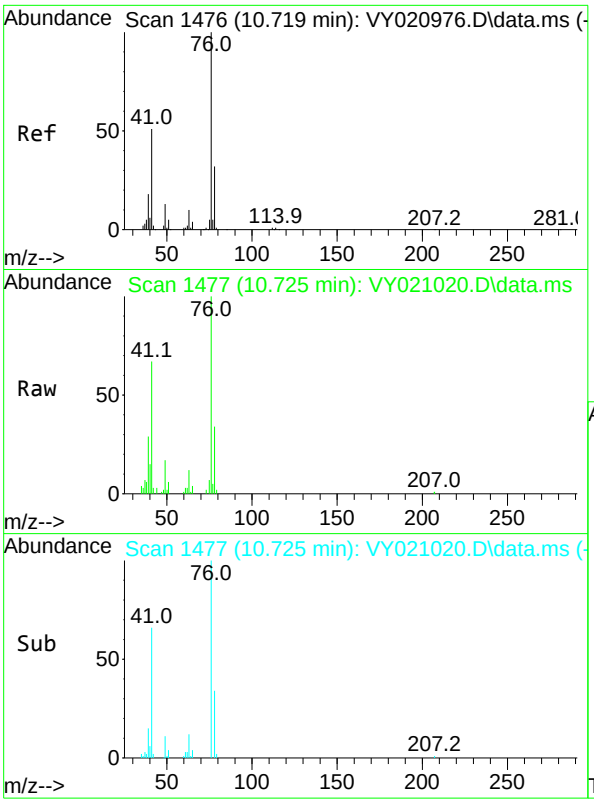


#56
Ethyl methacrylate
Concen: 5.018 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 69 Resp: 8418

Ion	Ratio	Lower	Upper
69	100		
41	70.1	46.3	69.5#
39	41.3	24.5	36.7#



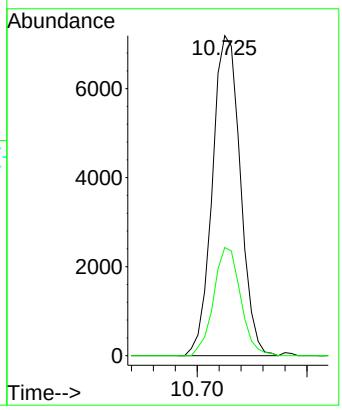


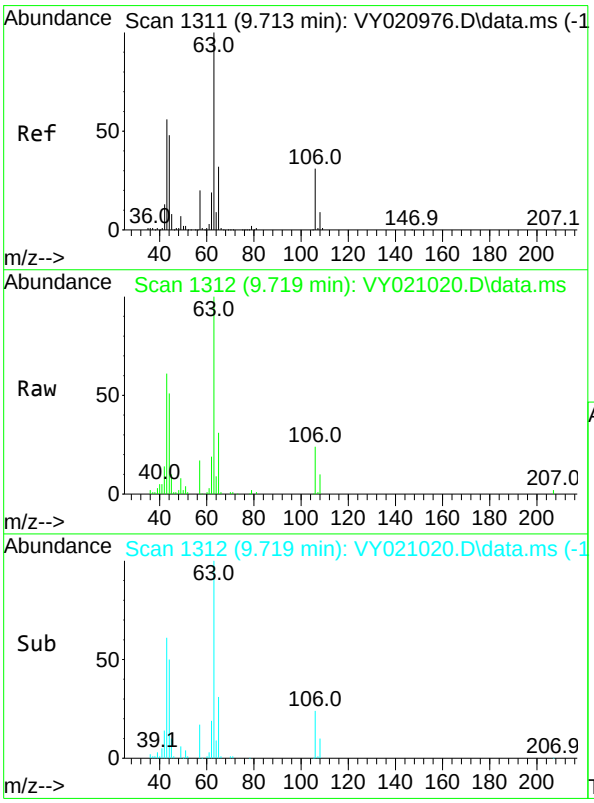
#57
1,3-Dichloropropane
Concen: 5.845 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12714

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

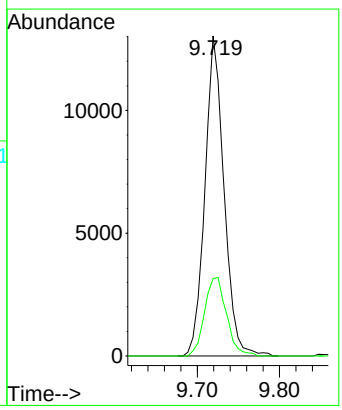


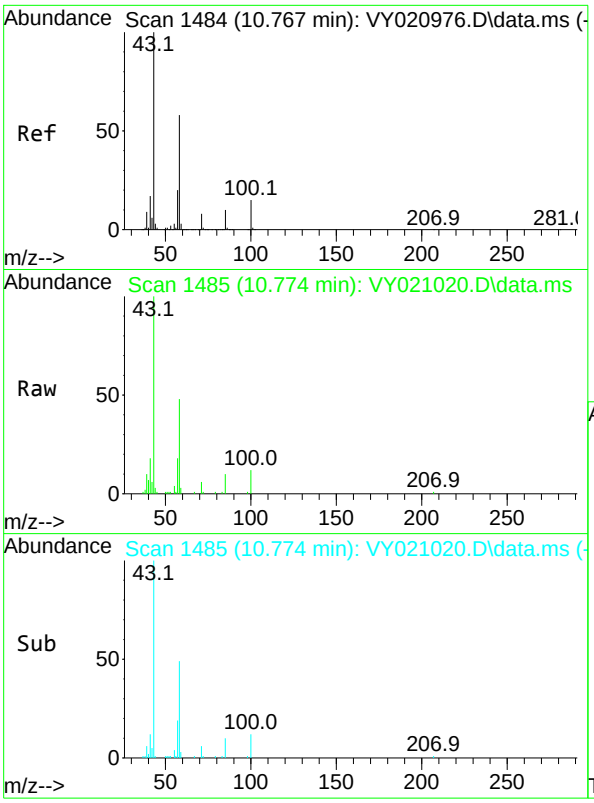


#58
2-Chloroethyl Vinyl ether
Concen: 29.542 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 21035

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1



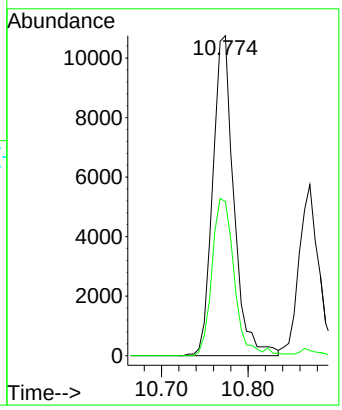


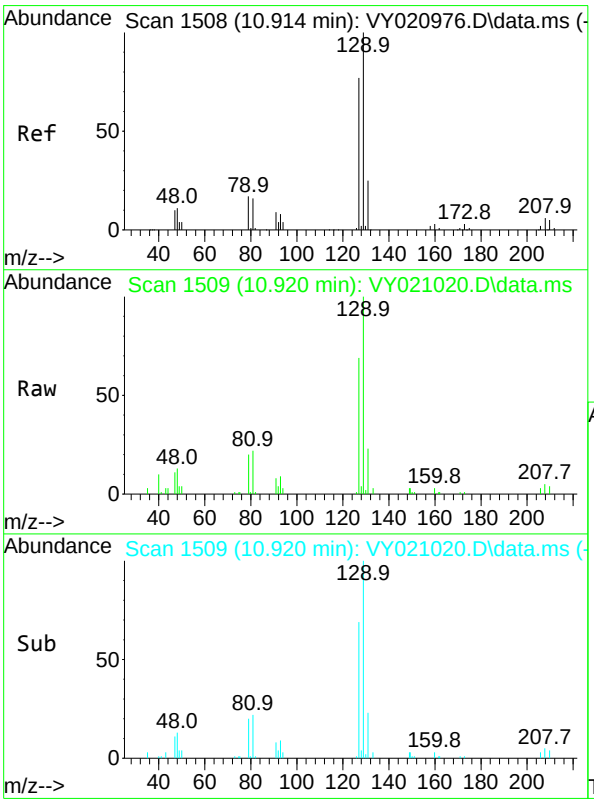
#59
2-Hexanone
Concen: 29.030 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 18159

Ion	Ratio	Lower	Upper
43	100		
58	51.9	29.8	89.3

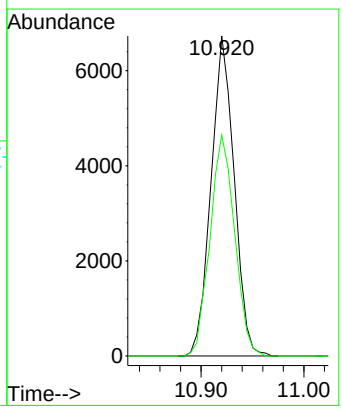


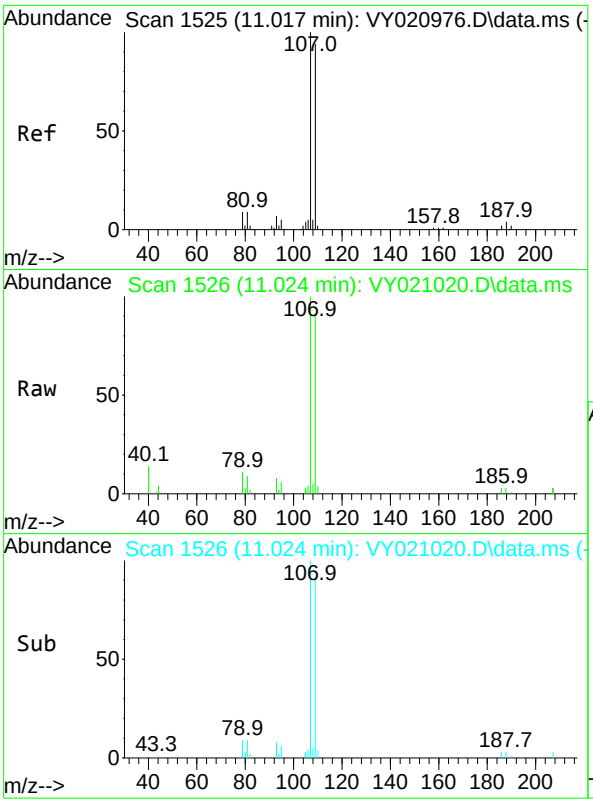


#60
Dibromochloromethane
Concen: 5.744 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:129 Resp: 10511

Ion	Ratio	Lower	Upper
129	100		
127	73.5	38.5	115.3



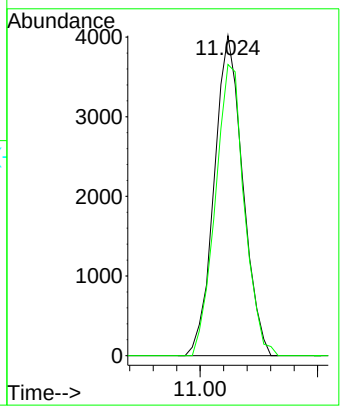


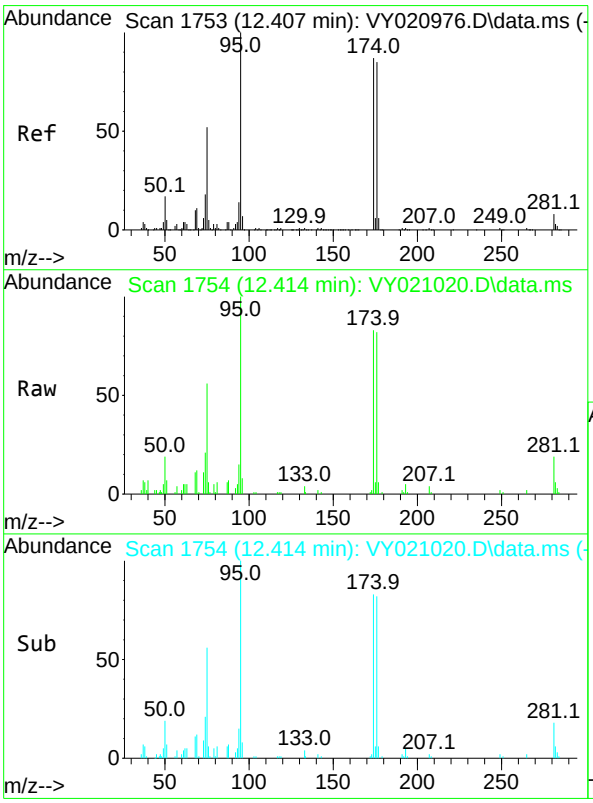
#61
1,2-Dibromoethane
Concen: 5.555 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6810

Ion	Ratio	Lower	Upper
107	100		
109	91.9	76.6	114.8

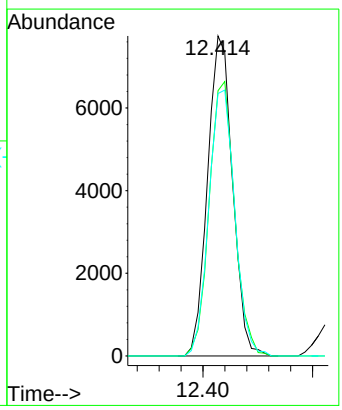


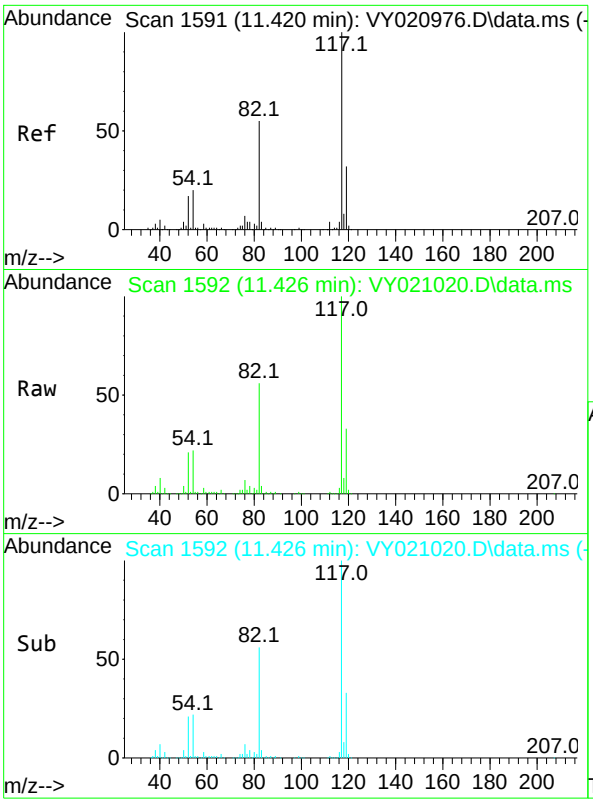


#62
4-Bromofluorobenzene
Concen: 5.301 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 95 Resp: 12237

Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	181.2
176	86.6	0.0	175.2



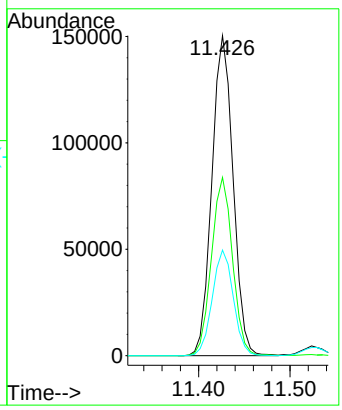


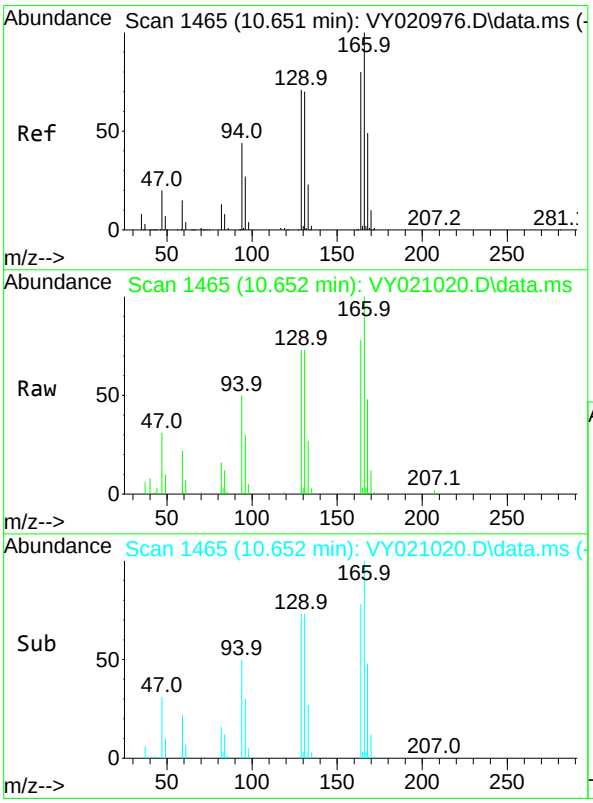
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 242257

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.2
119	33.0	25.9	38.9

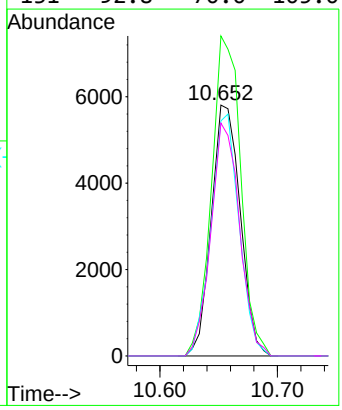


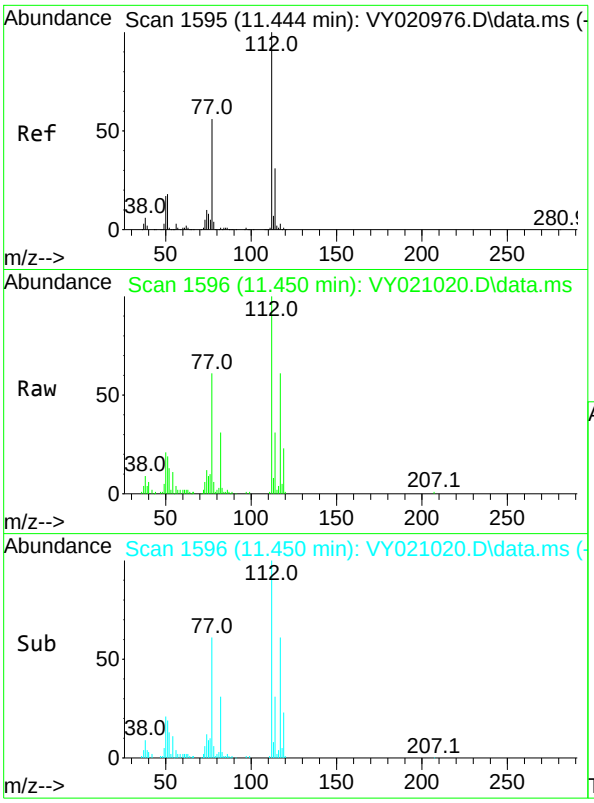


#64
Tetrachloroethene
Concen: 5.426 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:164 Resp: 9915

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.4	150.6
129	93.7	70.8	106.2
131	92.8	70.0	105.0



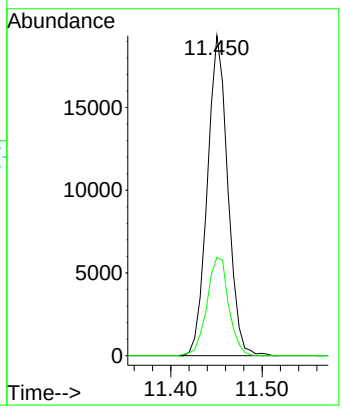


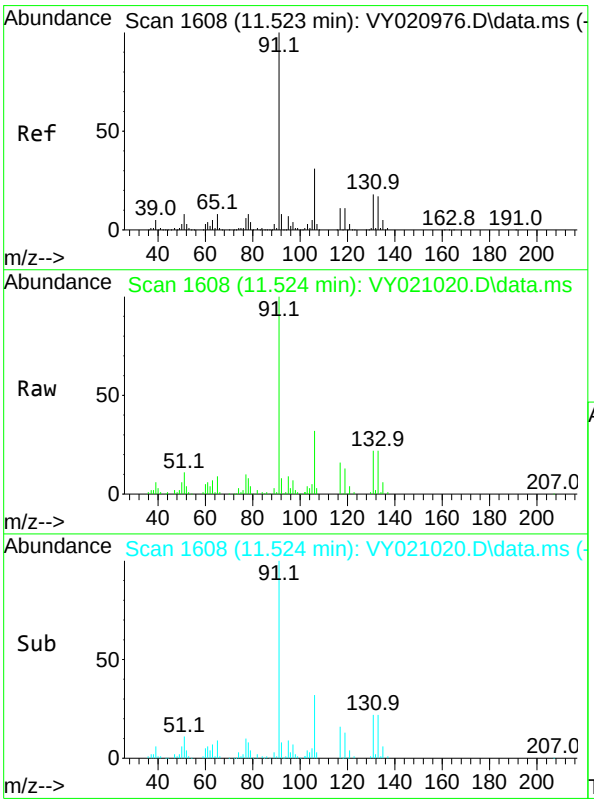
#65
Chlorobenzene
Concen: 5.872 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 29973

Ion	Ratio	Lower	Upper
112	100		
114	30.8	24.6	37.0

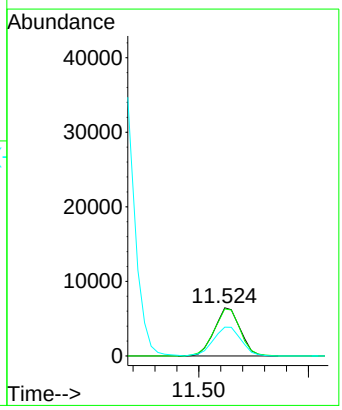


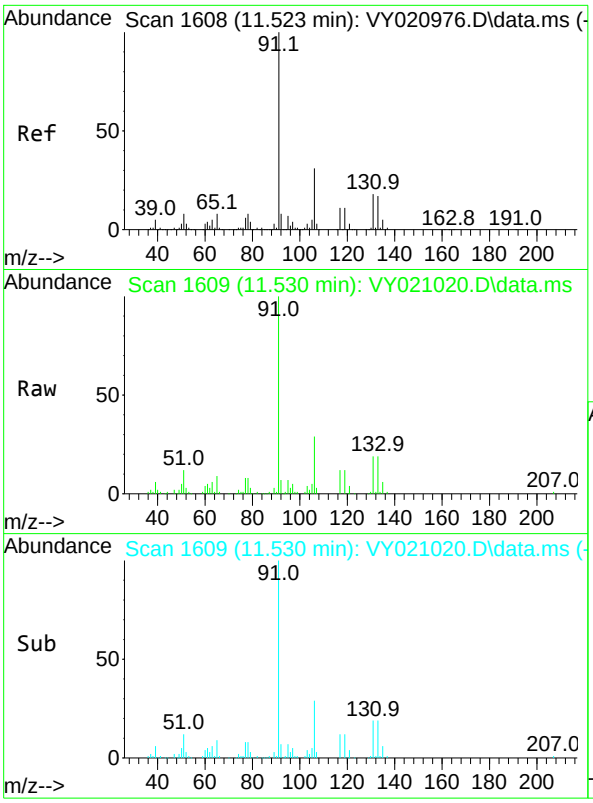


#66
1,1,1,2-Tetrachloroethane
Concen: 5.810 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:131 Resp: 10524

Ion	Ratio	Lower	Upper
131	100		
133	99.6	48.7	146.1
119	64.8	31.4	94.3



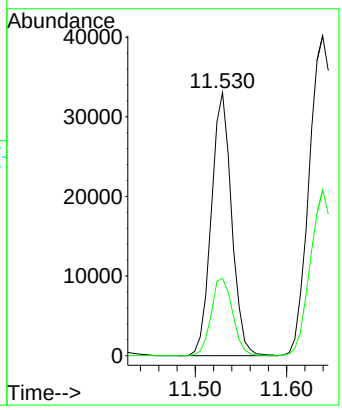


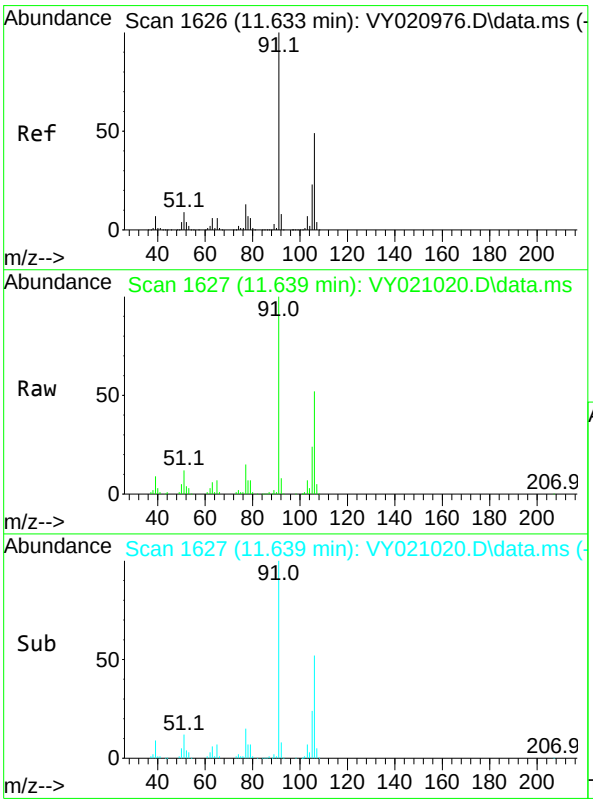
#67
Ethyl Benzene
Concen: 5.760 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 50904

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.9	37.3

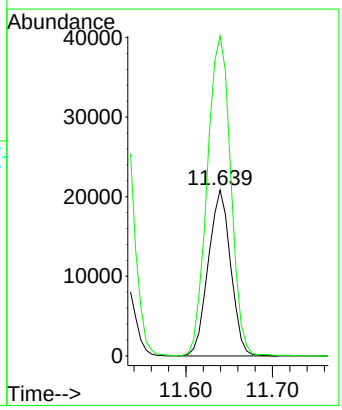


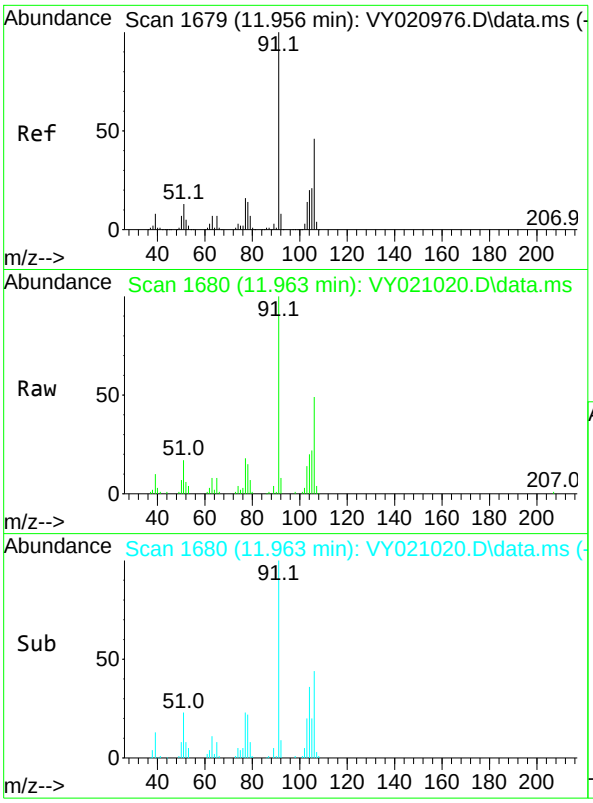


#68
m/p-Xylenes
Concen: 11.015 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:106 Resp: 37399

Ion	Ratio	Lower	Upper
106	100		
91	203.1	160.0	240.0



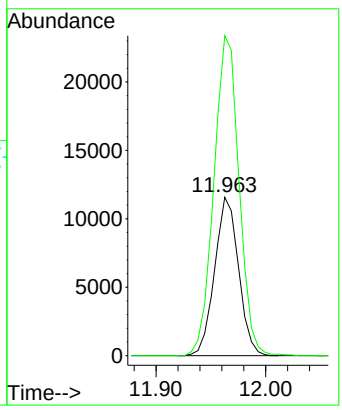


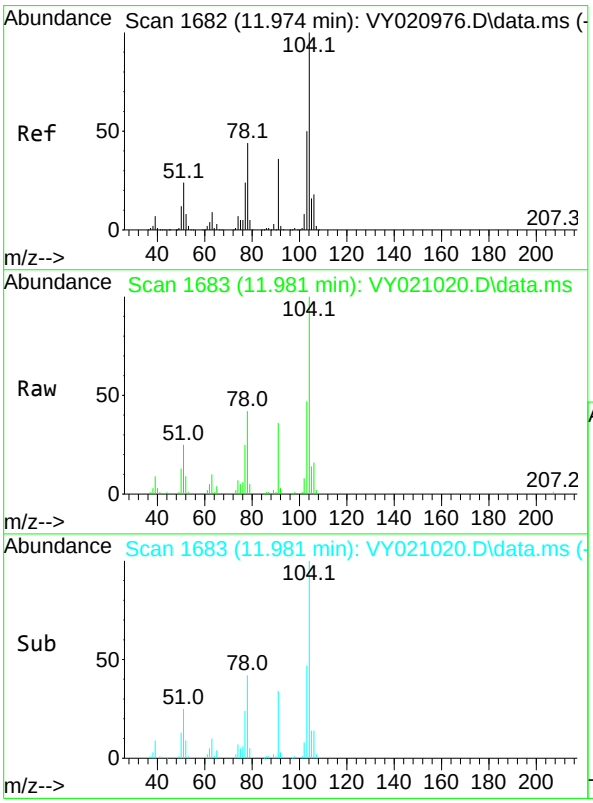
#69
o-Xylene
Concen: 5.550 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 17519

Ion	Ratio	Lower	Upper
106	100		
91	212.9	105.8	317.6

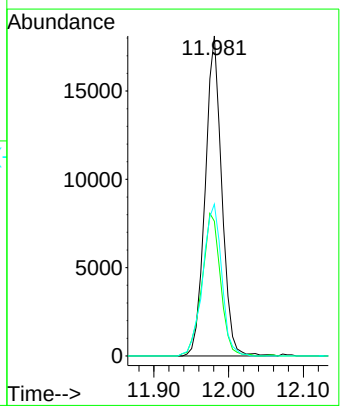


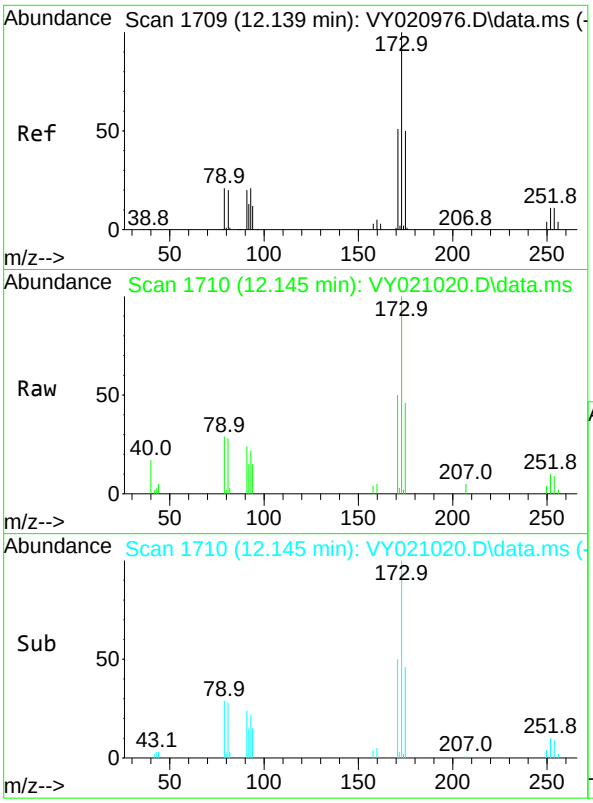


#70
Styrene
Concen: 5.333 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:104 Resp: 27946

Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.0	58.4
103	54.1	43.7	65.5



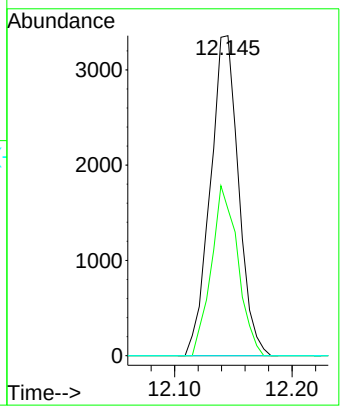


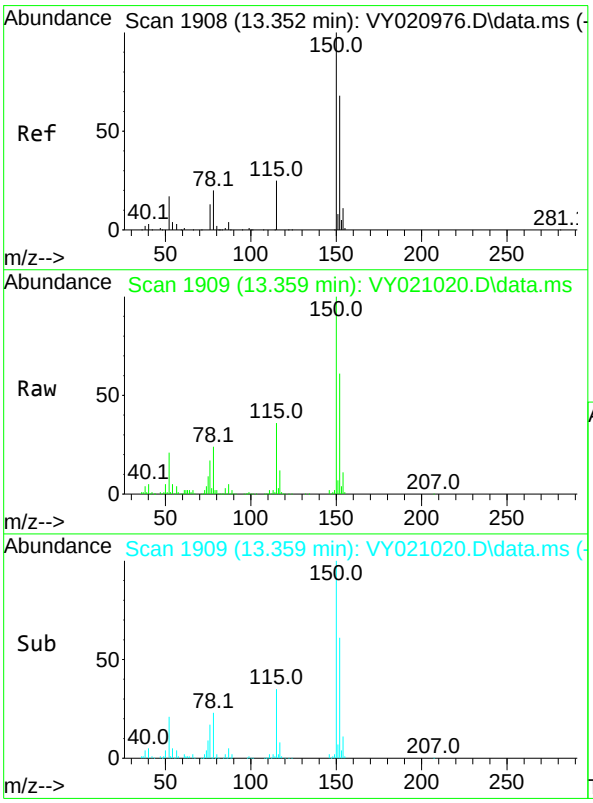
#71
Bromoform
Concen: 5.252 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5607

Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.2
254	0.0	0.0	0.0

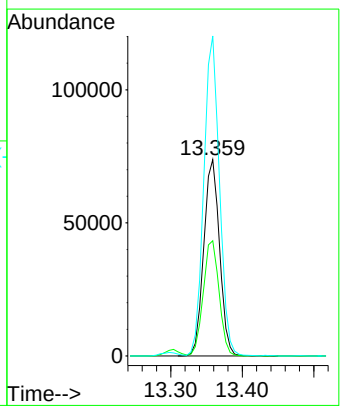


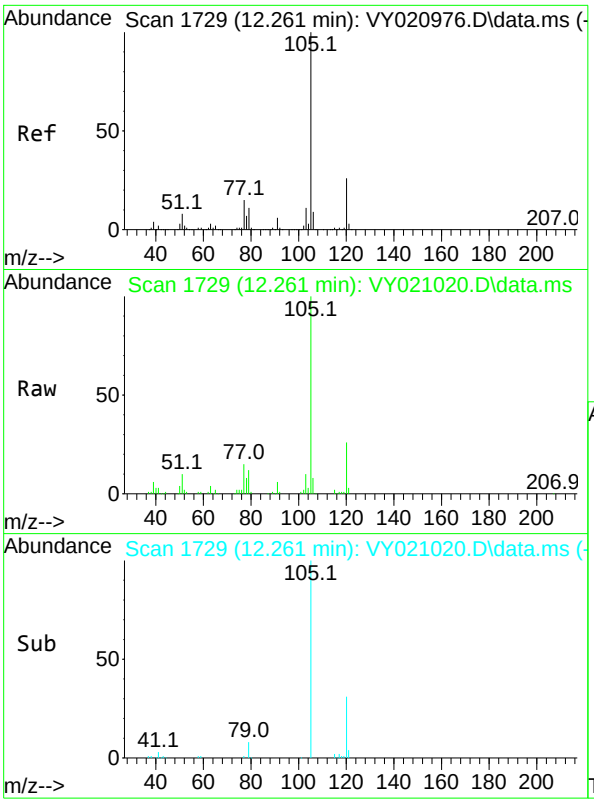


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:152 Resp: 113107

Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.4	85.2
150	160.9	0.0	342.8



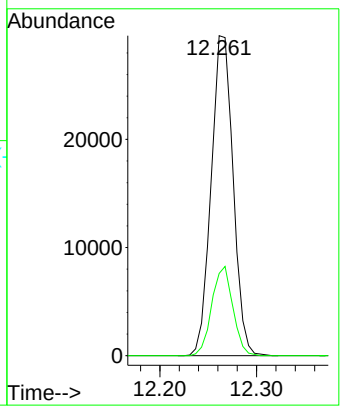


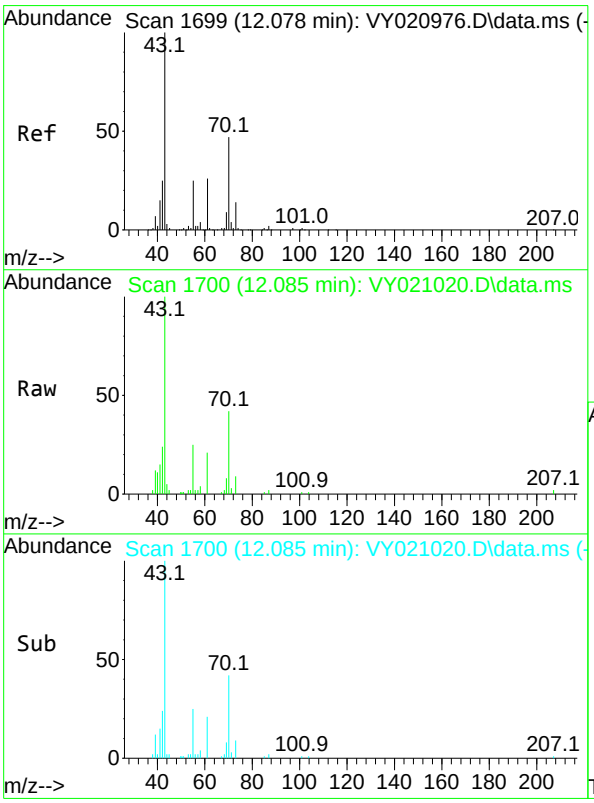
#73
Isopropylbenzene
Concen: 5.869 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 46625

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

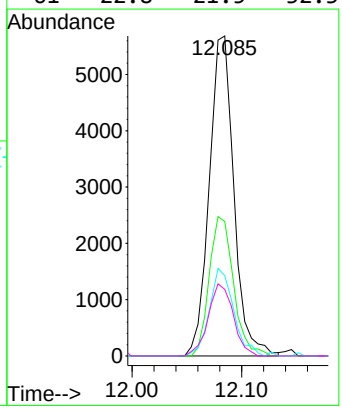


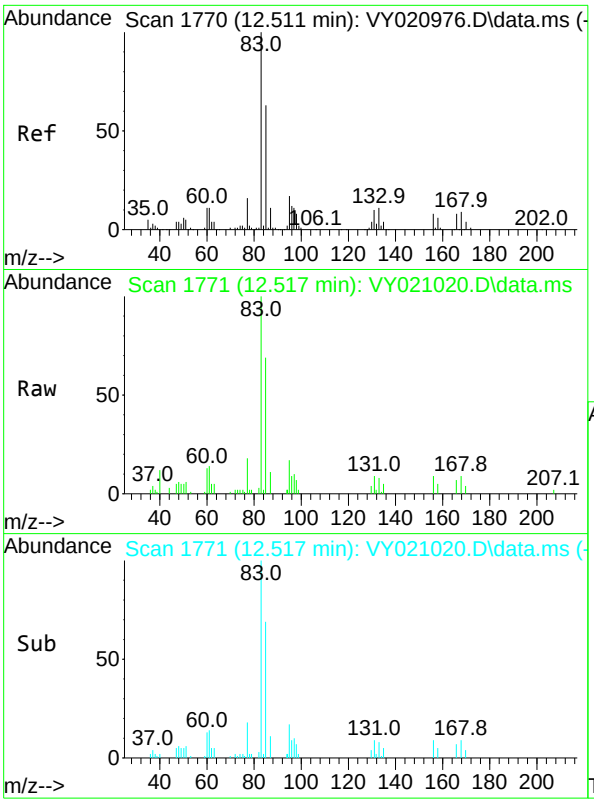


#74
N-amyl acetate
Concen: 6.144 ug/l
RT: 12.085 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8887

Ion	Ratio	Lower	Upper
43	100		
70	42.9	39.3	58.9
55	26.8	22.3	33.5
61	22.8	21.5	32.3



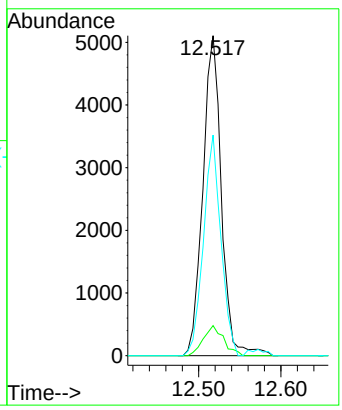


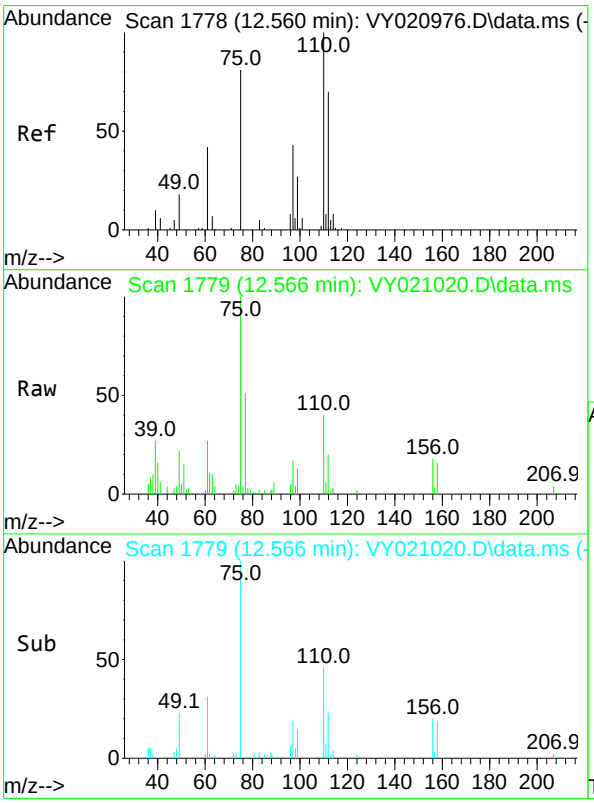
#75
1,1,2,2-Tetrachloroethane
Concen: 6.240 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 8001

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.7	17.1
85	64.6	31.9	95.9

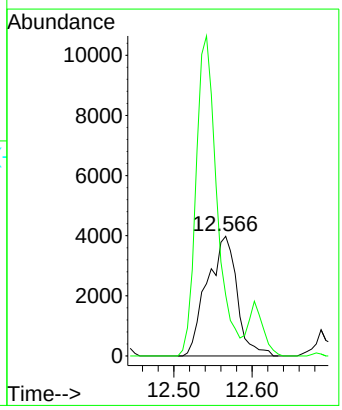


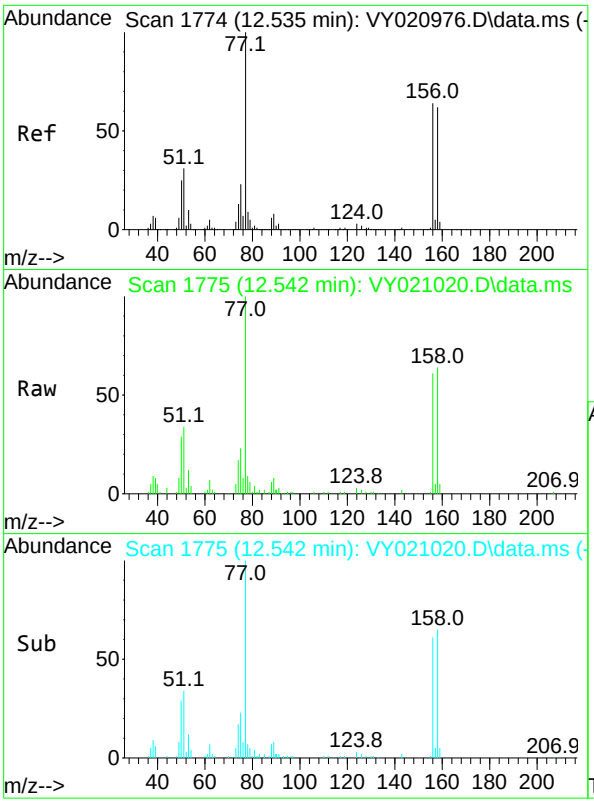


#76
1,2,3-Trichloropropane
Concen: 11.844 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 10605

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



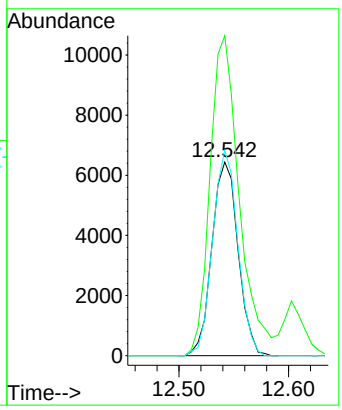


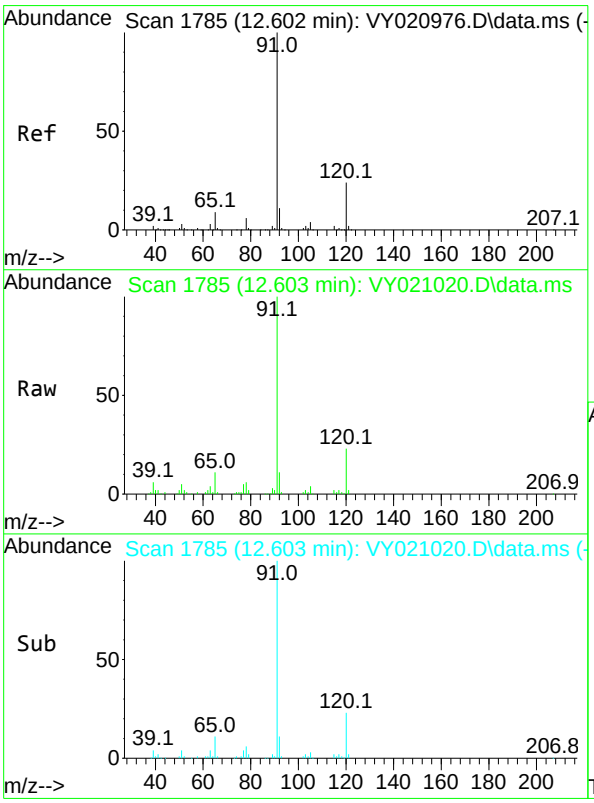
#77
Bromobenzene
Concen: 5.680 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 10698

Ion	Ratio	Lower	Upper
156	100		
77	183.8	83.3	249.9
158	101.9	48.3	144.9

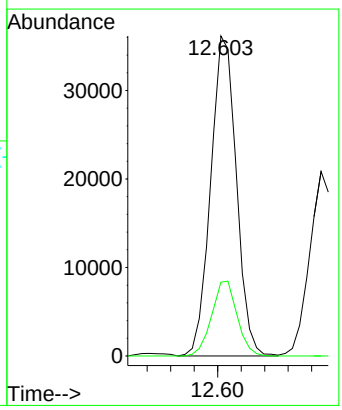


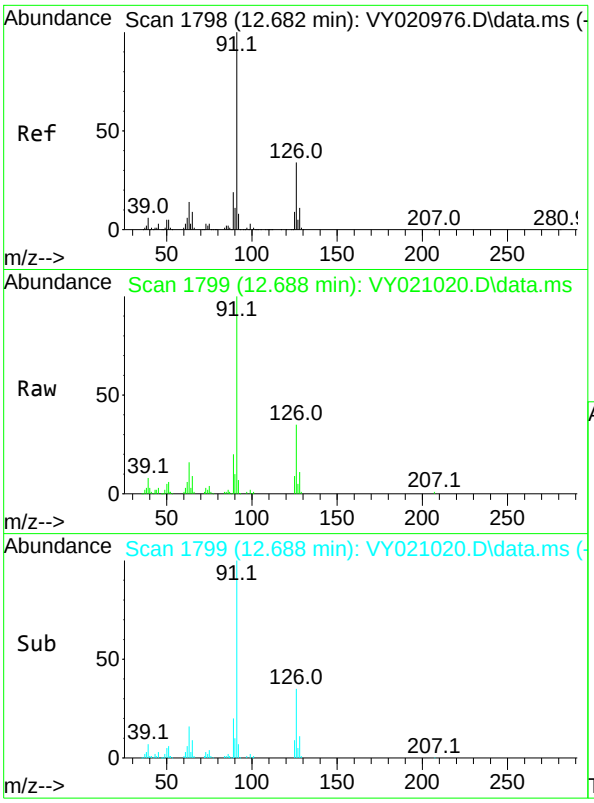


#78
n-propylbenzene
Concen: 5.907 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 54990

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4



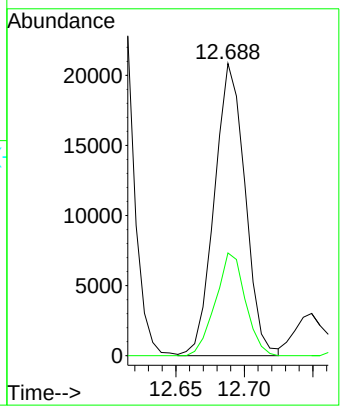


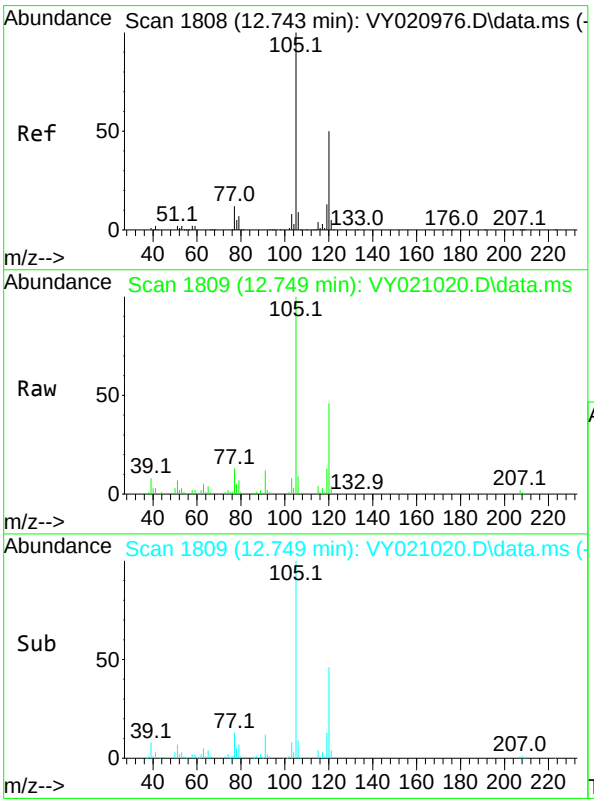
#79
2-Chlorotoluene
Concen: 6.123 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 32479

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	51.9

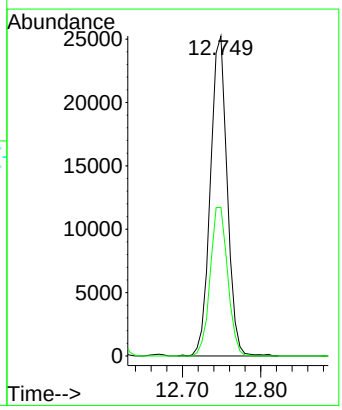


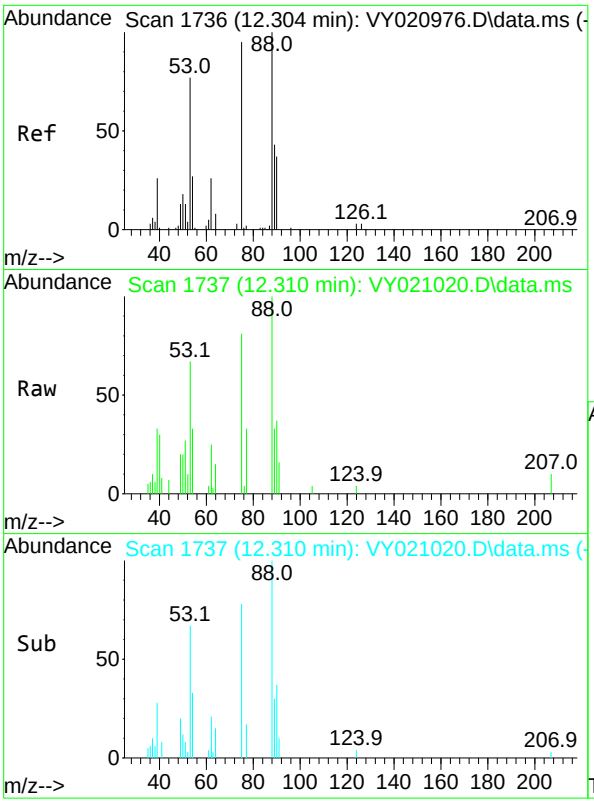


#80
1,3,5-Trimethylbenzene
Concen: 5.772 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 37564

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9



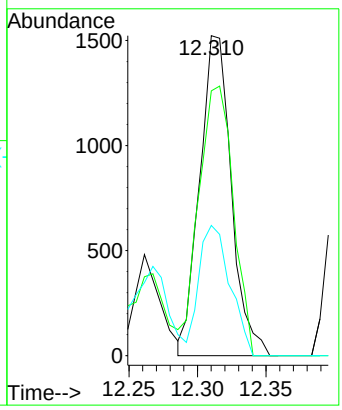


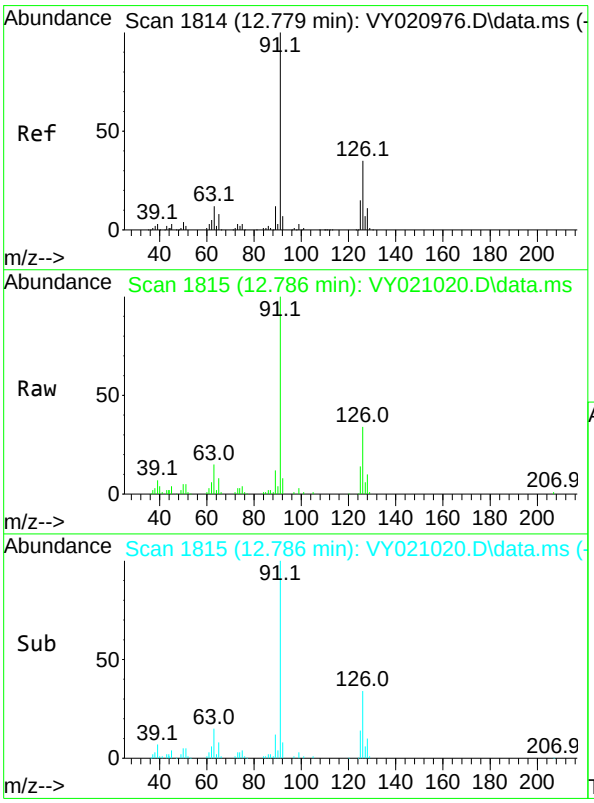
#81
trans-1,4-Dichloro-2-butene
Concen: 5.671 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2446

Ion	Ratio	Lower	Upper
75	100		
53	91.8	68.6	103.0
89	40.1	38.1	57.1

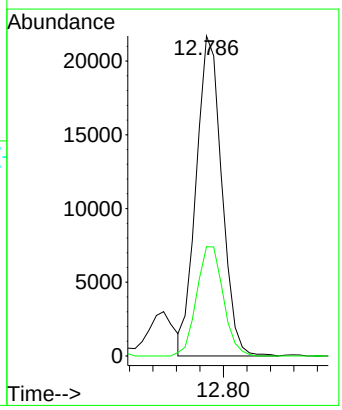


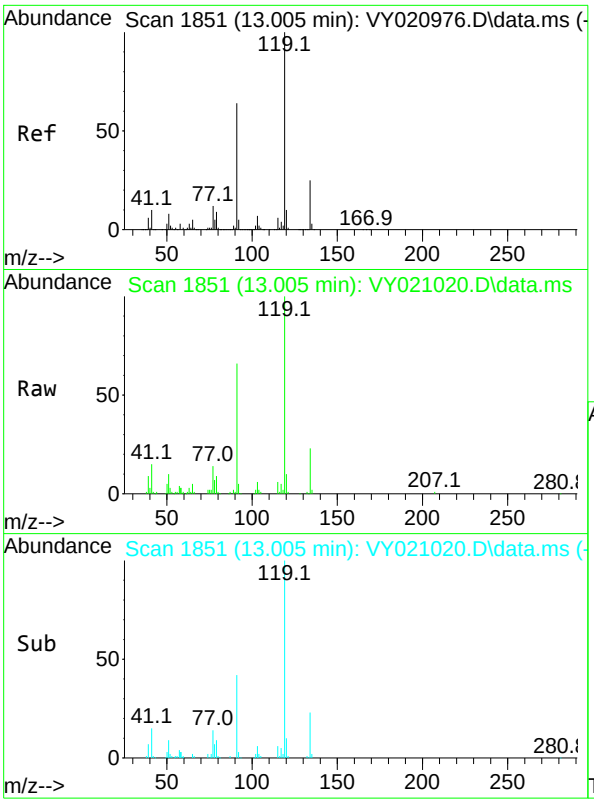


#82
4-Chlorotoluene
Concen: 6.046 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 32824

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0



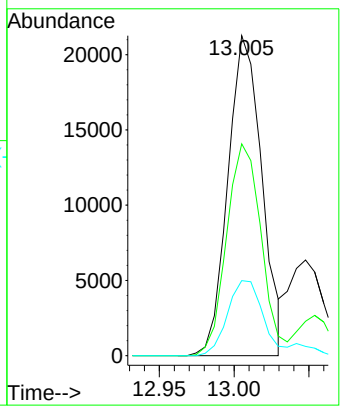


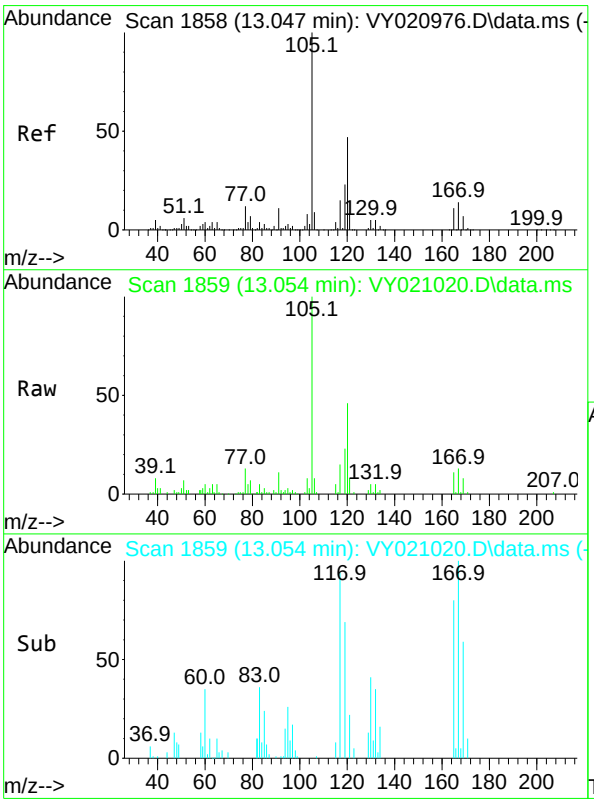
#83
tert-Butylbenzene
Concen: 5.562 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 33572

Ion	Ratio	Lower	Upper
119	100		
91	67.4	31.4	94.0
134	24.6	13.1	39.1

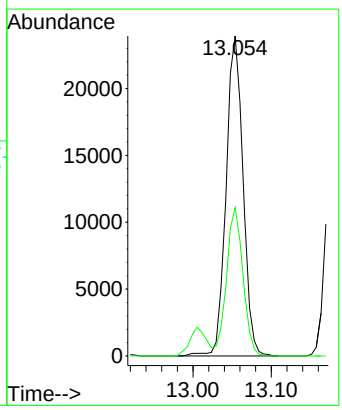


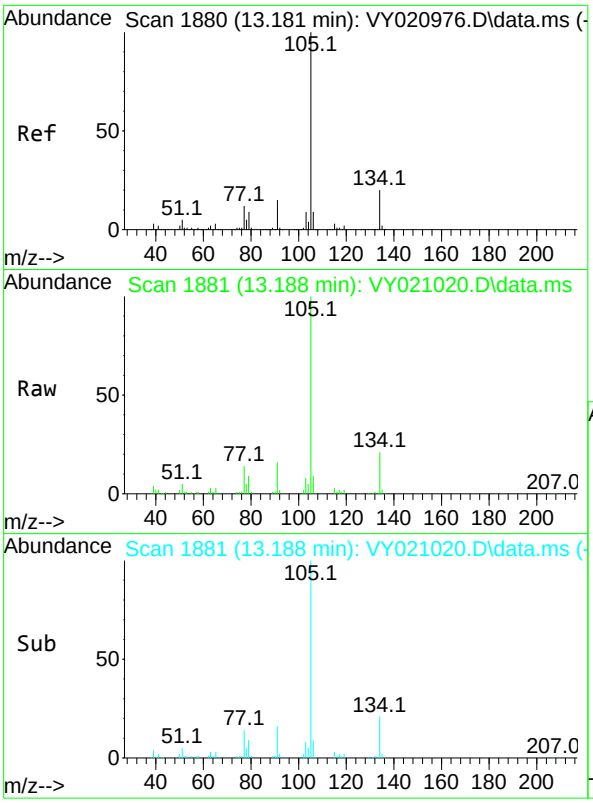


#84
1,2,4-Trimethylbenzene
Concen: 5.665 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 36016

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.0



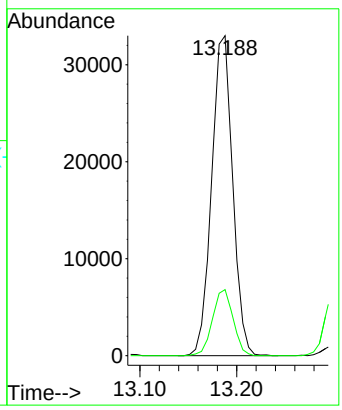


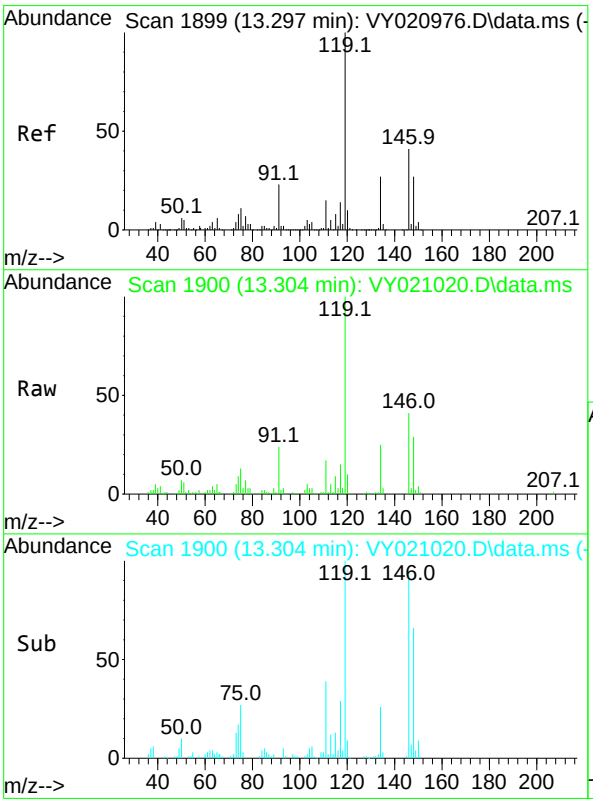
#85
sec-Butylbenzene
Concen: 5.831 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 49828

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.3	30.8

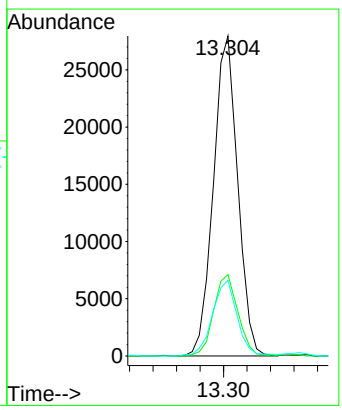


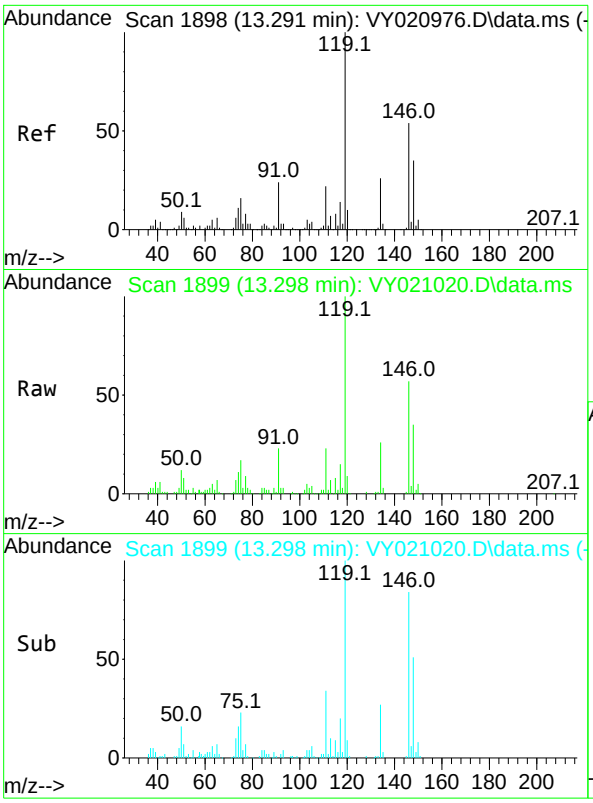


#86
p-Isopropyltoluene
Concen: 5.597 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 40197

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.1	39.3
91	24.1	11.5	34.5



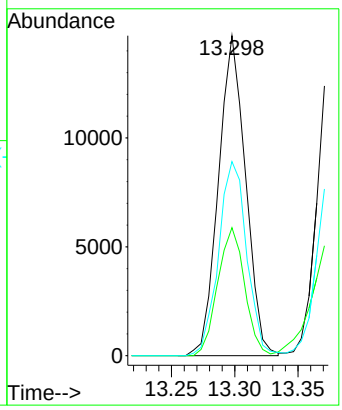


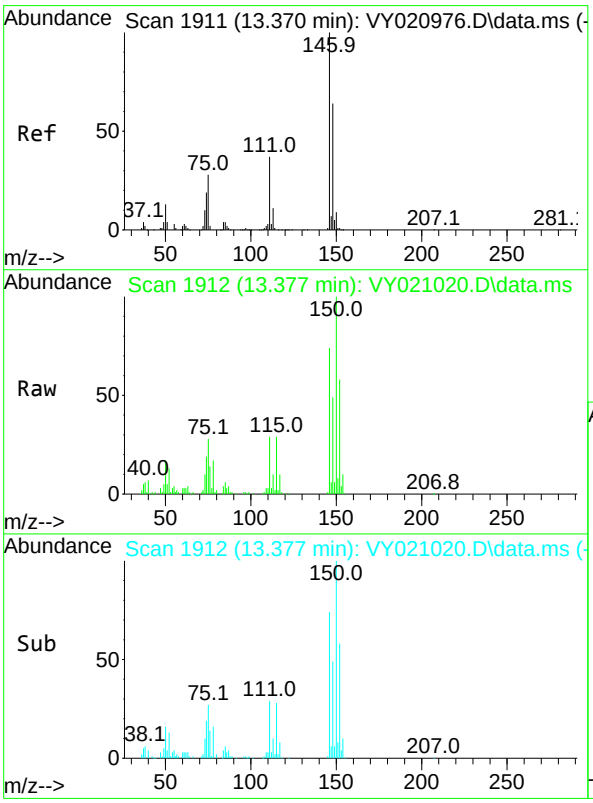
#87
1,3-Dichlorobenzene
Concen: 5.966 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21910

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	63.3	32.1	96.3

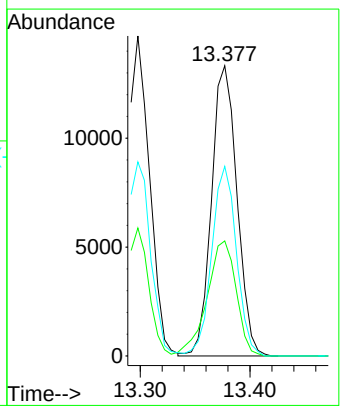


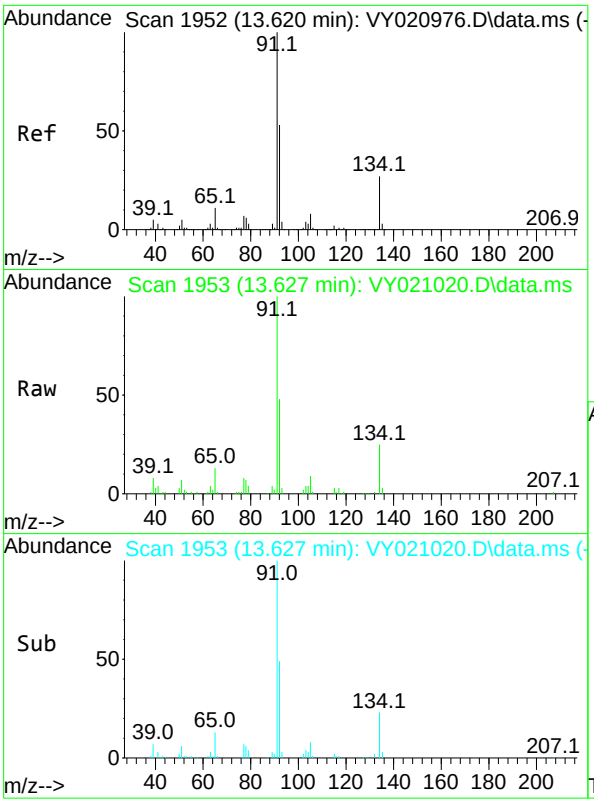


#88
1,4-Dichlorobenzene
Concen: 5.910 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 21553

Ion	Ratio	Lower	Upper
146	100		
111	45.5	19.0	57.0
148	63.4	31.6	95.0



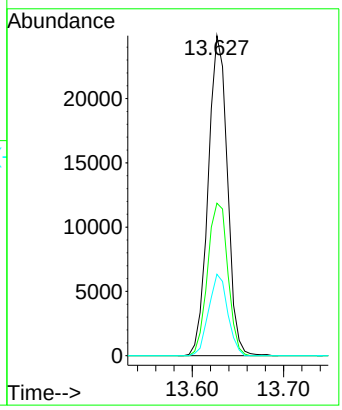


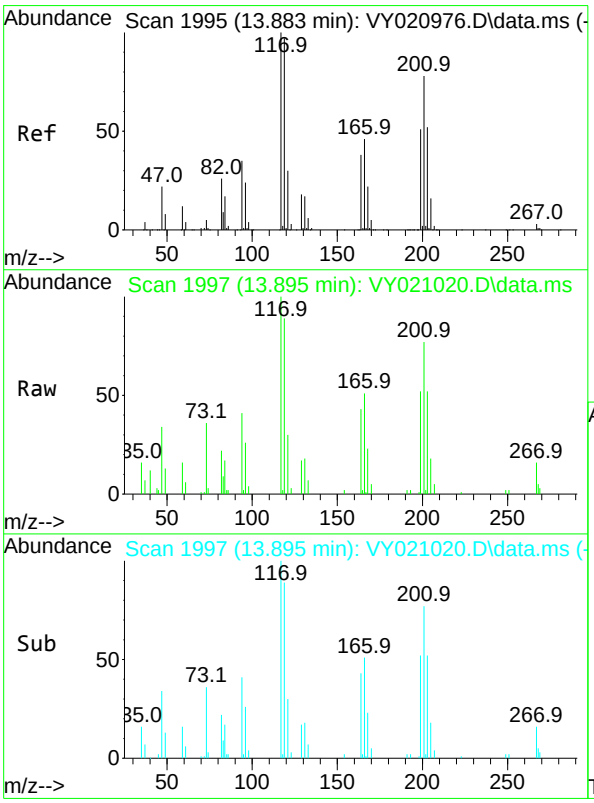
#89
n-Butylbenzene
Concen: 5.630 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 36214

Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.7	80.1
134	25.2	13.7	41.1

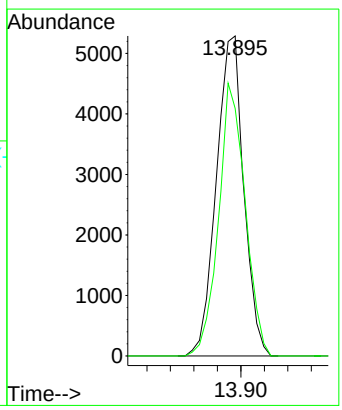


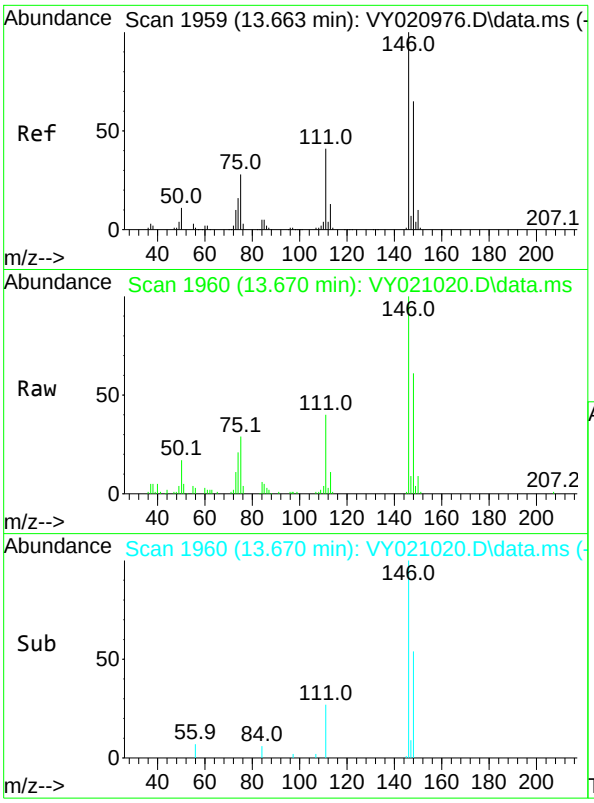


#90
Hexachloroethane
Concen: 5.891 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 8559

Ion	Ratio	Lower	Upper
117	100		
201	82.8	42.5	127.5



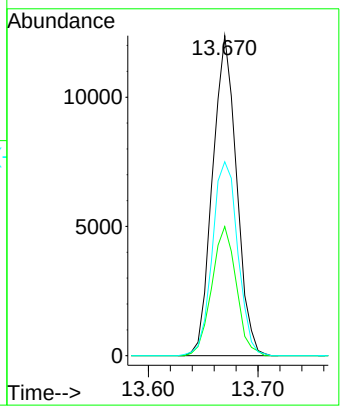


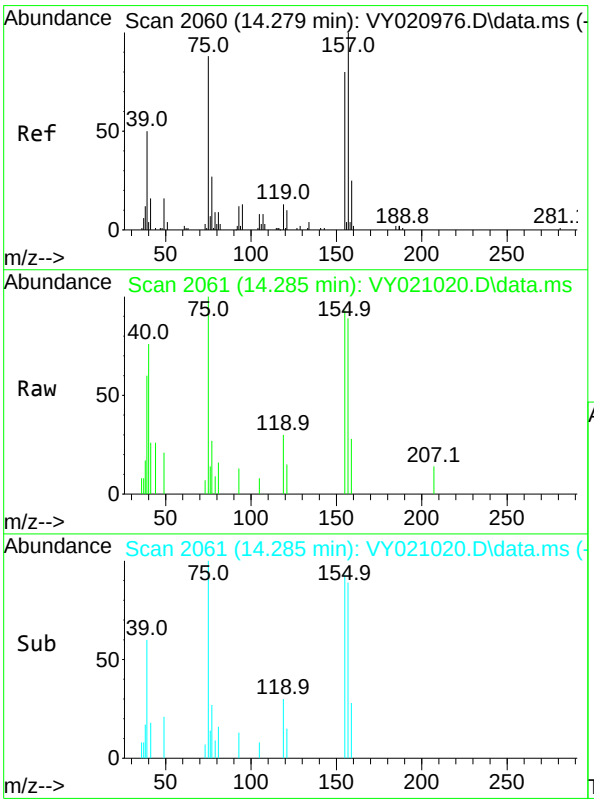
#91
1,2-Dichlorobenzene
Concen: 5.892 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 18869

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	64.4	32.2	96.6

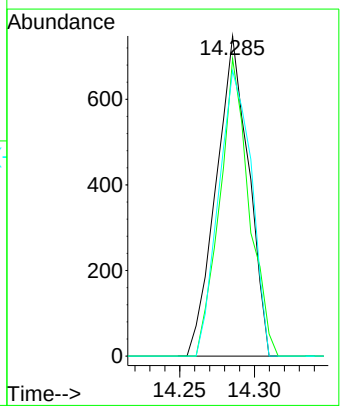


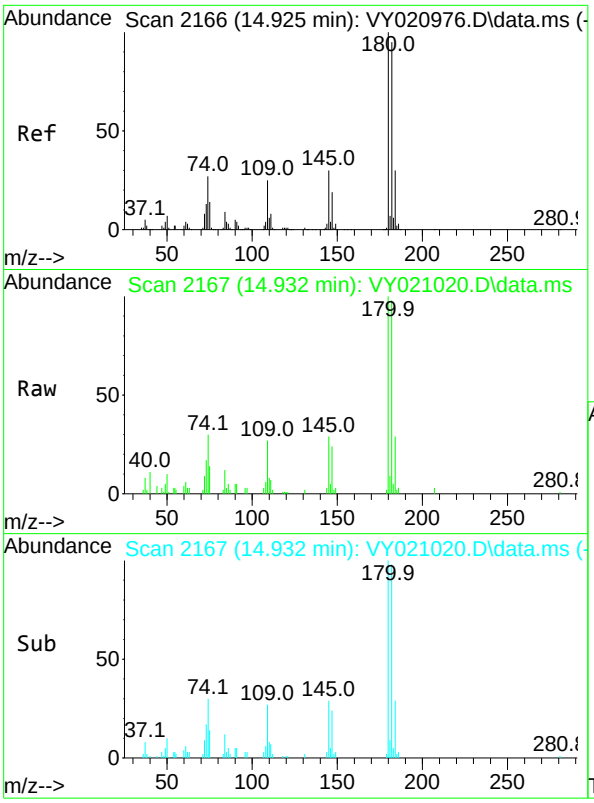


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.699 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1125

Ion	Ratio	Lower	Upper
75	100		
155	84.4	45.9	137.6
157	90.1	59.3	177.9



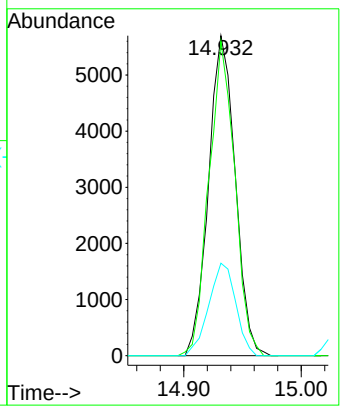


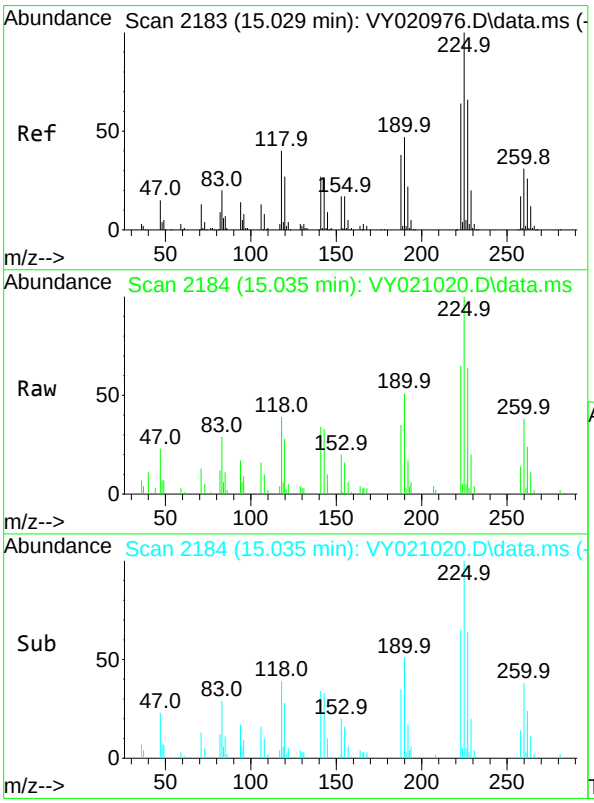
#93
1,2,4-Trichlorobenzene
Concen: 4.590 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 9000

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.8
145	29.2	15.3	45.8

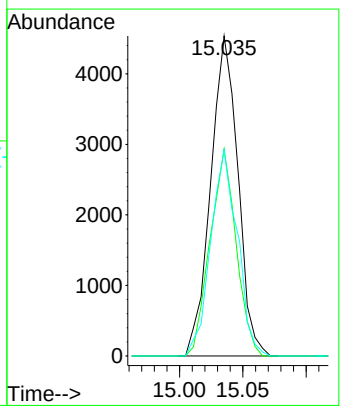


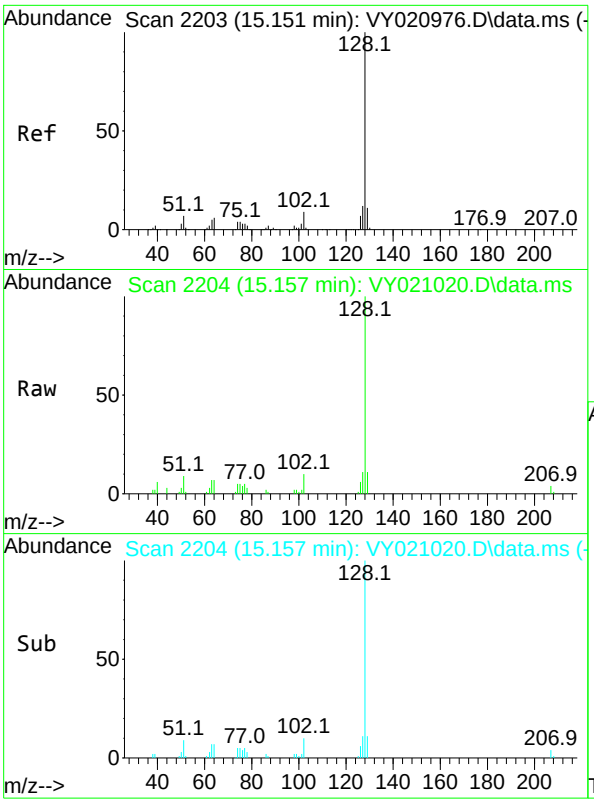


#94
Hexachlorobutadiene
Concen: 5.001 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:225 Resp: 6792

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.4	94.2
227	63.1	31.8	95.3



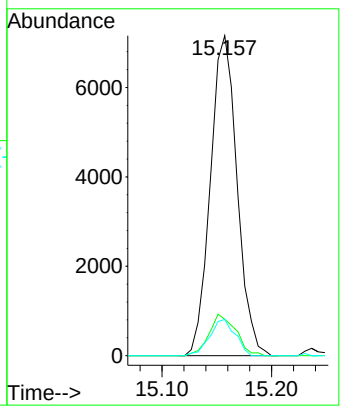


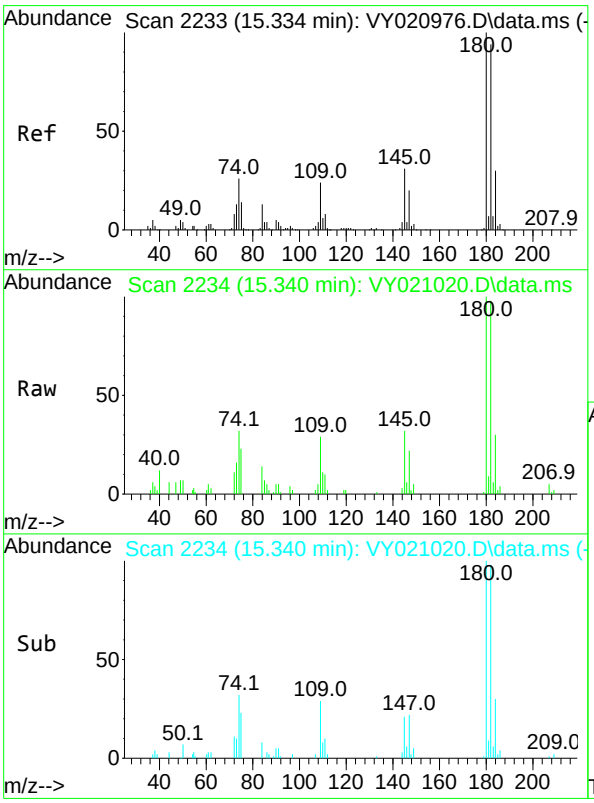
#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 12124

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.8	13.2

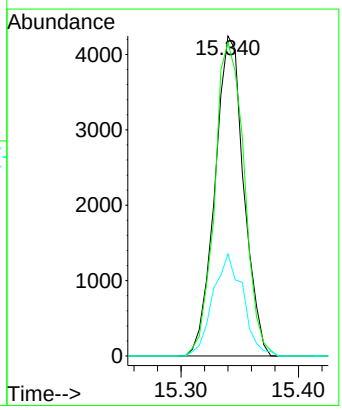




#96
1,2,3-Trichlorobenzene
Concen: 4.375 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 7255

Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.7	143.1
145	33.2	15.6	46.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	182294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	239030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	115682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	20294	13.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	26.160%#		
35) Dibromofluoromethane	7.646	113	18627	10.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.720%#		
50) Toluene-d8	10.109	98	70569	10.540	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.080%#		
62) 4-Bromofluorobenzene	12.414	95	23279	10.362	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	20.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	15959	10.296	ug/l	99
3) Chloromethane	2.074	50	16219	16.458	ug/l	98
4) Vinyl Chloride	2.208	62	16094	15.839	ug/l	93
5) Bromomethane	2.604	94	10042	14.599	ug/l	99
6) Chloroethane	2.745	64	9830	16.561	ug/l	95
7) Trichlorofluoromethane	3.068	101	29663	12.097	ug/l	90
8) Diethyl Ether	3.458	74	9330	12.745	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.824	101	18483	11.194	ug/l	96
10) Methyl Iodide	4.019	142	19381	10.258	ug/l	98
11) Tert butyl alcohol	4.860	59	4102	36.180	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	17176	11.131	ug/l	90
13) Acrolein	3.665	56	10409	79.726	ug/l	96
14) Allyl chloride	4.391	41	28376	13.358	ug/l	93
15) Acrylonitrile	5.074	53	19104	63.446	ug/l	97
16) Acetone	3.879	43	15112	71.438	ug/l #	86
17) Carbon Disulfide	4.116	76	53088	11.171	ug/l	100
18) Methyl Acetate	4.397	43	10297	13.911	ug/l	94
19) Methyl tert-butyl Ether	5.128	73	43216	12.033	ug/l	96
20) Methylene Chloride	4.622	84	18455	11.829	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	18903	11.426	ug/l	100
22) Diisopropyl ether	6.031	45	59888	13.831	ug/l #	89
23) Vinyl Acetate	5.970	43	166437	69.409	ug/l	94
24) 1,1-Dichloroethane	5.927	63	34569	12.375	ug/l	99
25) 2-Butanone	6.902	43	24268	67.624	ug/l	93
26) 2,2-Dichloropropane	6.896	77	32771	11.915	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	21309	11.206	ug/l	91
28) Bromochloromethane	7.256	49	13417	12.892	ug/l	86
29) Tetrahydrofuran	7.274	42	16758	69.395	ug/l	92
30) Chloroform	7.427	83	37054	12.247	ug/l	100
31) Cyclohexane	7.707	56	32272	11.819	ug/l #	88
32) 1,1,1-Trichloroethane	7.628	97	32862	11.223	ug/l	95
36) 1,1-Dichloropropene	7.847	75	26479	10.820	ug/l	96
37) Ethyl Acetate	6.994	43	11876	13.017	ug/l	97
38) Carbon Tetrachloride	7.823	117	31462	10.389	ug/l	96
39) Methylcyclohexane	9.115	83	31392	9.549	ug/l	90
40) Benzene	8.085	78	78846	10.950	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.262	41	16460	32.608 ug/l #	33
42) 1,2-Dichloroethane	8.164	62	22281	12.201 ug/l	99
43) Isopropyl Acetate	8.207	43	23795	13.055 ug/l #	84
44) Trichloroethene	8.872	130	20261	10.197 ug/l	100
45) 1,2-Dichloropropane	9.146	63	18765	11.627 ug/l	96
46) Dibromomethane	9.237	93	10511	11.191 ug/l	94
47) Bromodichloromethane	9.432	83	28538	11.570 ug/l	96
48) Methyl methacrylate	9.225	41	10297	11.866 ug/l	93
49) 1,4-Dioxane	9.231	88	1885	188.876 ug/l #	89
51) 4-Methyl-2-Pentanone	10.006	43	60088	64.159 ug/l	94
52) Toluene	10.176	92	48876	10.457 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	24301	10.888 ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	29426	11.031 ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	13425	10.748 ug/l	96
56) Ethyl methacrylate	10.445	69	16883	10.341 ug/l #	86
57) 1,3-Dichloropropane	10.725	76	23377	11.042 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	41611	60.048 ug/l	95
59) 2-Hexanone	10.768	43	37306	61.283 ug/l	90
60) Dibromochloromethane	10.914	129	18851	10.585 ug/l	100
61) 1,2-Dibromoethane	11.018	107	12746	10.684 ug/l	100
64) Tetrachloroethene	10.652	164	17544	9.730 ug/l	98
65) Chlorobenzene	11.450	112	53298	10.583 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.524	131	19150	10.714 ug/l	99
67) Ethyl Benzene	11.524	91	90783	10.411 ug/l	99
68) m/p-Xylenes	11.633	106	69094	20.624 ug/l	98
69) o-Xylene	11.963	106	31473	10.106 ug/l	96
70) Styrene	11.975	104	53436	10.334 ug/l	98
71) Bromoform	12.139	173	10627	10.088 ug/l #	97
73) Isopropylbenzene	12.261	105	85491	10.522 ug/l	98
74) N-amyl acetate	12.078	43	18529	12.524 ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	14942	11.393 ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	19562	21.361 ug/l #	100
77) Bromobenzene	12.536	156	20634	10.712 ug/l	94
78) n-propylbenzene	12.603	91	102250	10.738 ug/l	97
79) 2-Chlorotoluene	12.688	91	59630	10.991 ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	70161	10.541 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	5224	11.842 ug/l	92
82) 4-Chlorotoluene	12.786	91	62279	11.217 ug/l	96
83) tert-Butylbenzene	13.005	119	63506	10.287 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	67906	10.444 ug/l	100
85) sec-Butylbenzene	13.182	105	92610	10.596 ug/l	98
86) p-Isopropyltoluene	13.298	119	74892	10.196 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	39016	10.388 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	39379	10.559 ug/l	95
89) n-Butylbenzene	13.627	91	67632	10.280 ug/l	97
90) Hexachloroethane	13.889	117	16030	10.788 ug/l	95
91) 1,2-Dichlorobenzene	13.670	146	35252	10.763 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2296	11.372 ug/l	87
93) 1,2,4-Trichlorobenzene	14.932	180	17451	8.702 ug/l	98
94) Hexachlorobutadiene	15.029	225	11988	8.631 ug/l	99
95) Naphthalene	15.151	128	27103	8.409 ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	14804	8.729 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

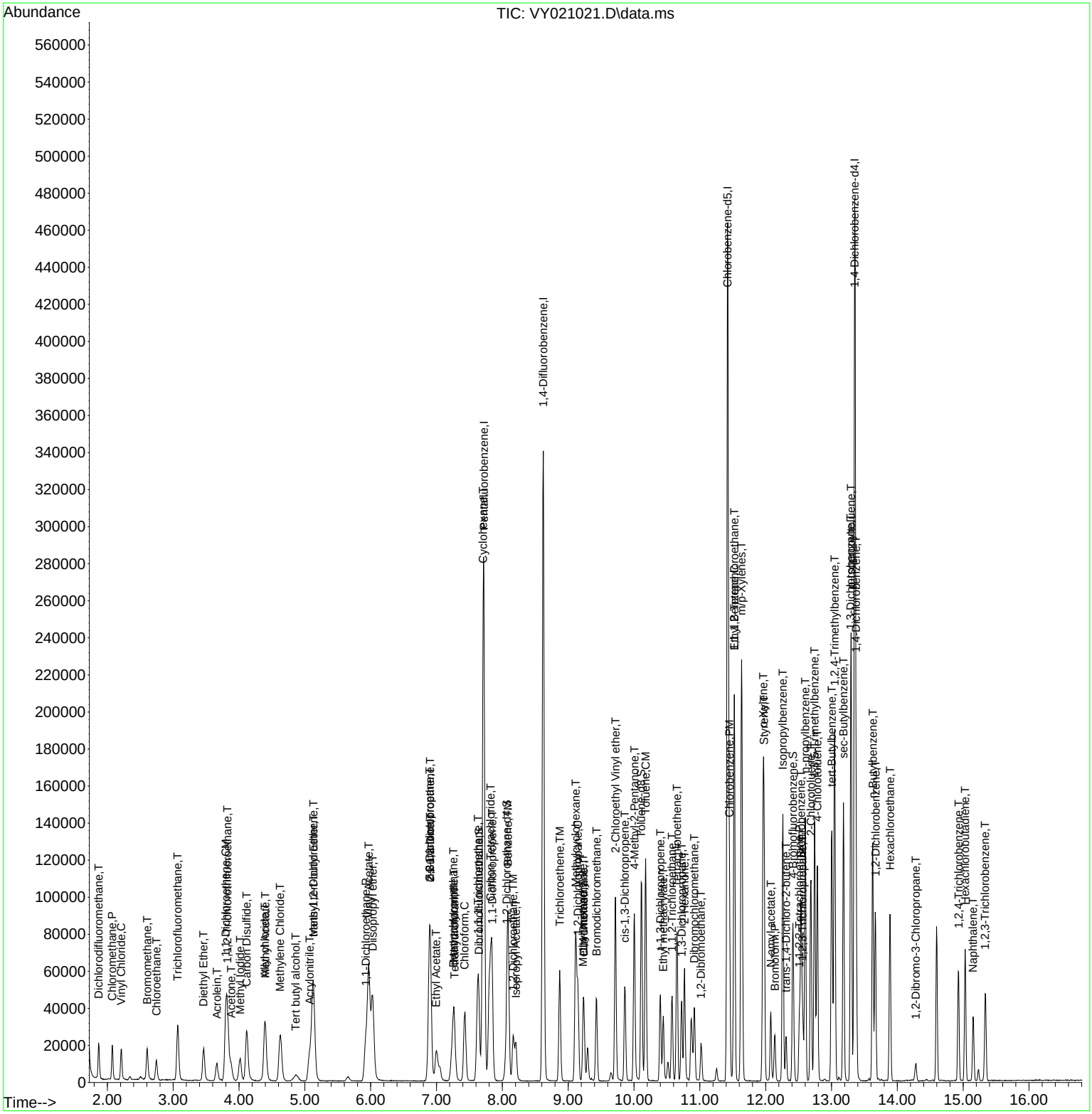
(#) = qualifier out of range (m) = manual integration (+) = signals summed

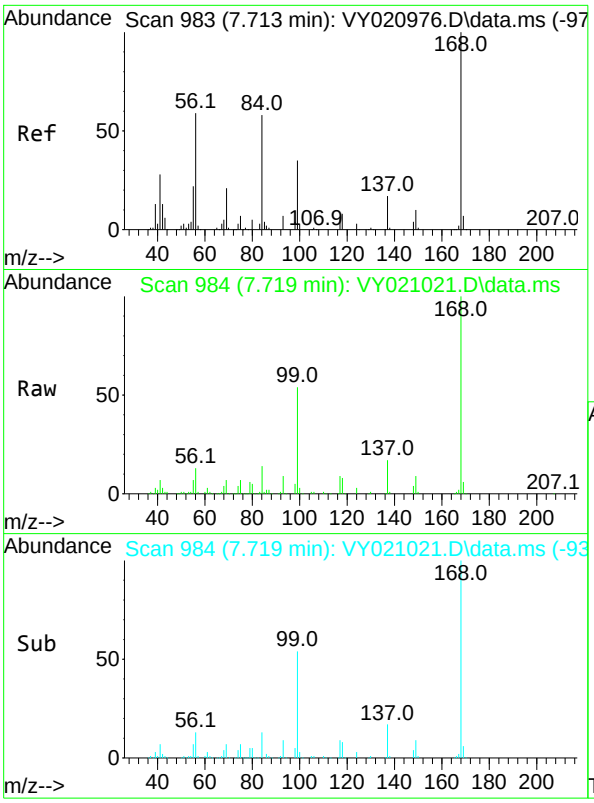
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



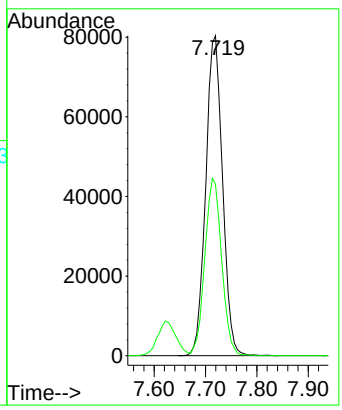


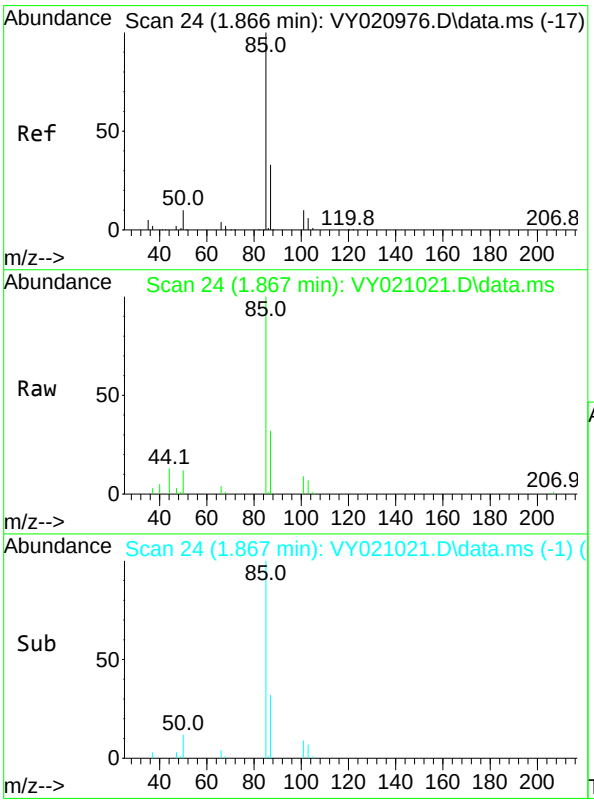
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 182294

Ion	Ratio	Lower	Upper
168	100		
99	53.6	42.2	63.2

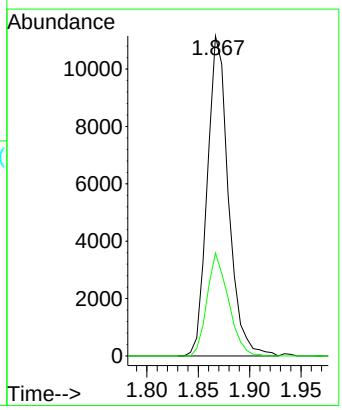


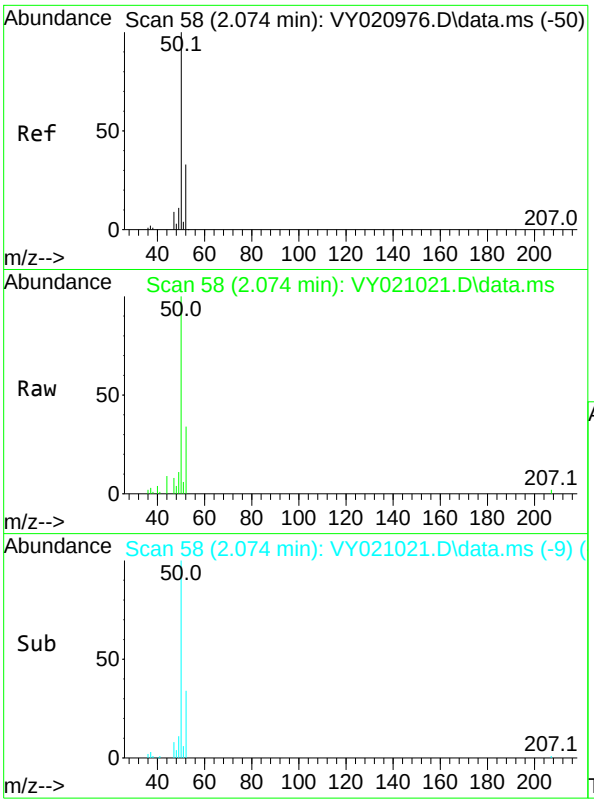


#2
Dichlorodifluoromethane
Concen: 10.296 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 85 Resp: 15959

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.9



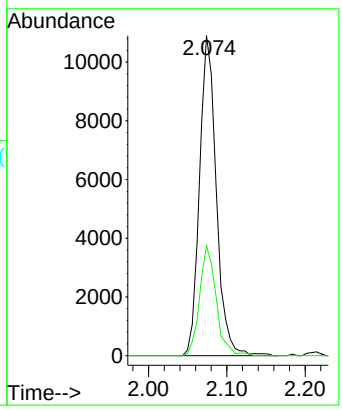


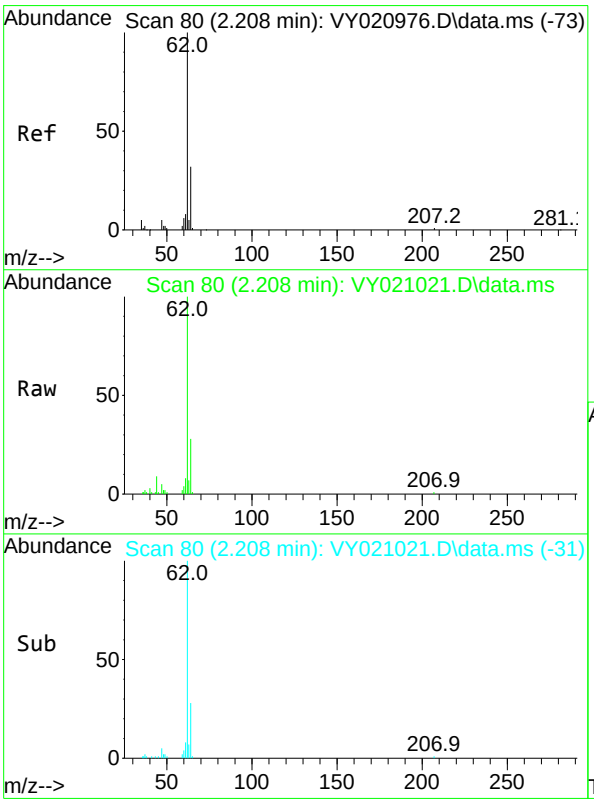
#3
Chloromethane
Concen: 16.458 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 16219

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.3	39.5

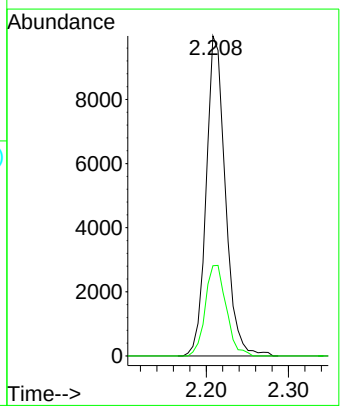


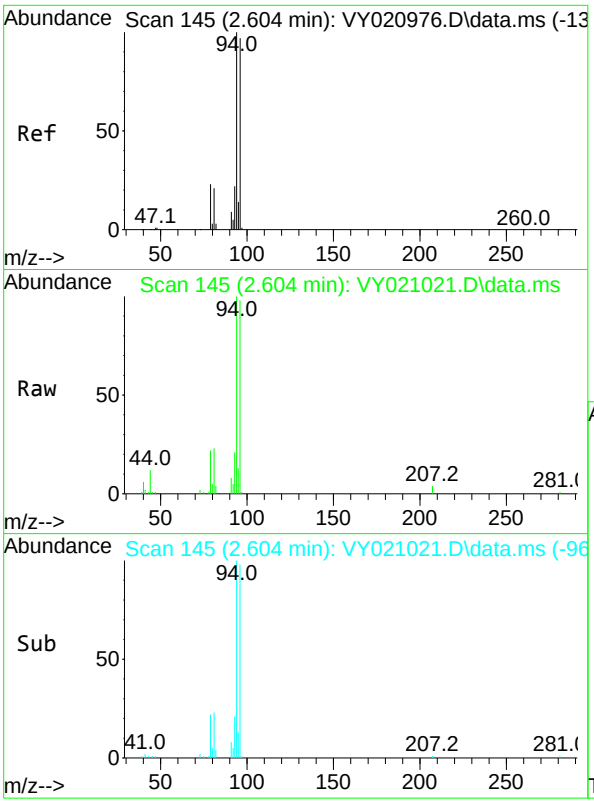


#4
Vinyl Chloride
Concen: 15.839 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 16094

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.4	38.2



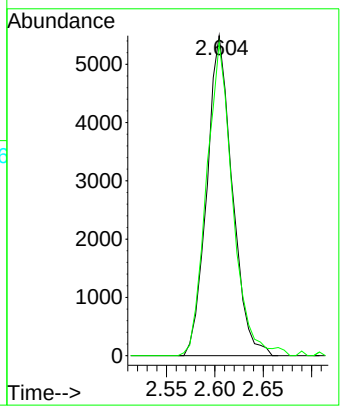


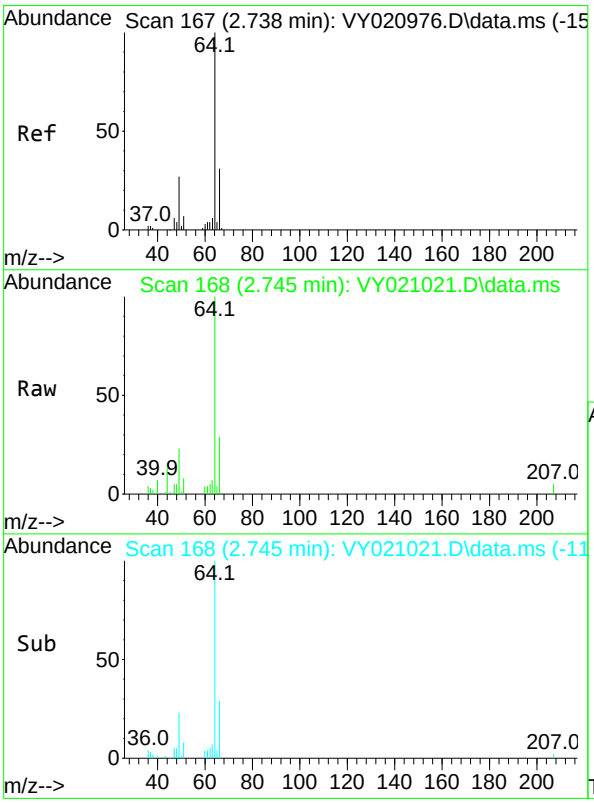
#5
Bromomethane
Concen: 14.599 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 10042

Ion	Ratio	Lower	Upper
94	100		
96	97.7	77.4	116.0

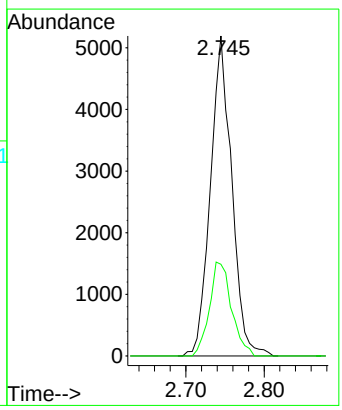


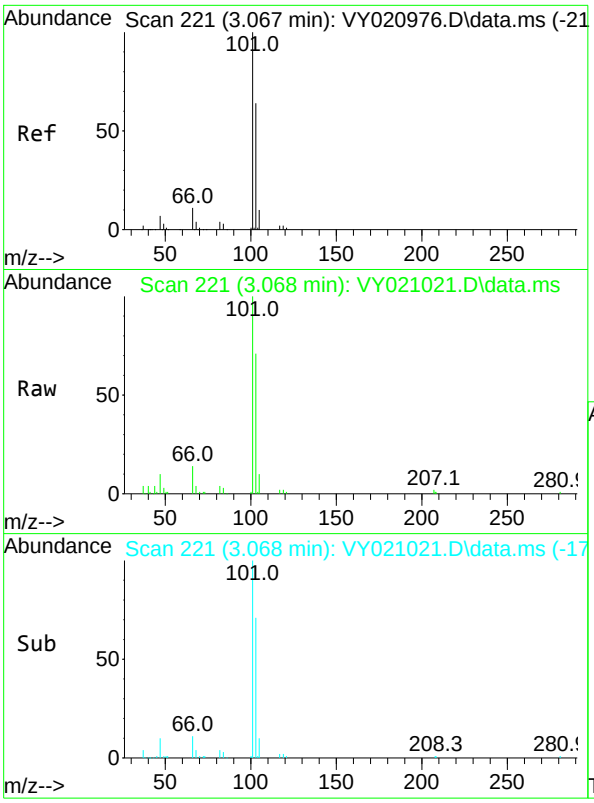


#6
Chloroethane
Concen: 16.561 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 64 Resp: 9830

Ion	Ratio	Lower	Upper
64	100		
66	28.6	25.0	37.4



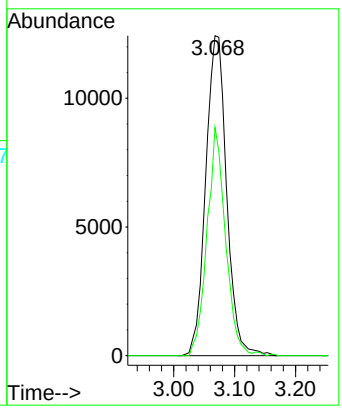


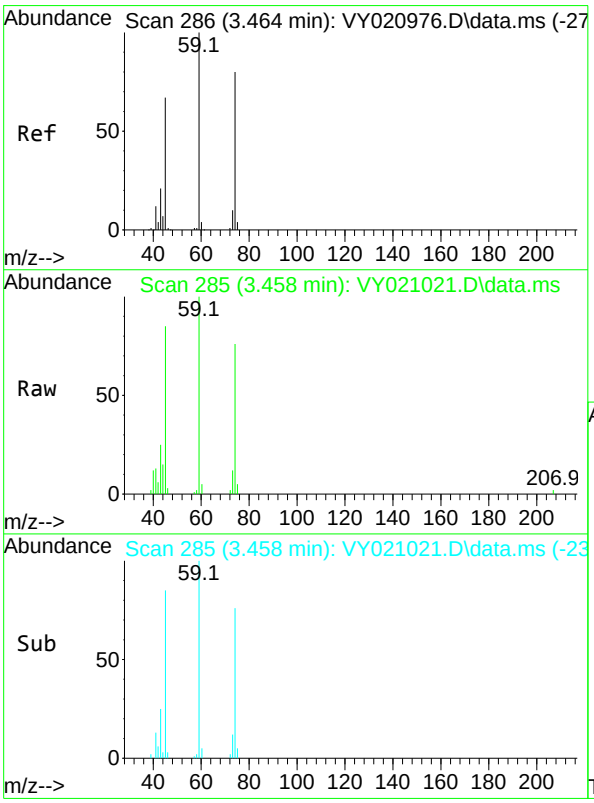
#7
Trichlorofluoromethane
Concen: 12.097 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 29663

Ion	Ratio	Lower	Upper
101	100		
103	71.3	50.9	76.3

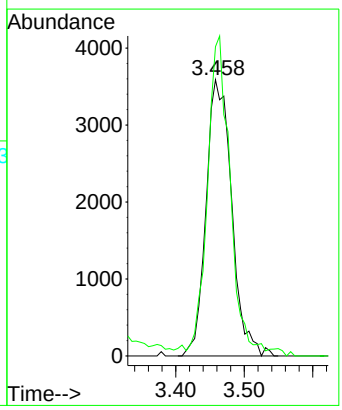


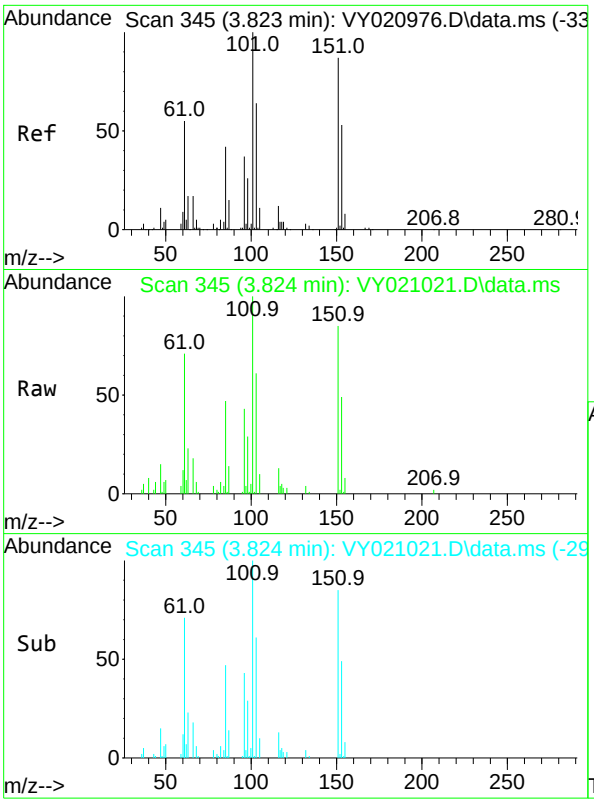


#8
Diethyl Ether
Concen: 12.745 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 74 Resp: 9330

Ion	Ratio	Lower	Upper
74	100		
45	97.0	43.4	130.2



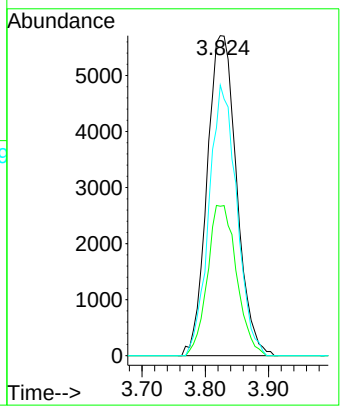


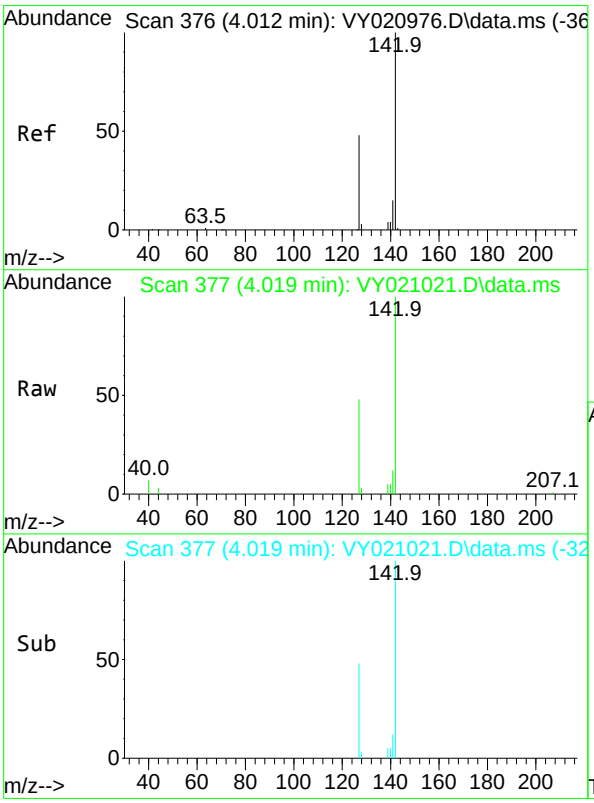
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.194 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 18483

Ion	Ratio	Lower	Upper
101	100		
85	46.3	34.9	52.3
151	79.6	66.8	100.2

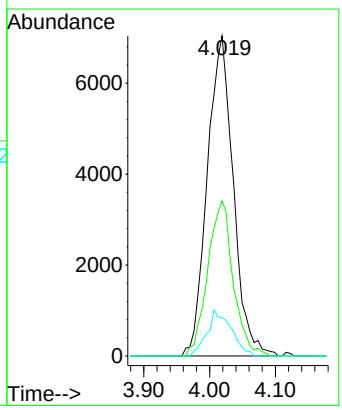


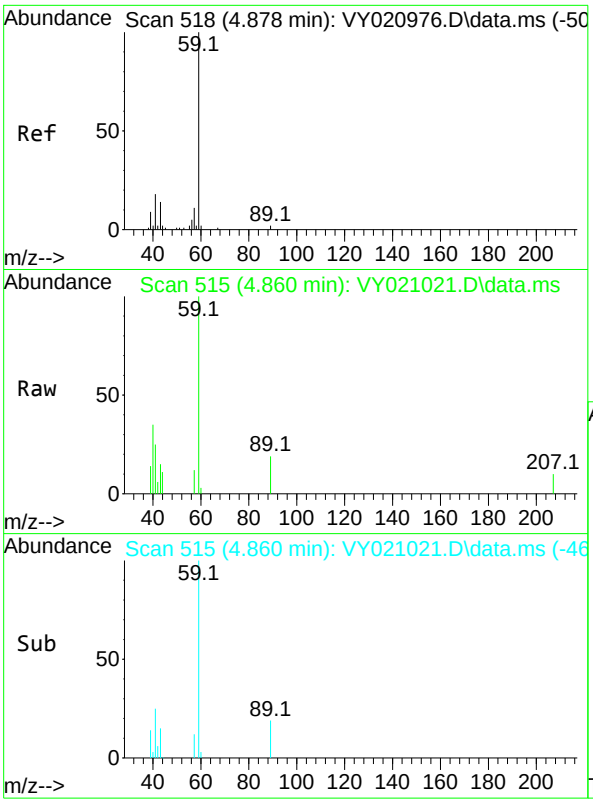


#10
Methyl Iodide
Concen: 10.258 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:142 Resp: 19381

Ion	Ratio	Lower	Upper
142	100		
127	47.5	38.9	58.3
141	13.3	11.7	17.5



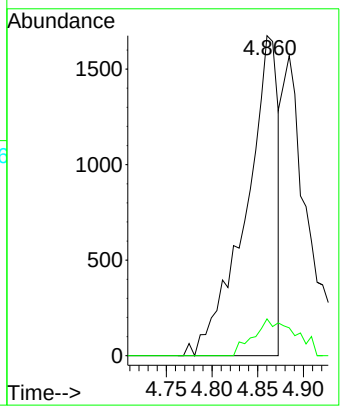


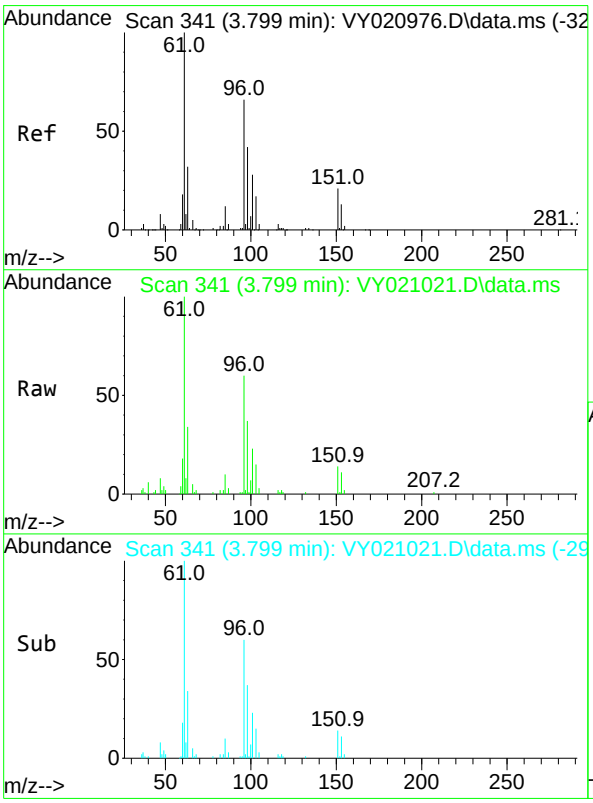
#11
Tert butyl alcohol
Concen: 36.180 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 4102

Ion	Ratio	Lower	Upper
59	100		
57	14.9	7.8	11.8#

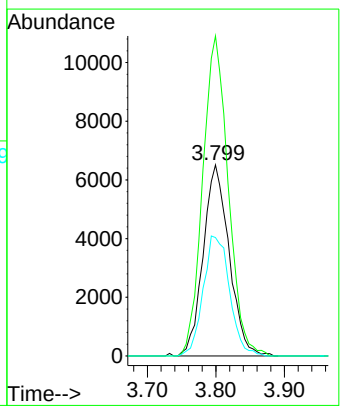


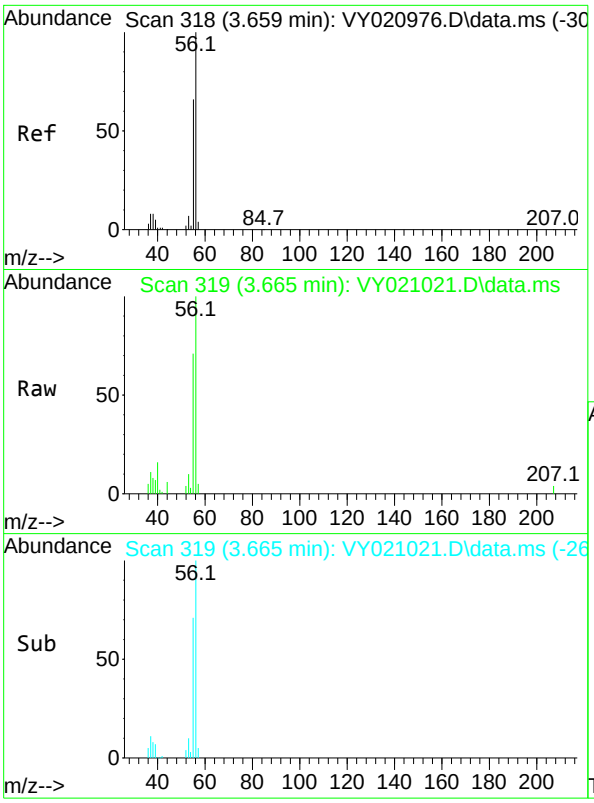


#12
1,1-Dichloroethene
Concen: 11.131 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 17176

Ion	Ratio	Lower	Upper
96	100		
61	167.5	120.8	181.2
98	62.0	50.6	76.0



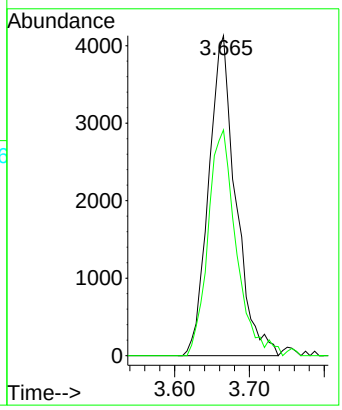


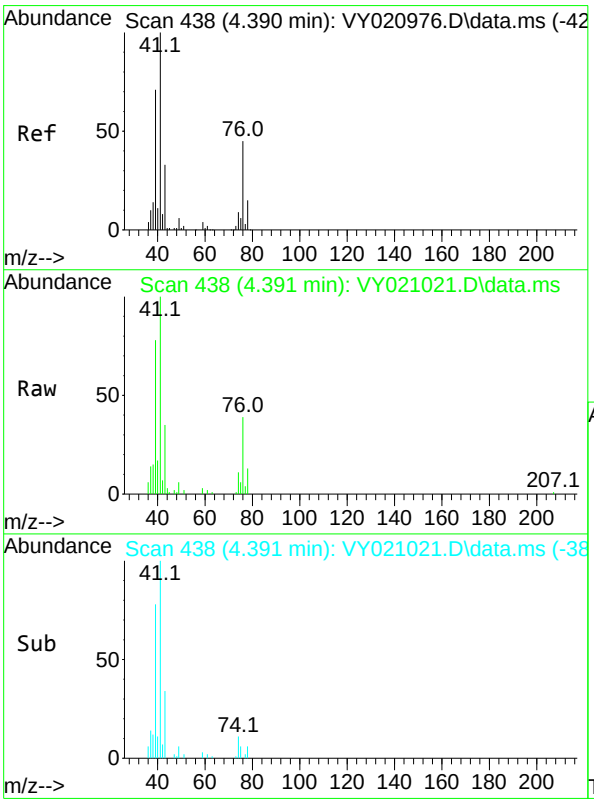
#13
Acrolein
Concen: 79.726 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 10409

Ion	Ratio	Lower	Upper
56	100		
55	73.3	56.1	84.1

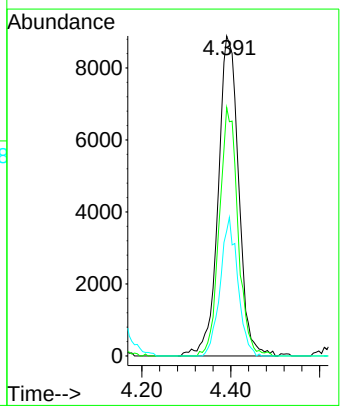


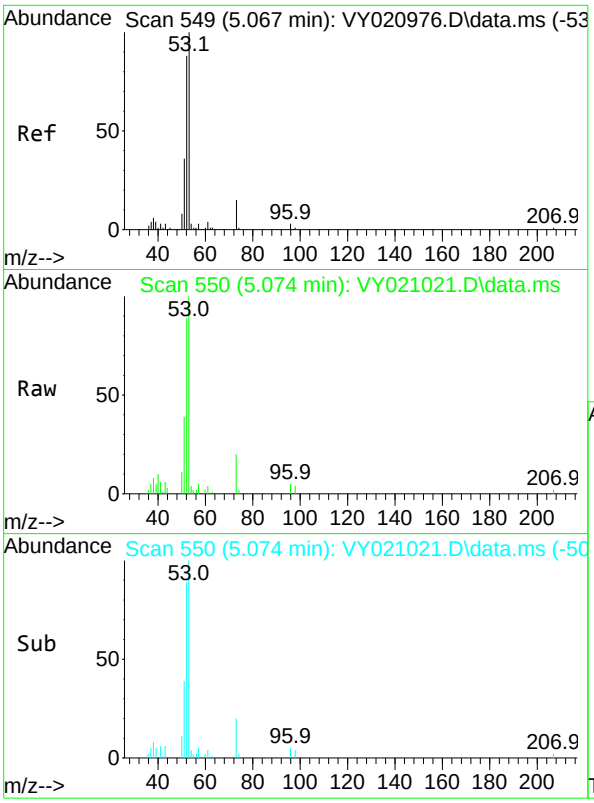


#14
Allyl chloride
Concen: 13.358 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 28376

Ion	Ratio	Lower	Upper
41	100		
39	70.7	53.5	80.3
76	37.1	34.6	52.0



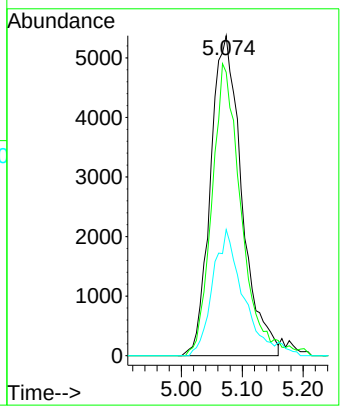


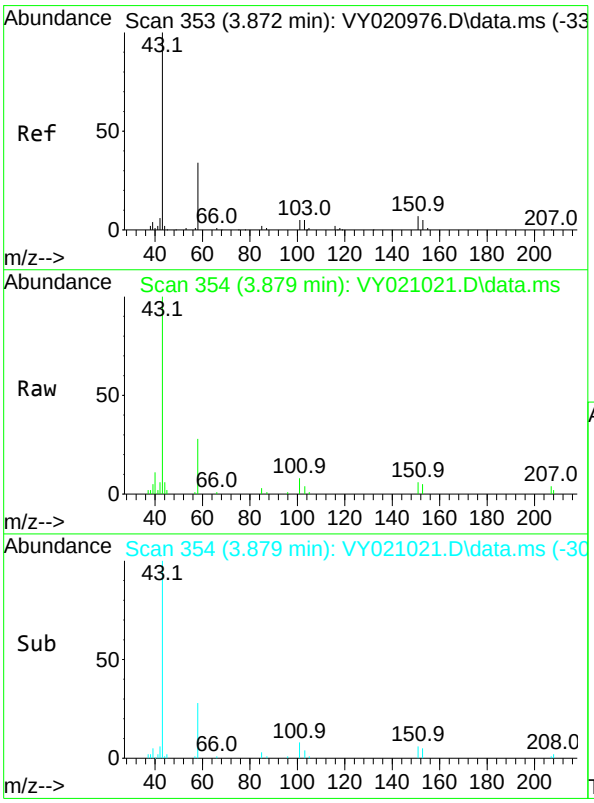
#15
Acrylonitrile
Concen: 63.446 ug/l
RT: 5.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 19104

Ion	Ratio	Lower	Upper
53	100		
52	86.0	66.2	99.4
51	38.0	29.4	44.0

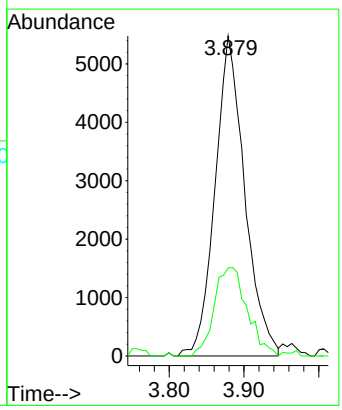


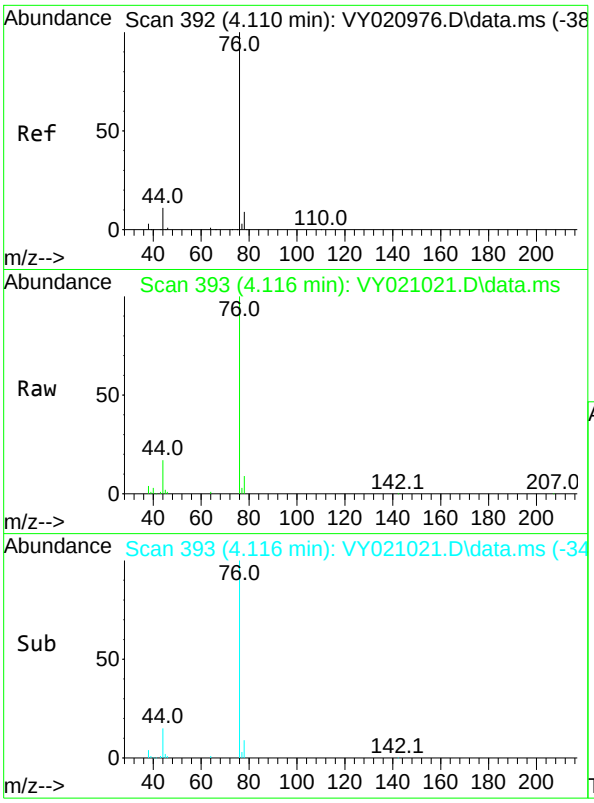


#16
Acetone
Concen: 71.438 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 15112

Ion	Ratio	Lower	Upper
43	100		
58	27.5	28.4	42.6#



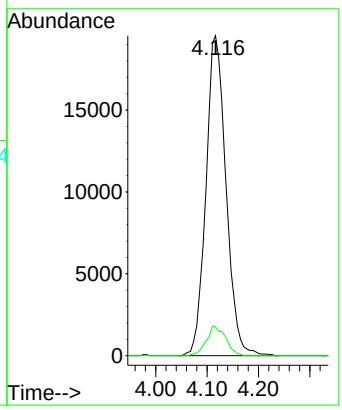


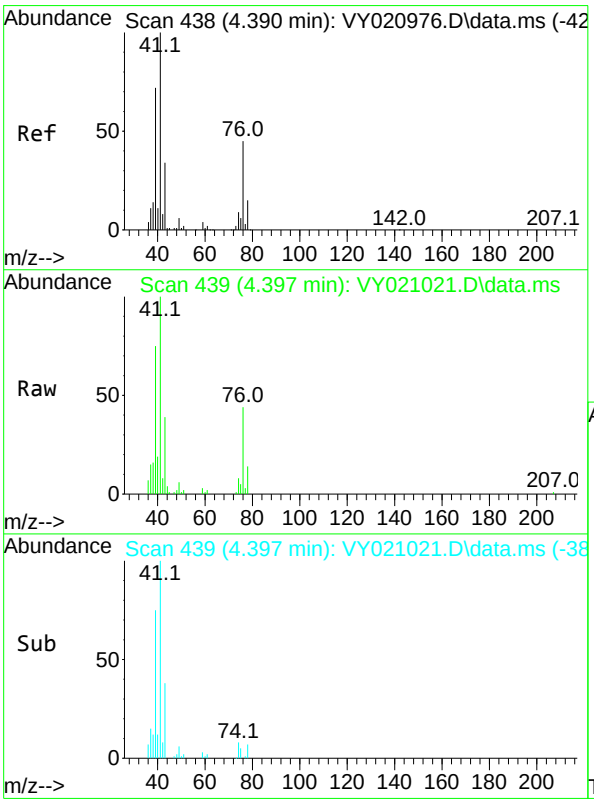
#17
Carbon Disulfide
Concen: 11.171 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 53088

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

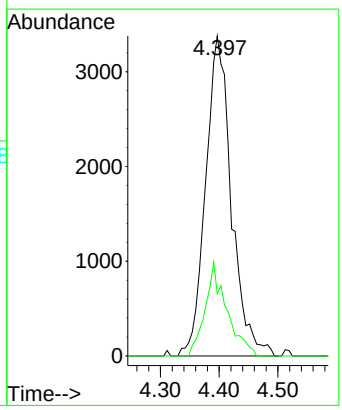


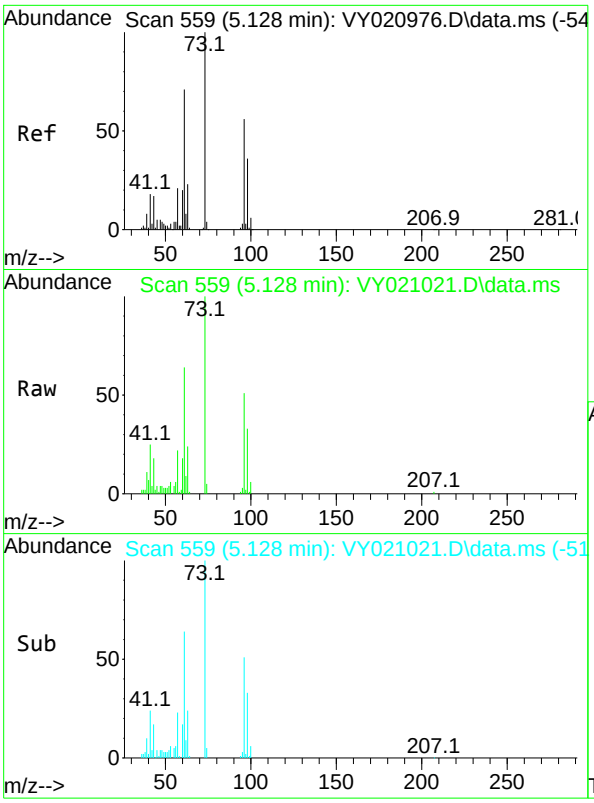


#18
Methyl Acetate
Concen: 13.911 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 10297

Ion	Ratio	Lower	Upper
43	100		
74	24.6	22.2	33.4



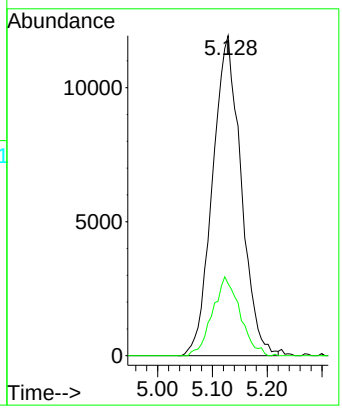


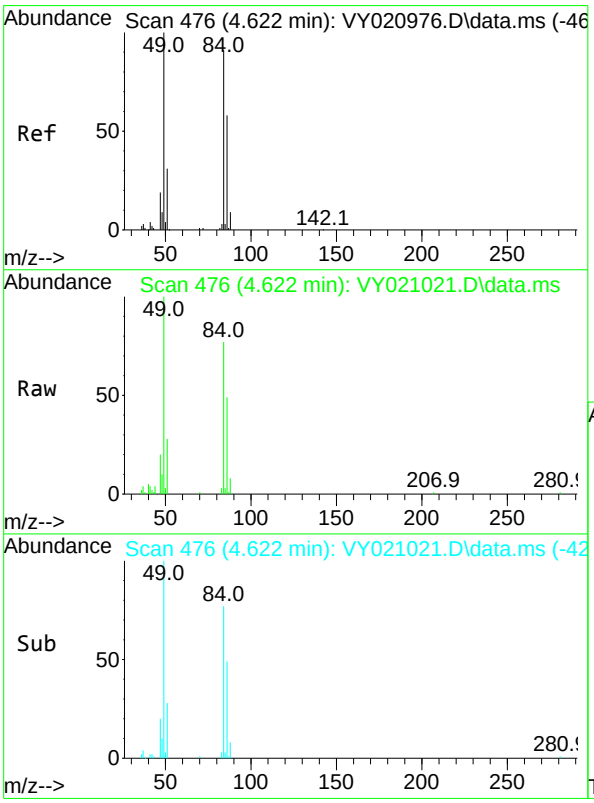
#19
Methyl tert-butyl Ether
Concen: 12.033 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 43216

Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.6	25.0

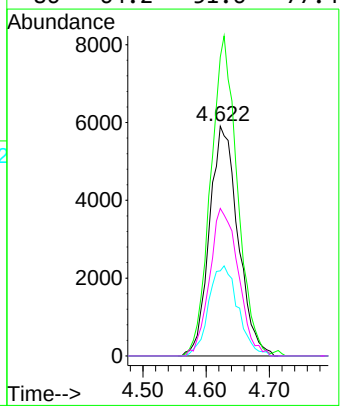


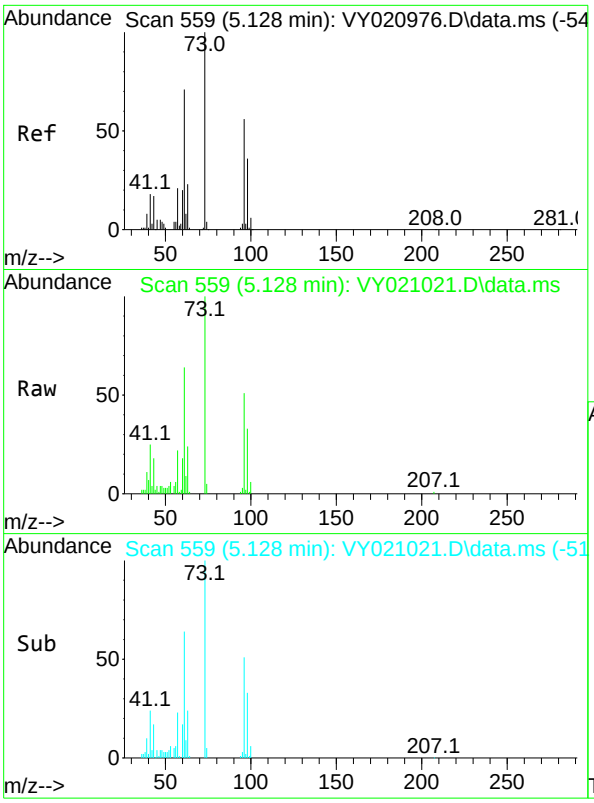


#20
Methylene Chloride
Concen: 11.829 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 84 Resp: 18455

Ion	Ratio	Lower	Upper
84	100		
49	130.0	88.3	132.5
51	37.0	27.7	41.5
86	64.2	51.6	77.4



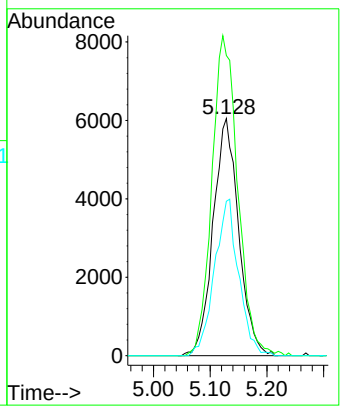


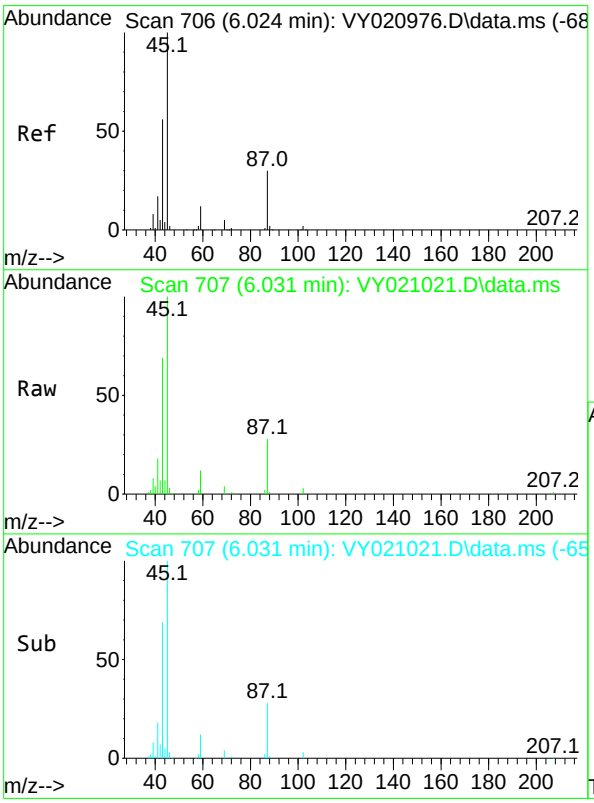
#21
trans-1,2-Dichloroethene
Concen: 11.426 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 18903

Ion	Ratio	Lower	Upper
96	100		
61	126.5	101.5	152.3
98	65.1	52.0	78.0

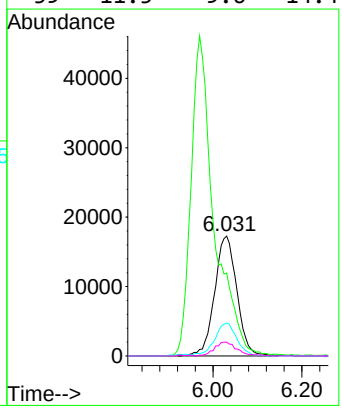


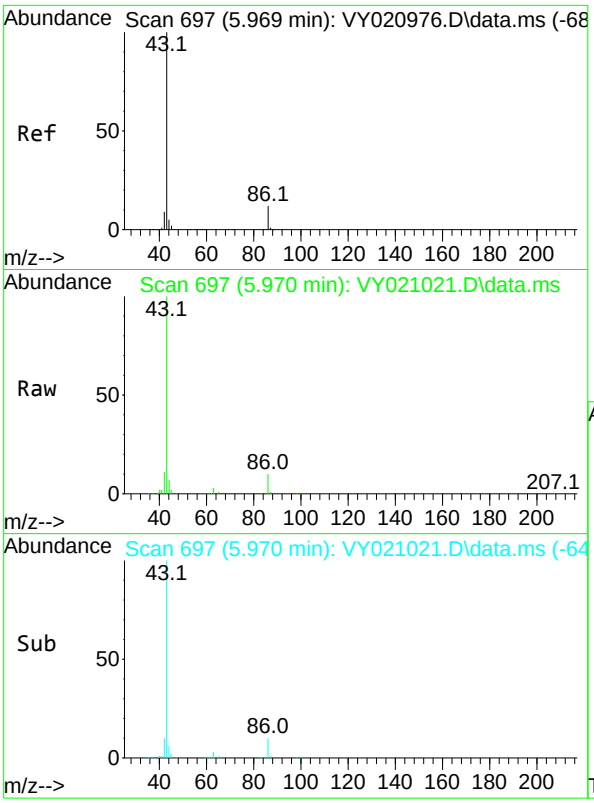


#22
Diisopropyl ether
Concen: 13.831 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 45 Resp: 59888

Ion	Ratio	Lower	Upper
45	100		
43	67.8	45.1	67.7#
87	27.5	25.0	37.4
59	11.5	9.6	14.4



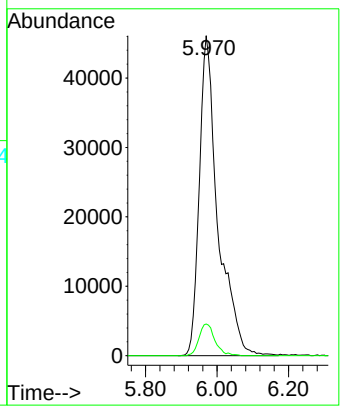


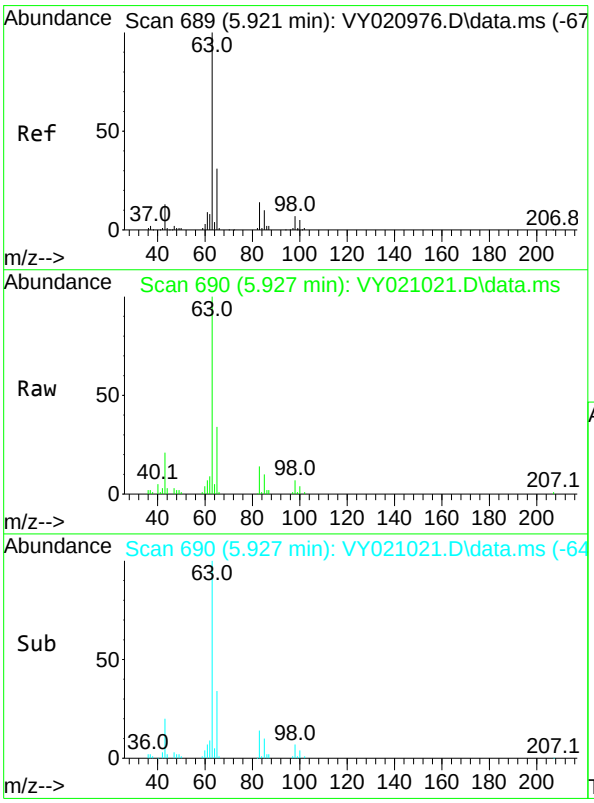
#23
Vinyl Acetate
Concen: 69.409 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 166437

Ion	Ratio	Lower	Upper
43	100		
86	9.9	9.7	14.5

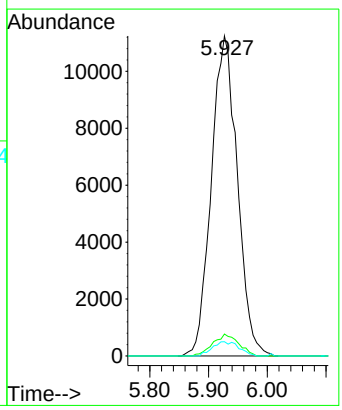


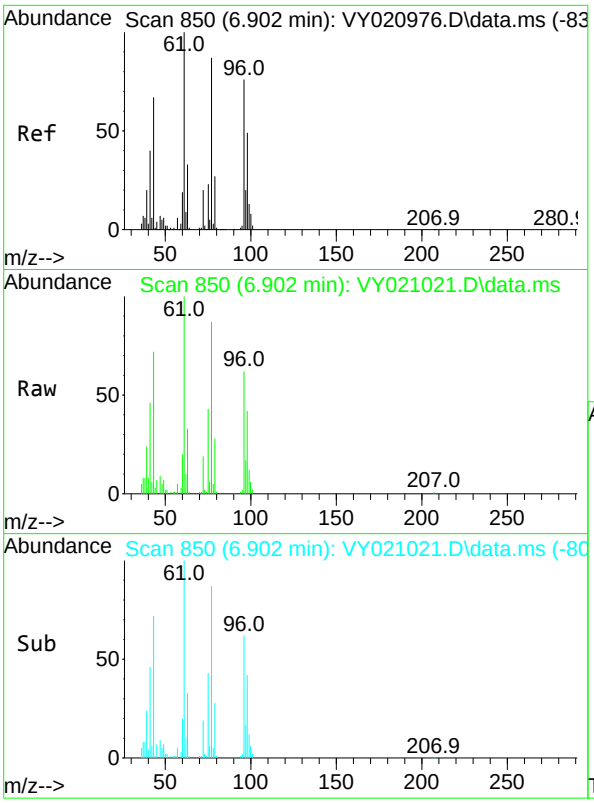


#24
1,1-Dichloroethane
Concen: 12.375 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 34569

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.4	2.4	7.2



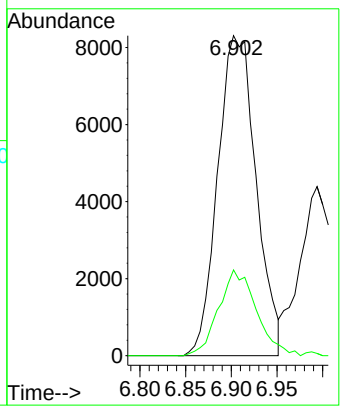


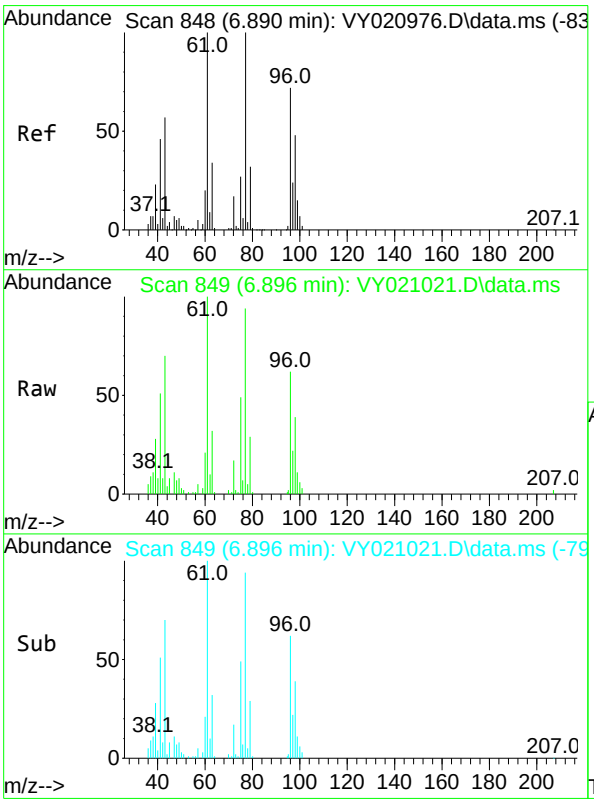
#25
2-Butanone
Concen: 67.624 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 24268

Ion	Ratio	Lower	Upper
43	100		
72	26.8	24.3	36.5

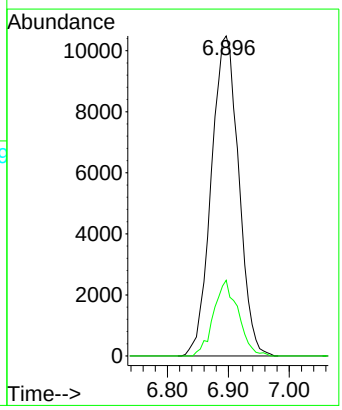


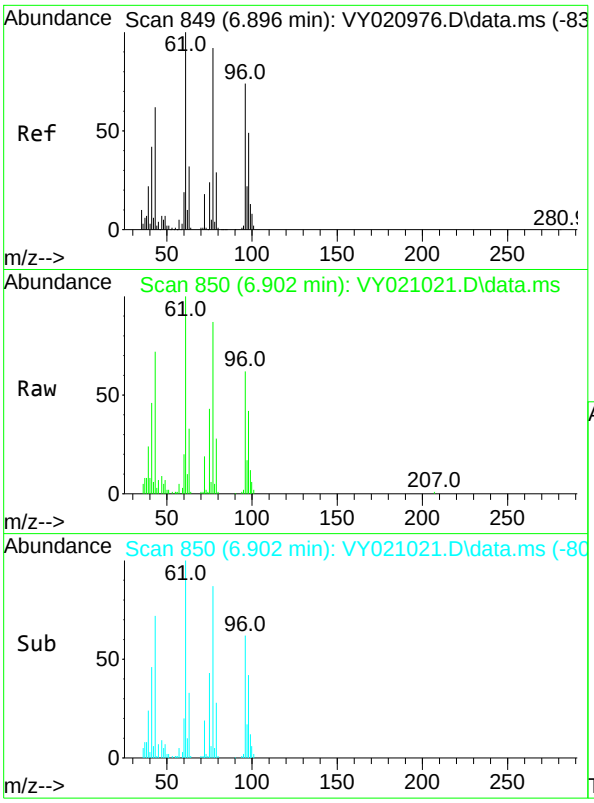


#26
2,2-Dichloropropane
Concen: 11.915 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 77 Resp: 32771

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.4	34.2



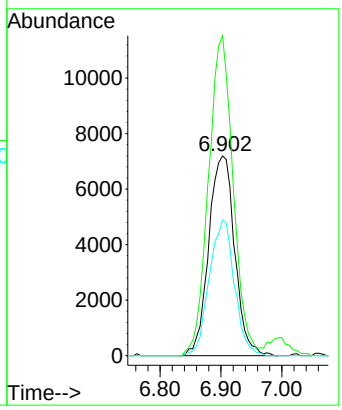


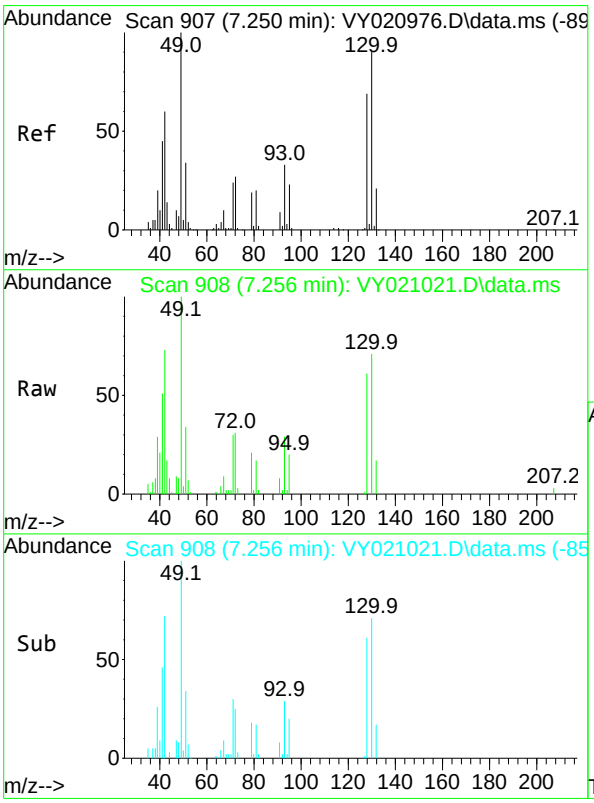
#27
cis-1,2-Dichloroethene
Concen: 11.206 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 21309

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	274.0
98	65.8	0.0	130.4

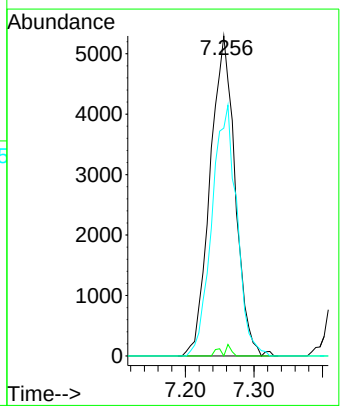


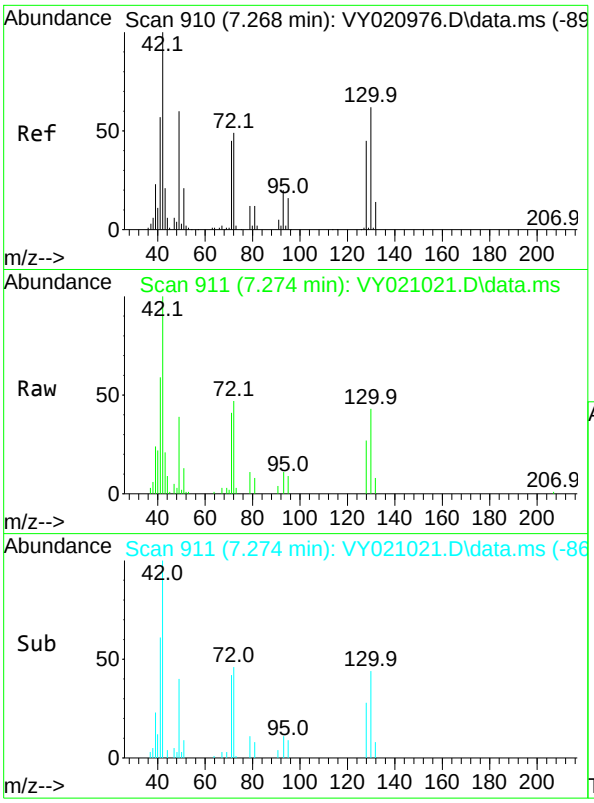


#28
Bromochloromethane
Concen: 12.892 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 49 Resp: 13417

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	5.0
130	78.2	73.2	109.8



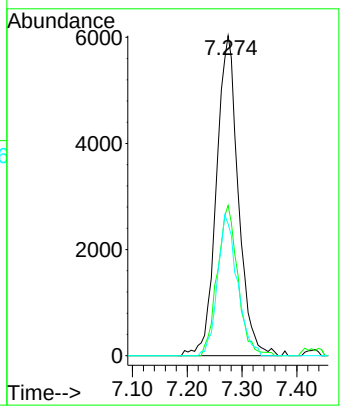


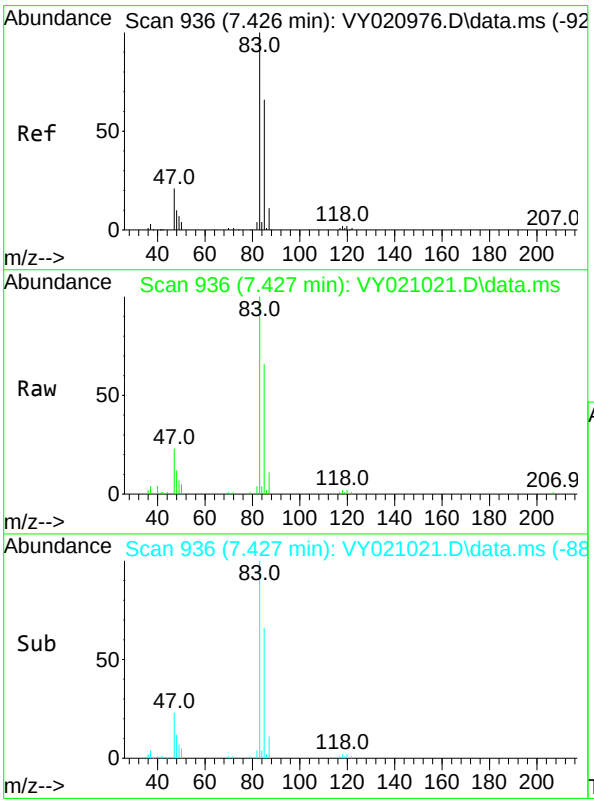
#29
Tetrahydrofuran
Concen: 69.395 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 16758

Ion	Ratio	Lower	Upper
42	100		
72	43.8	39.3	58.9
71	39.8	36.1	54.1

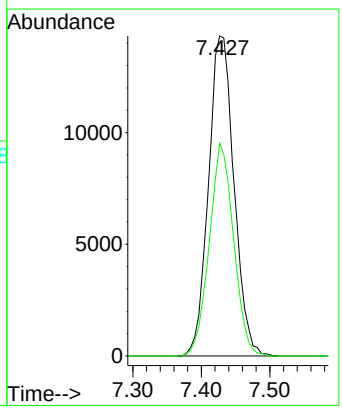


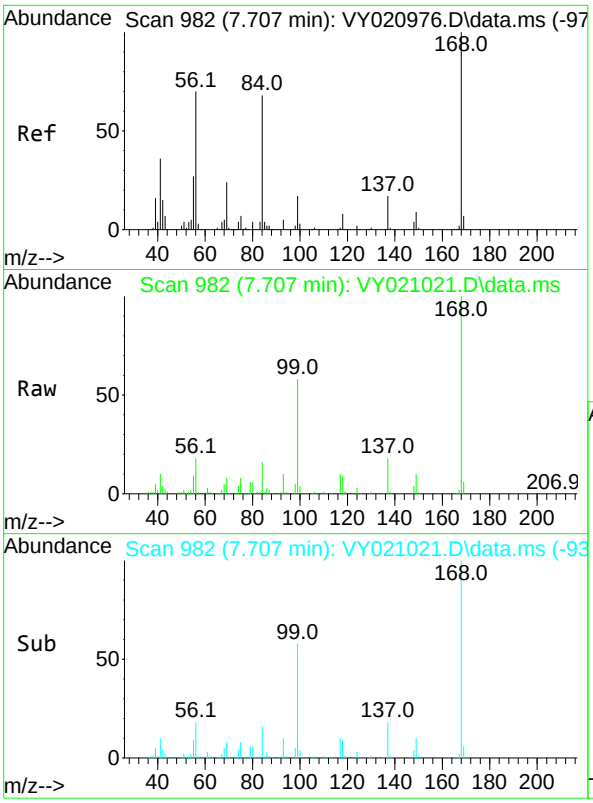


#30
Chloroform
Concen: 12.247 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 37054

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.9	79.3



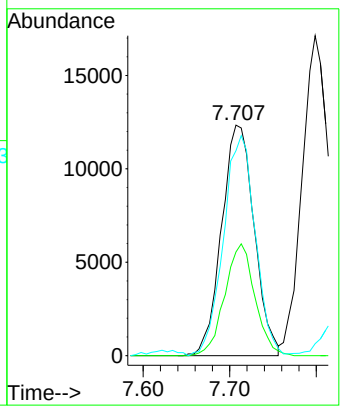


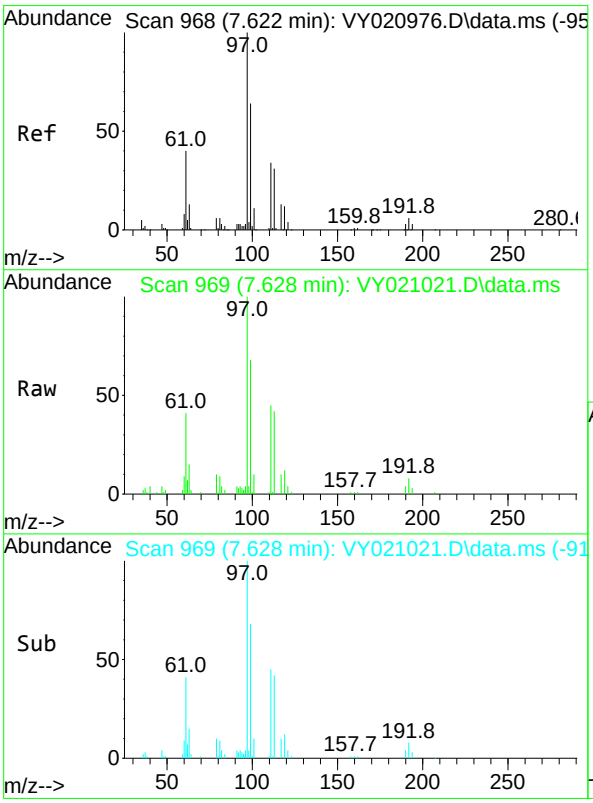
#31
Cyclohexane
Concen: 11.819 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 32272

Ion	Ratio	Lower	Upper
56	100		
69	44.9	27.7	41.5#
84	87.6	77.5	116.3

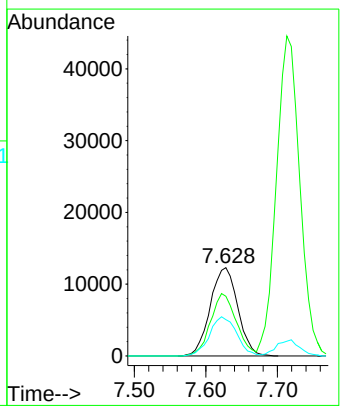


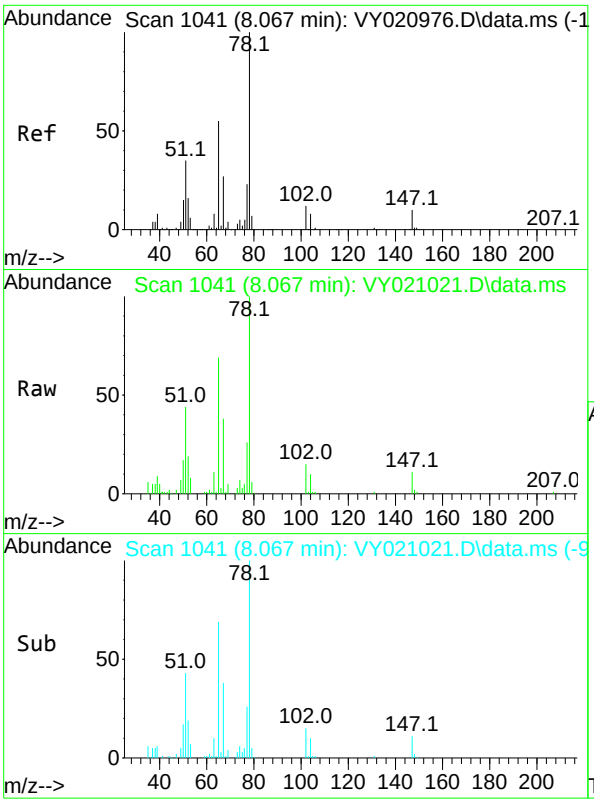


#32
1,1,1-Trichloroethane
Concen: 11.223 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 32862

Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.4	77.0
61	43.8	31.4	47.0



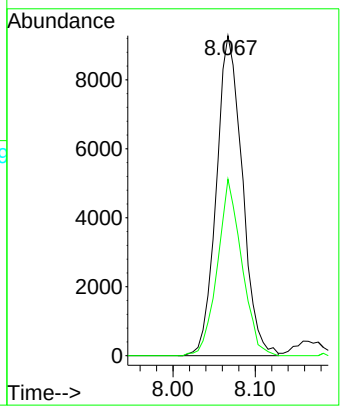


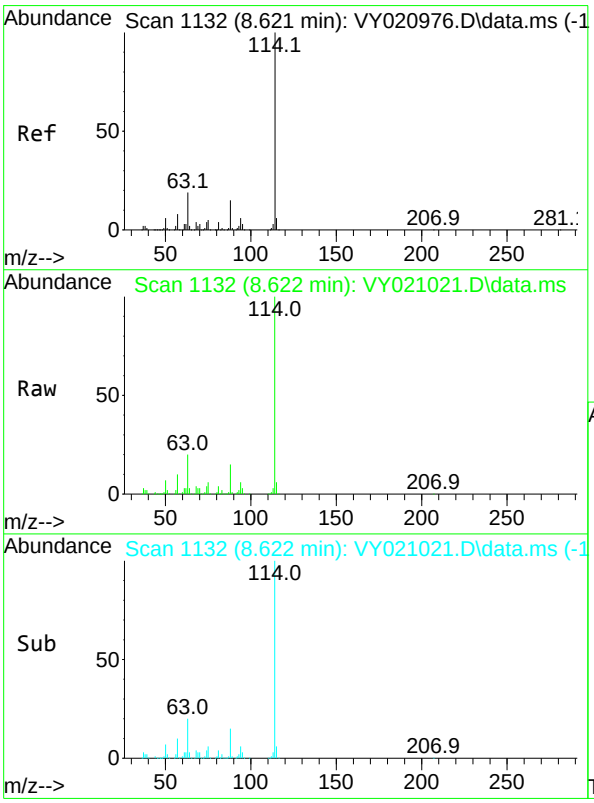
#33
1,2-Dichloroethane-d4
Concen: 13.075 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 20294

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.4

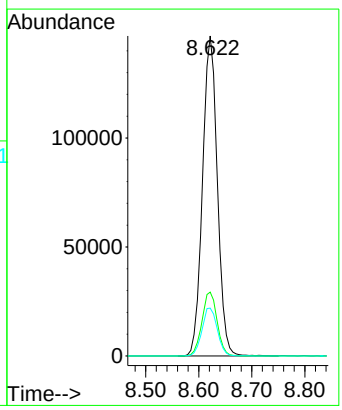


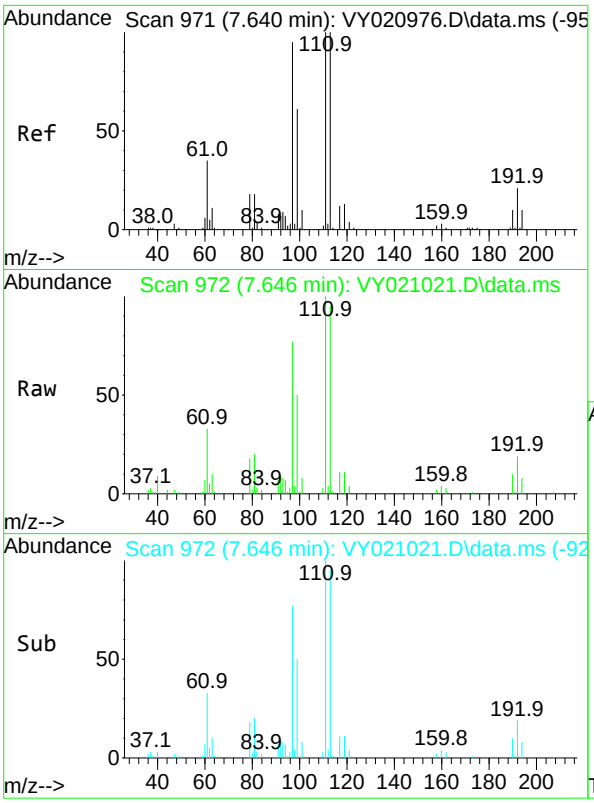


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:114 Resp: 285332

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	37.2
88	15.0	0.0	29.6



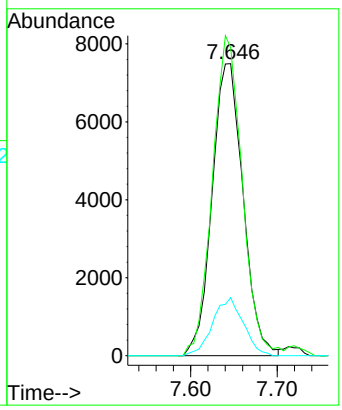


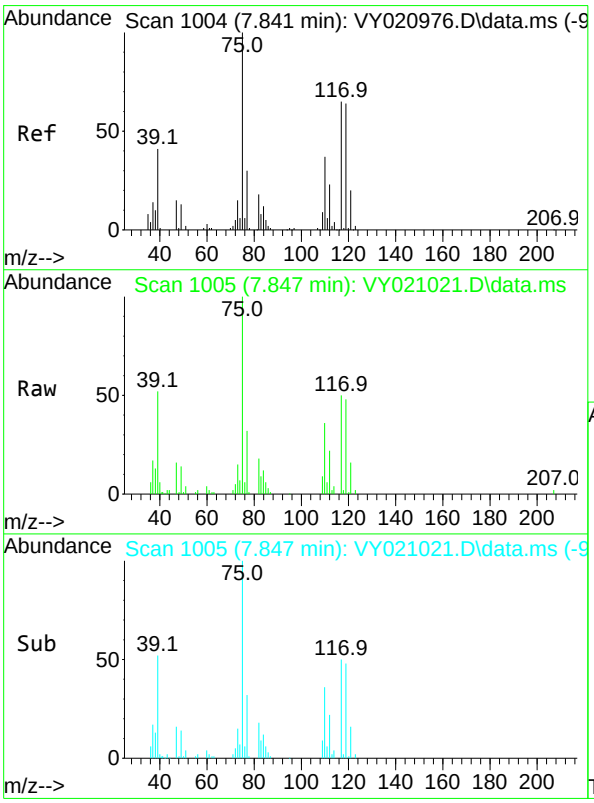
#35
Dibromofluoromethane
Concen: 10.859 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 18627

Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.6	123.8
192	19.6	16.8	25.2

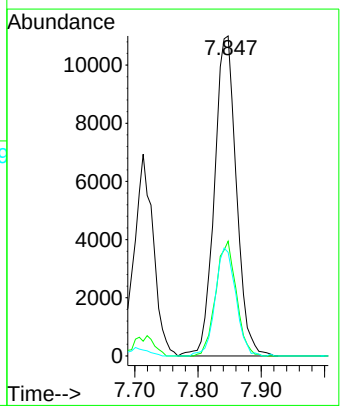


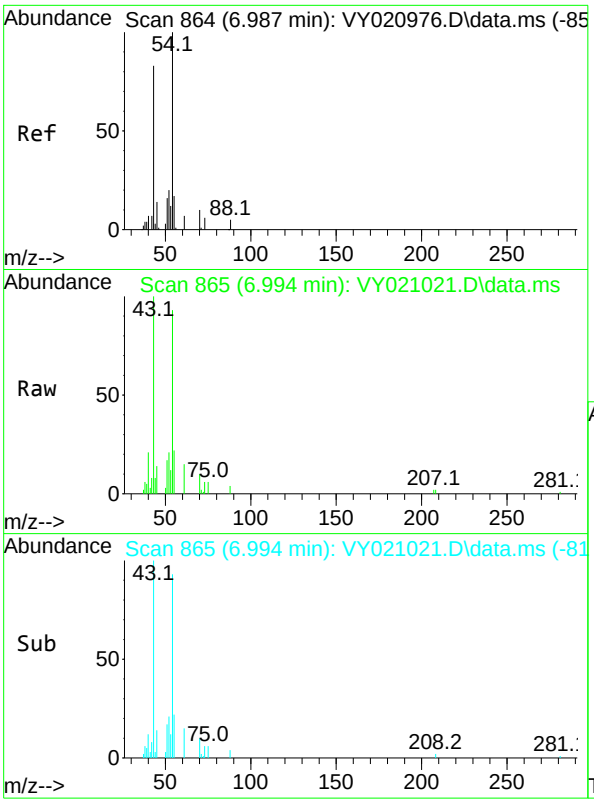


#36
1,1-Dichloropropene
Concen: 10.820 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 26479

Ion	Ratio	Lower	Upper
75	100		
110	33.6	18.4	55.2
77	31.8	24.9	37.3



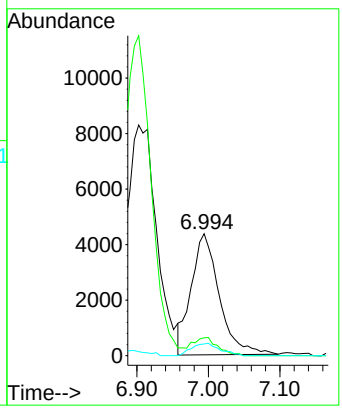


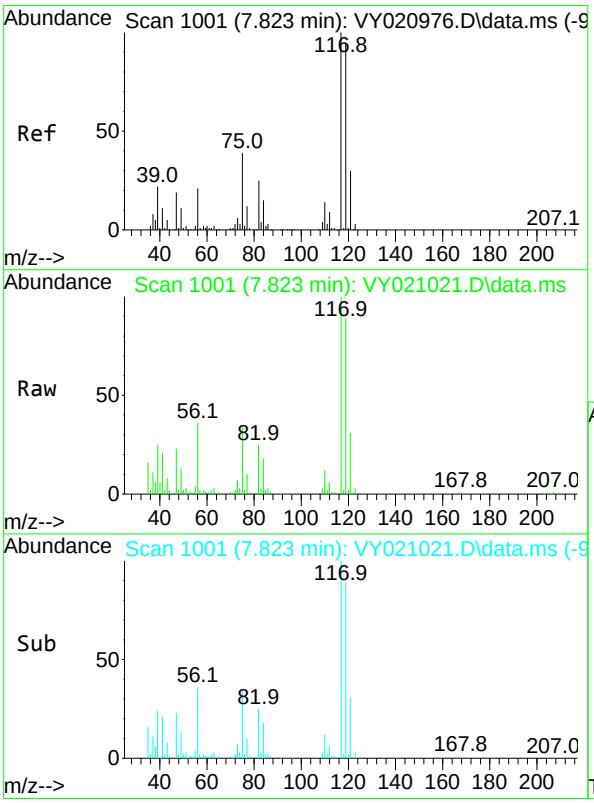
#37
Ethyl Acetate
Concen: 13.017 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 11876

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.4	17.0
70	10.3	9.6	14.4

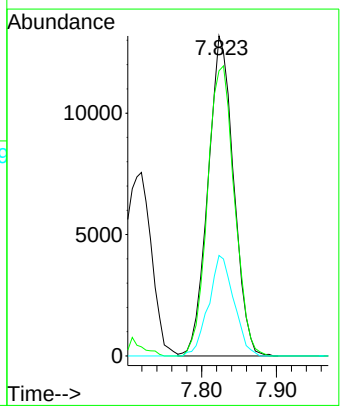


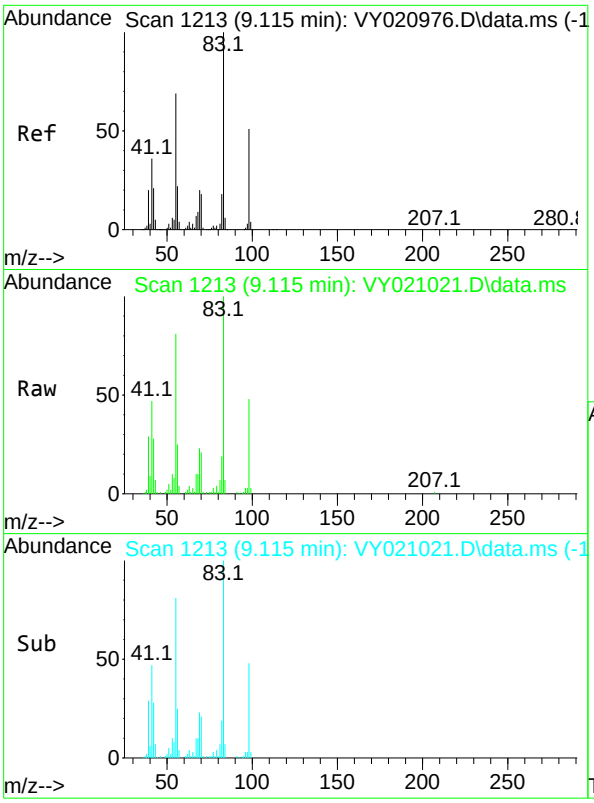


#38
Carbon Tetrachloride
Concen: 10.389 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 31462

Ion	Ratio	Lower	Upper
117	100		
119	89.1	75.0	112.6
121	31.4	24.2	36.2



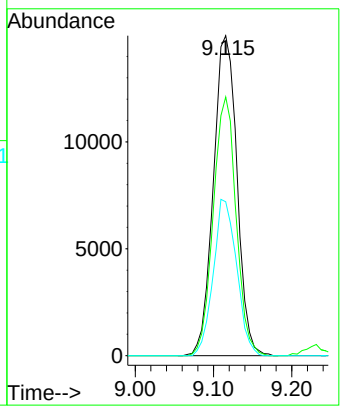


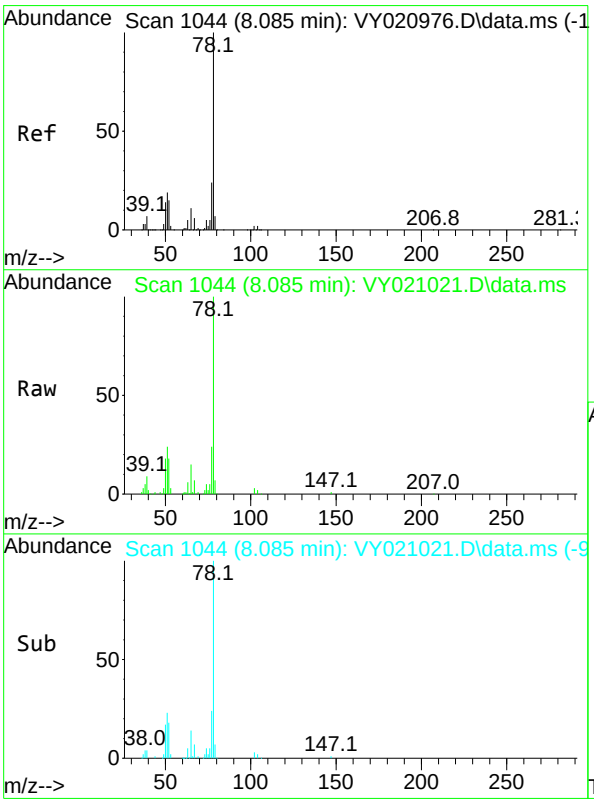
#39
Methylcyclohexane
Concen: 9.549 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 31392

Ion	Ratio	Lower	Upper
83	100		
55	80.9	54.9	82.3
98	48.1	40.5	60.7

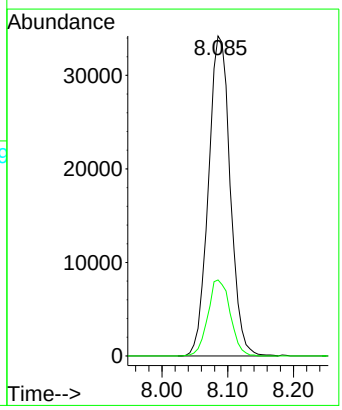


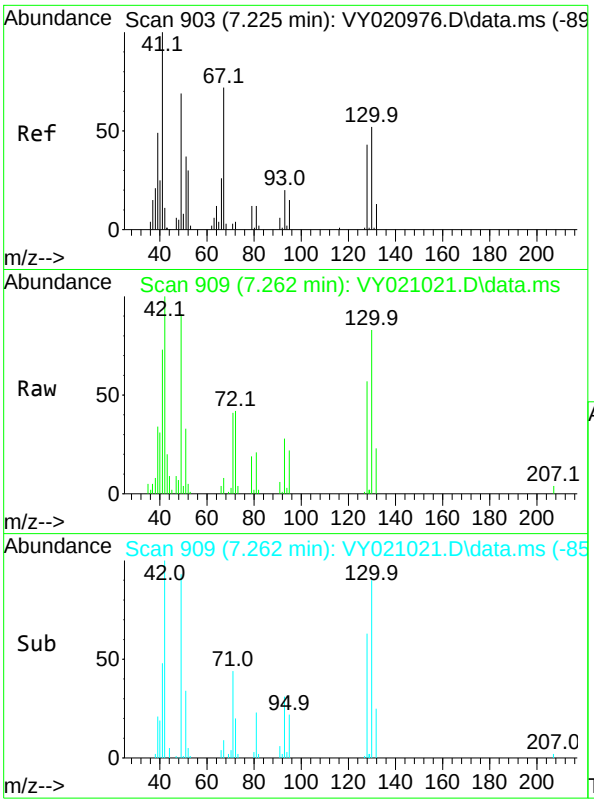


#40
Benzene
Concen: 10.950 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 78 Resp: 78846

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.2



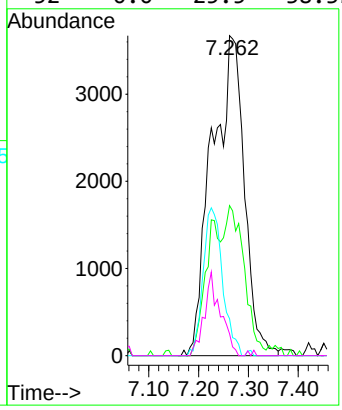


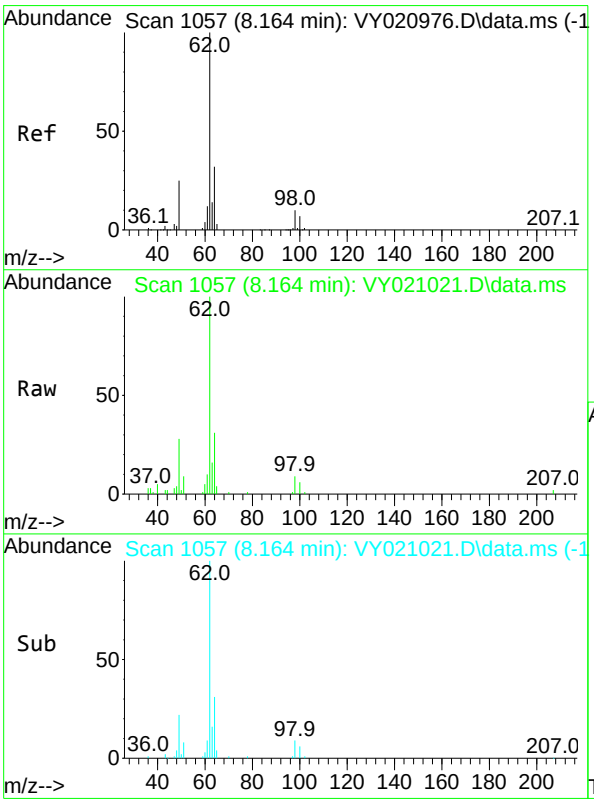
#41
Methacrylonitrile
Concen: 32.608 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 16460

Ion	Ratio	Lower	Upper
41	100		
39	25.2	41.6	62.4#
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#

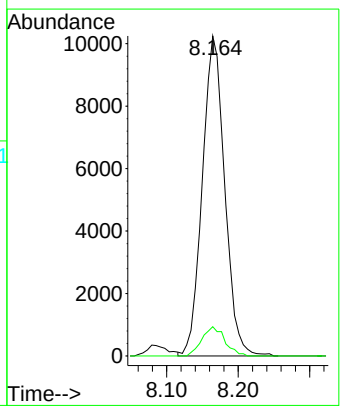


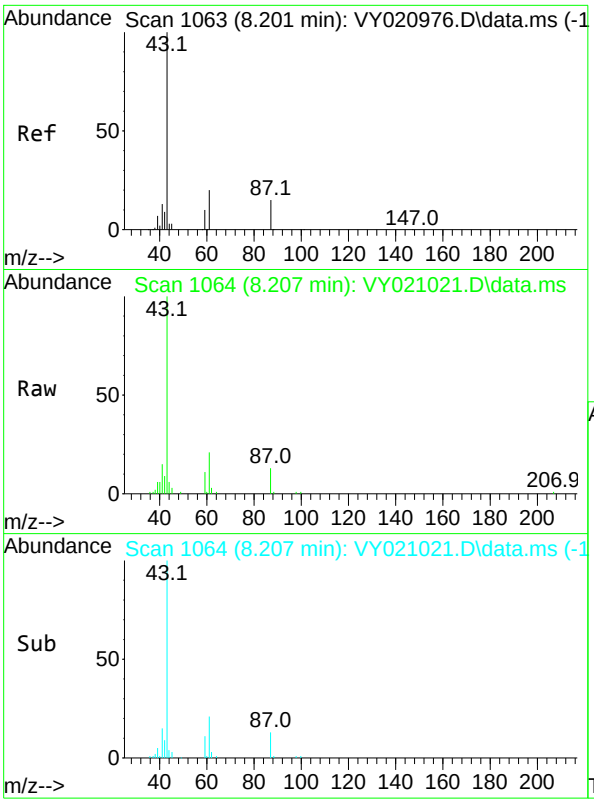


#42
1,2-Dichloroethane
Concen: 12.201 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 22281

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4



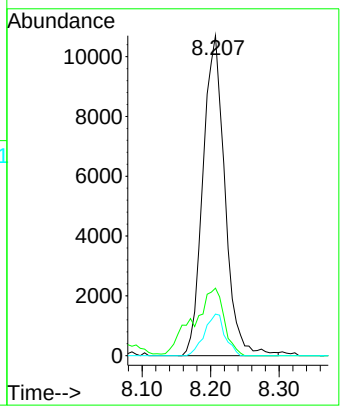


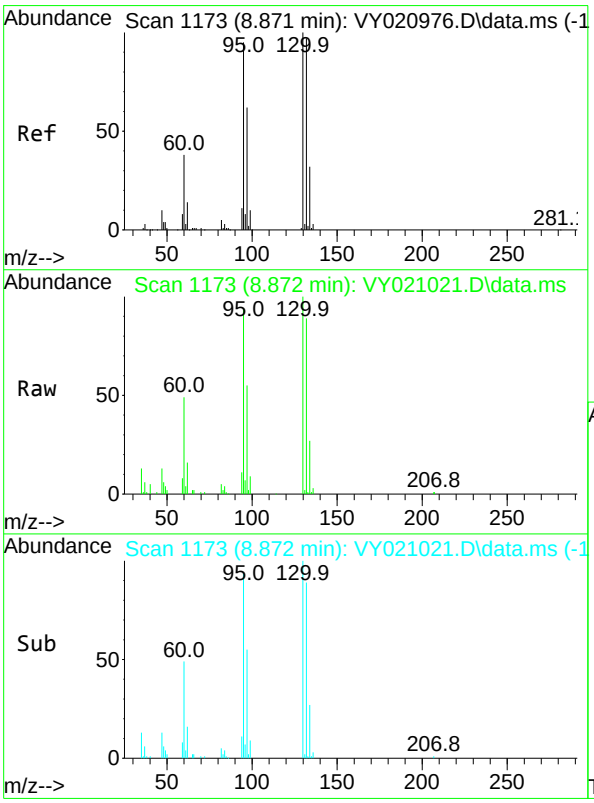
#43
Isopropyl Acetate
Concen: 13.055 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 23795

Ion	Ratio	Lower	Upper
43	100		
61	29.8	15.8	23.6#
87	12.1	12.5	18.7#

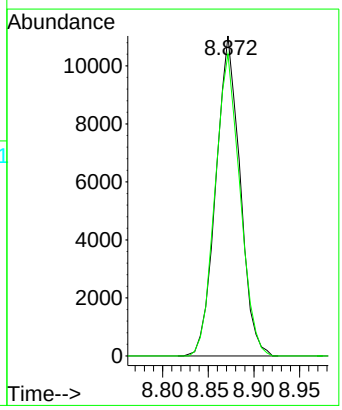


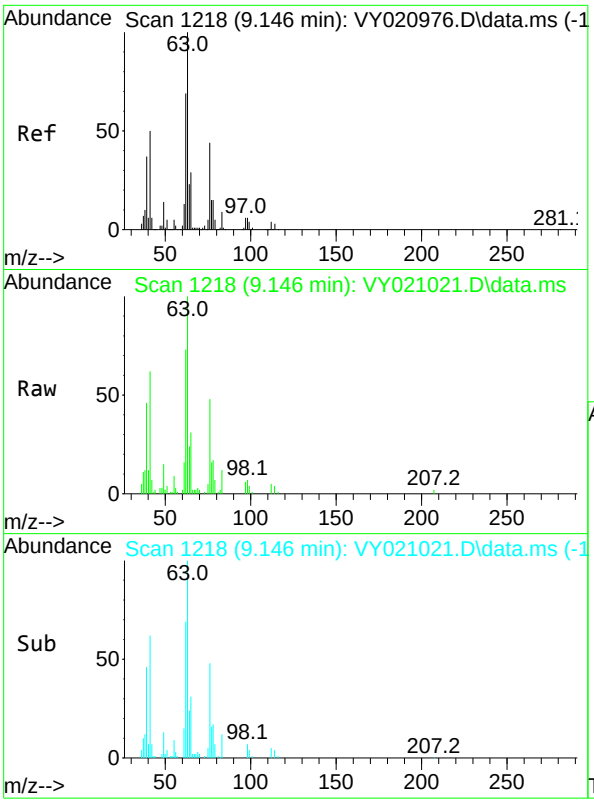


#44
Trichloroethene
Concen: 10.197 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:130 Resp: 20261

Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	189.6



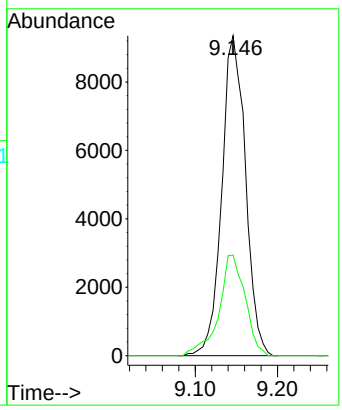


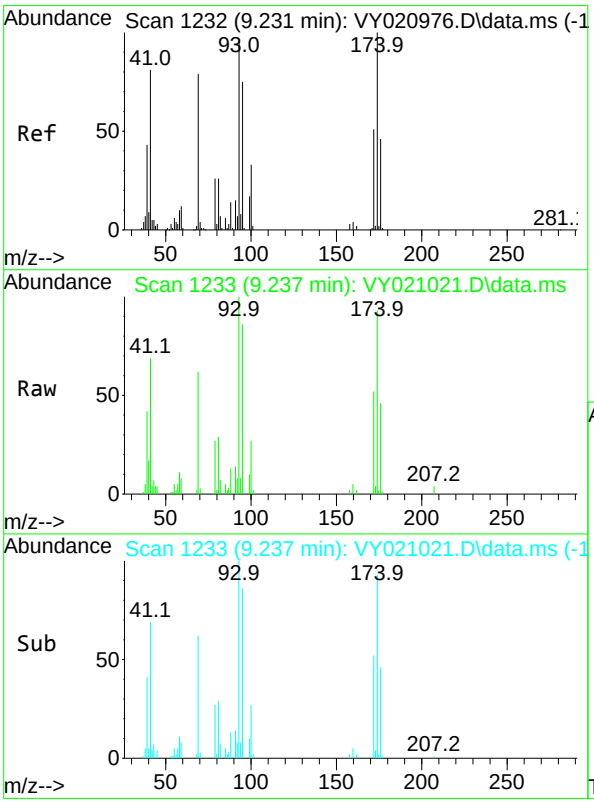
#45
1,2-Dichloropropane
Concen: 11.627 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 18765

Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.6	35.4

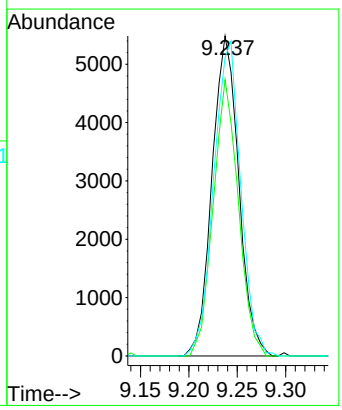


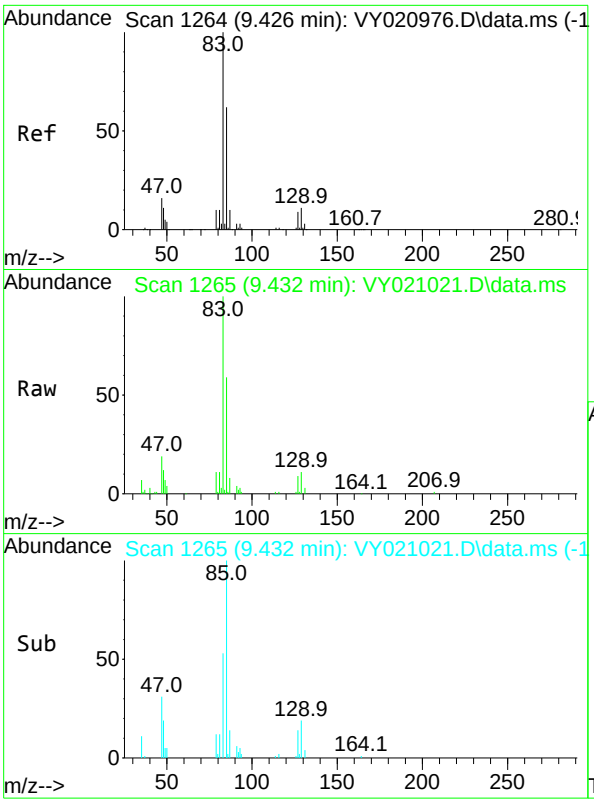


#46
Dibromomethane
Concen: 11.191 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 93 Resp: 10511

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	99.5	88.1	132.1



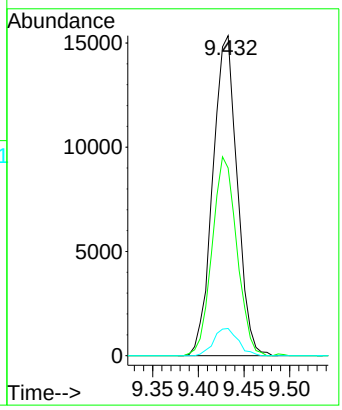


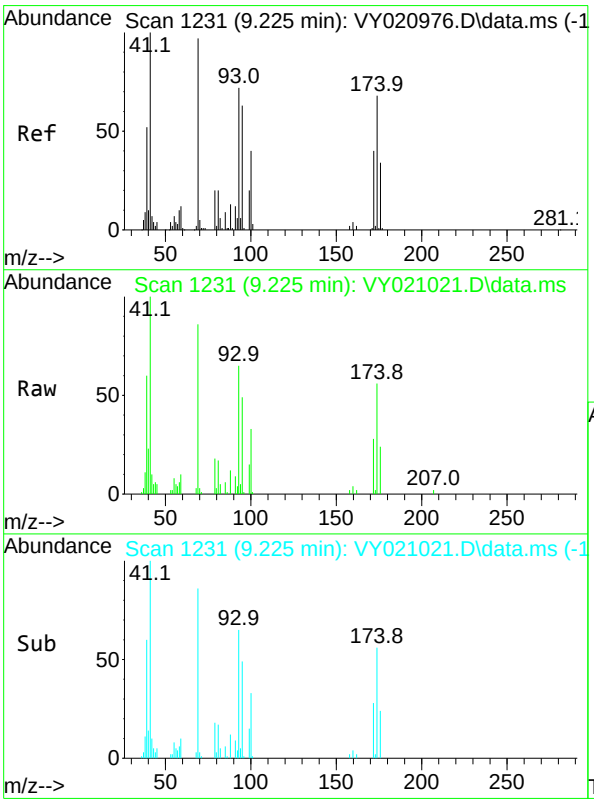
#47
Bromodichloromethane
Concen: 11.570 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 28538

Ion	Ratio	Lower	Upper
83	100		
85	58.7	49.6	74.4
127	8.5	7.1	10.7

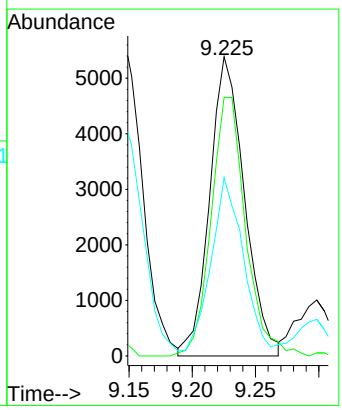


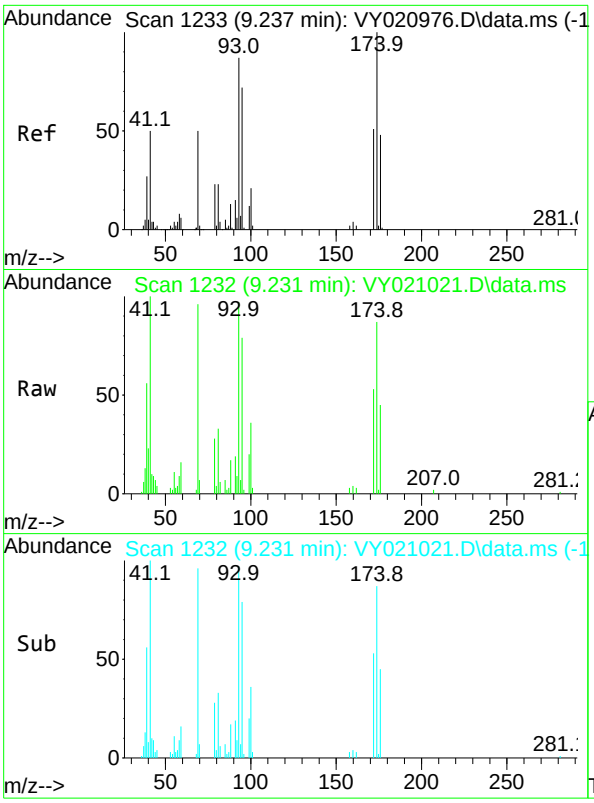


#48
Methyl methacrylate
Concen: 11.866 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 10297

Ion	Ratio	Lower	Upper
41	100		
69	85.7	75.6	113.4
39	54.0	41.3	61.9



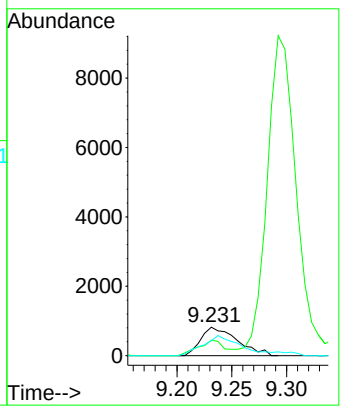


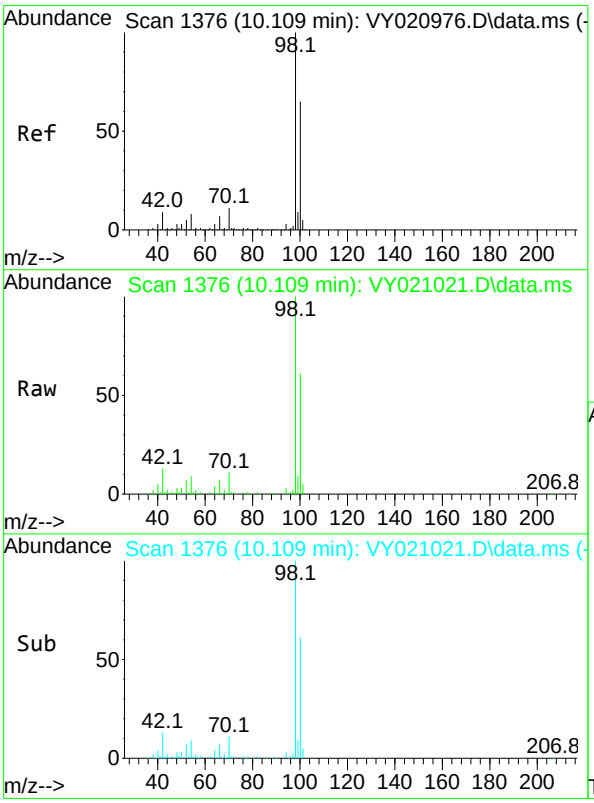
#49
1,4-Dioxane
Concen: 188.876 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 1885

Ion	Ratio	Lower	Upper
88	100		
43	39.2	24.2	36.4#
58	79.4	57.3	85.9

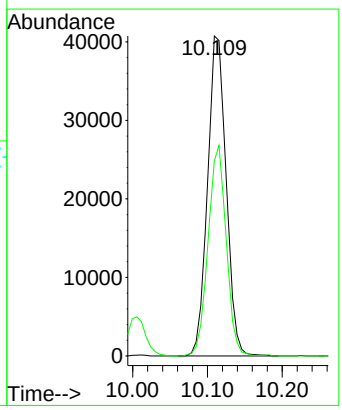


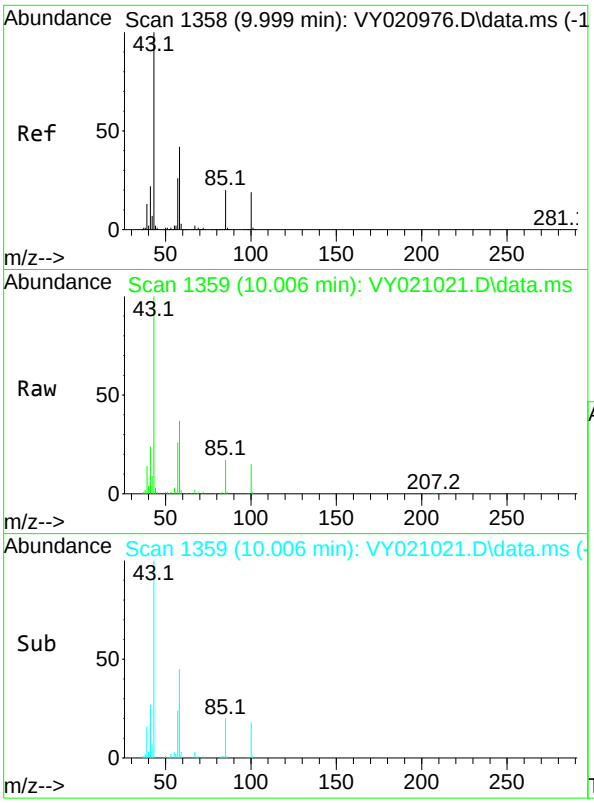


#50
Toluene-d8
Concen: 10.540 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 98 Resp: 70569

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	79.0



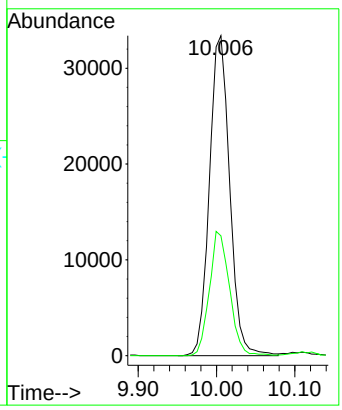


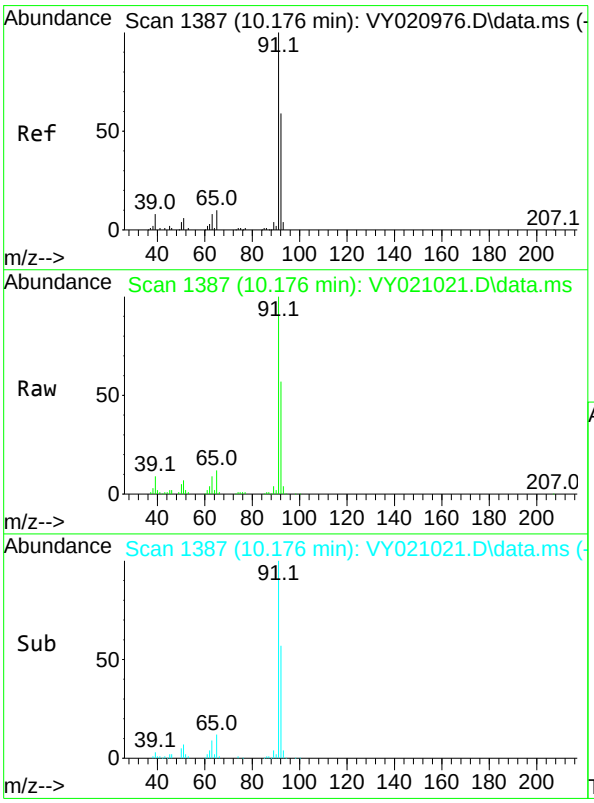
#51
4-Methyl-2-Pentanone
Concen: 64.159 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 60088

Ion	Ratio	Lower	Upper
43	100		
58	38.5	33.8	50.8

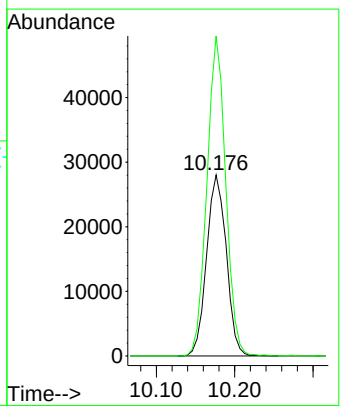


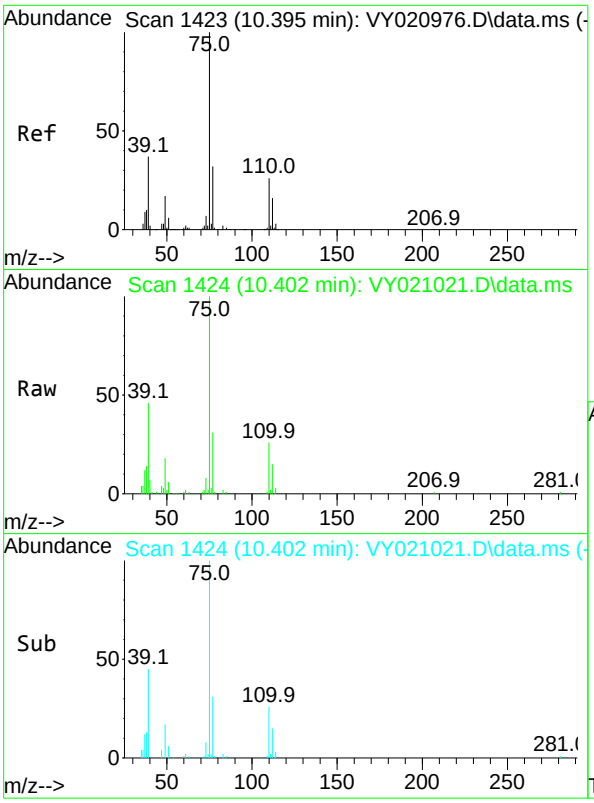


#52
Toluene
Concen: 10.457 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 92 Resp: 48876

Ion	Ratio	Lower	Upper
92	100		
91	168.9	135.8	203.8



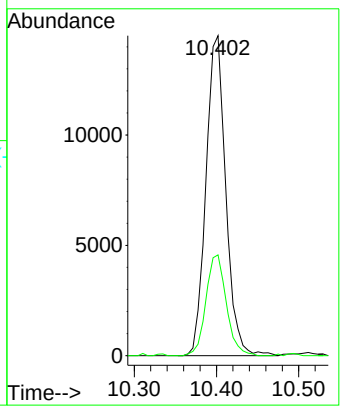


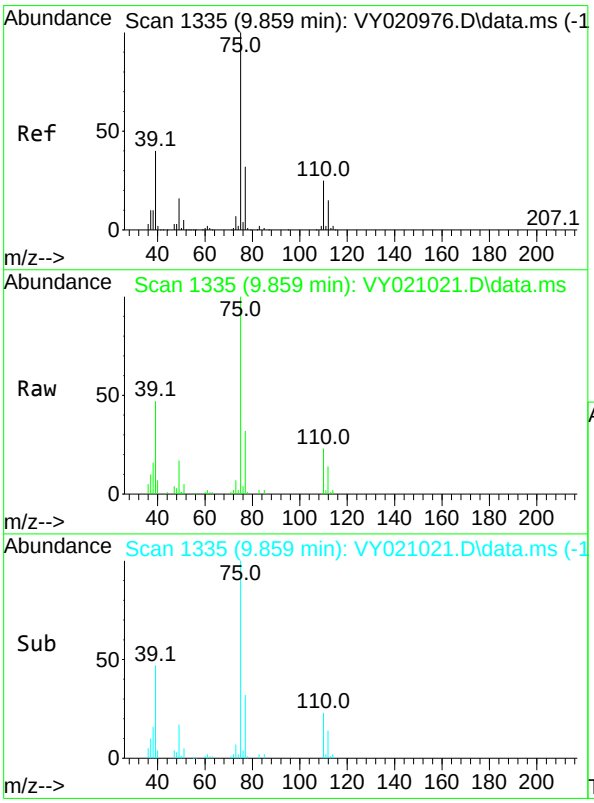
#53
t-1,3-Dichloropropene
Concen: 10.888 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 24301

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.9	38.9

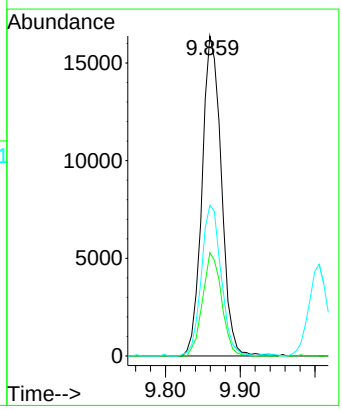


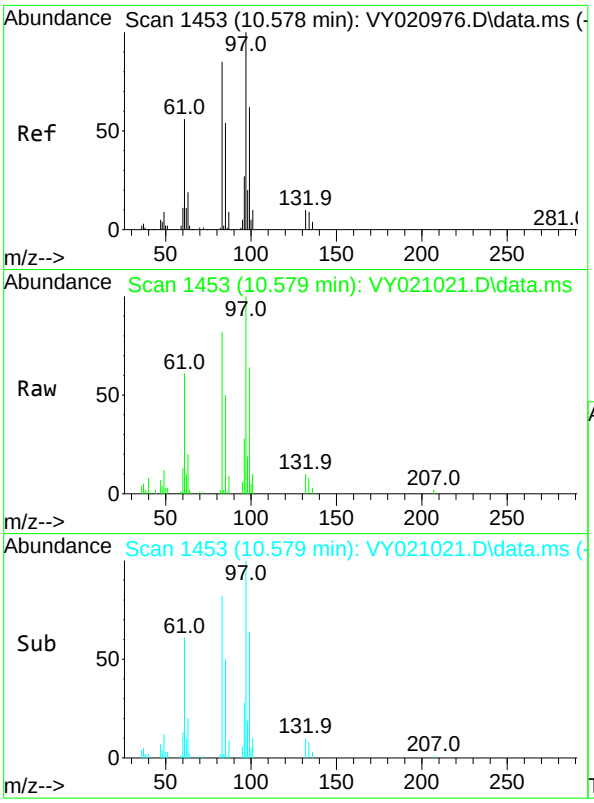


#54
cis-1,3-Dichloropropene
Concen: 11.031 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 29426

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	47.1	32.2	48.2



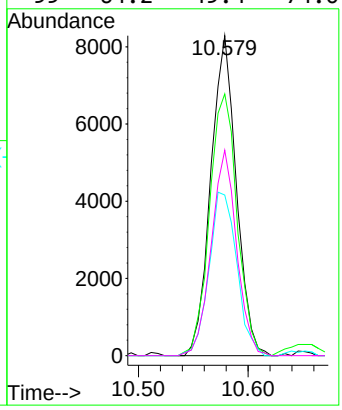


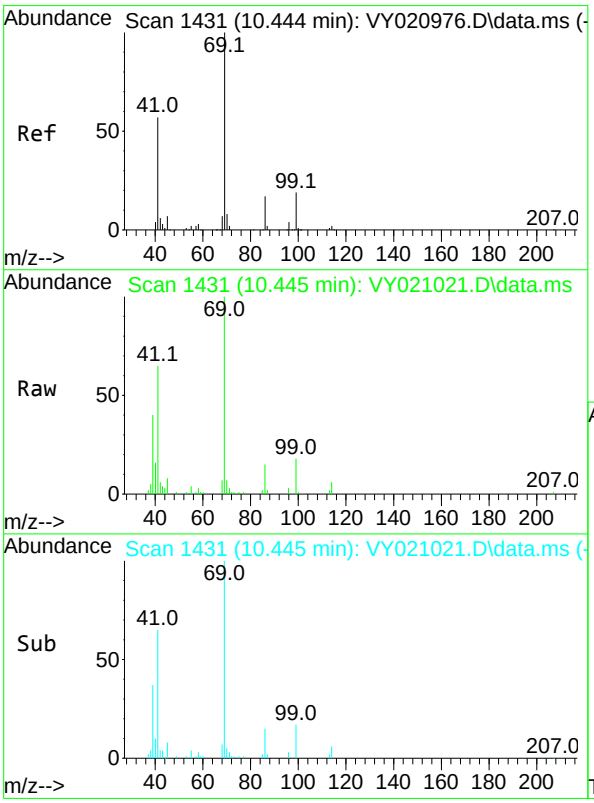
#55
1,1,2-Trichloroethane
Concen: 10.748 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 13425

Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.7	101.5
85	50.2	43.4	65.2
99	64.2	49.4	74.0

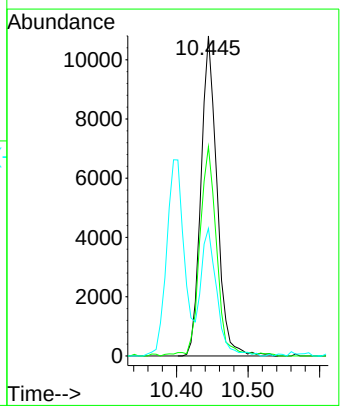


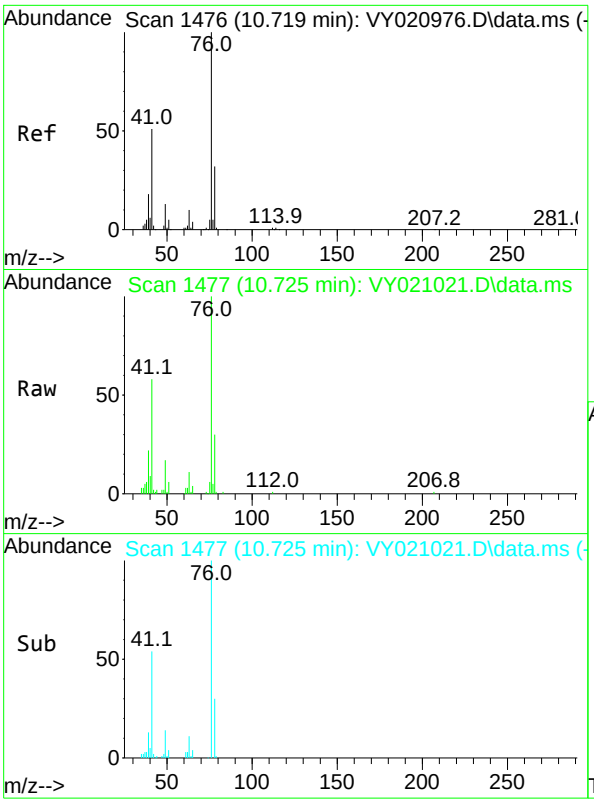


#56
Ethyl methacrylate
Concen: 10.341 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 69 Resp: 16883

Ion	Ratio	Lower	Upper
69	100		
41	68.3	46.3	69.5
39	38.7	24.5	36.7#



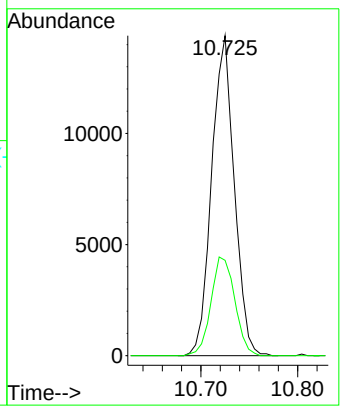


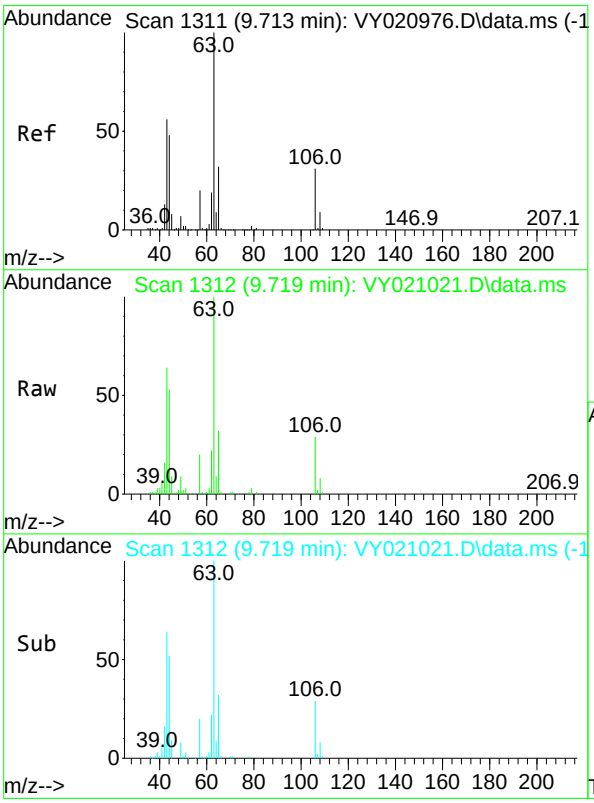
#57
1,3-Dichloropropane
Concen: 11.042 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 23377

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

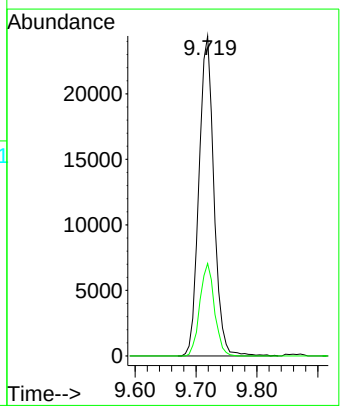


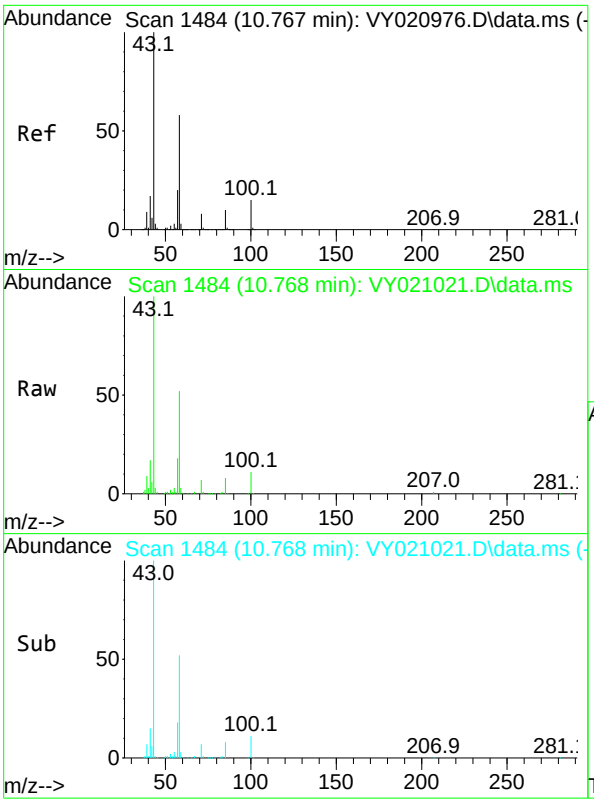


#58
2-Chloroethyl Vinyl ether
Concen: 60.048 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 41611

Ion	Ratio	Lower	Upper
63	100		
106	28.2	24.7	37.1



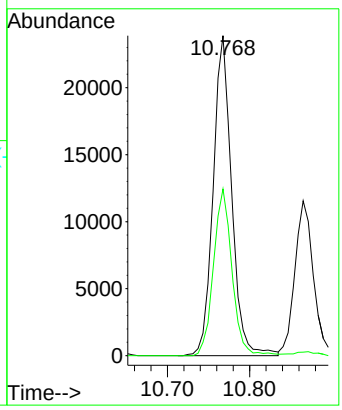


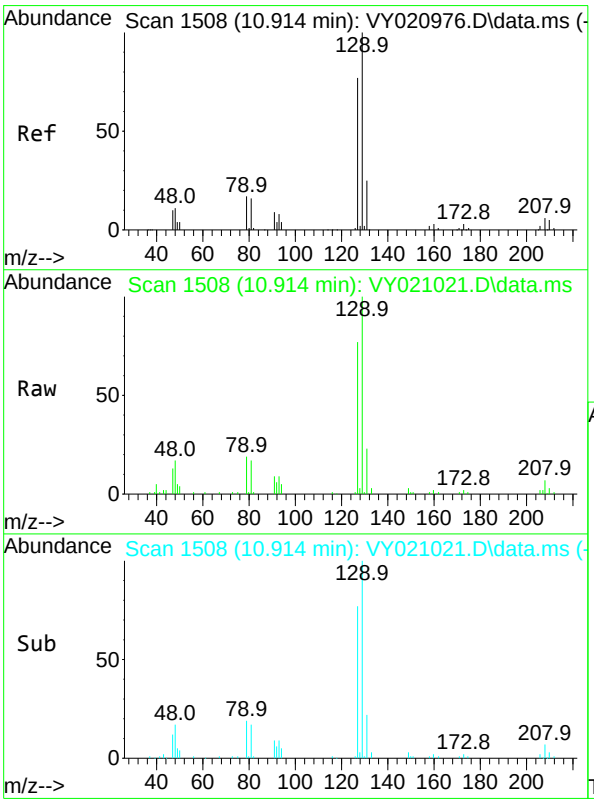
#59
2-Hexanone
Concen: 61.283 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 37306

Ion	Ratio	Lower	Upper
43	100		
58	52.1	29.8	89.3

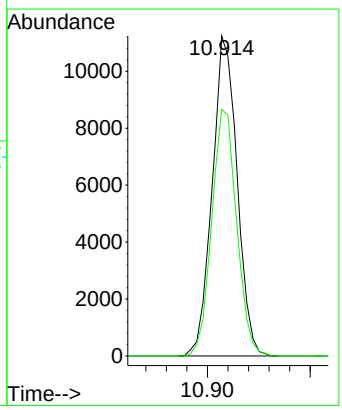


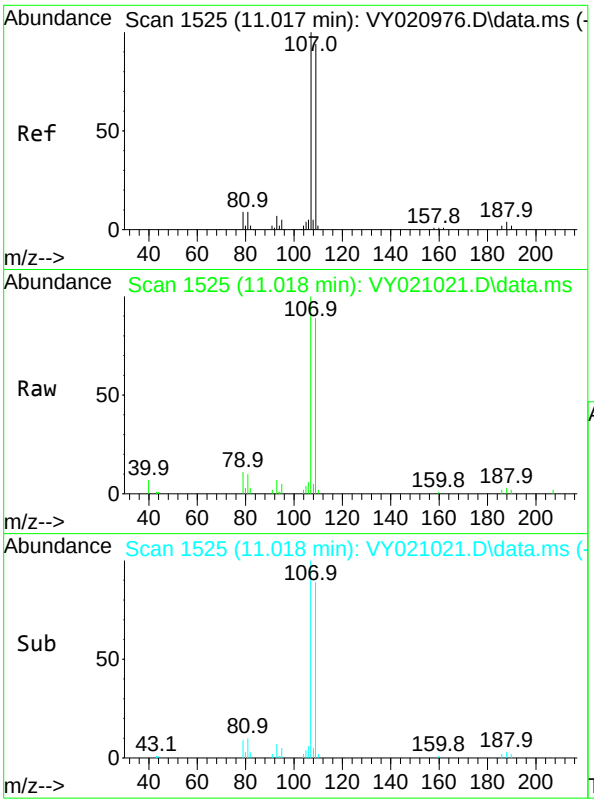


#60
Dibromochloromethane
Concen: 10.585 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:129 Resp: 18851

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3



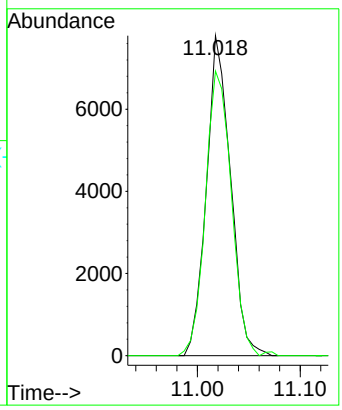


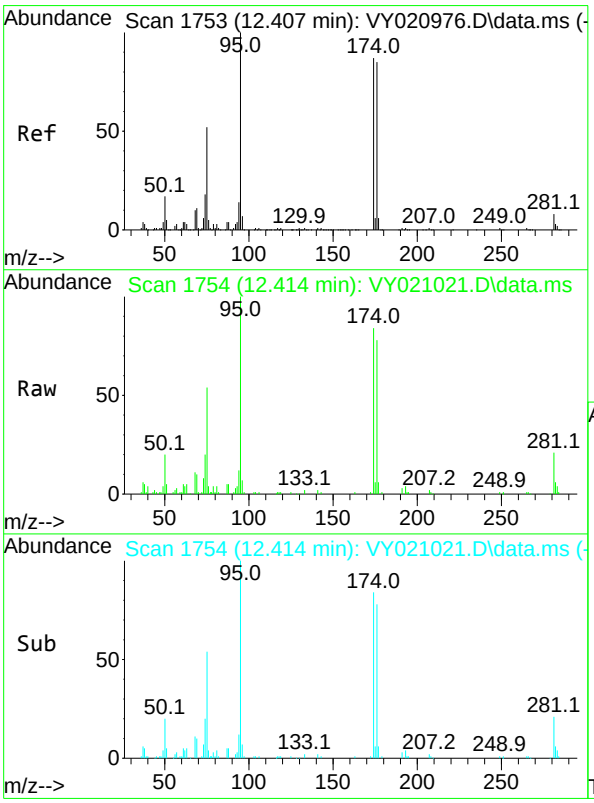
#61
1,2-Dibromoethane
Concen: 10.684 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 12746

Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.6	114.8

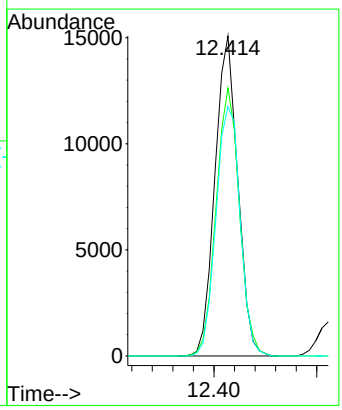


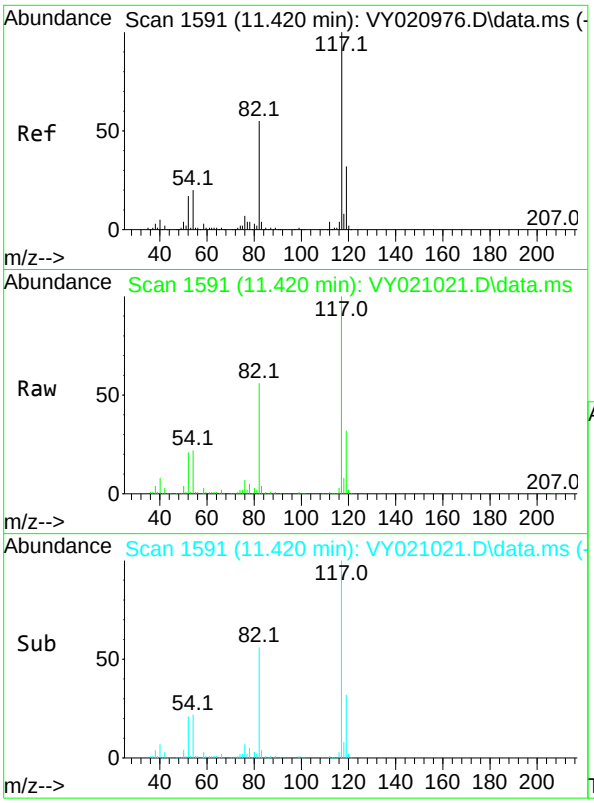


#62
4-Bromofluorobenzene
Concen: 10.362 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 95 Resp: 23279

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	181.2
176	82.2	0.0	175.2



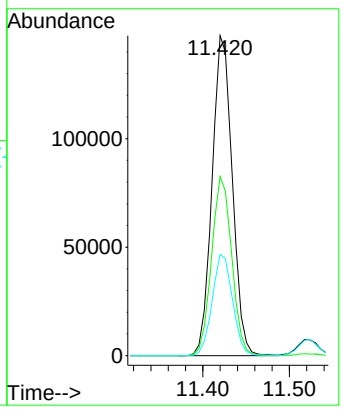


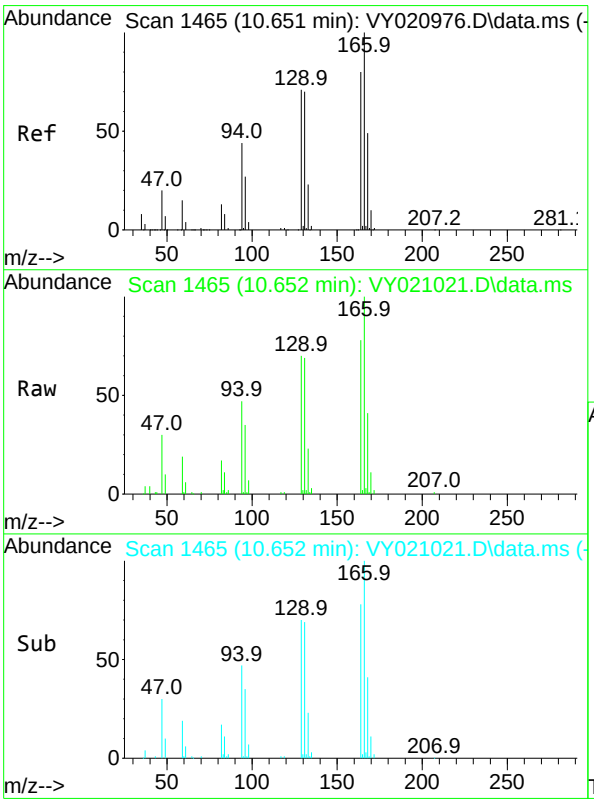
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 239030

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.2	66.2
119	31.6	25.9	38.9

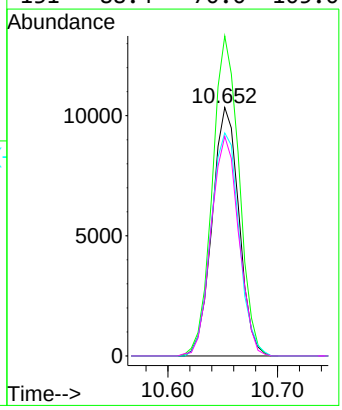


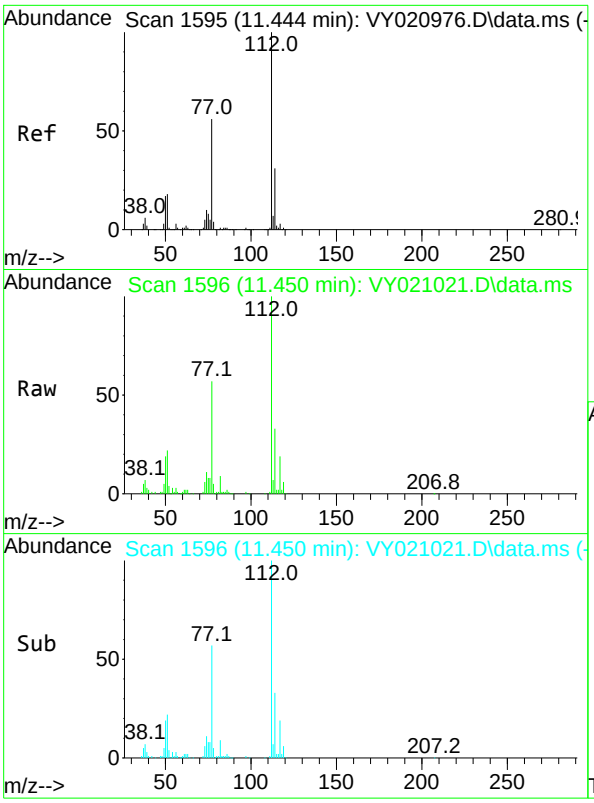


#64
Tetrachloroethene
Concen: 9.730 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:164 Resp: 17544

Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.4	150.6
129	89.8	70.8	106.2
131	88.4	70.0	105.0



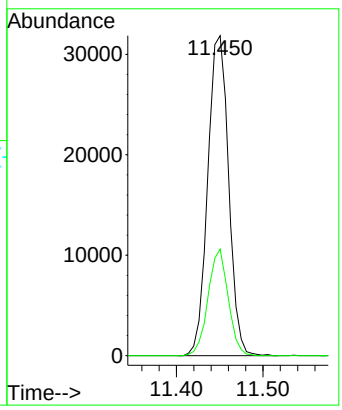


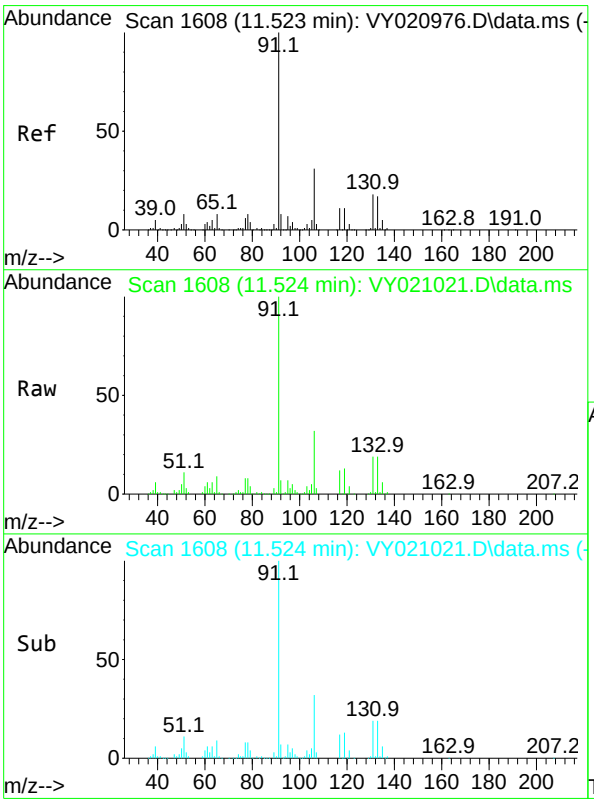
#65
Chlorobenzene
Concen: 10.583 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 53298

Ion	Ratio	Lower	Upper
112	100		
114	33.3	24.6	37.0

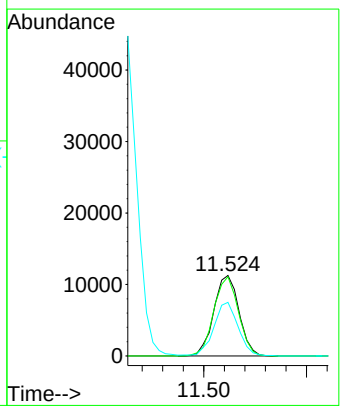


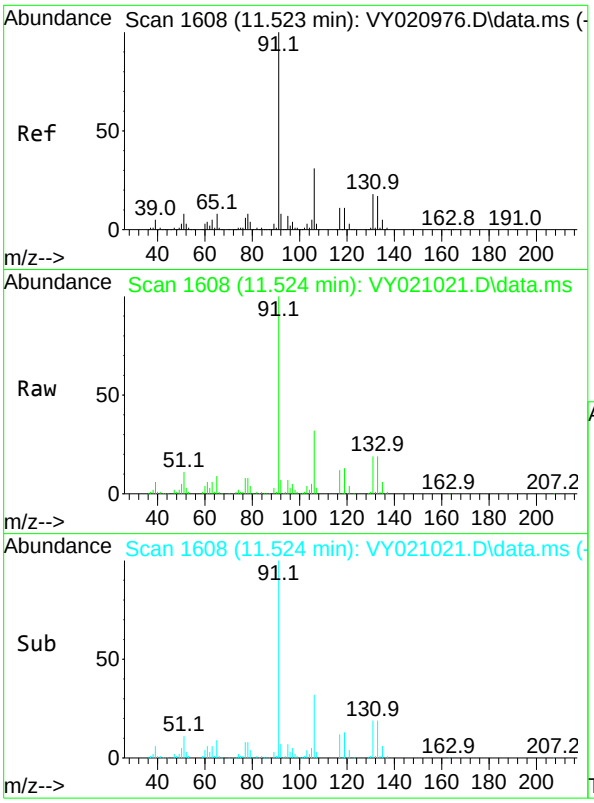


#66
1,1,1,2-Tetrachloroethane
Concen: 10.714 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:131 Resp: 19150

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.7	146.1
119	64.1	31.4	94.3



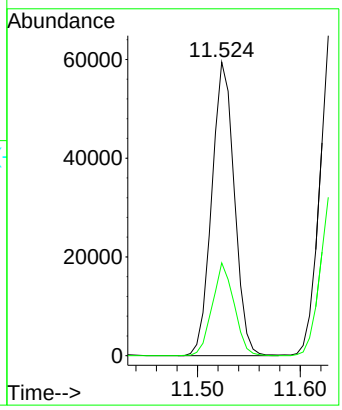


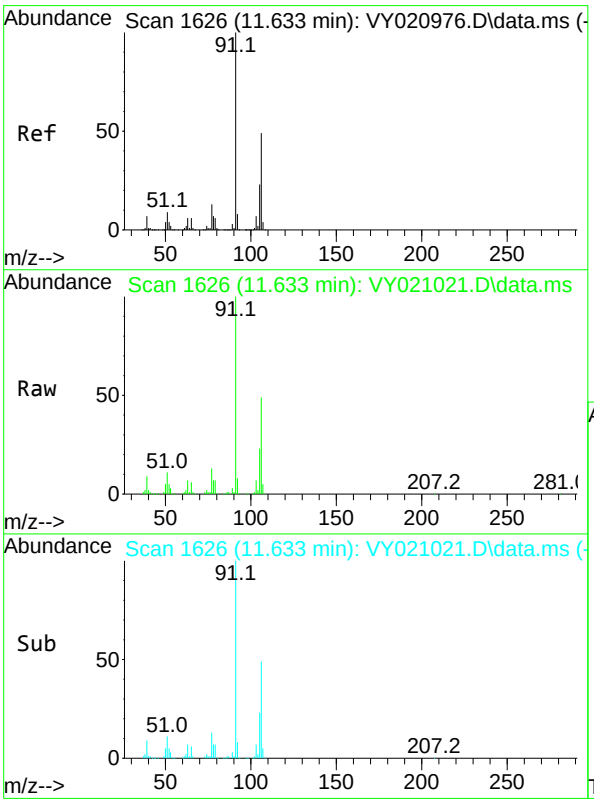
#67
Ethyl Benzene
Concen: 10.411 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 90783

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.9	37.3

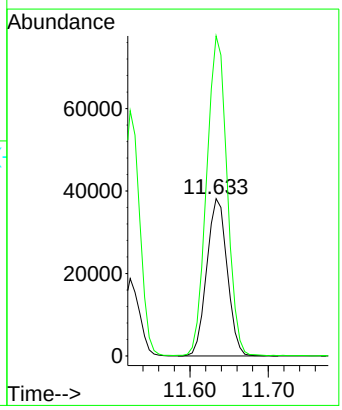


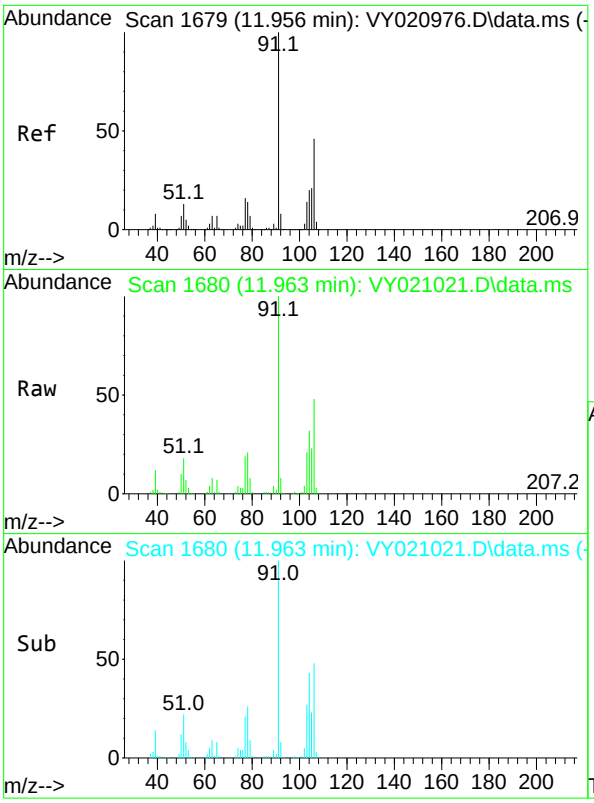


#68
m/p-Xylenes
Concen: 20.624 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 69094

Ion	Ratio	Lower	Upper
106	100		
91	203.2	160.0	240.0



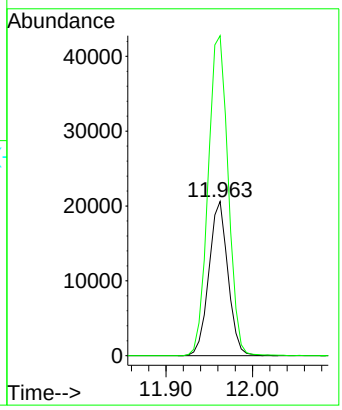


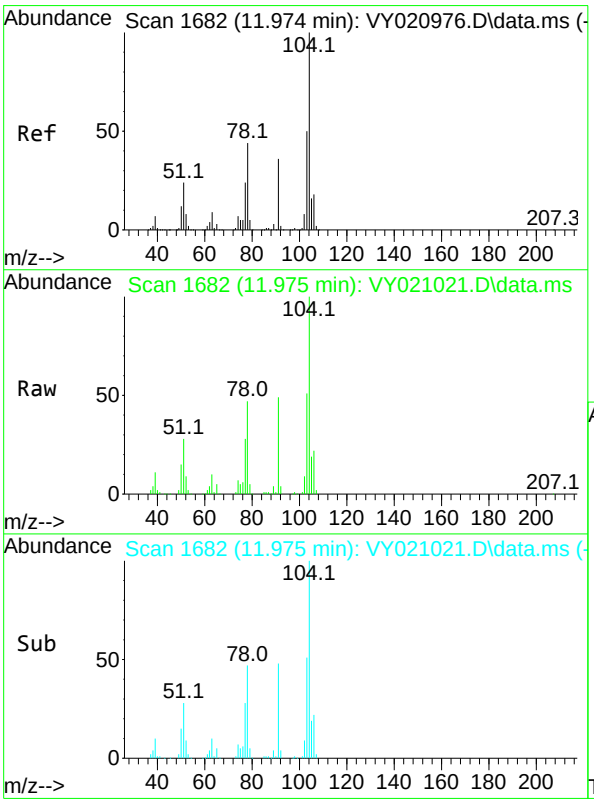
#69
o-Xylene
Concen: 10.106 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 31473

Ion	Ratio	Lower	Upper
106	100		
91	218.6	105.8	317.6

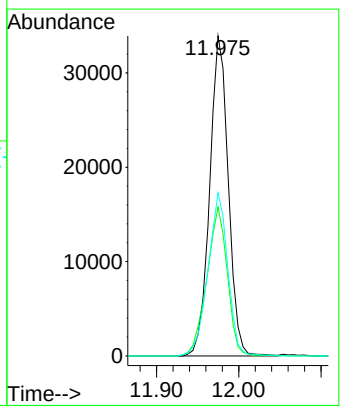


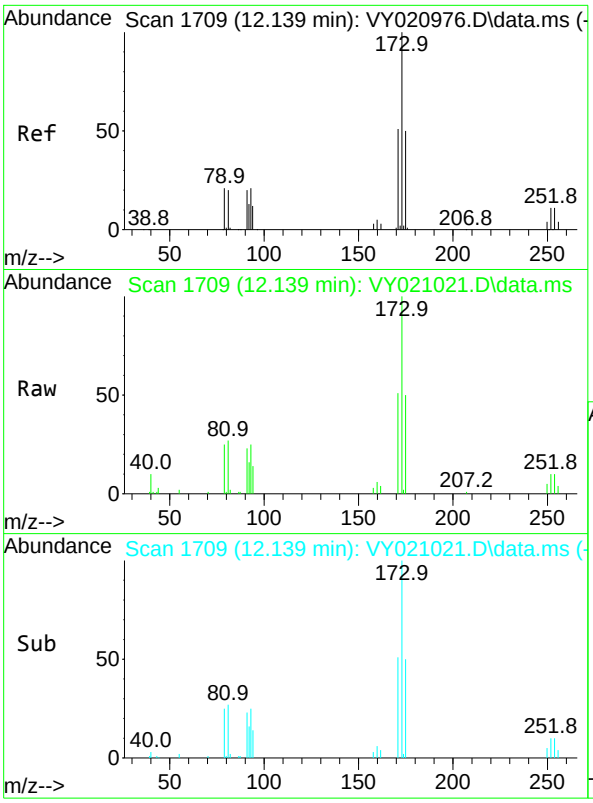


#70
Styrene
Concen: 10.334 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:104 Resp: 53436

Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.0	58.4
103	54.3	43.7	65.5



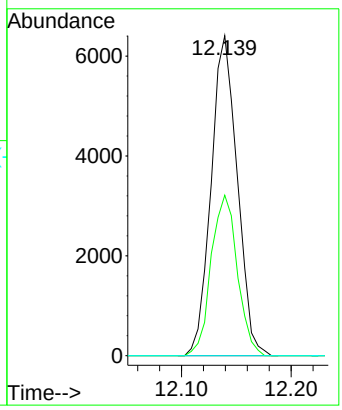


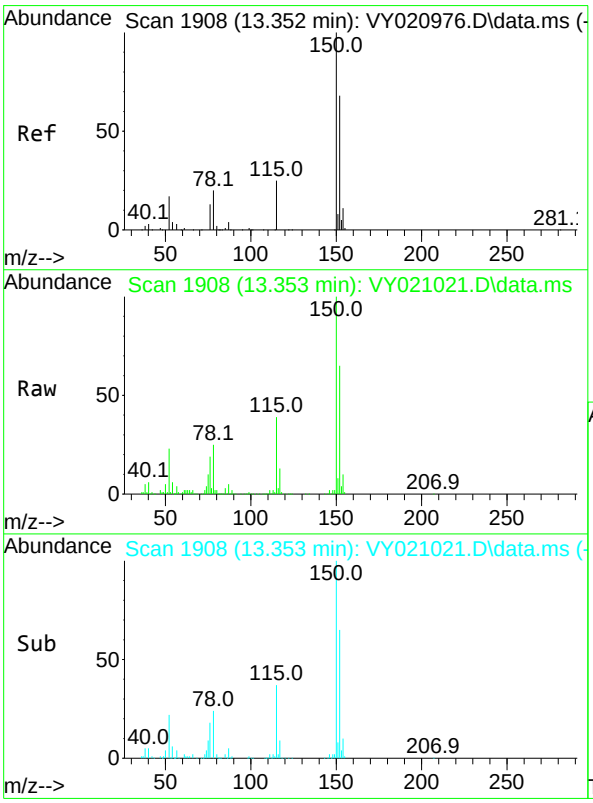
#71
Bromoform
Concen: 10.088 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 10627

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.1	72.2
254	0.0	0.0	0.0

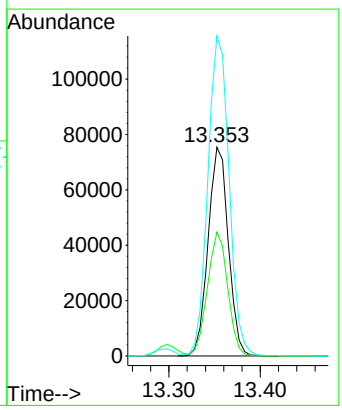


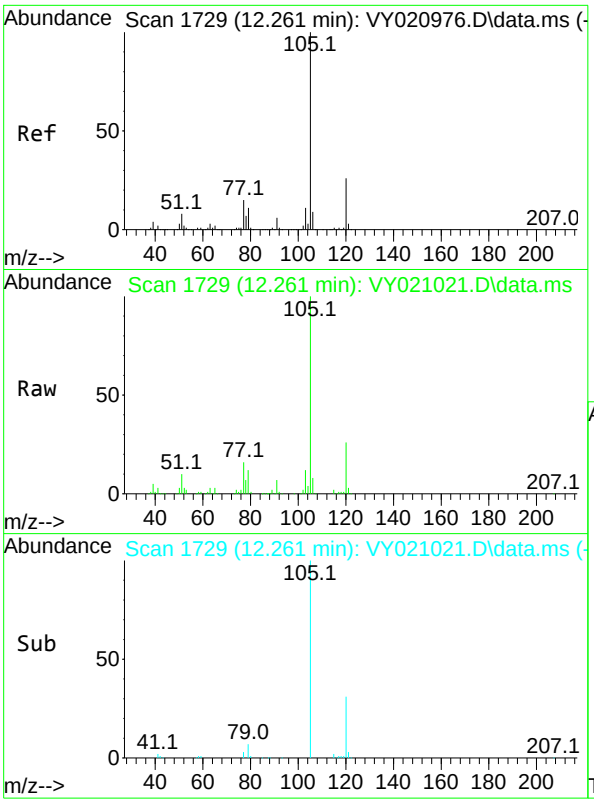


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:152 Resp: 115682

Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.4	85.2
150	161.1	0.0	342.8



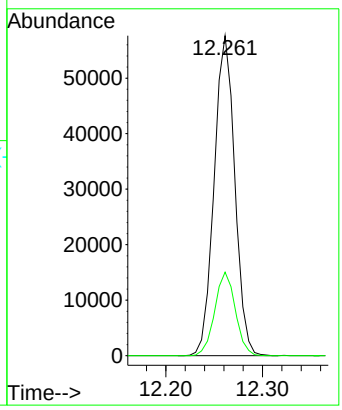


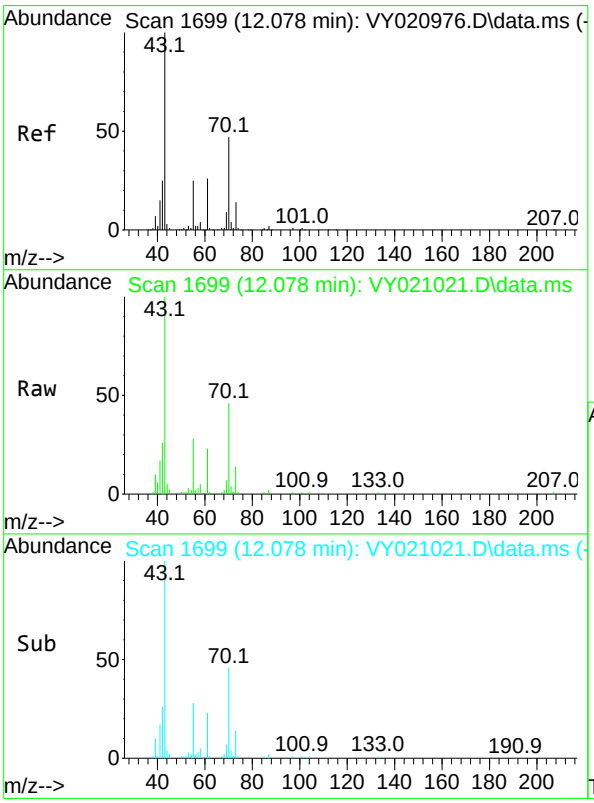
#73
Isopropylbenzene
Concen: 10.522 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 85491

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.4	40.2

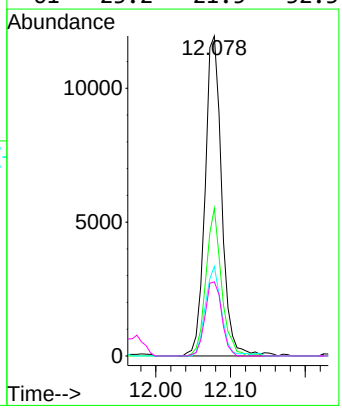


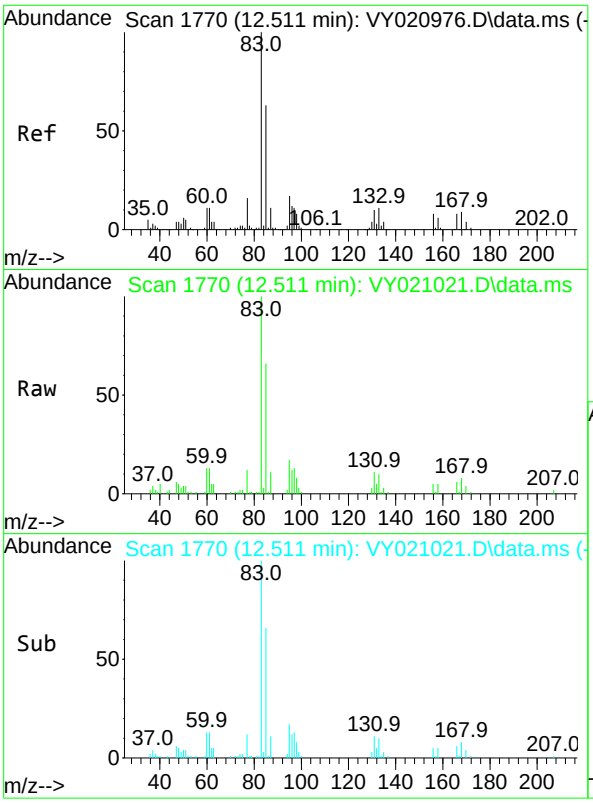


#74
N-amyl acetate
Concen: 12.524 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 18529

Ion	Ratio	Lower	Upper
43	100		
70	42.6	39.3	58.9
55	27.0	22.3	33.5
61	23.2	21.5	32.3



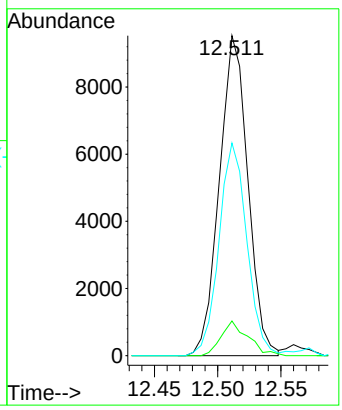


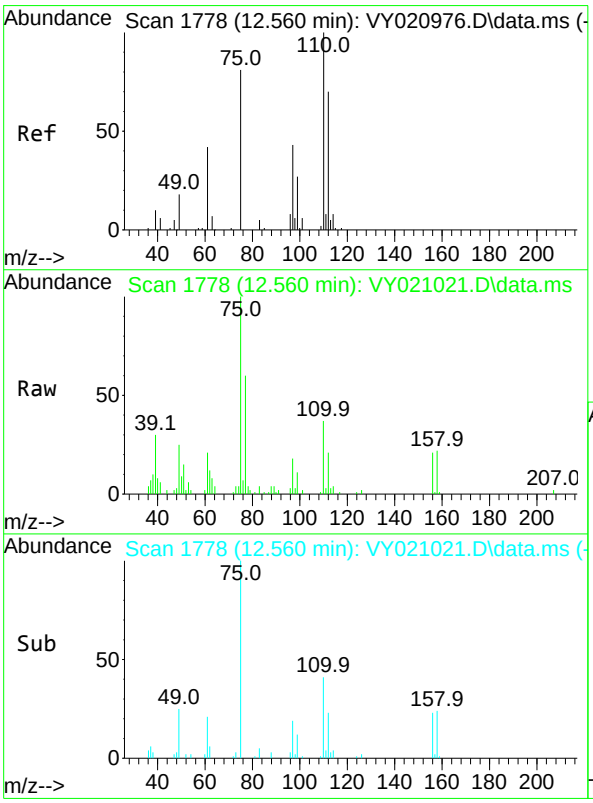
#75
1,1,2,2-Tetrachloroethane
Concen: 11.393 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 14942

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.7	17.1
85	65.5	31.9	95.9

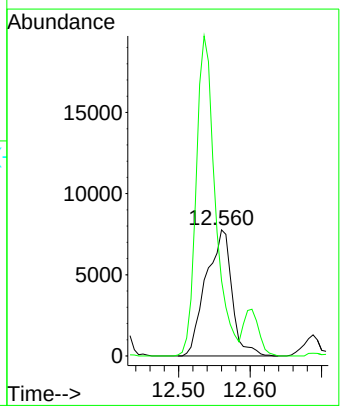


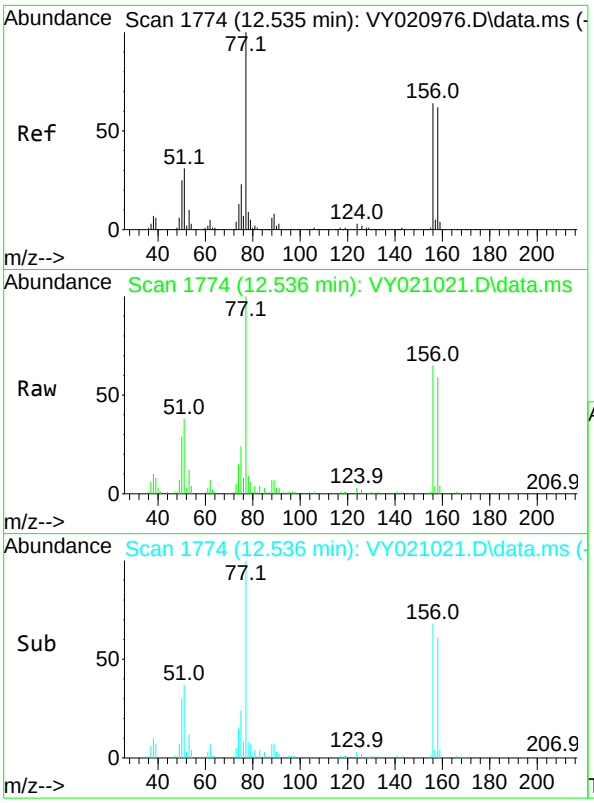


#76
1,2,3-Trichloropropane
Concen: 21.361 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 19562

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



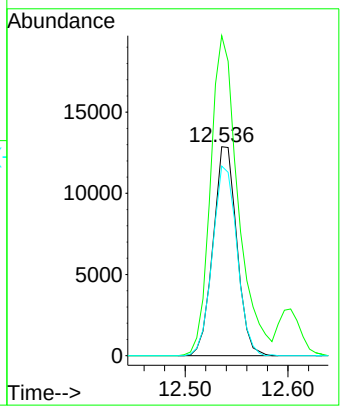


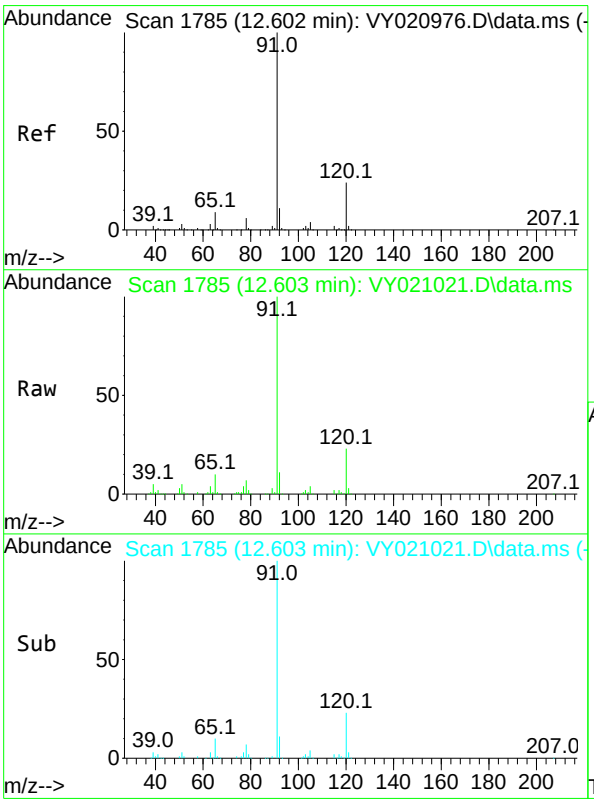
#77
Bromobenzene
Concen: 10.712 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 20634

Ion	Ratio	Lower	Upper
156	100		
77	177.9	83.3	249.9
158	94.0	48.3	144.9

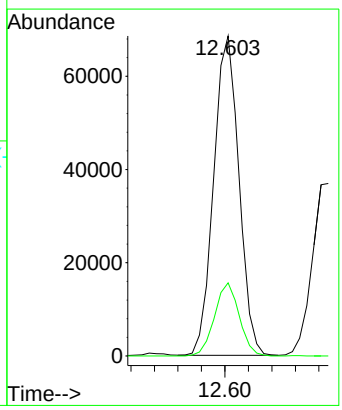


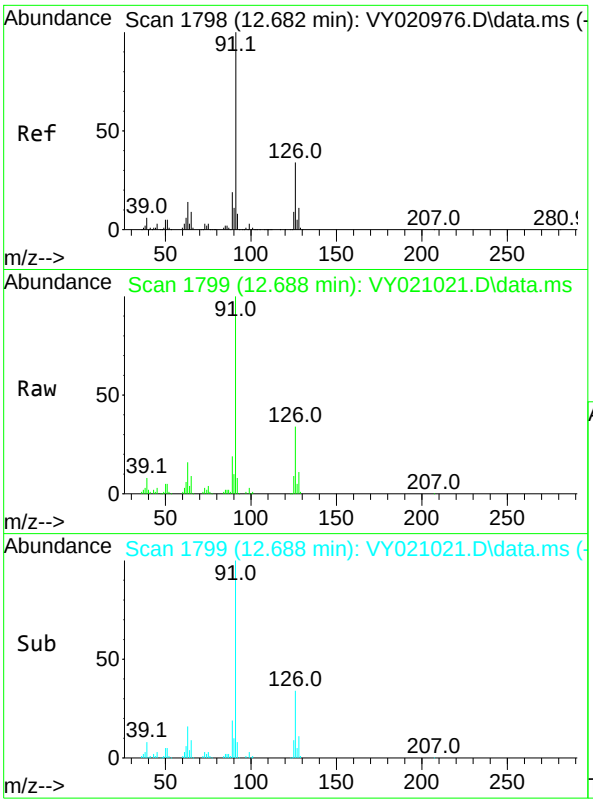


#78
n-propylbenzene
Concen: 10.738 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 102250

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.8	35.4



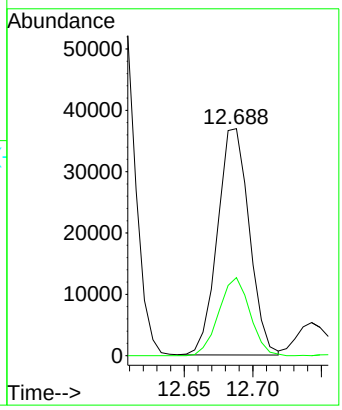


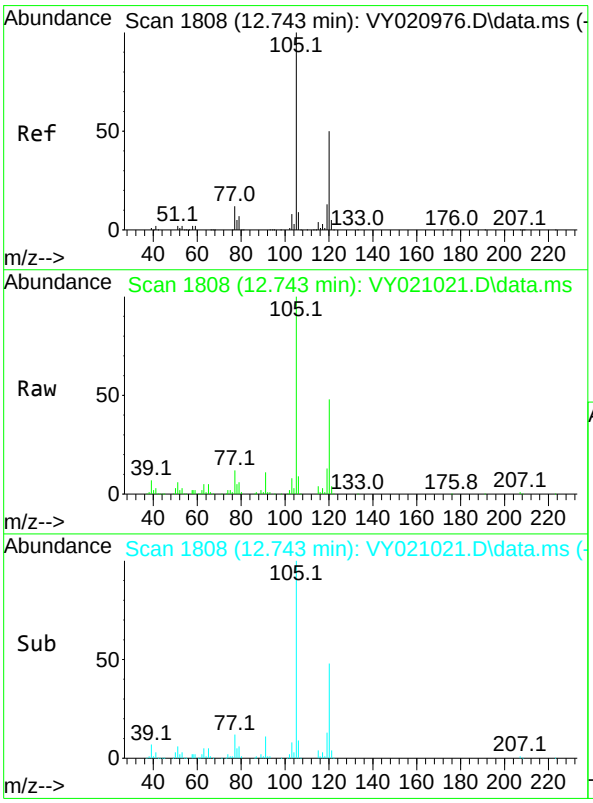
#79
2-Chlorotoluene
Concen: 10.991 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 59630

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.3	51.9

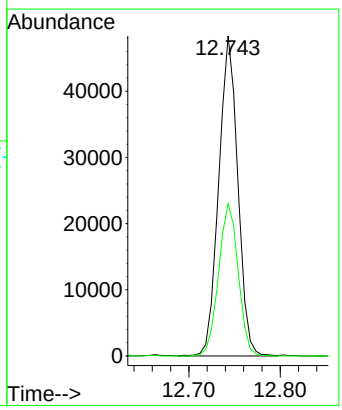


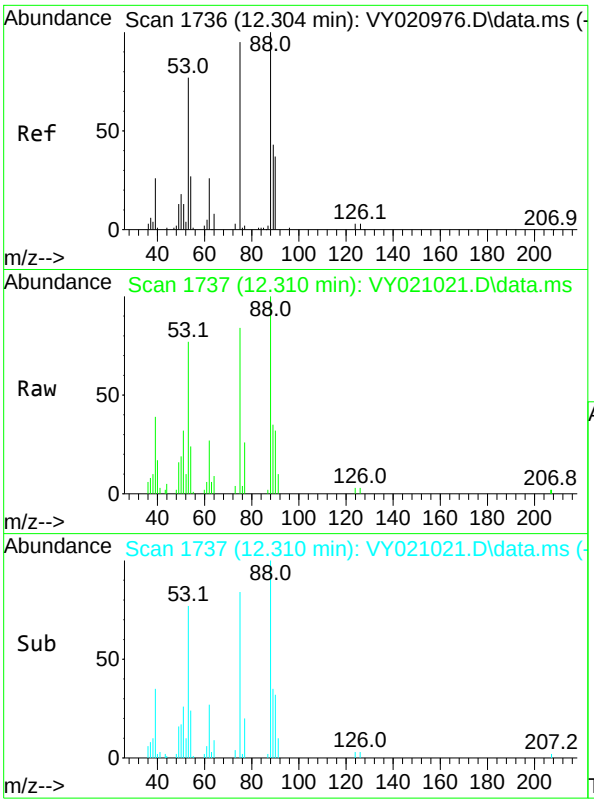


#80
1,3,5-Trimethylbenzene
Concen: 10.541 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 70161

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.9



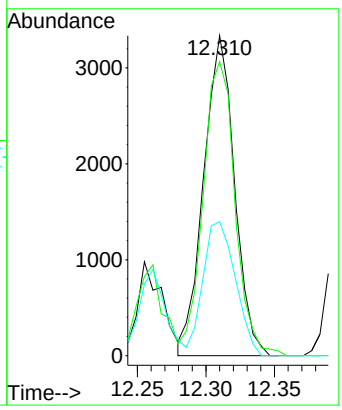


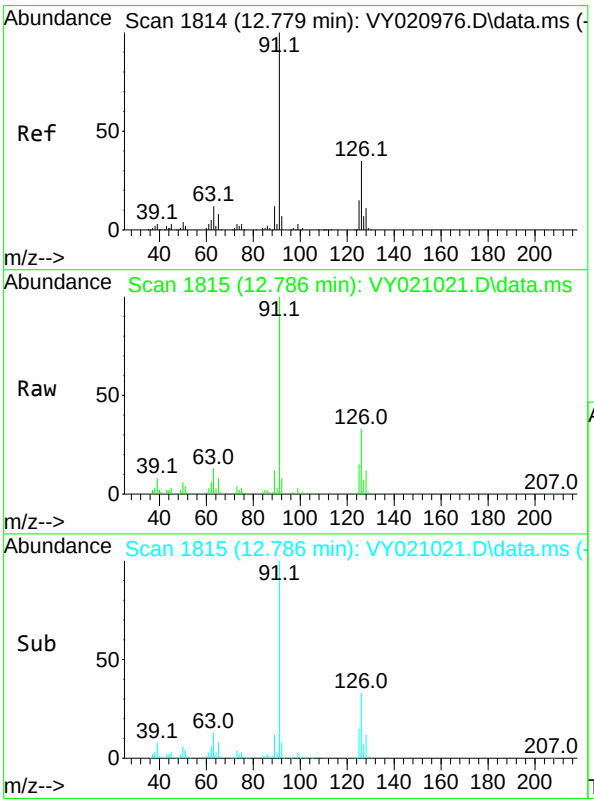
#81
trans-1,4-Dichloro-2-butene
Concen: 11.842 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 5224

Ion	Ratio	Lower	Upper
75	100		
53	94.9	68.6	103.0
89	43.8	38.1	57.1

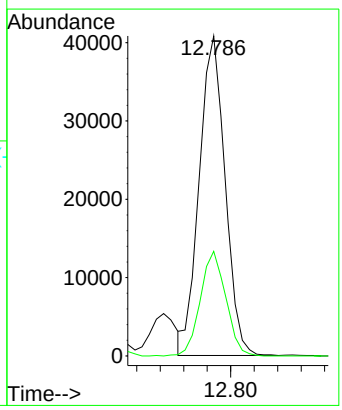


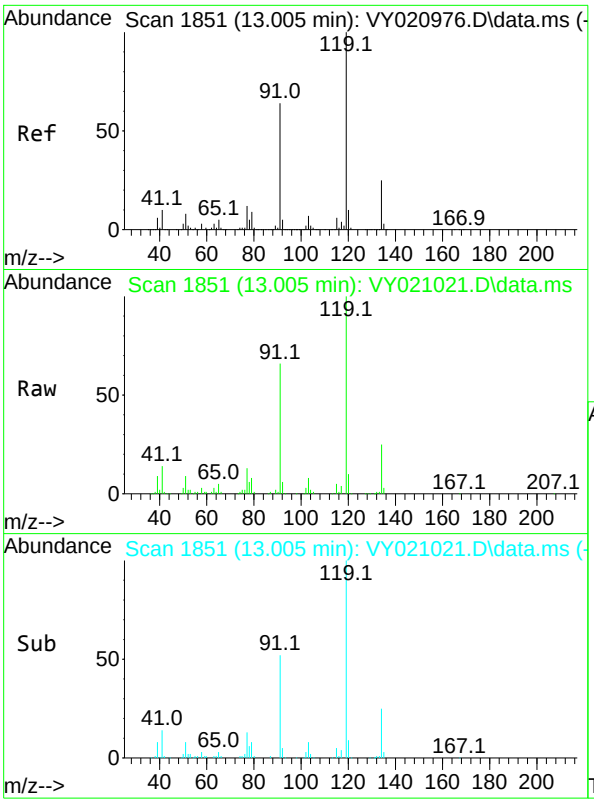


#82
4-Chlorotoluene
Concen: 11.217 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 62279

Ion	Ratio	Lower	Upper
91	100		
126	32.3	17.3	52.0



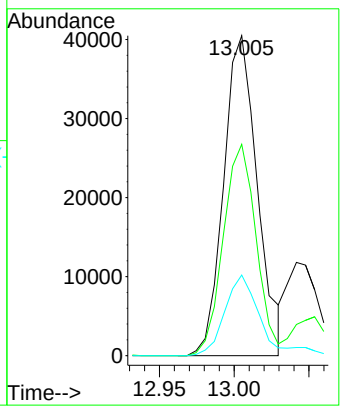


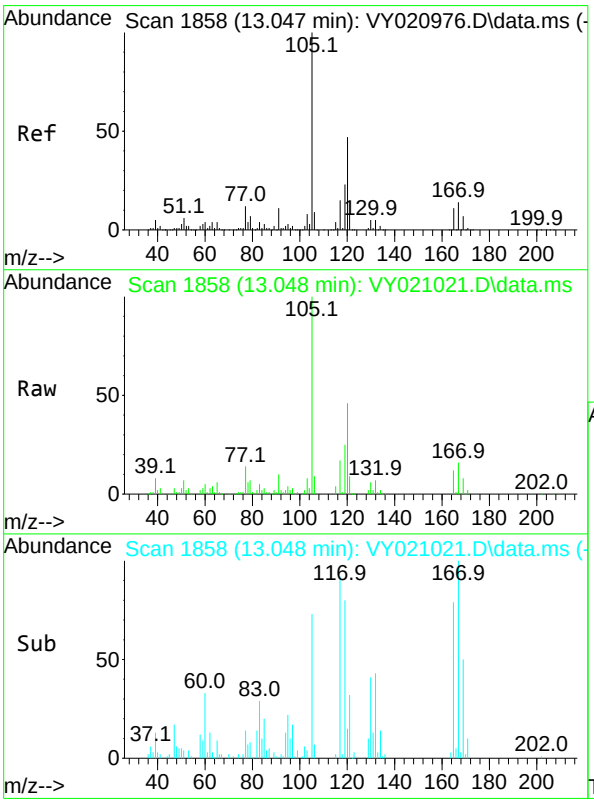
#83
tert-Butylbenzene
Concen: 10.287 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 63506

Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.4	94.0
134	26.7	13.1	39.1

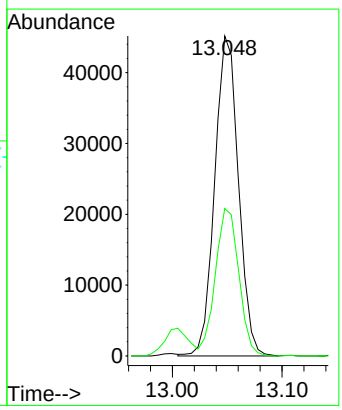


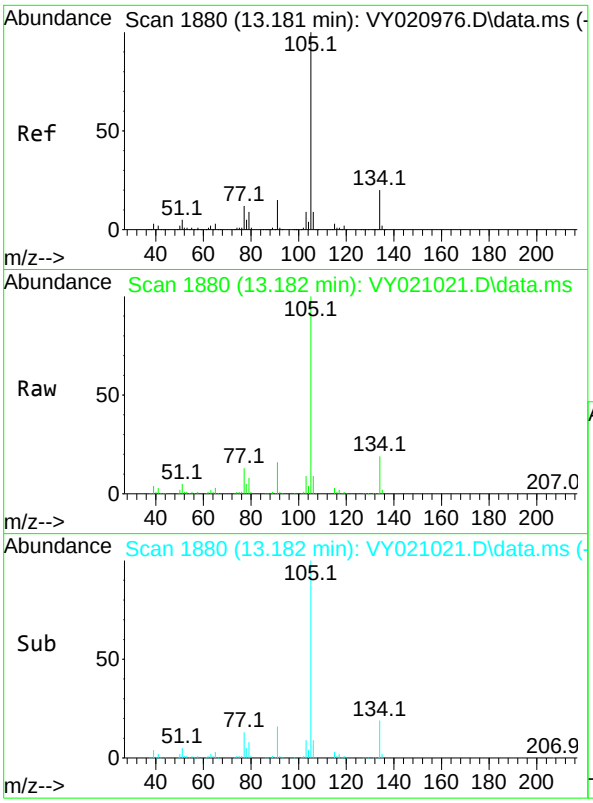


#84
1,2,4-Trimethylbenzene
Concen: 10.444 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 67906

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.0



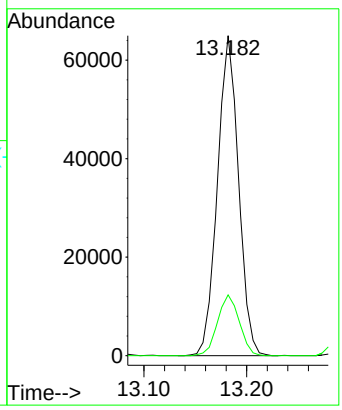


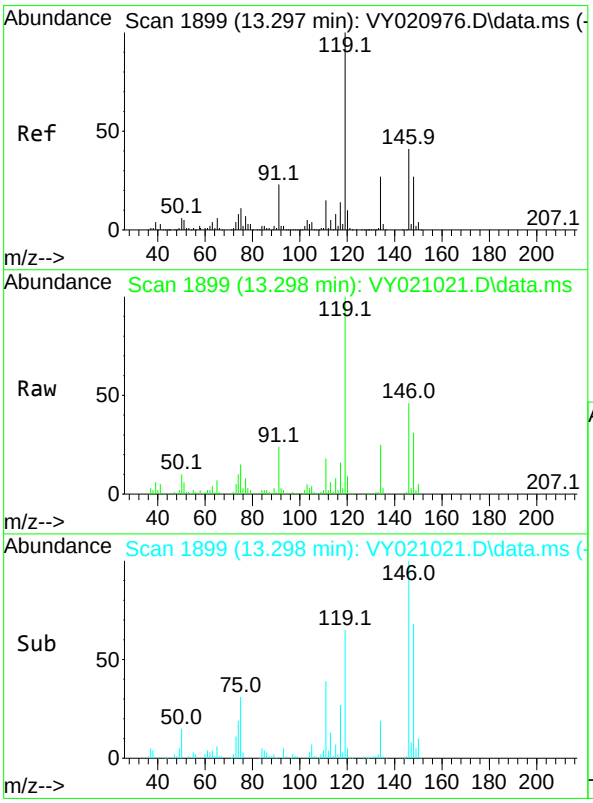
#85
sec-Butylbenzene
Concen: 10.596 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 92610

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.3	30.8

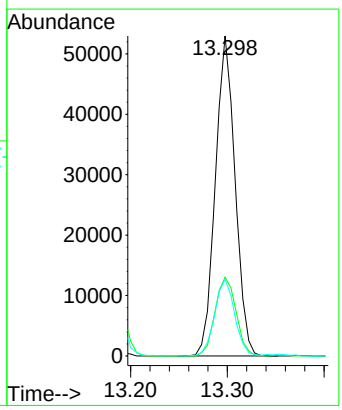


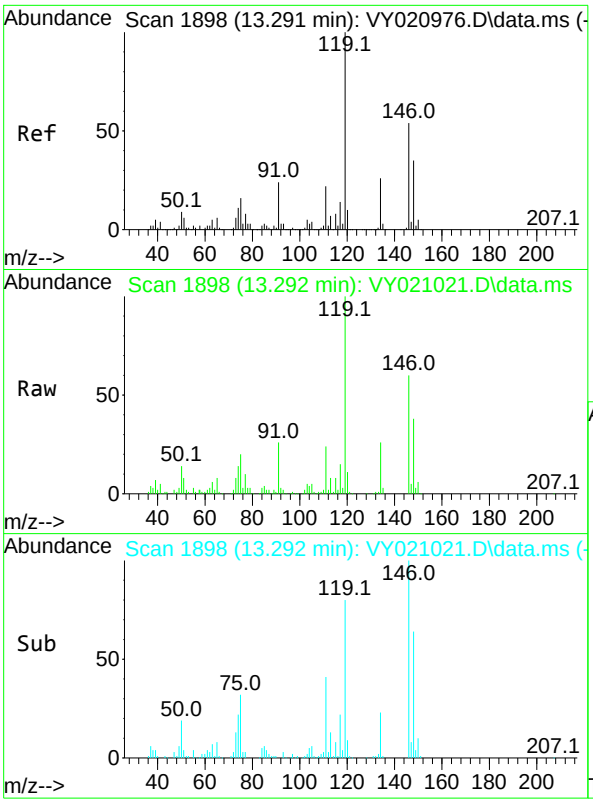


#86
p-Isopropyltoluene
Concen: 10.196 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 74892

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	24.4	11.5	34.5



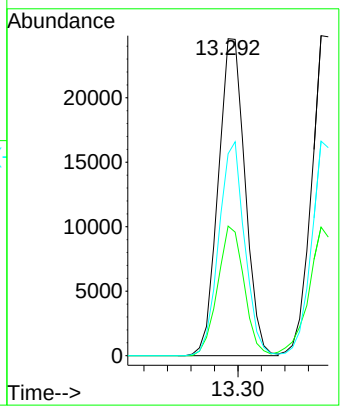


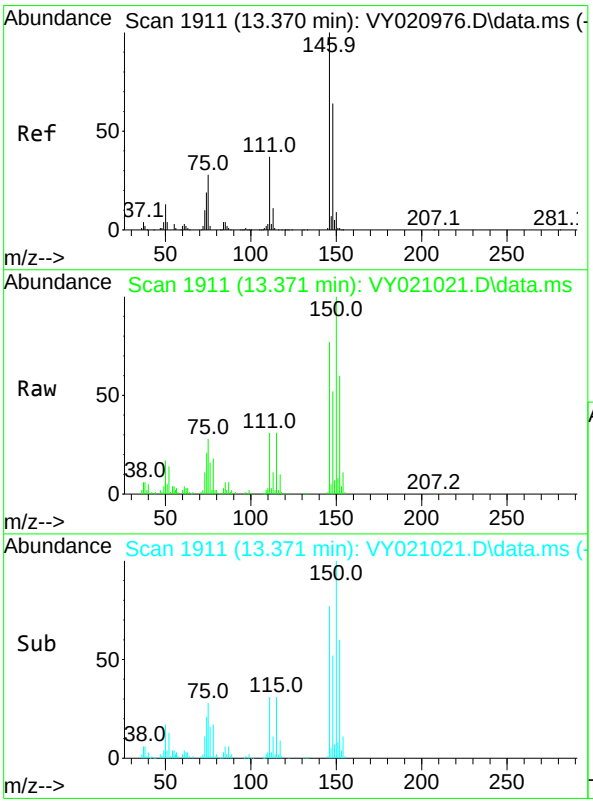
#87
1,3-Dichlorobenzene
Concen: 10.388 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 39016

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.1
148	64.9	32.1	96.3

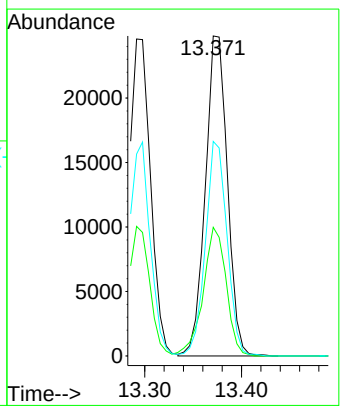


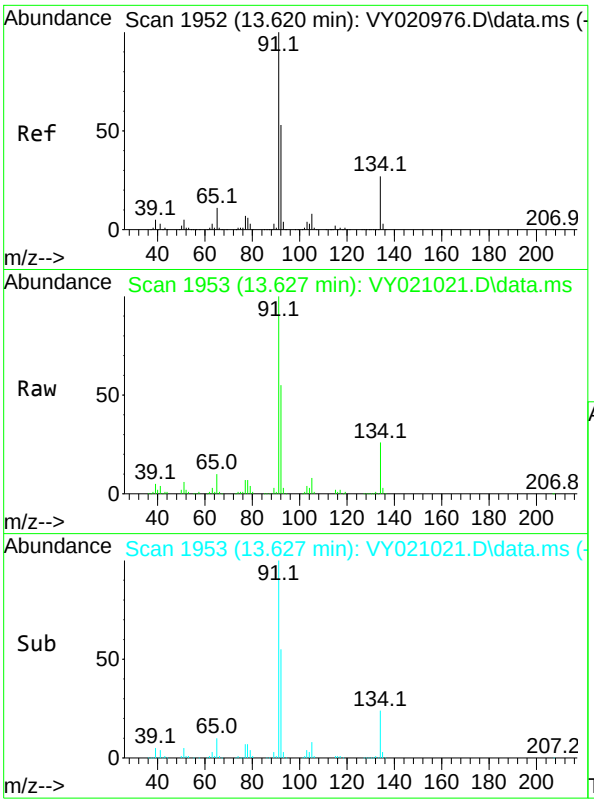


#88
1,4-Dichlorobenzene
Concen: 10.559 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 39379

Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.0	57.0
148	65.8	31.6	95.0



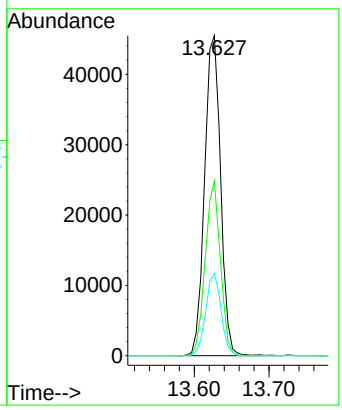


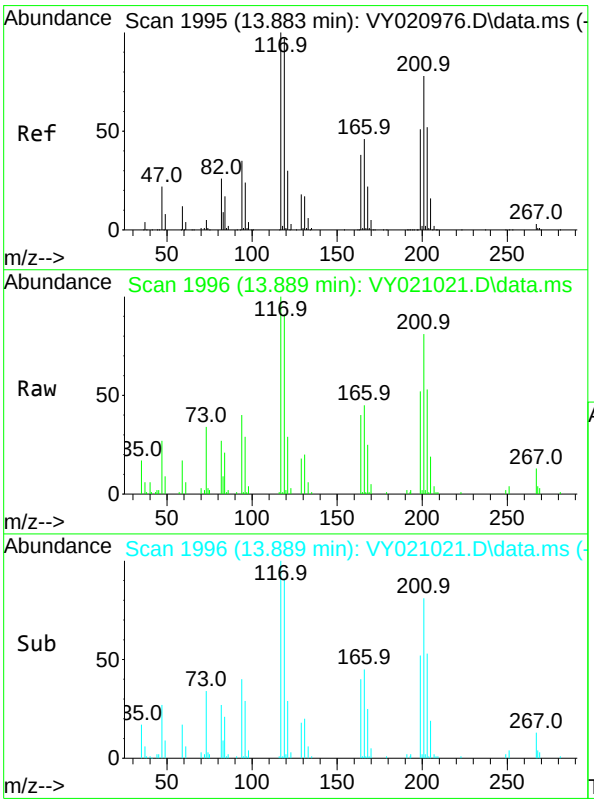
#89
n-Butylbenzene
Concen: 10.280 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 67632

Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.7	80.1
134	24.6	13.7	41.1

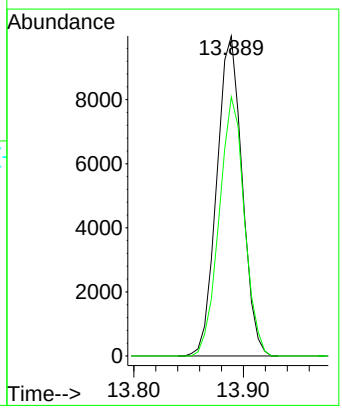


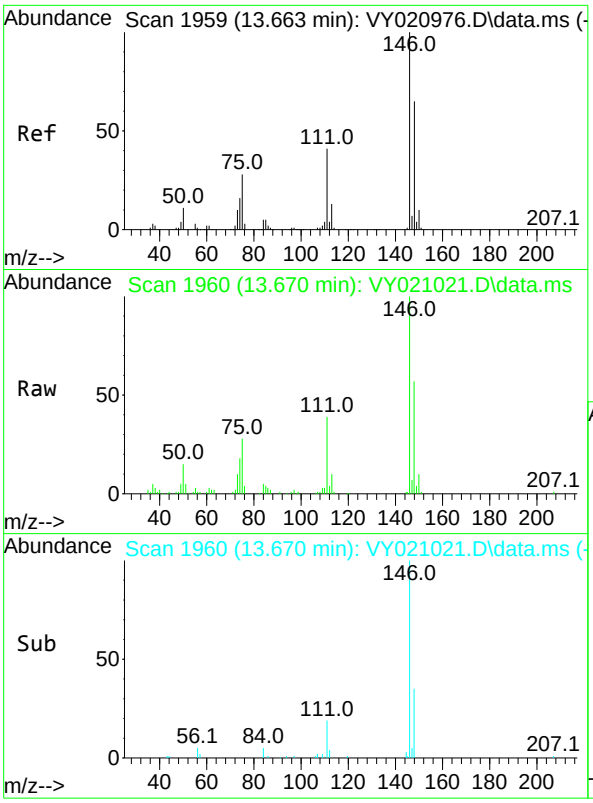


#90
Hexachloroethane
Concen: 10.788 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 16030

Ion	Ratio	Lower	Upper
117	100		
201	80.4	42.5	127.5



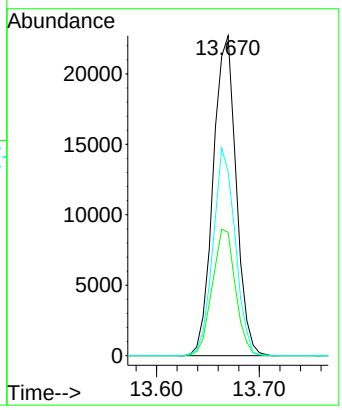


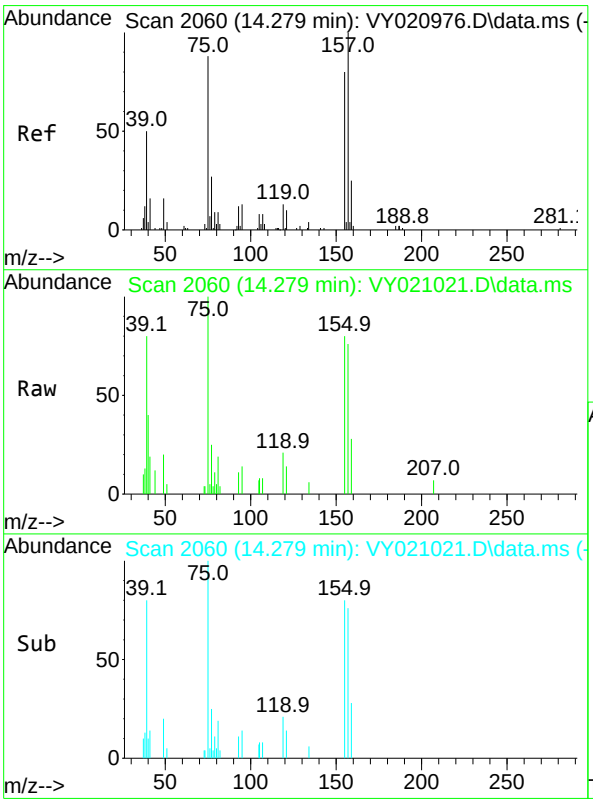
#91
1,2-Dichlorobenzene
Concen: 10.763 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 35252

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	62.4	32.2	96.6

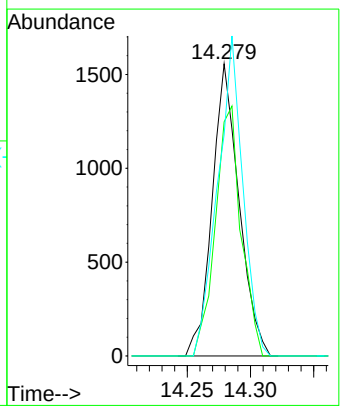


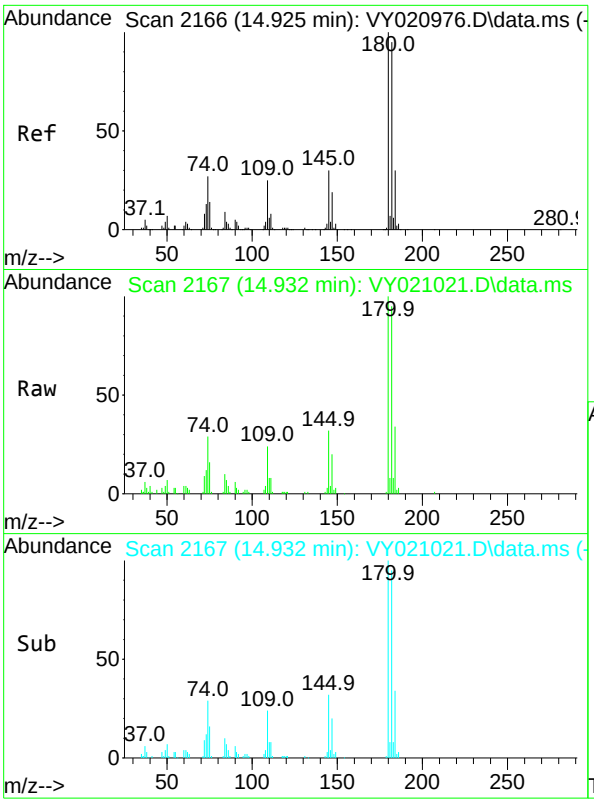


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.372 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2296

Ion	Ratio	Lower	Upper
75	100		
155	82.0	45.9	137.6
157	102.7	59.3	177.9



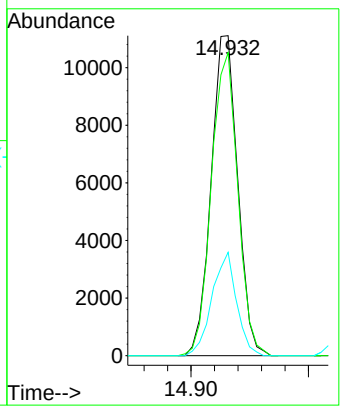


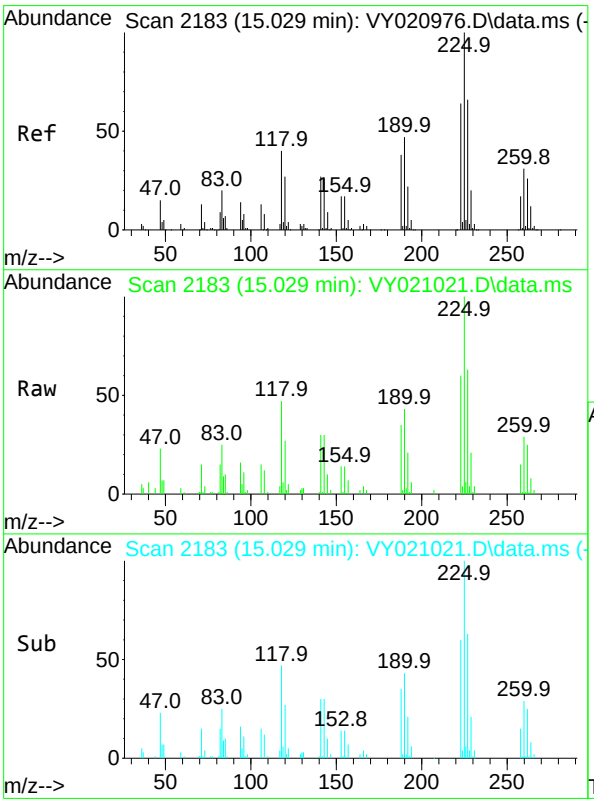
#93
1,2,4-Trichlorobenzene
Concen: 8.702 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 17451

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.8
145	29.9	15.3	45.8

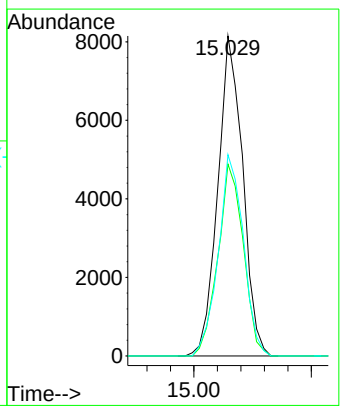


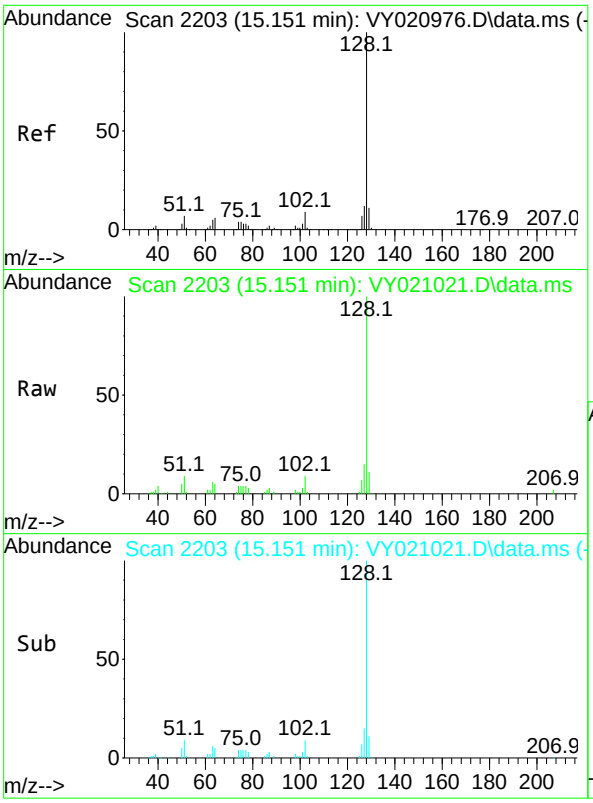


#94
Hexachlorobutadiene
Concen: 8.631 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:225 Resp: 11988

Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	63.5	31.8	95.3



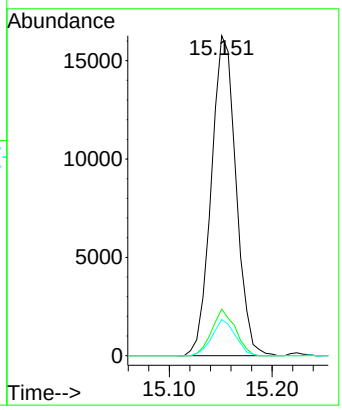


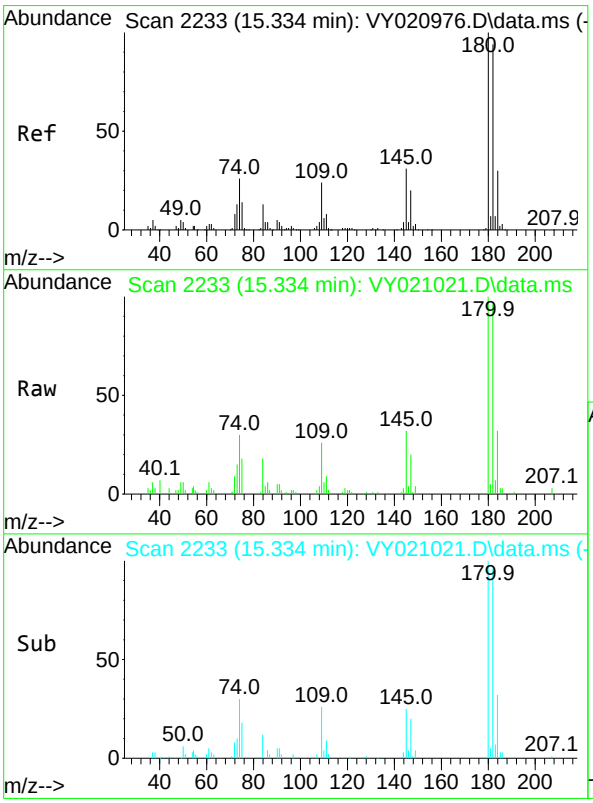
#95
Naphthalene
Concen: 8.409 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 27103

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	10.6	8.8	13.2

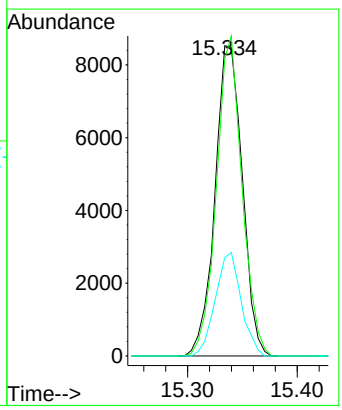




#96
1,2,3-Trichlorobenzene
Concen: 8.729 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 14804

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	31.4	15.6	46.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	183569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	284501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	244590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	116948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	35087	22.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.900%#		
35) Dibromofluoromethane	7.640	113	34279	20.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.080%#		
50) Toluene-d8	10.109	98	129662	19.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#		
62) 4-Bromofluorobenzene	12.414	95	42182	18.831	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.660%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	30336	19.435	ug/l	99
3) Chloromethane	2.074	50	29923	30.154	ug/l	98
4) Vinyl Chloride	2.208	62	29658	28.986	ug/l	99
5) Bromomethane	2.598	94	18302	26.423	ug/l	90
6) Chloroethane	2.739	64	17634	29.503	ug/l	97
7) Trichlorofluoromethane	3.068	101	55451	22.457	ug/l	98
8) Diethyl Ether	3.458	74	18232	24.733	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.830	101	34675	20.855	ug/l	95
10) Methyl Iodide	4.013	142	38697	20.338	ug/l	99
11) Tert butyl alcohol	4.878	59	12889	112.894	ug/l #	90
12) 1,1-Dichloroethene	3.793	96	32389	20.845	ug/l	90
13) Acrolein	3.659	56	20427	155.371	ug/l	100
14) Allyl chloride	4.391	41	55315	25.859	ug/l	92
15) Acrylonitrile	5.067	53	38612	127.343	ug/l	97
16) Acetone	3.873	43	28518	133.874	ug/l	95
17) Carbon Disulfide	4.116	76	101973	21.308	ug/l	99
18) Methyl Acetate	4.391	43	19673	26.393	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	85748	23.710	ug/l	98
20) Methylene Chloride	4.629	84	34701	22.087	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	36879	22.137	ug/l	94
22) Diisopropyl ether	6.025	45	120281	27.585	ug/l	94
23) Vinyl Acetate	5.970	43	331355	137.224	ug/l	95
24) 1,1-Dichloroethane	5.927	63	67799	24.102	ug/l	98
25) 2-Butanone	6.902	43	46083	127.520	ug/l	95
26) 2,2-Dichloropropane	6.890	77	61862	22.336	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	42356	22.120	ug/l	93
28) Bromochloromethane	7.250	49	27966	26.684	ug/l	83
29) Tetrahydrofuran	7.268	42	32271	132.707	ug/l	90
30) Chloroform	7.427	83	69562	22.832	ug/l	98
31) Cyclohexane	7.707	56	59268	21.556	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	63645	21.585	ug/l	96
36) 1,1-Dichloropropene	7.841	75	50918	20.868	ug/l	96
37) Ethyl Acetate	6.988	43	23724	26.080	ug/l #	96
38) Carbon Tetrachloride	7.823	117	59433	19.683	ug/l	96
39) Methylcyclohexane	9.116	83	61029	18.619	ug/l	92
40) Benzene	8.085	78	150967	21.027	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.262	41	31453	62.491	ug/l	#	43
42) 1,2-Dichloroethane	8.164	62	41726	22.916	ug/l		98
43) Isopropyl Acetate	8.201	43	45505	25.040	ug/l		97
44) Trichloroethene	8.872	130	38841	19.606	ug/l		100
45) 1,2-Dichloropropane	9.146	63	36268	22.538	ug/l		99
46) Dibromomethane	9.237	93	20417	21.802	ug/l		93
47) Bromodichloromethane	9.426	83	53424	21.723	ug/l		97
48) Methyl methacrylate	9.225	41	19957	23.066	ug/l		91
49) 1,4-Dioxane	9.237	88	3939	395.839	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.006	43	114844	122.983	ug/l		94
52) Toluene	10.176	92	95614	20.517	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	47690	21.429	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	57105	21.469	ug/l	#	89
55) 1,1,2-Trichloroethane	10.579	97	26314	21.129	ug/l		98
56) Ethyl methacrylate	10.445	69	34126	20.963	ug/l	#	86
57) 1,3-Dichloropropane	10.725	76	45784	21.690	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	83057	120.208	ug/l		95
59) 2-Hexanone	10.768	43	72555	119.535	ug/l		92
60) Dibromochloromethane	10.914	129	36853	20.754	ug/l		99
61) 1,2-Dibromoethane	11.018	107	24505	20.600	ug/l		97
64) Tetrachloroethene	10.652	164	34418	18.655	ug/l		97
65) Chlorobenzene	11.444	112	103141	20.015	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	36817	20.130	ug/l		99
67) Ethyl Benzene	11.524	91	182430	20.446	ug/l		99
68) m/p-Xylenes	11.633	106	138826	40.497	ug/l		97
69) o-Xylene	11.963	106	64616	20.276	ug/l		98
70) Styrene	11.975	104	108143	20.439	ug/l		99
71) Bromoform	12.139	173	21254	19.718	ug/l	#	100
73) Isopropylbenzene	12.261	105	171836	20.921	ug/l		100
74) N-amyl acetate	12.078	43	37235	24.896	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.511	83	29712	22.410	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	38943	42.065	ug/l	#	100
77) Bromobenzene	12.536	156	40491	20.793	ug/l		95
78) n-propylbenzene	12.603	91	206279	21.429	ug/l		98
79) 2-Chlorotoluene	12.688	91	118673	21.638	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	142319	21.150	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	9872	22.135	ug/l		93
82) 4-Chlorotoluene	12.786	91	121872	21.712	ug/l		100
83) tert-Butylbenzene	13.005	119	128881	20.651	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	139446	21.214	ug/l		99
85) sec-Butylbenzene	13.182	105	185044	20.943	ug/l		99
86) p-Isopropyltoluene	13.298	119	154555	20.815	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77631	20.446	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	76342	20.248	ug/l		97
89) n-Butylbenzene	13.627	91	138532	20.829	ug/l		98
90) Hexachloroethane	13.889	117	31796	21.166	ug/l		93
91) 1,2-Dichlorobenzene	13.663	146	67363	20.344	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4160	20.380	ug/l		88
93) 1,2,4-Trichlorobenzene	14.932	180	34770	17.150	ug/l		98
94) Hexachlorobutadiene	15.029	225	24481	17.435	ug/l		97
95) Naphthalene	15.151	128	55021	16.886	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	29301	17.090	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

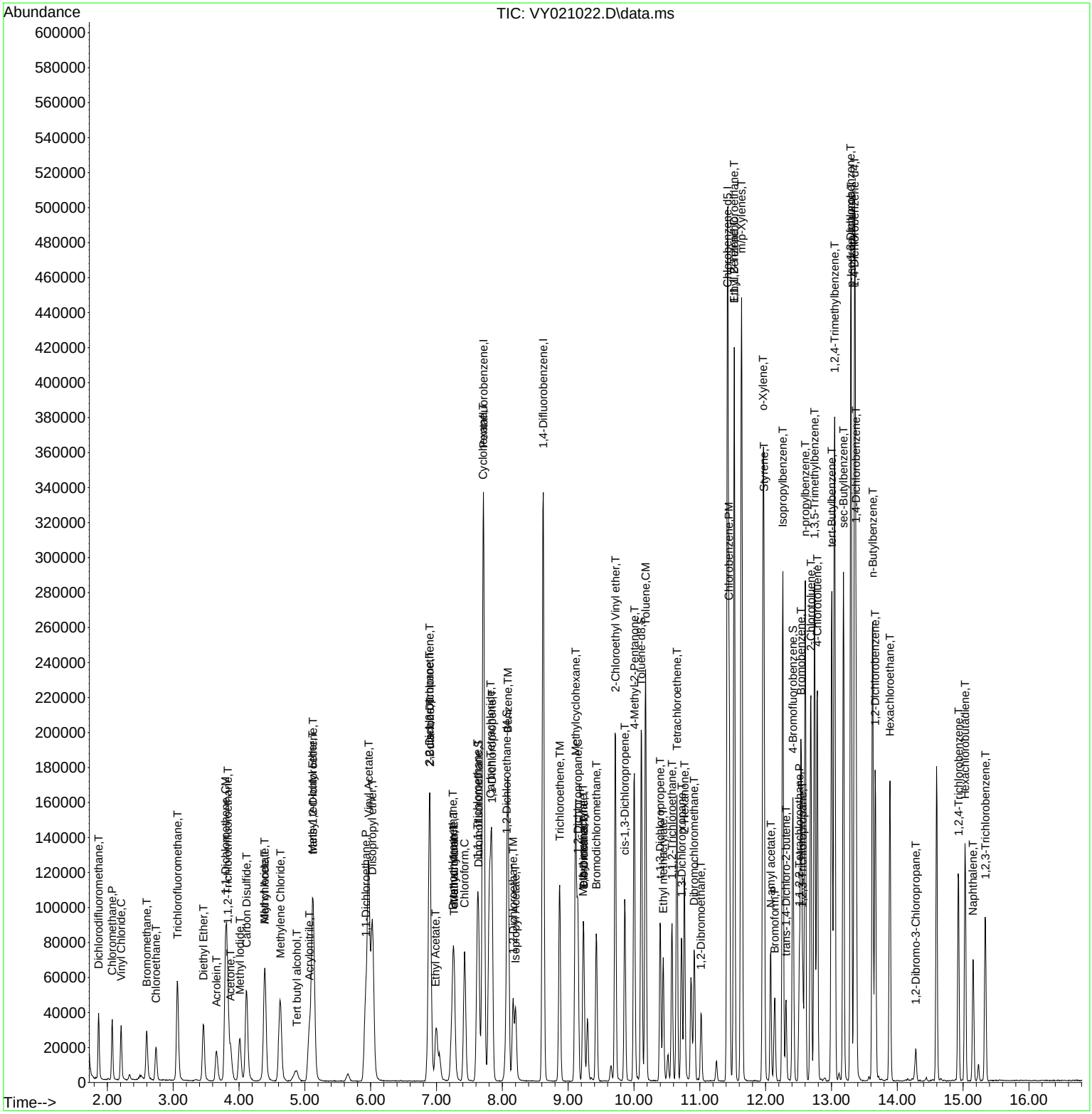
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

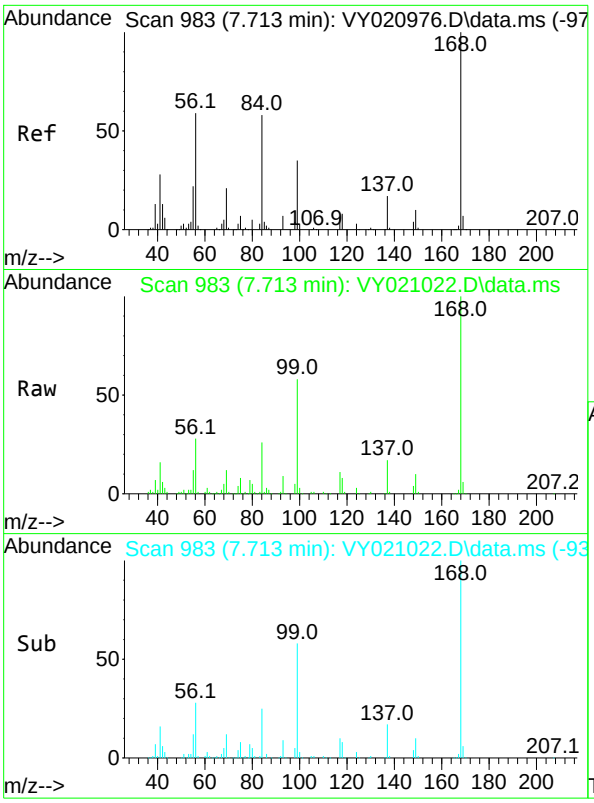
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



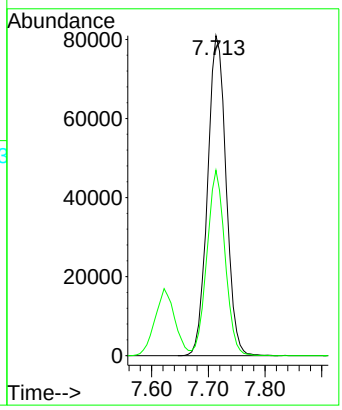


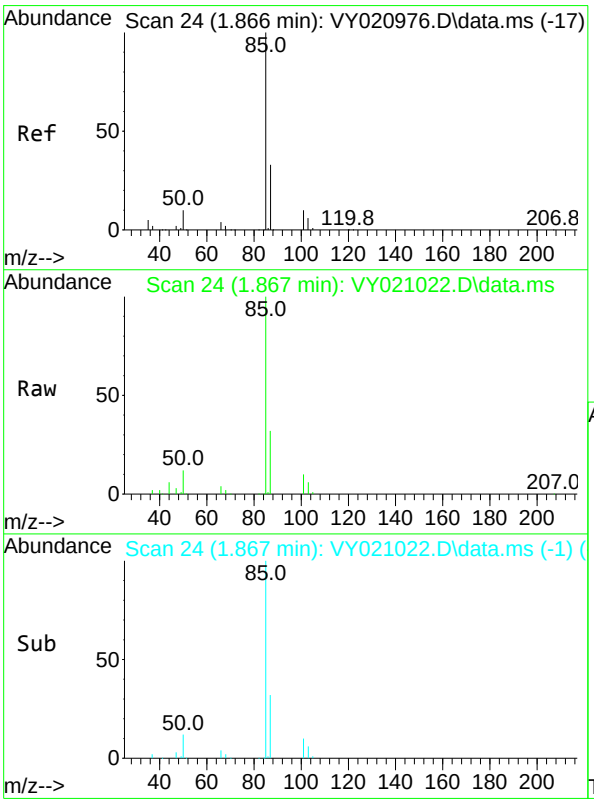
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 183569

Ion	Ratio	Lower	Upper
168	100		
99	57.9	42.2	63.2

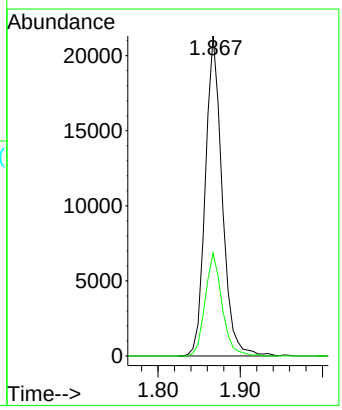


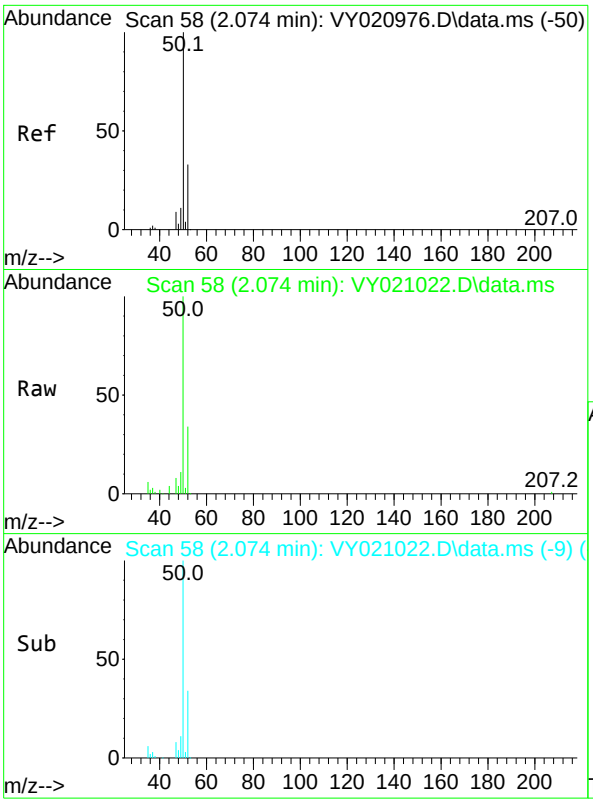


#2
Dichlorodifluoromethane
Concen: 19.435 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 85 Resp: 30336

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.9



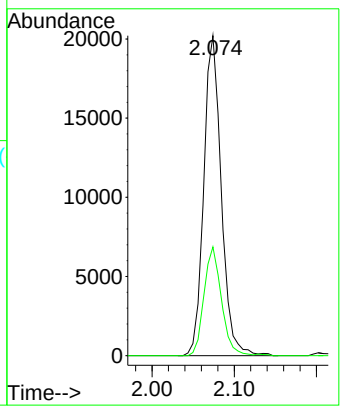


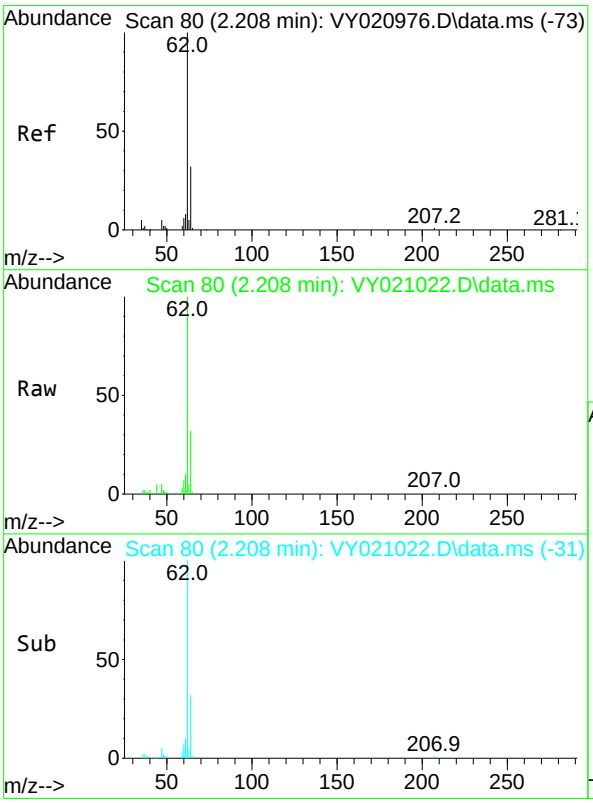
#3
Chloromethane
Concen: 30.154 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 29923

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.3	39.5

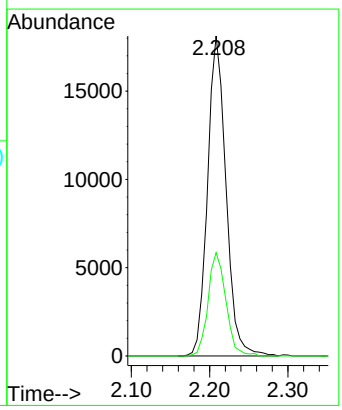


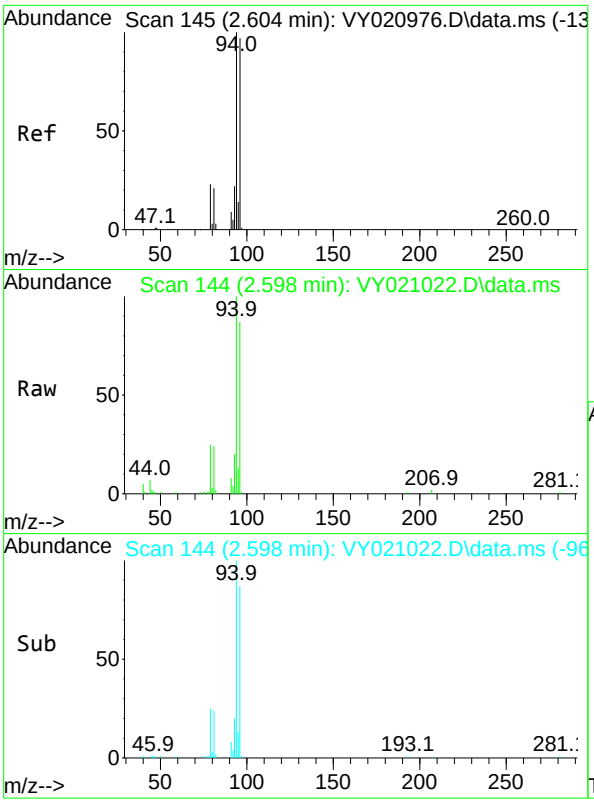


#4
Vinyl Chloride
Concen: 28.986 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 29658

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.2



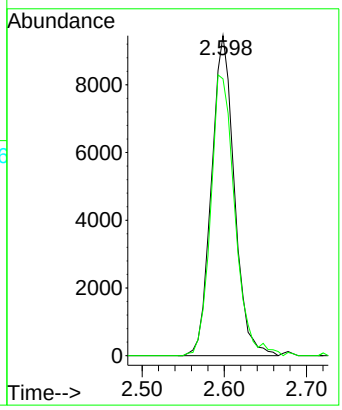


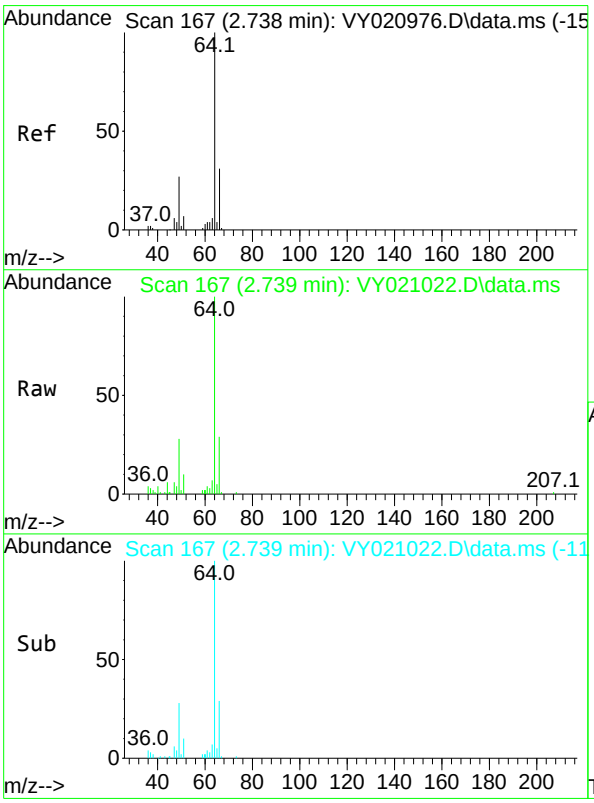
#5
Bromomethane
Concen: 26.423 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 18302

Ion	Ratio	Lower	Upper
94	100		
96	86.5	77.4	116.0

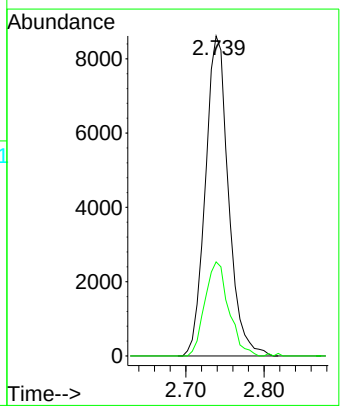


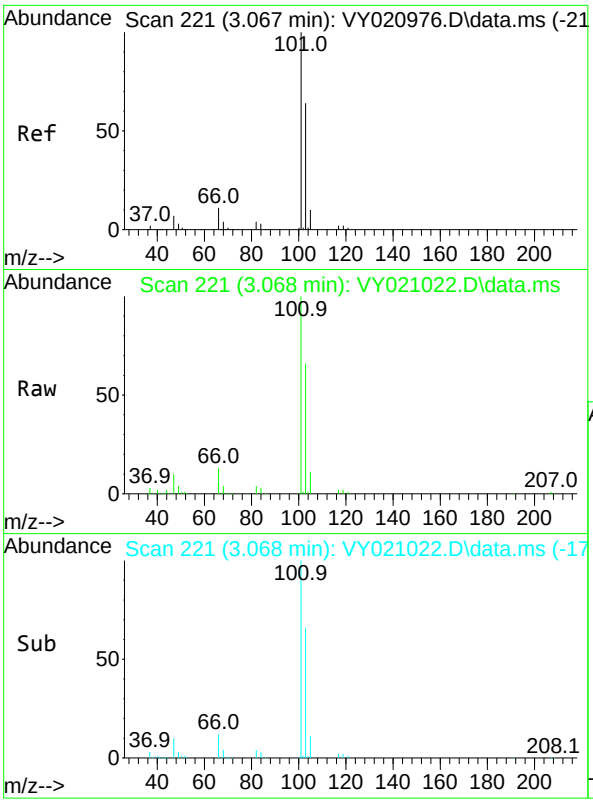


#6
Chloroethane
Concen: 29.503 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 64 Resp: 17634

Ion	Ratio	Lower	Upper
64	100		
66	29.4	25.0	37.4



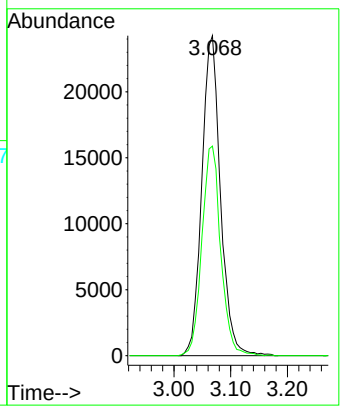


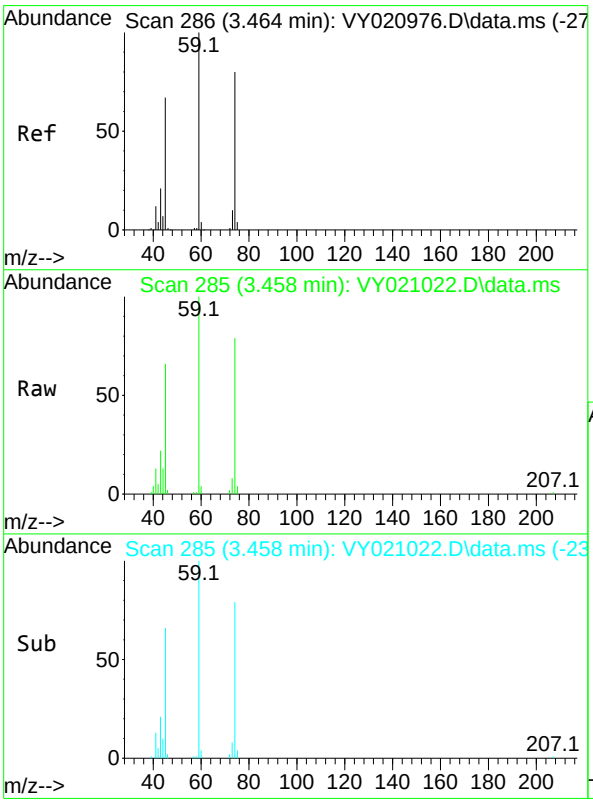
#7
Trichlorofluoromethane
Concen: 22.457 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 55451

Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.9	76.3

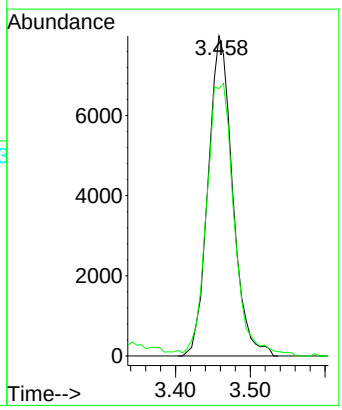


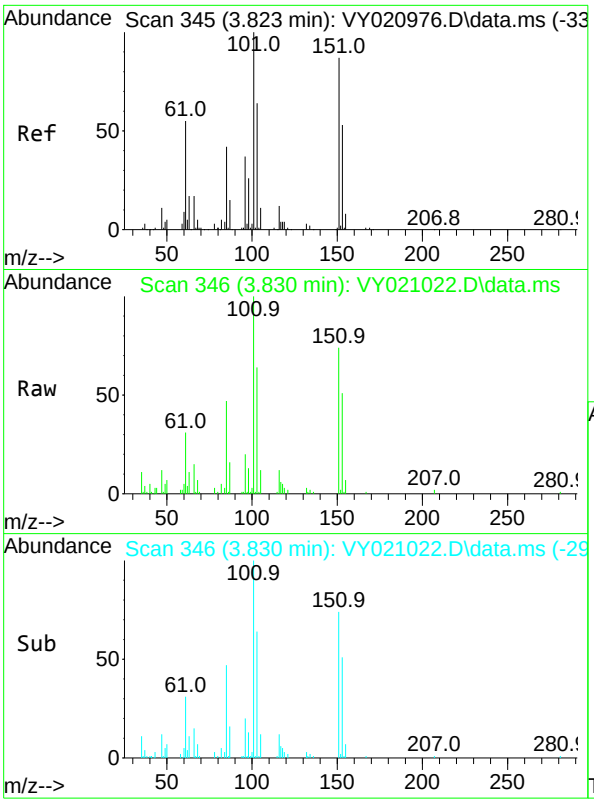


#8
Diethyl Ether
Concen: 24.733 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 74 Resp: 18232

Ion	Ratio	Lower	Upper
74	100		
45	95.6	43.4	130.2



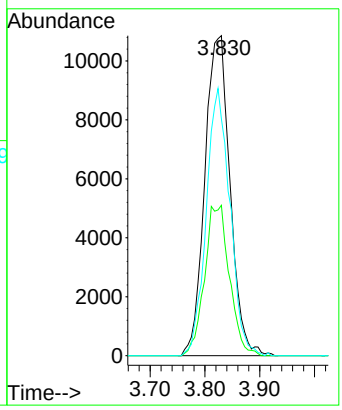


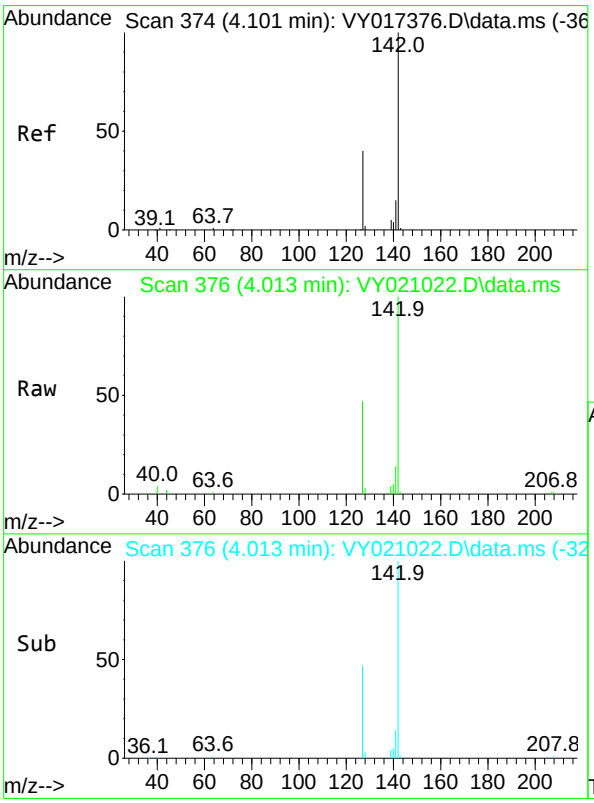
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.855 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 34675

Ion	Ratio	Lower	Upper
101	100		
85	46.3	34.9	52.3
151	78.7	66.8	100.2

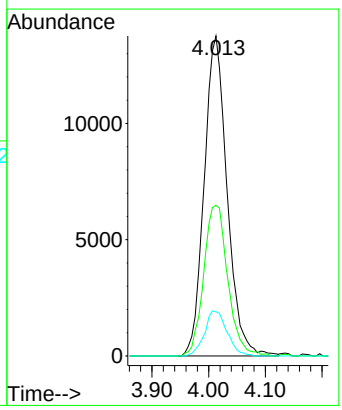


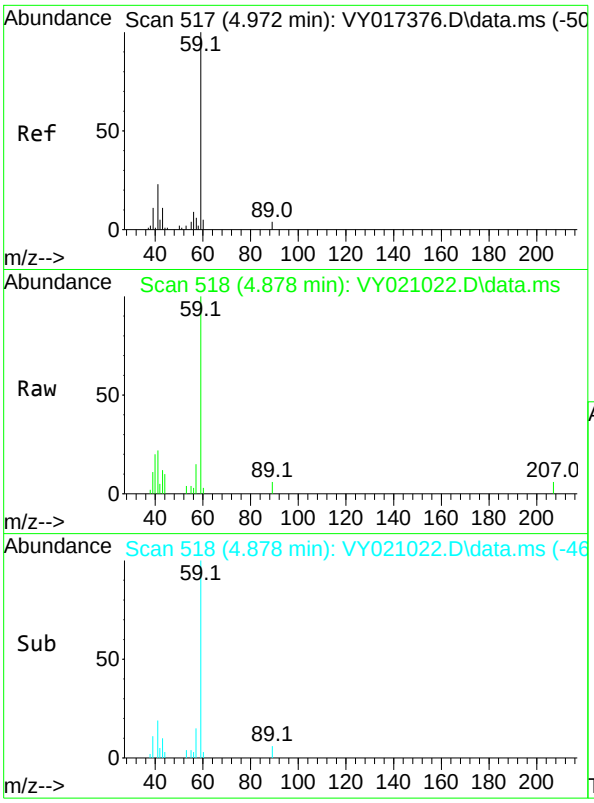


#10
Methyl Iodide
Concen: 20.338 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:142 Resp: 38697

Ion	Ratio	Lower	Upper
142	100		
127	49.5	38.9	58.3
141	13.8	11.7	17.5



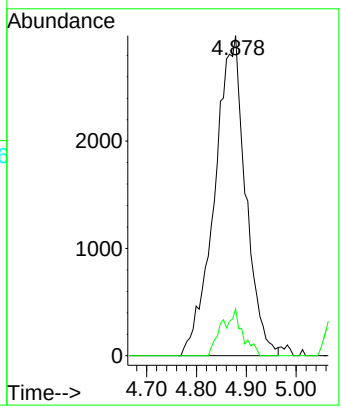


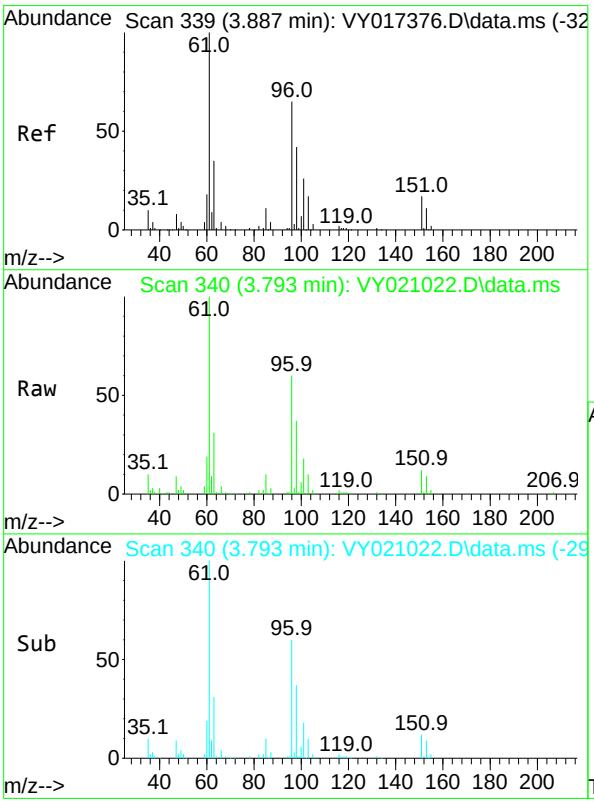
#11
Tert butyl alcohol
Concen: 112.894 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 12889

Ion	Ratio	Lower	Upper
59	100		
57	6.0	7.8	11.8#

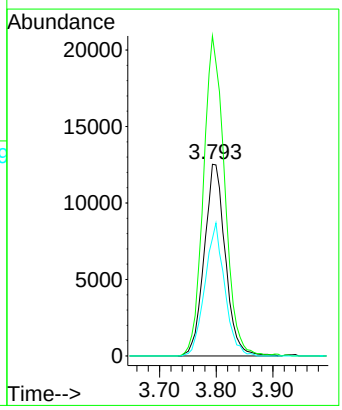


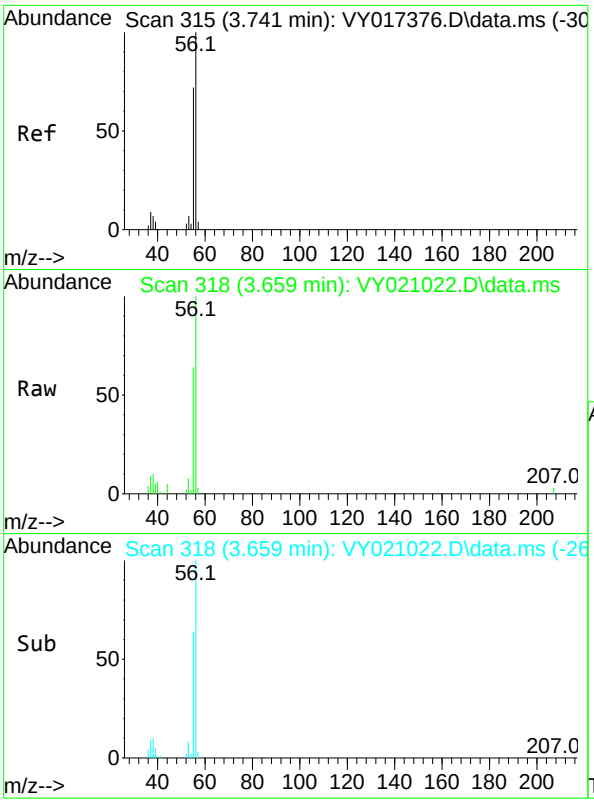


#12
1,1-Dichloroethene
Concen: 20.845 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 32389

Ion	Ratio	Lower	Upper
96	100		
61	166.9	120.8	181.2
98	61.3	50.6	76.0



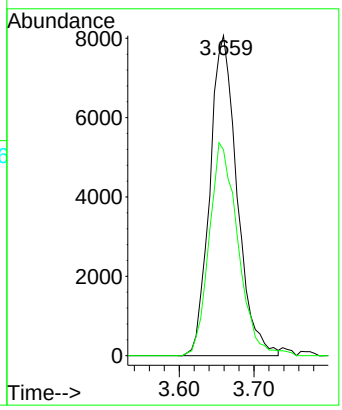


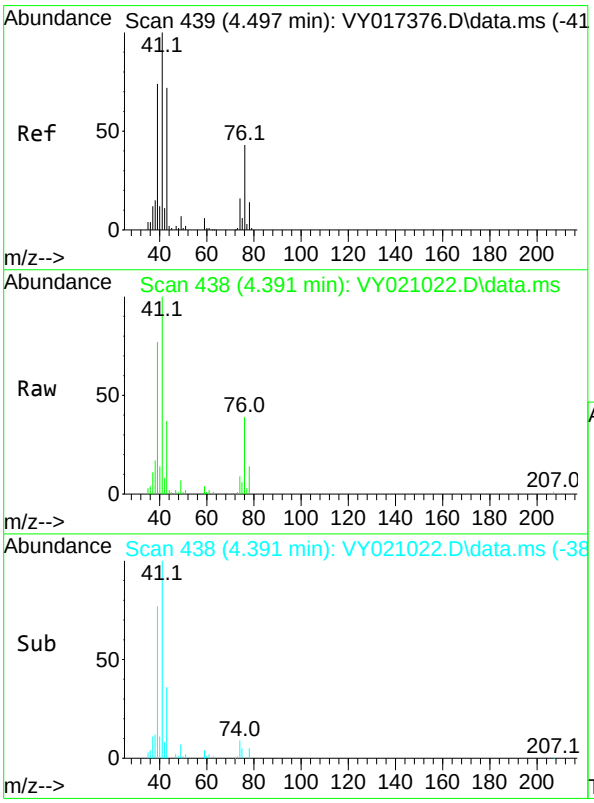
#13
Acrolein
Concen: 155.371 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 20427

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.1	84.1

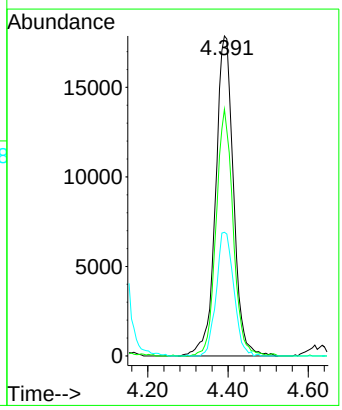


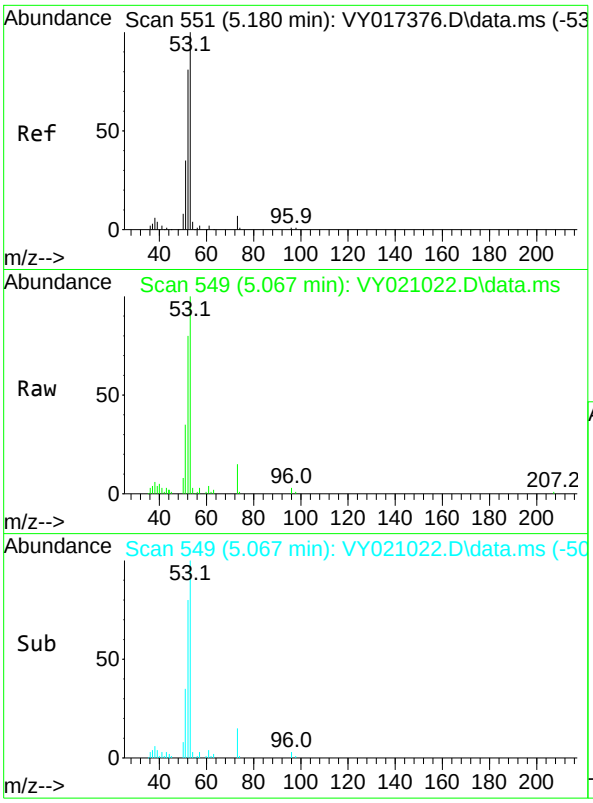


#14
Allyl chloride
Concen: 25.859 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 55315

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.5	80.3
76	37.8	34.6	52.0



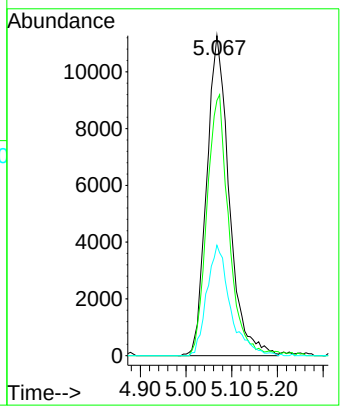


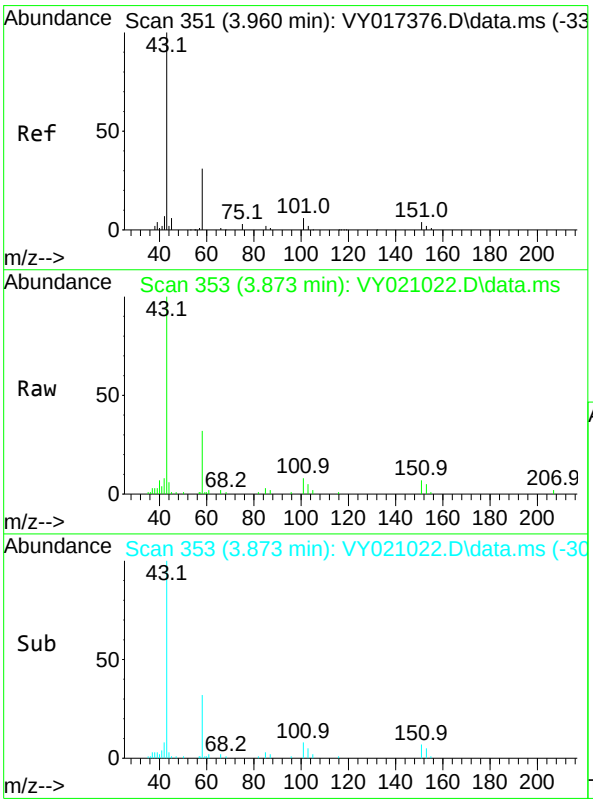
#15
Acrylonitrile
Concen: 127.343 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 38612

Ion	Ratio	Lower	Upper
53	100		
52	79.0	66.2	99.4
51	35.8	29.4	44.0

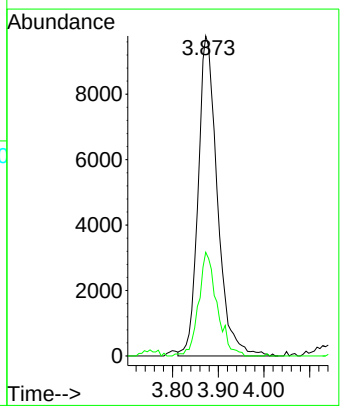


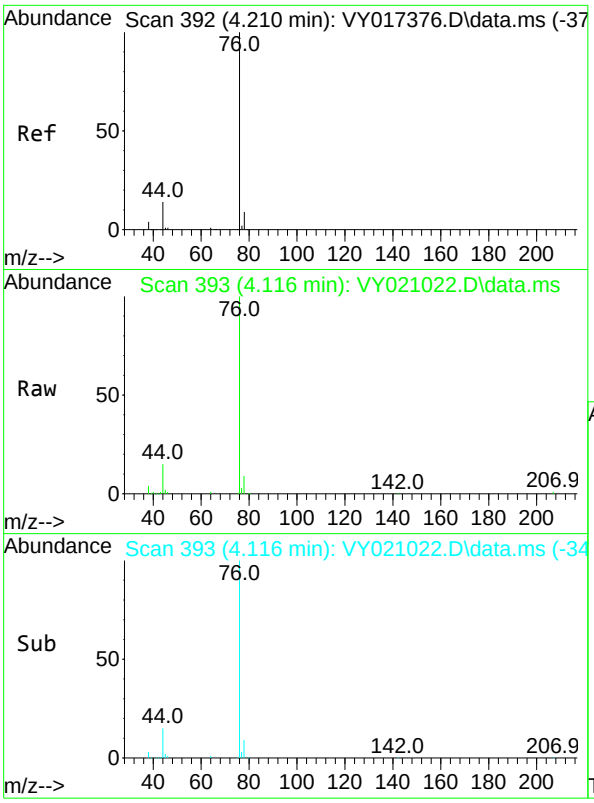


#16
Acetone
Concen: 133.874 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 28518

Ion	Ratio	Lower	Upper
43	100		
58	32.4	28.4	42.6



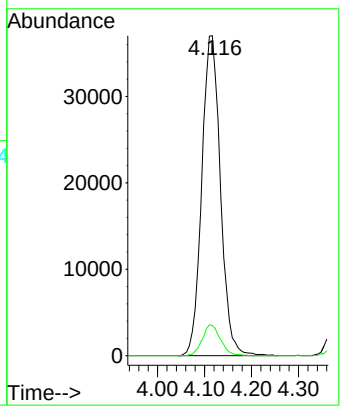


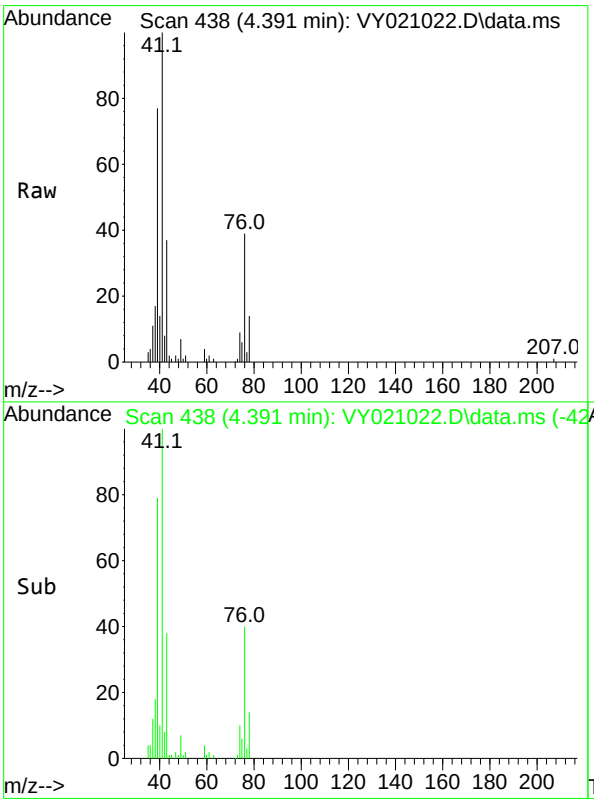
#17
Carbon Disulfide
Concen: 21.308 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 101973

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

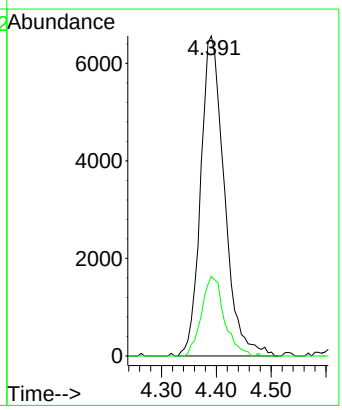


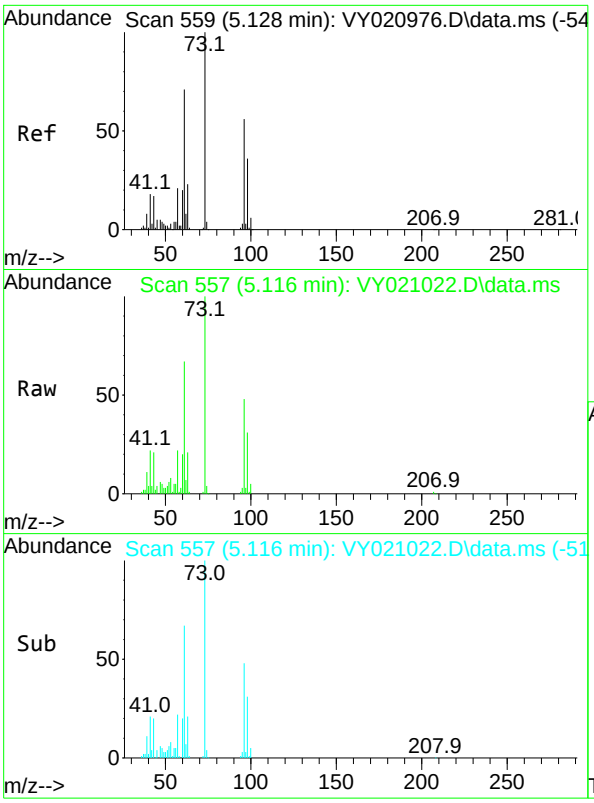


#18
Methyl Acetate
Concen: 26.393 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 19673

Ion	Ratio	Lower	Upper
43	100		
74	23.8	22.2	33.4



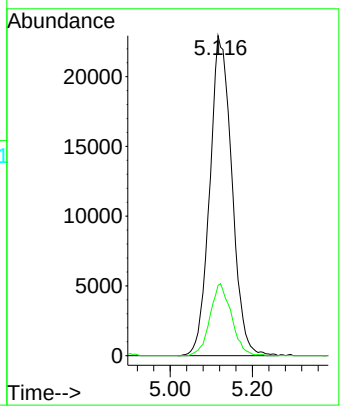


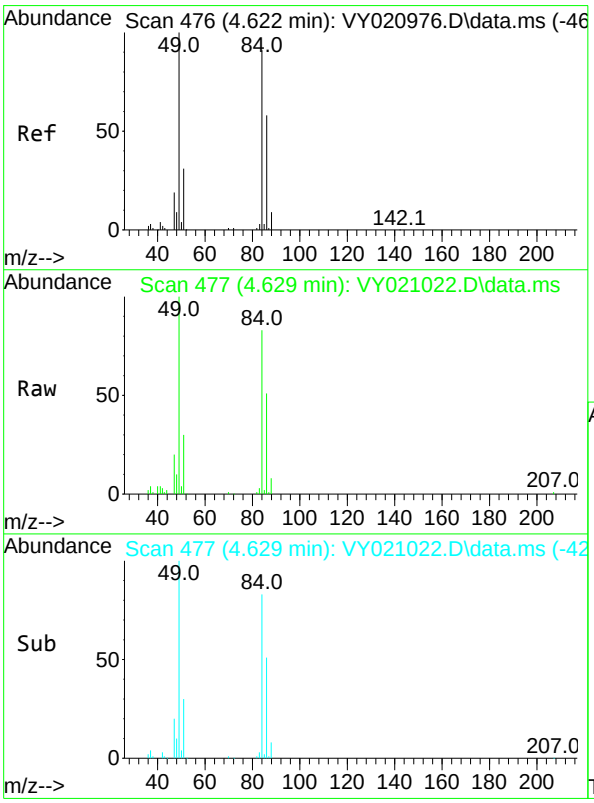
#19
Methyl tert-butyl Ether
Concen: 23.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 85748

Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.6	25.0

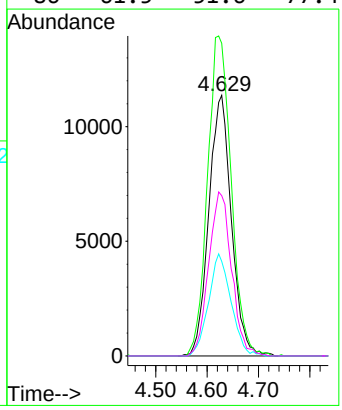


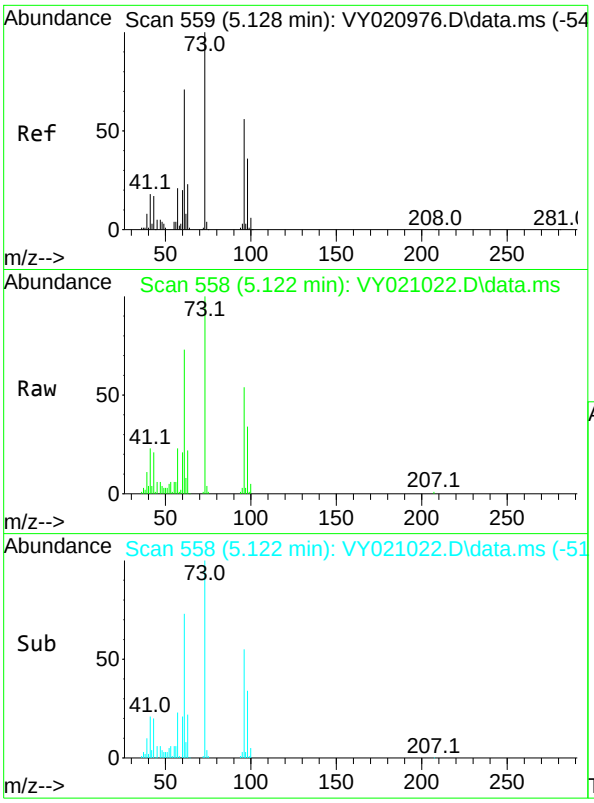


#20
Methylene Chloride
Concen: 22.087 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 84 Resp: 34701

Ion	Ratio	Lower	Upper
84	100		
49	120.0	88.3	132.5
51	36.3	27.7	41.5
86	61.5	51.6	77.4



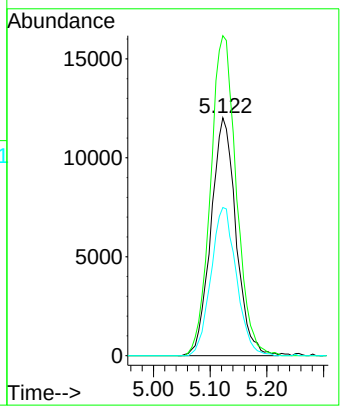


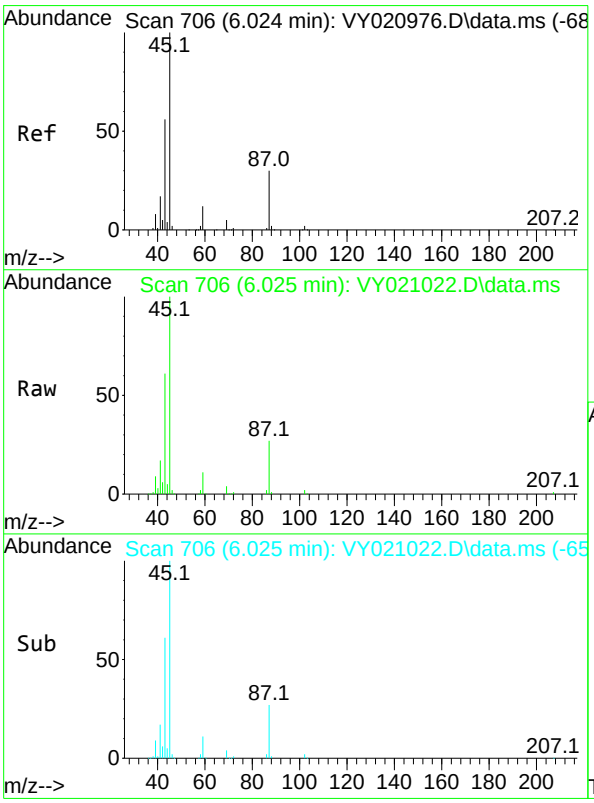
#21
trans-1,2-Dichloroethene
Concen: 22.137 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 36879

Ion	Ratio	Lower	Upper
96	100		
61	134.5	101.5	152.3
98	62.3	52.0	78.0

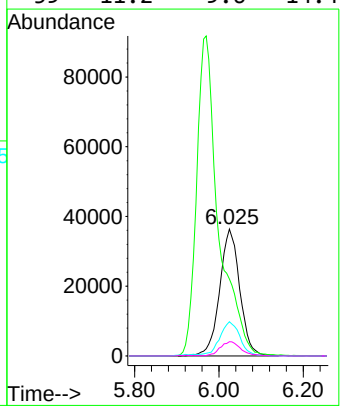


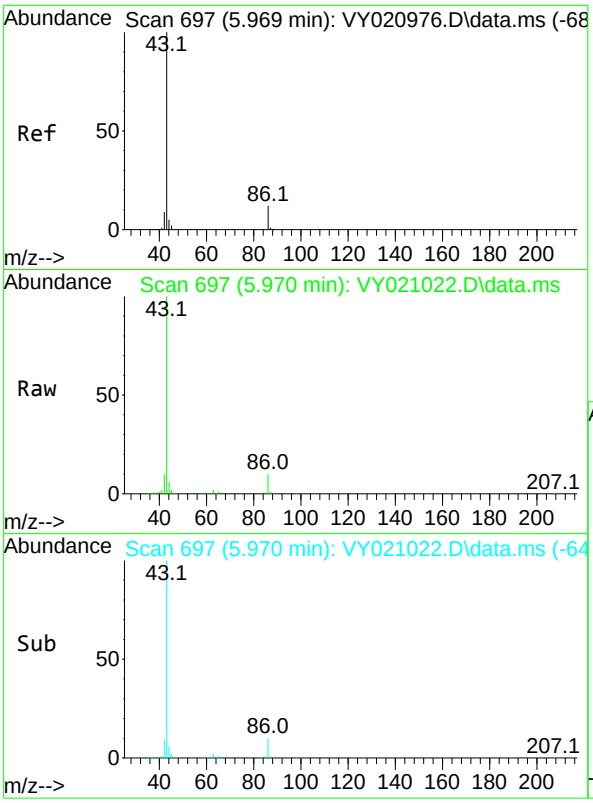


#22
Diisopropyl ether
Concen: 27.585 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 45 Resp: 120281

Ion	Ratio	Lower	Upper
45	100		
43	60.3	45.1	67.7
87	27.0	25.0	37.4
59	11.2	9.6	14.4



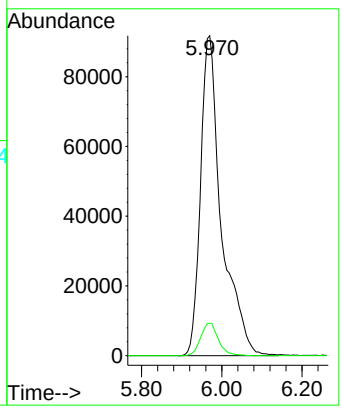


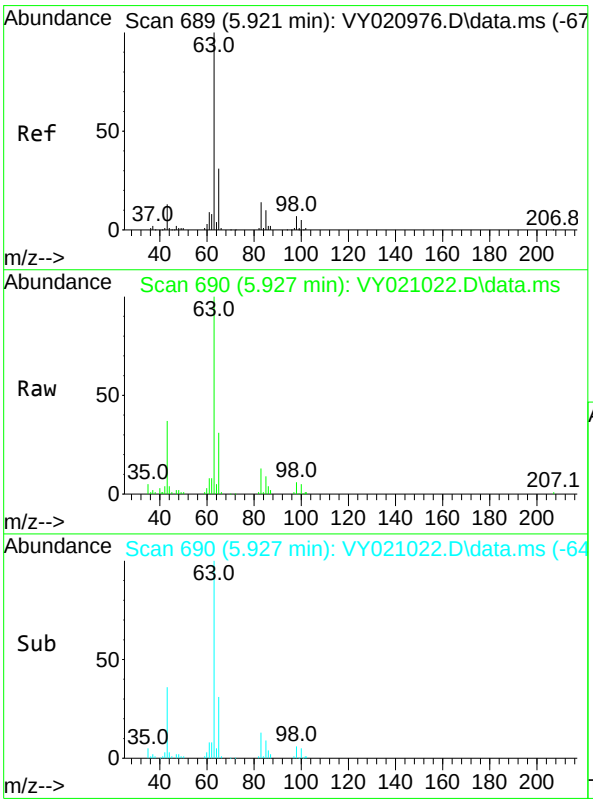
#23
Vinyl Acetate
Concen: 137.224 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 331355

Ion	Ratio	Lower	Upper
43	100		
86	10.1	9.7	14.5

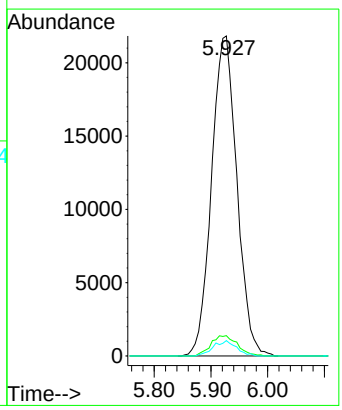


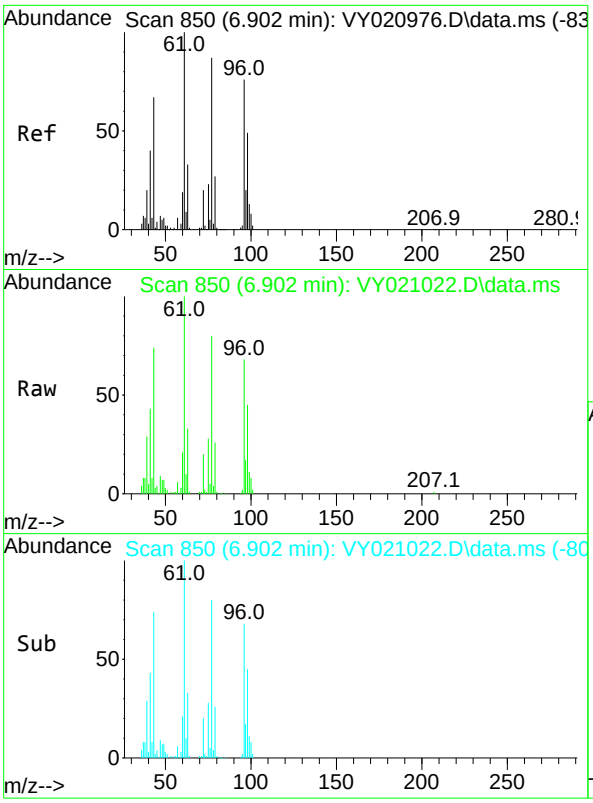


#24
1,1-Dichloroethane
Concen: 24.102 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 67799

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.7	11.1
100	4.8	2.4	7.2



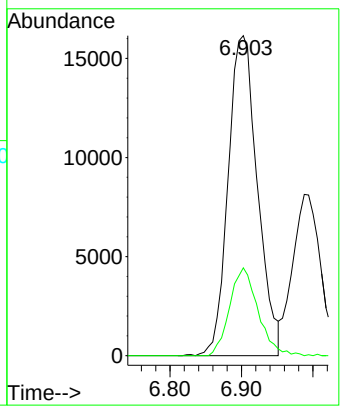


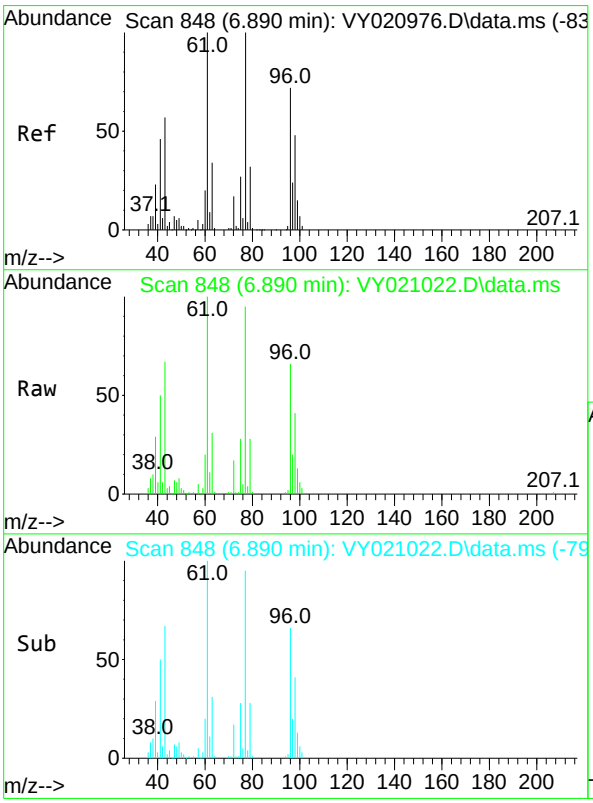
#25
2-Butanone
Concen: 127.520 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 46083

Ion	Ratio	Lower	Upper
43	100		
72	27.5	24.3	36.5

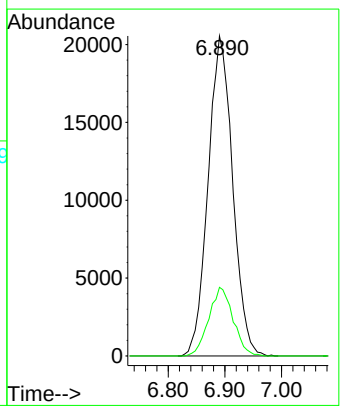


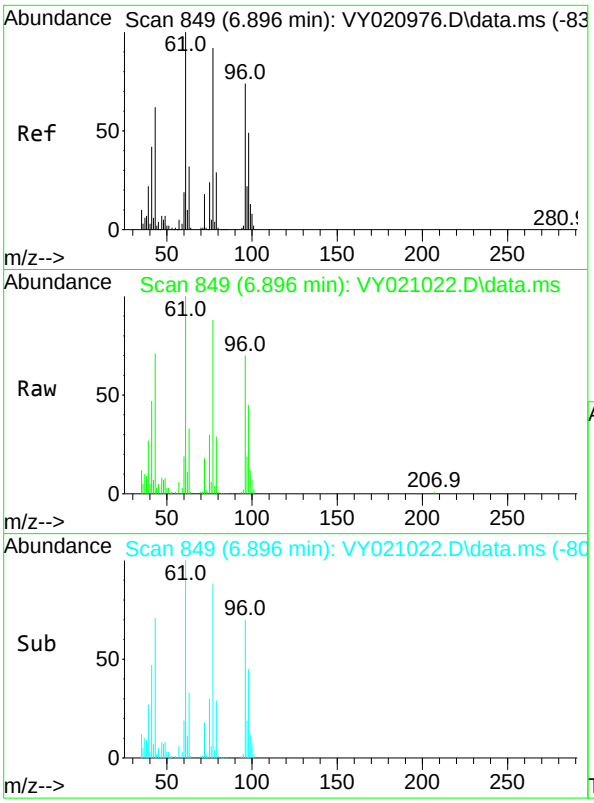


#26
2,2-Dichloropropane
Concen: 22.336 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 77 Resp: 61862

Ion	Ratio	Lower	Upper
77	100		
97	21.3	11.4	34.2



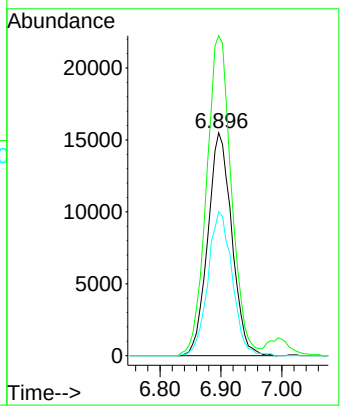


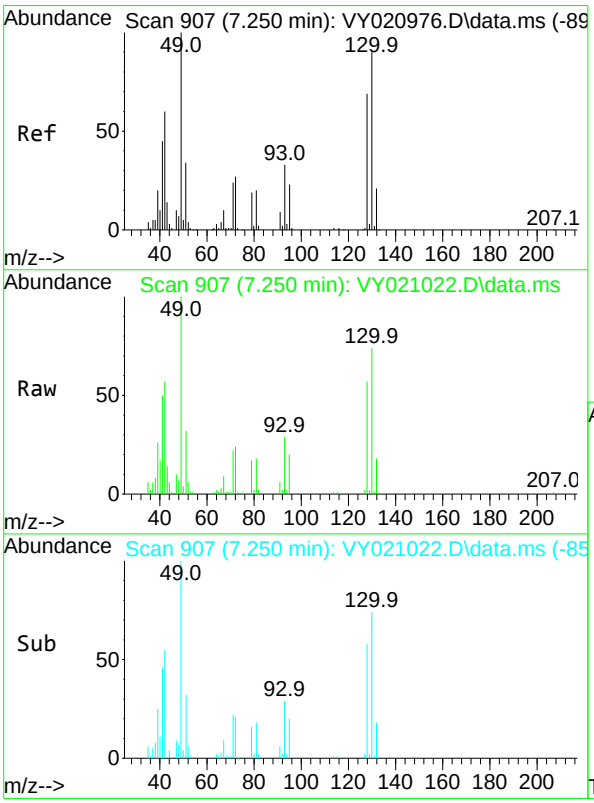
#27
cis-1,2-Dichloroethene
Concen: 22.120 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 42356

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	274.0
98	65.6	0.0	130.4

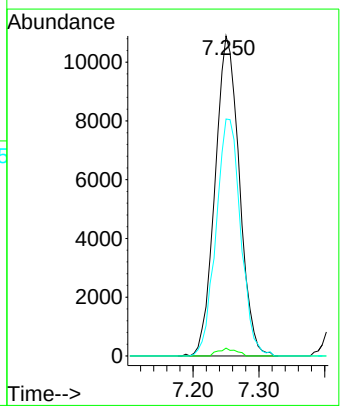


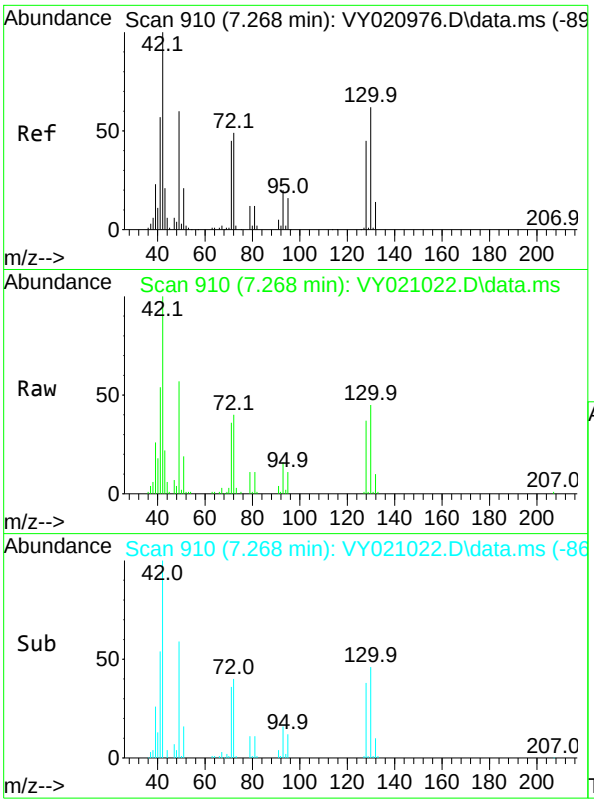


#28
Bromochloromethane
Concen: 26.684 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 49 Resp: 27966

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.0
130	75.3	73.2	109.8



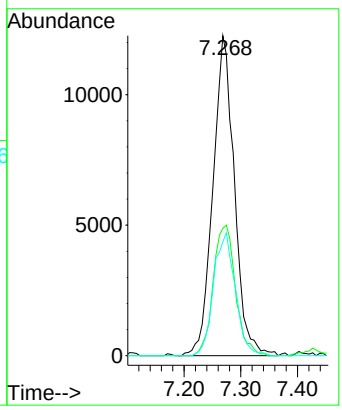


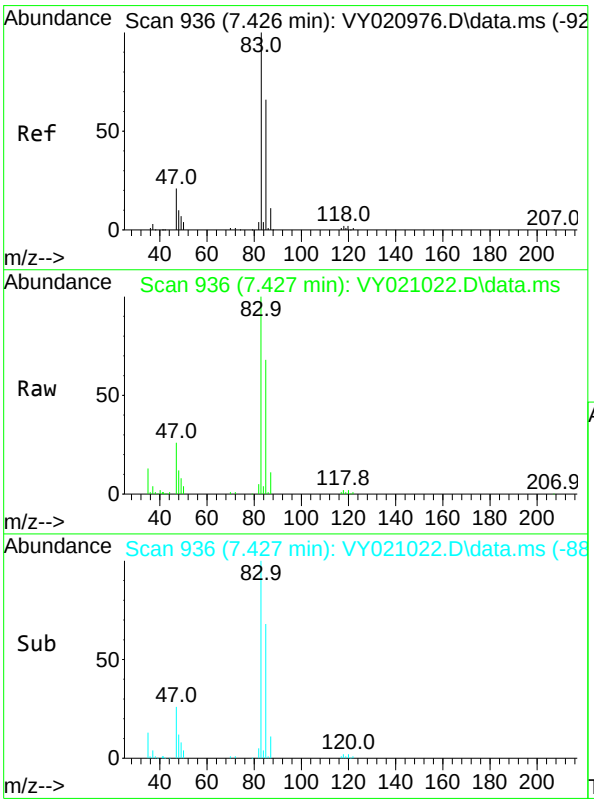
#29
Tetrahydrofuran
Concen: 132.707 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 32271

Ion	Ratio	Lower	Upper
42	100		
72	42.2	39.3	58.9
71	39.0	36.1	54.1

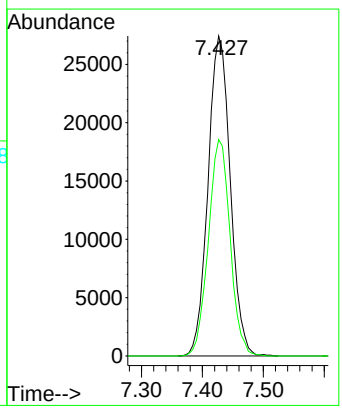


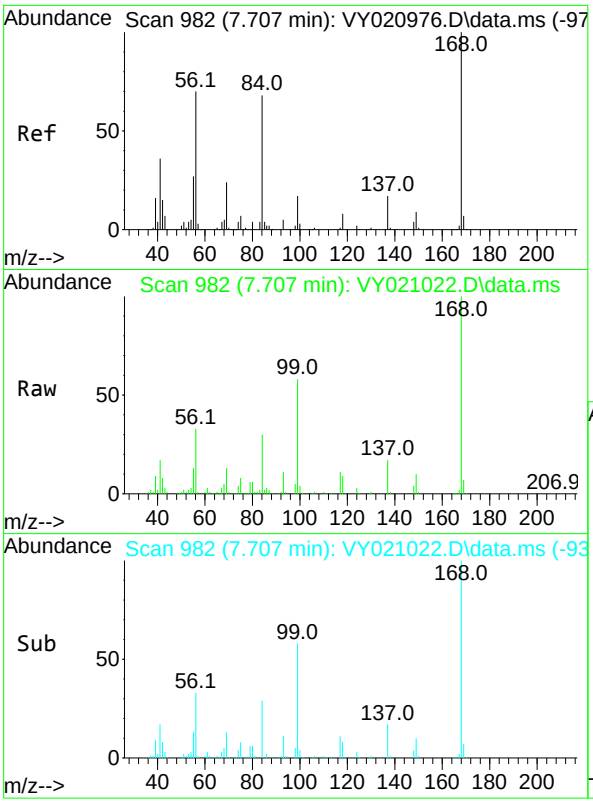


#30
Chloroform
Concen: 22.832 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 69562

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.9	79.3



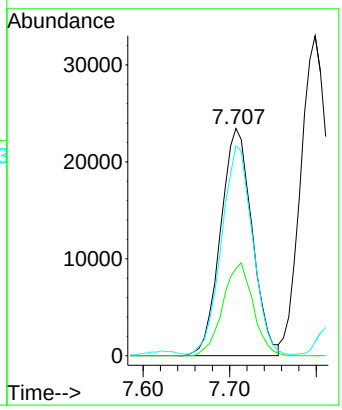


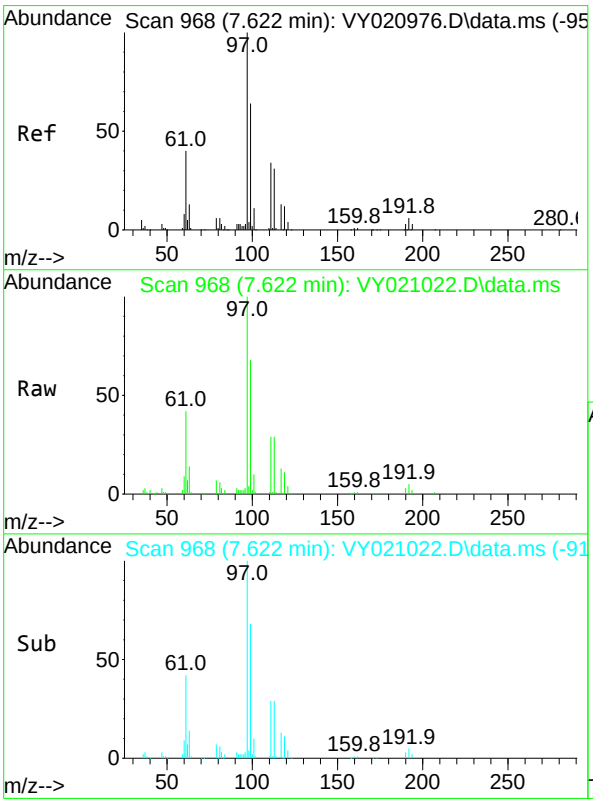
#31
Cyclohexane
Concen: 21.556 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 59268

Ion	Ratio	Lower	Upper
56	100		
69	38.4	27.7	41.5
84	91.2	77.5	116.3

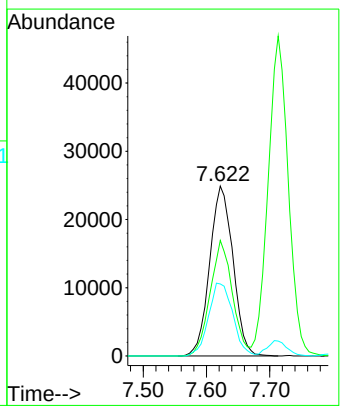


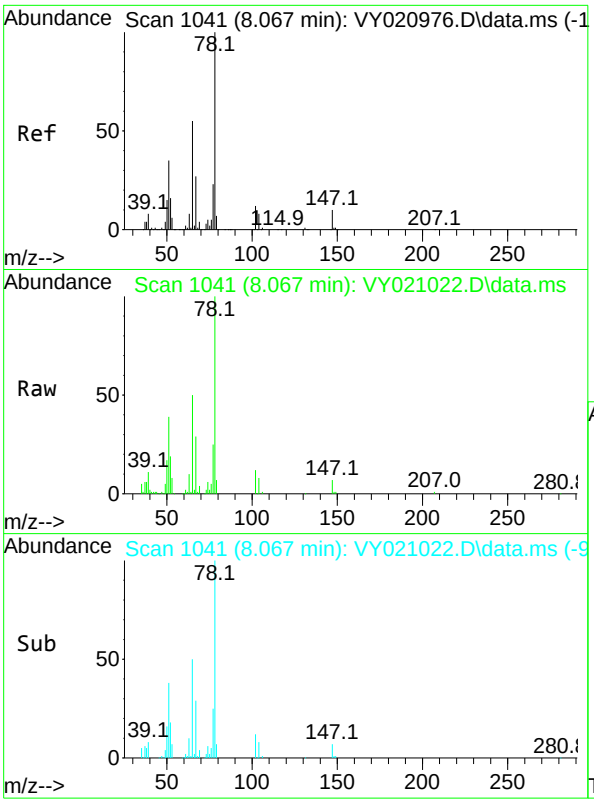


#32
1,1,1-Trichloroethane
Concen: 21.585 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 97 Resp: 63645

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	44.5	31.4	47.0



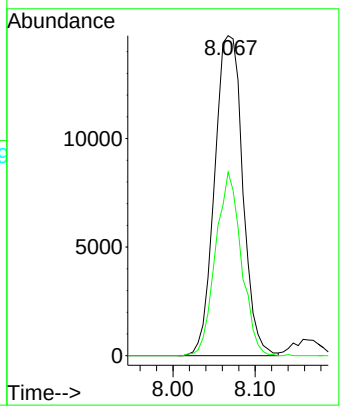


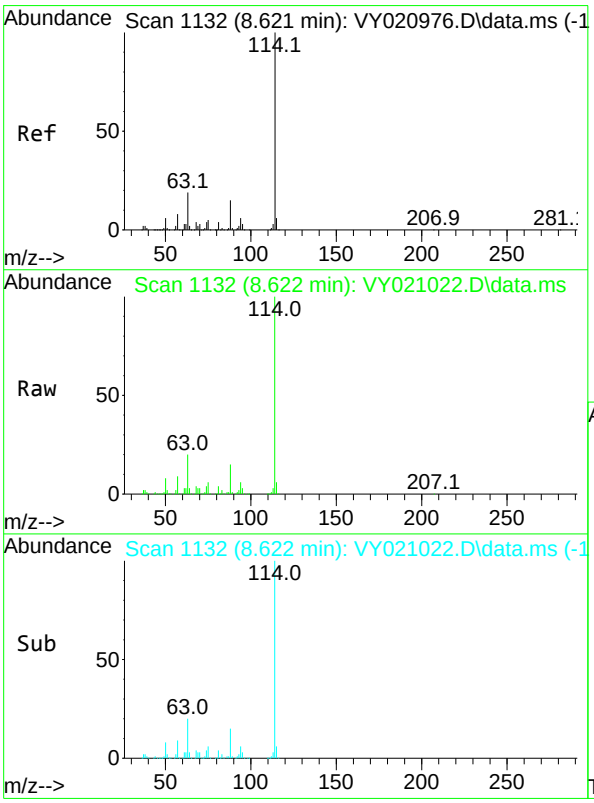
#33
1,2-Dichloroethane-d4
Concen: 22.450 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 35087

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.4

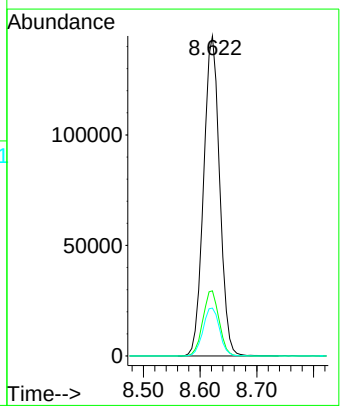


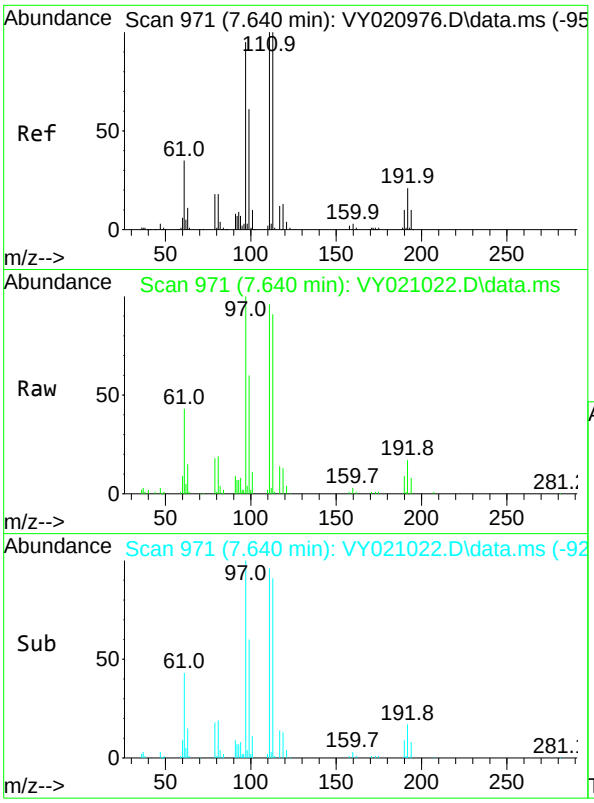


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:114 Resp: 284501

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	37.2
88	15.0	0.0	29.6



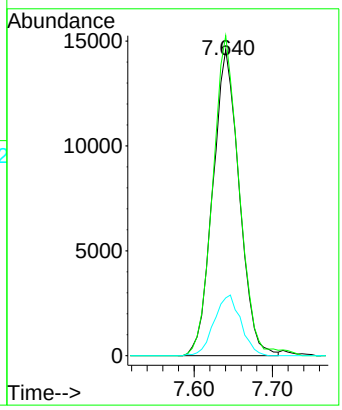


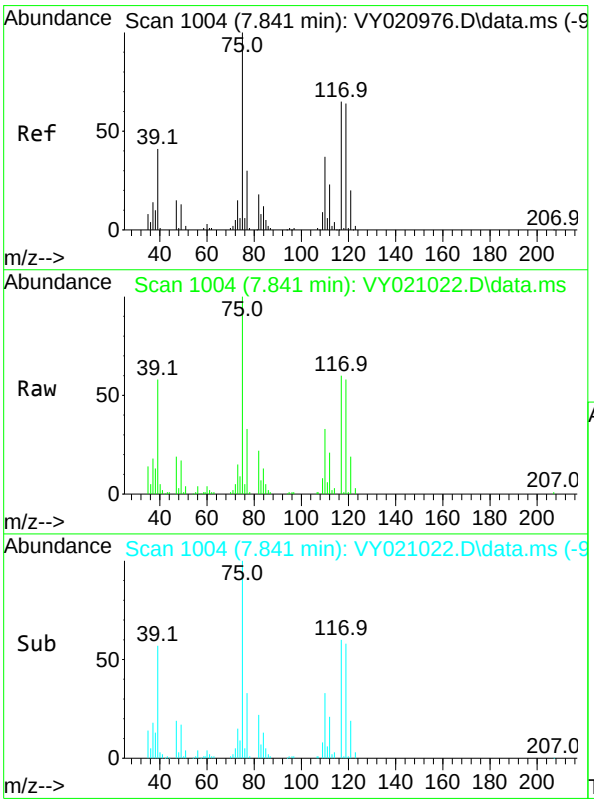
#35
Dibromofluoromethane
Concen: 20.042 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 34279

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	20.0	16.8	25.2

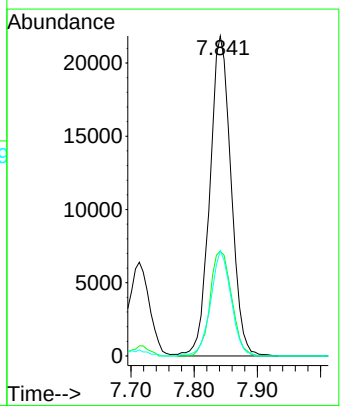


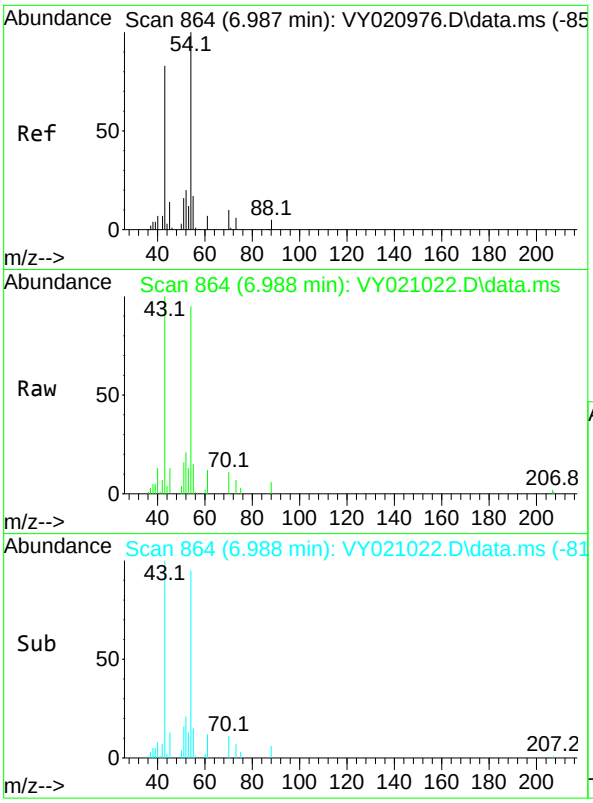


#36
1,1-Dichloropropene
Concen: 20.868 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 50918

Ion	Ratio	Lower	Upper
75	100		
110	33.3	18.4	55.2
77	31.6	24.9	37.3



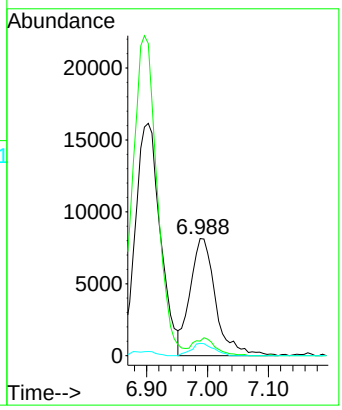


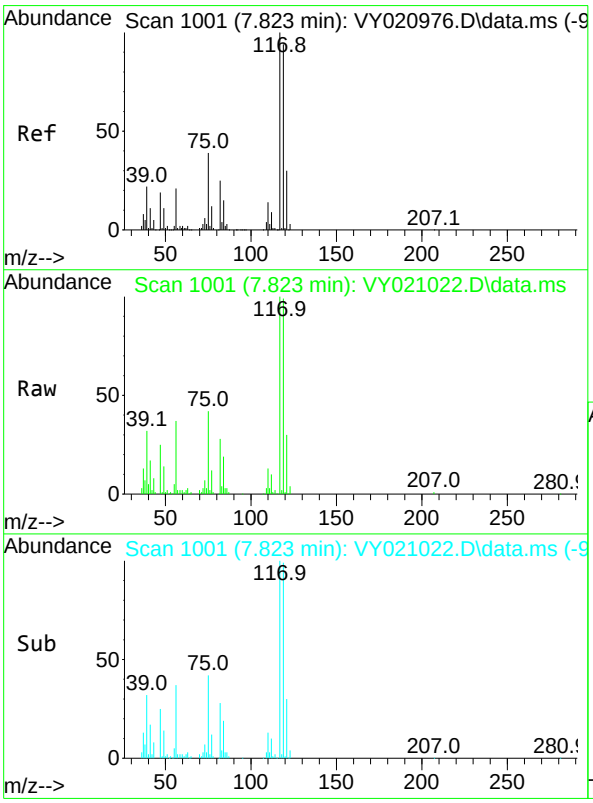
#37
Ethyl Acetate
Concen: 26.080 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 23724

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.0
70	9.2	9.6	14.4#

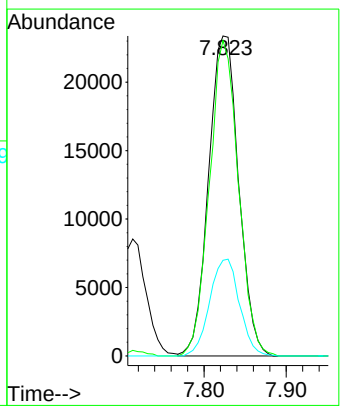


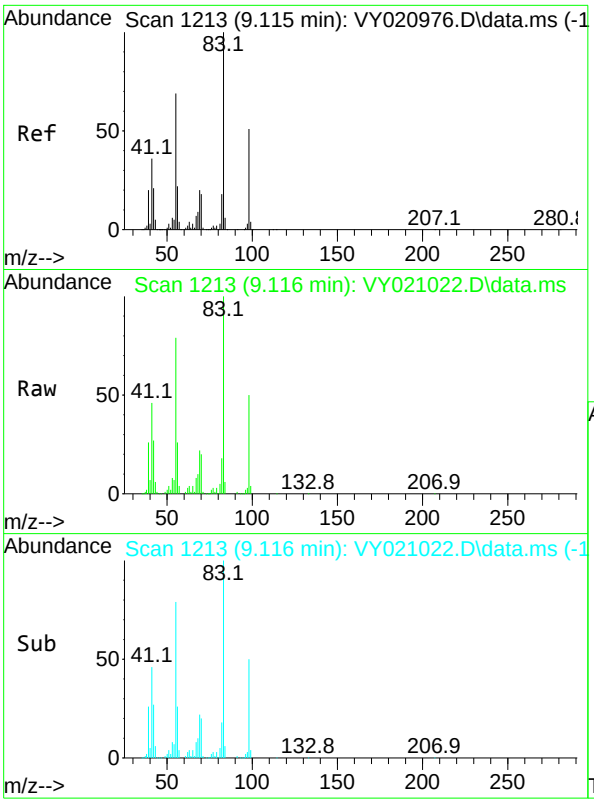


#38
Carbon Tetrachloride
Concen: 19.683 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 59433

Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.0	112.6
121	29.9	24.2	36.2



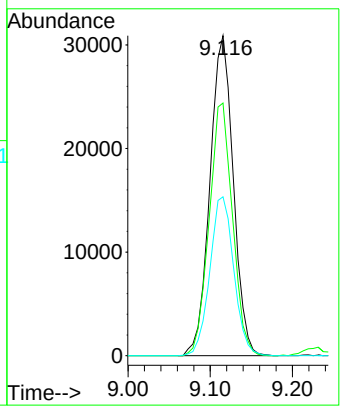


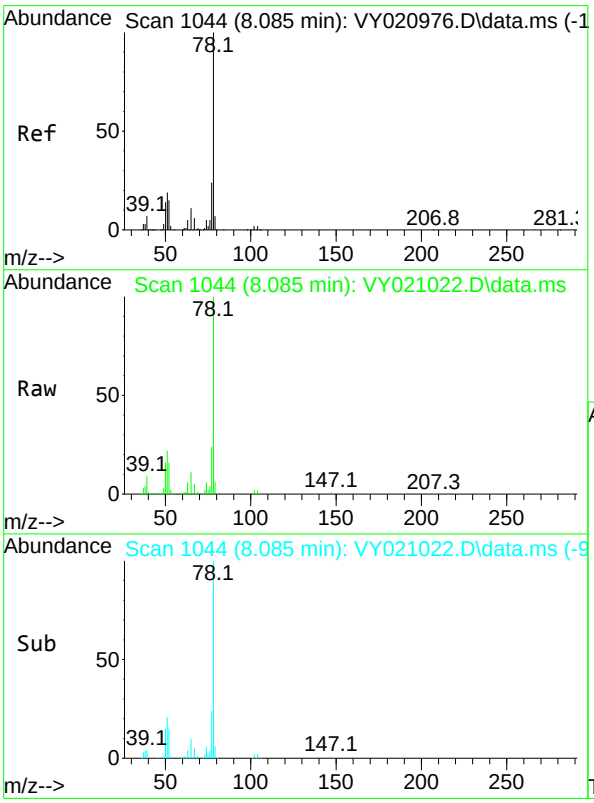
#39
Methylcyclohexane
Concen: 18.619 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 61029

Ion	Ratio	Lower	Upper
83	100		
55	78.9	54.9	82.3
98	49.7	40.5	60.7

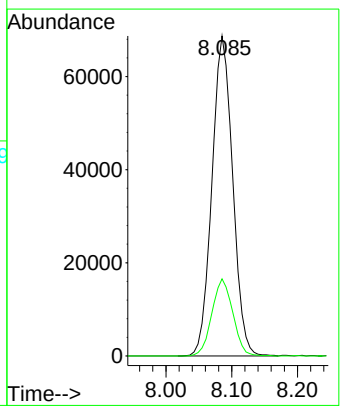


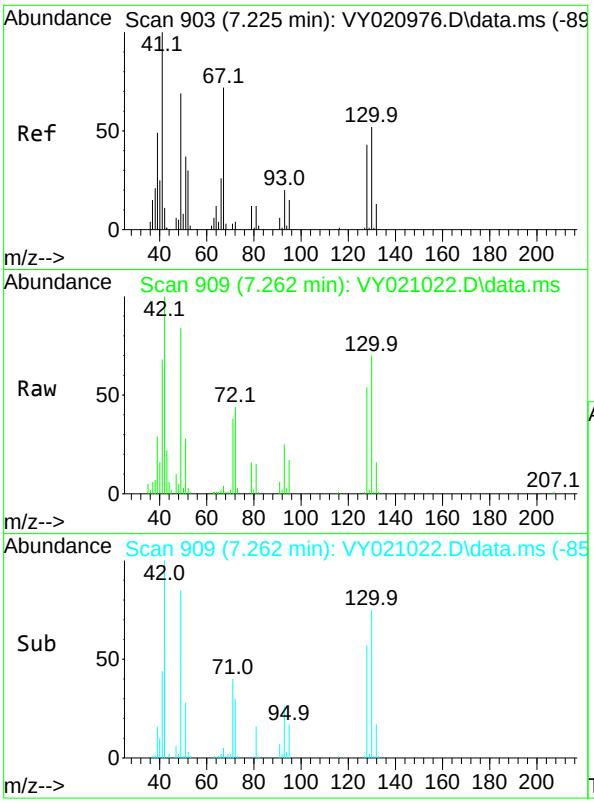


#40
Benzene
Concen: 21.027 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 78 Resp: 150967

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.2



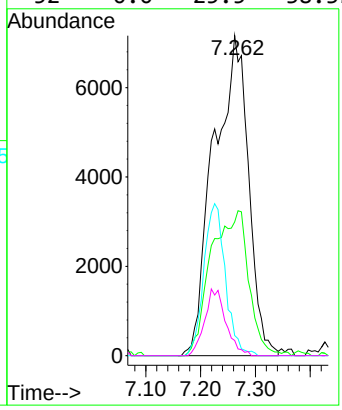


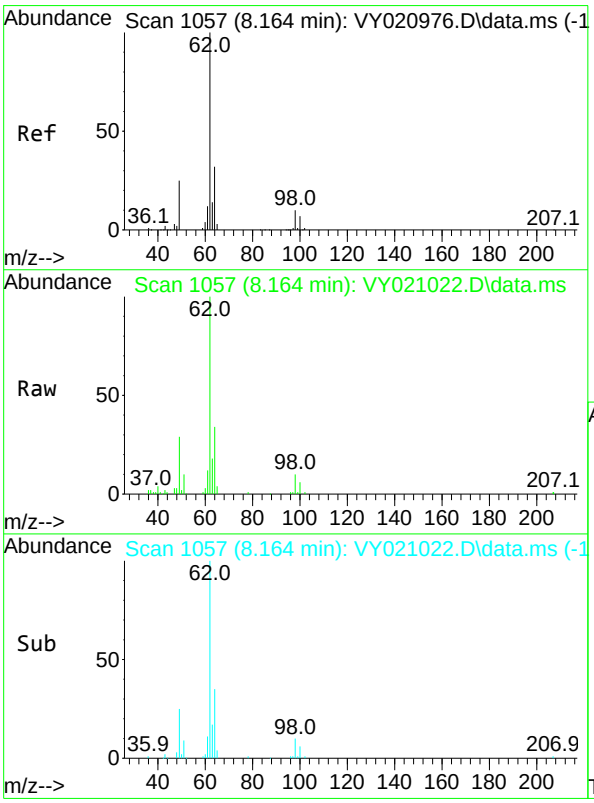
#41
Methacrylonitrile
Concen: 62.491 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 31453

Ion	Ratio	Lower	Upper
41	100		
39	49.2	41.6	62.4
67	0.0	63.8	95.6#
52	0.0	25.5	38.3#

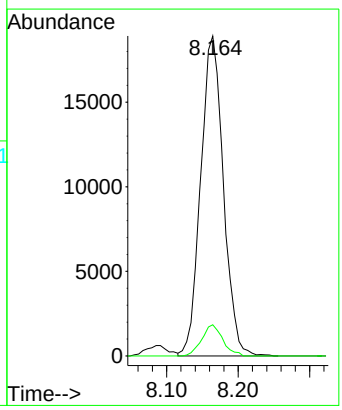


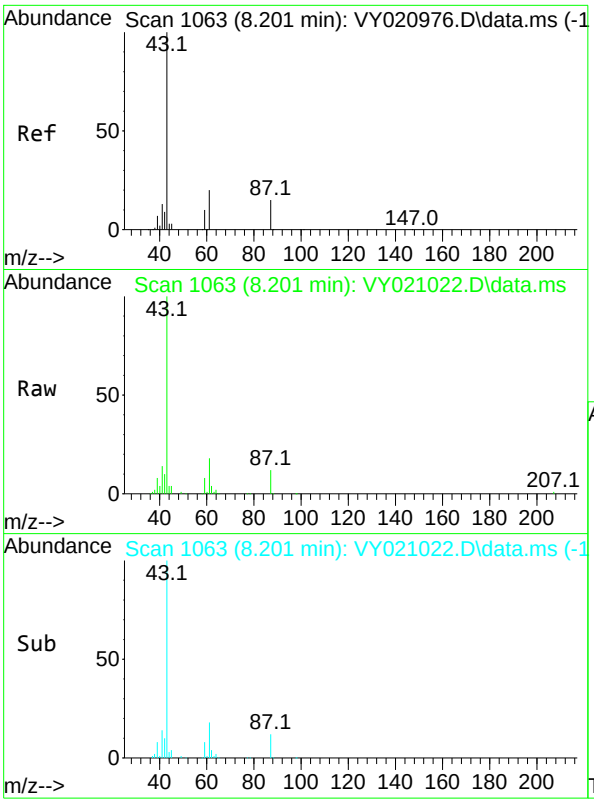


#42
1,2-Dichloroethane
Concen: 22.916 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 41726

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.4



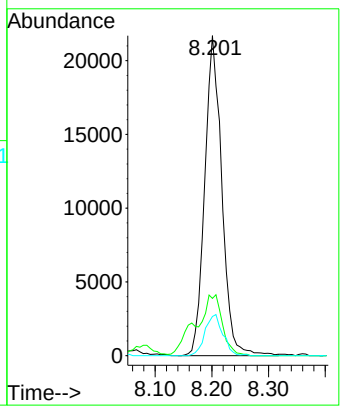


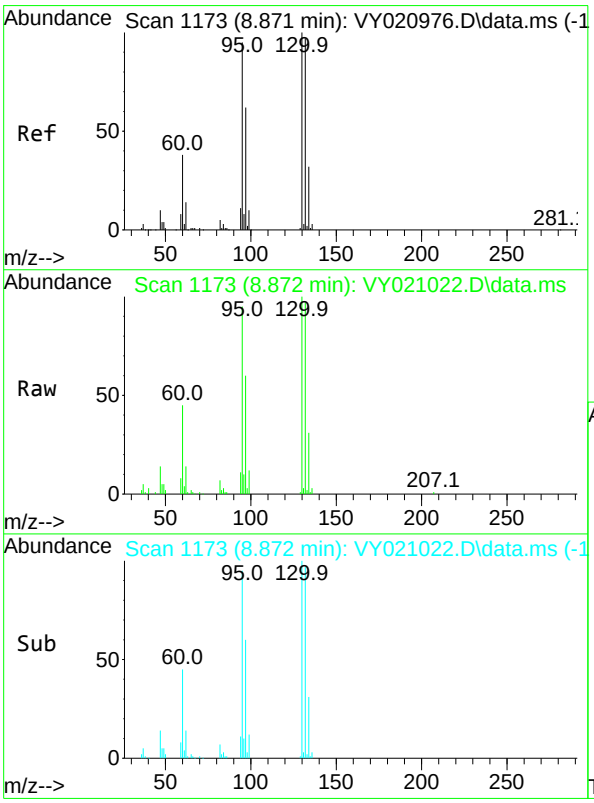
#43
Isopropyl Acetate
Concen: 25.040 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 45505

Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.6
87	13.5	12.5	18.7

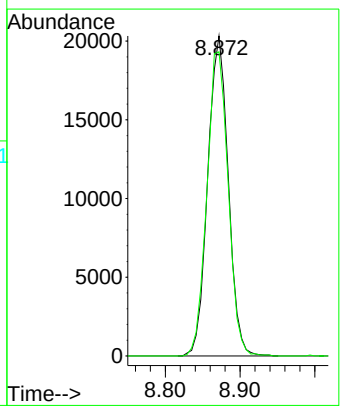


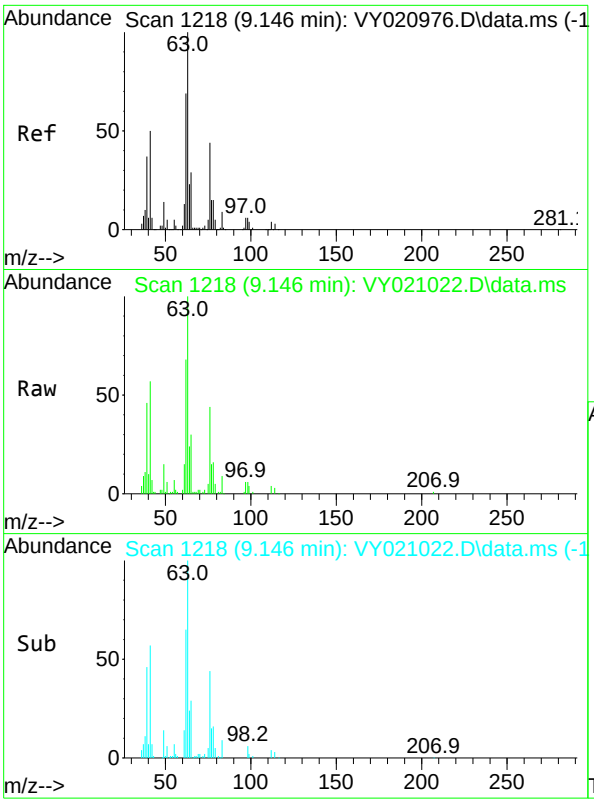


#44
Trichloroethene
Concen: 19.606 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:130 Resp: 38841

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	189.6



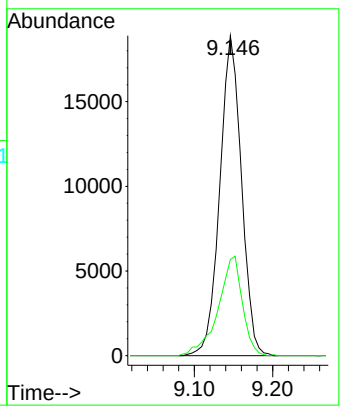


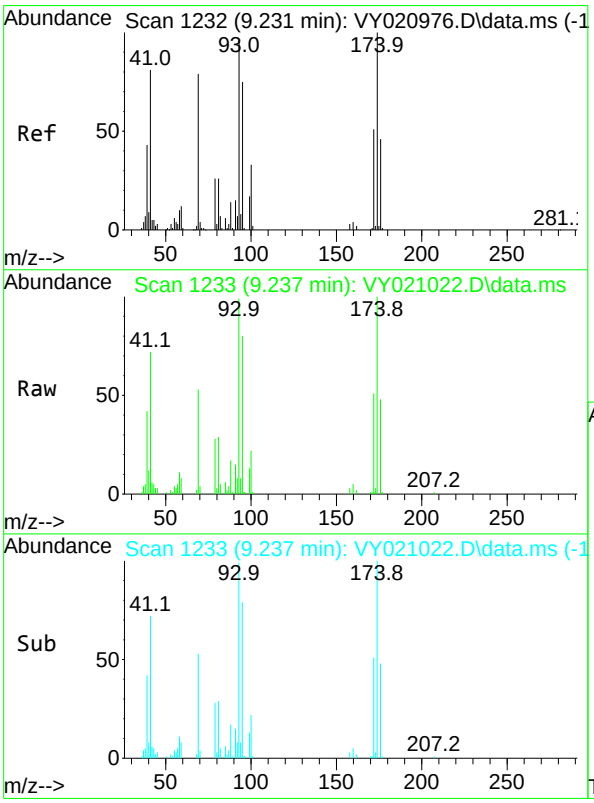
#45
1,2-Dichloropropane
Concen: 22.538 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 36268

Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.6	35.4

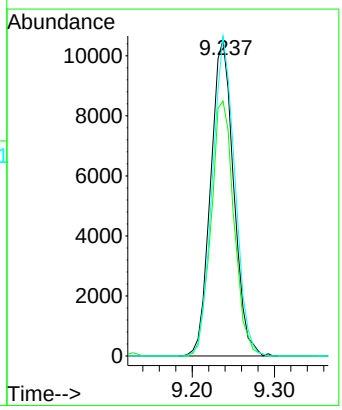


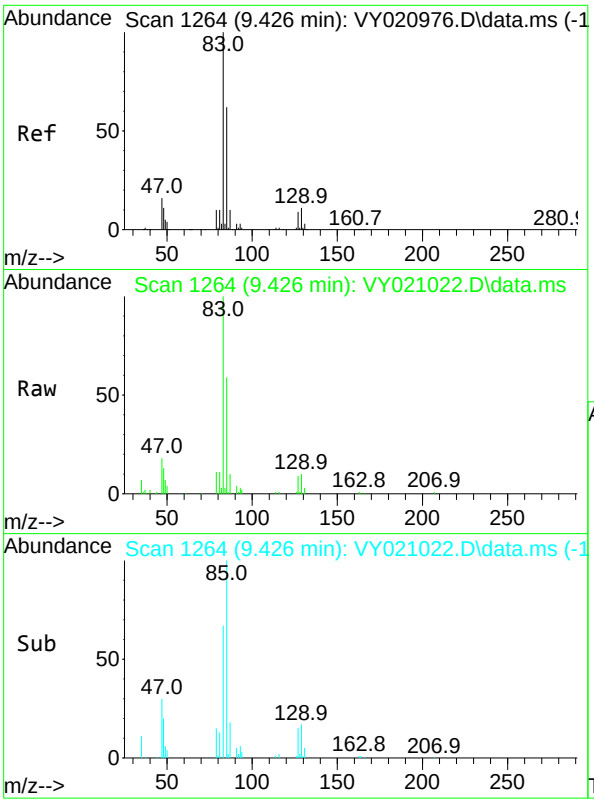


#46
Dibromomethane
Concen: 21.802 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 93 Resp: 20417

Ion	Ratio	Lower	Upper
93	100		
95	80.6	65.8	98.8
174	98.9	88.1	132.1



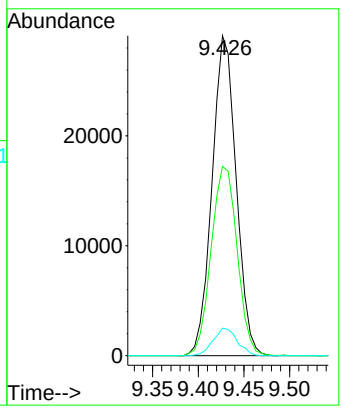


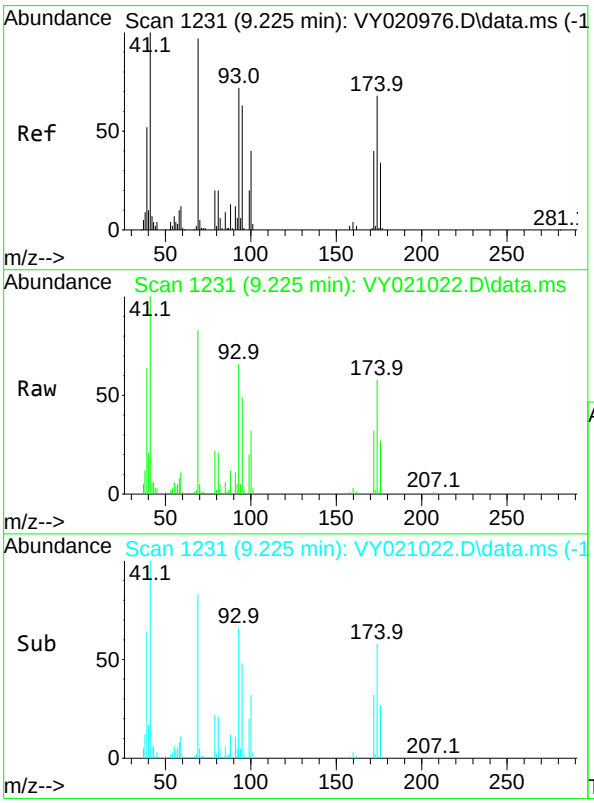
#47
Bromodichloromethane
Concen: 21.723 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 53424

Ion	Ratio	Lower	Upper
83	100		
85	59.2	49.6	74.4
127	8.6	7.1	10.7

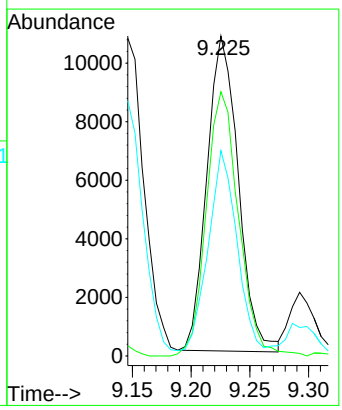


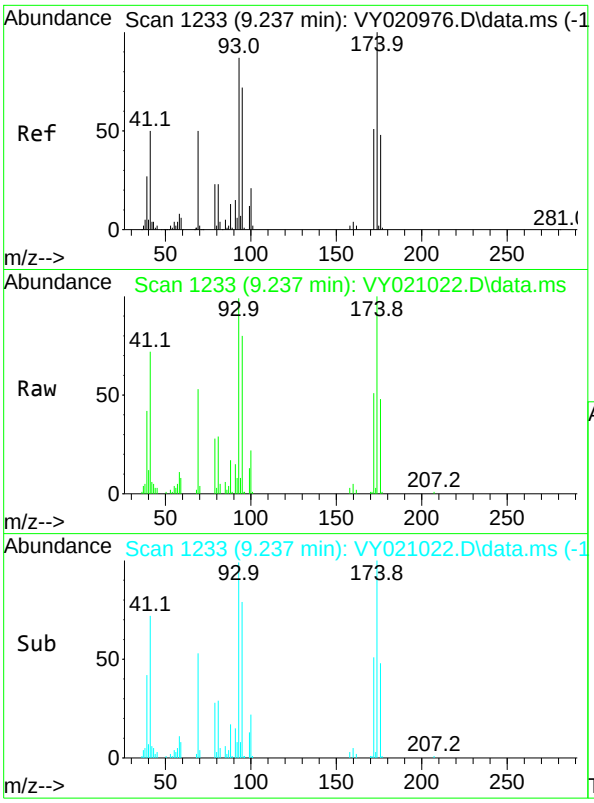


#48
Methyl methacrylate
Concen: 23.066 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 19957

Ion	Ratio	Lower	Upper
41	100		
69	86.6	75.6	113.4
39	58.1	41.3	61.9



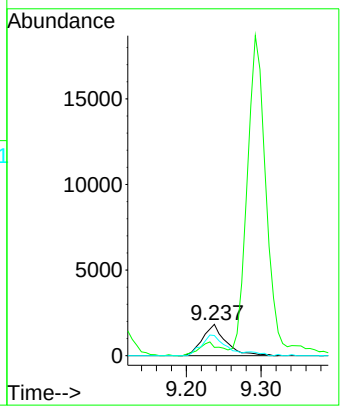


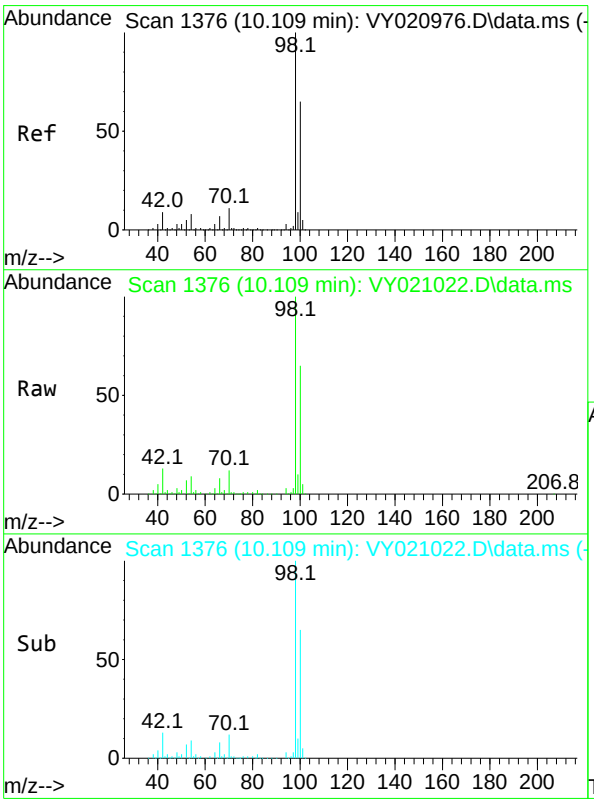
#49
1,4-Dioxane
Concen: 395.839 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 3939

Ion	Ratio	Lower	Upper
88	100		
43	40.0	24.2	36.4#
58	66.2	57.3	85.9

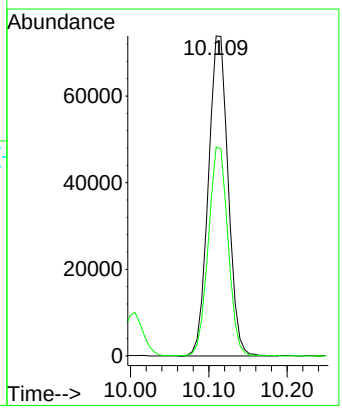


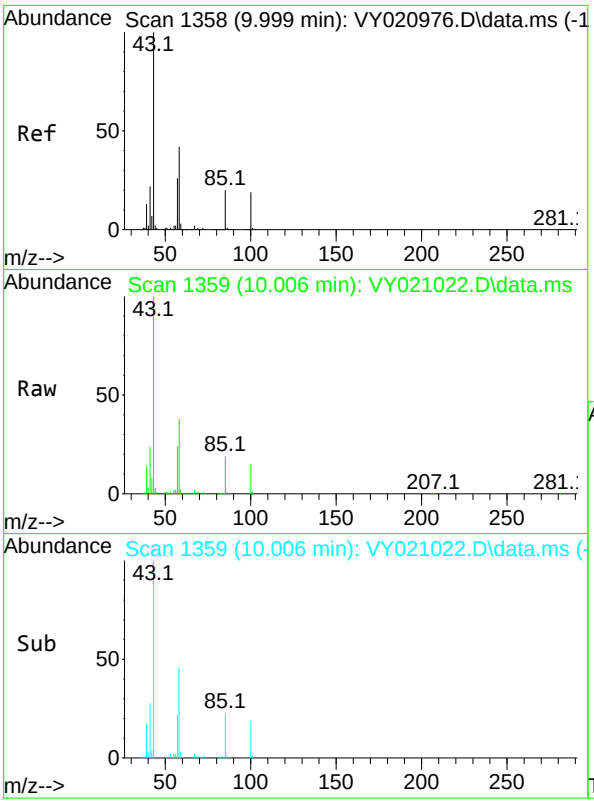


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 98 Resp: 129662

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0



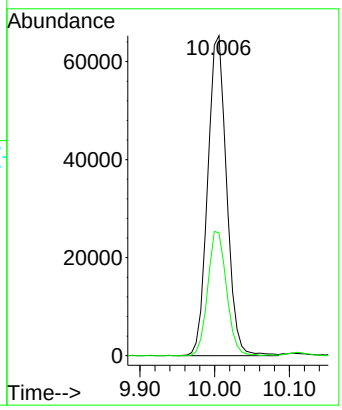


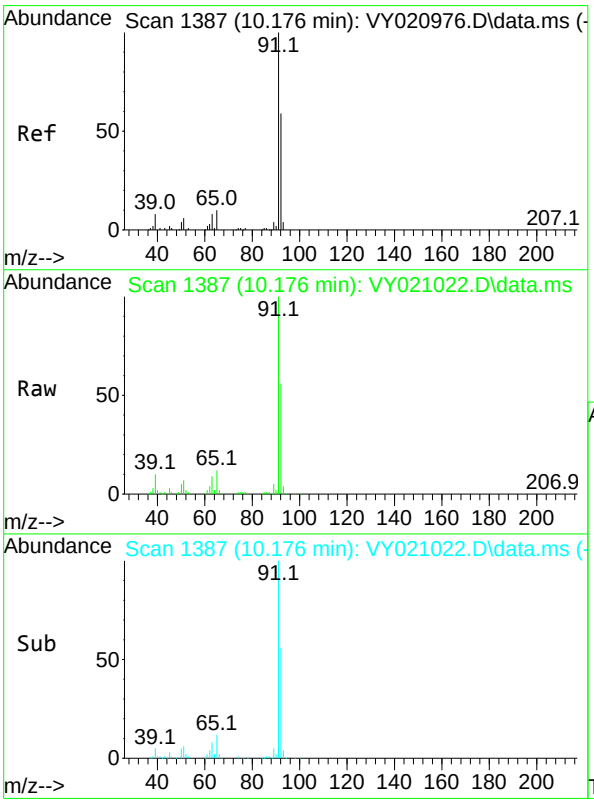
#51
4-Methyl-2-Pentanone
Concen: 122.983 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 114844

Ion	Ratio	Lower	Upper
43	100		
58	38.6	33.8	50.8

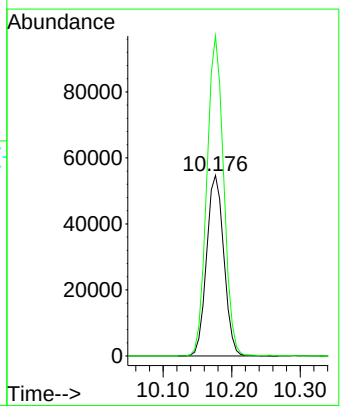


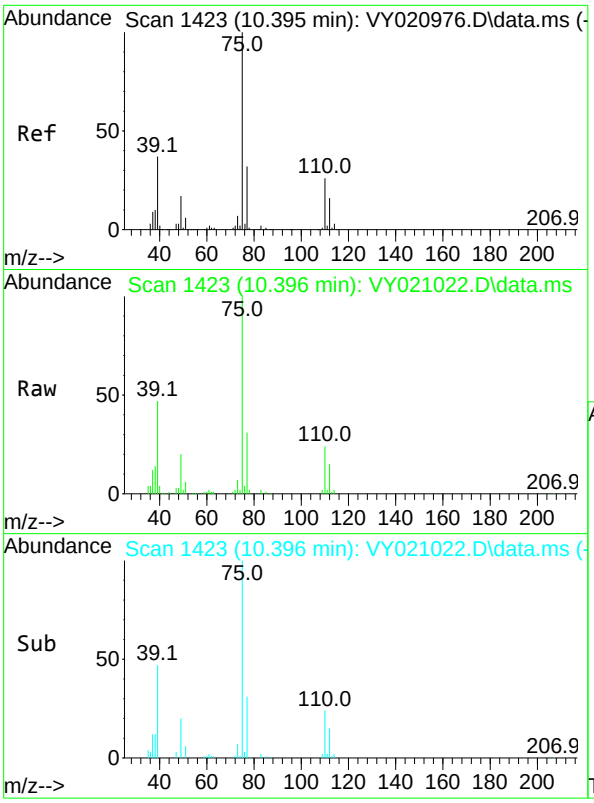


#52
Toluene
Concen: 20.517 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 92 Resp: 95614

Ion	Ratio	Lower	Upper
92	100		
91	172.9	135.8	203.8



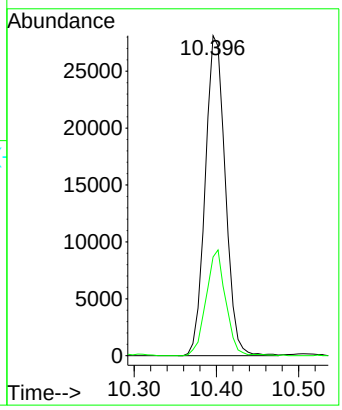


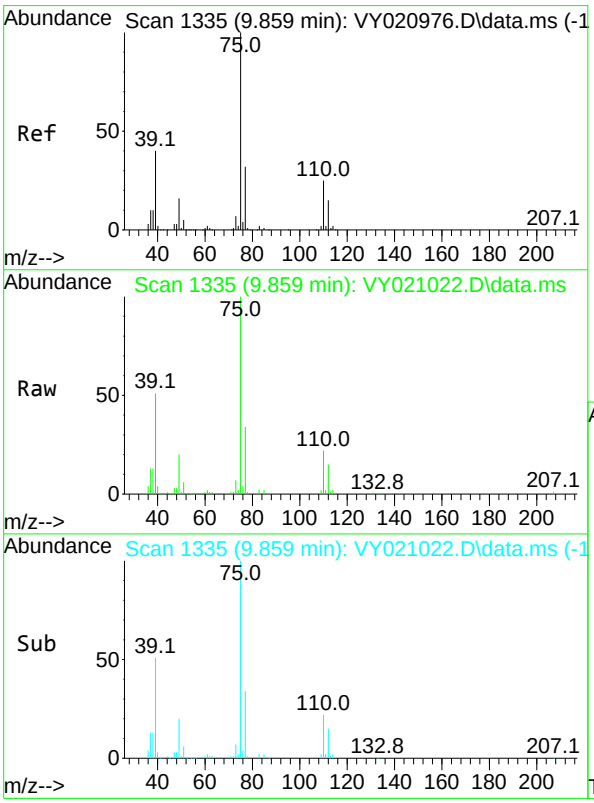
#53
t-1,3-Dichloropropene
Concen: 21.429 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 47690

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.9	38.9

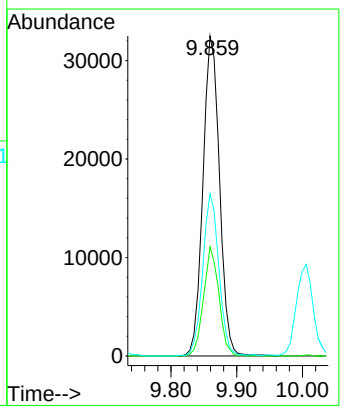


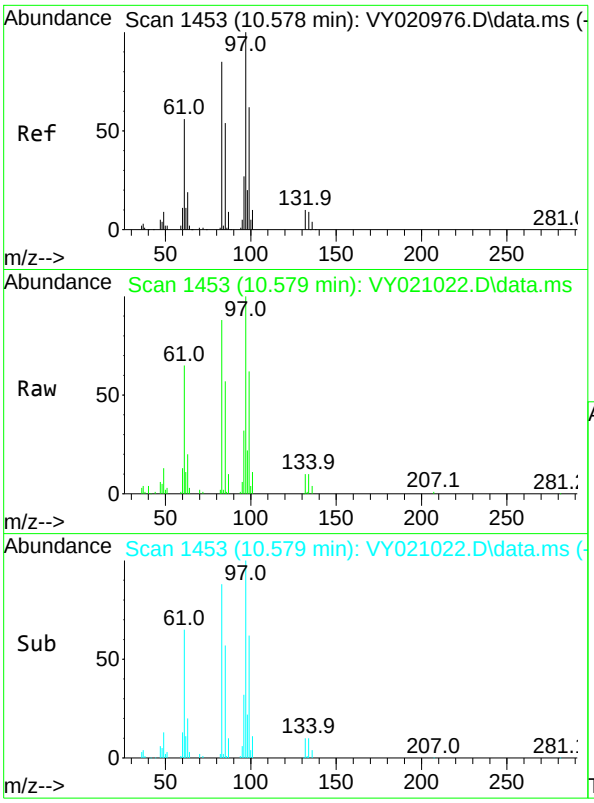


#54
cis-1,3-Dichloropropene
Concen: 21.469 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 57105

Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.4	38.0
39	50.6	32.2	48.2#



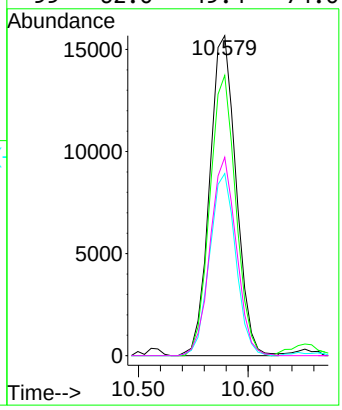


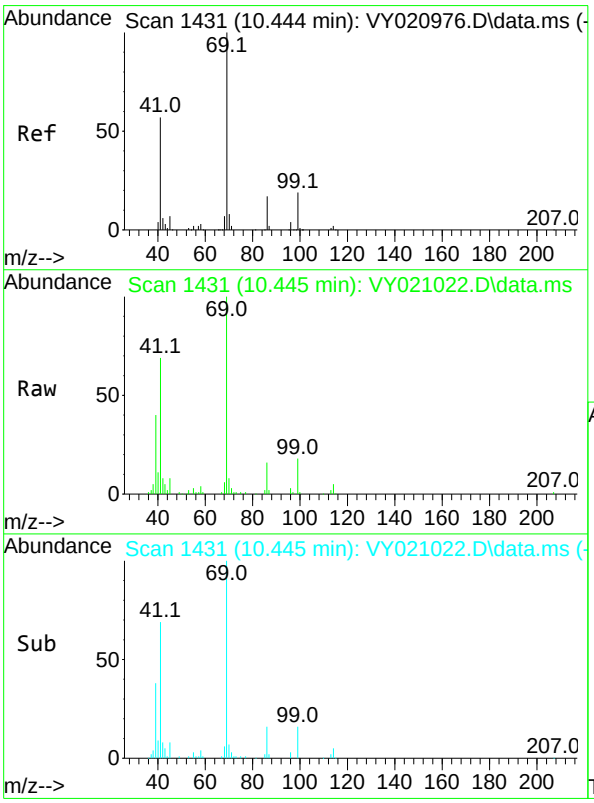
#55
1,1,2-Trichloroethane
Concen: 21.129 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 26314

Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	56.9	43.4	65.2
99	62.0	49.4	74.0

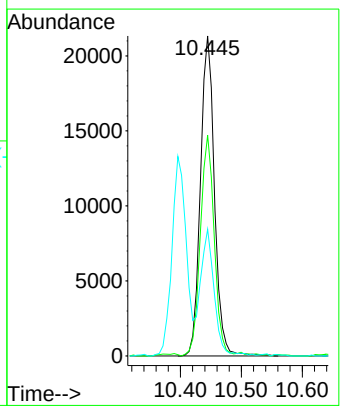


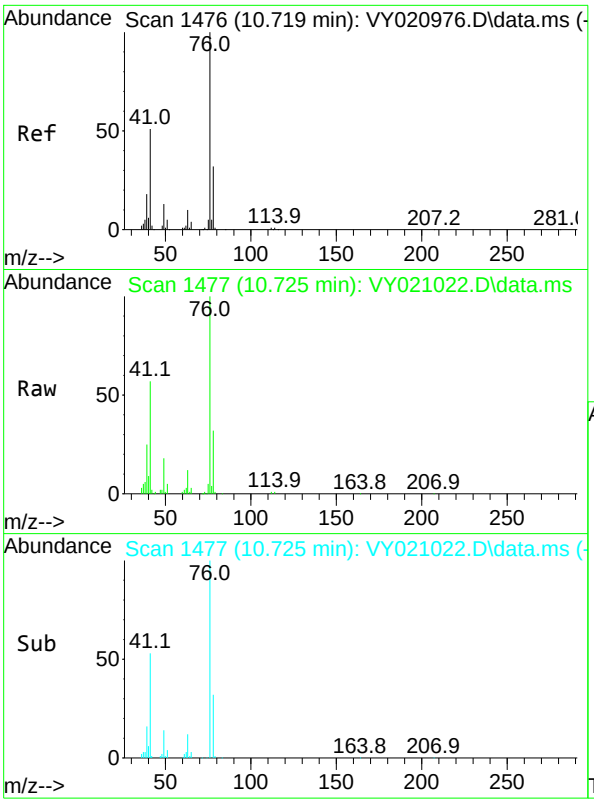


#56
Ethyl methacrylate
Concen: 20.963 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 69 Resp: 34126

Ion	Ratio	Lower	Upper
69	100		
41	68.3	46.3	69.5
39	38.8	24.5	36.7#



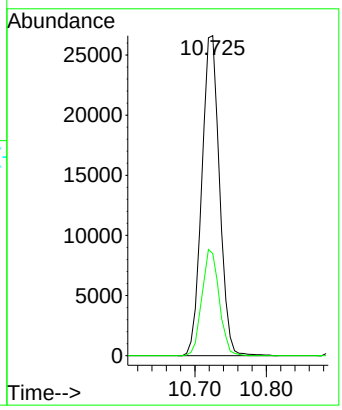


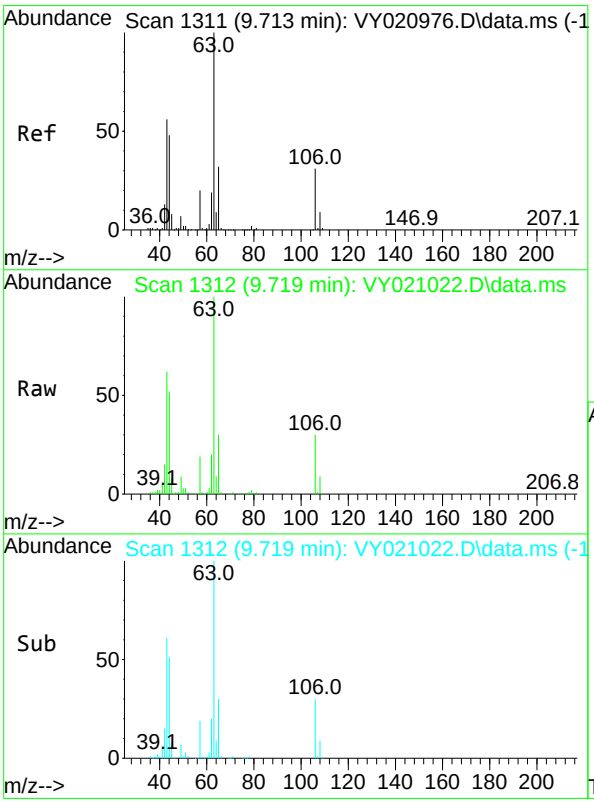
#57
1,3-Dichloropropane
Concen: 21.690 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 45784

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

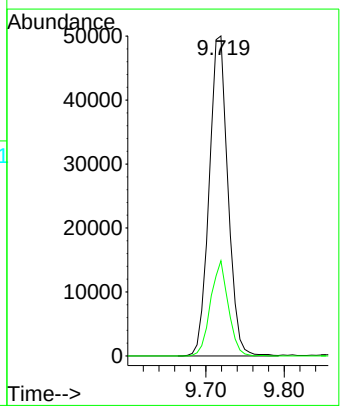


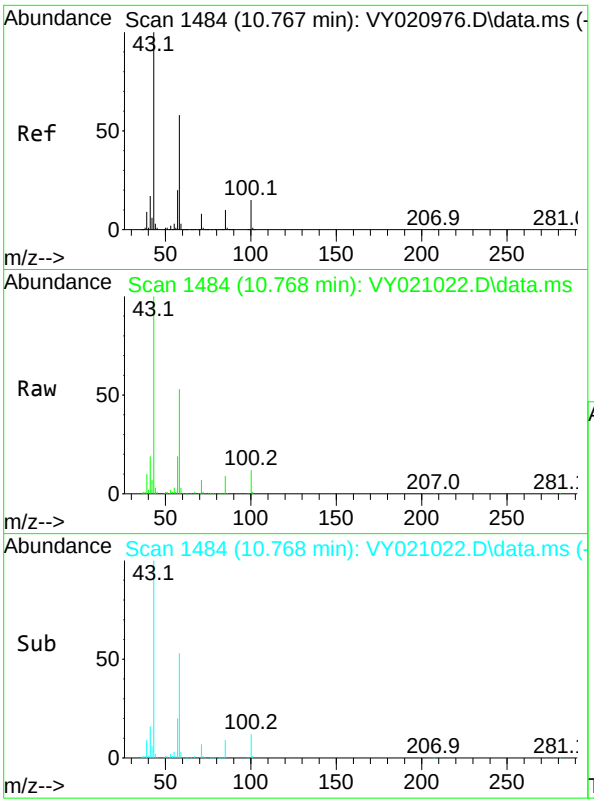


#58
2-Chloroethyl Vinyl ether
Concen: 120.208 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 83057

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1



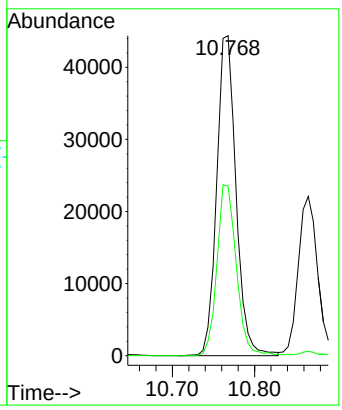


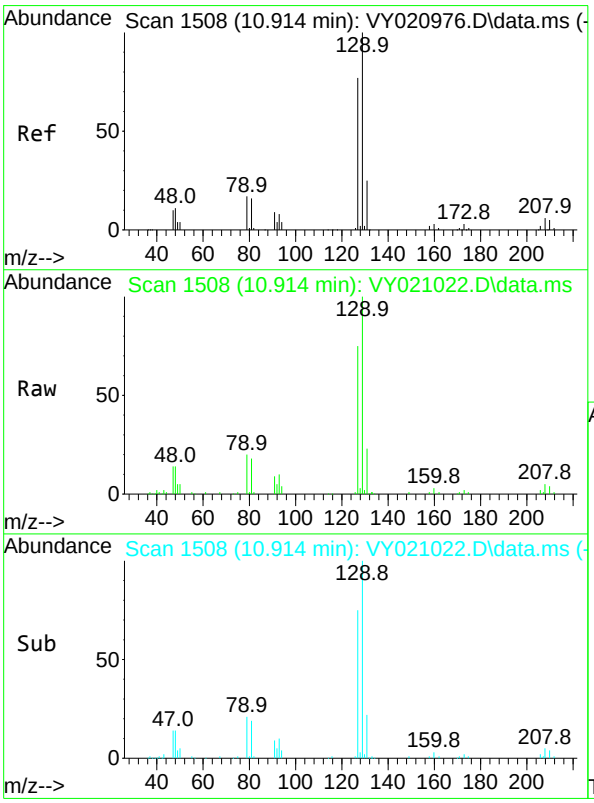
#59
2-Hexanone
Concen: 119.535 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 72555

Ion	Ratio	Lower	Upper
43	100		
58	53.6	29.8	89.3

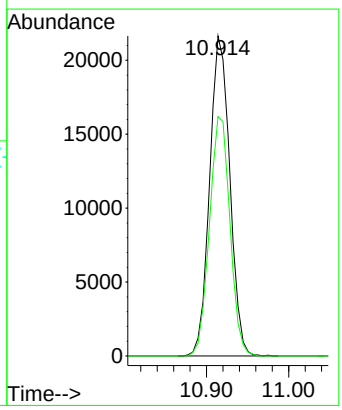


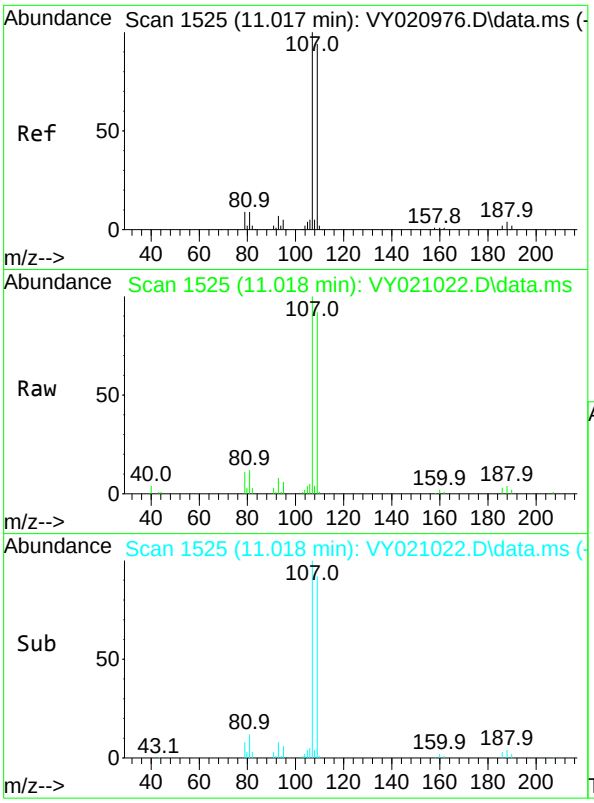


#60
Dibromochloromethane
Concen: 20.754 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:129 Resp: 36853

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.5	115.3



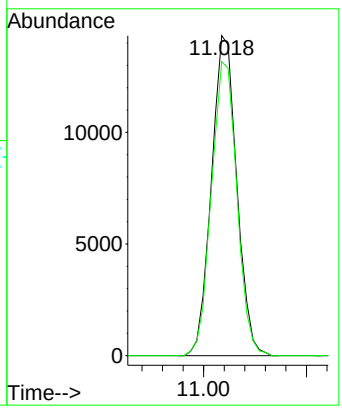


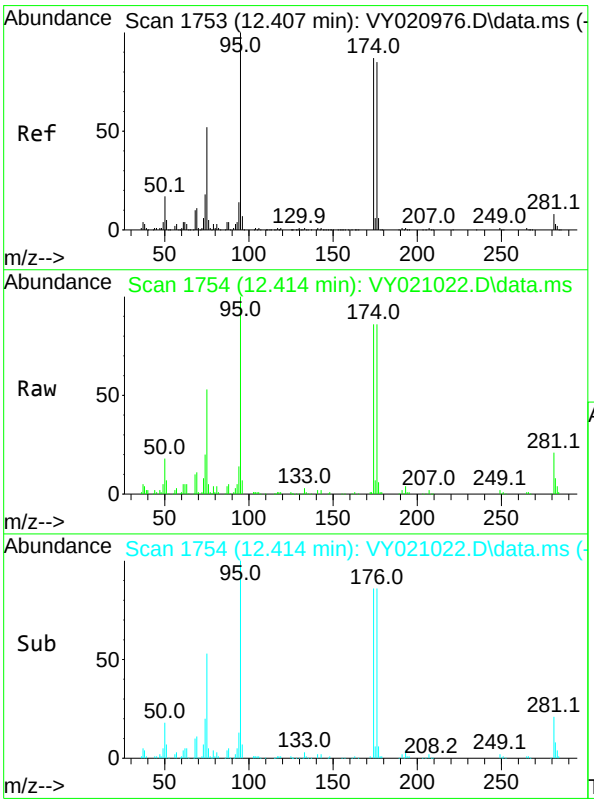
#61
1,2-Dibromoethane
Concen: 20.600 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 24505

Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.6	114.8

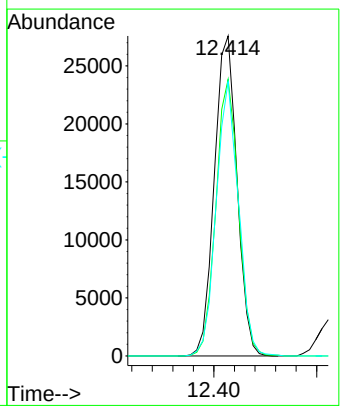


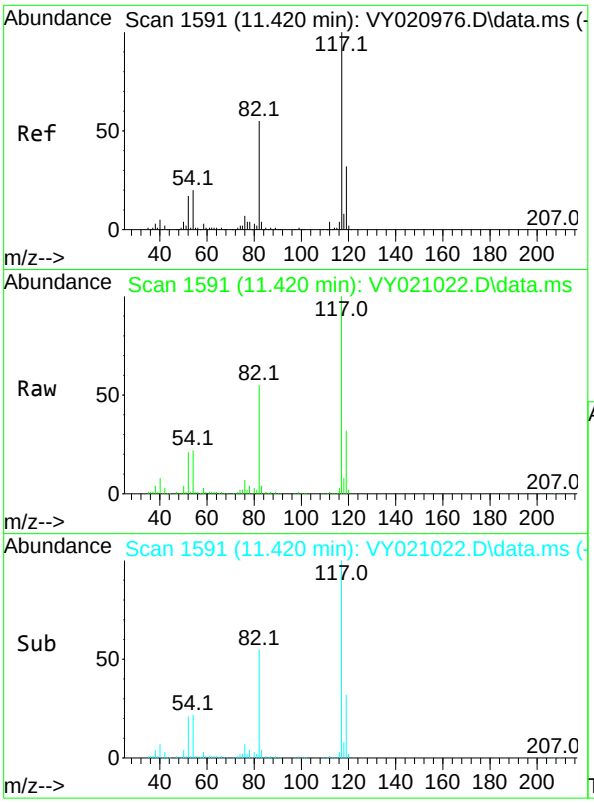


#62
4-Bromofluorobenzene
Concen: 18.831 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 95 Resp: 42182

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	181.2
176	84.1	0.0	175.2



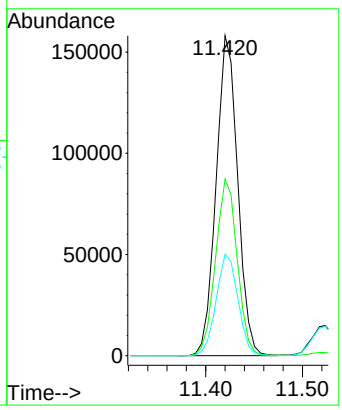


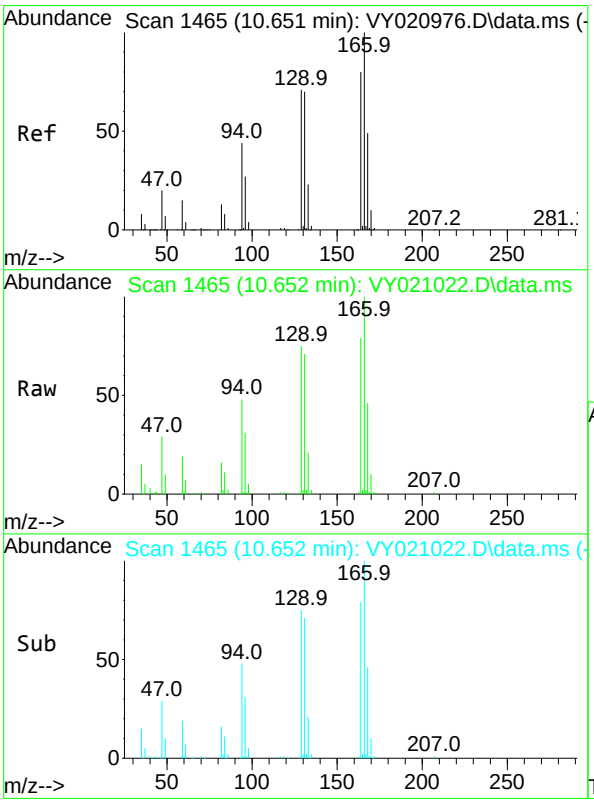
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 244590

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	31.7	25.9	38.9

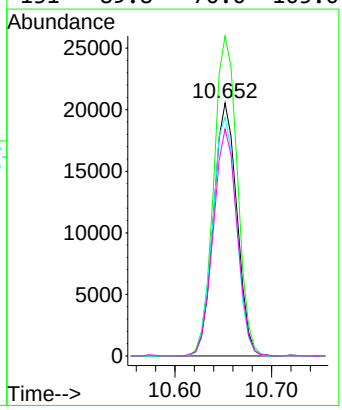


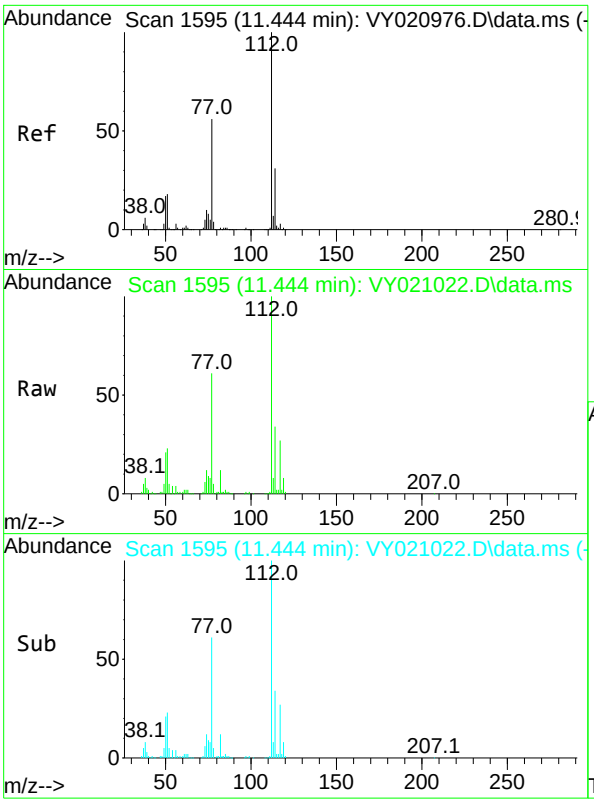


#64
Tetrachloroethene
Concen: 18.655 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:164 Resp: 34418

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.4	150.6
129	94.4	70.8	106.2
131	89.8	70.0	105.0



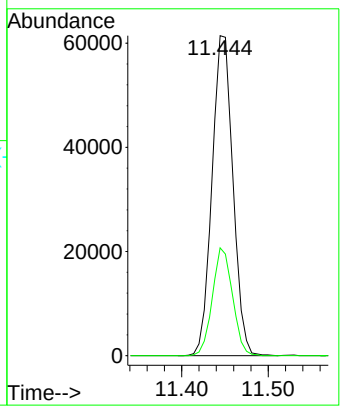


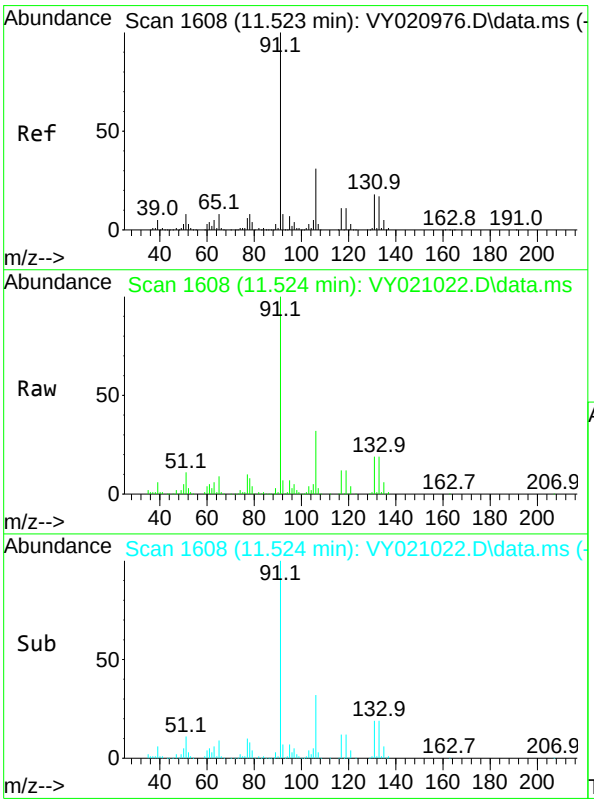
#65
Chlorobenzene
Concen: 20.015 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 103141

Ion	Ratio	Lower	Upper
112	100		
114	33.7	24.6	37.0

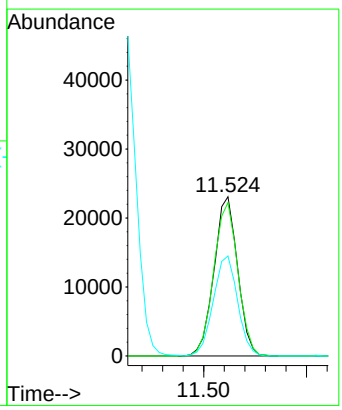


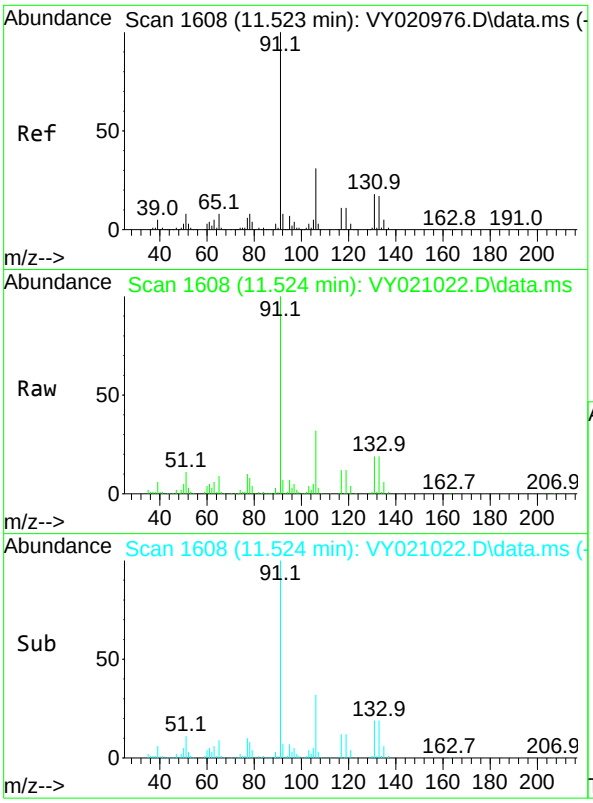


#66
1,1,1,2-Tetrachloroethane
Concen: 20.130 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:131 Resp: 36817

Ion	Ratio	Lower	Upper
131	100		
133	98.5	48.7	146.1
119	64.4	31.4	94.3



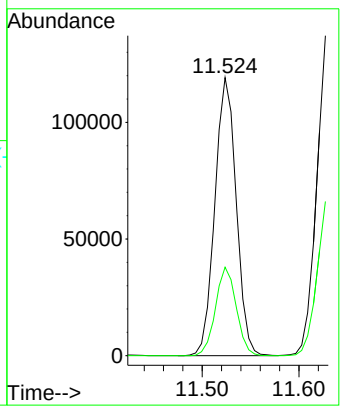


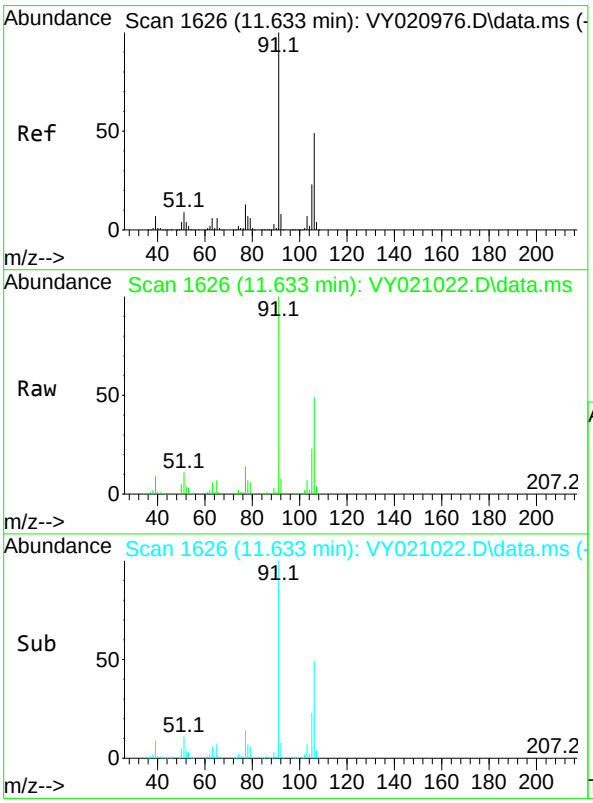
#67
Ethyl Benzene
Concen: 20.446 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 182430

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.9	37.3

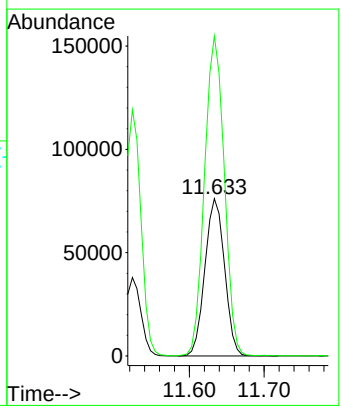


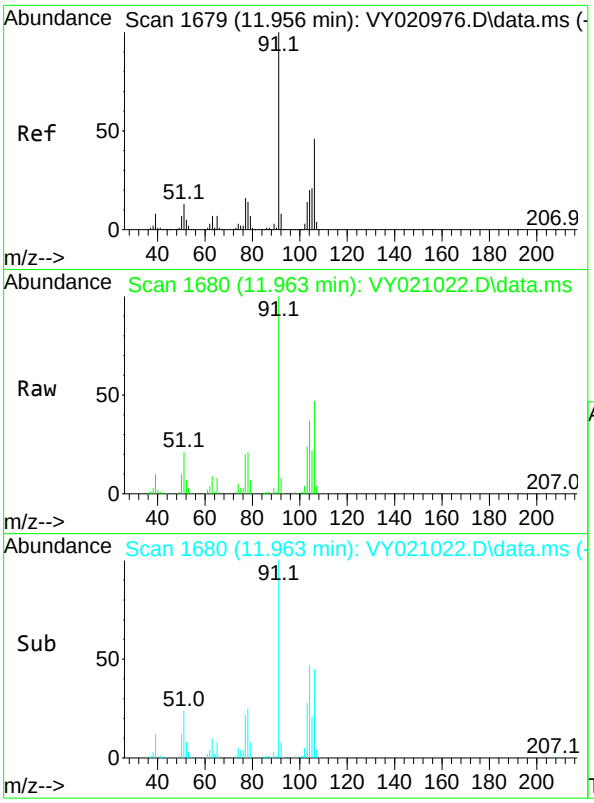


#68
m/p-Xylenes
Concen: 40.497 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:106 Resp: 138826

Ion	Ratio	Lower	Upper
106	100		
91	204.4	160.0	240.0



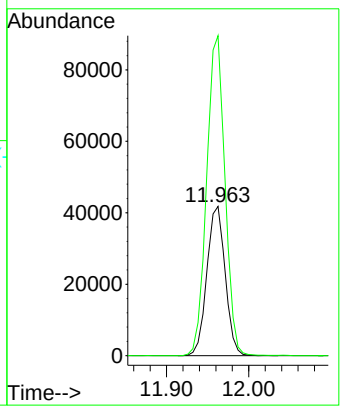


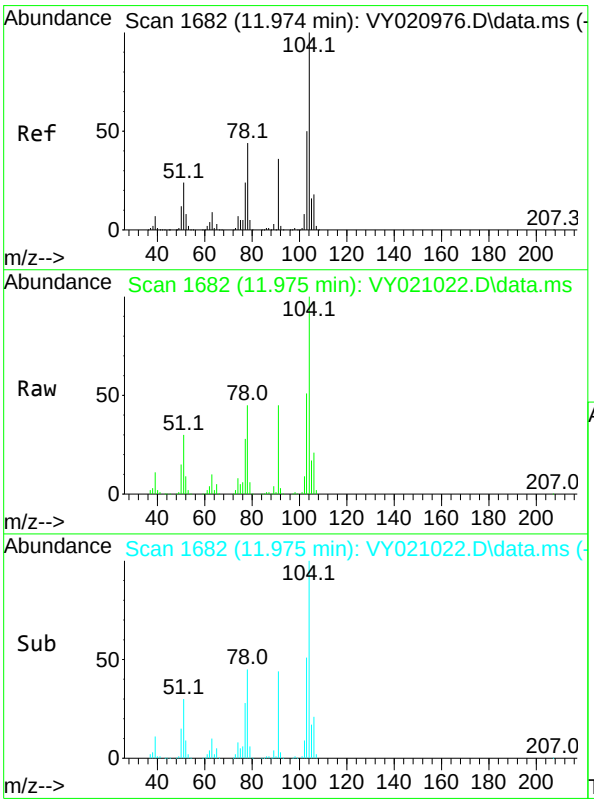
#69
o-Xylene
Concen: 20.276 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 64616

Ion	Ratio	Lower	Upper
106	100		
91	214.7	105.8	317.6

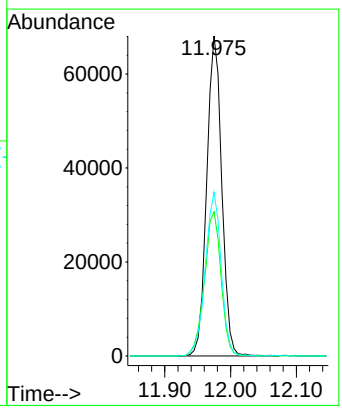


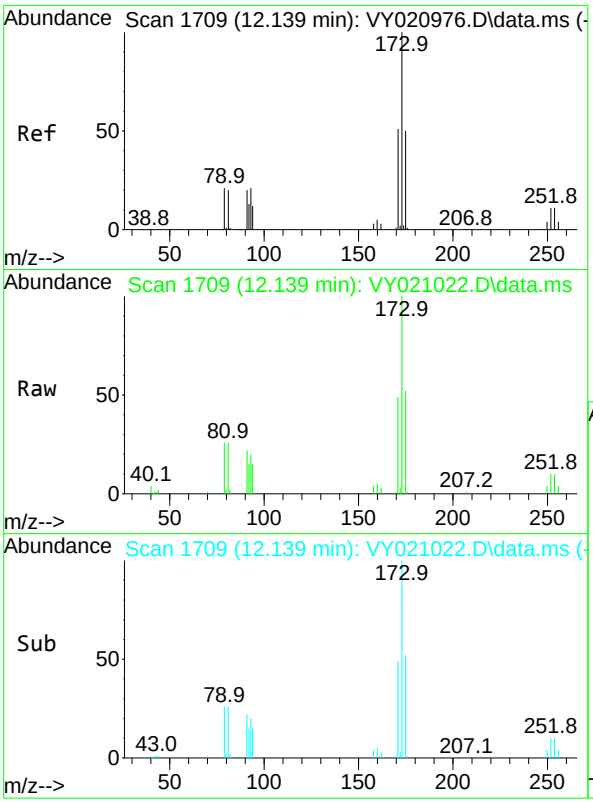


#70
Styrene
Concen: 20.439 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:104 Resp: 108143

Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.0	58.4
103	54.2	43.7	65.5



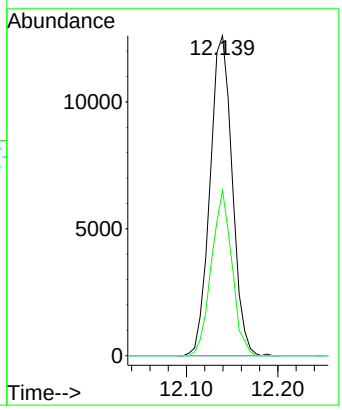


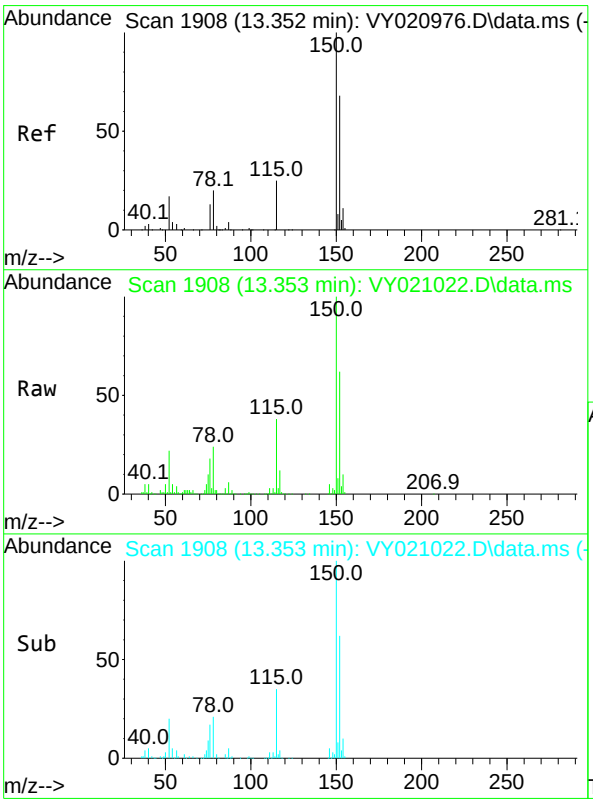
#71
Bromoform
Concen: 19.718 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 21254

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0

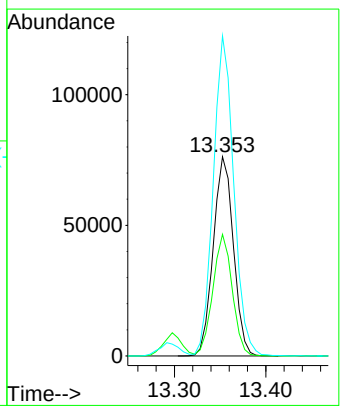


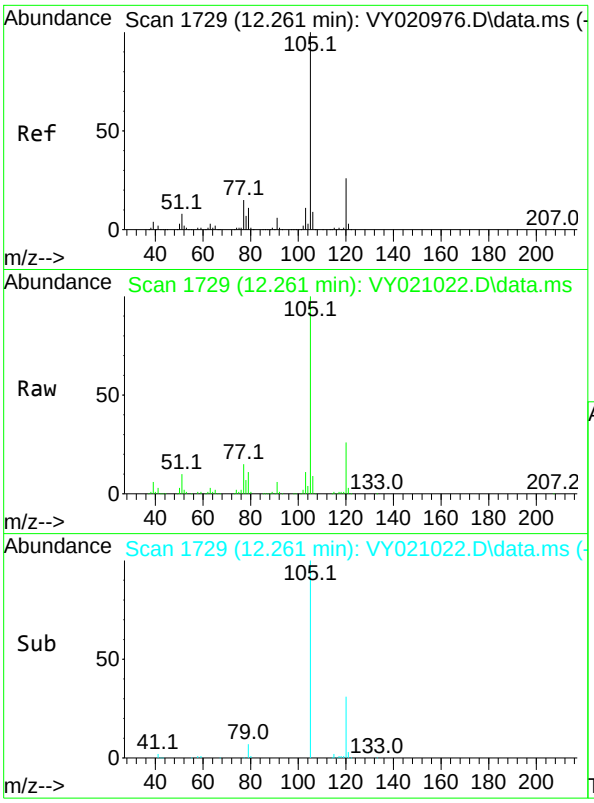


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:152 Resp: 116948

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.4	85.2
150	162.9	0.0	342.8



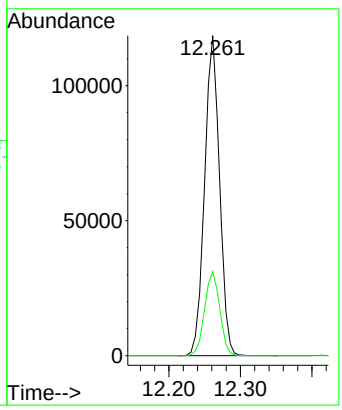


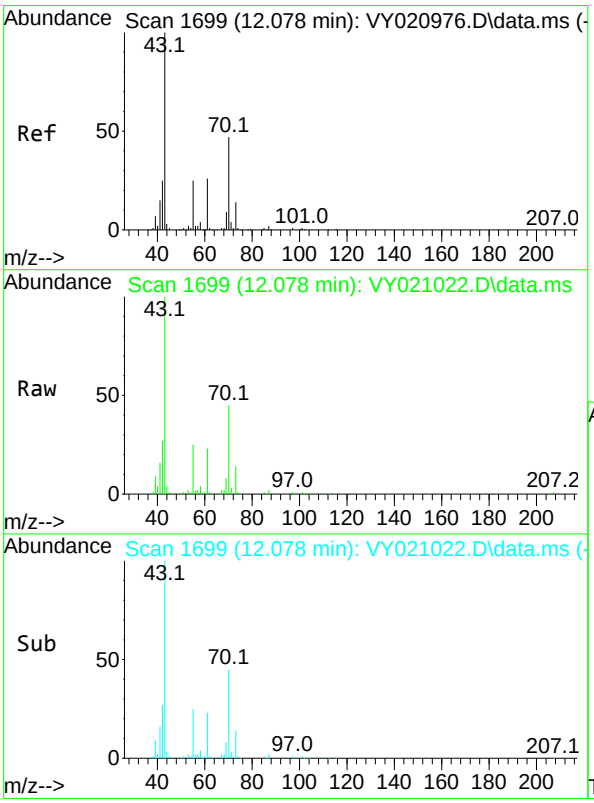
#73
Isopropylbenzene
Concen: 20.921 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 171836

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

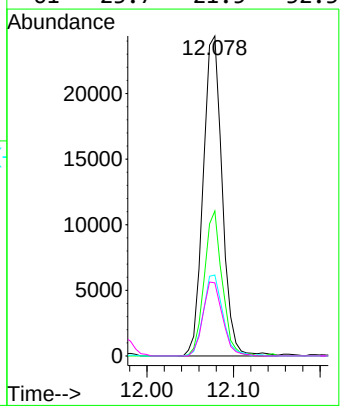


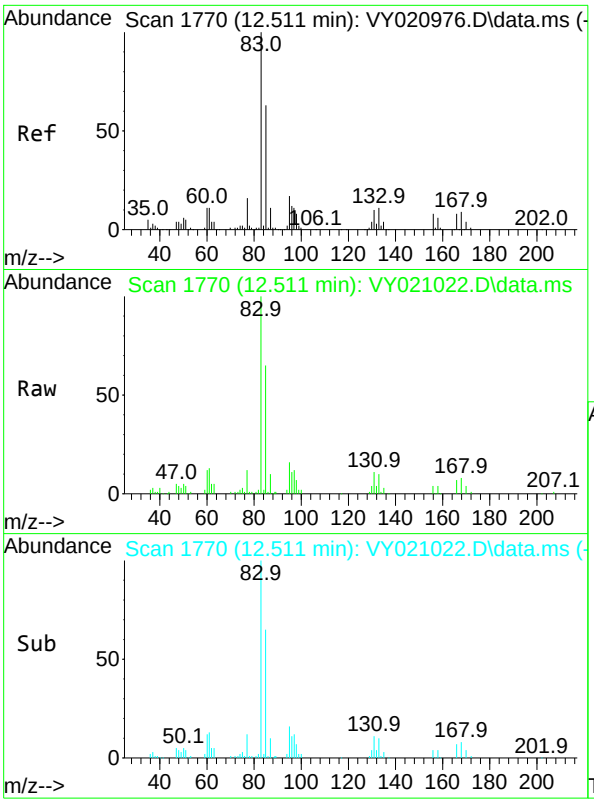


#74
N-amyl acetate
Concen: 24.896 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 37235

Ion	Ratio	Lower	Upper
43	100		
70	42.5	39.3	58.9
55	26.1	22.3	33.5
61	23.7	21.5	32.3



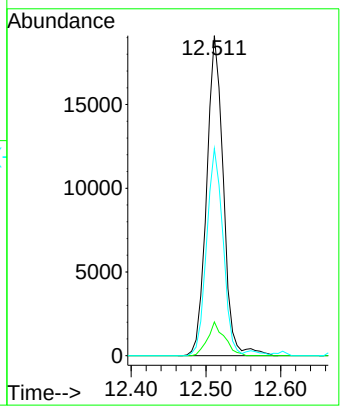


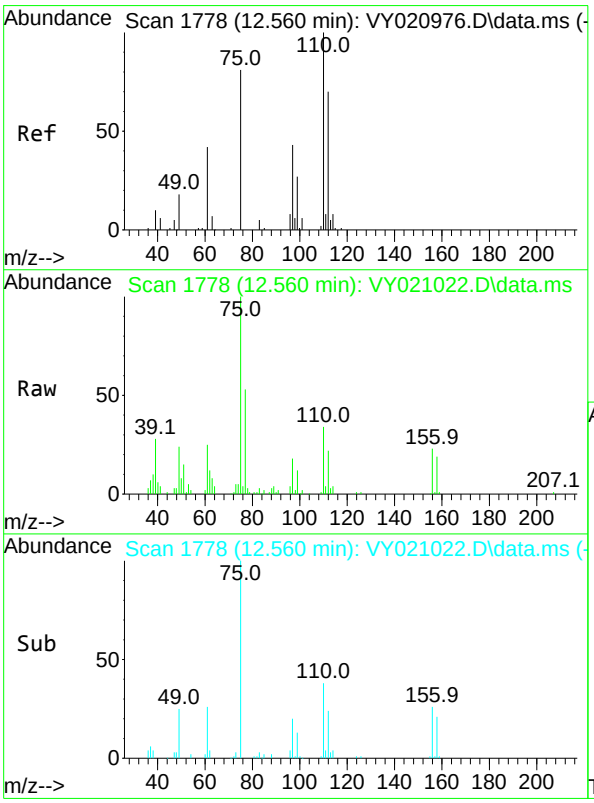
#75
1,1,2,2-Tetrachloroethane
Concen: 22.410 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 29712

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.1
85	63.4	31.9	95.9

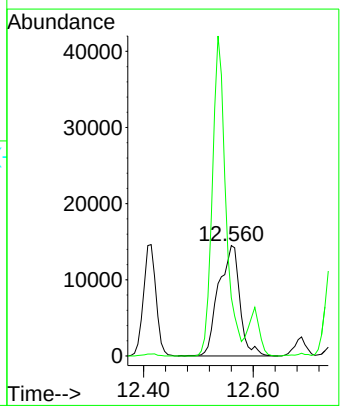


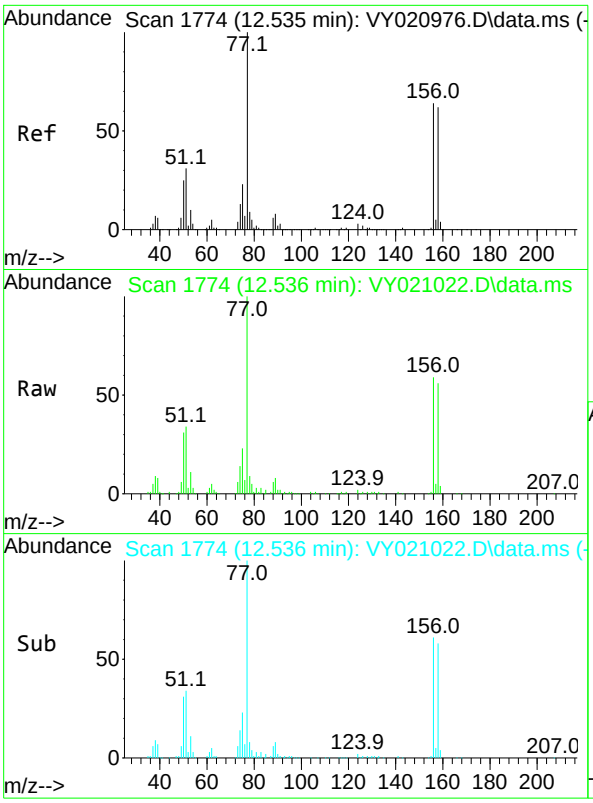


#76
1,2,3-Trichloropropane
Concen: 42.065 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 38943

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



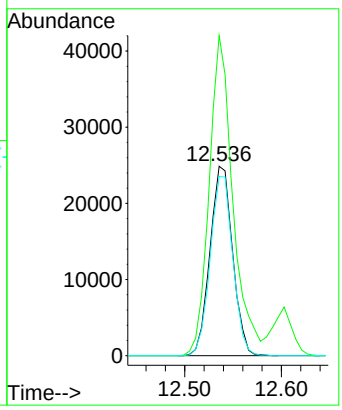


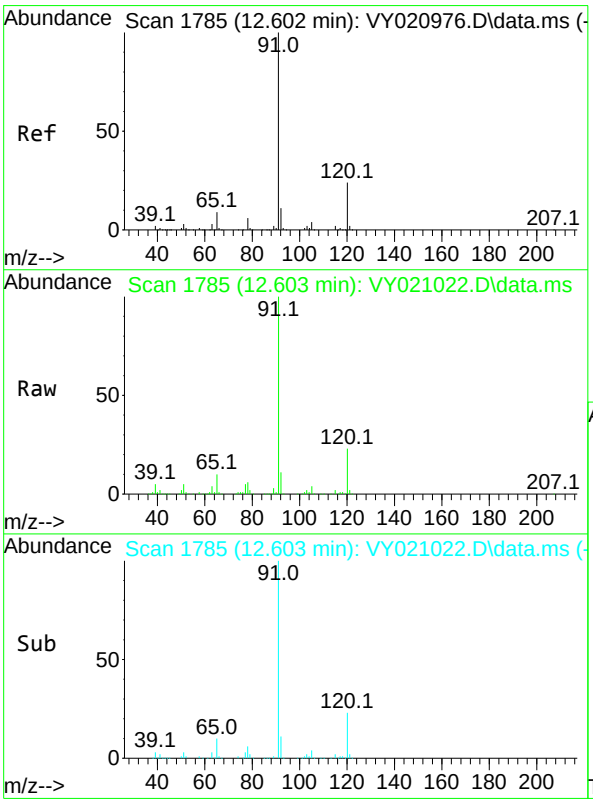
#77
Bromobenzene
Concen: 20.793 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 40491

Ion	Ratio	Lower	Upper
156	100		
77	176.3	83.3	249.9
158	94.6	48.3	144.9

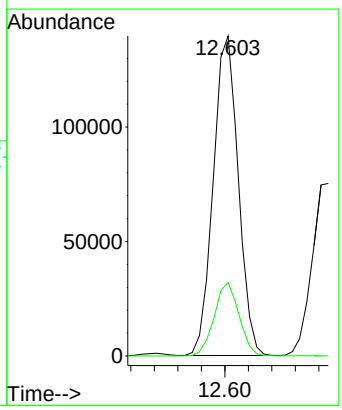


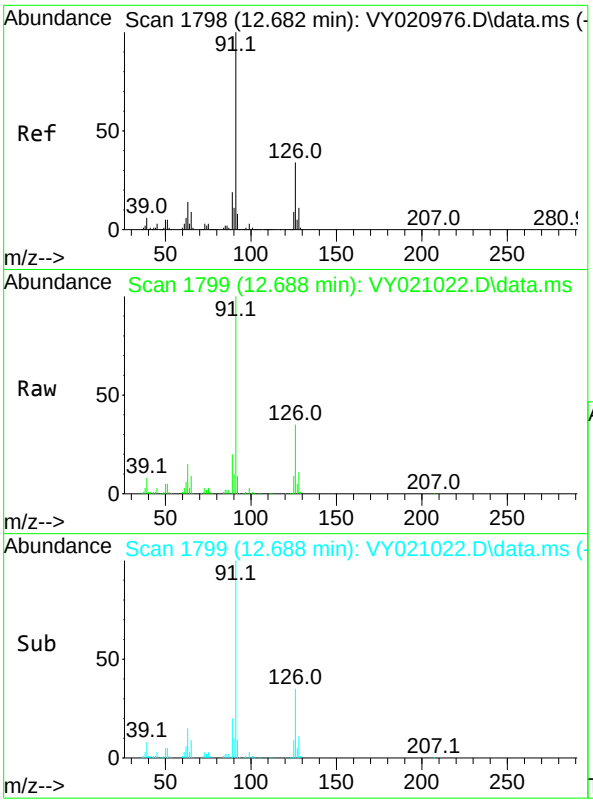


#78
n-propylbenzene
Concen: 21.429 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 206279

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.4



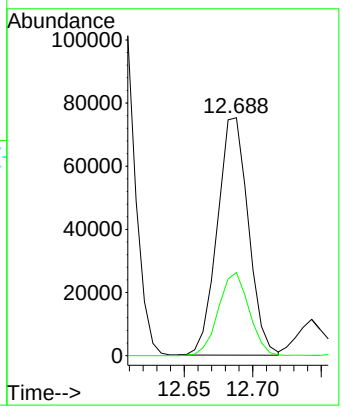


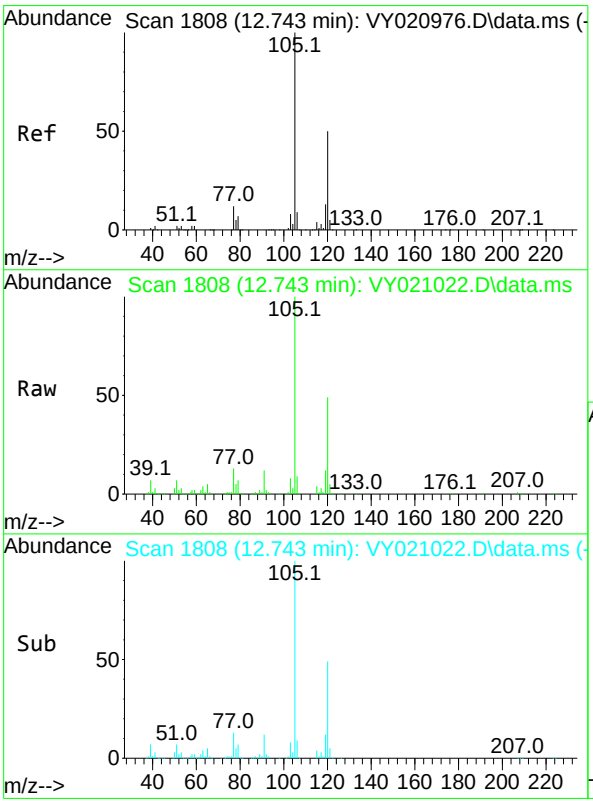
#79
2-Chlorotoluene
Concen: 21.638 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 118673

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.9

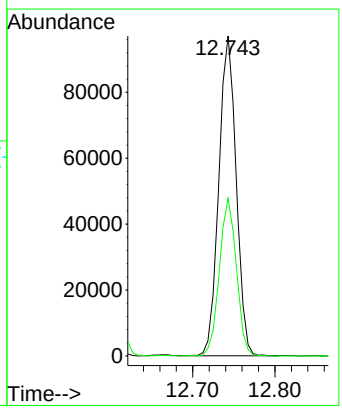


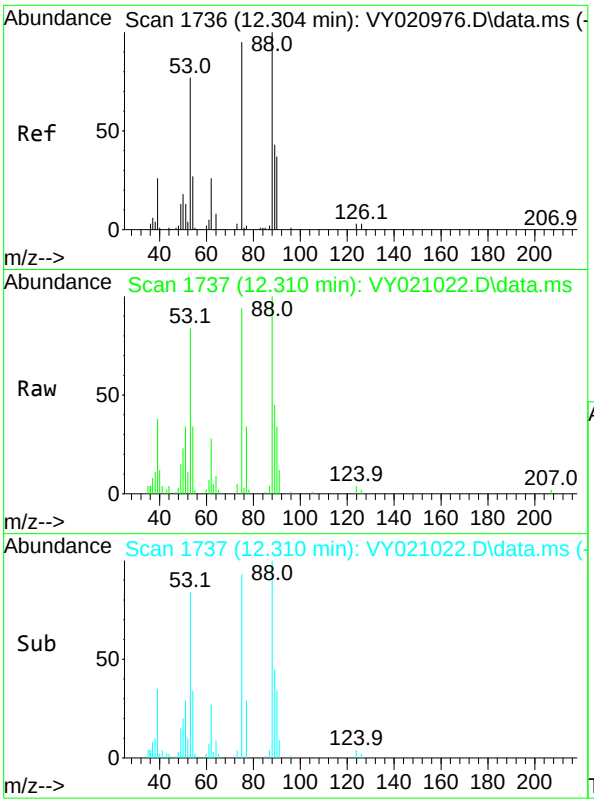


#80
1,3,5-Trimethylbenzene
Concen: 21.150 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 142319

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9



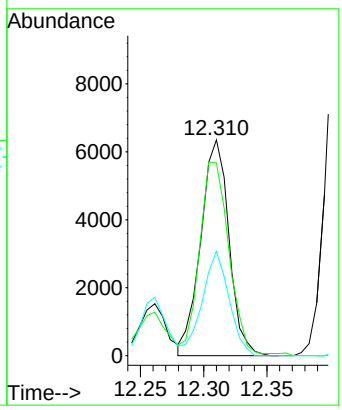


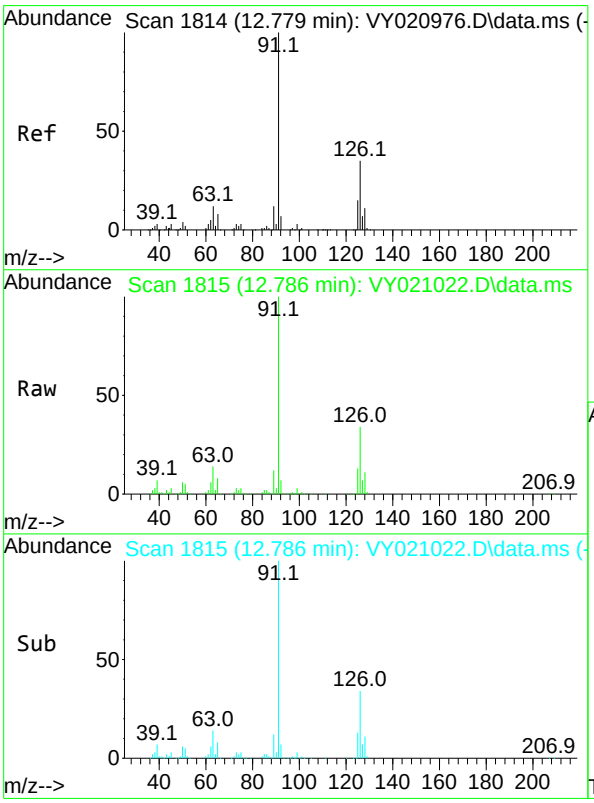
#81
trans-1,4-Dichloro-2-butene
Concen: 22.135 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 9872

Ion	Ratio	Lower	Upper
75	100		
53	94.1	68.6	103.0
89	46.0	38.1	57.1

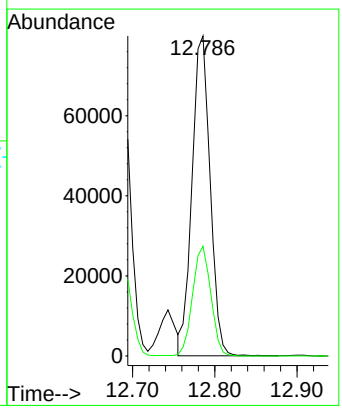


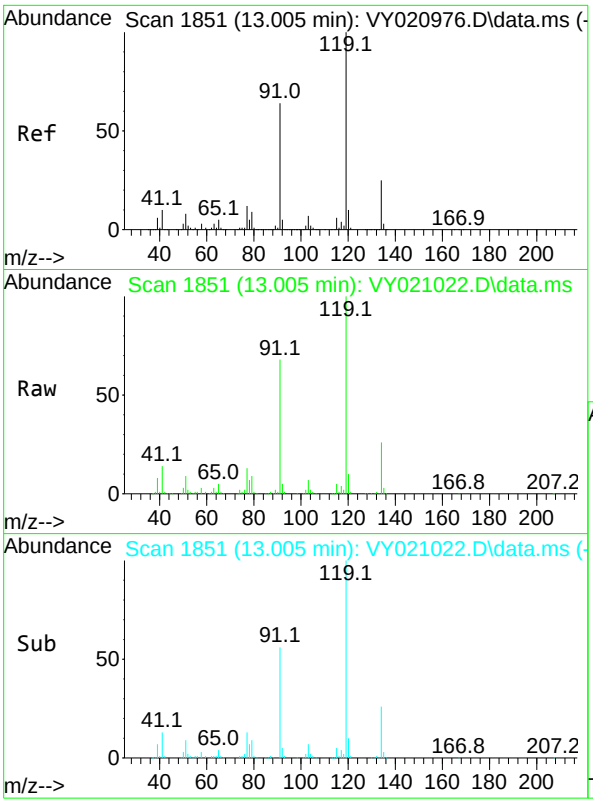


#82
4-Chlorotoluene
Concen: 21.712 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 121872

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0



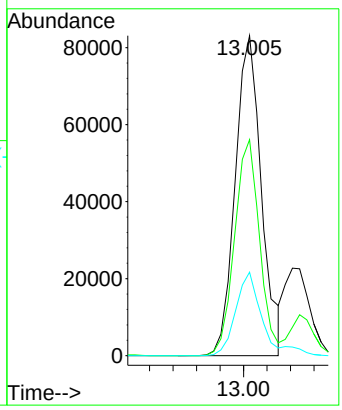


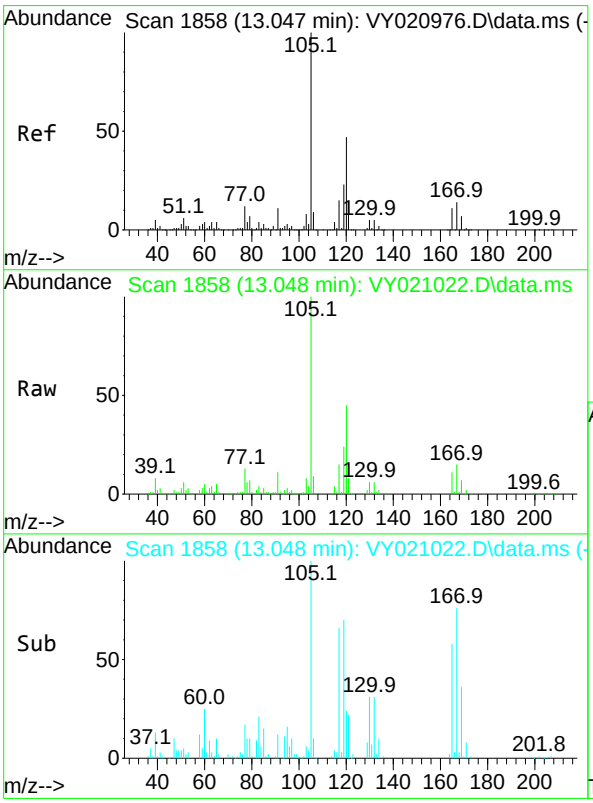
#83
tert-Butylbenzene
Concen: 20.651 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 128881

Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.4	94.0
134	26.5	13.1	39.1

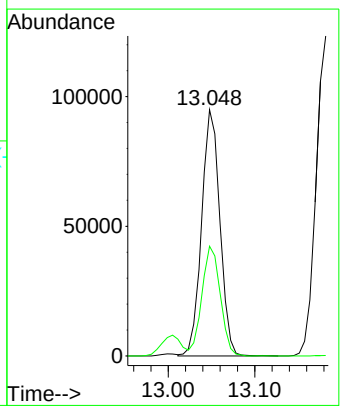


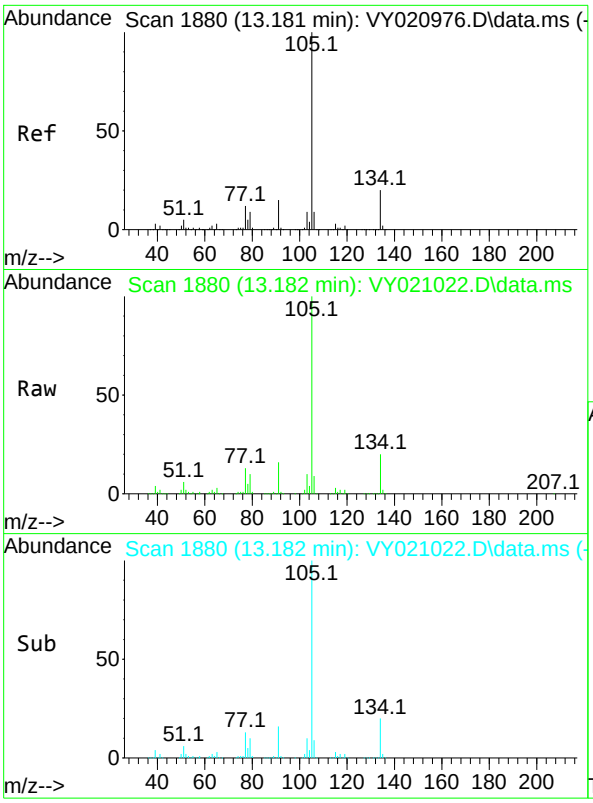


#84
1,2,4-Trimethylbenzene
Concen: 21.214 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 139446

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.0



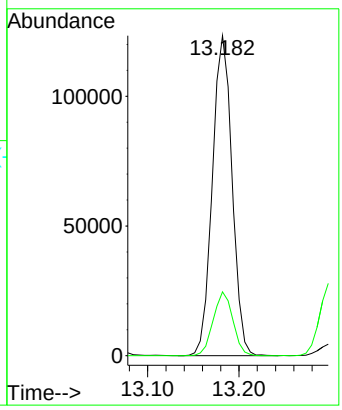


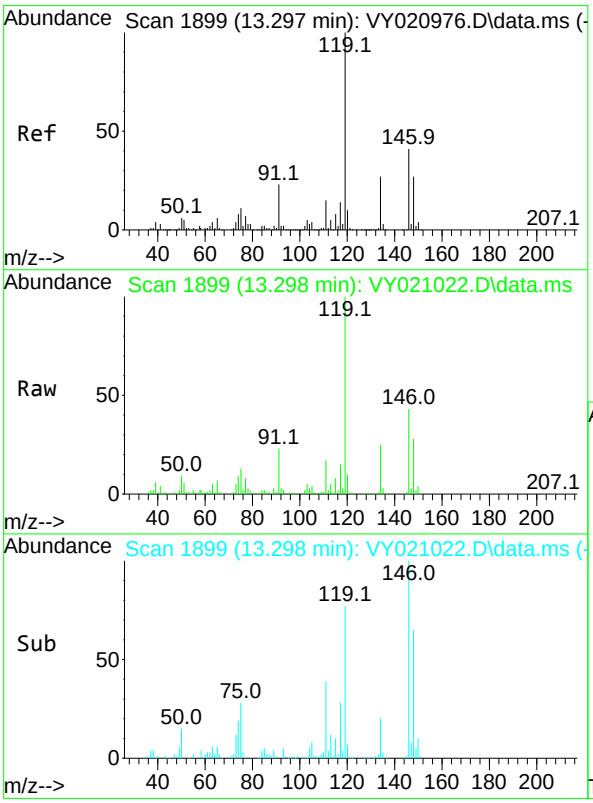
#85
sec-Butylbenzene
Concen: 20.943 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 185044

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.3	30.8

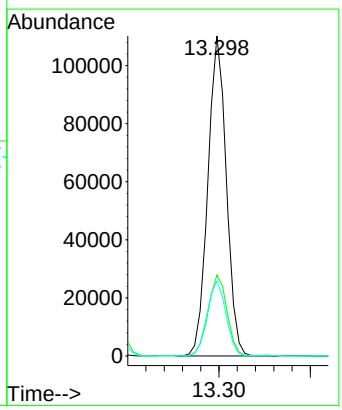


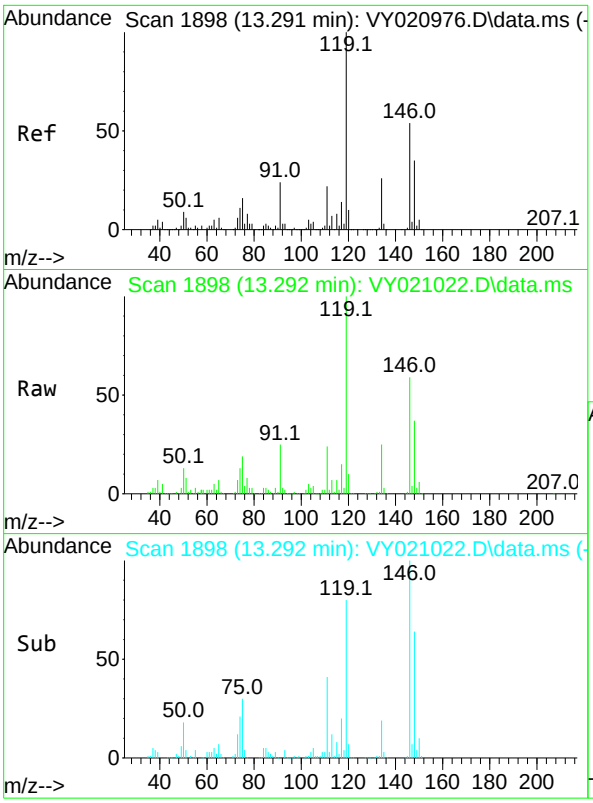


#86
p-Isopropyltoluene
Concen: 20.815 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 154555

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	23.8	11.5	34.5



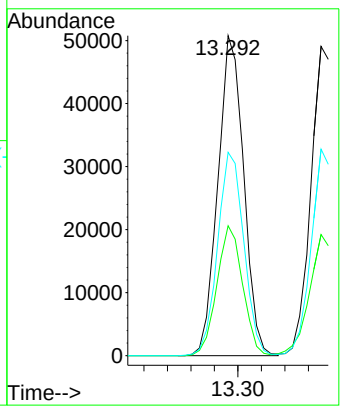


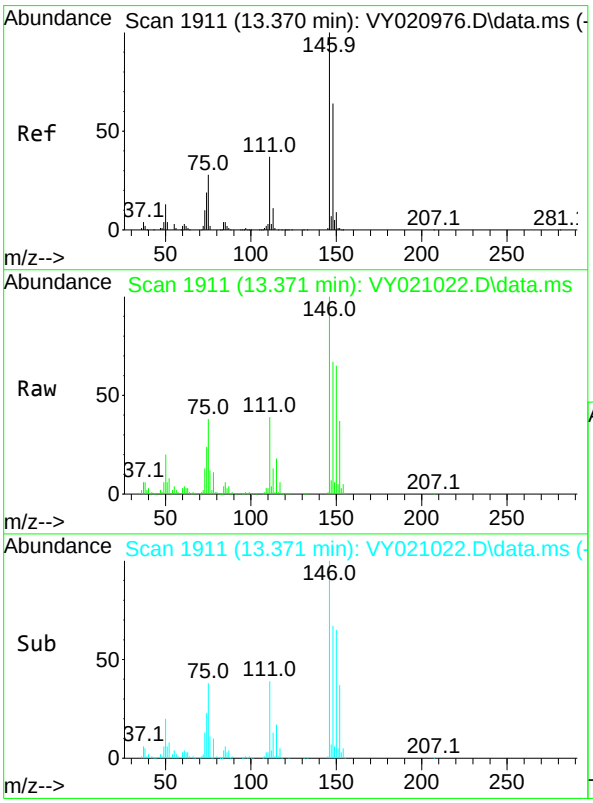
#87
1,3-Dichlorobenzene
Concen: 20.446 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 77631

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.1
148	64.7	32.1	96.3

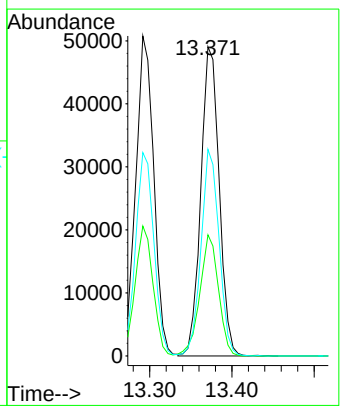


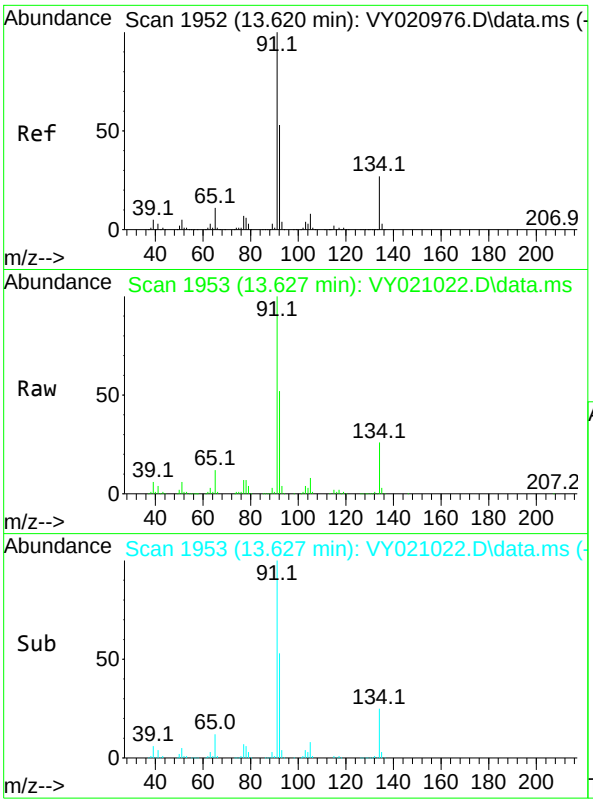


#88
1,4-Dichlorobenzene
Concen: 20.248 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 76342

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.0	57.0
148	65.6	31.6	95.0



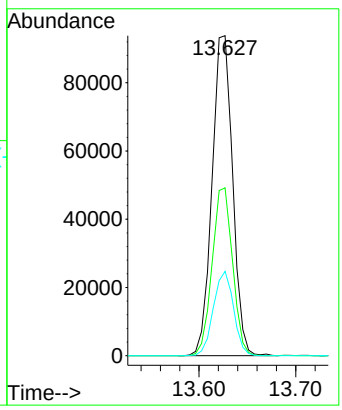


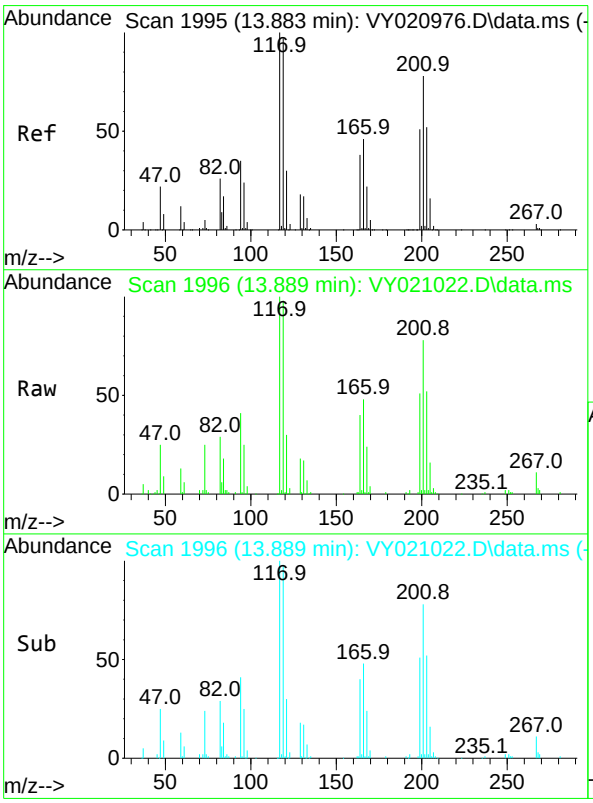
#89
n-Butylbenzene
Concen: 20.829 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 138532

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.1
134	25.8	13.7	41.1

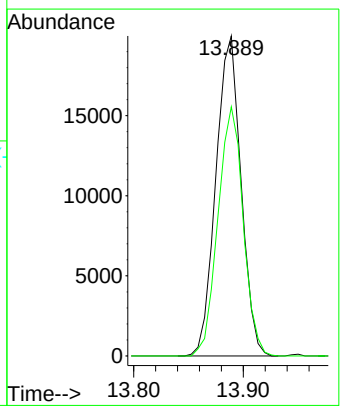


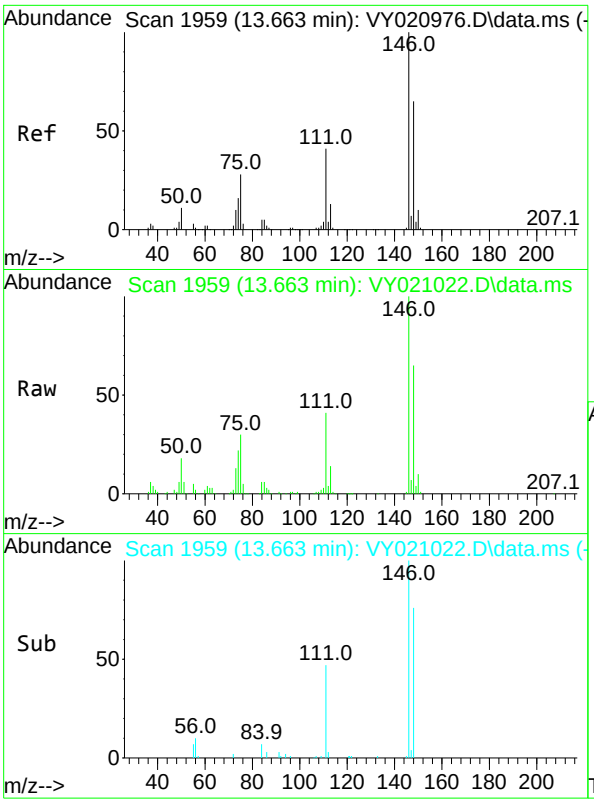


#90
Hexachloroethane
Concen: 21.166 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 31796

Ion	Ratio	Lower	Upper
117	100		
201	78.2	42.5	127.5



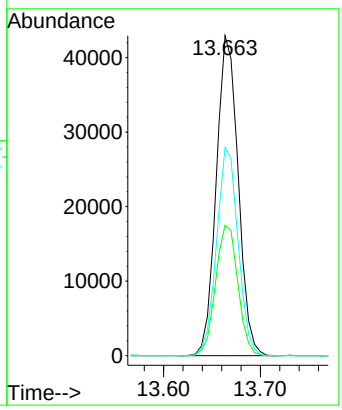


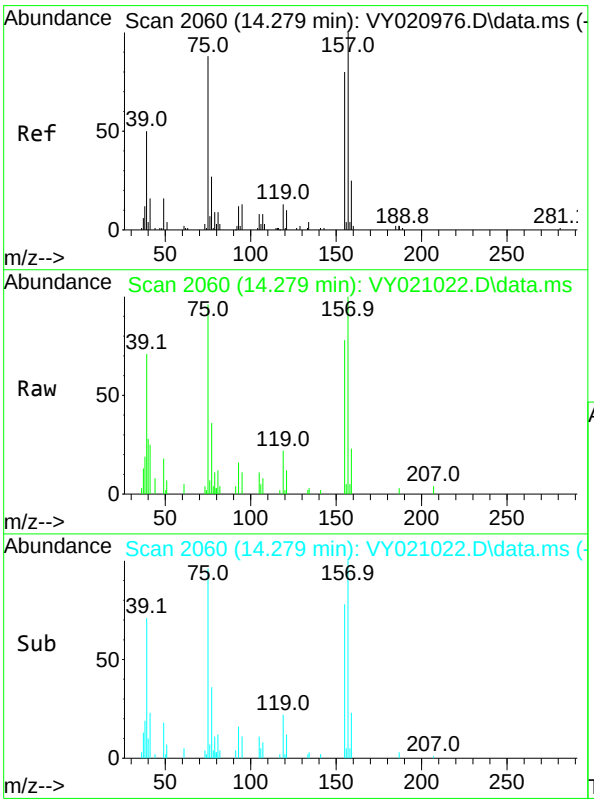
#91
1,2-Dichlorobenzene
Concen: 20.344 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 67363

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.8
148	64.0	32.2	96.6

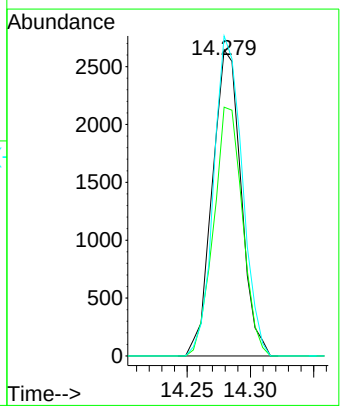


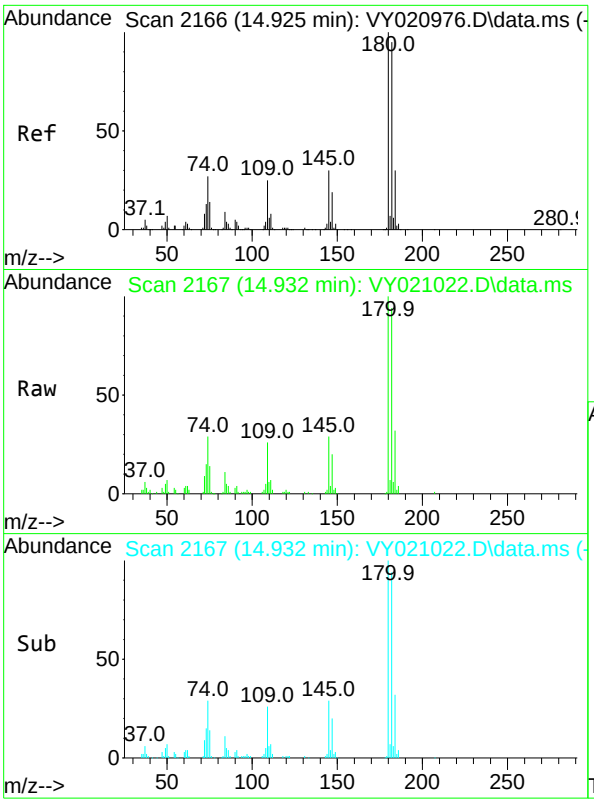


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.380 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4160

Ion	Ratio	Lower	Upper
75	100		
155	81.6	45.9	137.6
157	103.8	59.3	177.9



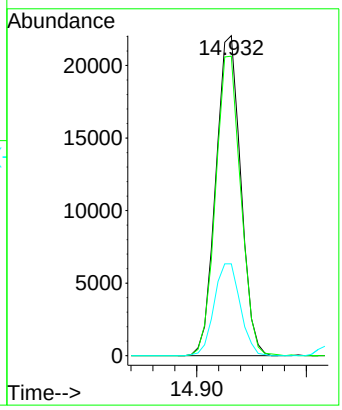


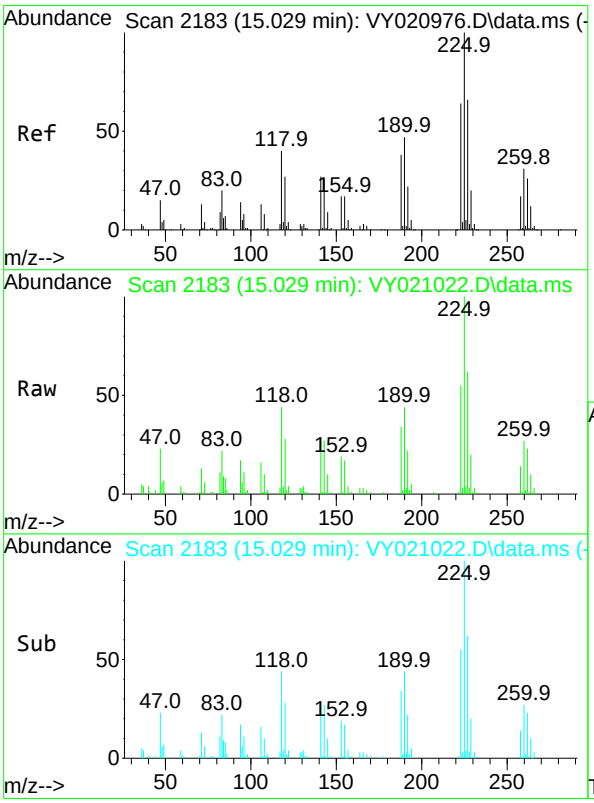
#93
1,2,4-Trichlorobenzene
Concen: 17.150 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 34770

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.8
145	30.1	15.3	45.8

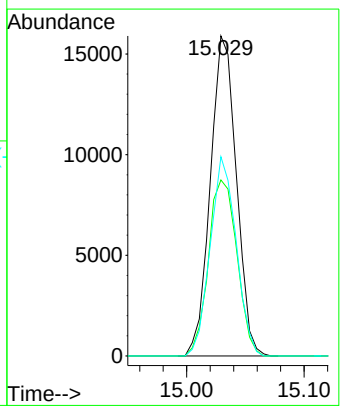


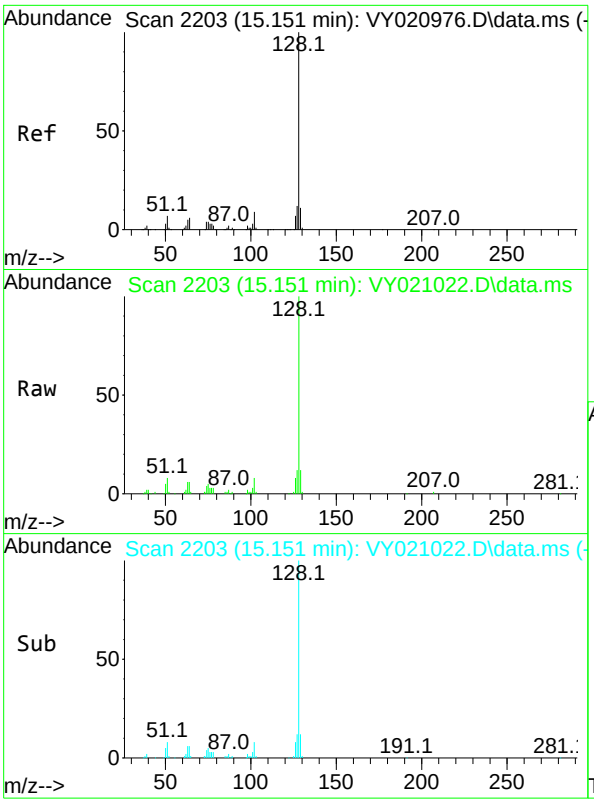


#94
Hexachlorobutadiene
Concen: 17.435 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:225 Resp: 24481

Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.4	94.2
227	62.1	31.8	95.3



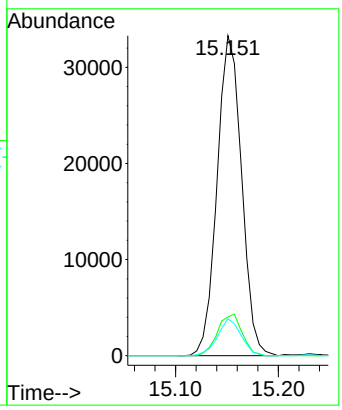


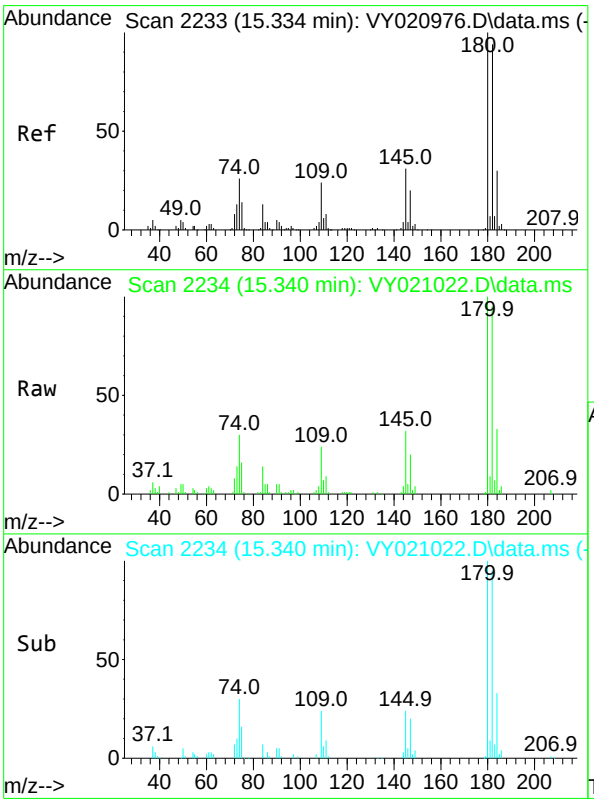
#95
Naphthalene
Concen: 16.886 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 55021

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.1	8.8	13.2

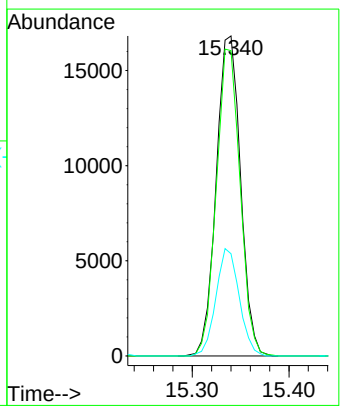




#96
1,2,3-Trichlorobenzene
Concen: 17.090 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:180 Resp: 29301

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.7	143.1
145	32.3	15.6	46.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	185055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	250150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	121069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93084	59.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.160%			
35) Dibromofluoromethane	7.640	113	89515	52.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.220%			
50) Toluene-d8	10.109	98	343592	51.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.414	95	115197	51.200	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	82341	52.329	ug/l	100
3) Chloromethane	2.074	50	77828	77.798	ug/l	98
4) Vinyl Chloride	2.208	62	78456	76.063	ug/l	100
5) Bromomethane	2.605	94	47661	68.257	ug/l	99
6) Chloroethane	2.739	64	47159	78.268	ug/l	99
7) Trichlorofluoromethane	3.068	101	146090	58.690	ug/l	98
8) Diethyl Ether	3.464	74	44796	60.281	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.824	101	91456	54.564	ug/l	95
10) Methyl Iodide	4.013	142	108576	56.607	ug/l	99
11) Tert butyl alcohol	4.872	59	29518	256.470	ug/l	100
12) 1,1-Dichloroethene	3.800	96	86860	55.452	ug/l	92
13) Acrolein	3.659	56	48444	365.513	ug/l	98
14) Allyl chloride	4.391	41	148096	68.676	ug/l	93
15) Acrylonitrile	5.061	53	98437	322.040	ug/l	99
16) Acetone	3.879	43	71701	333.889	ug/l	93
17) Carbon Disulfide	4.117	76	272934	56.574	ug/l	99
18) Methyl Acetate	4.397	43	53193	70.789	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	225045	61.726	ug/l	99
20) Methylene Chloride	4.623	84	89716	56.645	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	96653	57.552	ug/l	92
22) Diisopropyl ether	6.025	45	308181	70.111	ug/l	96
23) Vinyl Acetate	5.970	43	876749	360.173	ug/l	96
24) 1,1-Dichloroethane	5.921	63	175291	61.815	ug/l	100
25) 2-Butanone	6.903	43	124949	342.981	ug/l	94
26) 2,2-Dichloropropane	6.890	77	160962	57.651	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	110873	57.437	ug/l	94
28) Bromochloromethane	7.250	49	76460	72.370	ug/l	84
29) Tetrahydrofuran	7.262	42	84863	346.176	ug/l	91
30) Chloroform	7.427	83	181725	59.167	ug/l	96
31) Cyclohexane	7.707	56	153013	55.203	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	168751	56.771	ug/l	97
36) 1,1-Dichloropropene	7.841	75	132425	54.034	ug/l	98
37) Ethyl Acetate	6.988	43	60168	65.852	ug/l	95
38) Carbon Tetrachloride	7.823	117	156282	51.530	ug/l	99
39) Methylcyclohexane	9.116	83	168118	51.064	ug/l	95
40) Benzene	8.085	78	393690	54.594	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31701	62.707 ug/l		93
42) 1,2-Dichloroethane	8.165	62	108251	59.191 ug/l		99
43) Isopropyl Acetate	8.201	43	120630	66.087 ug/l		96
44) Trichloroethene	8.872	130	99733	50.121 ug/l		99
45) 1,2-Dichloropropane	9.146	63	93348	57.754 ug/l		99
46) Dibromomethane	9.238	93	51734	55.001 ug/l		95
47) Bromodichloromethane	9.427	83	137852	55.807 ug/l		97
48) Methyl methacrylate	9.225	41	54848	63.113 ug/l		91
49) 1,4-Dioxane	9.231	88	10030	1003.514 ug/l	#	91
51) 4-Methyl-2-Pentanone	10.000	43	308616	329.038 ug/l		95
52) Toluene	10.176	92	250280	53.469 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	128314	57.403 ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	149965	56.133 ug/l	#	91
55) 1,1,2-Trichloroethane	10.579	97	67249	53.761 ug/l		99
56) Ethyl methacrylate	10.445	69	96579	59.067 ug/l	#	88
57) 1,3-Dichloropropane	10.725	76	117634	55.483 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	224134	322.966 ug/l		95
59) 2-Hexanone	10.768	43	205217	336.612 ug/l		92
60) Dibromochloromethane	10.914	129	93957	52.680 ug/l		100
61) 1,2-Dibromoethane	11.018	107	64333	53.845 ug/l		98
64) Tetrachloroethene	10.652	164	90228	47.817 ug/l		98
65) Chlorobenzene	11.445	112	270176	51.263 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	95653	51.137 ug/l		97
67) Ethyl Benzene	11.524	91	486059	53.265 ug/l		100
68) m/p-Xylenes	11.633	106	366509	104.538 ug/l		98
69) o-Xylene	11.963	106	170229	52.229 ug/l		96
70) Styrene	11.975	104	289102	53.426 ug/l		98
71) Bromoform	12.133	173	54130	49.101 ug/l	#	98
73) Isopropylbenzene	12.261	105	461198	54.240 ug/l		99
74) N-amyl acetate	12.072	43	107371	69.346 ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.511	83	76500	55.736 ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	102300	106.739 ug/l	#	100
77) Bromobenzene	12.536	156	104605	51.889 ug/l		93
78) n-propylbenzene	12.603	91	554600	55.653 ug/l		98
79) 2-Chlorotoluene	12.688	91	312917	55.113 ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	376397	54.032 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	26957	58.386 ug/l		91
82) 4-Chlorotoluene	12.786	91	316855	54.527 ug/l		100
83) tert-Butylbenzene	13.005	119	347315	53.757 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	370408	54.433 ug/l		100
85) sec-Butylbenzene	13.182	105	488820	53.440 ug/l		100
86) p-Isopropyltoluene	13.298	119	414156	53.878 ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	203767	51.839 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	201529	51.631 ug/l		100
89) n-Butylbenzene	13.621	91	381707	55.439 ug/l		99
90) Hexachloroethane	13.889	117	84237	54.167 ug/l		94
91) 1,2-Dichlorobenzene	13.664	146	176718	51.554 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11716	55.445 ug/l		93
93) 1,2,4-Trichlorobenzene	14.926	180	105932	50.473 ug/l		99
94) Hexachlorobutadiene	15.029	225	67092	46.155 ug/l		99
95) Naphthalene	15.151	128	180166	53.412 ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	88730	49.991 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

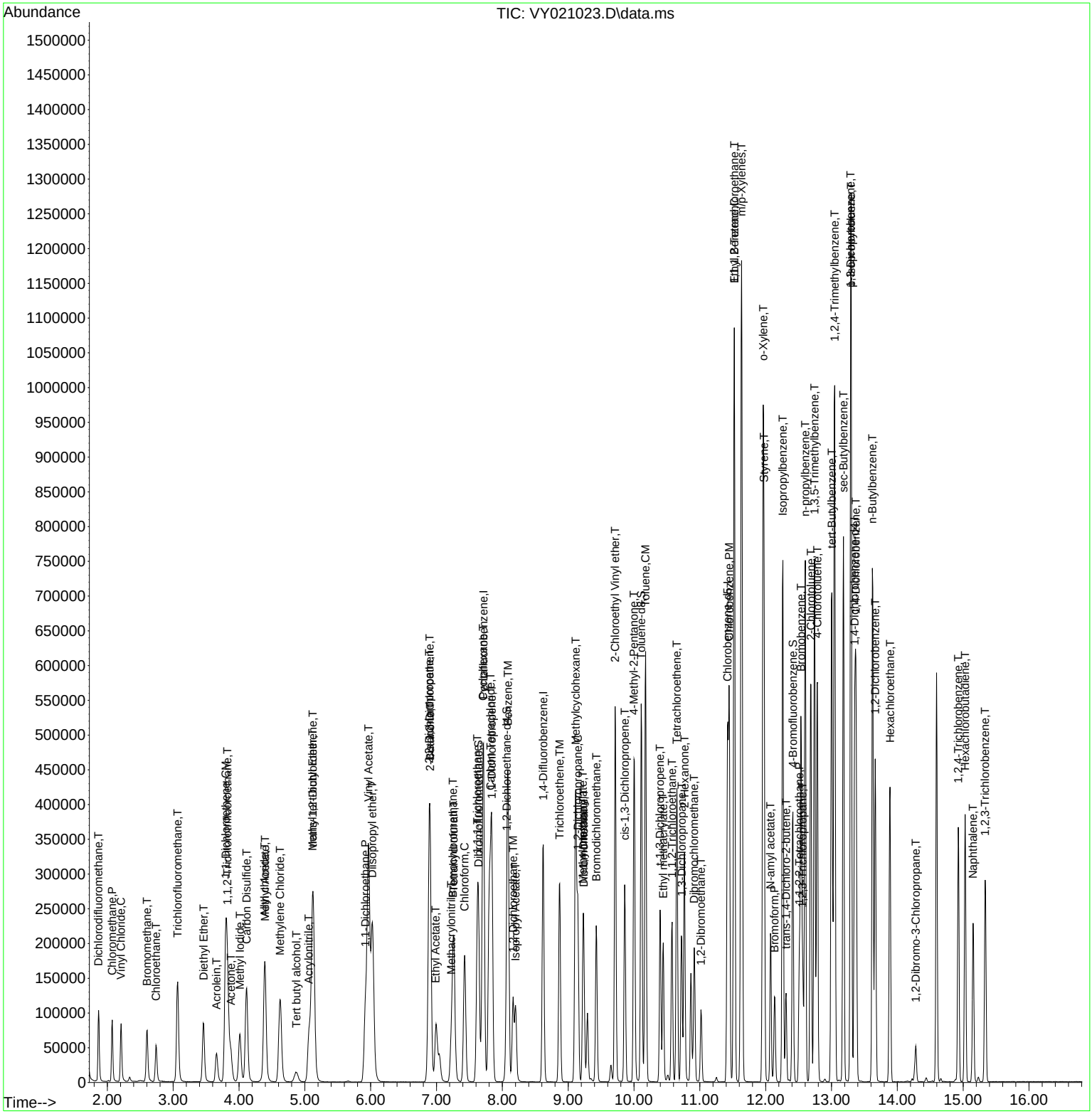
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

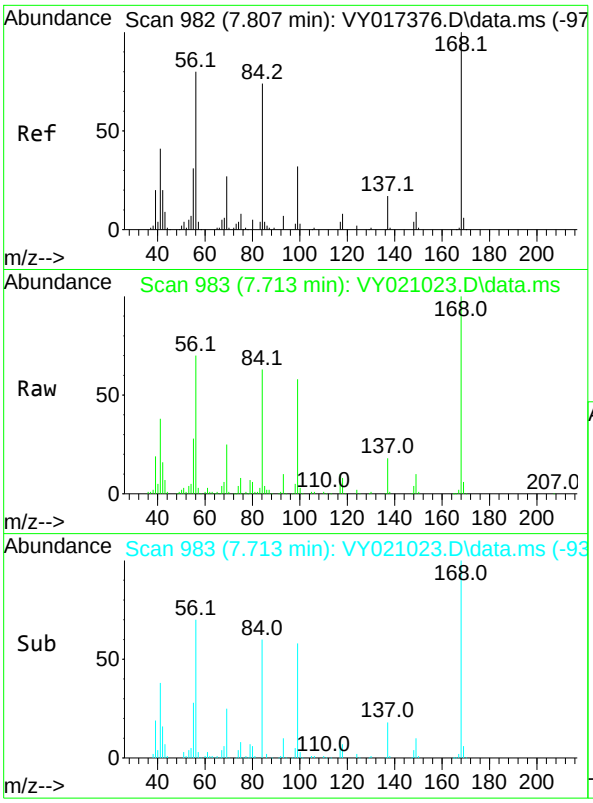
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



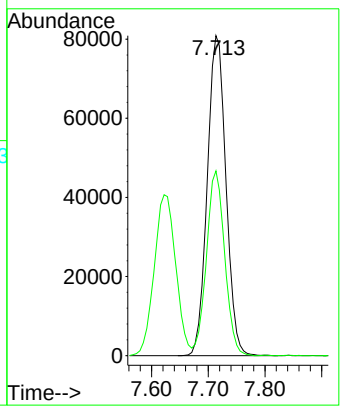


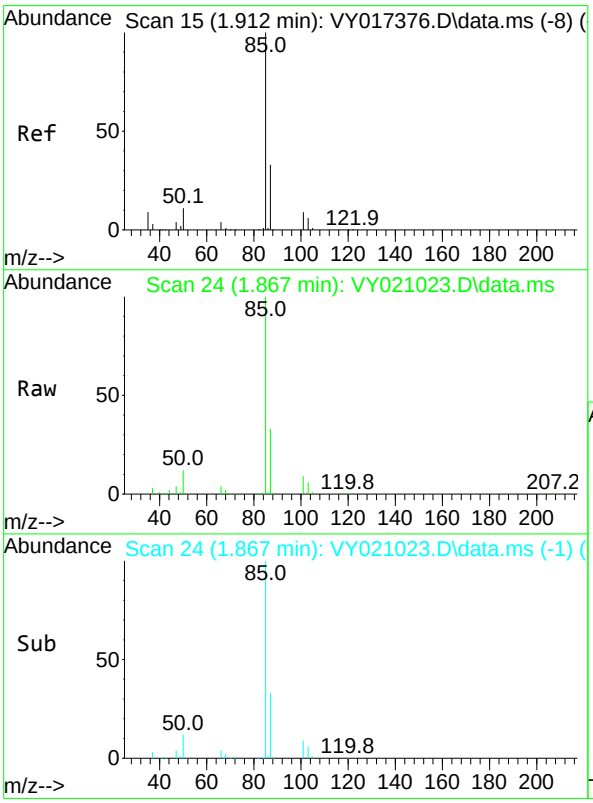
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 185055

Ion	Ratio	Lower	Upper
168	100		
99	57.7	42.2	63.2

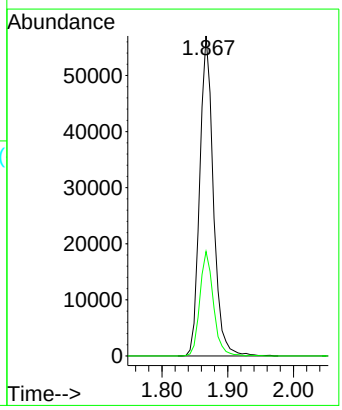


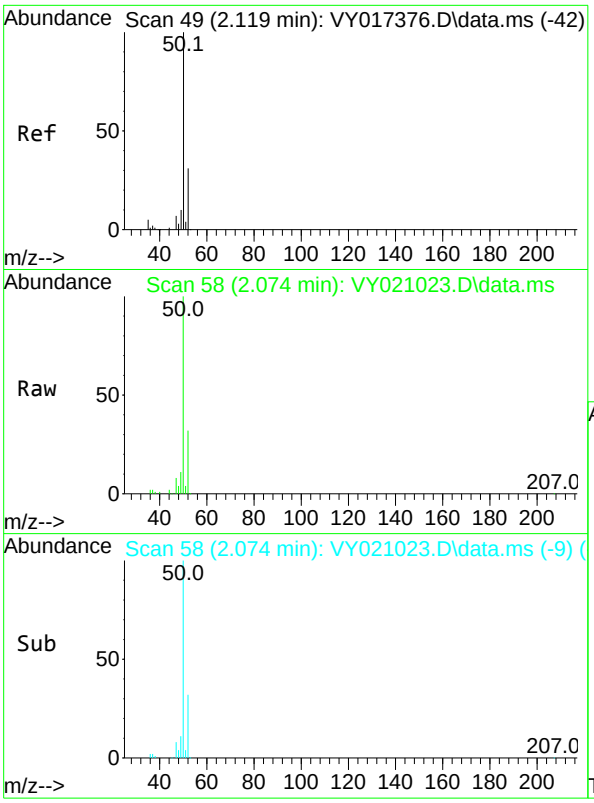


#2
Dichlorodifluoromethane
Concen: 52.329 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 85 Resp: 82341

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.3	48.9



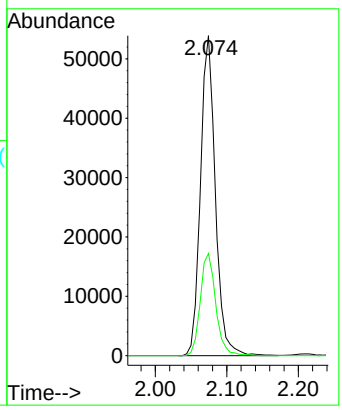


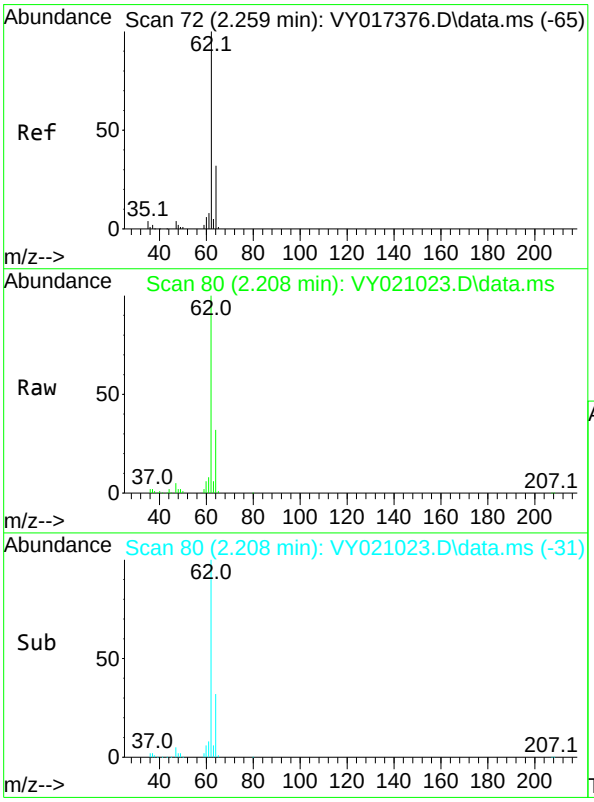
#3
Chloromethane
Concen: 77.798 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77828

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5

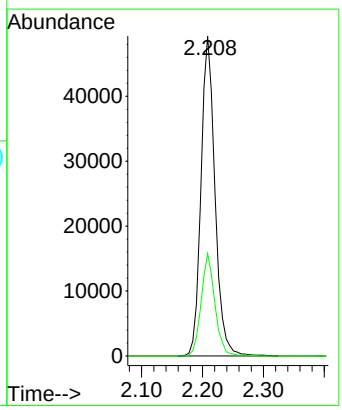


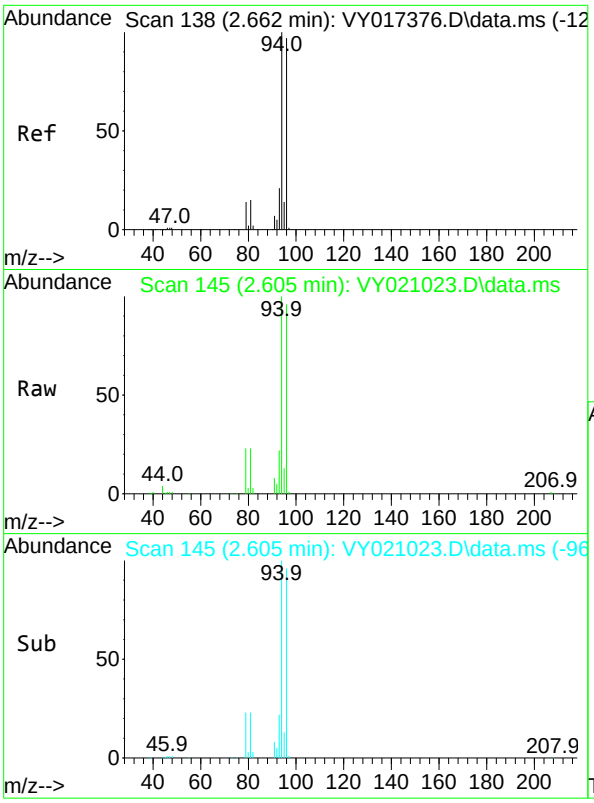


#4
Vinyl Chloride
Concen: 76.063 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 78456

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.2



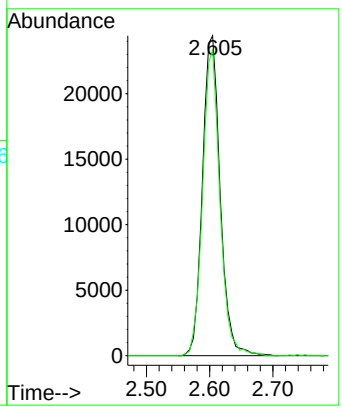


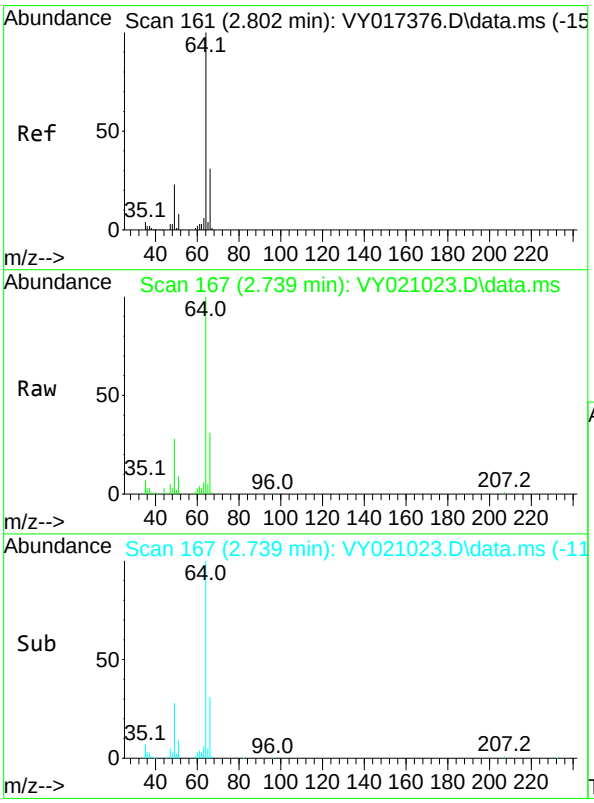
#5
Bromomethane
Concen: 68.257 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 47661

Ion	Ratio	Lower	Upper
94	100		
96	95.6	77.4	116.0

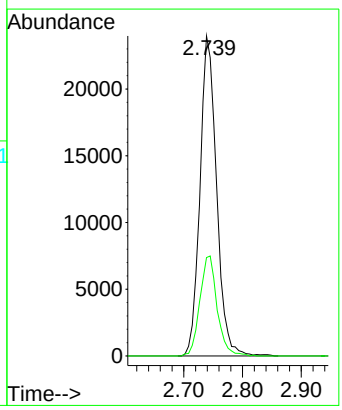


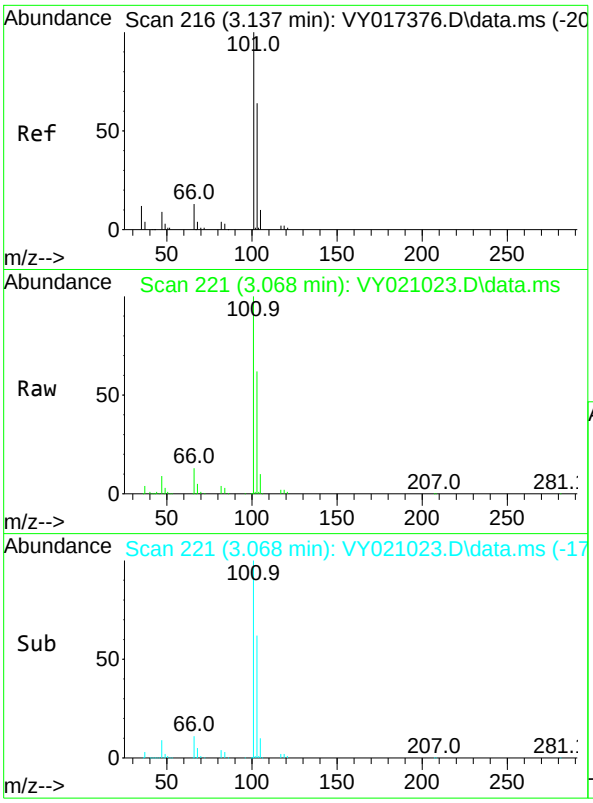


#6
Chloroethane
Concen: 78.268 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 64 Resp: 47159

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.0	37.4



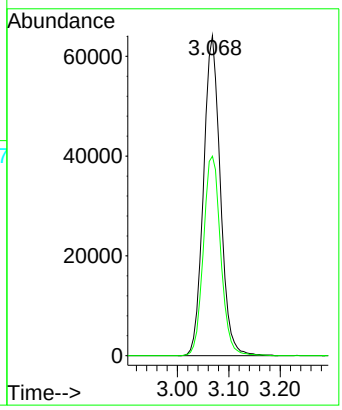


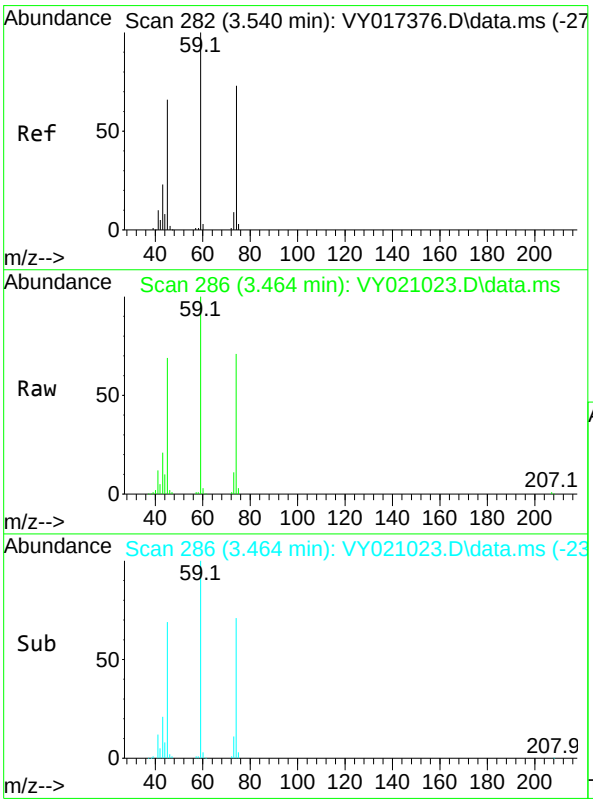
#7
Trichlorofluoromethane
Concen: 58.690 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 146090

Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.9	76.3

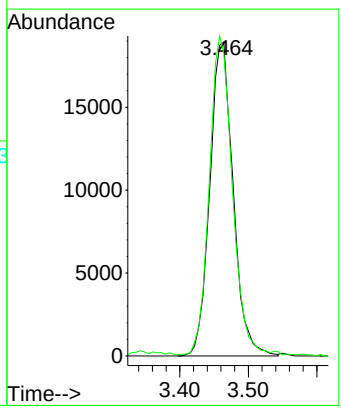


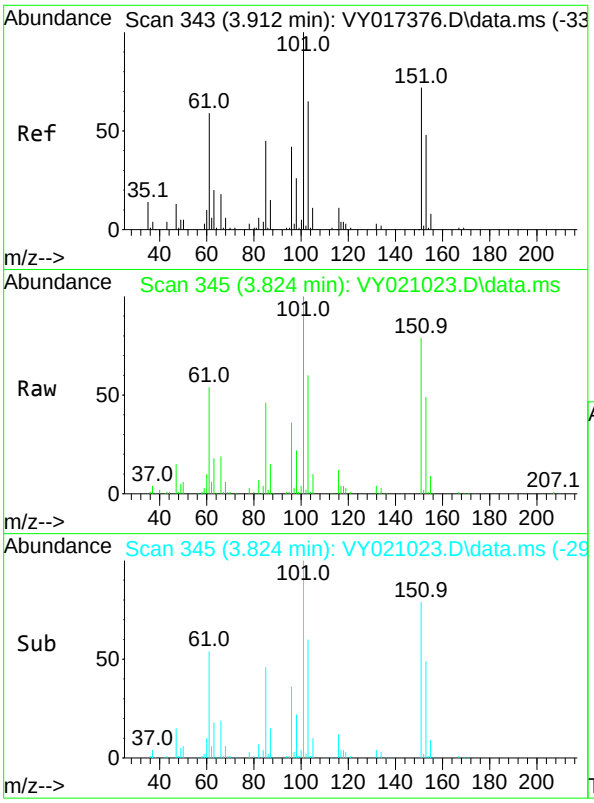


#8
Diethyl Ether
Concen: 60.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 74 Resp: 44796

Ion	Ratio	Lower	Upper
74	100		
45	100.0	43.4	130.2



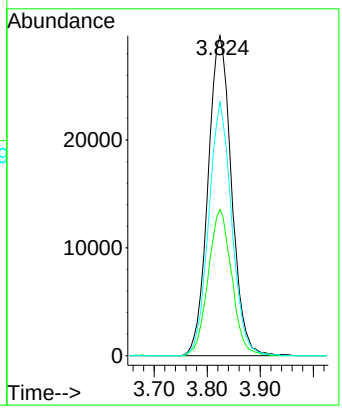


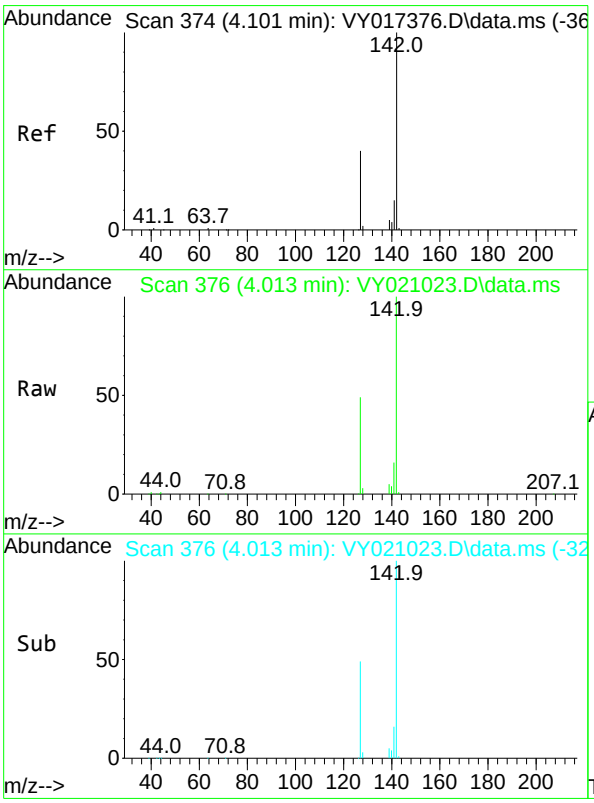
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.564 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 91456

Ion	Ratio	Lower	Upper
101	100		
85	45.5	34.9	52.3
151	77.5	66.8	100.2

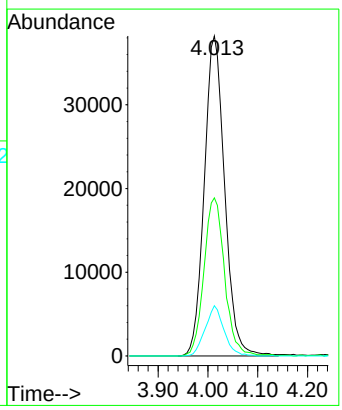


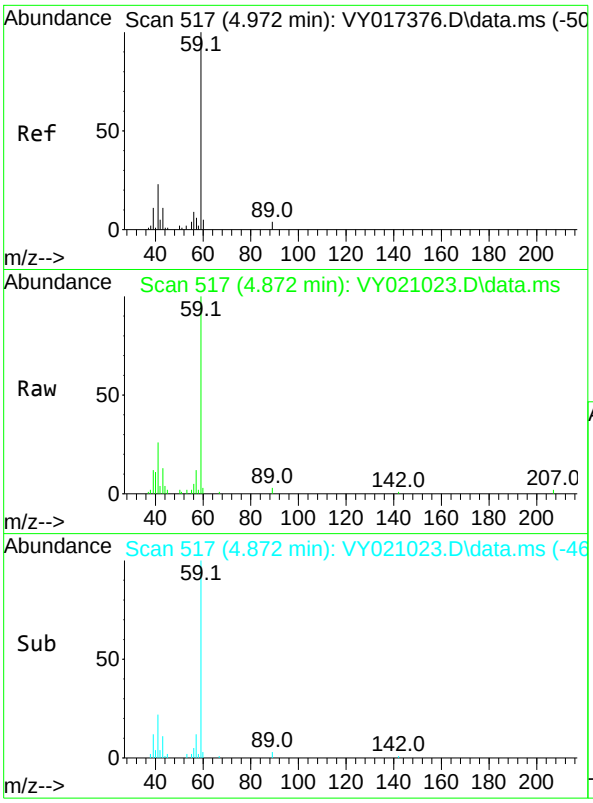


#10
Methyl Iodide
Concen: 56.607 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:142 Resp: 108576

Ion	Ratio	Lower	Upper
142	100		
127	49.8	38.9	58.3
141	14.5	11.7	17.5



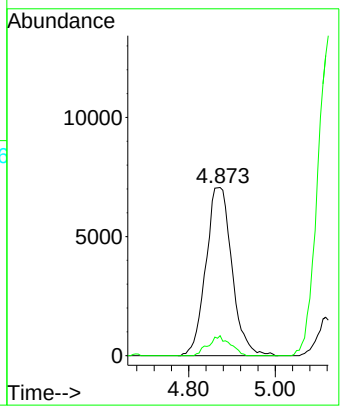


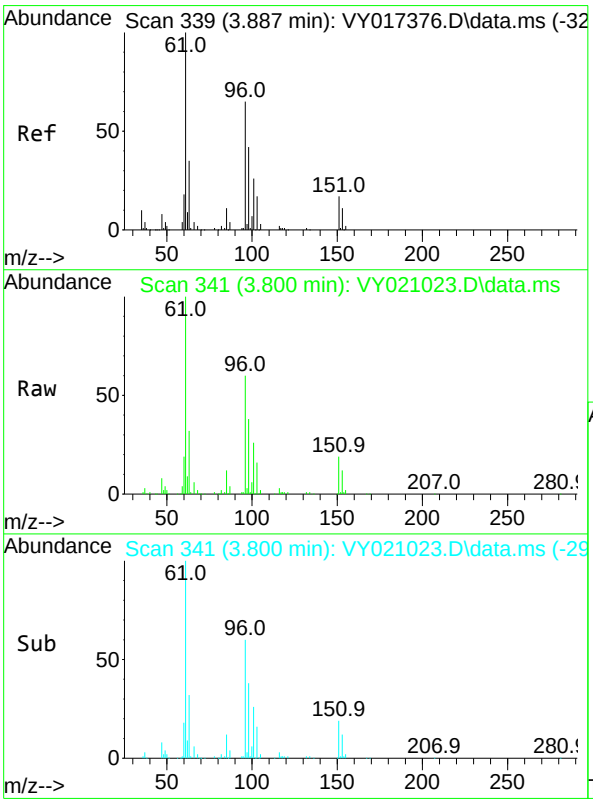
#11
Tert butyl alcohol
Concen: 256.470 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 29518

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

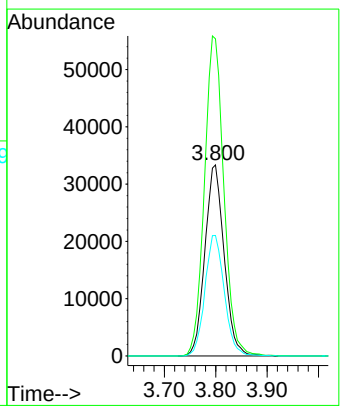


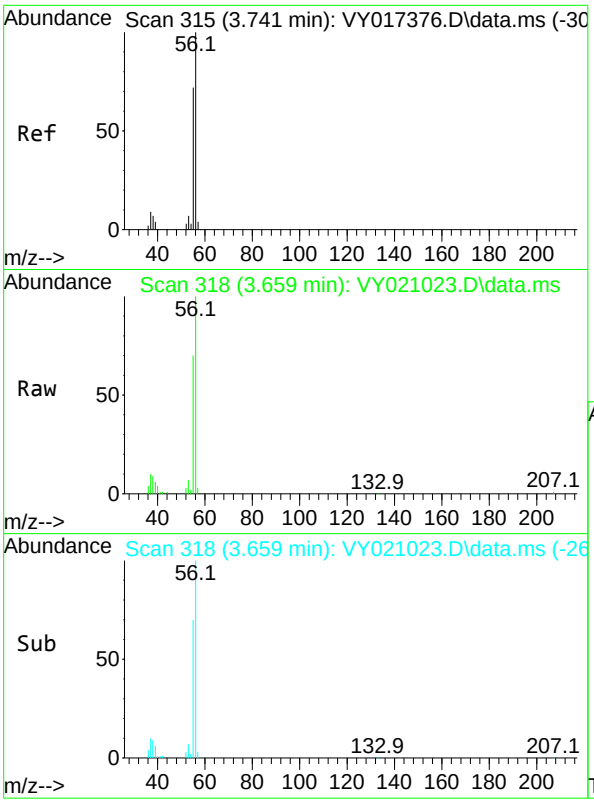


#12
1,1-Dichloroethene
Concen: 55.452 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 86860

Ion	Ratio	Lower	Upper
96	100		
61	166.1	120.8	181.2
98	63.1	50.6	76.0



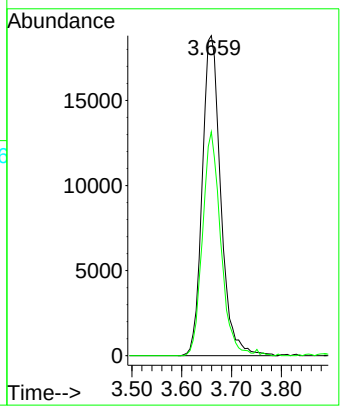


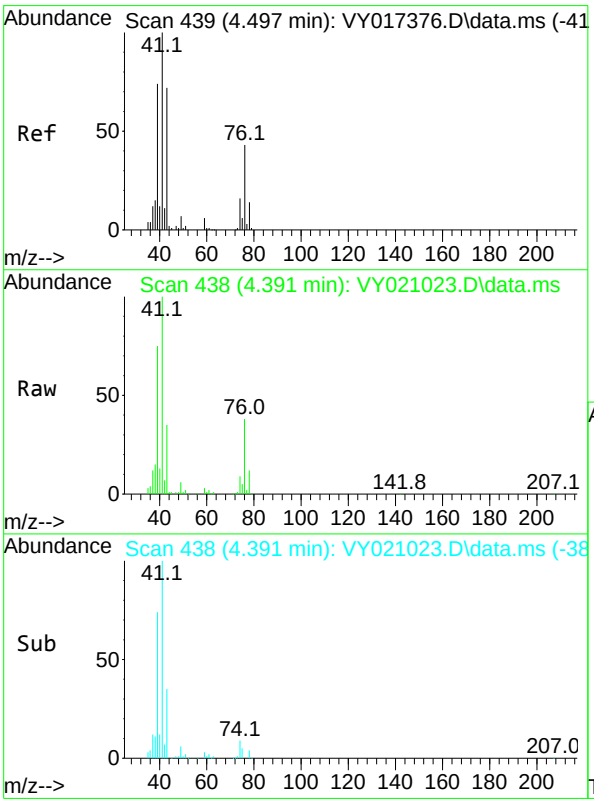
#13
Acrolein
Concen: 365.513 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 48444

Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.1	84.1

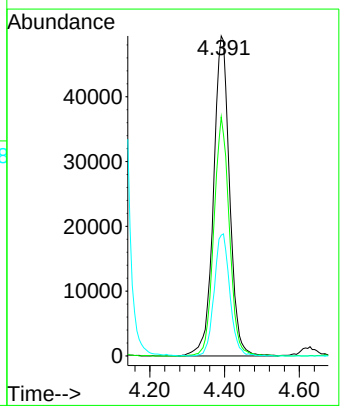


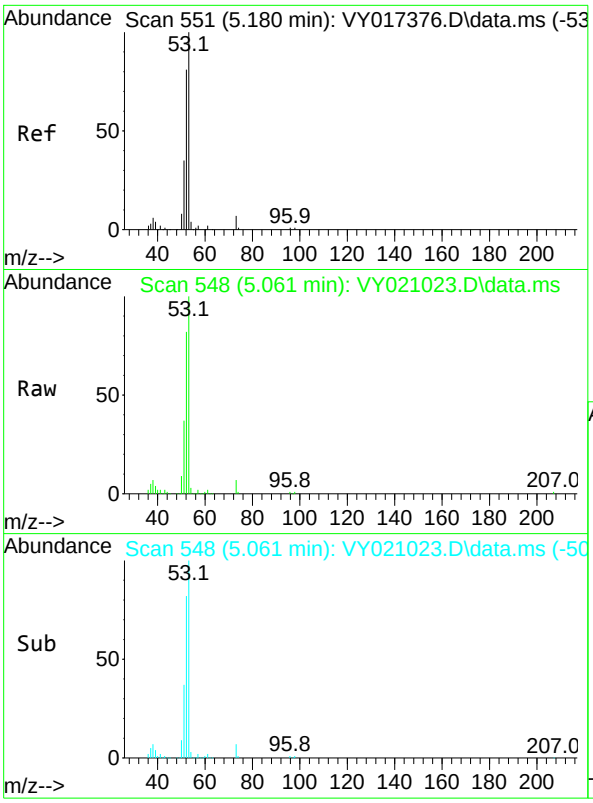


#14
Allyl chloride
Concen: 68.676 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 148096

Ion	Ratio	Lower	Upper
41	100		
39	71.5	53.5	80.3
76	37.1	34.6	52.0



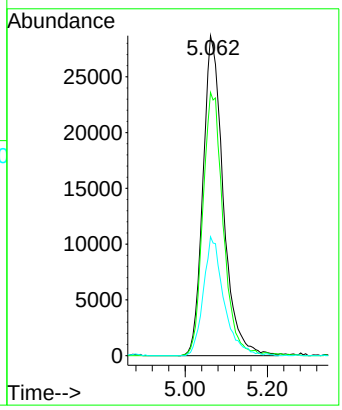


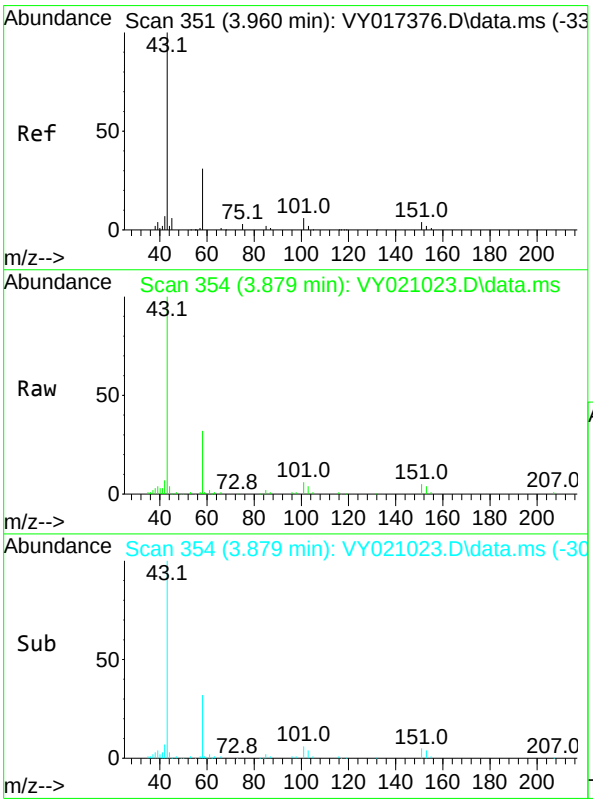
#15
Acrylonitrile
Concen: 322.040 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 98437

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.4
51	37.4	29.4	44.0

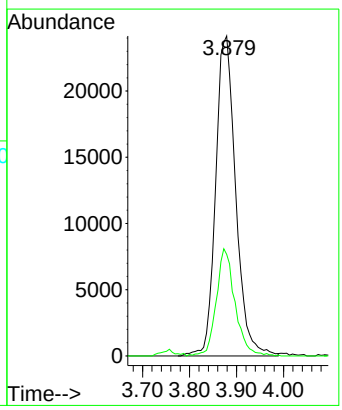


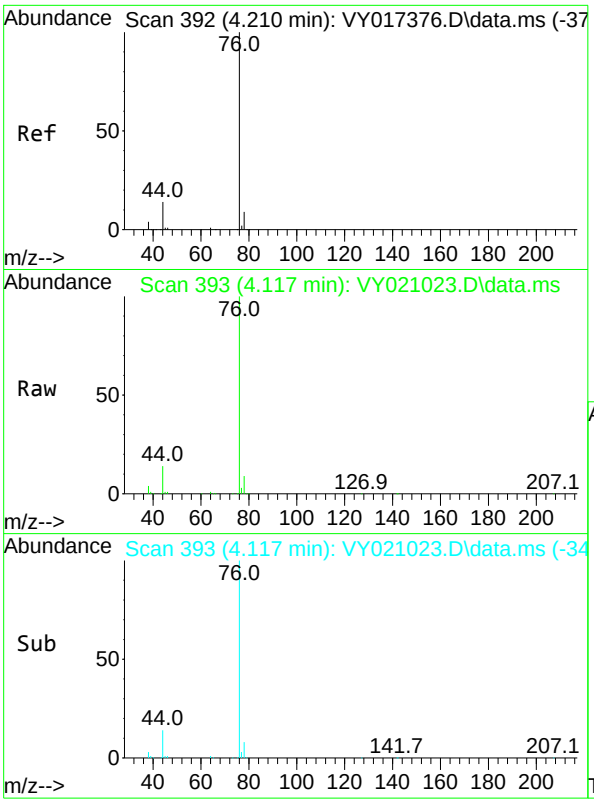


#16
Acetone
Concen: 333.889 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 71701

Ion	Ratio	Lower	Upper
43	100		
58	31.4	28.4	42.6



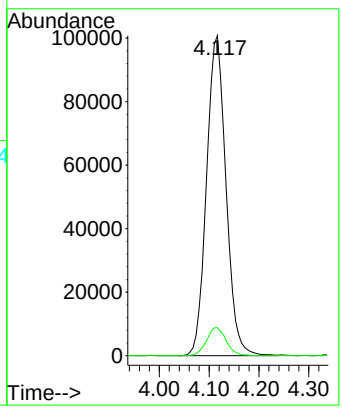


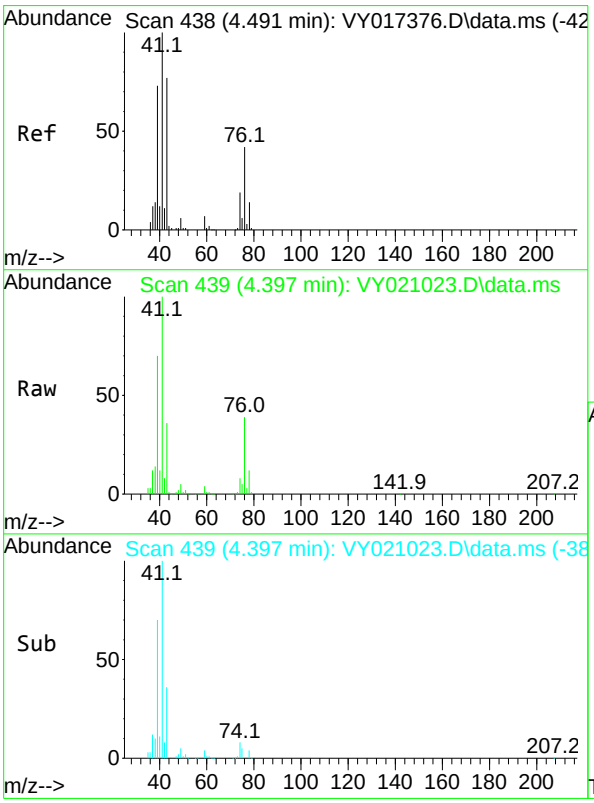
#17
Carbon Disulfide
Concen: 56.574 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 272934

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

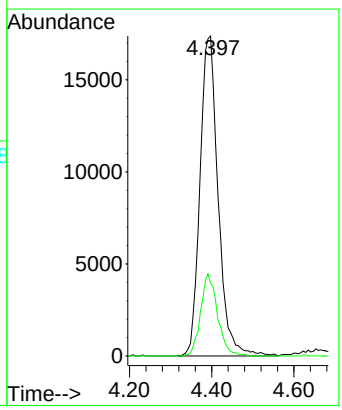


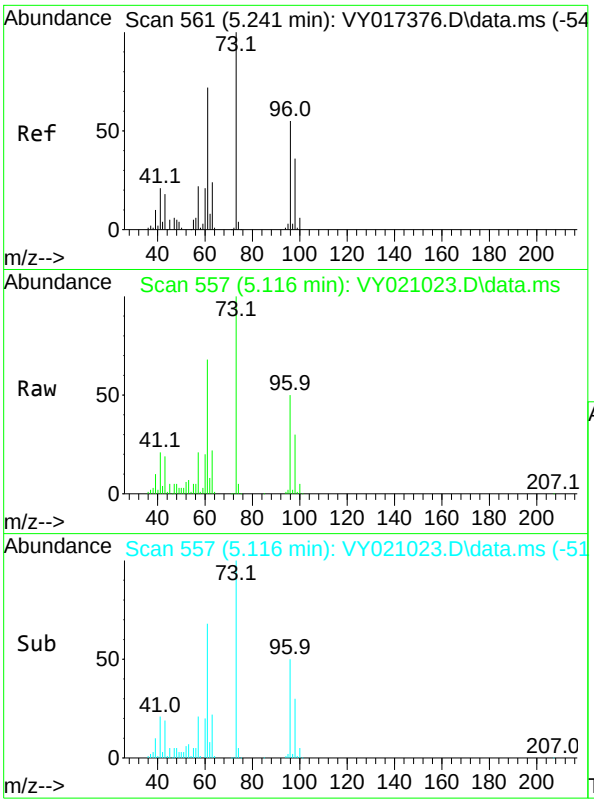


#18
Methyl Acetate
Concen: 70.789 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 53193

Ion	Ratio	Lower	Upper
43	100		
74	23.8	22.2	33.4



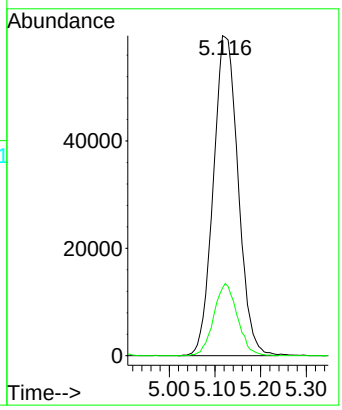


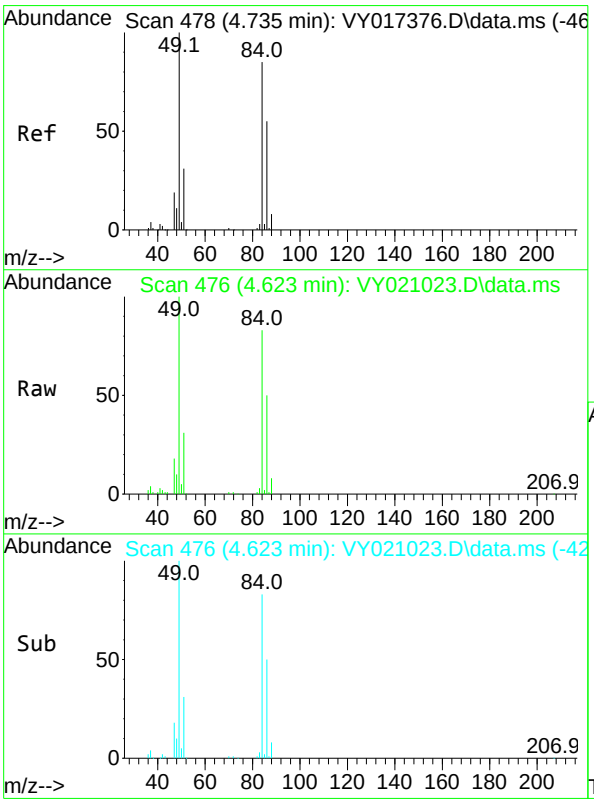
#19
Methyl tert-butyl Ether
Concen: 61.726 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 225045

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.6	25.0

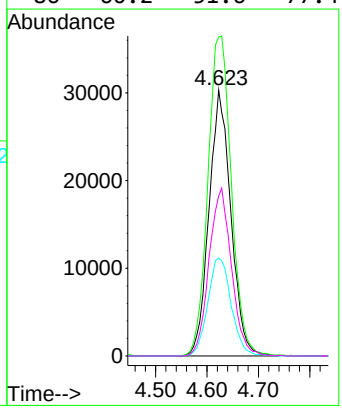


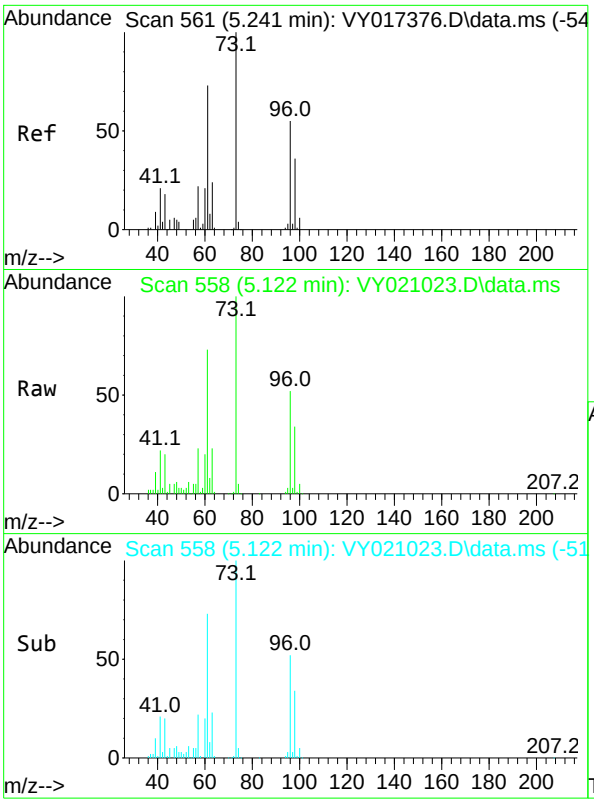


#20
Methylene Chloride
Concen: 56.645 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 84 Resp: 89716

Ion	Ratio	Lower	Upper
84	100		
49	120.0	88.3	132.5
51	36.8	27.7	41.5
86	60.2	51.6	77.4



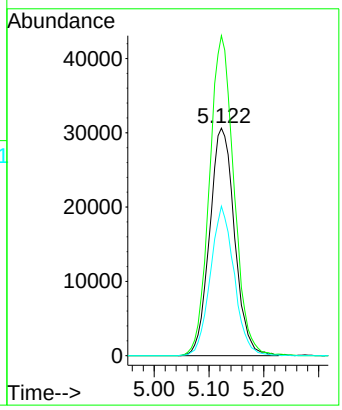


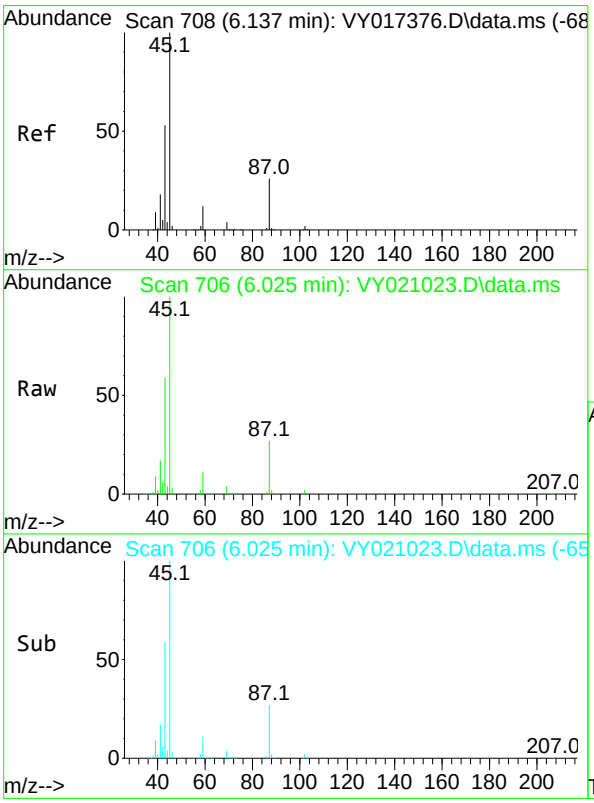
#21
trans-1,2-Dichloroethene
Concen: 57.552 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 96653

Ion	Ratio	Lower	Upper
96	100		
61	140.7	101.5	152.3
98	65.7	52.0	78.0

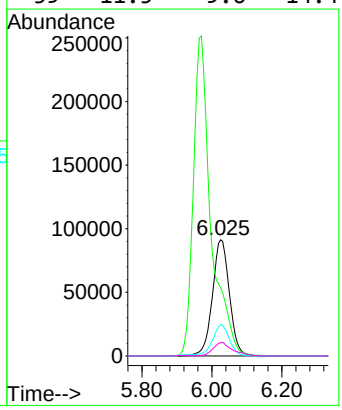


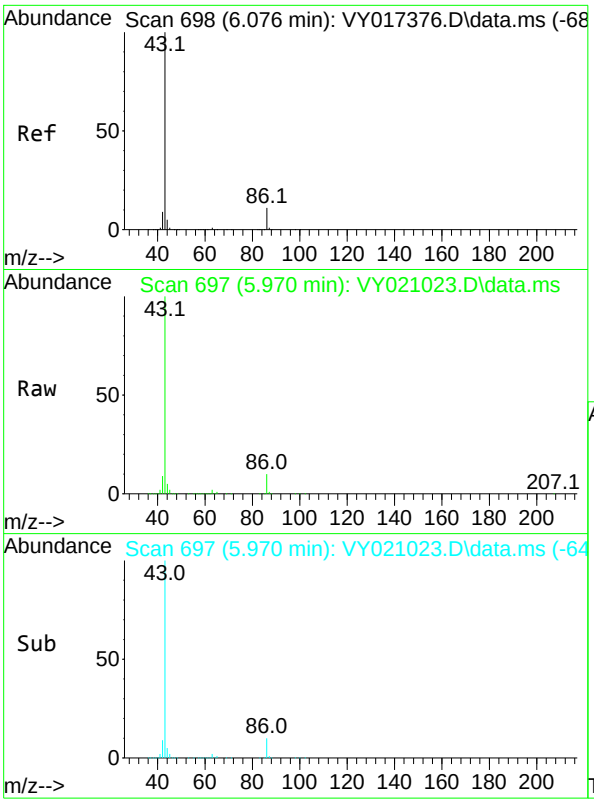


#22
Diisopropyl ether
Concen: 70.111 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 45 Resp: 308181

Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.1	67.7
87	27.2	25.0	37.4
59	11.5	9.6	14.4



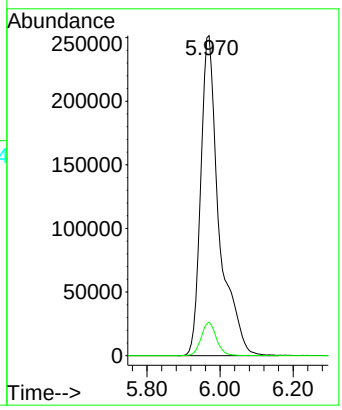


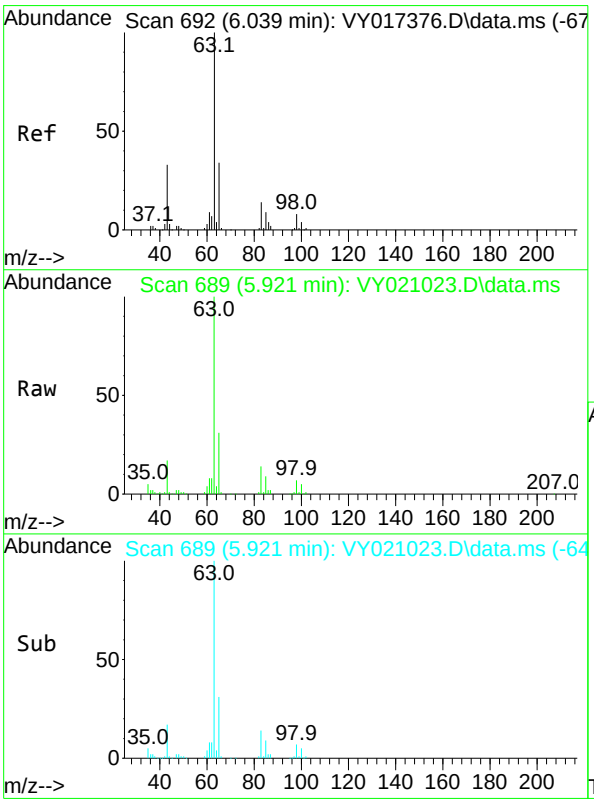
#23
Vinyl Acetate
Concen: 360.173 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 876749

Ion	Ratio	Lower	Upper
43	100		
86	10.5	9.7	14.5

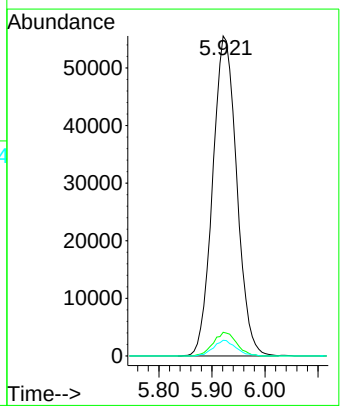


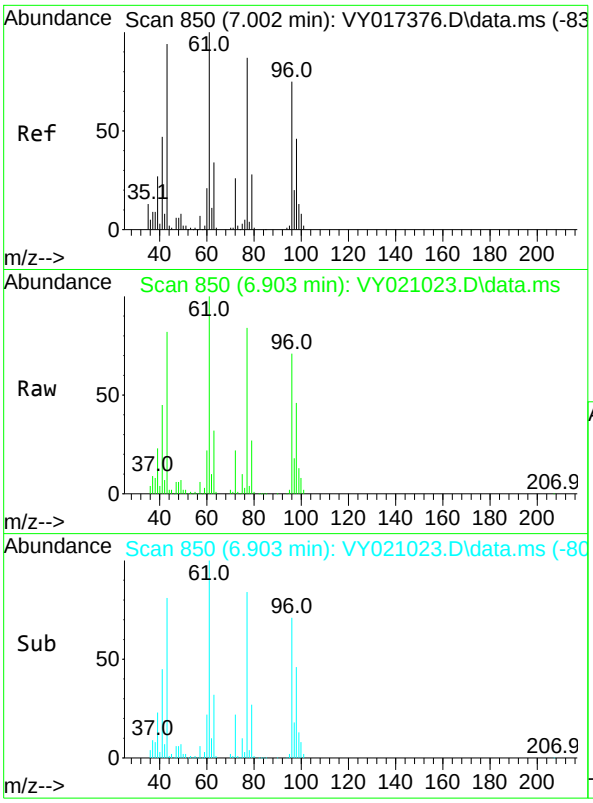


#24
1,1-Dichloroethane
Concen: 61.815 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 175291

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.9	2.4	7.2



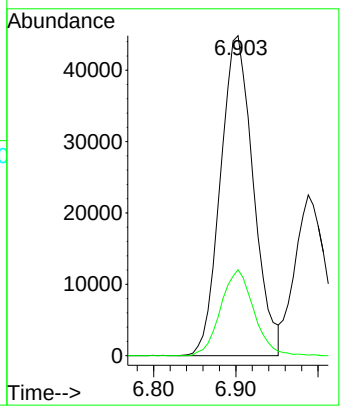


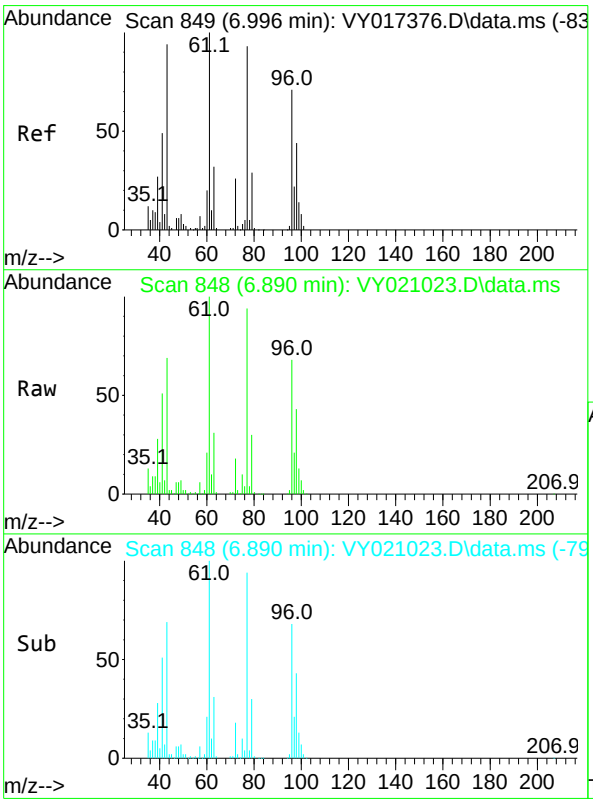
#25
2-Butanone
Concen: 342.981 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 124949

Ion	Ratio	Lower	Upper
43	100		
72	26.9	24.3	36.5

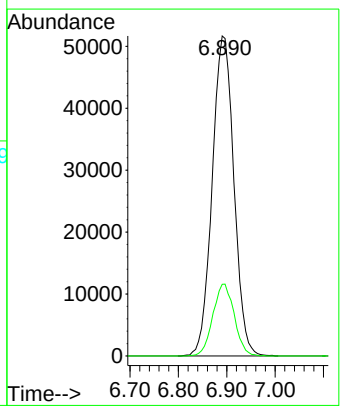


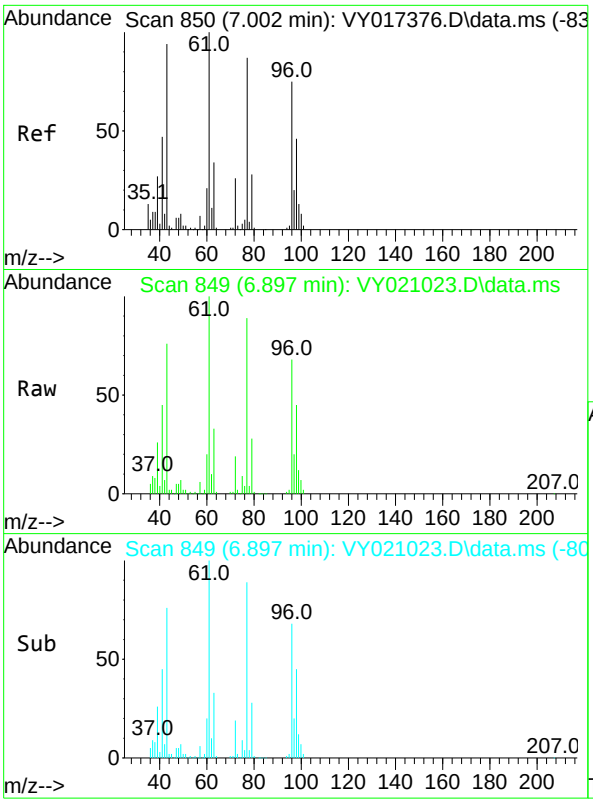


#26
2,2-Dichloropropane
Concen: 57.651 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 77 Resp: 160962

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2



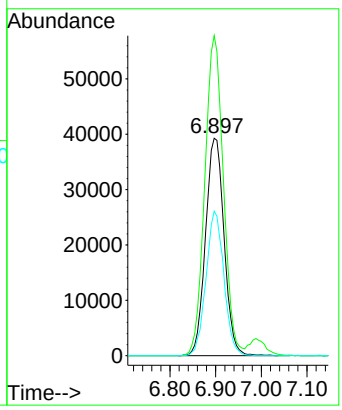


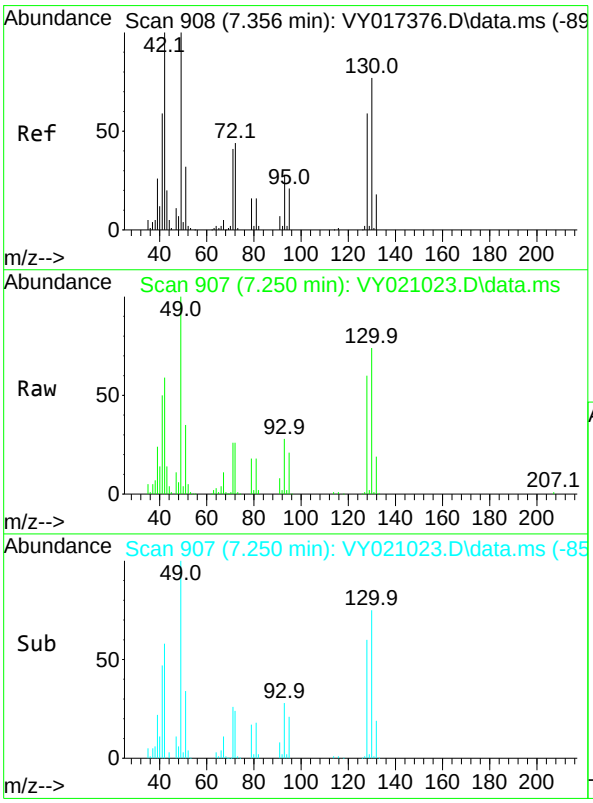
#27
cis-1,2-Dichloroethene
Concen: 57.437 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 110873

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	274.0
98	64.0	0.0	130.4

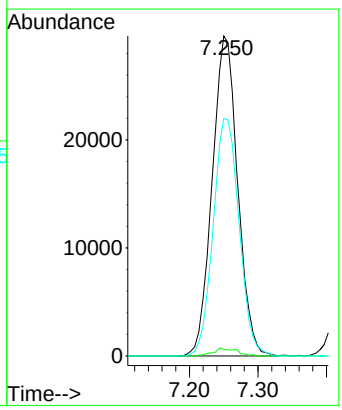


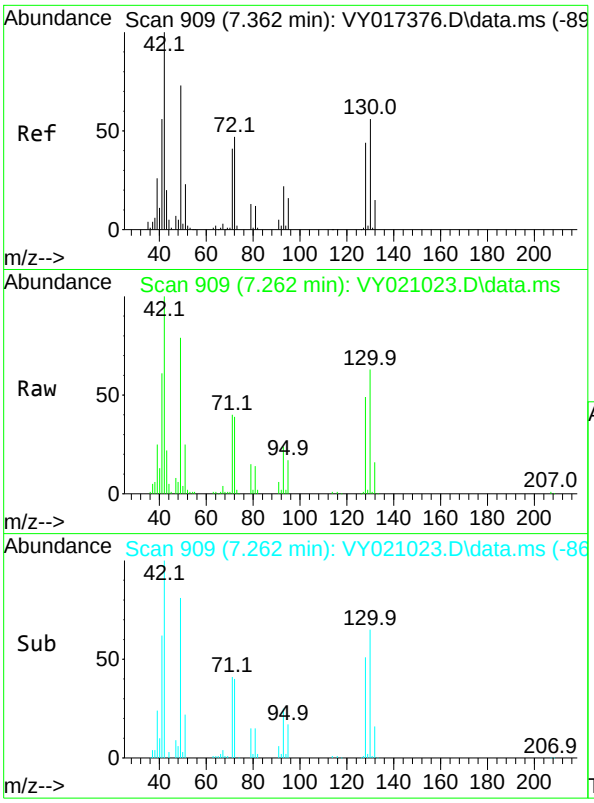


#28
Bromochloromethane
Concen: 72.370 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 49 Resp: 76460

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	75.5	73.2	109.8



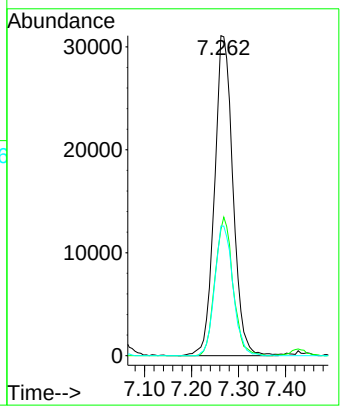


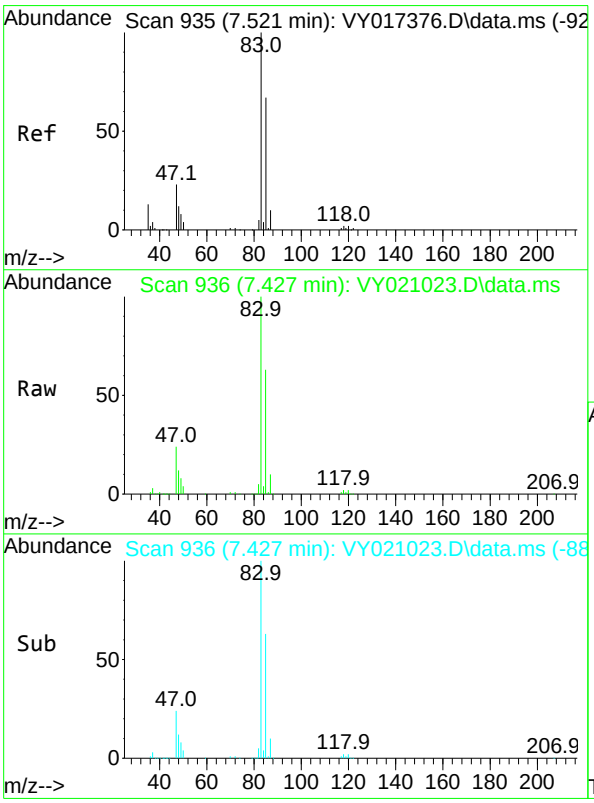
#29
Tetrahydrofuran
Concen: 346.176 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 84863

Ion	Ratio	Lower	Upper
42	100		
72	41.9	39.3	58.9
71	40.3	36.1	54.1

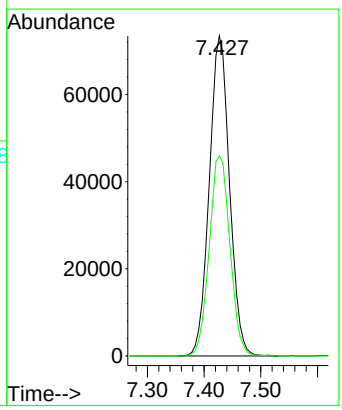


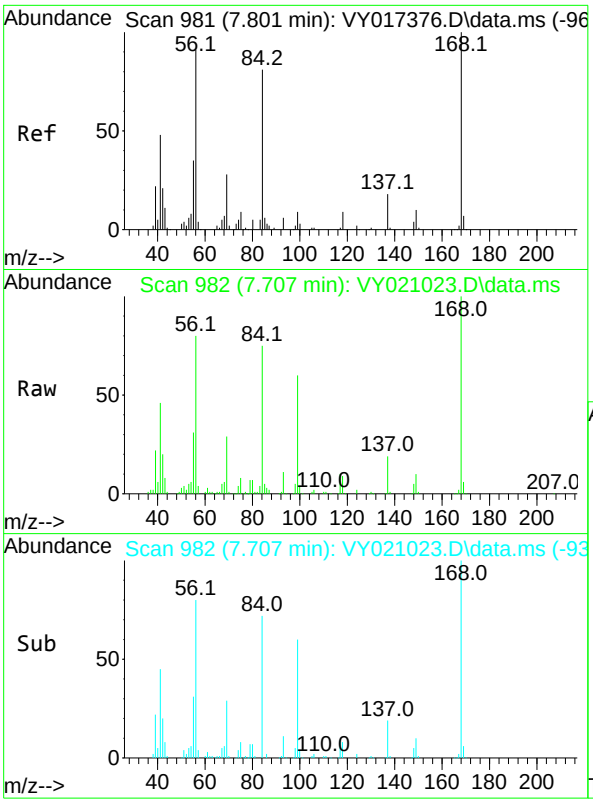


#30
Chloroform
Concen: 59.167 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 181725

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.9	79.3



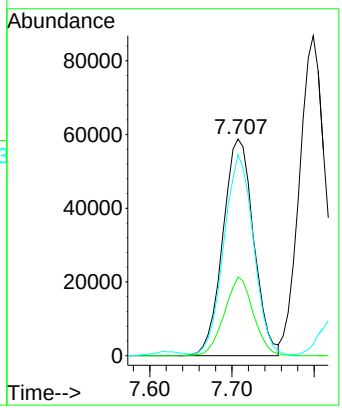


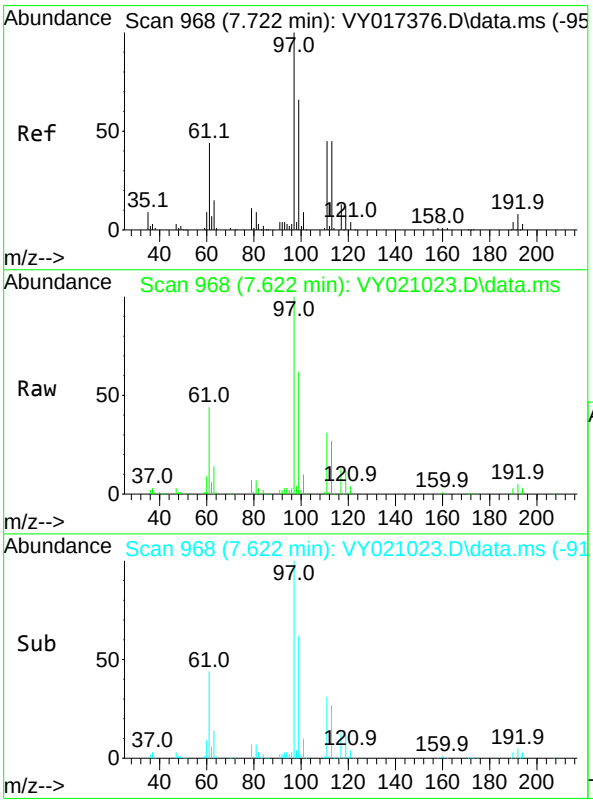
#31
Cyclohexane
Concen: 55.203 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 153013

Ion	Ratio	Lower	Upper
56	100		
69	36.3	27.7	41.5
84	91.5	77.5	116.3

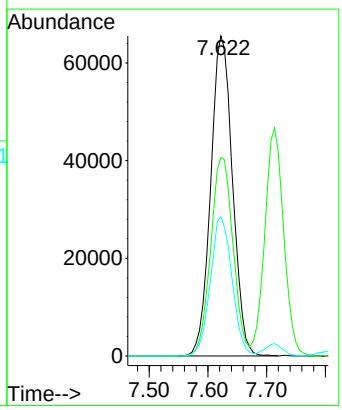


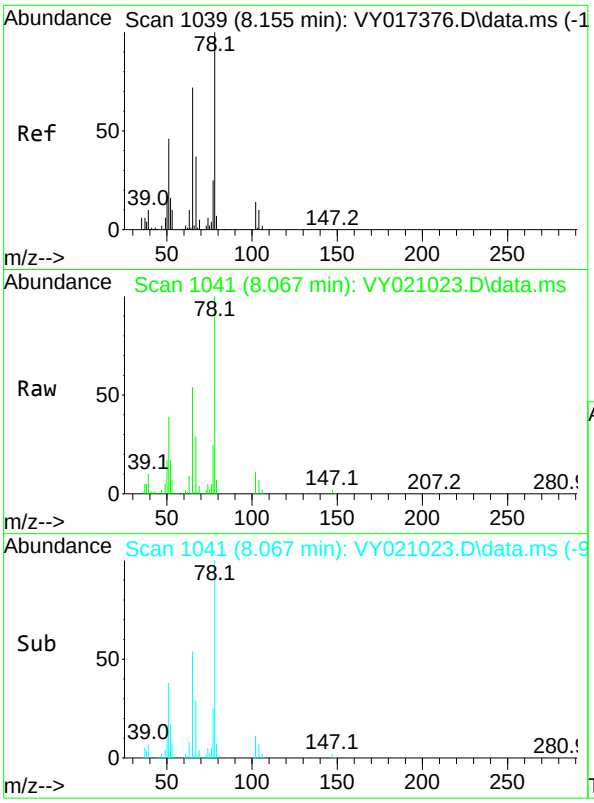


#32
1,1,1-Trichloroethane
Concen: 56.771 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 168751

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	43.3	31.4	47.0



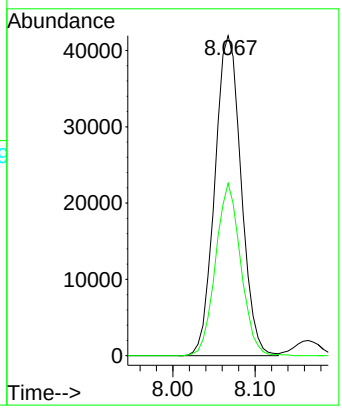


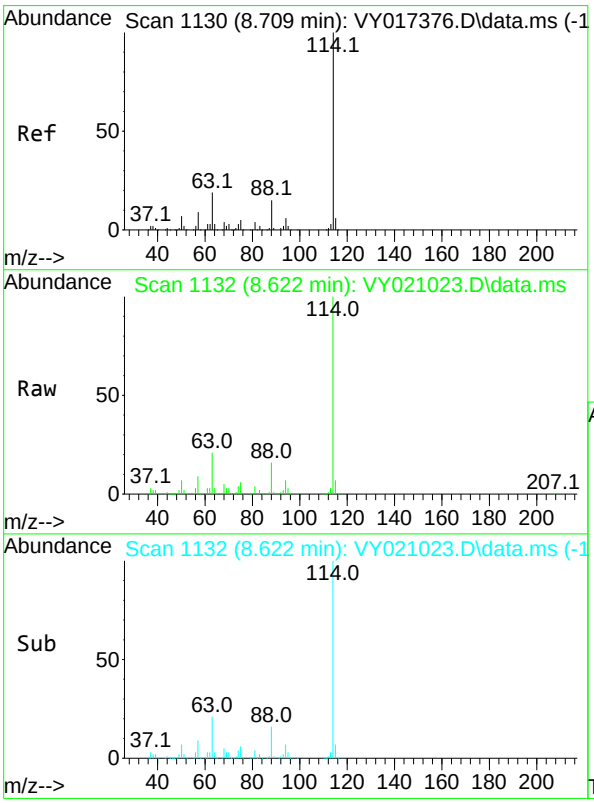
#33
1,2-Dichloroethane-d4
Concen: 59.079 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 93084

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

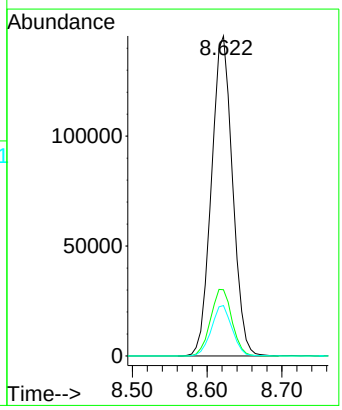


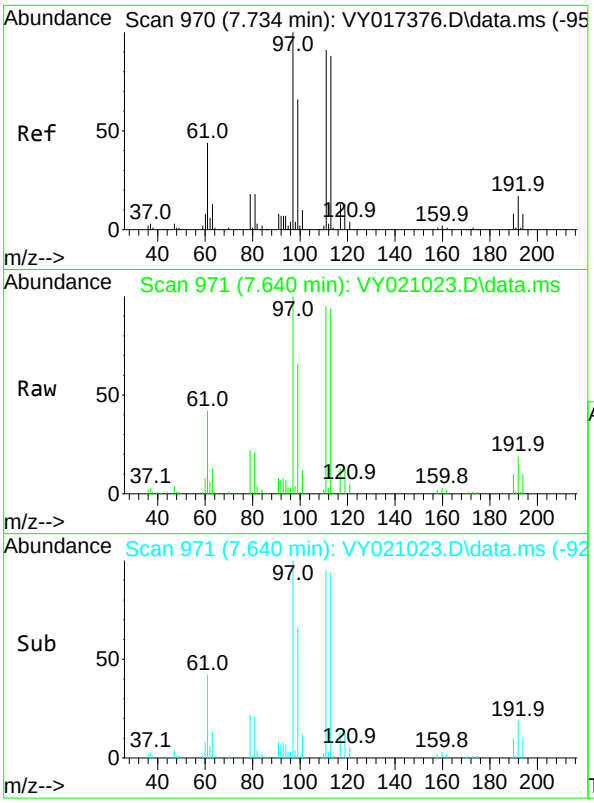


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:114 Resp: 285755

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	37.2
88	15.8	0.0	29.6



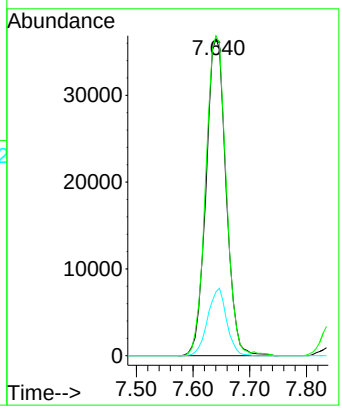


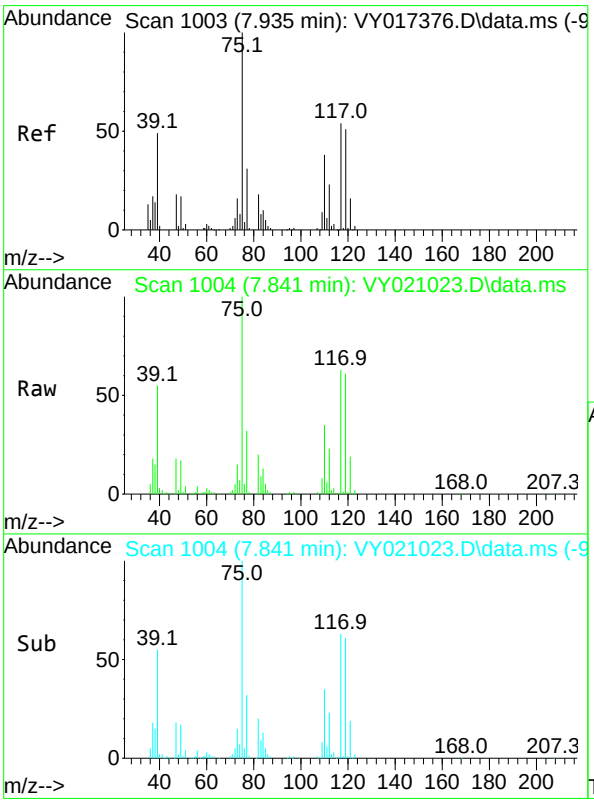
#35
Dibromofluoromethane
Concen: 52.107 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 89515

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	20.0	16.8	25.2

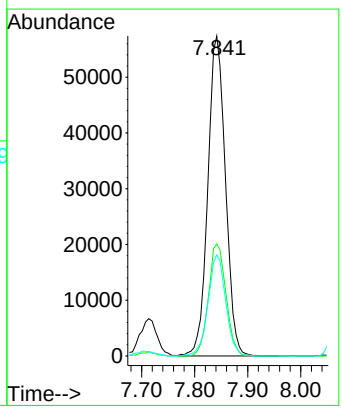


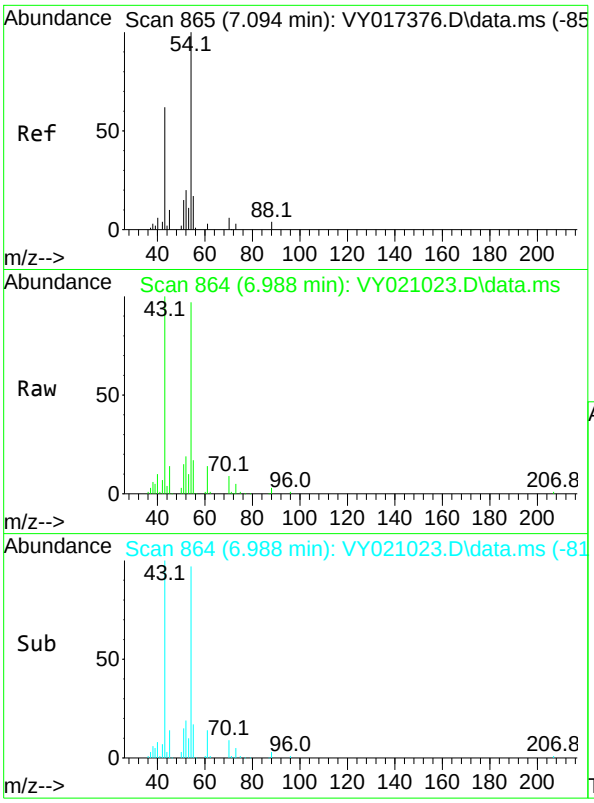


#36
1,1-Dichloropropene
Concen: 54.034 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 132425

Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	55.2
77	31.6	24.9	37.3



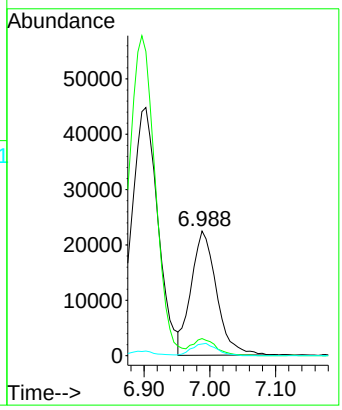


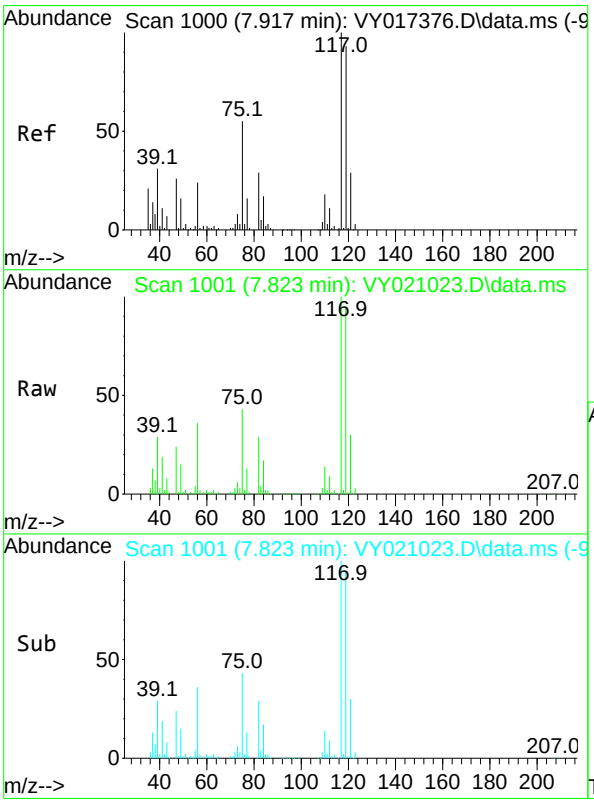
#37
Ethyl Acetate
Concen: 65.852 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 60168

Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.4	17.0
70	9.7	9.6	14.4

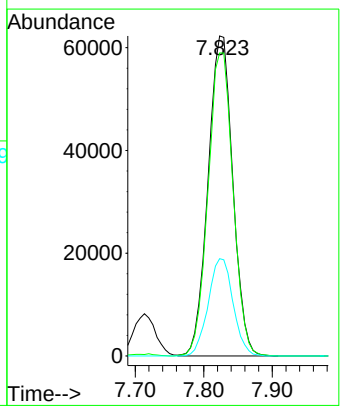


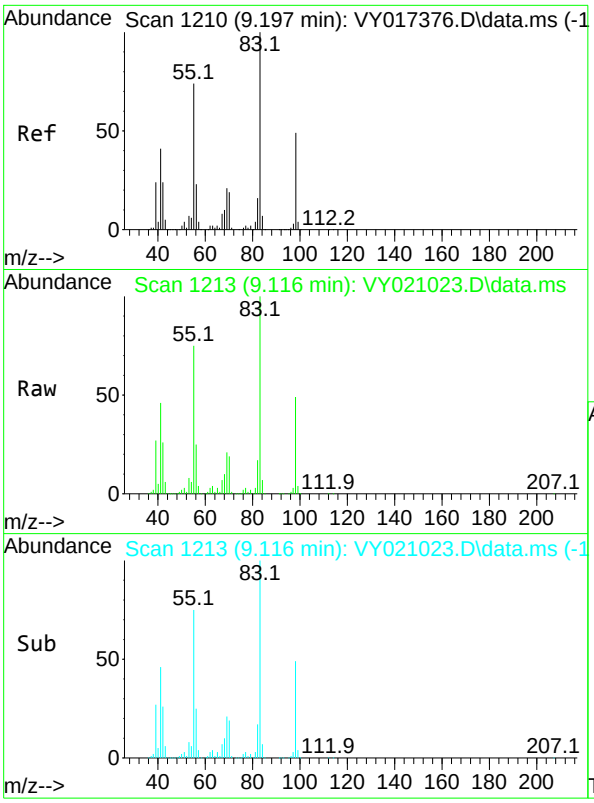


#38
Carbon Tetrachloride
Concen: 51.530 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 156282

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.0	112.6
121	30.4	24.2	36.2



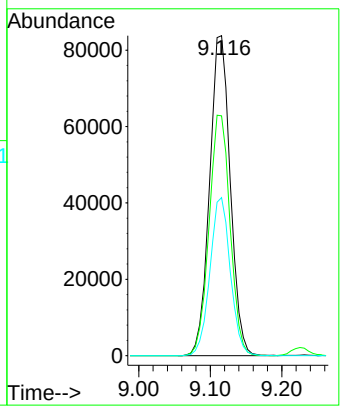


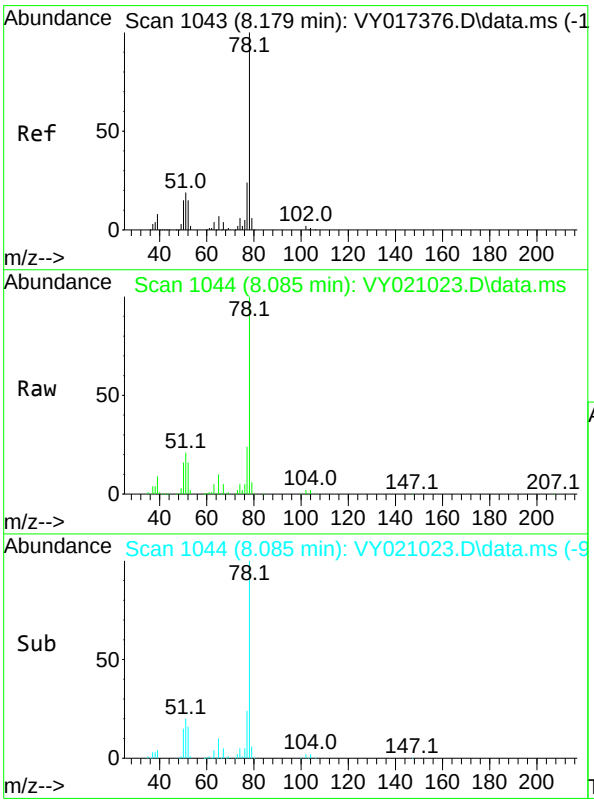
#39
Methylcyclohexane
Concen: 51.064 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 168118

Ion	Ratio	Lower	Upper
83	100		
55	75.0	54.9	82.3
98	49.4	40.5	60.7

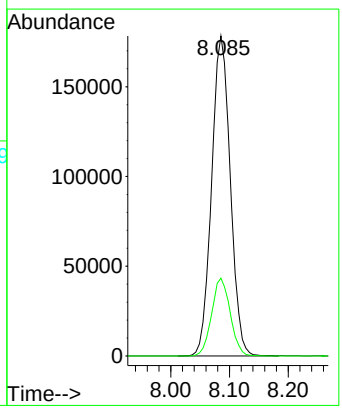


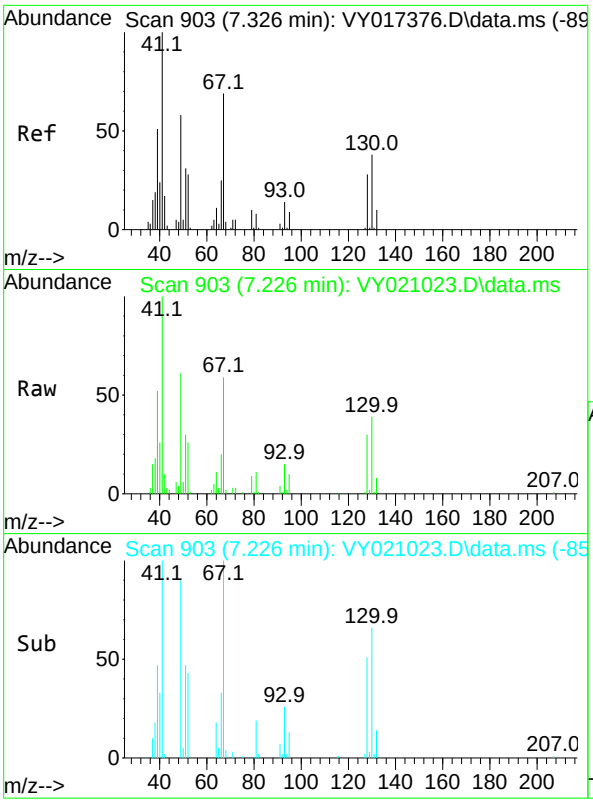


#40
Benzene
Concen: 54.594 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 78 Resp: 393690

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.2



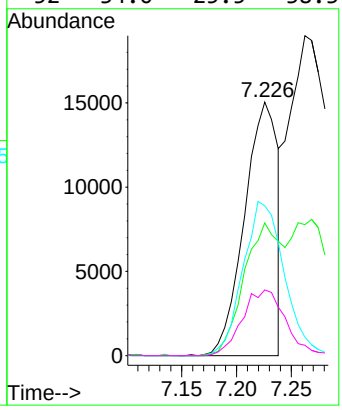


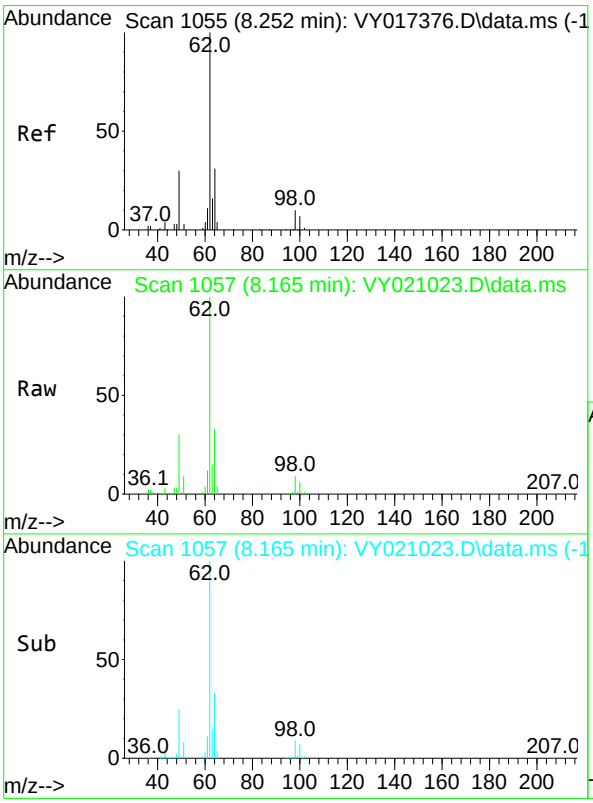
#41
Methacrylonitrile
Concen: 62.707 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 31701

Ion	Ratio	Lower	Upper
41	100		
39	60.9	41.6	62.4
67	75.8	63.8	95.6
52	34.0	25.5	38.3

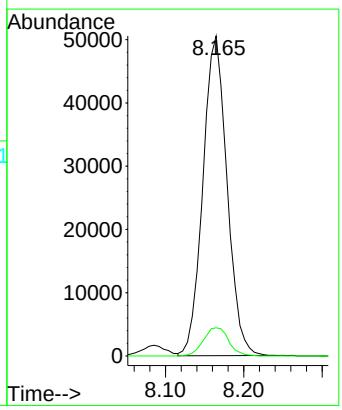


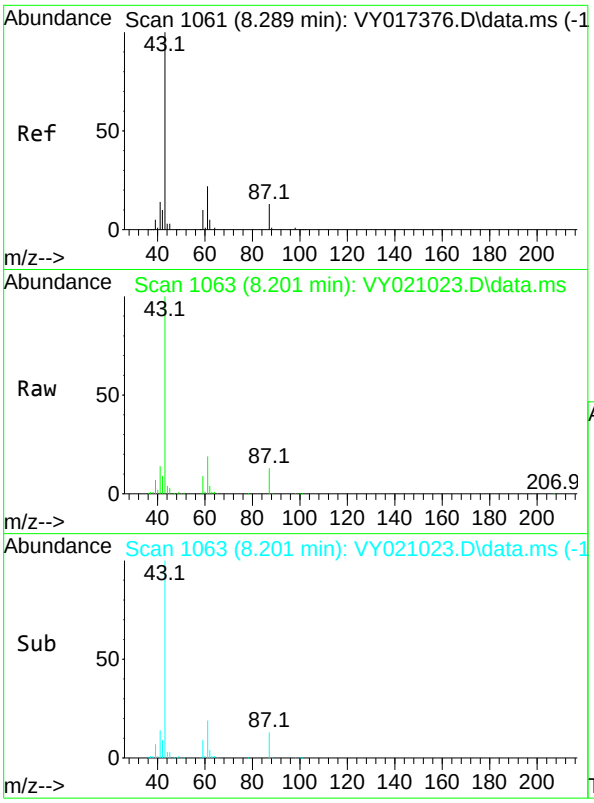


#42
1,2-Dichloroethane
Concen: 59.191 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 108251

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4



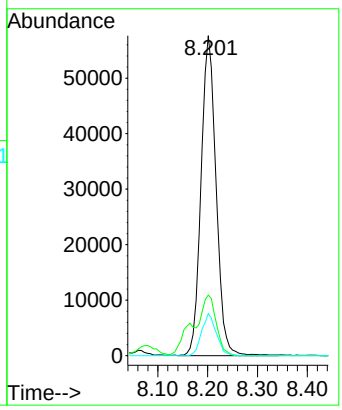


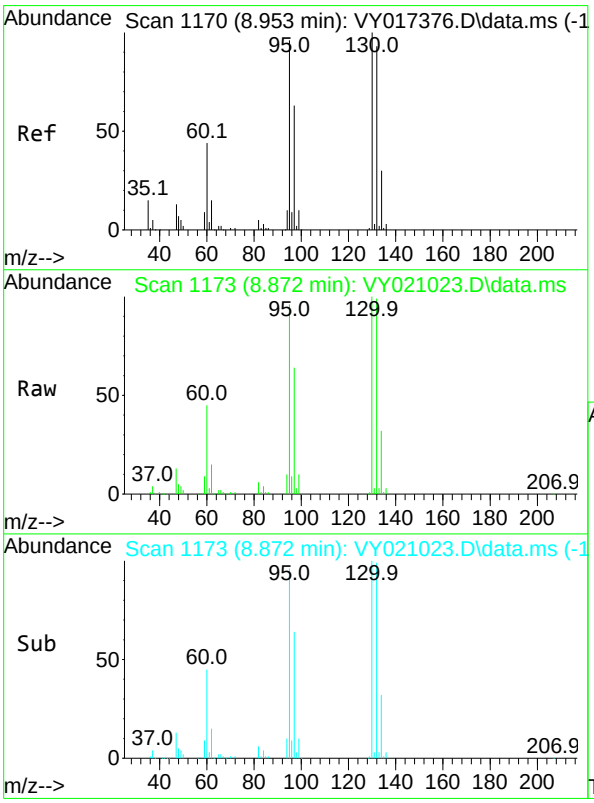
#43
Isopropyl Acetate
Concen: 66.087 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 120630

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.6
87	12.8	12.5	18.7

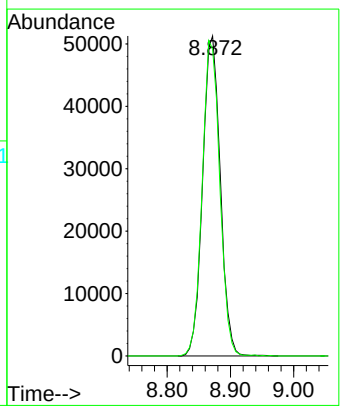


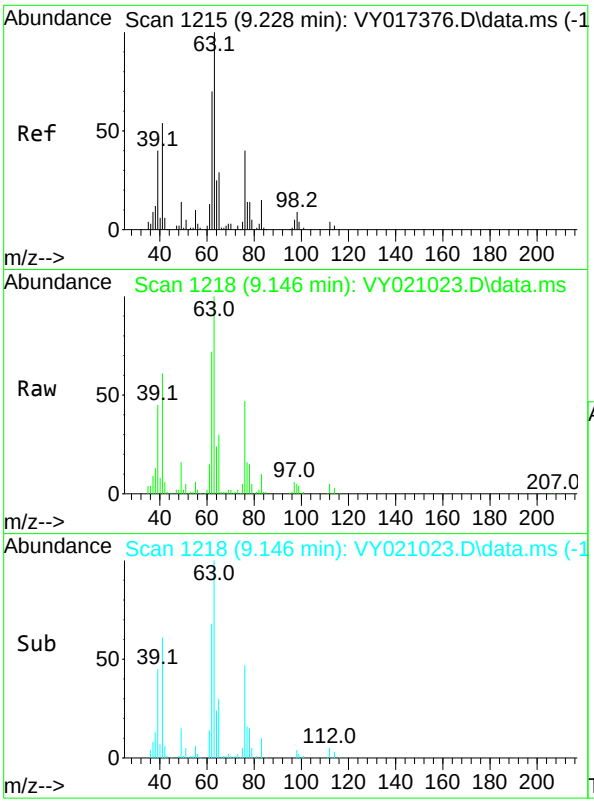


#44
Trichloroethene
Concen: 50.121 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:130 Resp: 99733

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	189.6



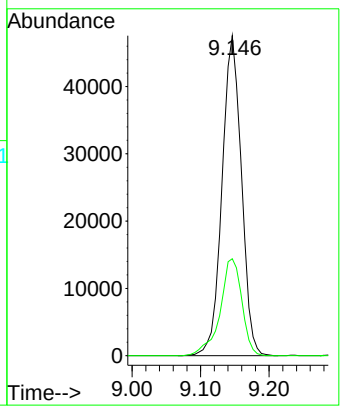


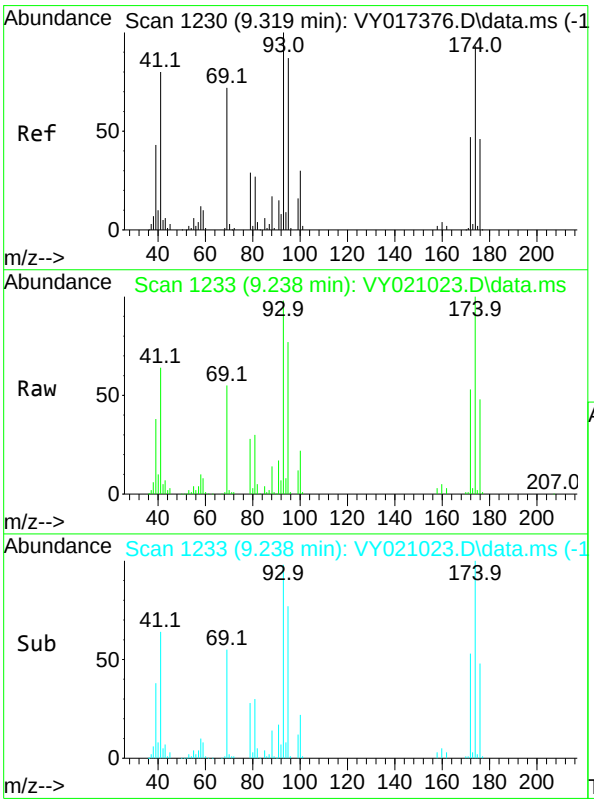
#45
1,2-Dichloropropane
Concen: 57.754 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 93348

Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.6	35.4

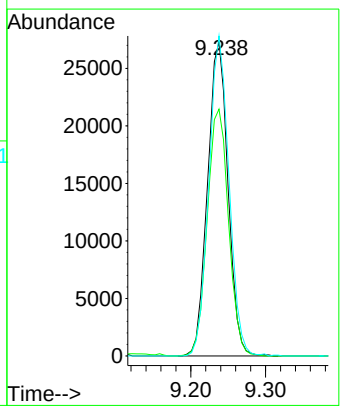


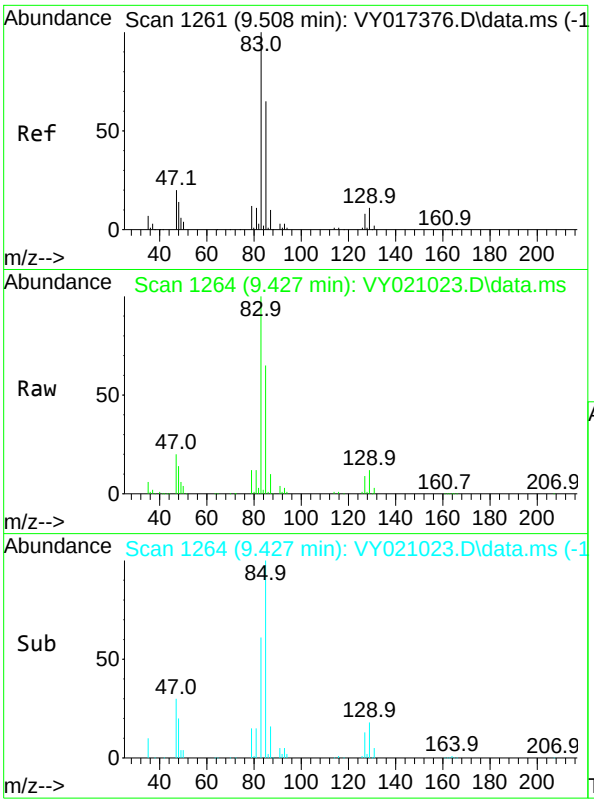


#46
Dibromomethane
Concen: 55.001 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 93 Resp: 51734

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.8
174	100.9	88.1	132.1



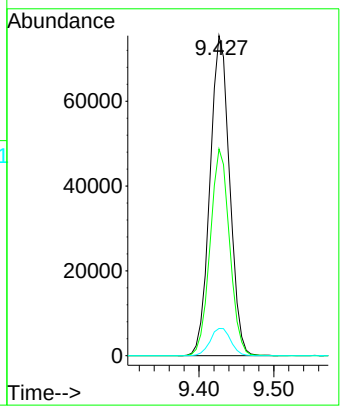


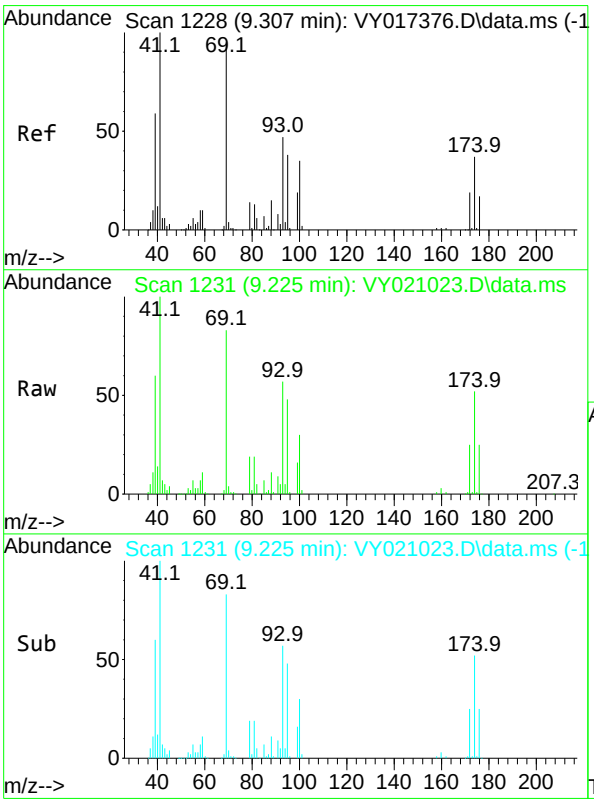
#47
Bromodichloromethane
Concen: 55.807 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 137852

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.6	74.4
127	8.5	7.1	10.7

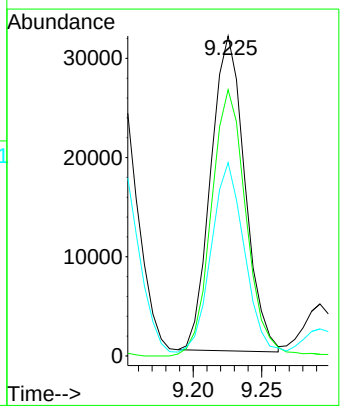


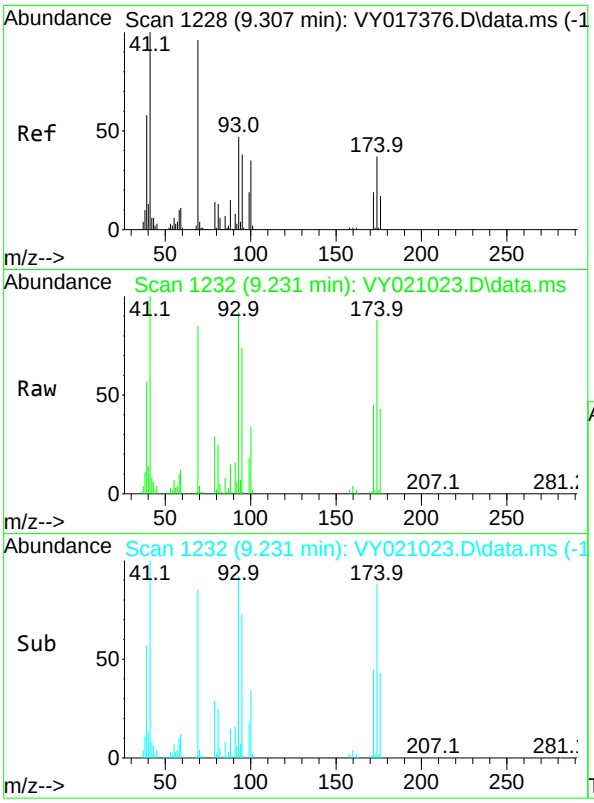


#48
Methyl methacrylate
Concen: 63.113 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 54848

Ion	Ratio	Lower	Upper
41	100		
69	87.0	75.6	113.4
39	58.6	41.3	61.9



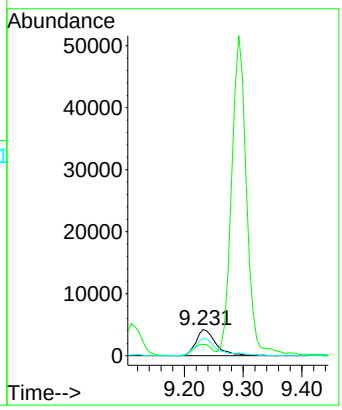


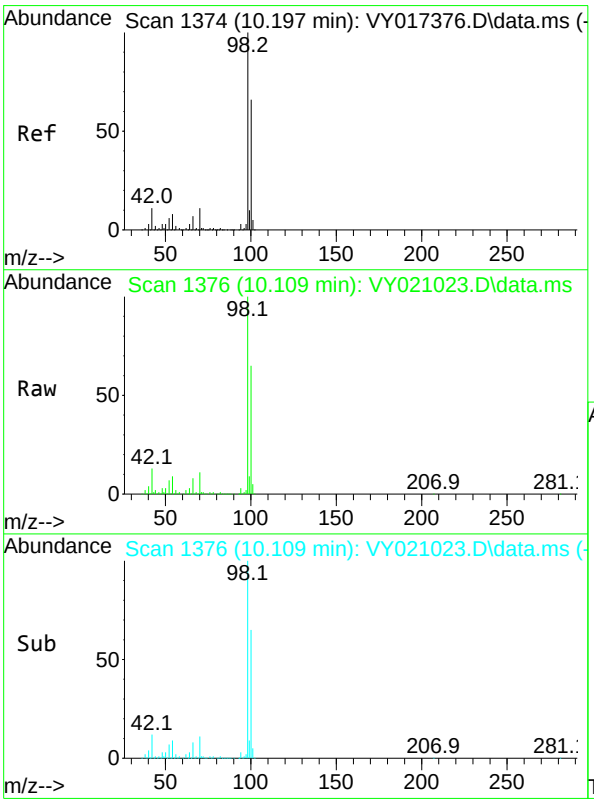
#49
1,4-Dioxane
Concen: 1003.514 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 10030

Ion	Ratio	Lower	Upper
88	100		
43	40.4	24.2	36.4#
58	67.0	57.3	85.9

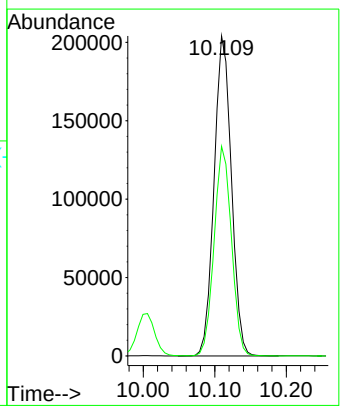


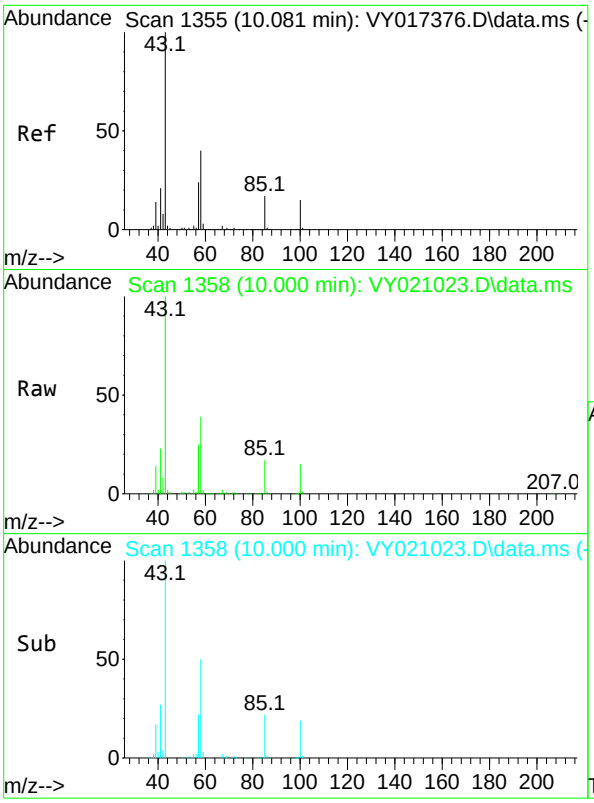


#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 98 Resp: 343592

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0



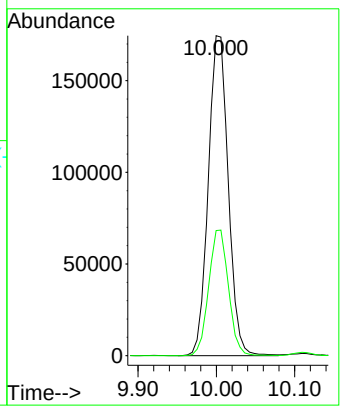


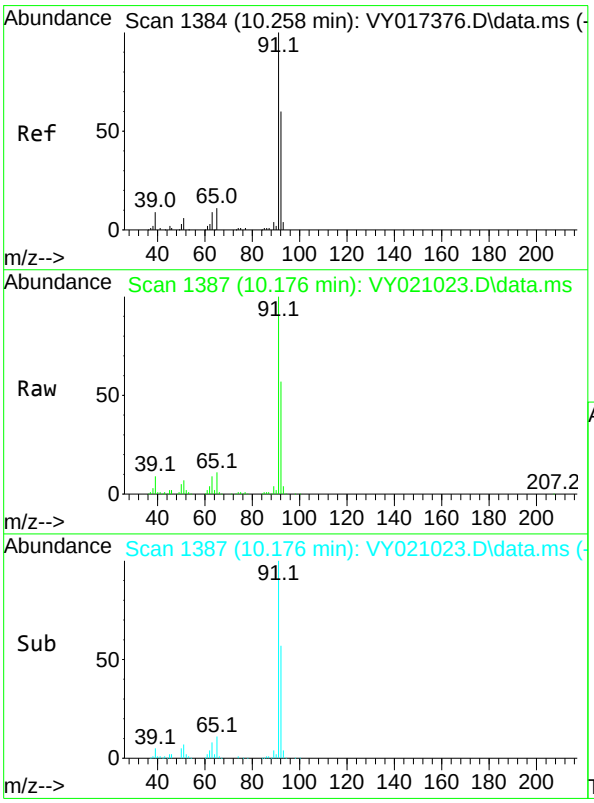
#51
4-Methyl-2-Pentanone
Concen: 329.038 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 308616

Ion	Ratio	Lower	Upper
43	100		
58	39.0	33.8	50.8

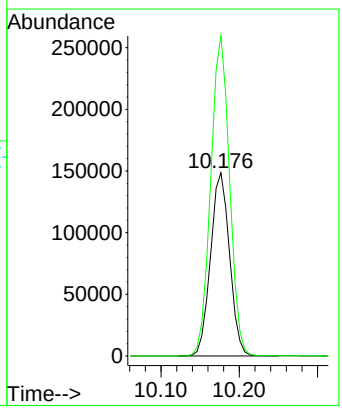


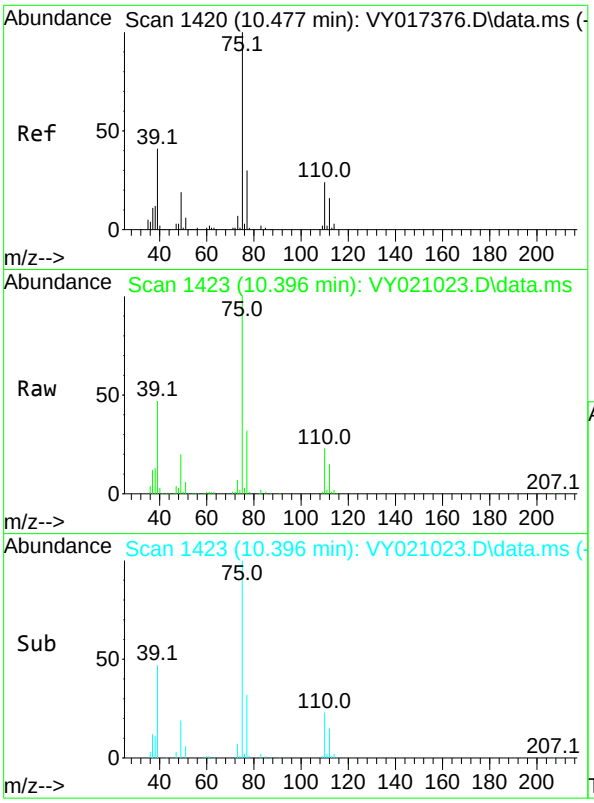


#52
Toluene
Concen: 53.469 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 92 Resp: 250280

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.8	203.8



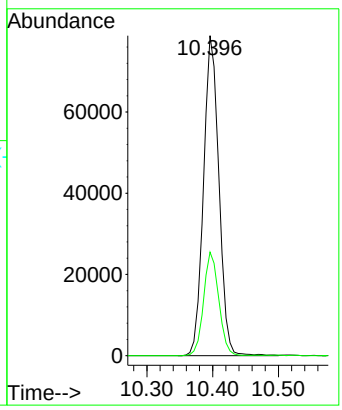


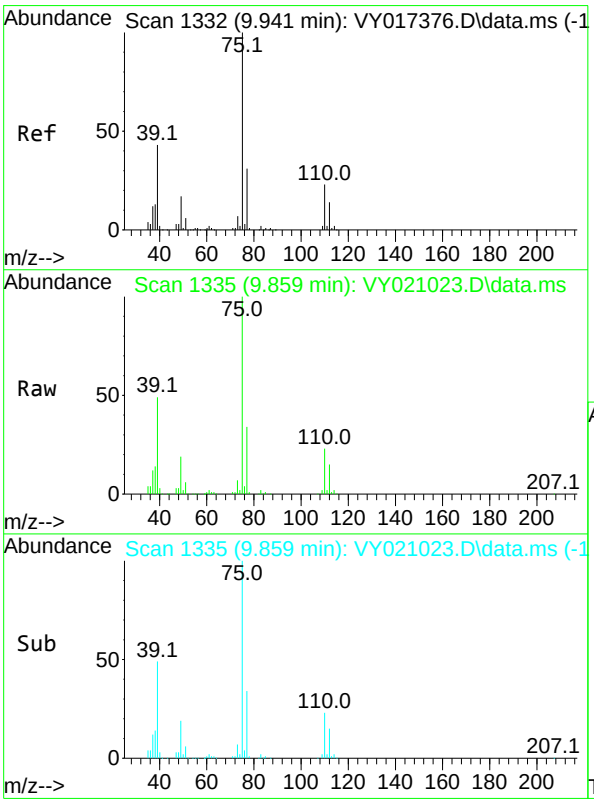
#53
t-1,3-Dichloropropene
Concen: 57.403 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 128314

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9

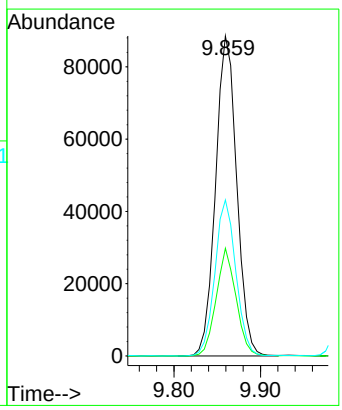


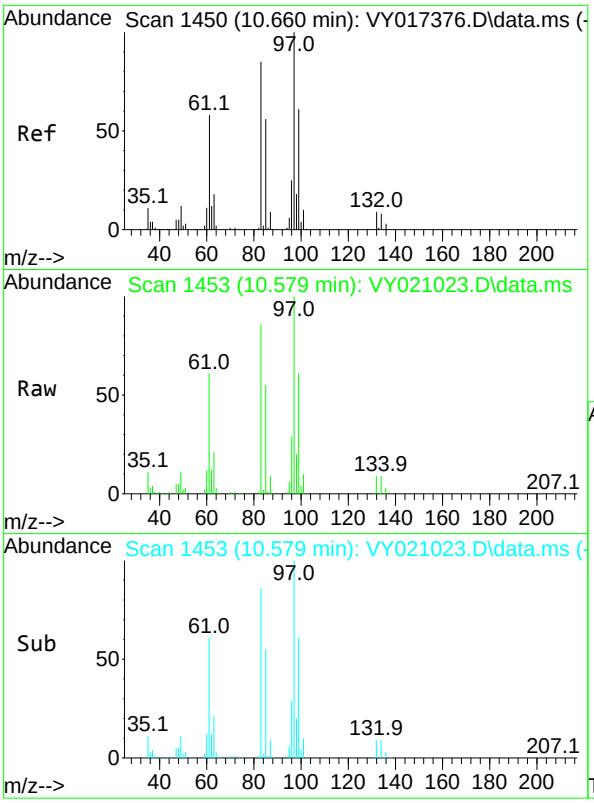


#54
cis-1,3-Dichloropropene
Concen: 56.133 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 149965

Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.4	38.0
39	48.7	32.2	48.2#



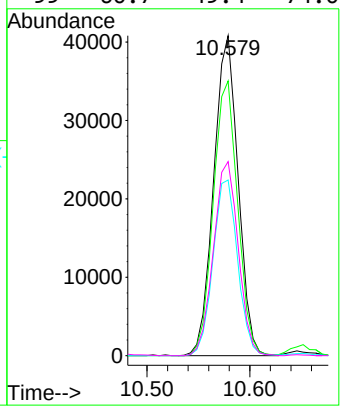


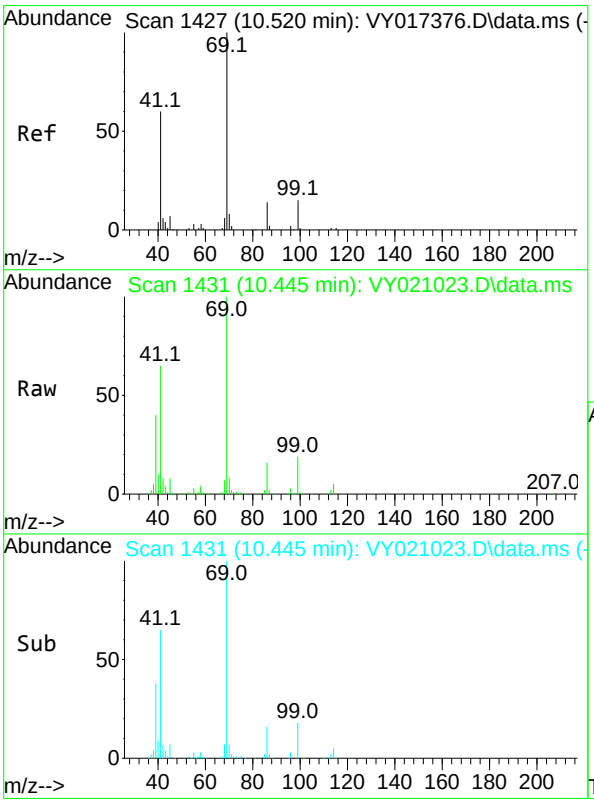
#55
1,1,2-Trichloroethane
Concen: 53.761 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 67249

Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.7	101.5
85	54.9	43.4	65.2
99	60.7	49.4	74.0

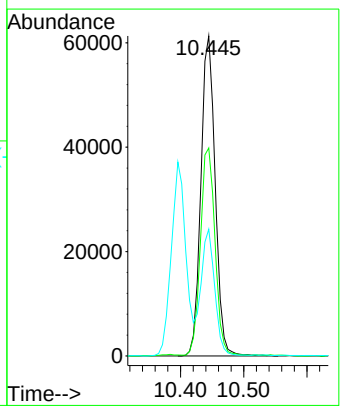


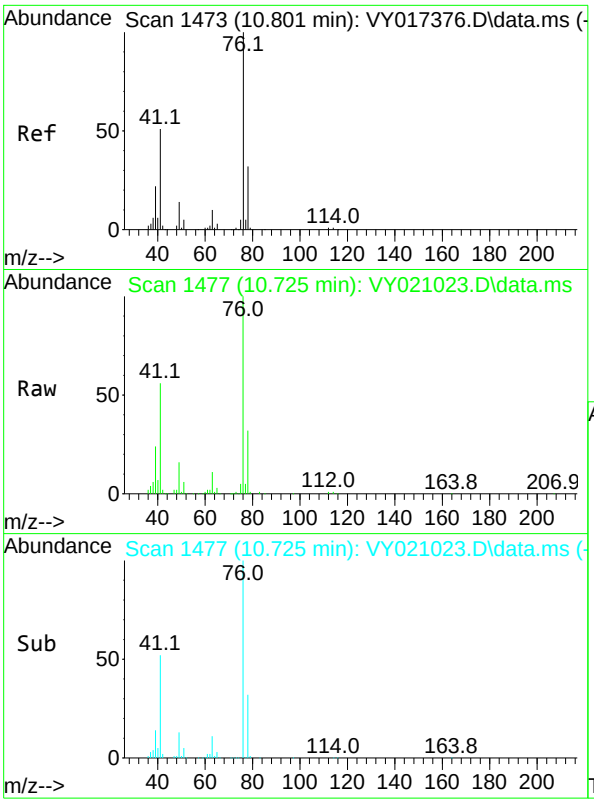


#56
Ethyl methacrylate
Concen: 59.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 69 Resp: 96579

Ion	Ratio	Lower	Upper
69	100		
41	65.9	46.3	69.5
39	38.2	24.5	36.7#



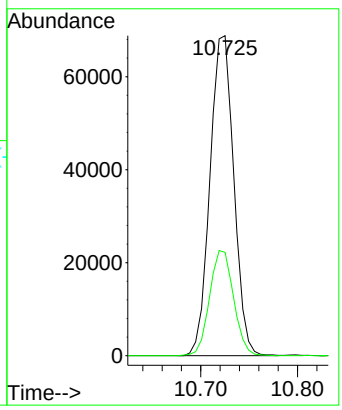


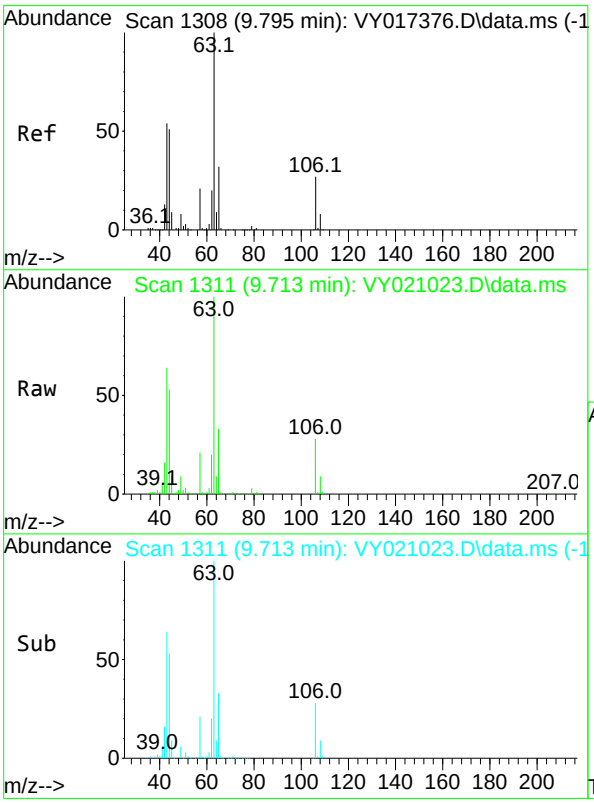
#57
1,3-Dichloropropane
Concen: 55.483 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 117634

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.6

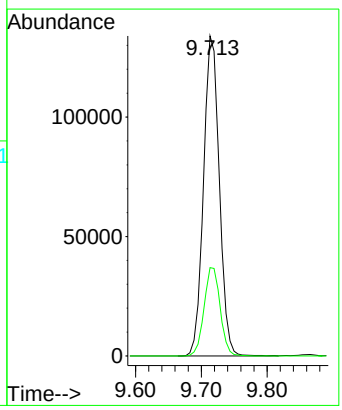


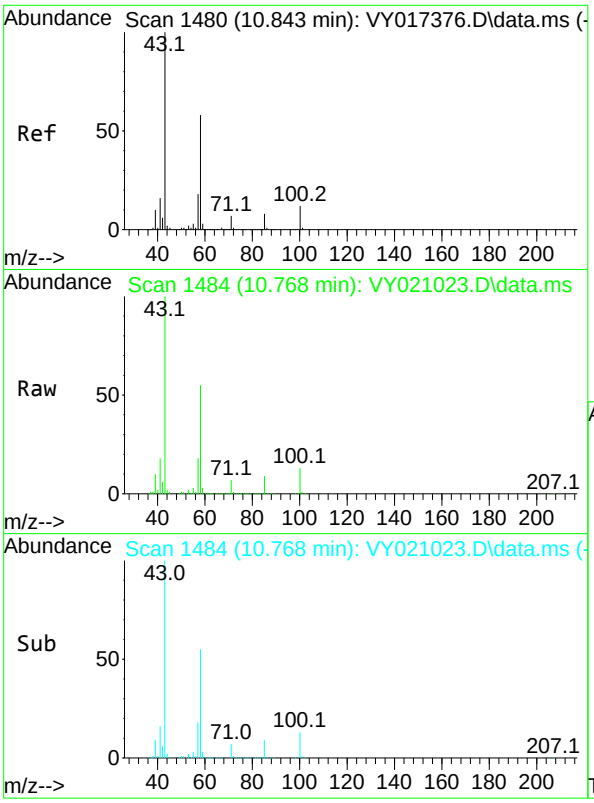


#58
2-Chloroethyl Vinyl ether
Concen: 322.966 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 224134

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.7	37.1



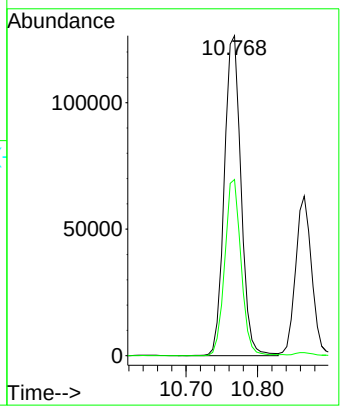


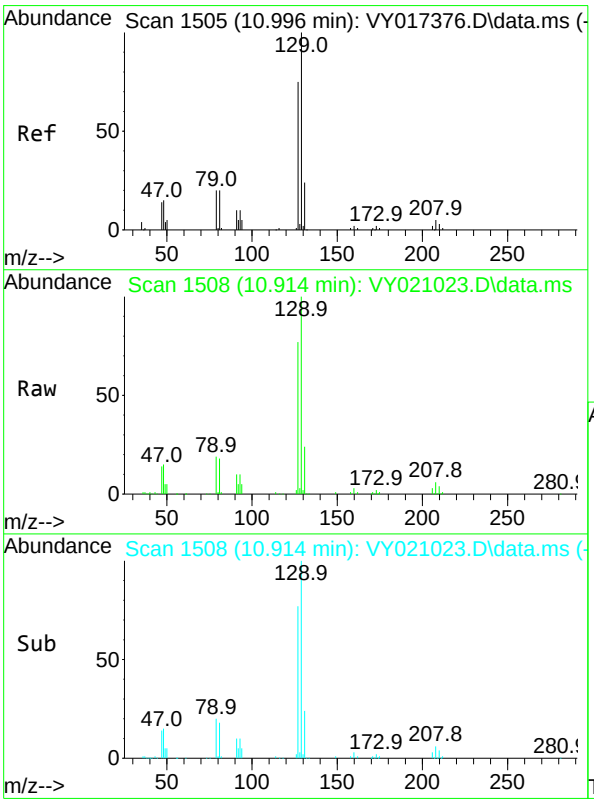
#59
2-Hexanone
Concen: 336.612 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 205217

Ion	Ratio	Lower	Upper
43	100		
58	53.8	29.8	89.3

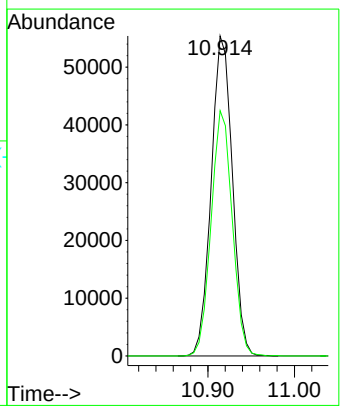


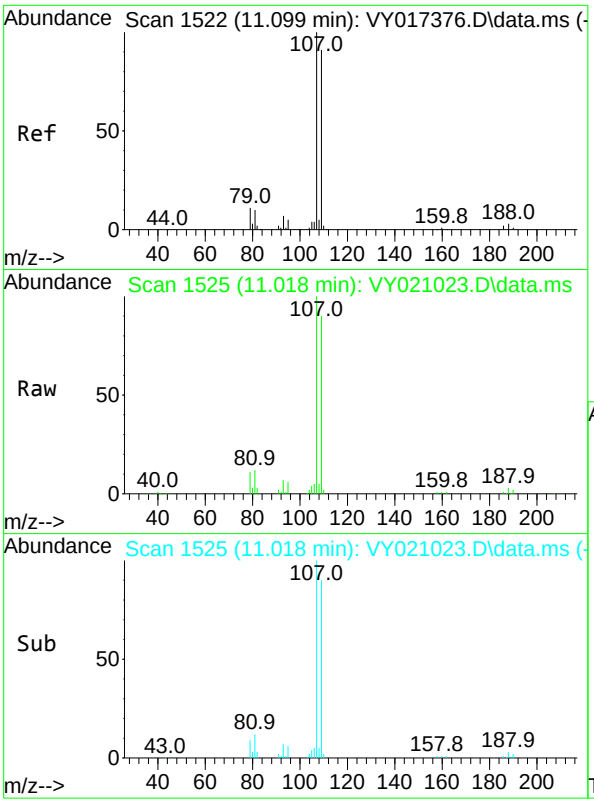


#60
Dibromochloromethane
Concen: 52.680 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:129 Resp: 93957

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3



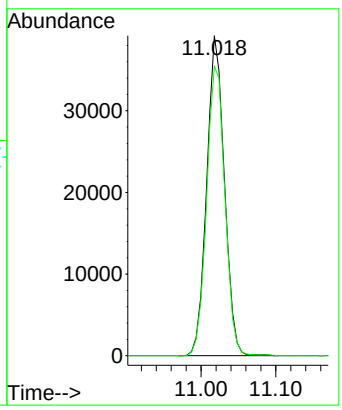


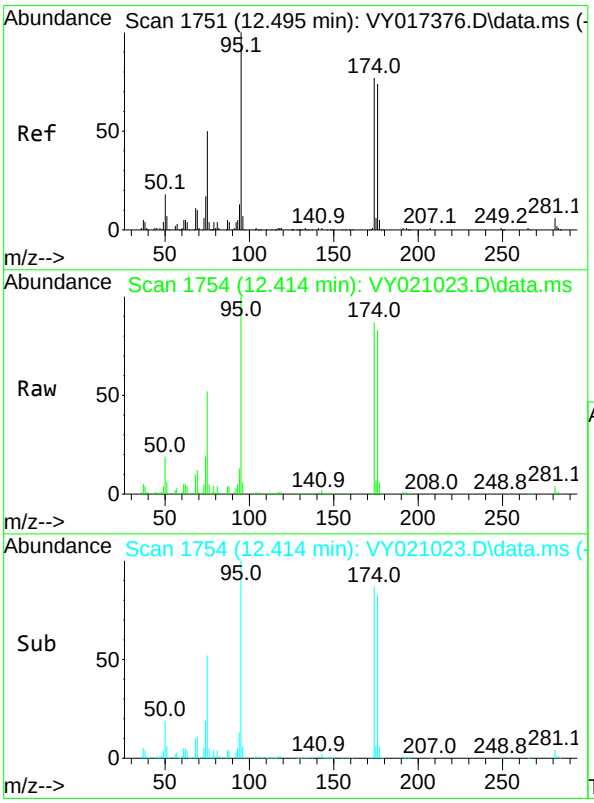
#61
1,2-Dibromoethane
Concen: 53.845 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 64333

Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.6	114.8

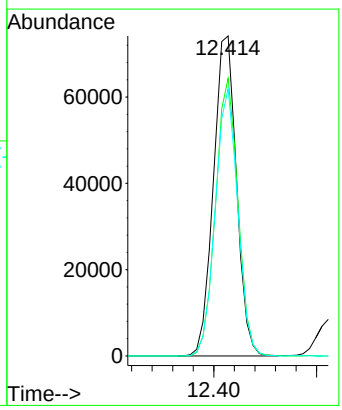


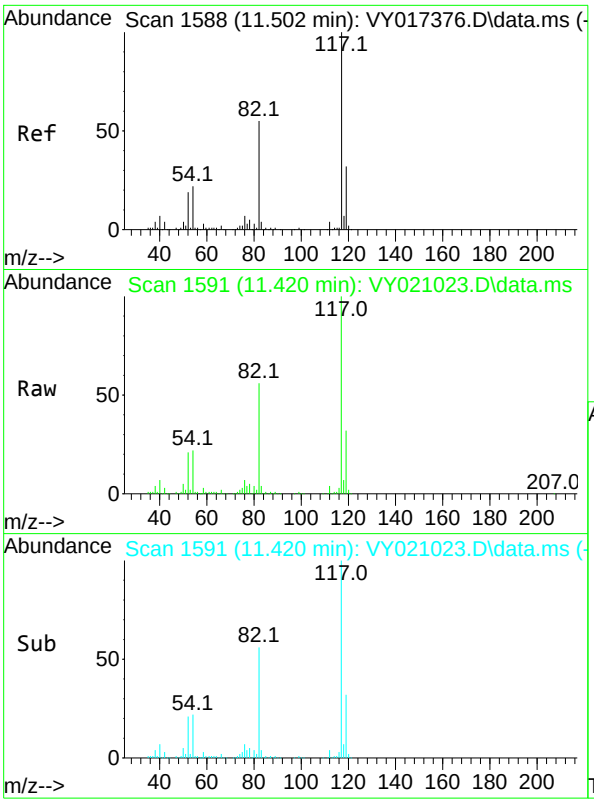


#62
4-Bromofluorobenzene
Concen: 51.200 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 95 Resp: 115197

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	181.2
176	81.5	0.0	175.2



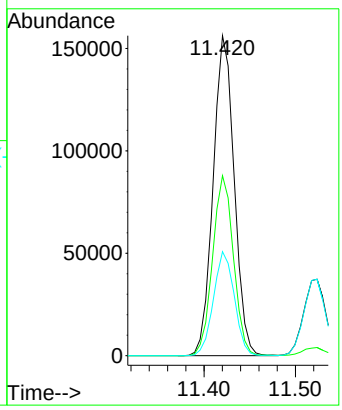


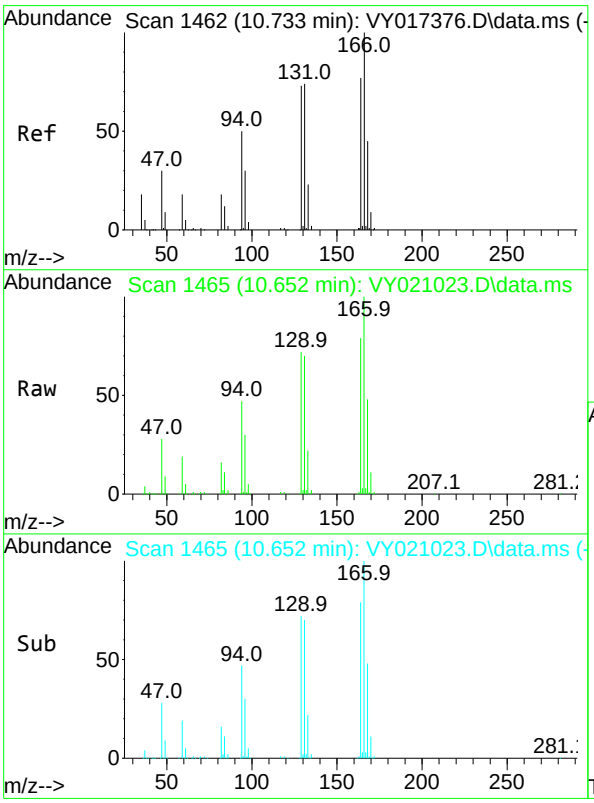
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 250150

Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.2	66.2
119	32.5	25.9	38.9

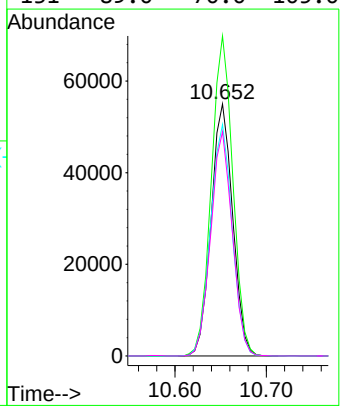


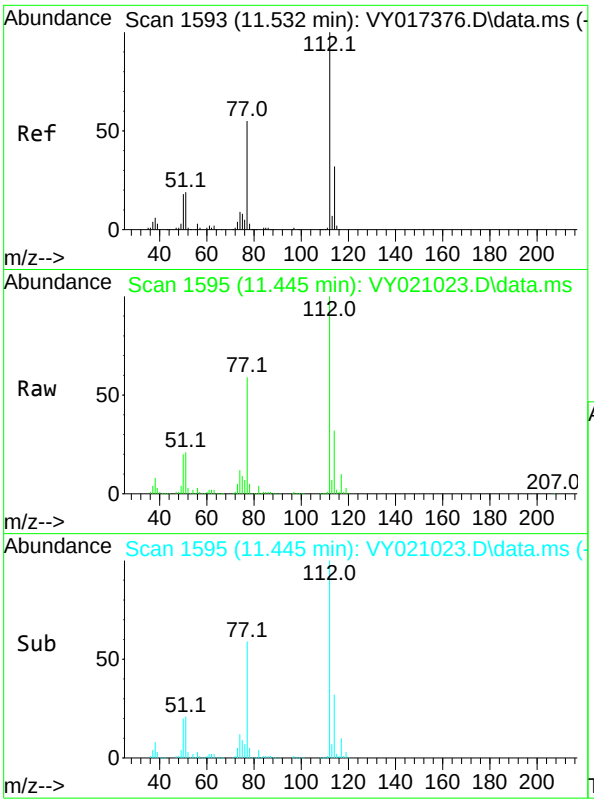


#64
Tetrachloroethene
Concen: 47.817 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:164 Resp: 90228

Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.4	150.6
129	91.8	70.8	106.2
131	89.0	70.0	105.0



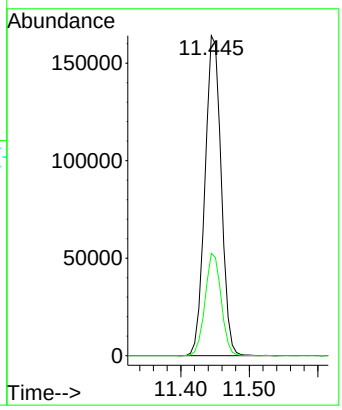


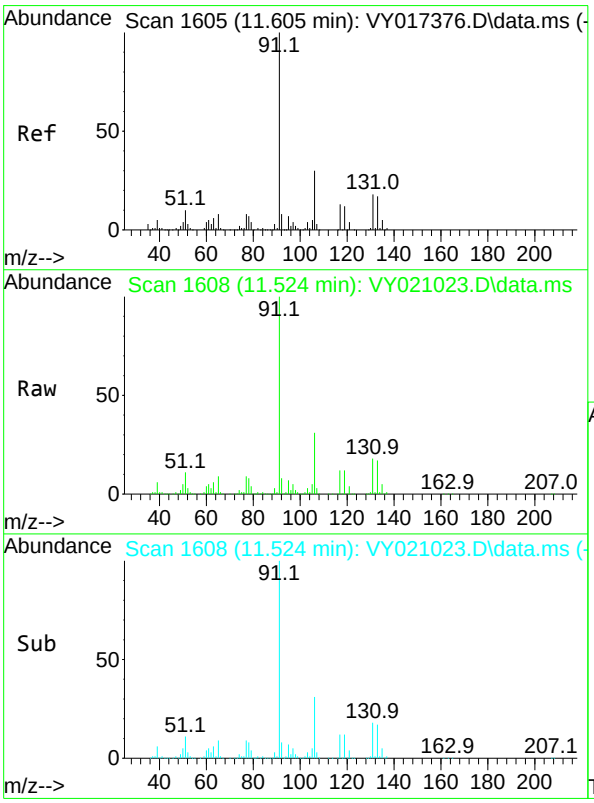
#65
Chlorobenzene
Concen: 51.263 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 270176

Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.6	37.0

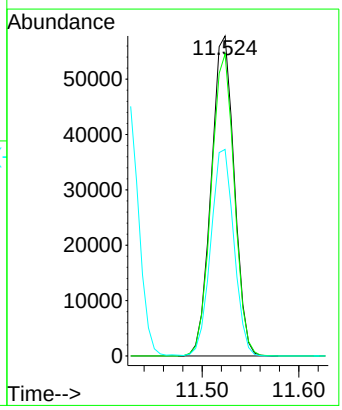


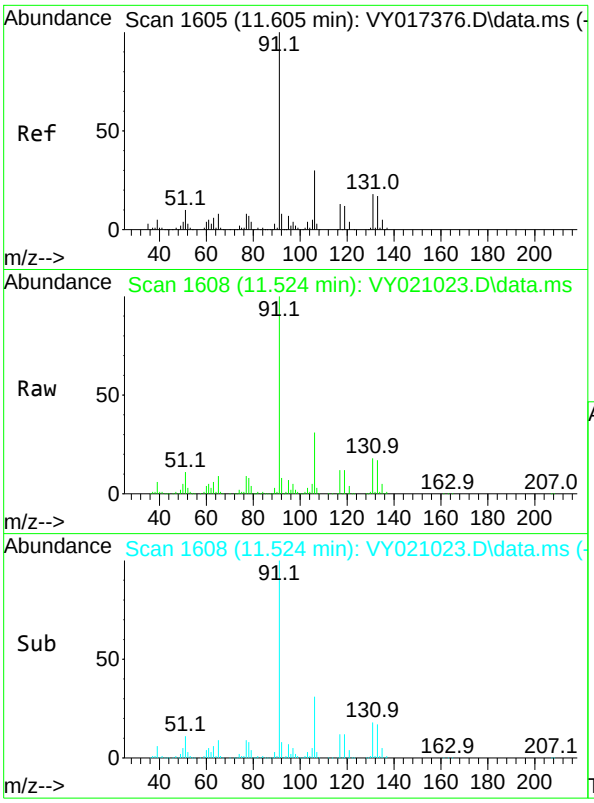


#66
1,1,1,2-Tetrachloroethane
Concen: 51.137 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:131 Resp: 95653

Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.7	146.1
119	64.7	31.4	94.3



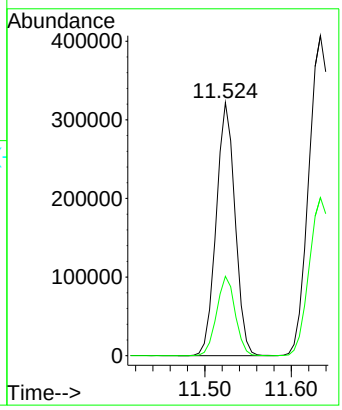


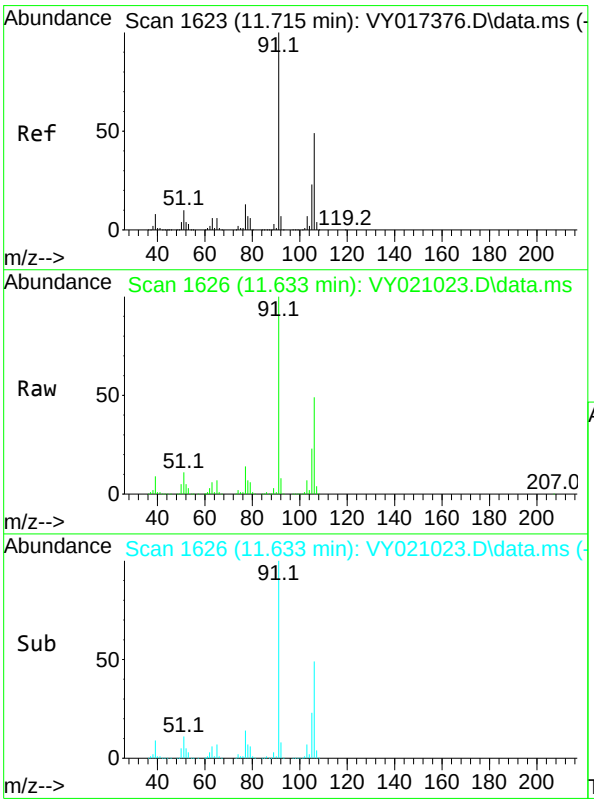
#67
Ethyl Benzene
Concen: 53.265 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 486059

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3

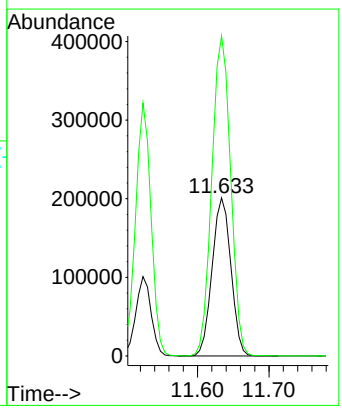


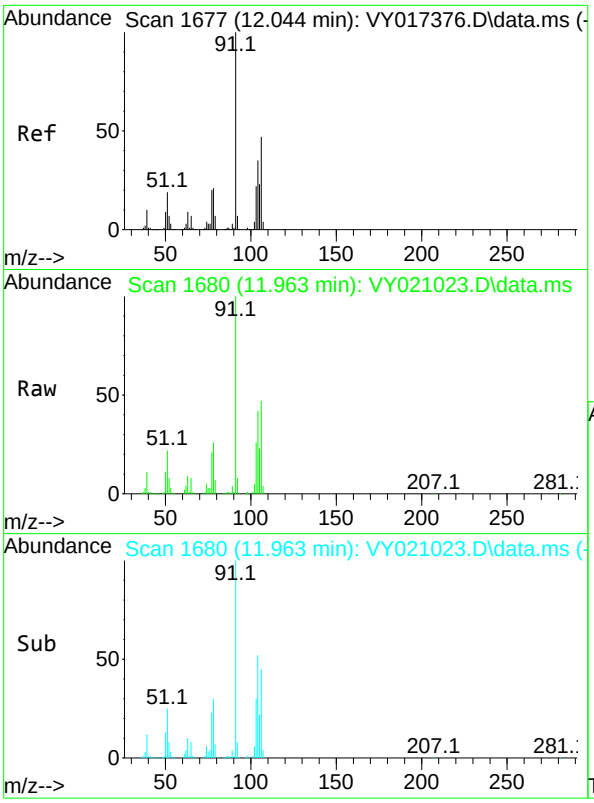


#68
m/p-Xylenes
Concen: 104.538 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 366509

Ion	Ratio	Lower	Upper
106	100		
91	203.4	160.0	240.0



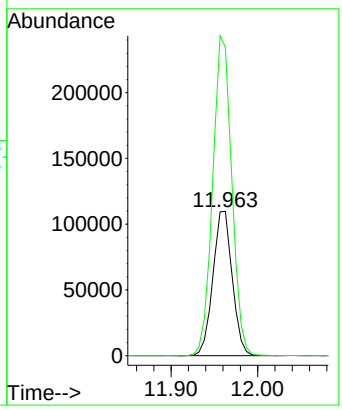


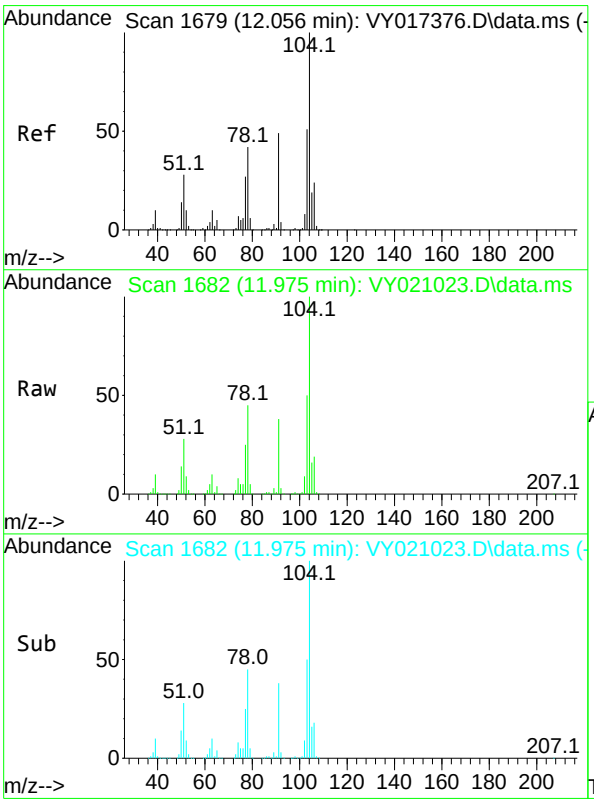
#69
o-Xylene
Concen: 52.229 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 170229

Ion	Ratio	Lower	Upper
106	100		
91	218.8	105.8	317.6

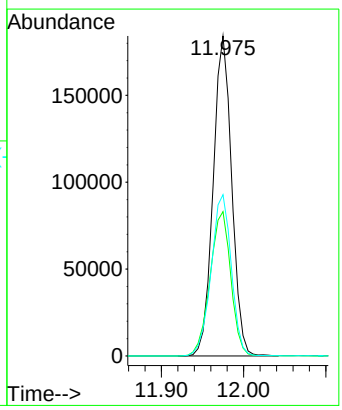


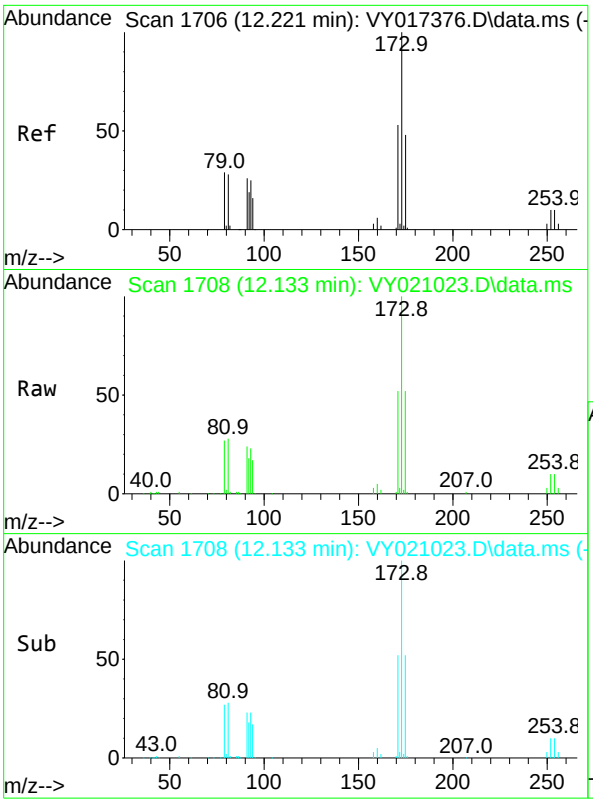


#70
Styrene
Concen: 53.426 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:104 Resp: 289102

Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.0	58.4
103	55.0	43.7	65.5



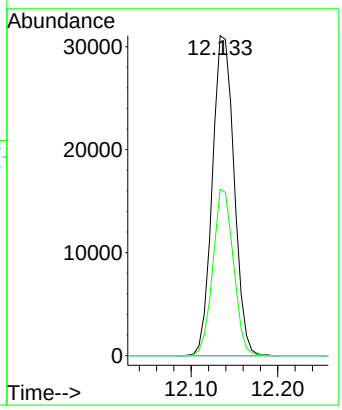


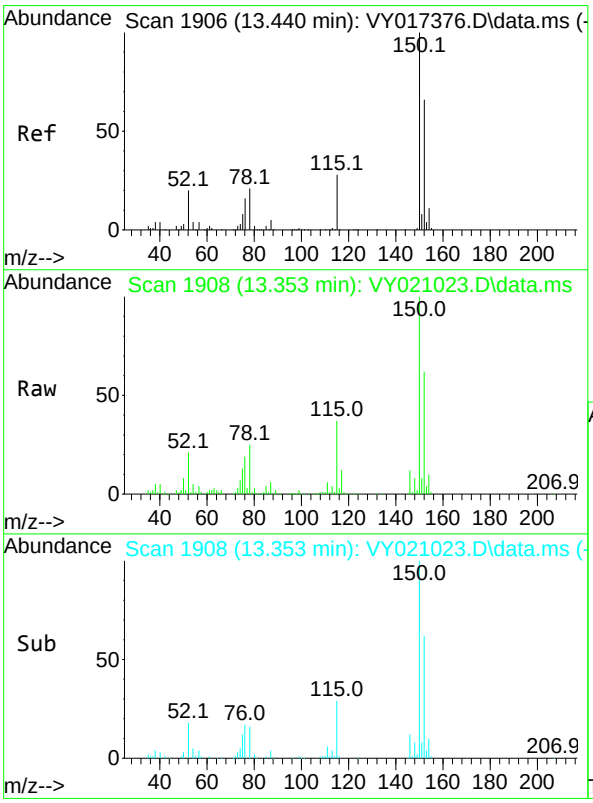
#71
Bromoform
Concen: 49.101 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 54130

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0

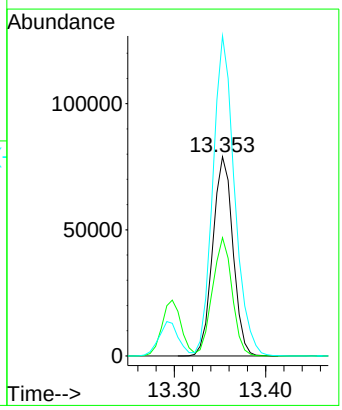


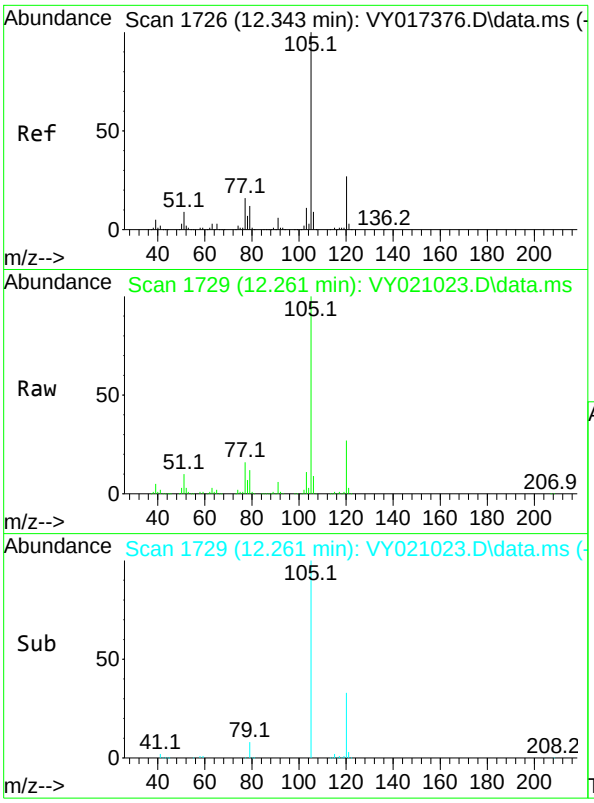


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:152 Resp: 121069

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.4	85.2
150	172.6	0.0	342.8



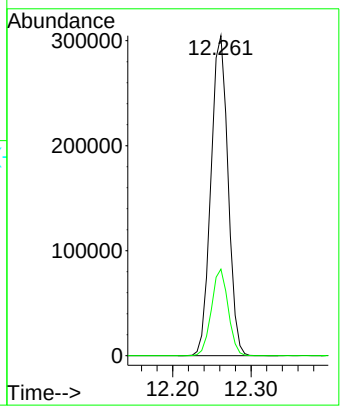


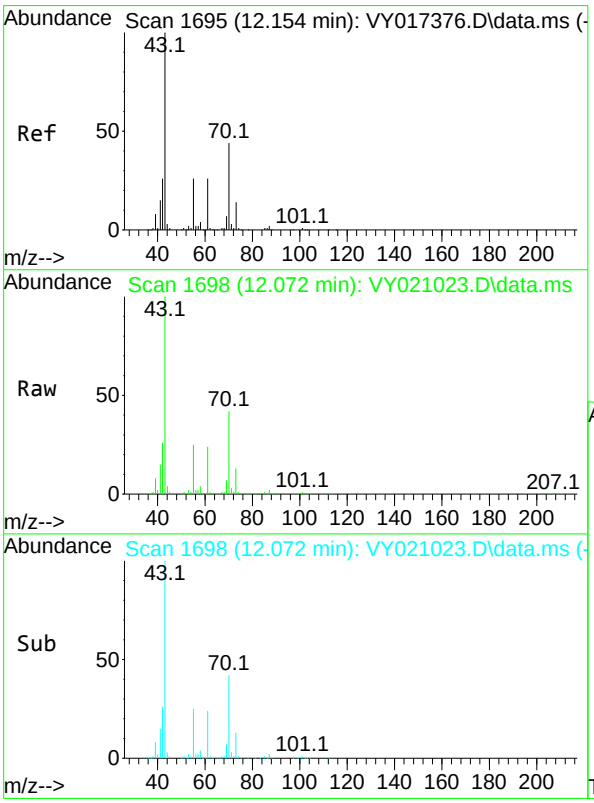
#73
Isopropylbenzene
Concen: 54.240 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 461198

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2

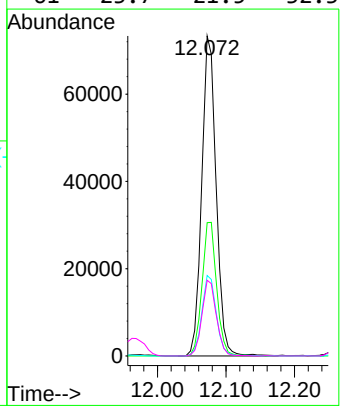


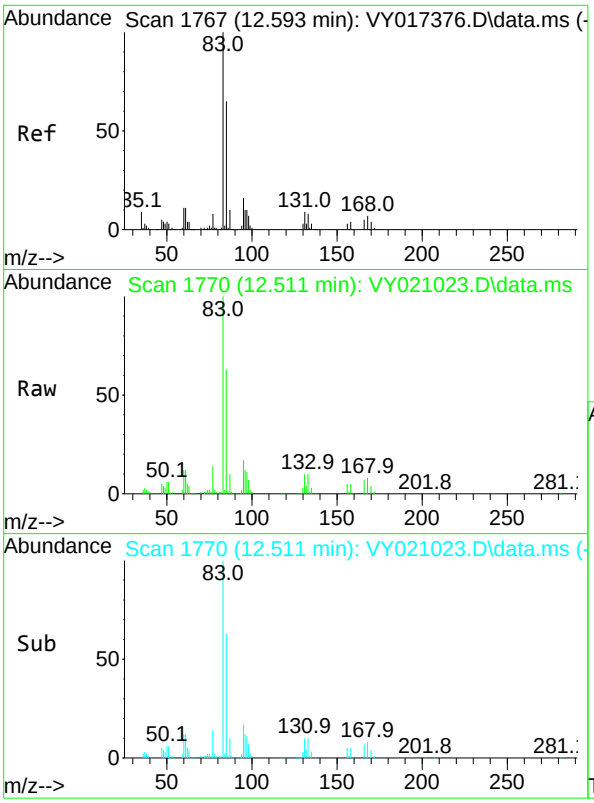


#74
N-amyl acetate
Concen: 69.346 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 107371

Ion	Ratio	Lower	Upper
43	100		
70	42.3	39.3	58.9
55	25.3	22.3	33.5
61	23.7	21.5	32.3



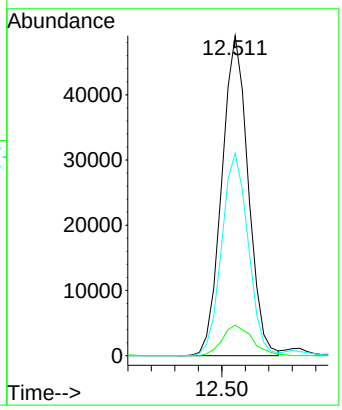


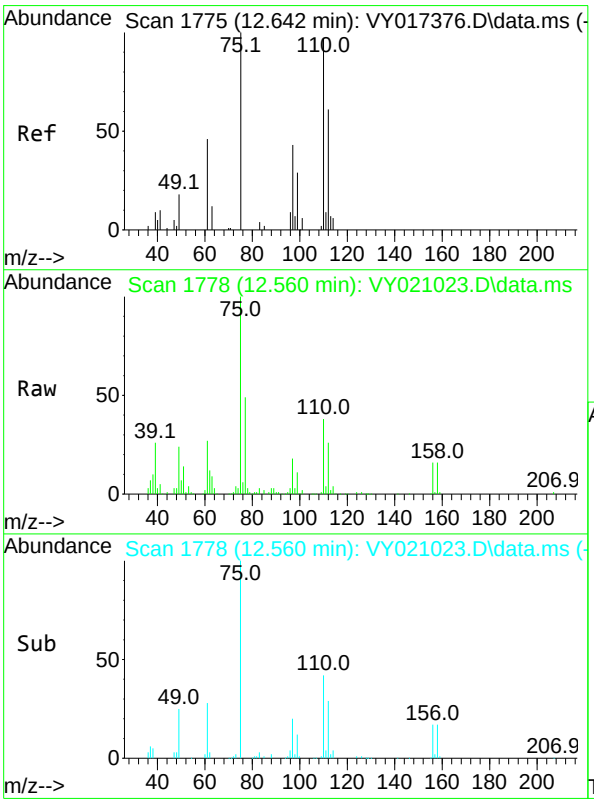
#75
1,1,2,2-Tetrachloroethane
Concen: 55.736 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 76500

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	63.4	31.9	95.9

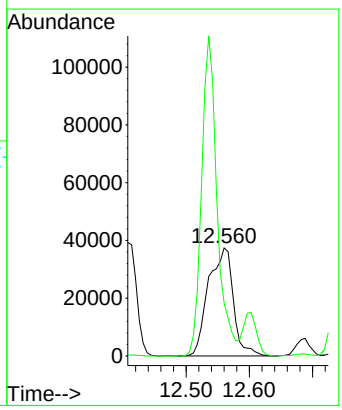


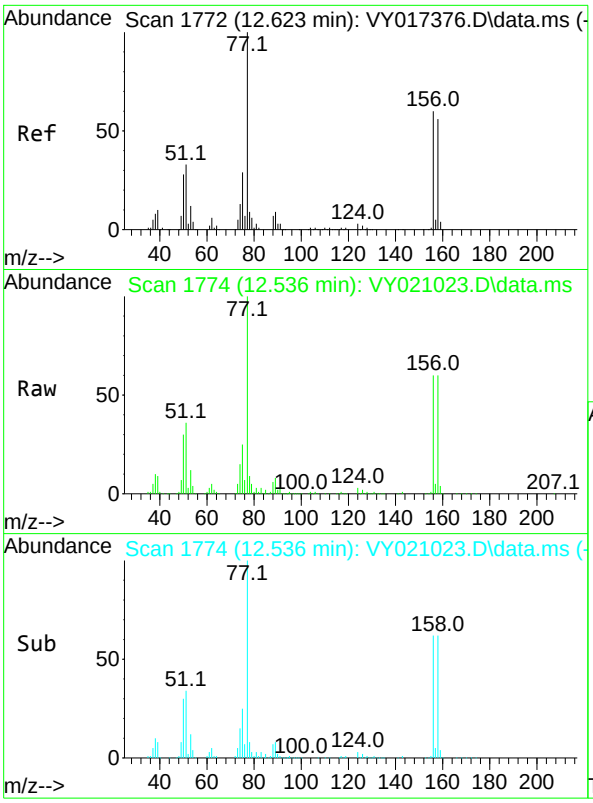


#76
1,2,3-Trichloropropane
Concen: 106.739 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 102300

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



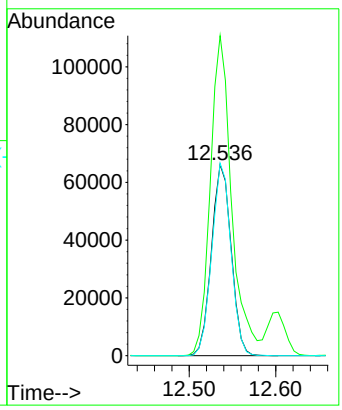


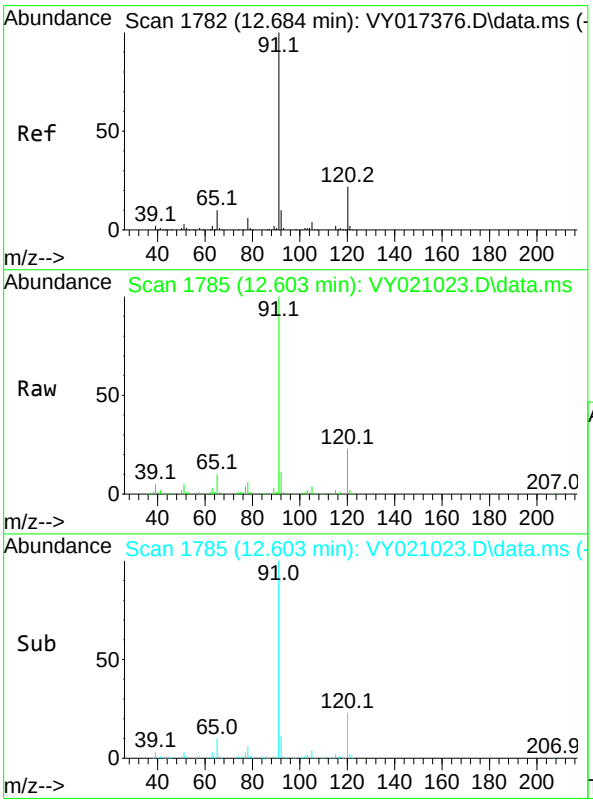
#77
Bromobenzene
Concen: 51.889 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 104605

Ion	Ratio	Lower	Upper
156	100		
77	180.1	83.3	249.9
158	97.9	48.3	144.9

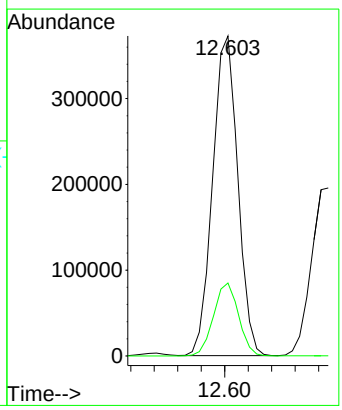


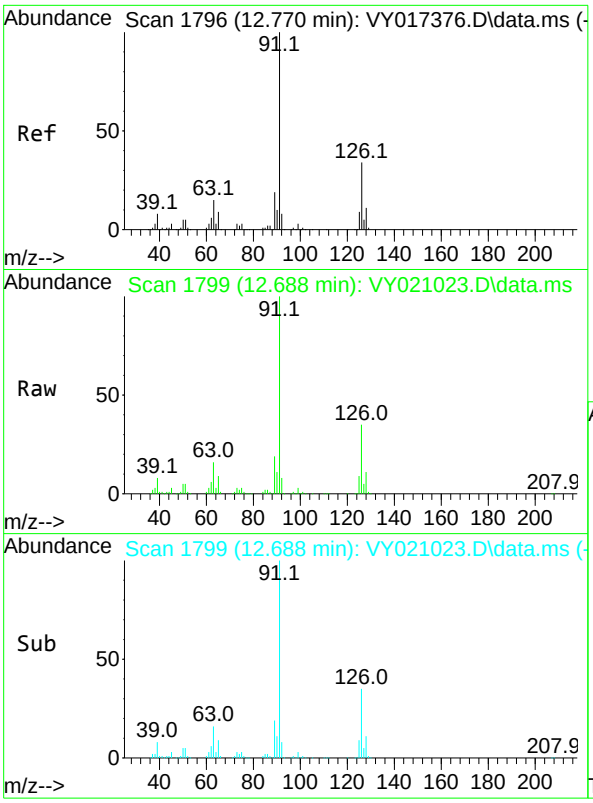


#78
n-propylbenzene
Concen: 55.653 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 554600

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.4



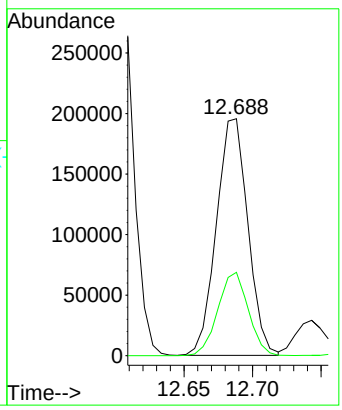


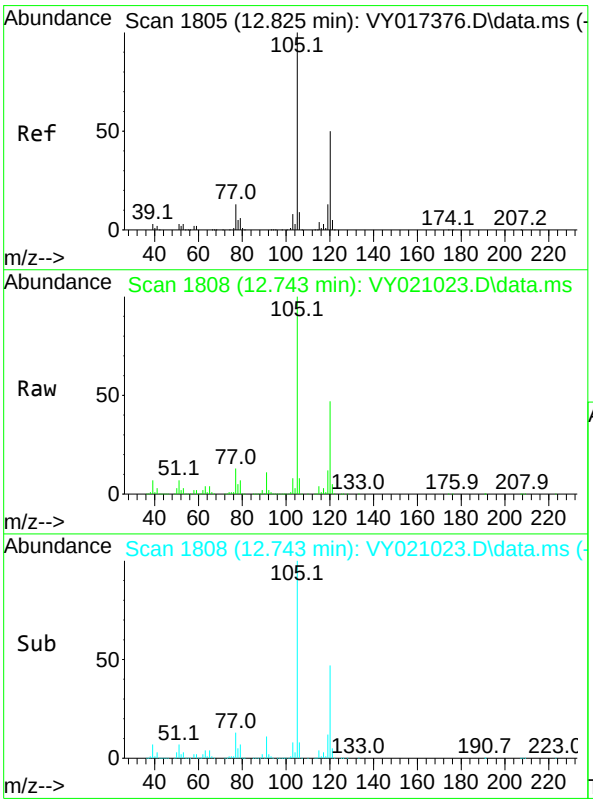
#79
2-Chlorotoluene
Concen: 55.113 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 312917

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	51.9

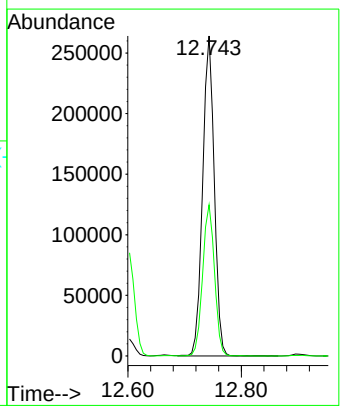


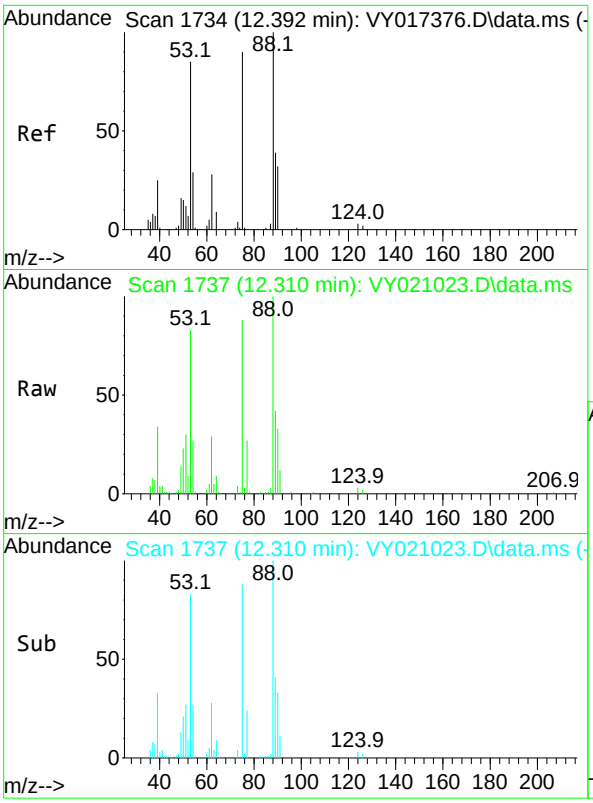


#80
1,3,5-Trimethylbenzene
Concen: 54.032 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 376397

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.9



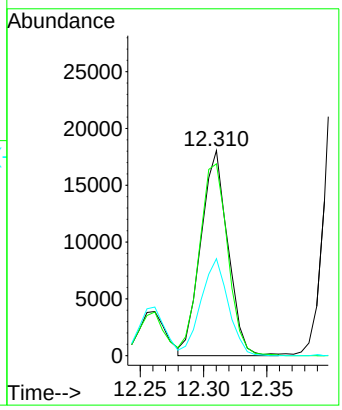


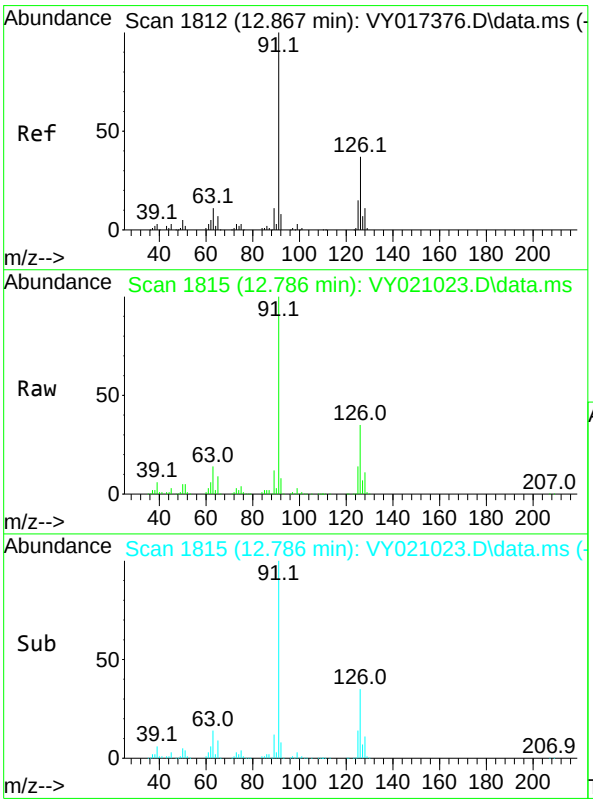
#81
trans-1,4-Dichloro-2-butene
Concen: 58.386 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 26957

Ion	Ratio	Lower	Upper
75	100		
53	97.9	68.6	103.0
89	47.7	38.1	57.1

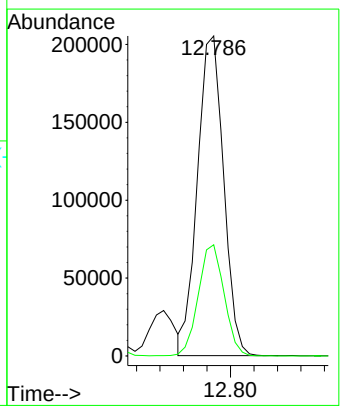


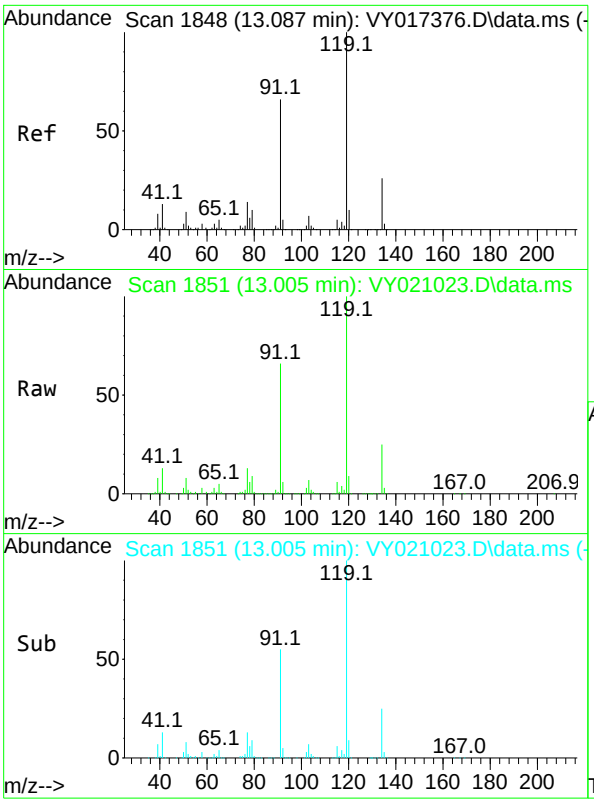


#82
4-Chlorotoluene
Concen: 54.527 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 316855

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0



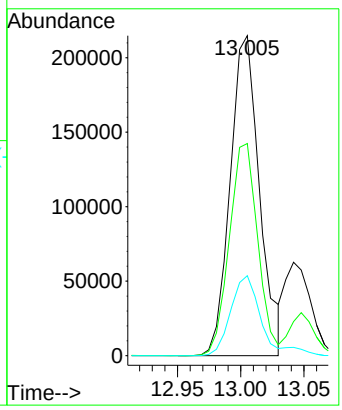


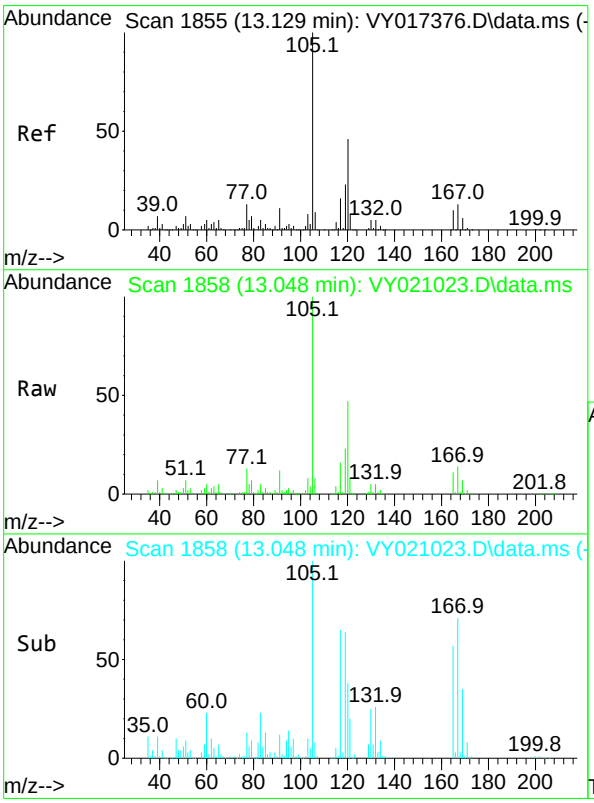
#83
tert-Butylbenzene
Concen: 53.757 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 347315

Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.4	94.0
134	26.1	13.1	39.1

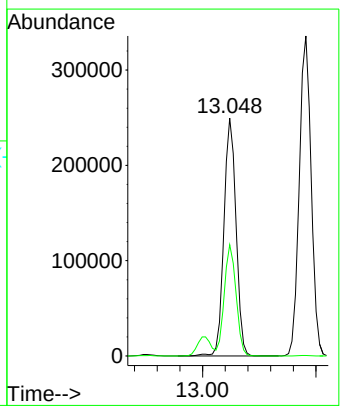


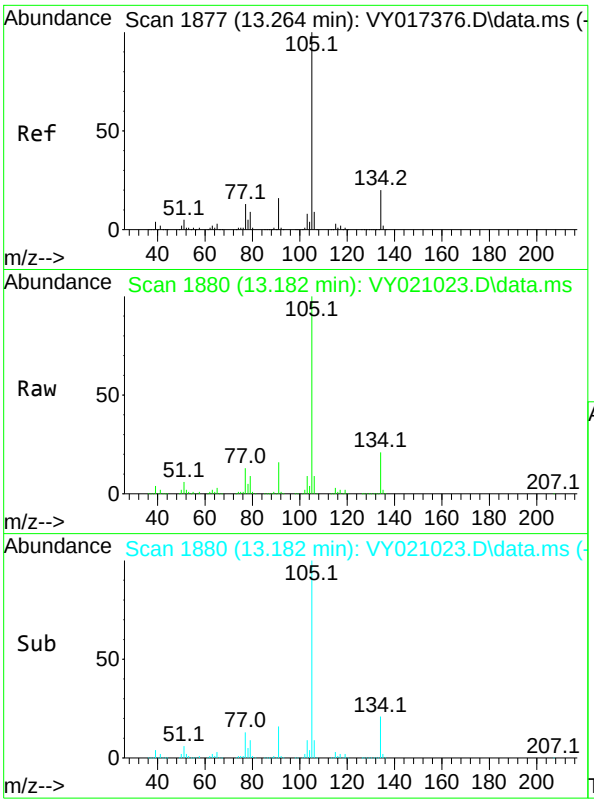


#84
1,2,4-Trimethylbenzene
Concen: 54.433 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 370408

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.0



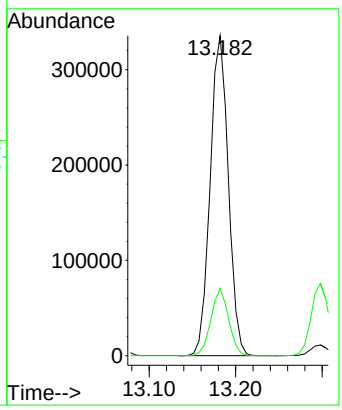


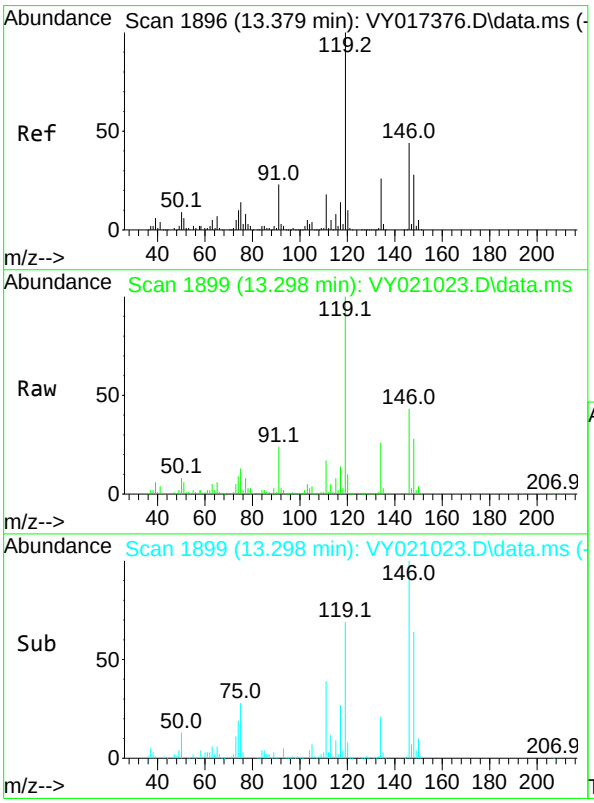
#85
sec-Butylbenzene
Concen: 53.440 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 488820

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8

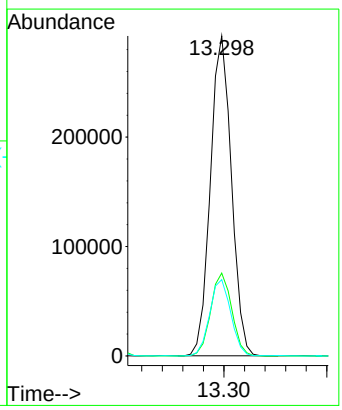


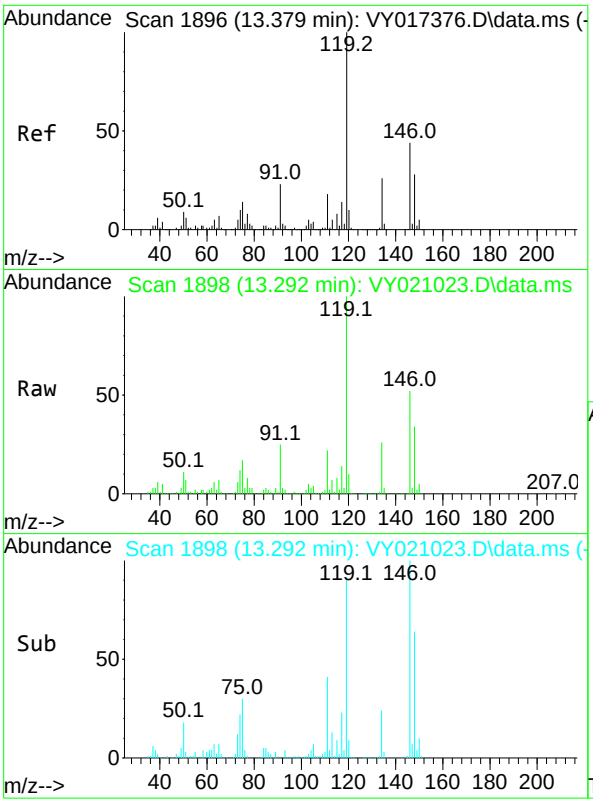


#86
p-Isopropyltoluene
Concen: 53.878 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 414156

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.1	11.5	34.5



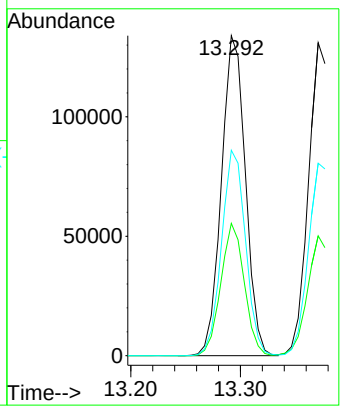


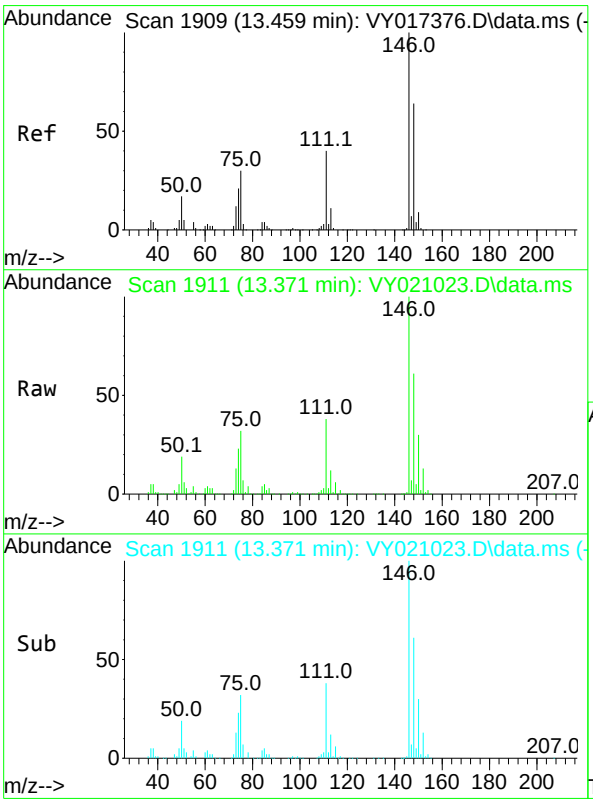
#87
1,3-Dichlorobenzene
Concen: 51.839 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 203767

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	64.2	32.1	96.3

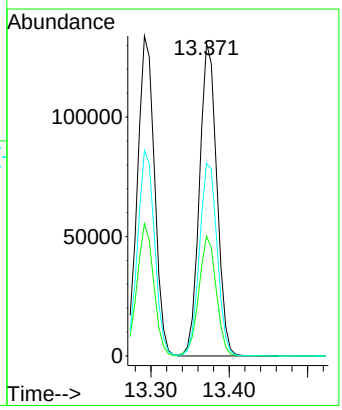


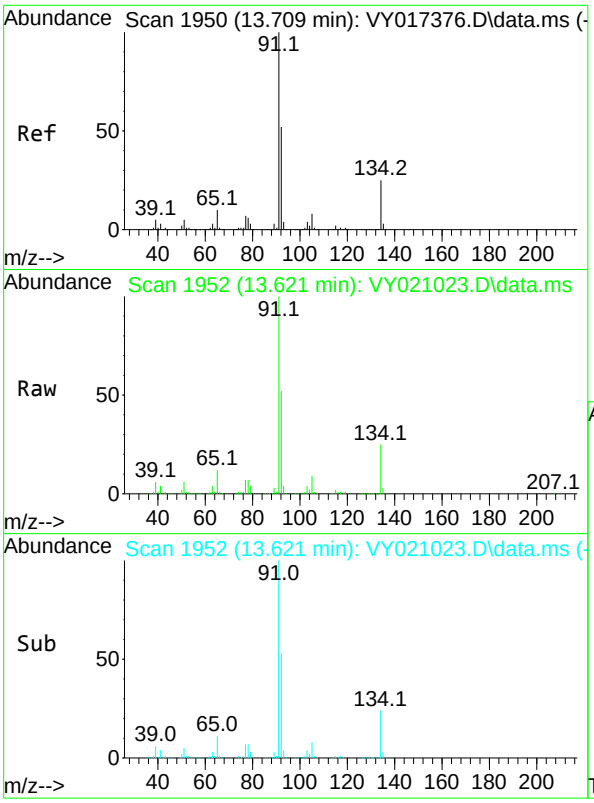


#88
1,4-Dichlorobenzene
Concen: 51.631 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 201529

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	63.1	31.6	95.0



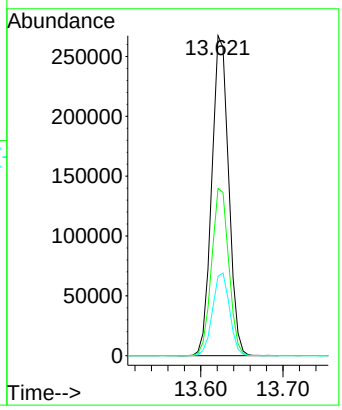


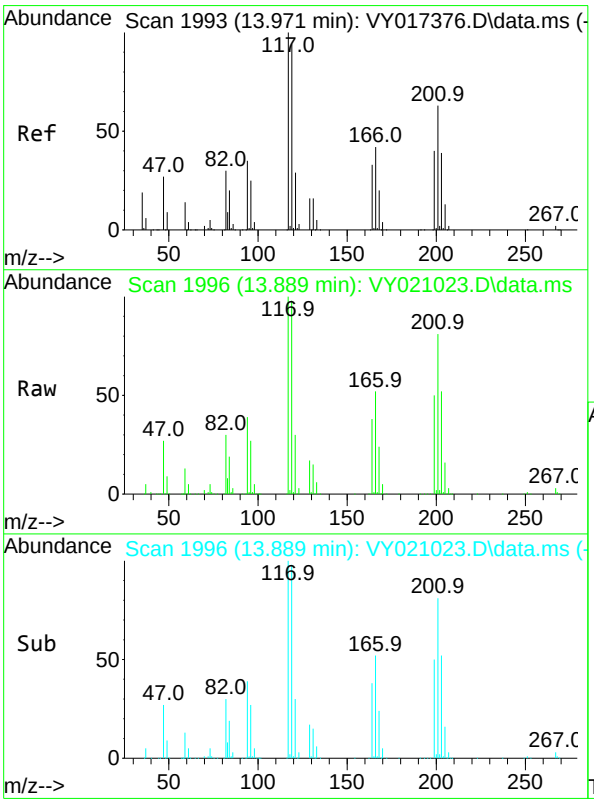
#89
n-Butylbenzene
Concen: 55.439 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 381707

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.1
134	26.1	13.7	41.1

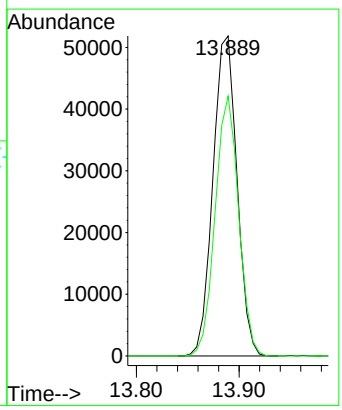


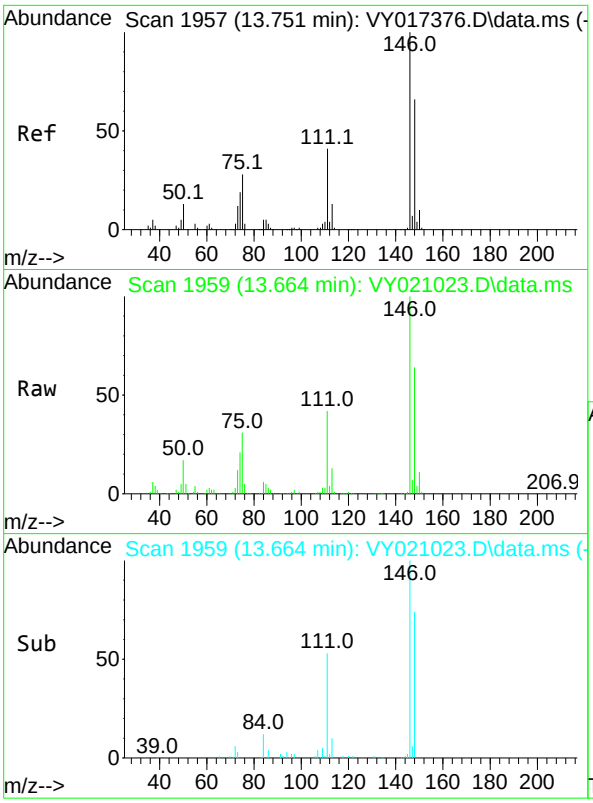


#90
Hexachloroethane
Concen: 54.167 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 84237

Ion	Ratio	Lower	Upper
117	100		
201	79.2	42.5	127.5



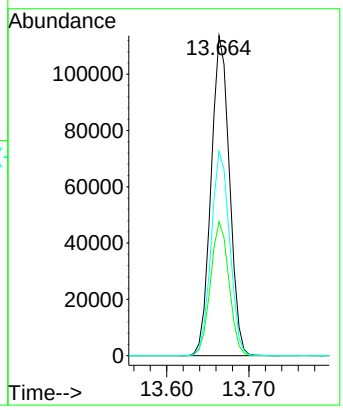


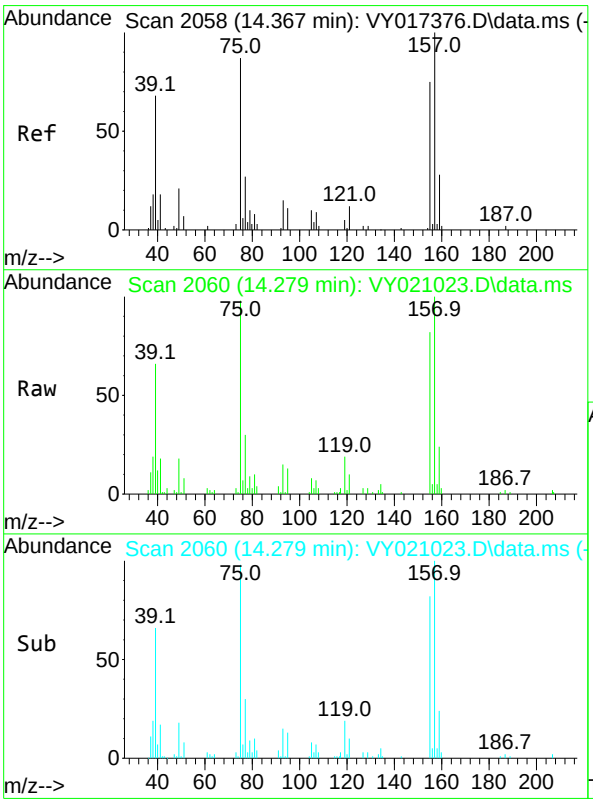
#91
1,2-Dichlorobenzene
Concen: 51.554 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 176718

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	60.8
148	64.4	32.2	96.6

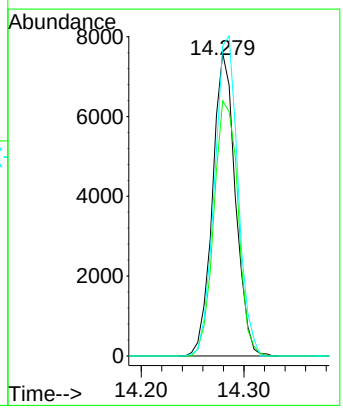


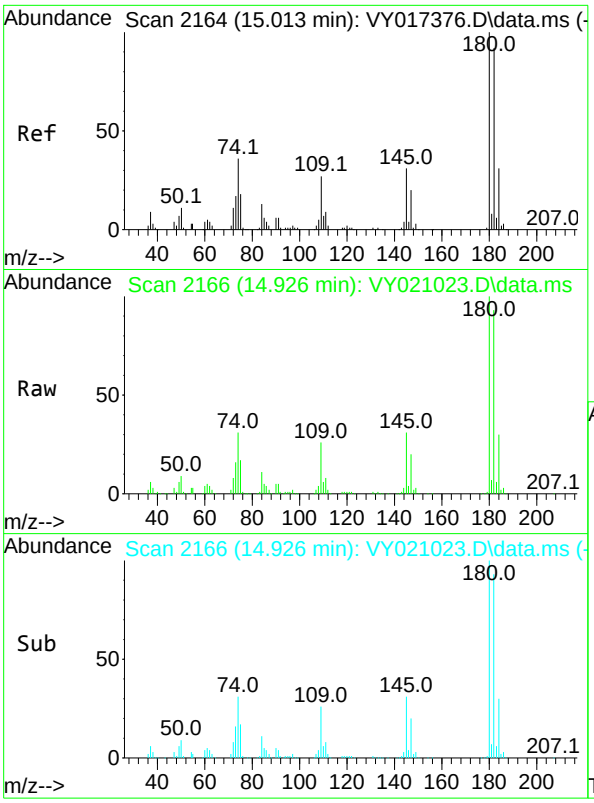


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.445 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 11716

Ion	Ratio	Lower	Upper
75	100		
155	88.6	45.9	137.6
157	107.6	59.3	177.9



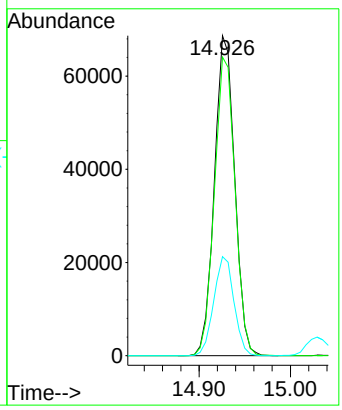


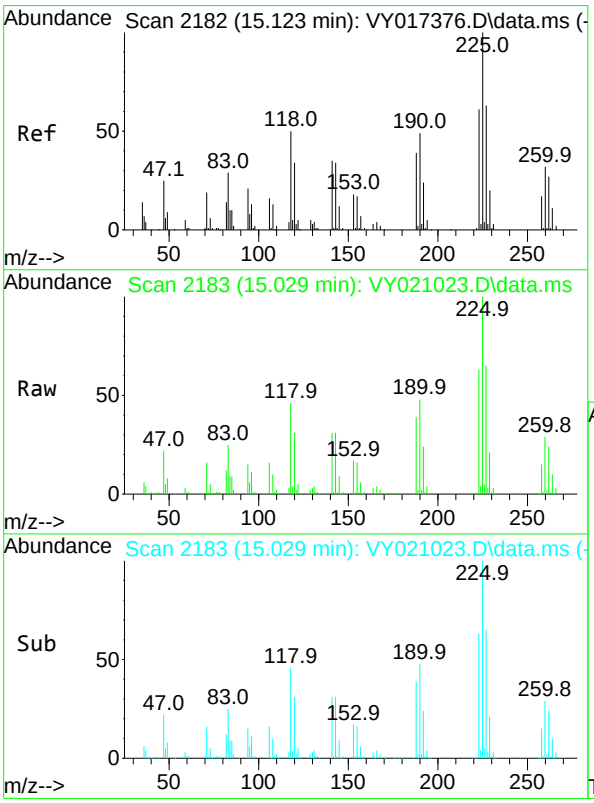
#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 105932

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.8
145	30.8	15.3	45.8

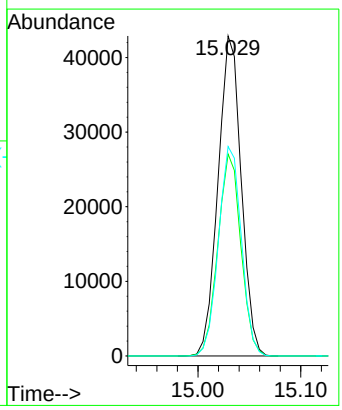


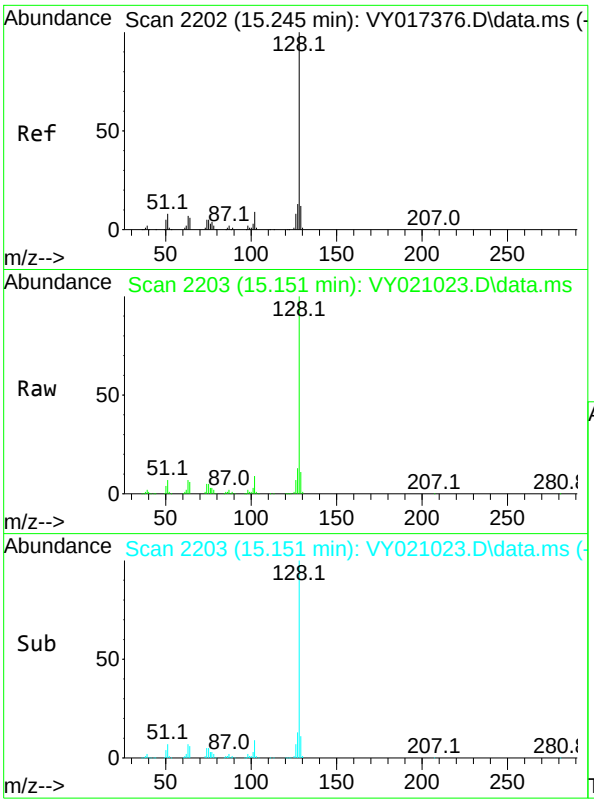


#94
Hexachlorobutadiene
Concen: 46.155 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:225 Resp: 67092

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	64.6	31.8	95.3



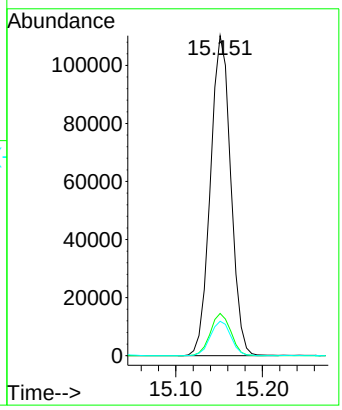


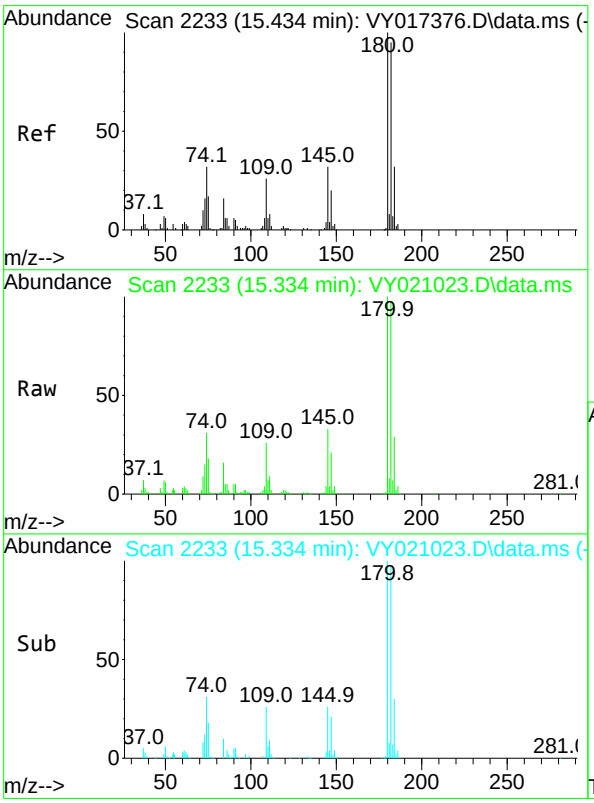
#95
Naphthalene
Concen: 53.412 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 180166

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.8	13.2

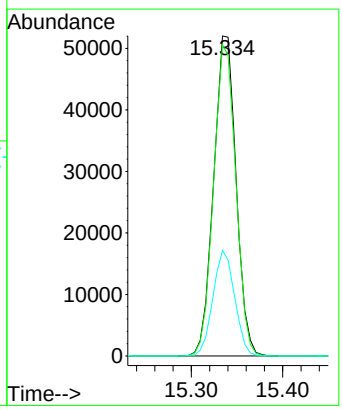




#96
1,2,3-Trichlorobenzene
Concen: 49.991 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 88730

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.7	143.1
145	31.9	15.6	46.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	190137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	289157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	115163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	172797	106.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 213.480%#			
35) Dibromofluoromethane	7.646	113	171851	98.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.720%#			
50) Toluene-d8	10.115	98	669691	98.702	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.400%#			
62) 4-Bromofluorobenzene	12.414	95	216644	95.157	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 190.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	159301	98.533	ug/l	100
3) Chloromethane	2.074	50	153706	149.541	ug/l	98
4) Vinyl Chloride	2.214	62	155011	146.266	ug/l	99
5) Bromomethane	2.604	94	93622	130.495	ug/l	96
6) Chloroethane	2.745	64	91012	147.011	ug/l	99
7) Trichlorofluoromethane	3.068	101	282462	110.443	ug/l	99
8) Diethyl Ether	3.464	74	87561	114.680	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.830	101	177279	102.939	ug/l	95
10) Methyl Iodide	4.019	142	218905	111.078	ug/l	99
11) Tert butyl alcohol	4.872	59	53461	452.085	ug/l	99
12) 1,1-Dichloroethene	3.799	96	171787	106.739	ug/l	88
13) Acrolein	3.659	56	89546	657.572	ug/l	99
14) Allyl chloride	4.397	41	294317	132.835	ug/l	92
15) Acrylonitrile	5.067	53	179975	573.057	ug/l	99
16) Acetone	3.879	43	133780	606.320	ug/l	90
17) Carbon Disulfide	4.116	76	540251	108.991	ug/l	100
18) Methyl Acetate	4.397	43	96229	124.639	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	427571	114.141	ug/l	99
20) Methylene Chloride	4.628	84	171778	105.558	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	186520	108.095	ug/l	93
22) Diisopropyl ether	6.031	45	598063	132.422	ug/l	97
23) Vinyl Acetate	5.970	43	1653156	660.973	ug/l	95
24) 1,1-Dichloroethane	5.933	63	346367	118.878	ug/l	98
25) 2-Butanone	6.902	43	229517	613.177	ug/l	92
26) 2,2-Dichloropropane	6.896	77	311254	108.502	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	218816	110.326	ug/l	94
28) Bromochloromethane	7.256	49	142156	130.955	ug/l	83
29) Tetrahydrofuran	7.274	42	153104	607.855	ug/l	92
30) Chloroform	7.433	83	350416	111.040	ug/l	99
31) Cyclohexane	7.713	56	296243	104.021	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	328296	107.493	ug/l	97
36) 1,1-Dichloropropene	7.847	75	258833	104.370	ug/l	97
37) Ethyl Acetate	6.994	43	108807	117.685	ug/l	97
38) Carbon Tetrachloride	7.829	117	302001	98.406	ug/l	98
39) Methylcyclohexane	9.115	83	329865	99.014	ug/l	94
40) Benzene	8.091	78	765340	104.883	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	51586	100.841 ug/l	90
42) 1,2-Dichloroethane	8.164	62	203840	110.147 ug/l	98
43) Isopropyl Acetate	8.207	43	224883	121.752 ug/l #	86
44) Trichloroethene	8.872	130	195403	97.046 ug/l	94
45) 1,2-Dichloropropane	9.152	63	179965	110.034 ug/l	99
46) Dibromomethane	9.237	93	95968	100.827 ug/l	95
47) Bromodichloromethane	9.432	83	265518	106.226 ug/l	98
48) Methyl methacrylate	9.225	41	107661	122.427 ug/l	90
49) 1,4-Dioxane	9.237	88	18378	1817.108 ug/l #	95
51) 4-Methyl-2-Pentanone	10.006	43	562082	592.226 ug/l	94
52) Toluene	10.176	92	488296	103.090 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	246769	109.097 ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	289643	107.141 ug/l #	91
55) 1,1,2-Trichloroethane	10.579	97	125626	99.248 ug/l	100
56) Ethyl methacrylate	10.445	69	184212	111.337 ug/l	88
57) 1,3-Dichloropropane	10.725	76	220204	102.639 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	421206	599.795 ug/l	95
59) 2-Hexanone	10.768	43	373249	605.028 ug/l	92
60) Dibromochloromethane	10.920	129	179036	99.202 ug/l	99
61) 1,2-Dibromoethane	11.024	107	117576	97.250 ug/l	98
64) Tetrachloroethene	10.652	164	174223	93.066 ug/l	97
65) Chlorobenzene	11.450	112	519942	99.441 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	185418	99.917 ug/l	99
67) Ethyl Benzene	11.524	91	950017	104.939 ug/l	98
68) m/p-Xylenes	11.639	106	705393	202.801 ug/l	97
69) o-Xylene	11.963	106	332346	102.783 ug/l	97
70) Styrene	11.975	104	559633	104.245 ug/l	98
71) Bromoform	12.139	173	101615	92.910 ug/l #	99
73) Isopropylbenzene	12.261	105	891697	110.247 ug/l	100
74) N-amyl acetate	12.078	43	196809	133.629 ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.517	83	137599	105.393 ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	184099	201.939 ug/l #	100
77) Bromobenzene	12.542	156	198715	103.627 ug/l	93
78) n-propylbenzene	12.603	91	1057216	111.529 ug/l	98
79) 2-Chlorotoluene	12.688	91	592096	109.632 ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	713935	107.741 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	47846	108.944 ug/l	92
82) 4-Chlorotoluene	12.786	91	597047	108.014 ug/l	99
83) tert-Butylbenzene	13.005	119	638740	103.933 ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	701716	108.409 ug/l	100
85) sec-Butylbenzene	13.182	105	931799	107.093 ug/l	100
86) p-Isopropyltoluene	13.304	119	778814	106.512 ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	380481	101.760 ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	368361	99.212 ug/l	99
89) n-Butylbenzene	13.627	91	720257	109.974 ug/l	98
90) Hexachloroethane	13.889	117	160918	108.782 ug/l	94
91) 1,2-Dichlorobenzene	13.670	146	323508	99.218 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	20553	102.253 ug/l	93
93) 1,2,4-Trichlorobenzene	14.932	180	201024	100.693 ug/l	100
94) Hexachlorobutadiene	15.035	225	124879	90.315 ug/l	100
95) Naphthalene	15.157	128	331641	103.361 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	167187	99.024 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

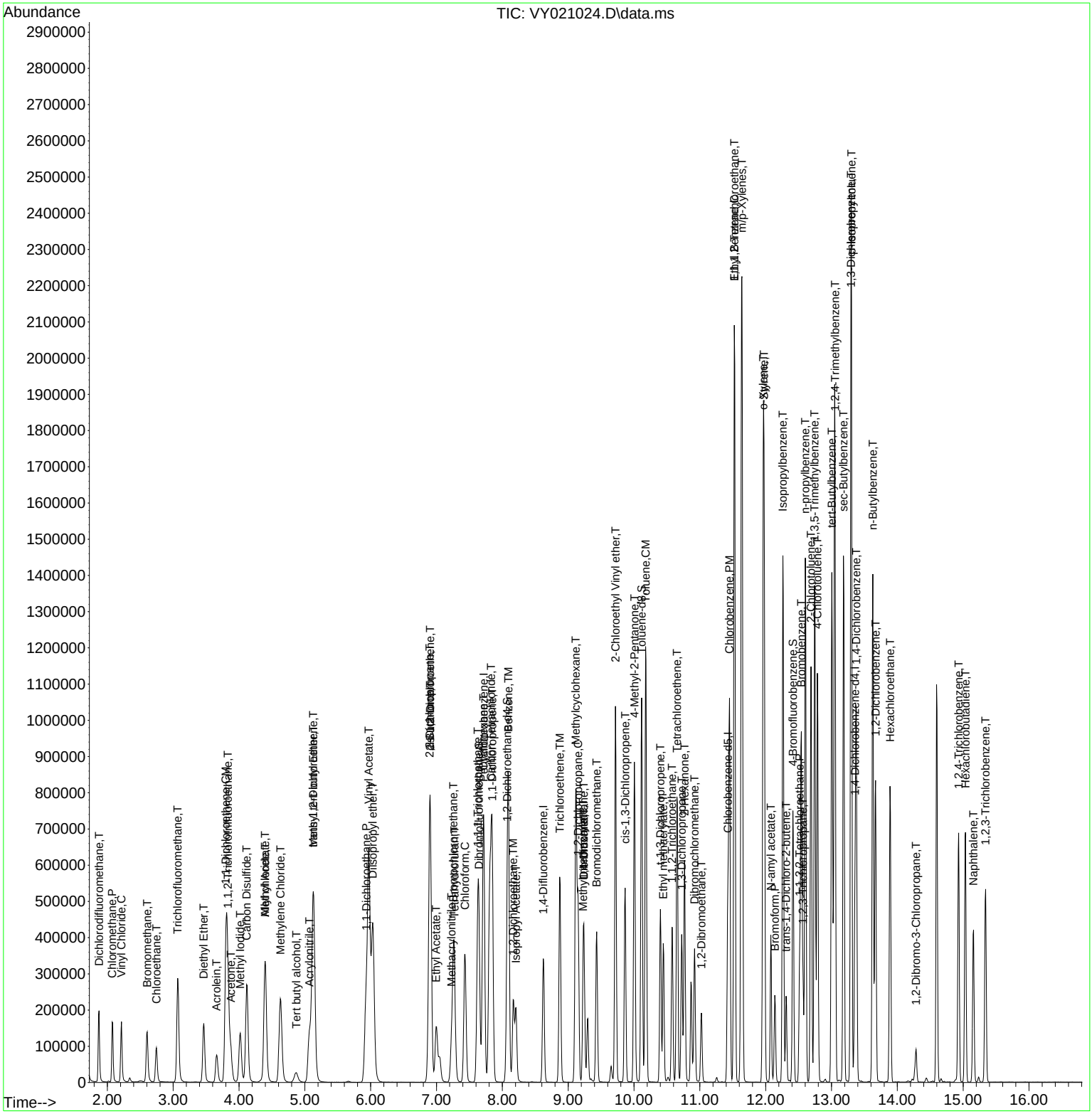
(#) = qualifier out of range (m) = manual integration (+) = signals summed

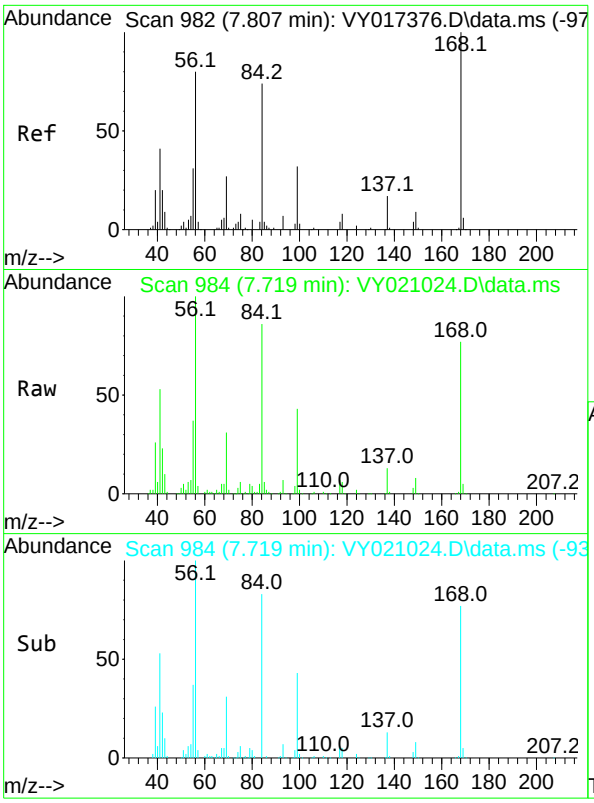
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



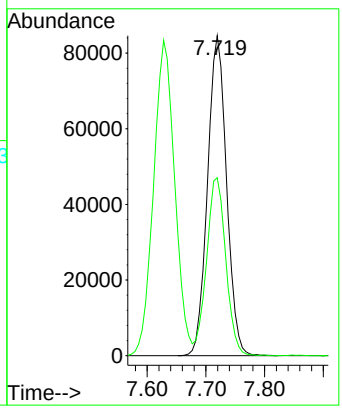


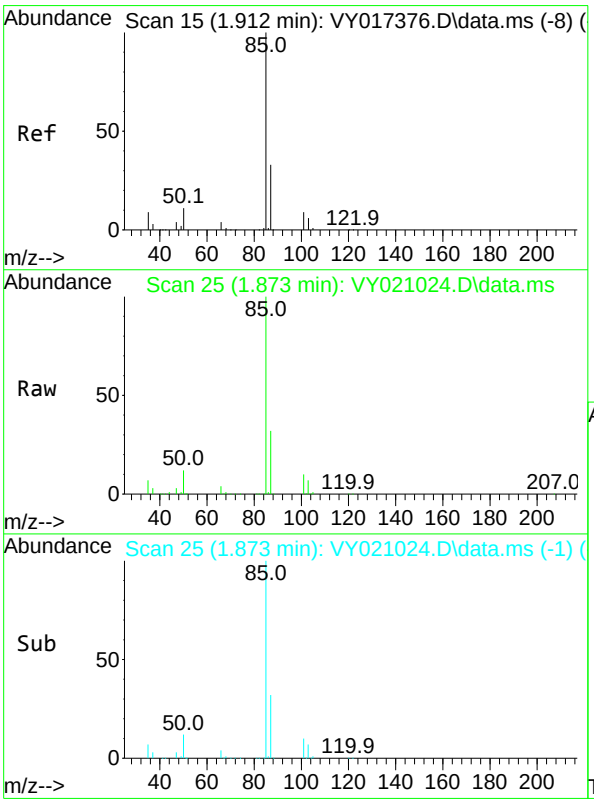
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 190137

Ion	Ratio	Lower	Upper
168	100		
99	55.5	42.2	63.2

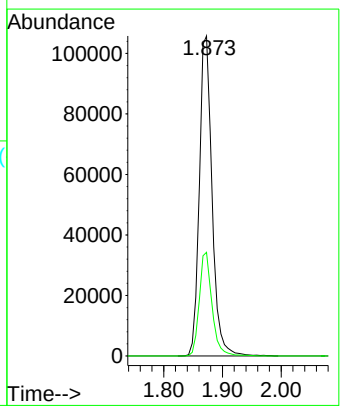


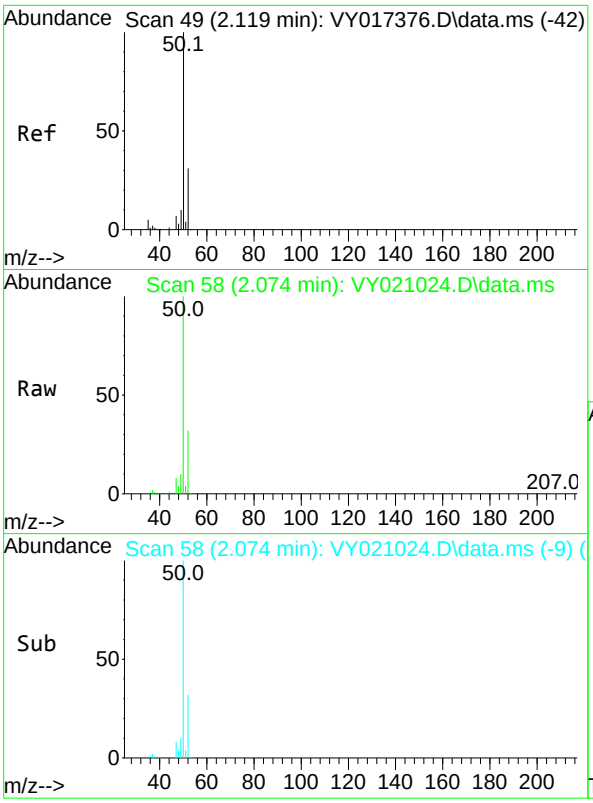


#2
Dichlorodifluoromethane
Concen: 98.533 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 85 Resp: 159301

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.3	48.9



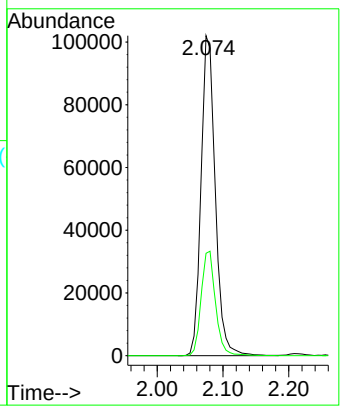


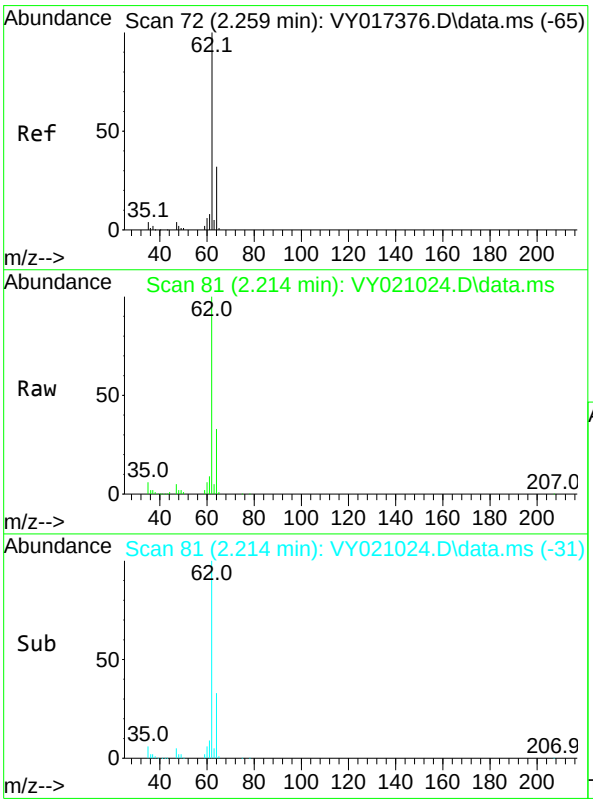
#3
Chloromethane
Concen: 149.541 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 153706

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5

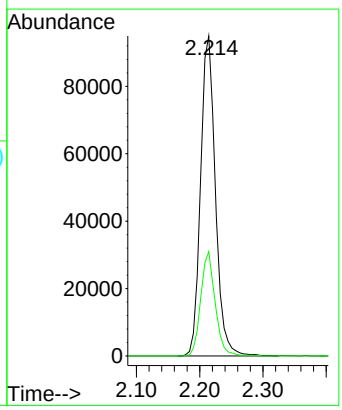


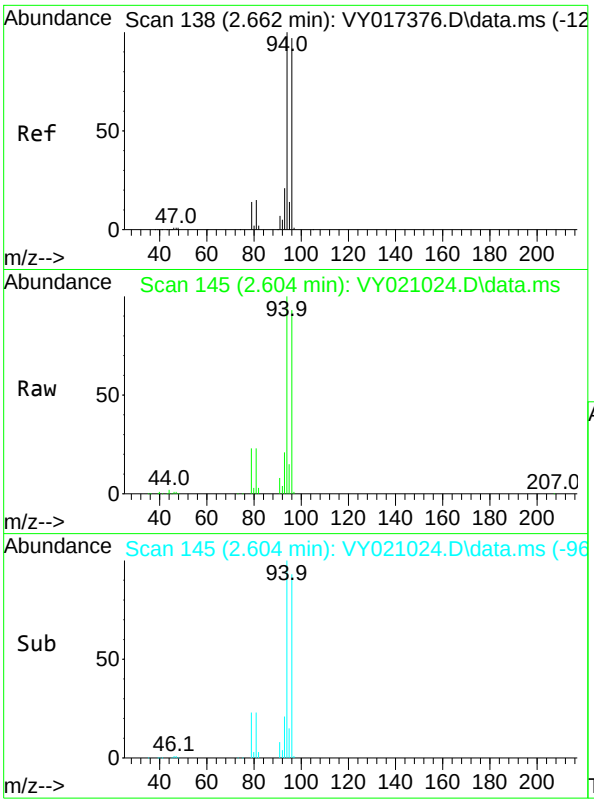


#4
Vinyl Chloride
Concen: 146.266 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 155011

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.4	38.2



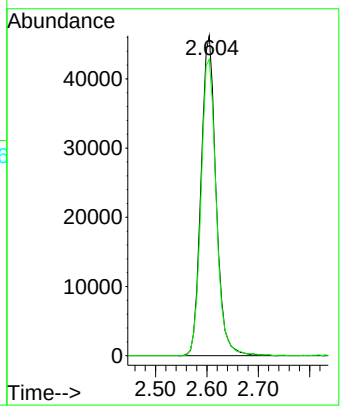


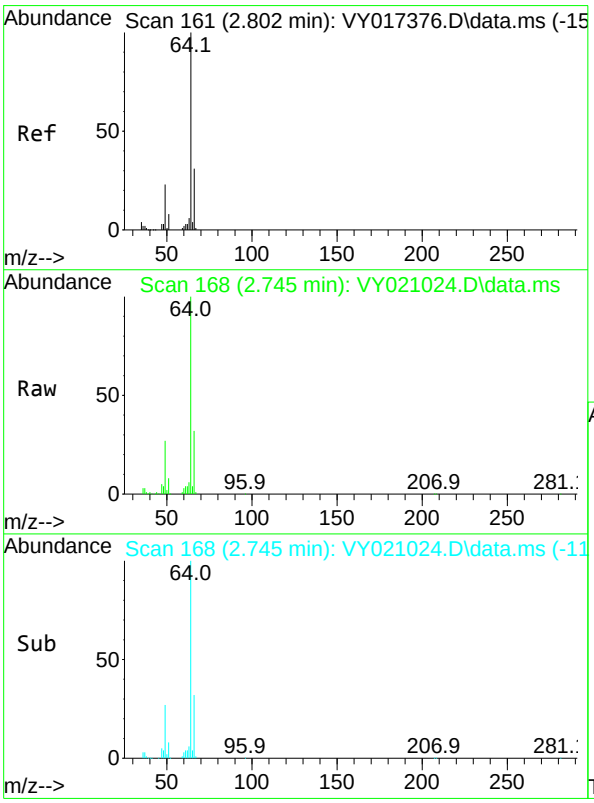
#5
Bromomethane
Concen: 130.495 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 93622

Ion	Ratio	Lower	Upper
94	100		
96	92.6	77.4	116.0

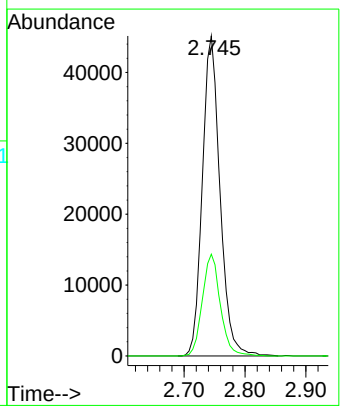


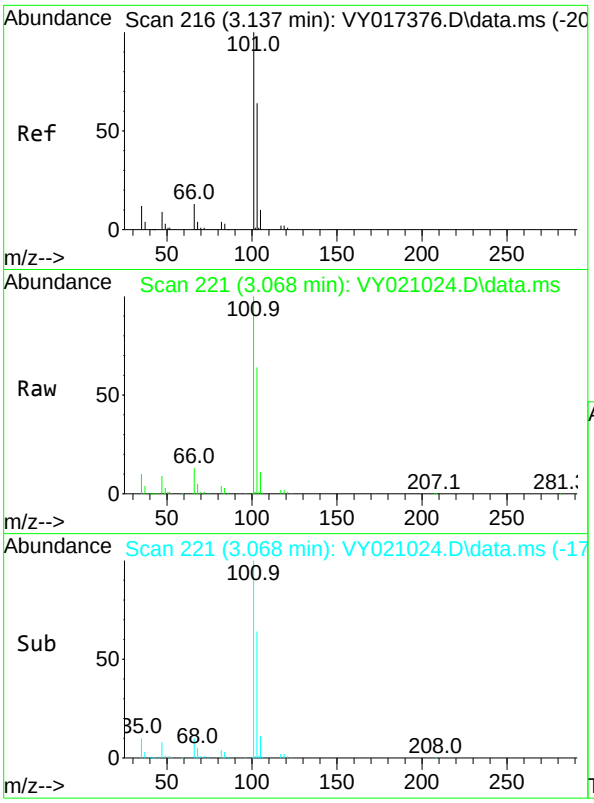


#6
Chloroethane
Concen: 147.011 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 64 Resp: 91012

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.0	37.4



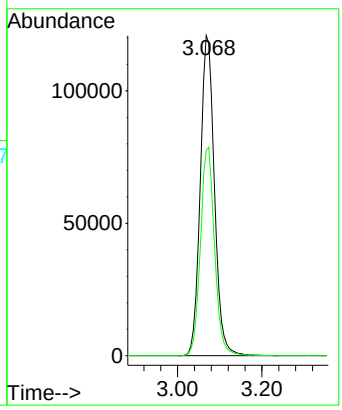


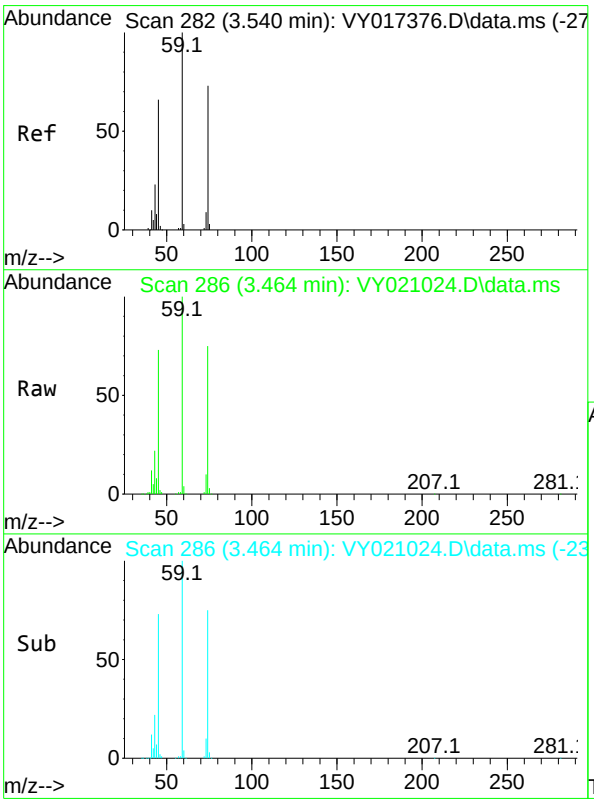
#7
Trichlorofluoromethane
Concen: 110.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 282462

Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.9	76.3

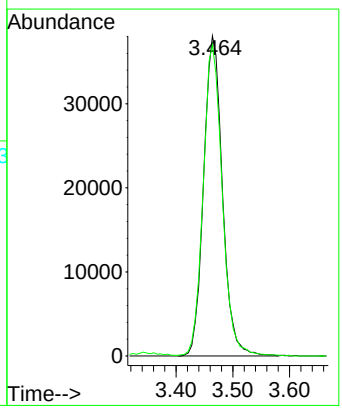


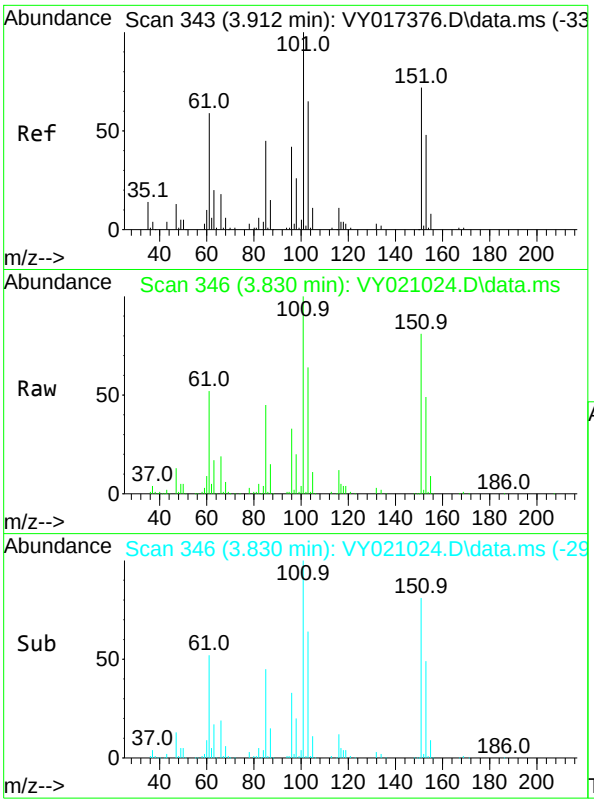


#8
Diethyl Ether
Concen: 114.680 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 74 Resp: 87561

Ion	Ratio	Lower	Upper
74	100		
45	98.9	43.4	130.2



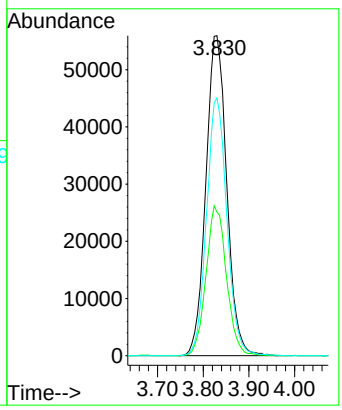


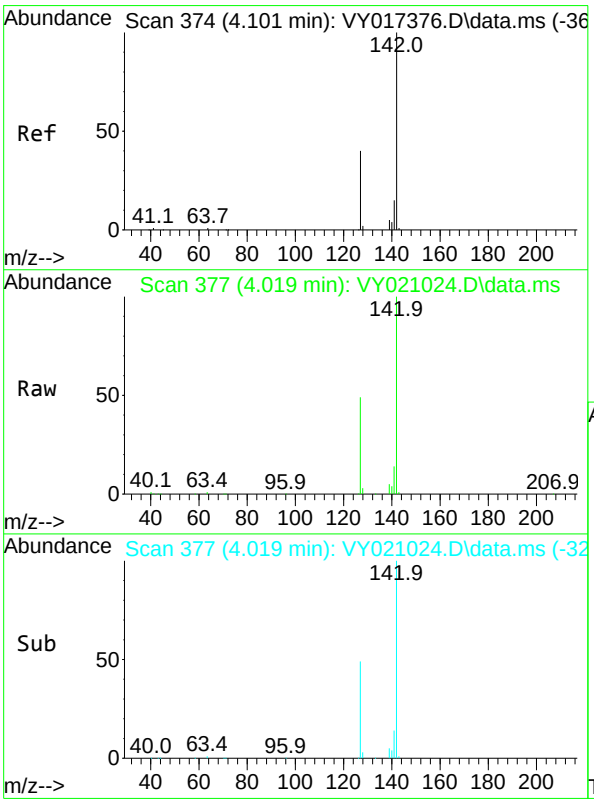
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.939 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 177279

Ion	Ratio	Lower	Upper
101	100		
85	45.9	34.9	52.3
151	78.9	66.8	100.2

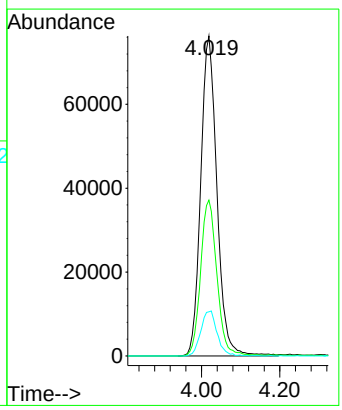


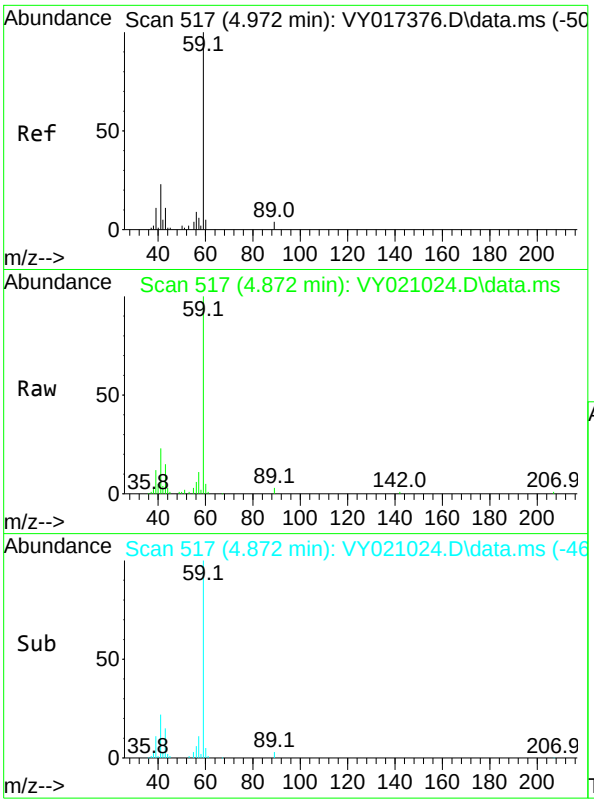


#10
Methyl Iodide
Concen: 111.078 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:142 Resp: 218905

Ion	Ratio	Lower	Upper
142	100		
127	49.2	38.9	58.3
141	14.2	11.7	17.5



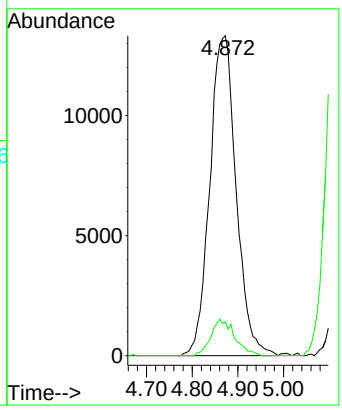


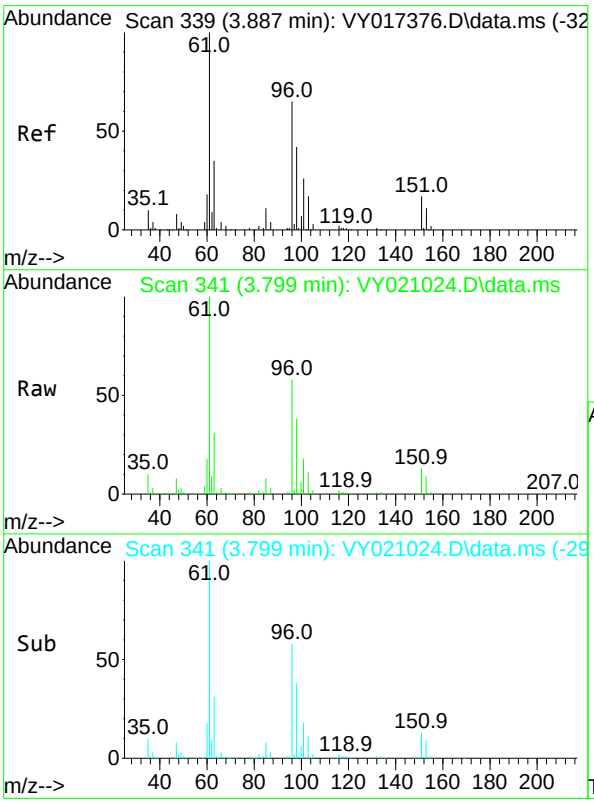
#11
Tert butyl alcohol
Concen: 452.085 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 53461

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

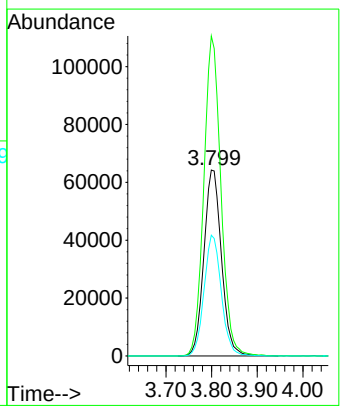


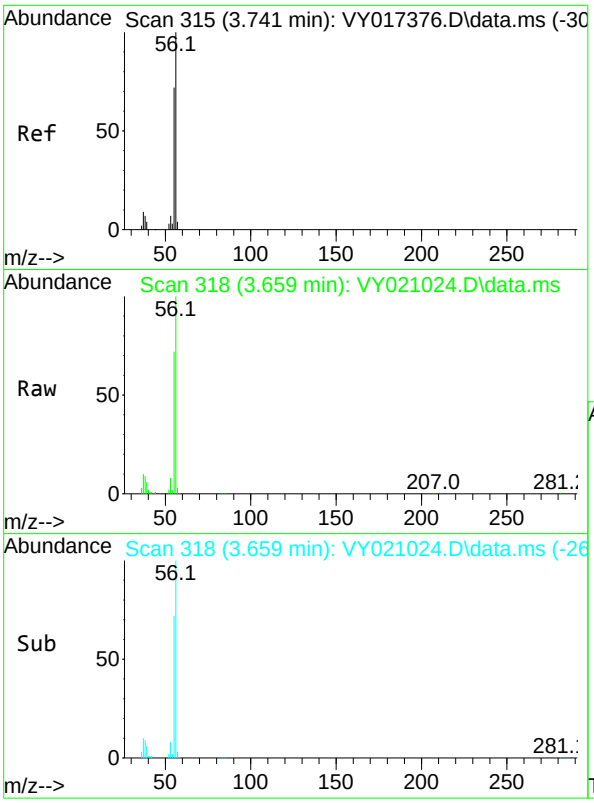


#12
1,1-Dichloroethene
Concen: 106.739 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 171787

Ion	Ratio	Lower	Upper
96	100		
61	172.1	120.8	181.2
98	64.9	50.6	76.0



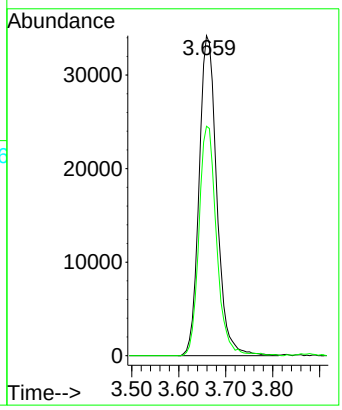


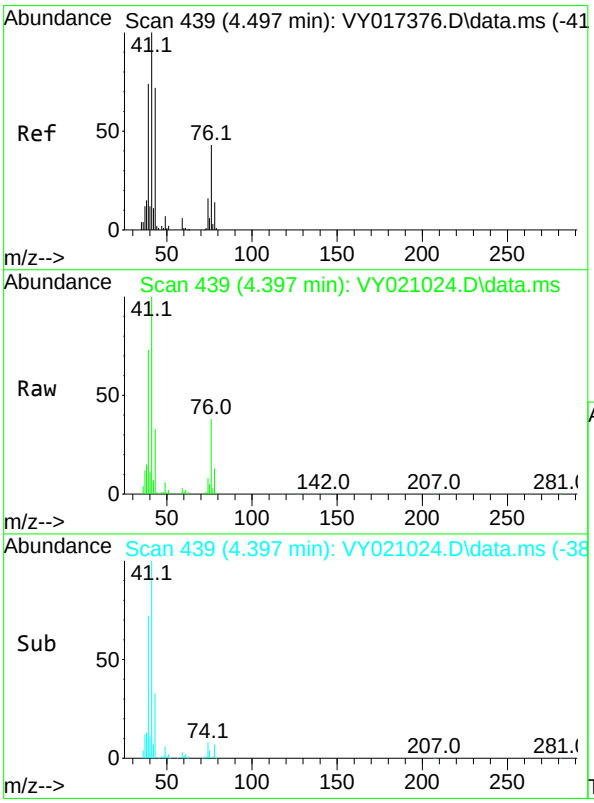
#13
Acrolein
Concen: 657.572 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 89546

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.1	84.1

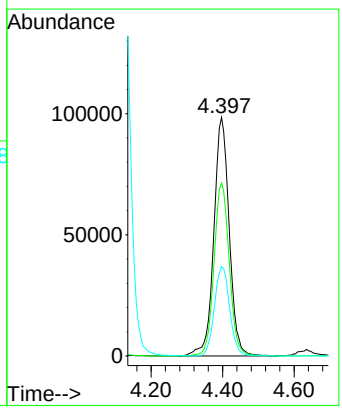


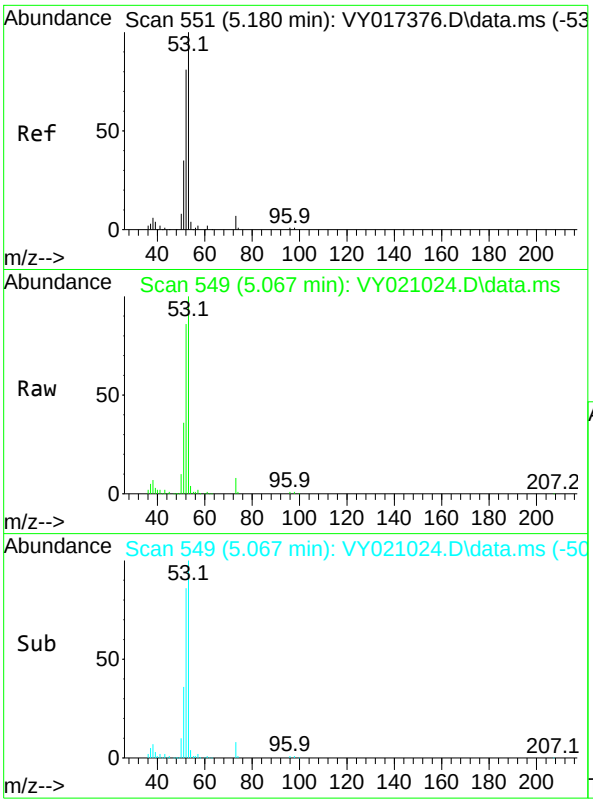


#14
Allyl chloride
Concen: 132.835 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 294317

Ion	Ratio	Lower	Upper
41	100		
39	72.0	53.5	80.3
76	37.1	34.6	52.0



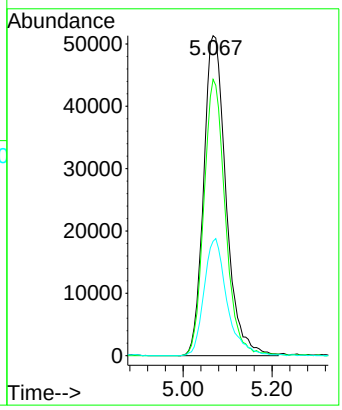


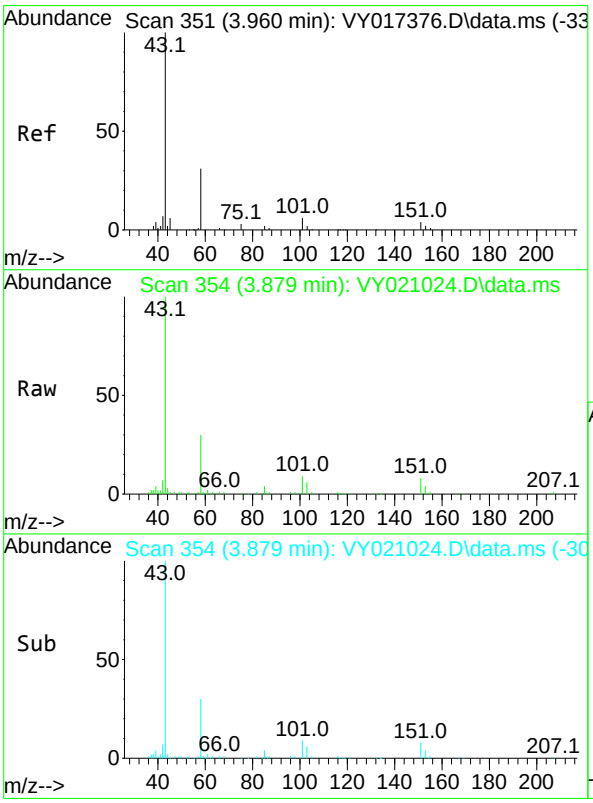
#15
Acrylonitrile
Concen: 573.057 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 179975

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	37.6	29.4	44.0

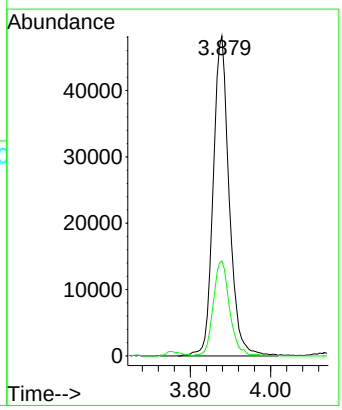


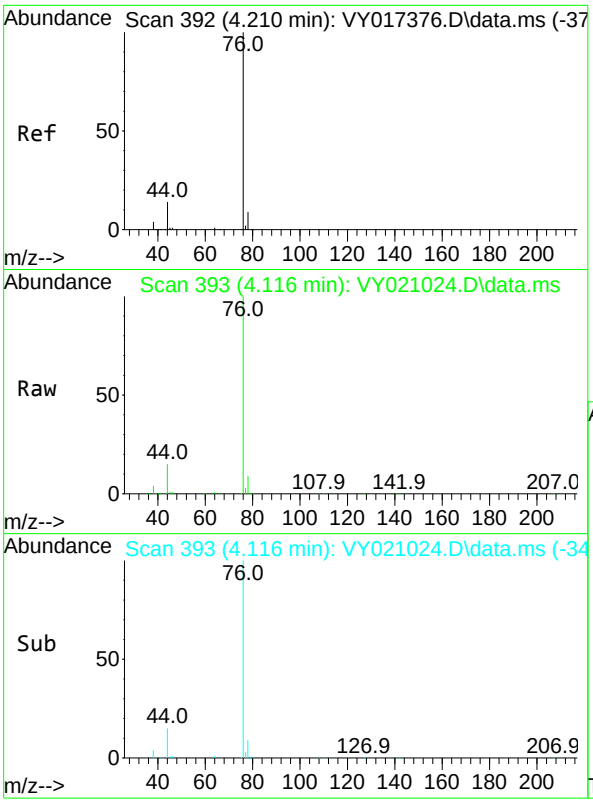


#16
Acetone
Concen: 606.320 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 133780

Ion	Ratio	Lower	Upper
43	100		
58	29.6	28.4	42.6



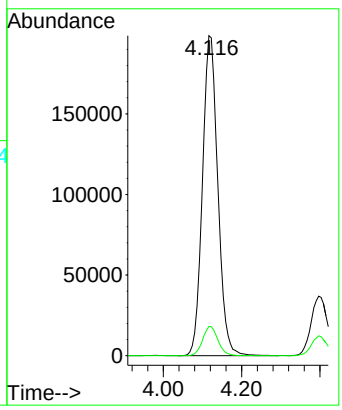


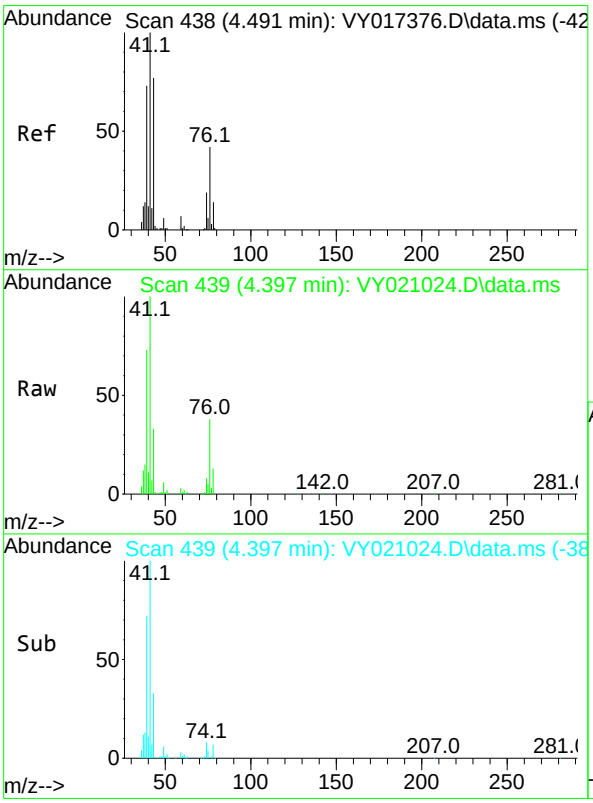
#17
Carbon Disulfide
Concen: 108.991 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 540251

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

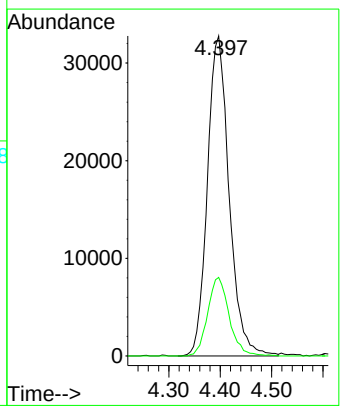


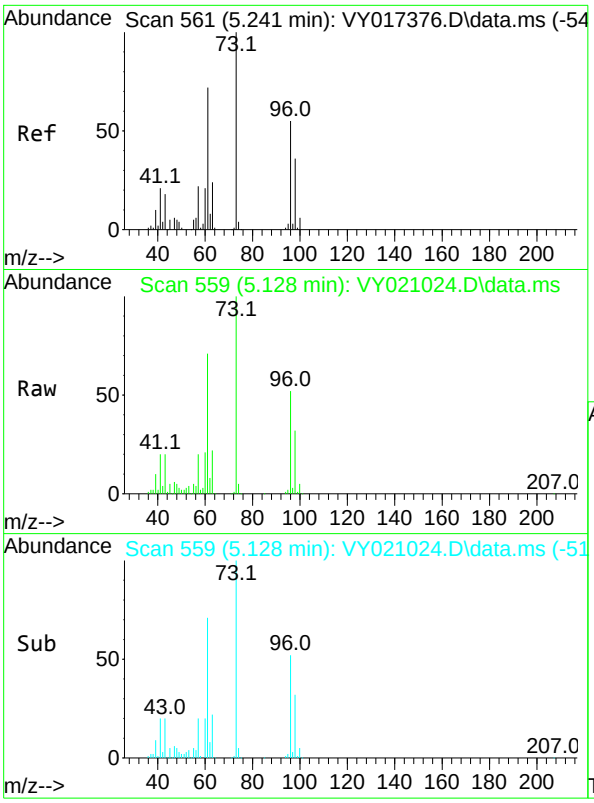


#18
Methyl Acetate
Concen: 124.639 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 96229

Ion	Ratio	Lower	Upper
43	100		
74	24.3	22.2	33.4



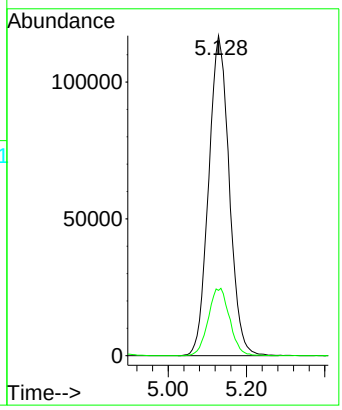


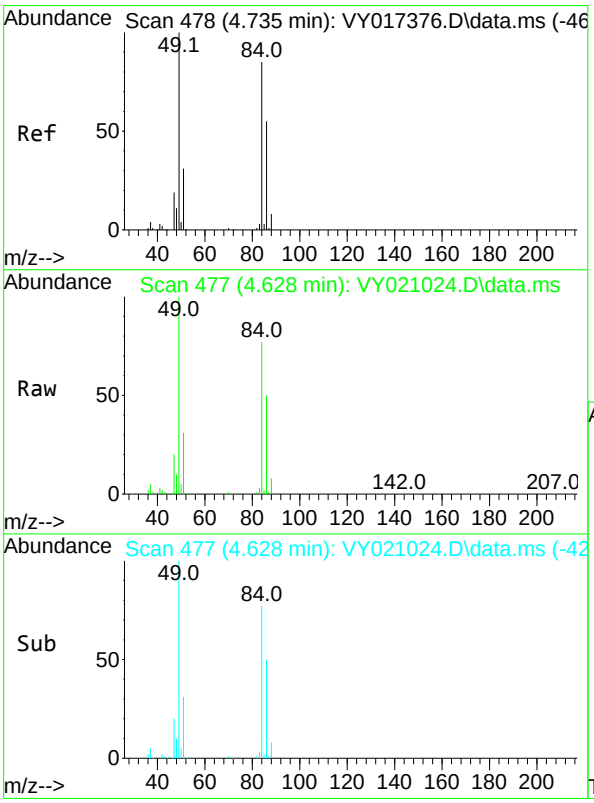
#19
Methyl tert-butyl Ether
Concen: 114.141 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 427571

Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.6	25.0

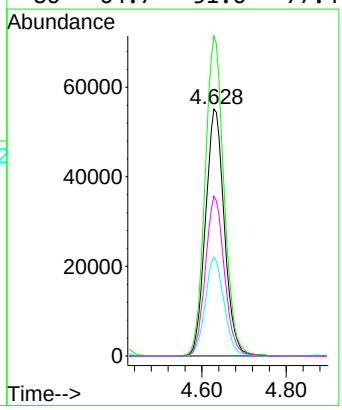


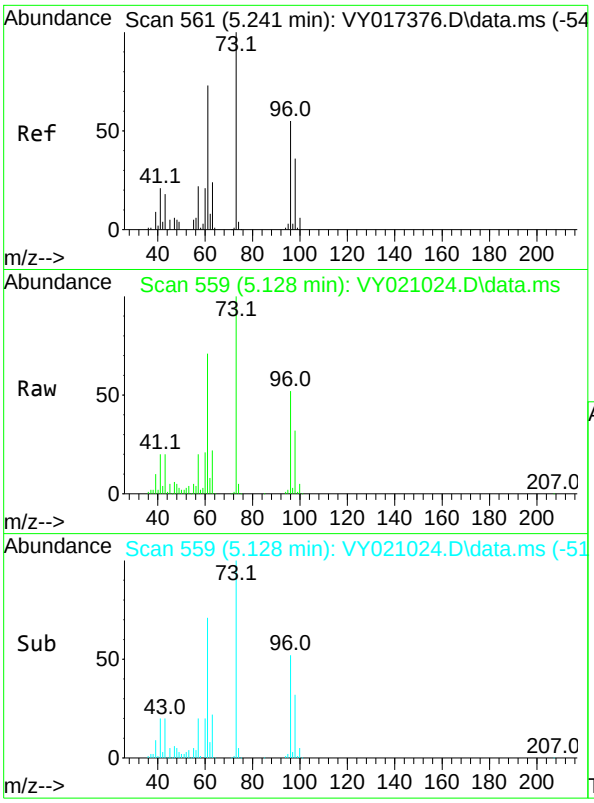


#20
Methylene Chloride
Concen: 105.558 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 84 Resp: 171778

Ion	Ratio	Lower	Upper
84	100		
49	129.6	88.3	132.5
51	40.0	27.7	41.5
86	64.7	51.6	77.4



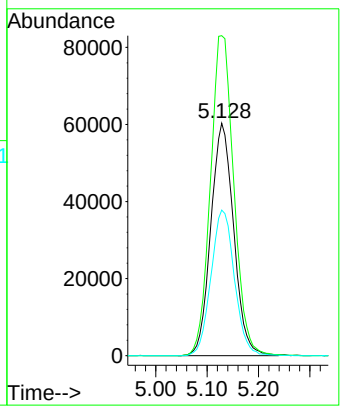


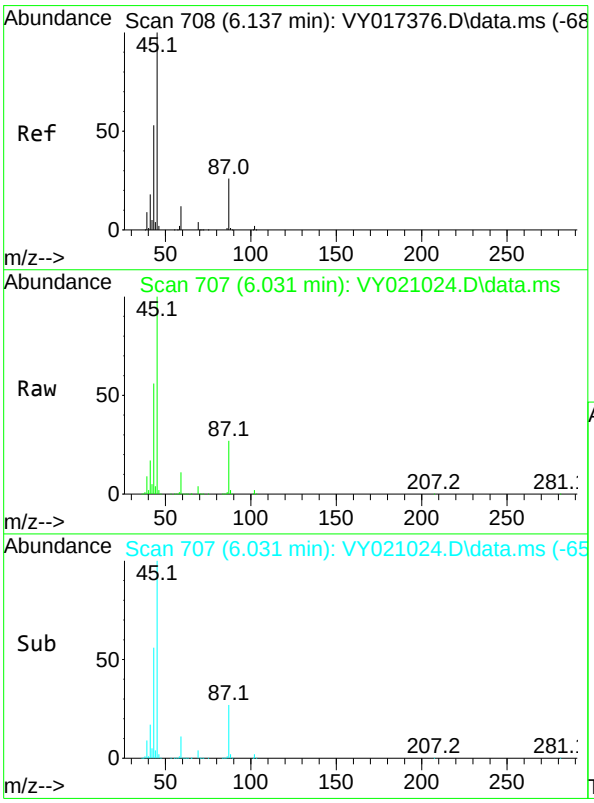
#21
trans-1,2-Dichloroethene
Concen: 108.095 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 186520

Ion	Ratio	Lower	Upper
96	100		
61	137.7	101.5	152.3
98	62.7	52.0	78.0

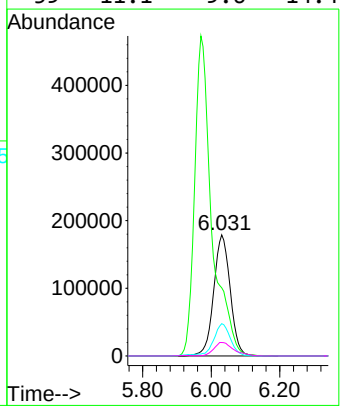


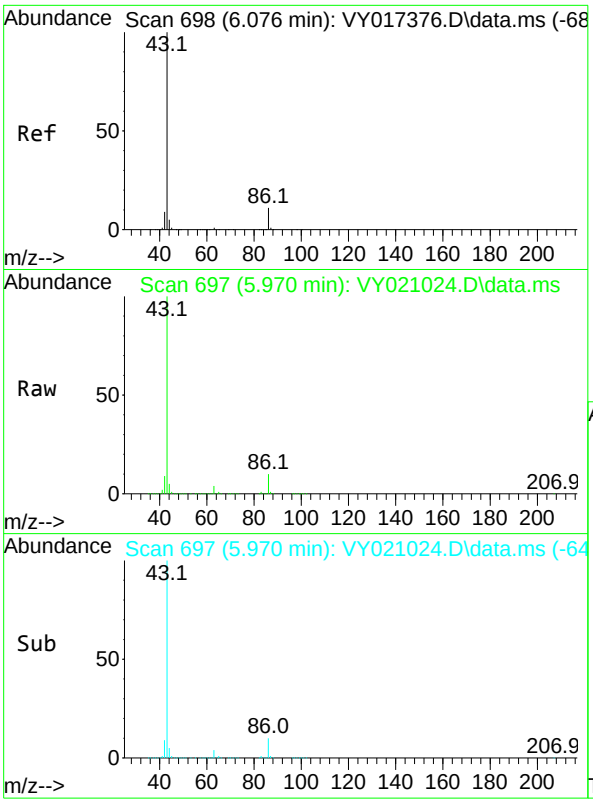


#22
Diisopropyl ether
Concen: 132.422 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 45 Resp: 598063

Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.1	67.7
87	26.7	25.0	37.4
59	11.1	9.6	14.4



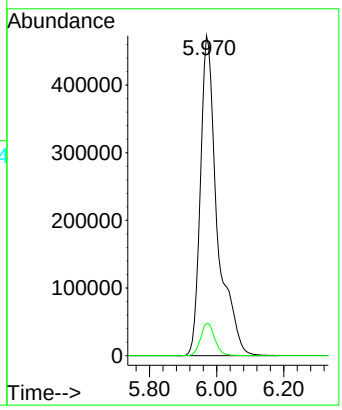


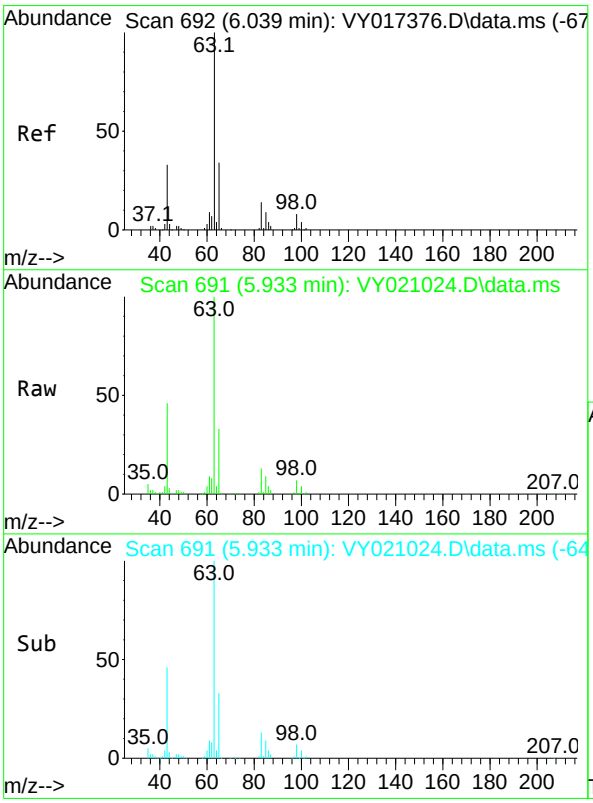
#23
Vinyl Acetate
Concen: 660.973 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1653156

Ion	Ratio	Lower	Upper
43	100		
86	10.0	9.7	14.5

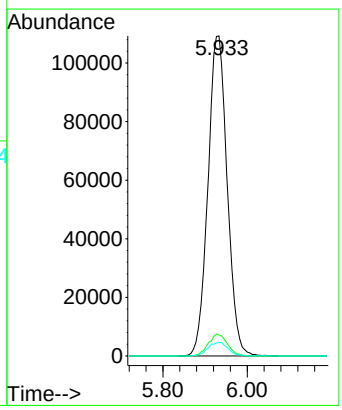


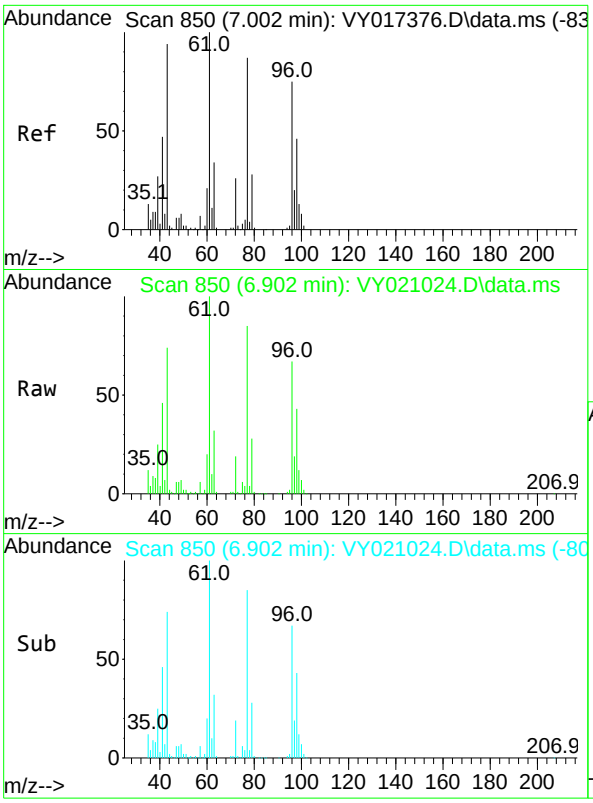


#24
1,1-Dichloroethane
Concen: 118.878 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 346367

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.7	11.1
100	4.1	2.4	7.2



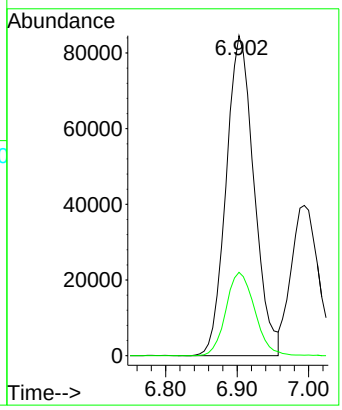


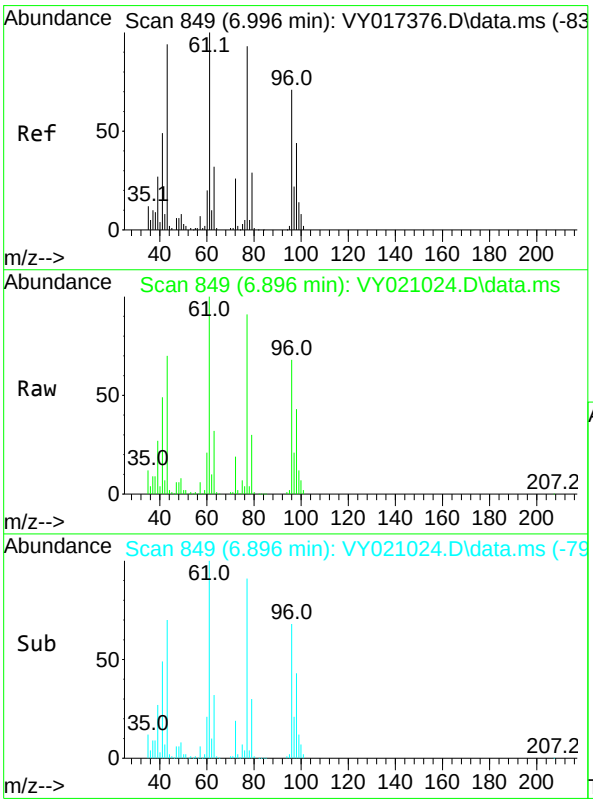
#25
2-Butanone
Concen: 613.177 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 229517

Ion	Ratio	Lower	Upper
43	100		
72	26.1	24.3	36.5

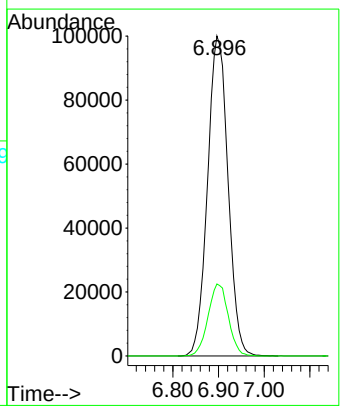


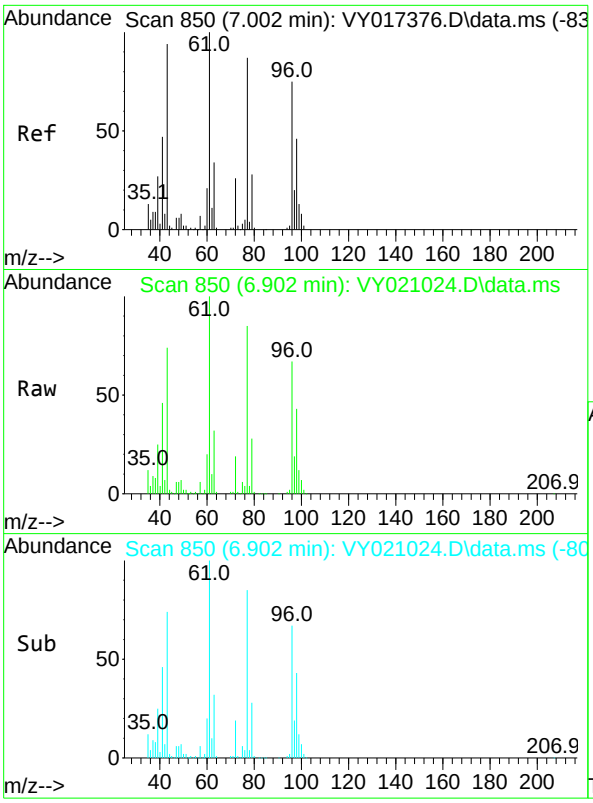


#26
2,2-Dichloropropane
Concen: 108.502 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 77 Resp: 311254

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2



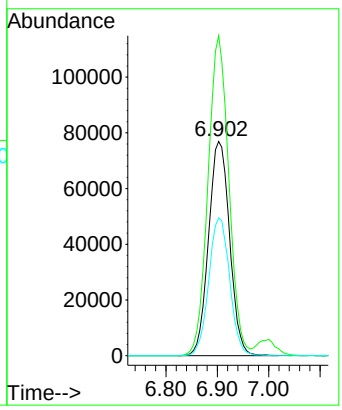


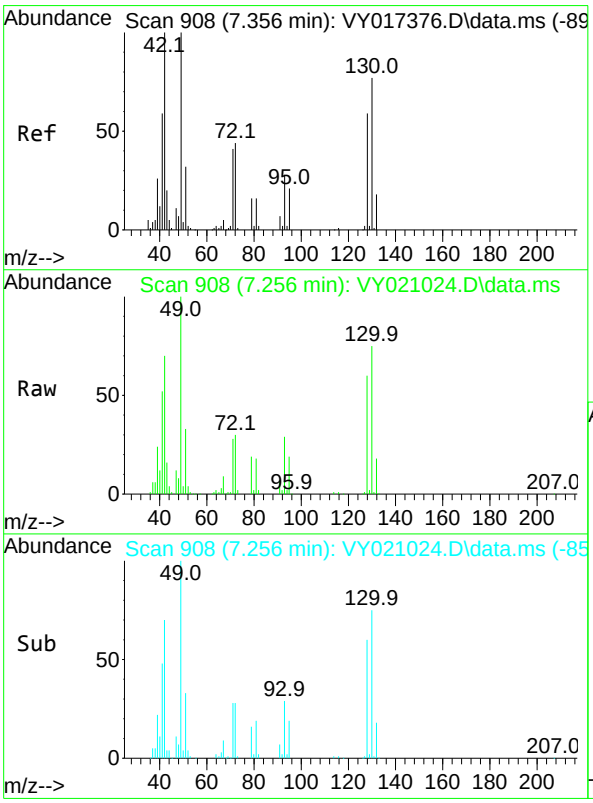
#27
cis-1,2-Dichloroethene
Concen: 110.326 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 218816

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	274.0
98	63.9	0.0	130.4

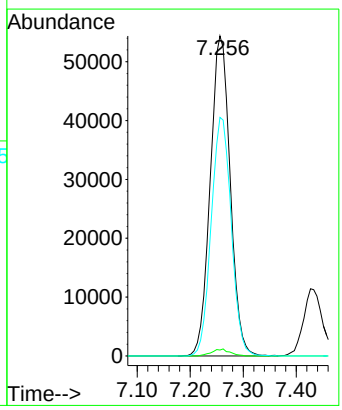


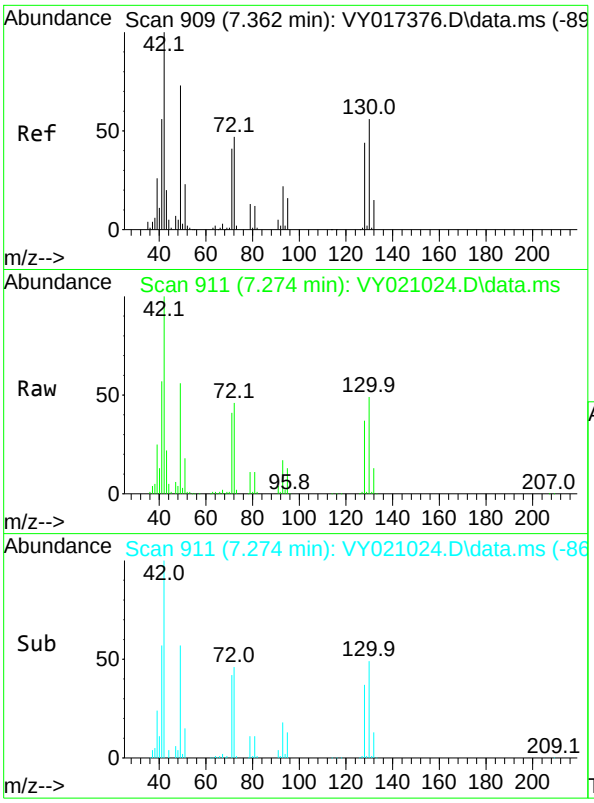


#28
Bromochloromethane
Concen: 130.955 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 49 Resp: 142156

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.0
130	74.8	73.2	109.8



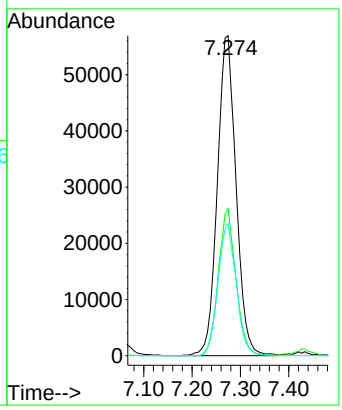


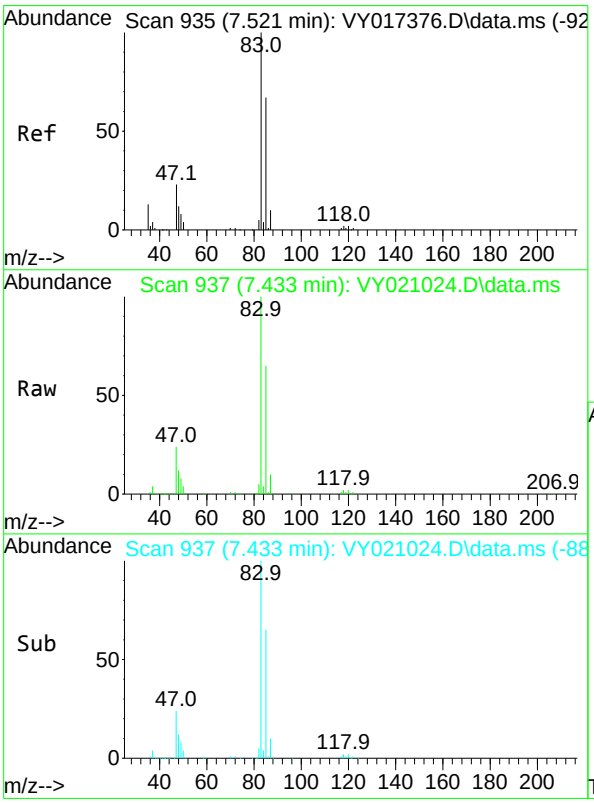
#29
Tetrahydrofuran
Concen: 607.855 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 153104

Ion	Ratio	Lower	Upper
42	100		
72	43.3	39.3	58.9
71	40.2	36.1	54.1

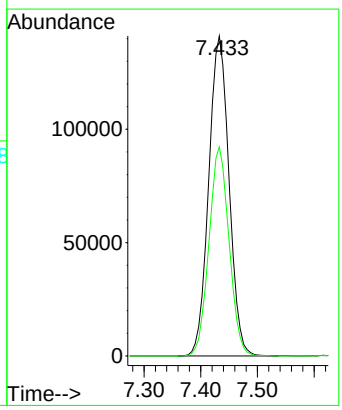


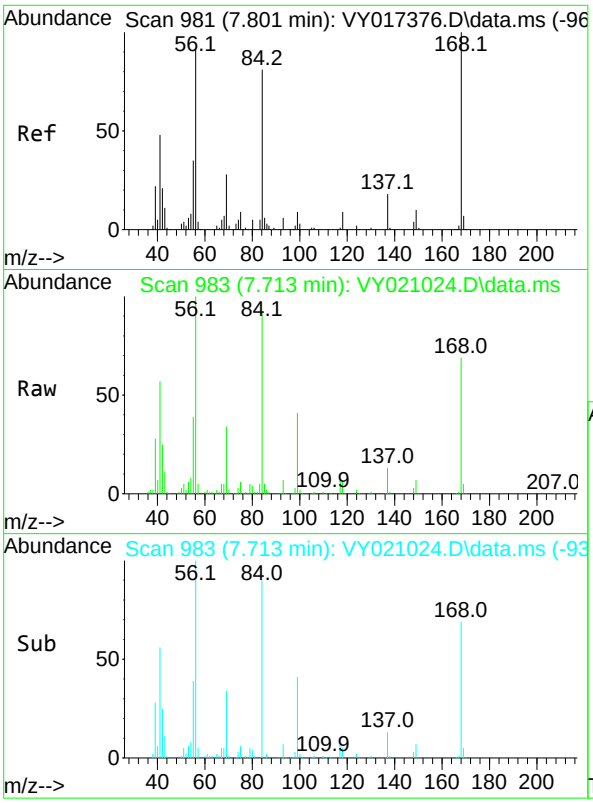


#30
Chloroform
Concen: 111.040 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 350416

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.9	79.3



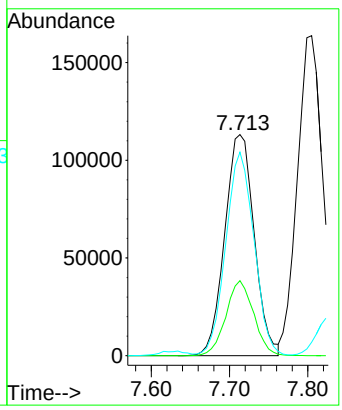


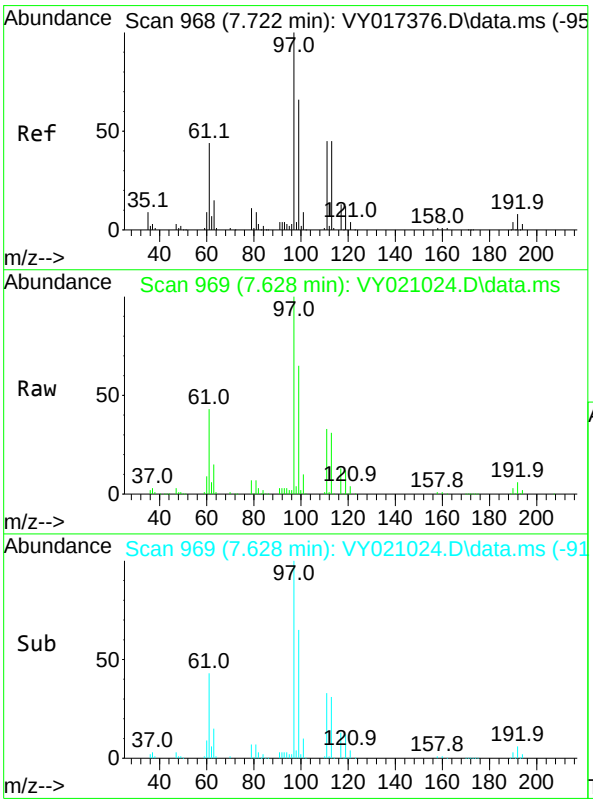
#31
Cyclohexane
Concen: 104.021 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 296243

Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.7	41.5
84	90.1	77.5	116.3

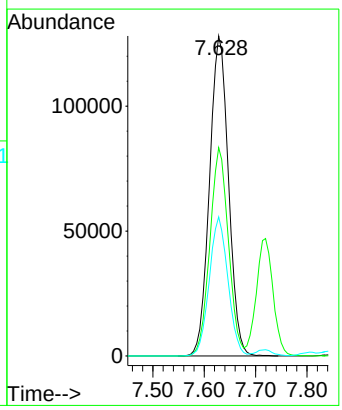


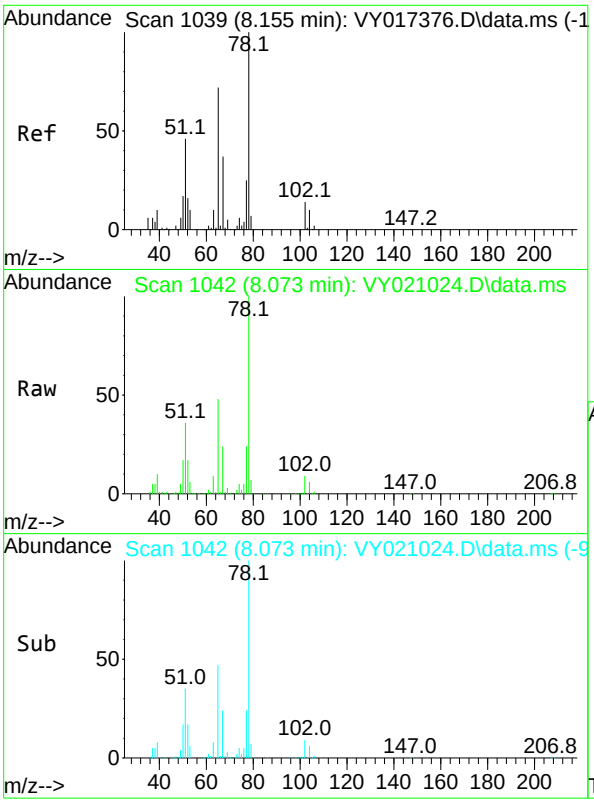


#32
1,1,1-Trichloroethane
Concen: 107.493 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 328296

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	42.7	31.4	47.0



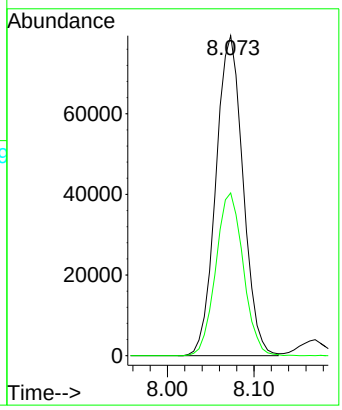


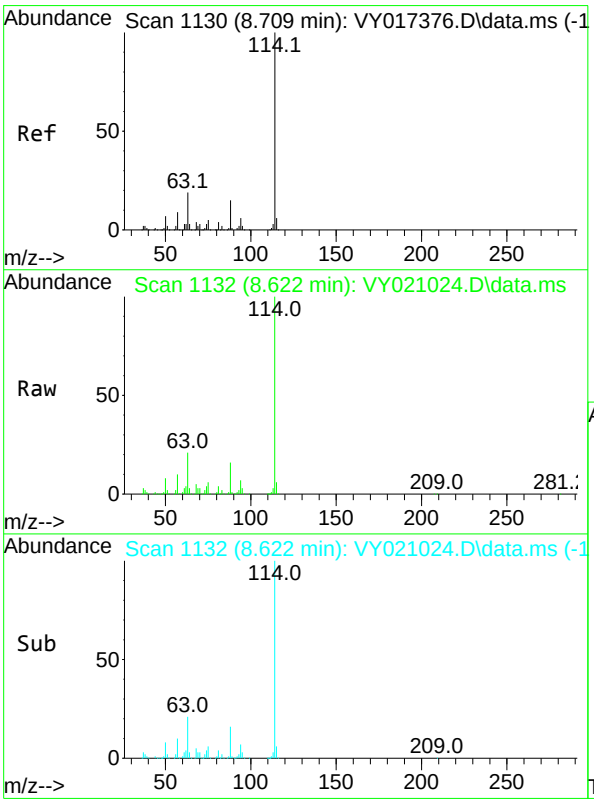
#33
1,2-Dichloroethane-d4
Concen: 106.741 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 172797

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.4

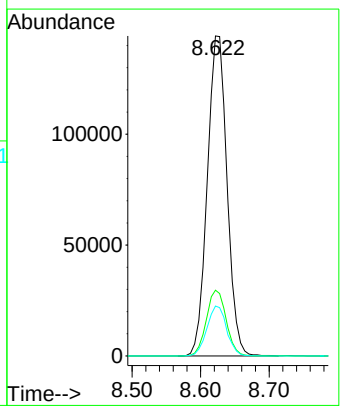


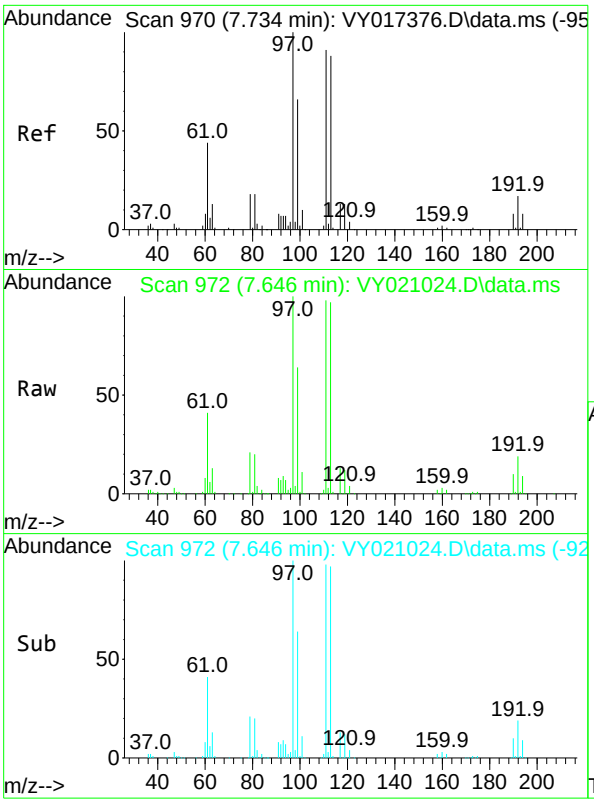


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:114 Resp: 289157

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	37.2
88	15.6	0.0	29.6



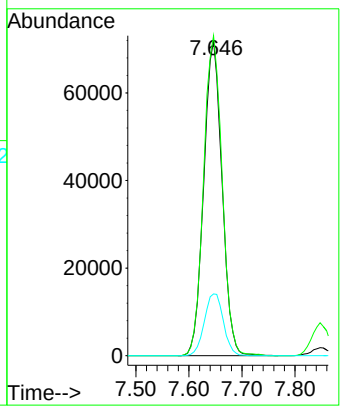


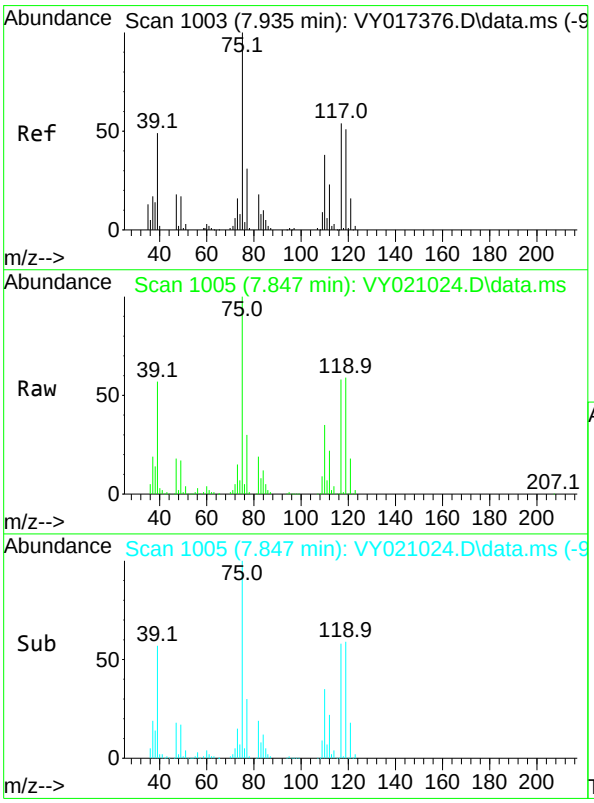
#35
Dibromofluoromethane
Concen: 98.858 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 171851

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.5	16.8	25.2

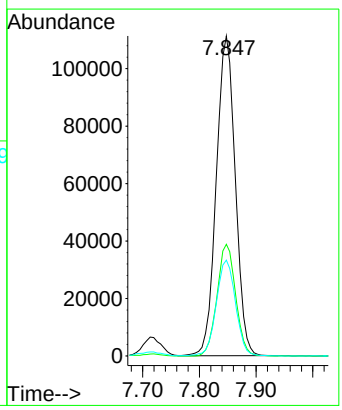


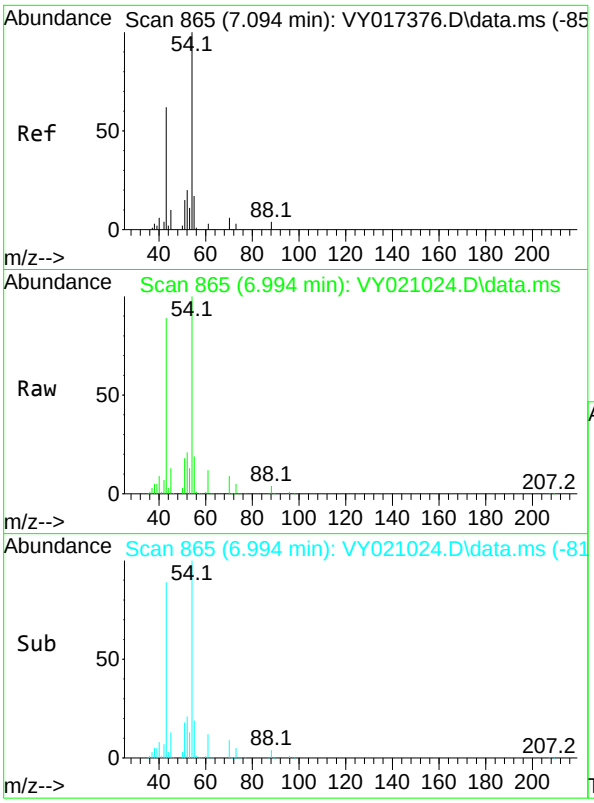


#36
1,1-Dichloropropene
Concen: 104.370 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 258833

Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.4	55.2
77	30.5	24.9	37.3



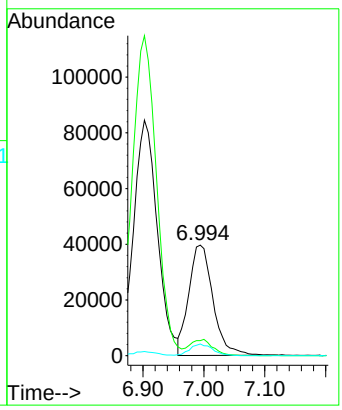


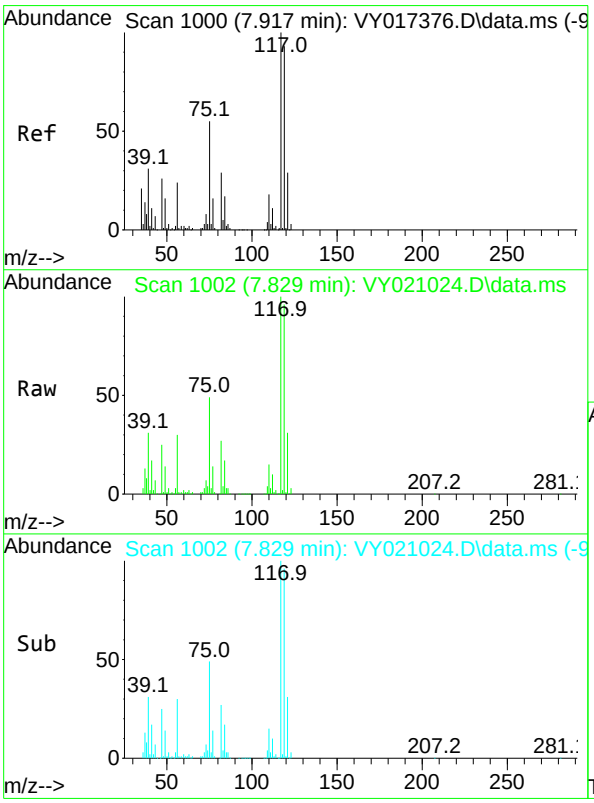
#37
Ethyl Acetate
Concen: 117.685 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 108807

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	9.9	9.6	14.4

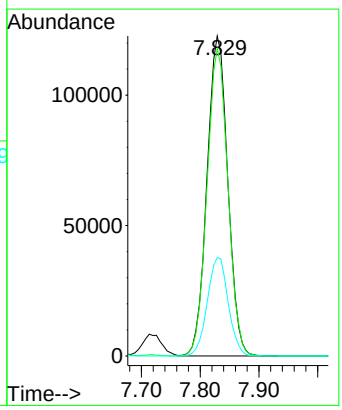


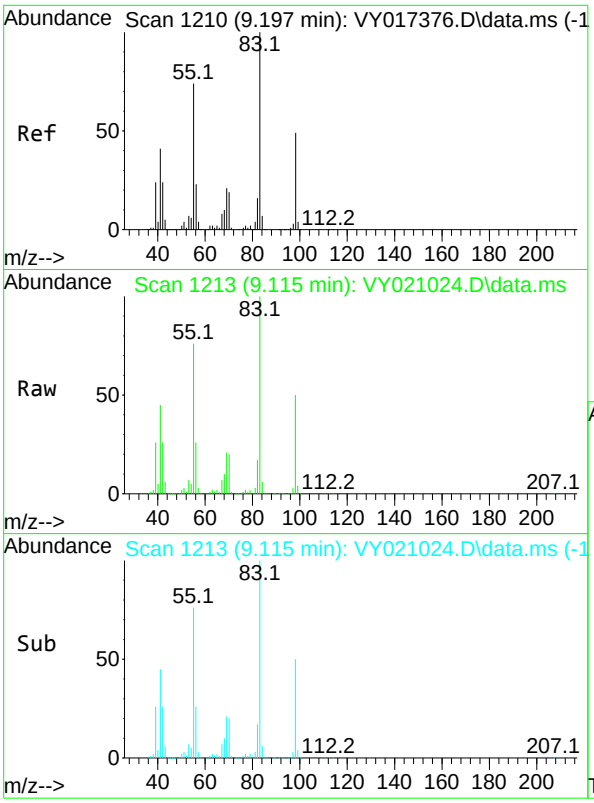


#38
Carbon Tetrachloride
Concen: 98.406 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 302001

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.0	112.6
121	30.8	24.2	36.2



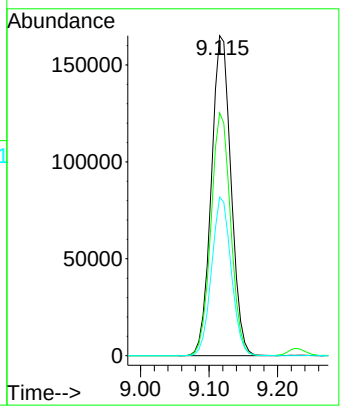


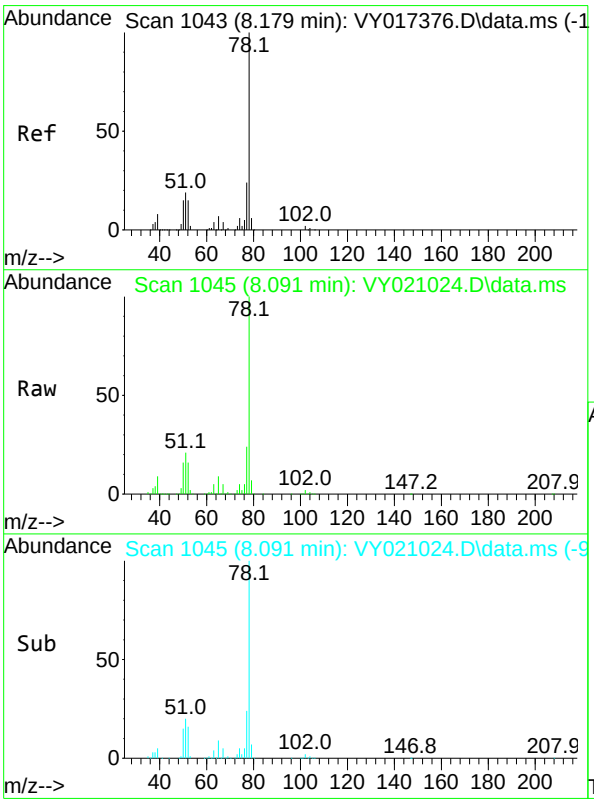
#39
Methylcyclohexane
Concen: 99.014 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 329865

Ion	Ratio	Lower	Upper
83	100		
55	75.9	54.9	82.3
98	49.5	40.5	60.7

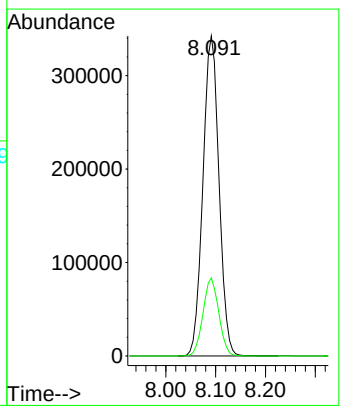


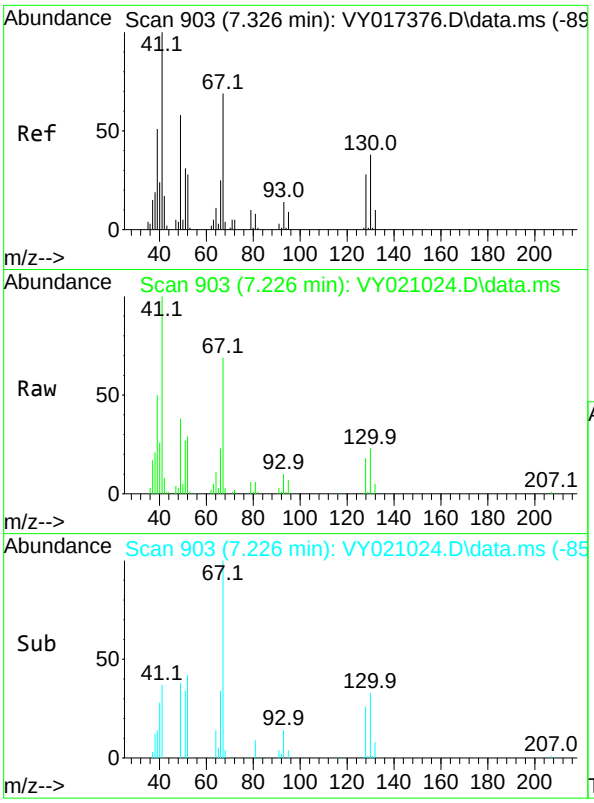


#40
Benzene
Concen: 104.883 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 78 Resp: 765340

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.2



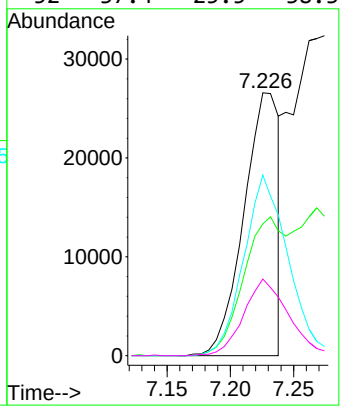


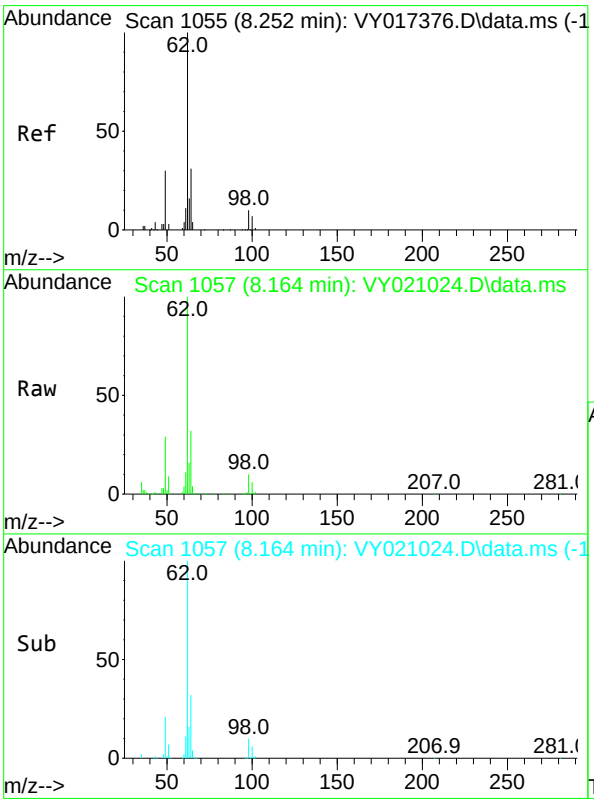
#41
Methacrylonitrile
Concen: 100.841 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 51586

Ion	Ratio	Lower	Upper
41	100		
39	62.0	41.6	62.4
67	86.8	63.8	95.6
52	37.4	25.5	38.3

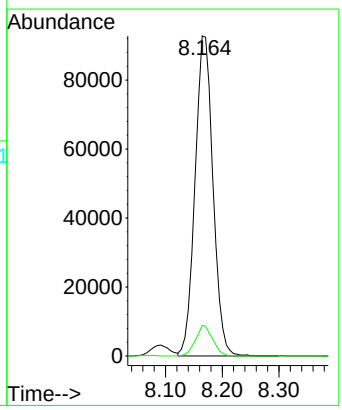


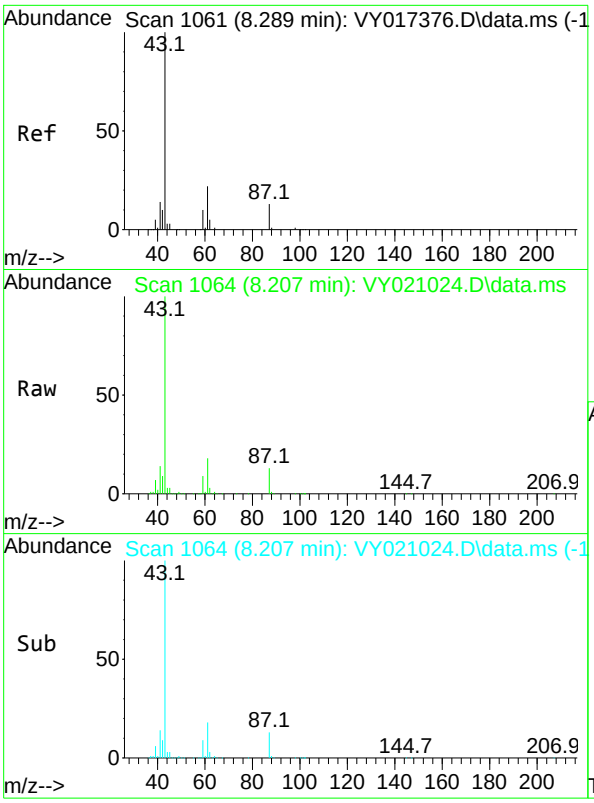


#42
1,2-Dichloroethane
Concen: 110.147 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 203840

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4



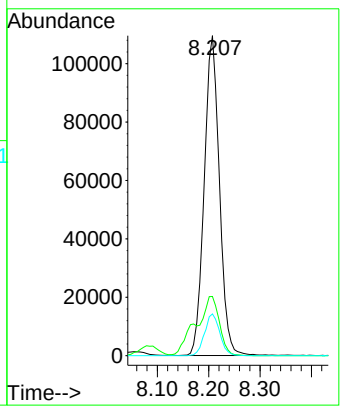


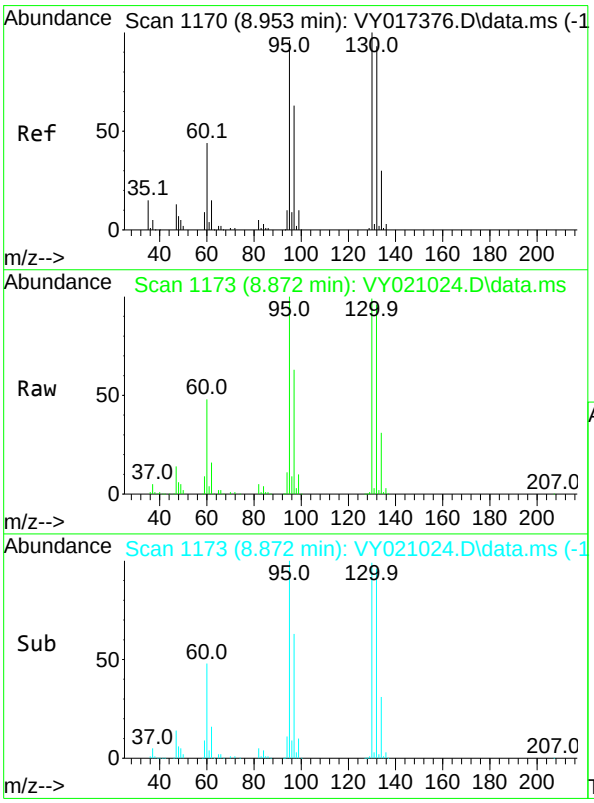
#43
Isopropyl Acetate
Concen: 121.752 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 224883

Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.8	23.6#
87	13.1	12.5	18.7

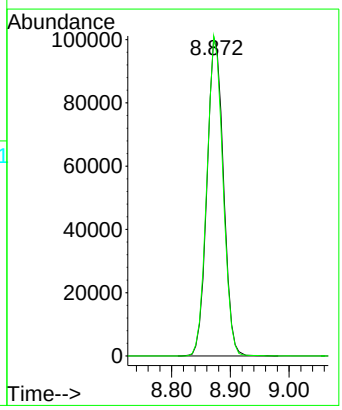


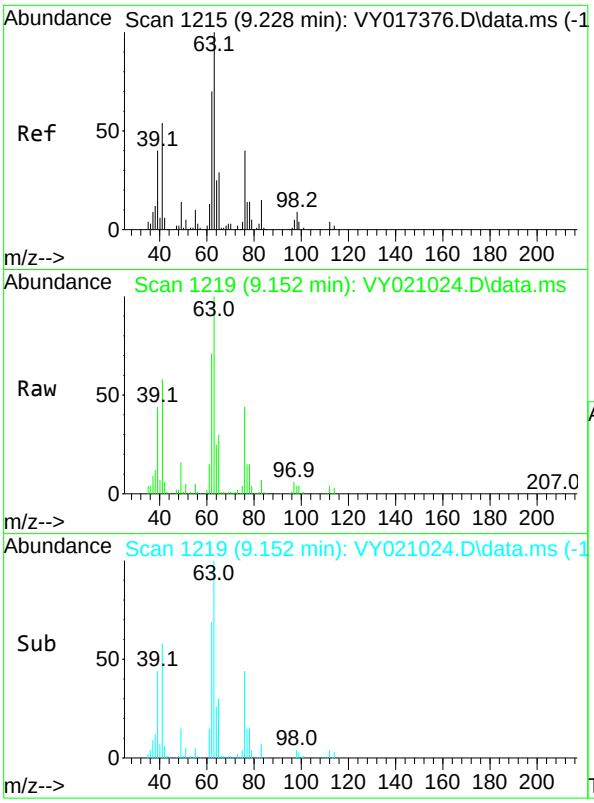


#44
Trichloroethene
Concen: 97.046 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:130 Resp: 195403

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	189.6



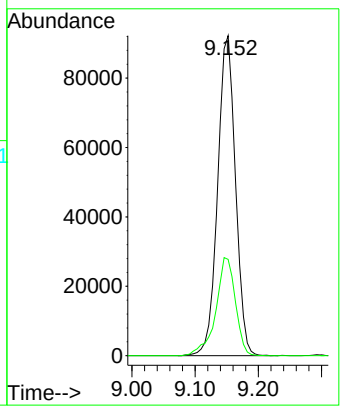


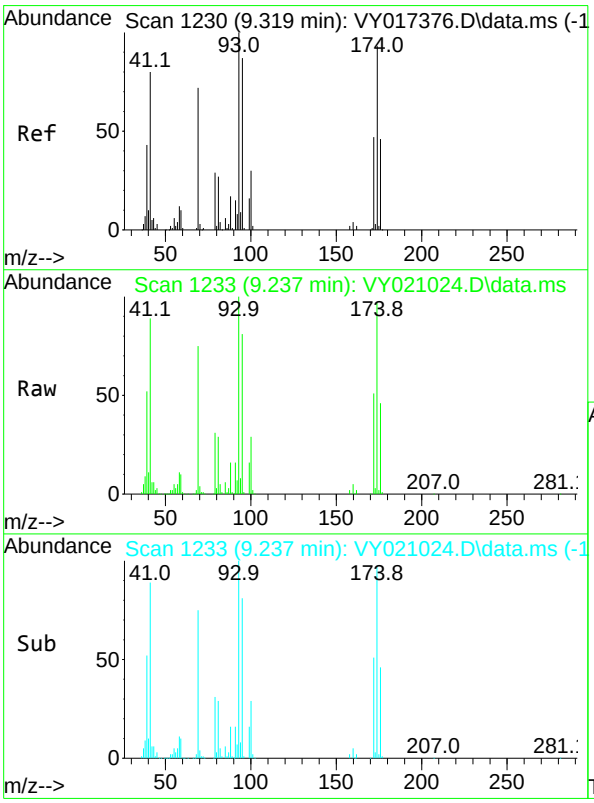
#45
1,2-Dichloropropane
Concen: 110.034 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 179965

Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.6	35.4

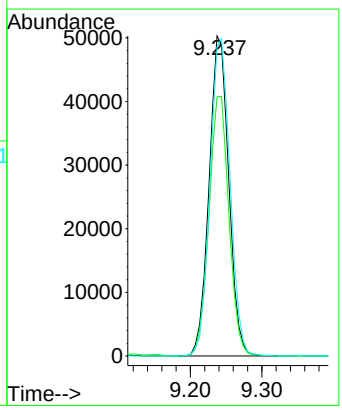


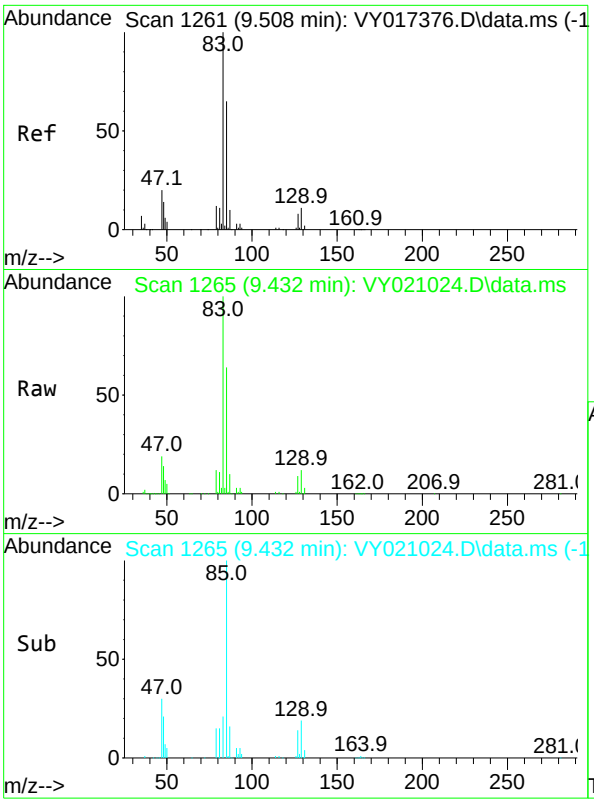


#46
Dibromomethane
Concen: 100.827 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 93 Resp: 95968

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	100.7	88.1	132.1



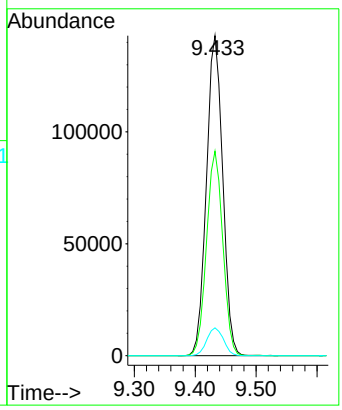


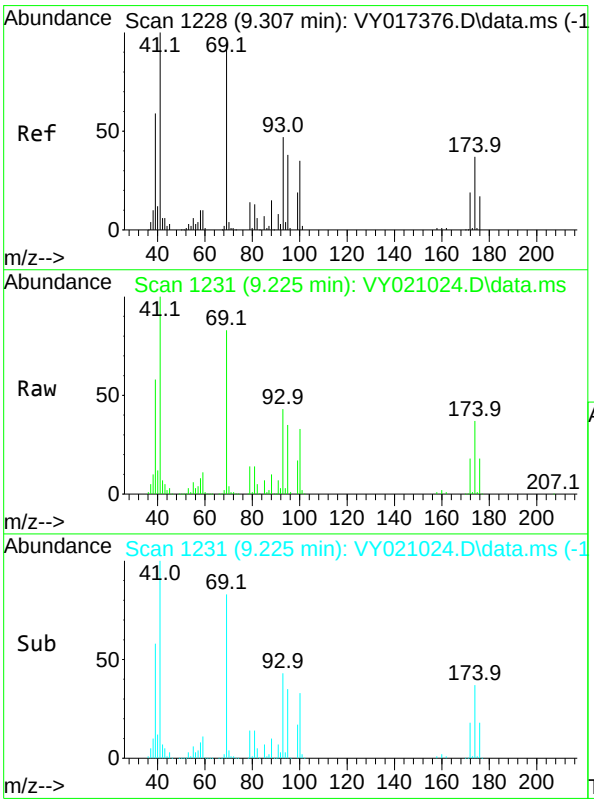
#47
Bromodichloromethane
Concen: 106.226 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 265518

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.6	74.4
127	8.7	7.1	10.7

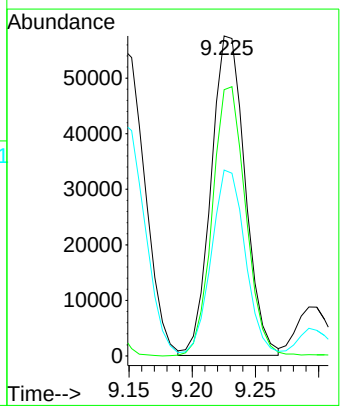


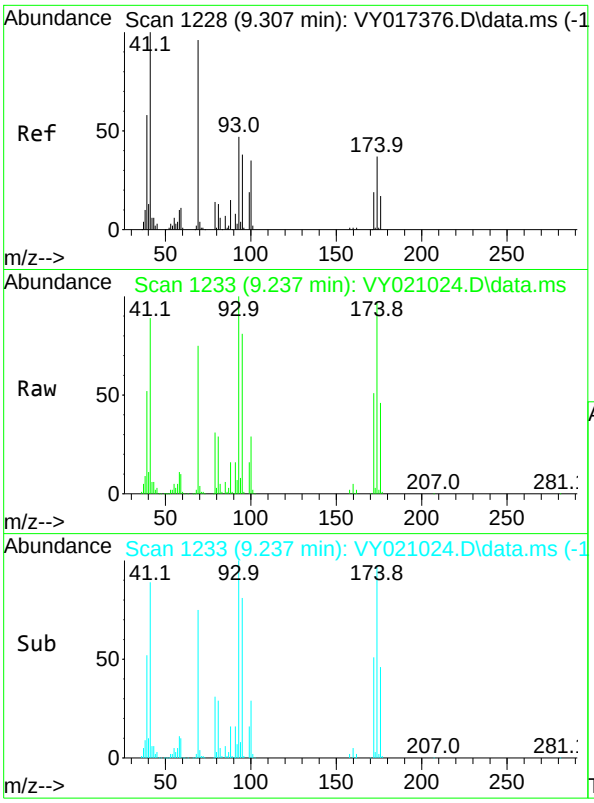


#48
Methyl methacrylate
Concen: 122.427 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 107661

Ion	Ratio	Lower	Upper
41	100		
69	82.8	75.6	113.4
39	56.2	41.3	61.9



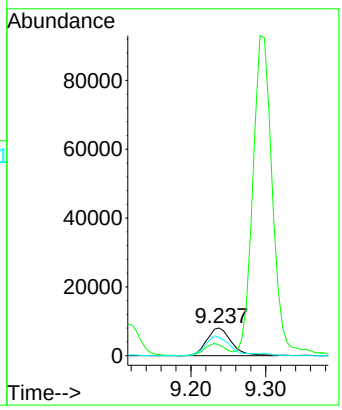


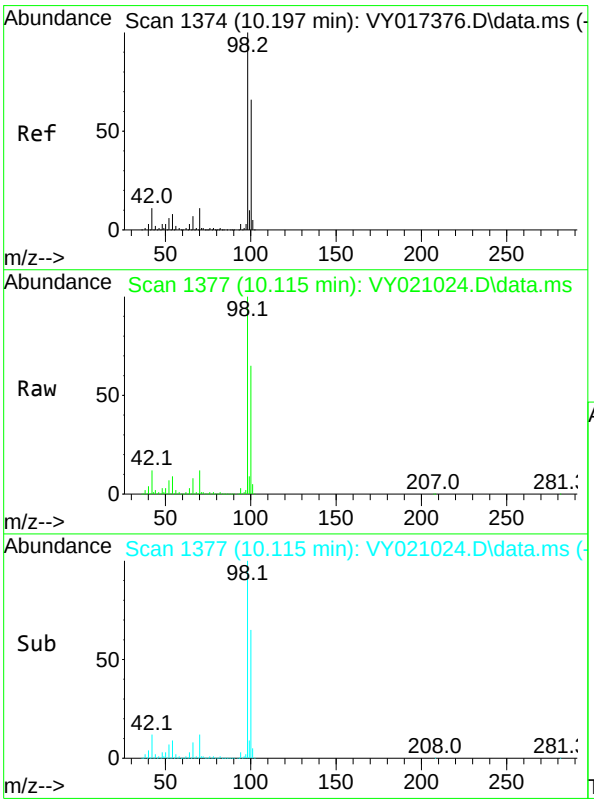
#49
1,4-Dioxane
Concen: 1817.108 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 18378

Ion	Ratio	Lower	Upper
88	100		
43	37.9	24.2	36.4#
58	71.1	57.3	85.9

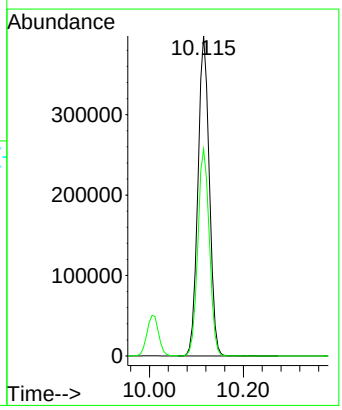


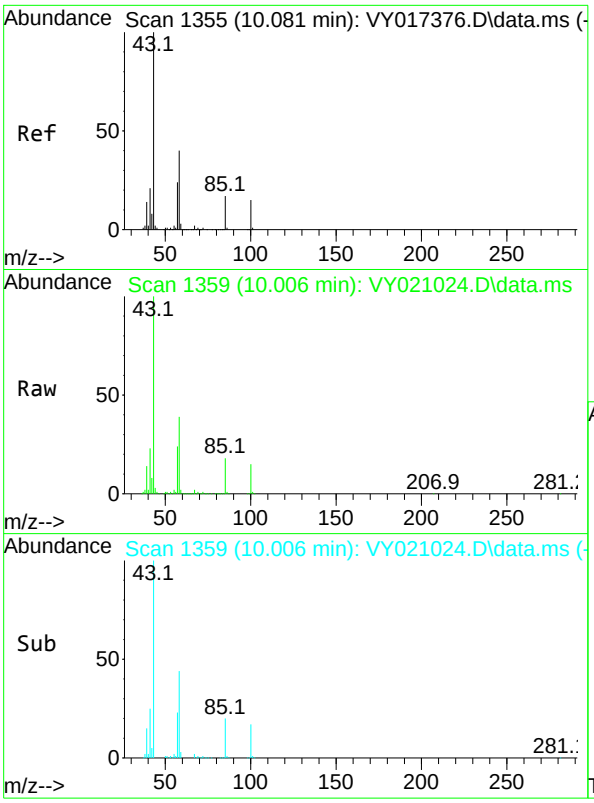


#50
Toluene-d8
Concen: 98.702 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 98 Resp: 669691

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0



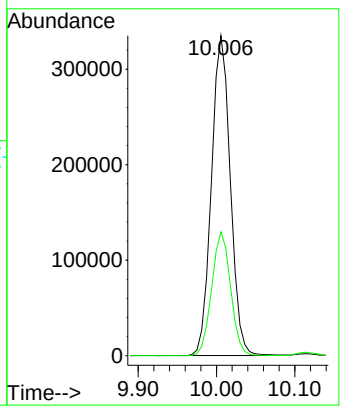


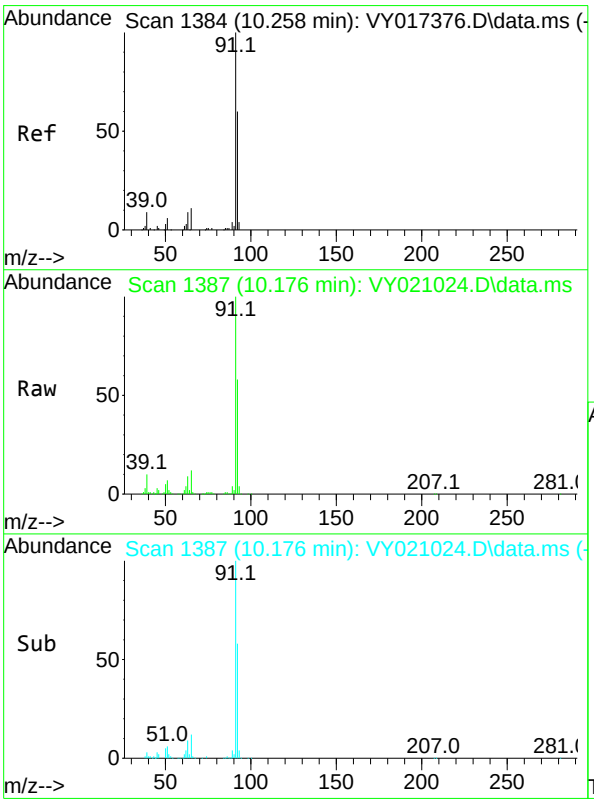
#51
4-Methyl-2-Pentanone
Concen: 592.226 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 562082

Ion	Ratio	Lower	Upper
43	100		
58	38.7	33.8	50.8

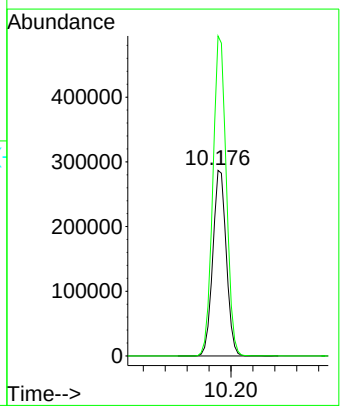


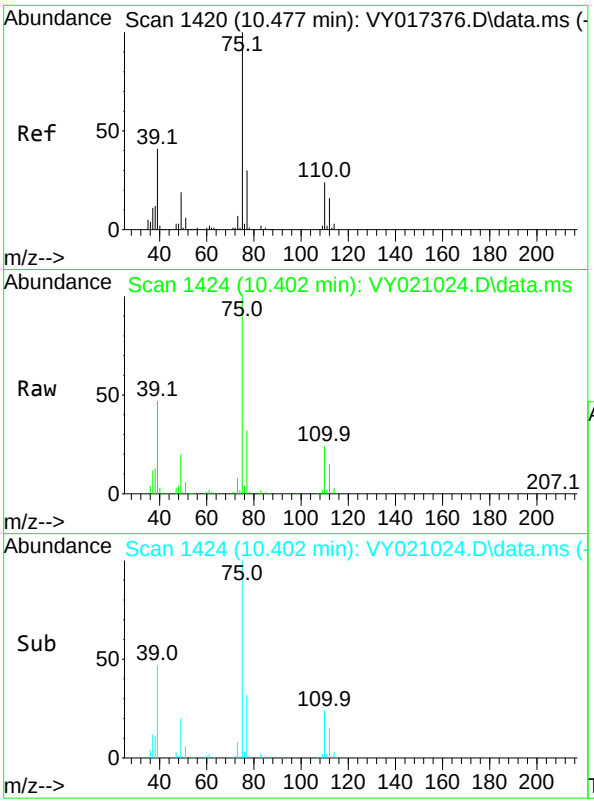


#52
Toluene
Concen: 103.090 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 92 Resp: 488296

Ion	Ratio	Lower	Upper
92	100		
91	171.7	135.8	203.8



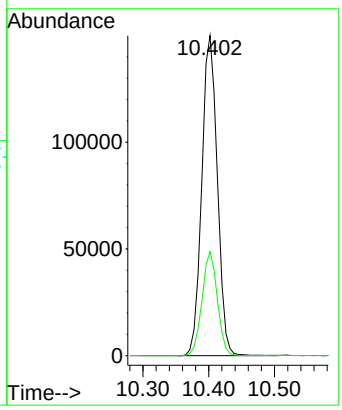


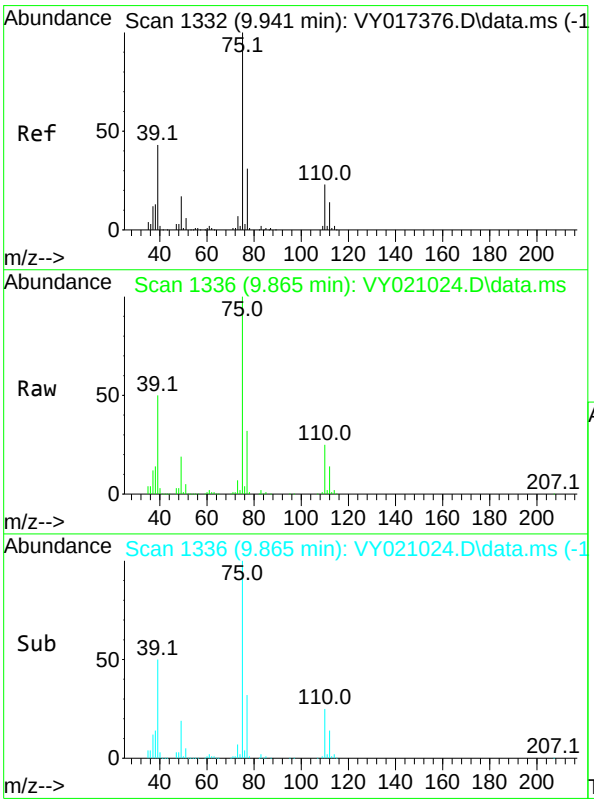
#53
t-1,3-Dichloropropene
Concen: 109.097 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 246769

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.9	38.9

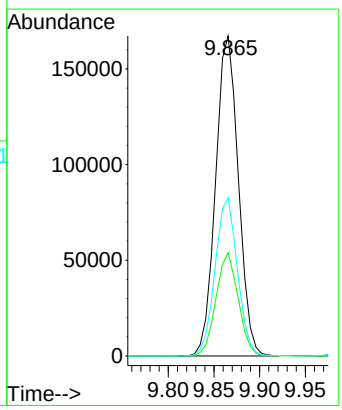


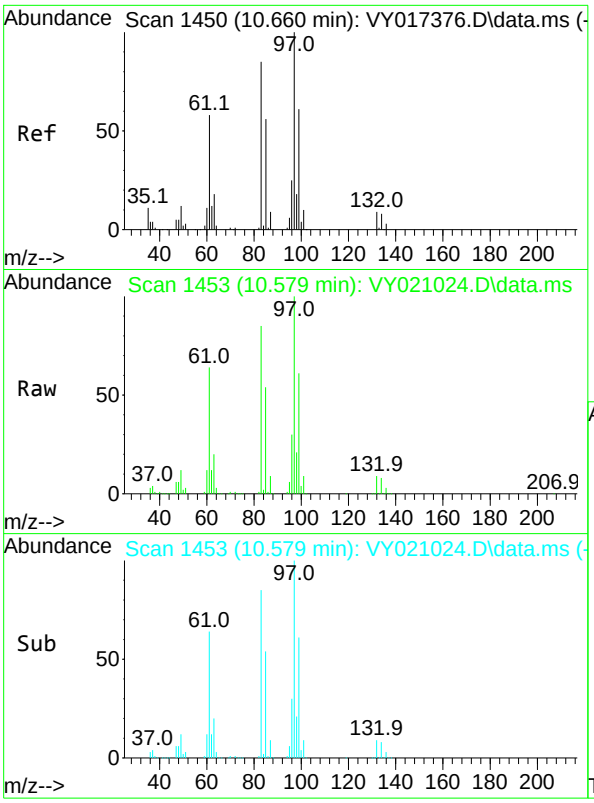


#54
cis-1,3-Dichloropropene
Concen: 107.141 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 289643

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	49.5	32.2	48.2#



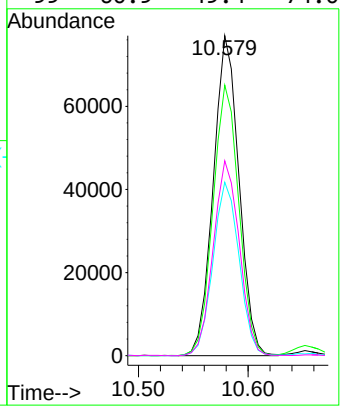


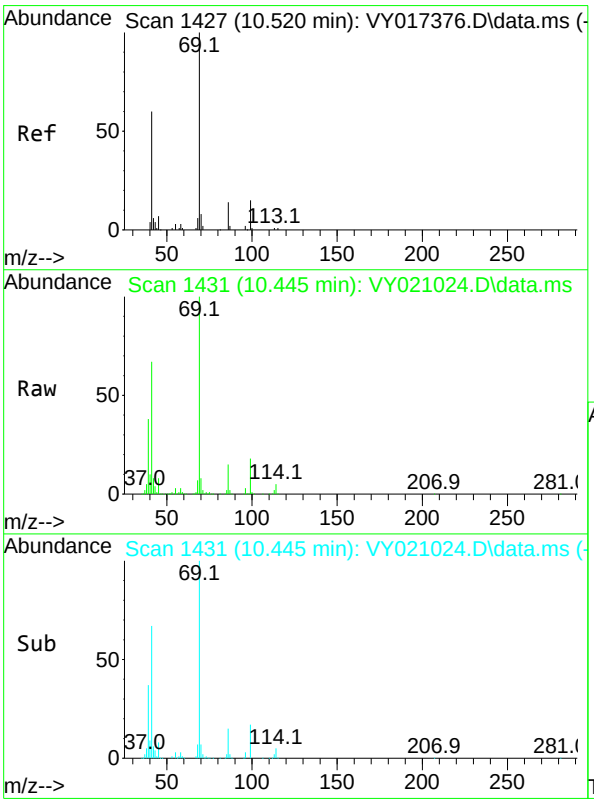
#55
1,1,2-Trichloroethane
Concen: 99.248 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 125626

Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	54.2	43.4	65.2
99	60.9	49.4	74.0

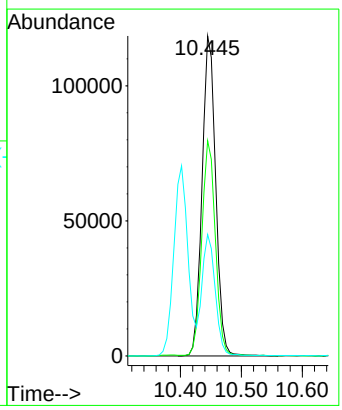


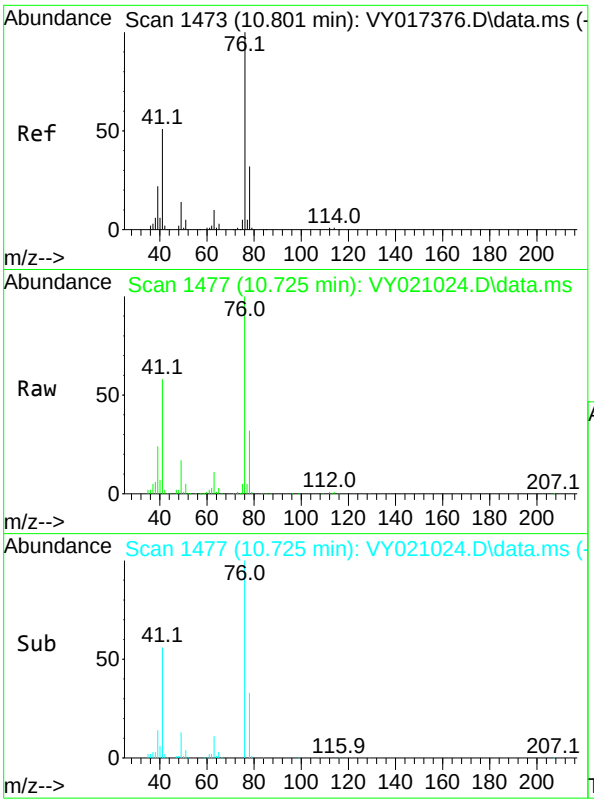


#56
Ethyl methacrylate
Concen: 111.337 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 69 Resp: 184212

Ion	Ratio	Lower	Upper
69	100		
41	66.9	46.3	69.5
39	36.5	24.5	36.7



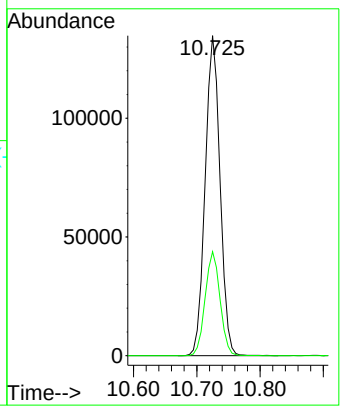


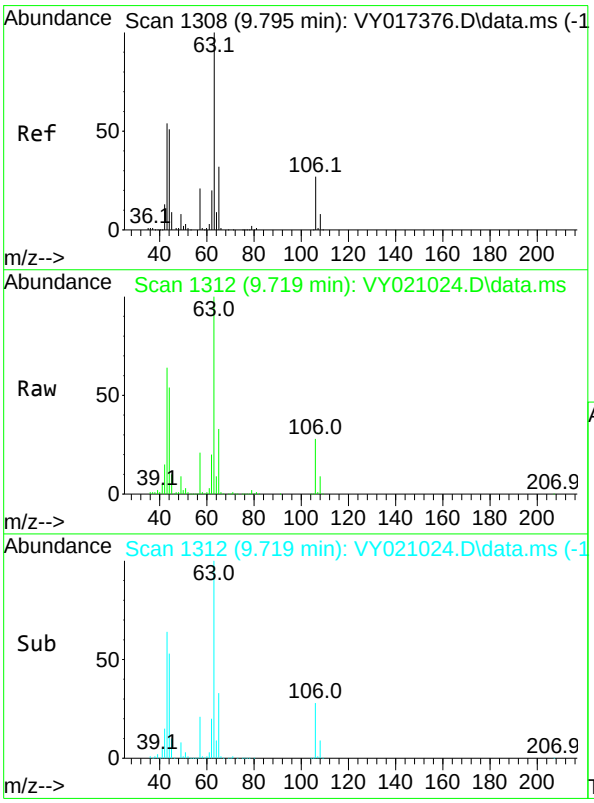
#57
1,3-Dichloropropane
Concen: 102.639 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 220204

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

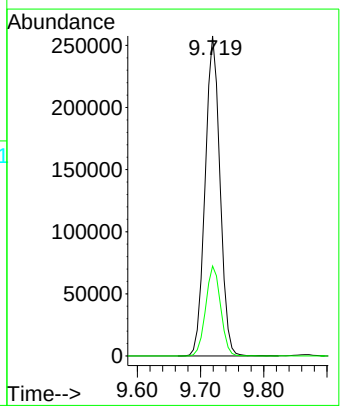


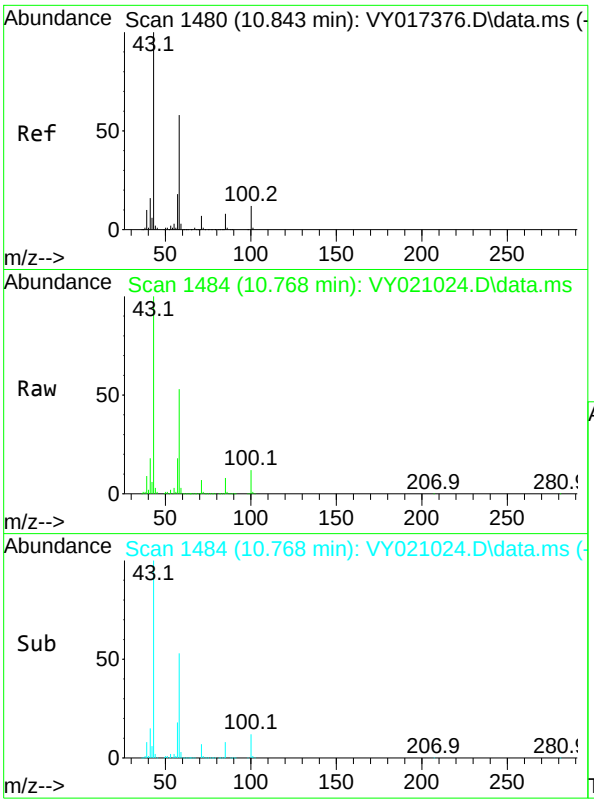


#58
2-Chloroethyl Vinyl ether
Concen: 599.795 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 421206

Ion	Ratio	Lower	Upper
63	100		
106	28.2	24.7	37.1



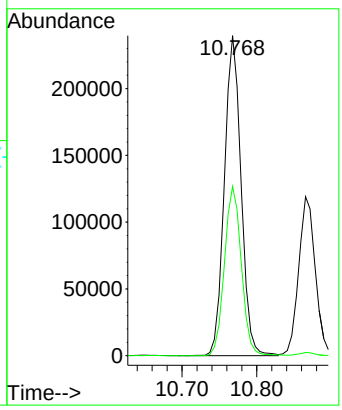


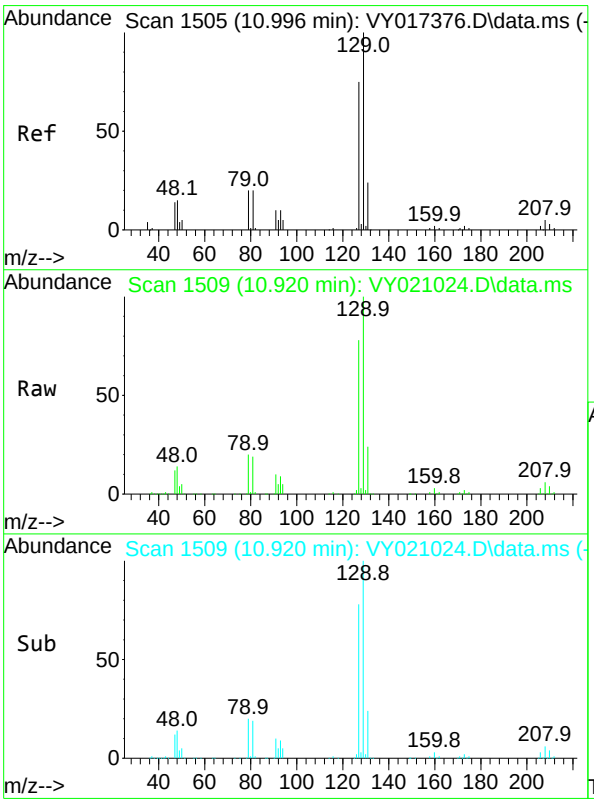
#59
2-Hexanone
Concen: 605.028 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 373249

Ion	Ratio	Lower	Upper
43	100		
58	53.4	29.8	89.3

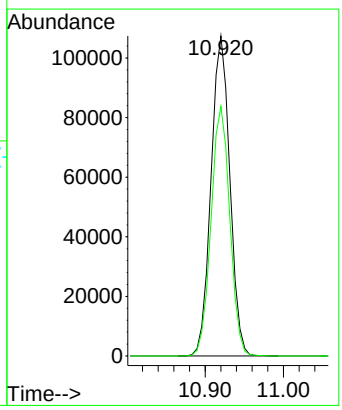


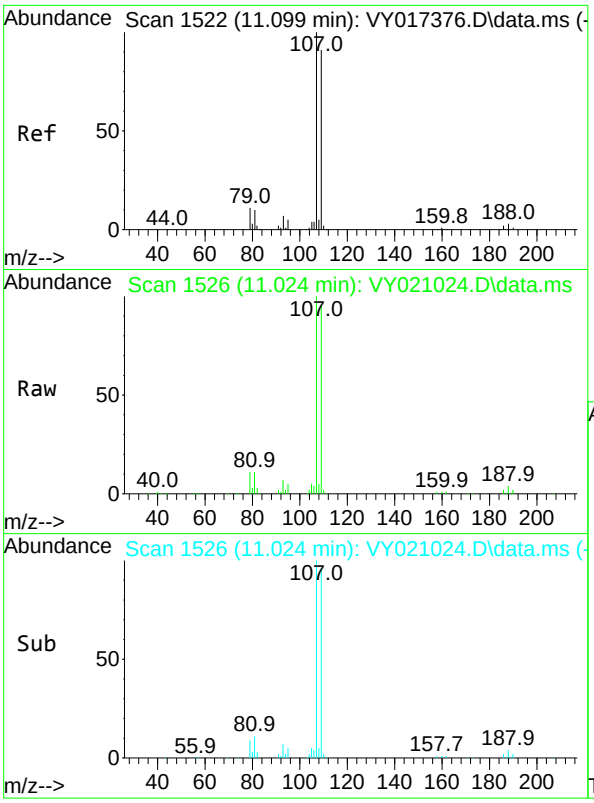


#60
Dibromochloromethane
Concen: 99.202 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:129 Resp: 179036

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3



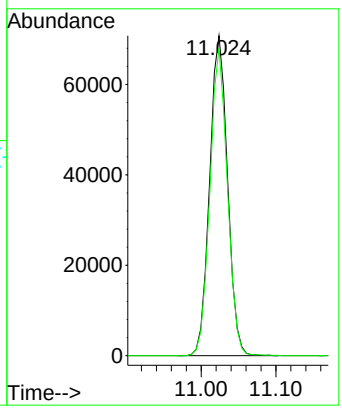


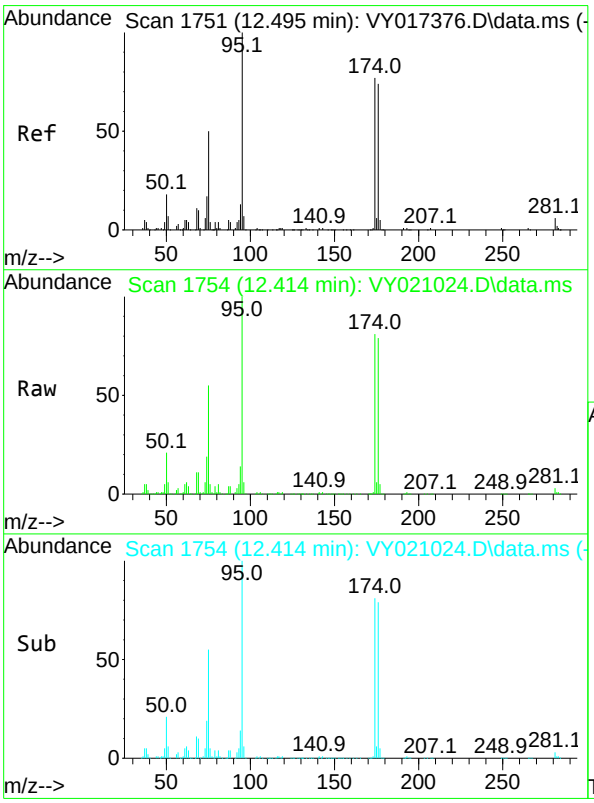
#61
1,2-Dibromoethane
Concen: 97.250 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 117576

Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.6	114.8

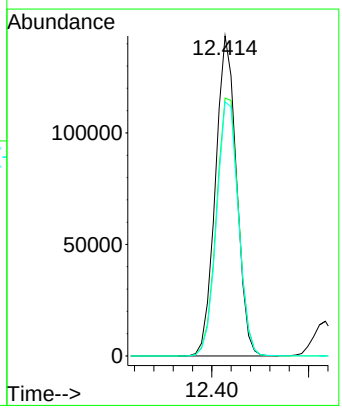


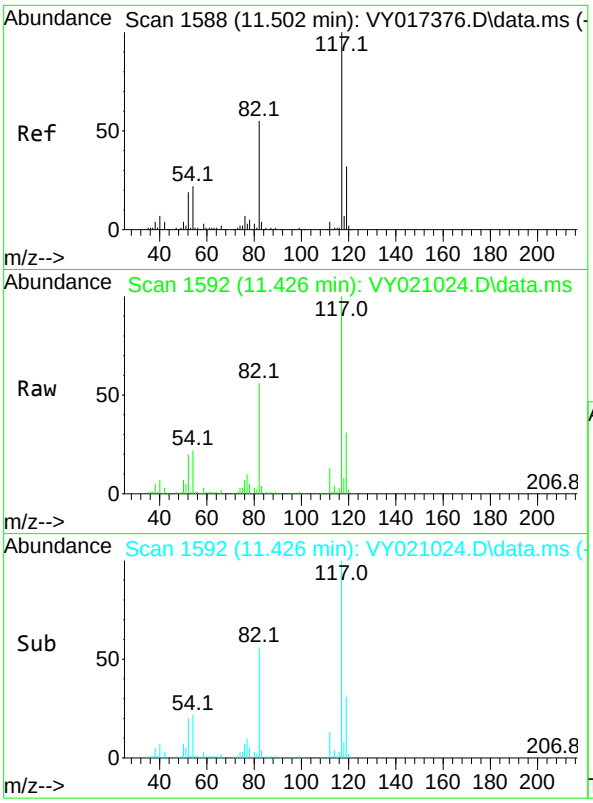


#62
4-Bromofluorobenzene
Concen: 95.157 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 95 Resp: 216644

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	181.2
176	82.0	0.0	175.2



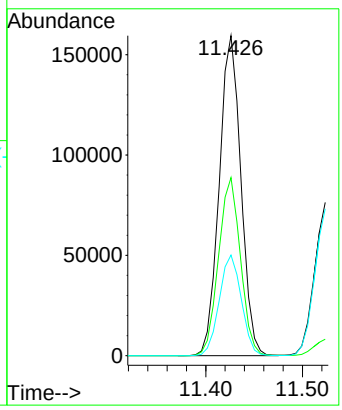


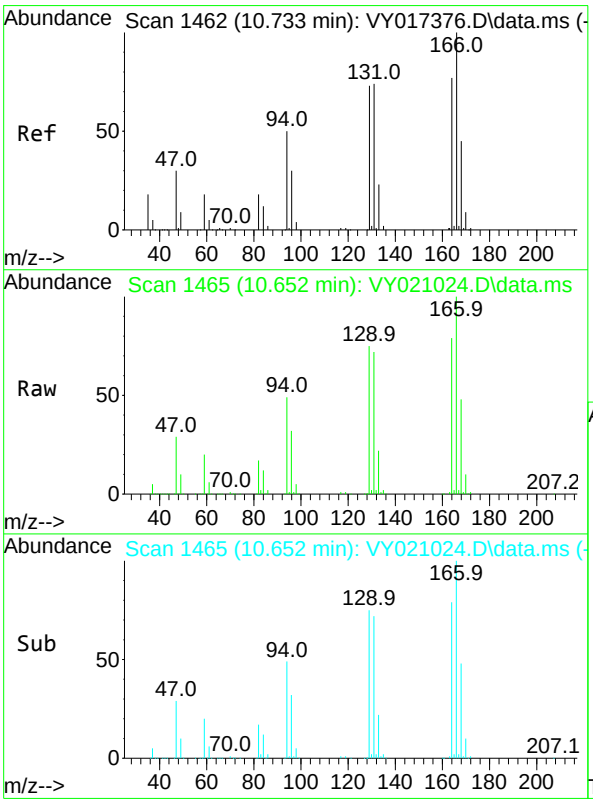
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 248171

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	31.5	25.9	38.9

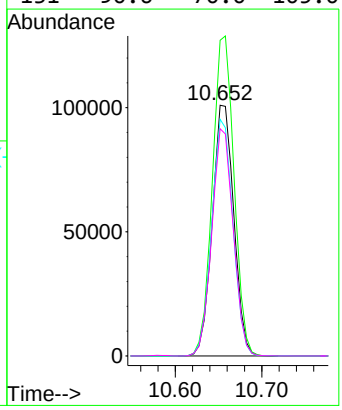


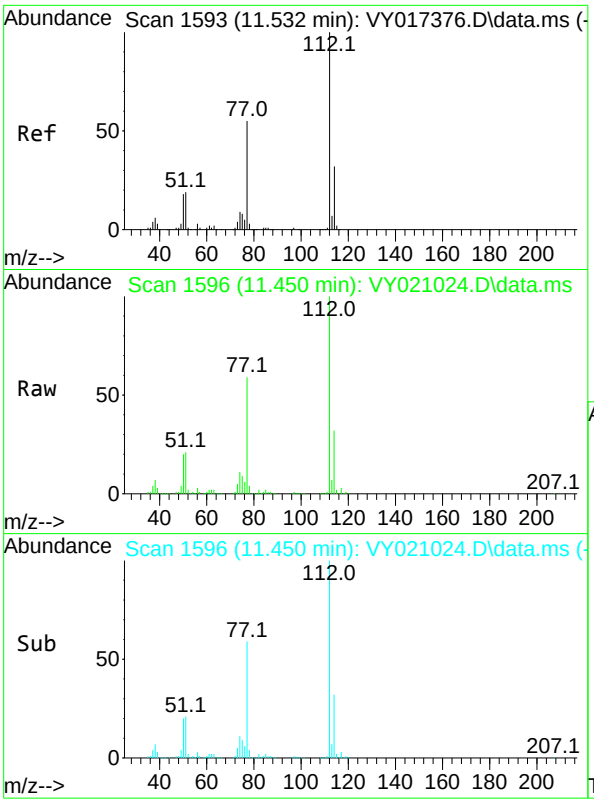


#64
Tetrachloroethene
Concen: 93.066 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:164 Resp: 174223

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	94.4	70.8	106.2
131	90.6	70.0	105.0



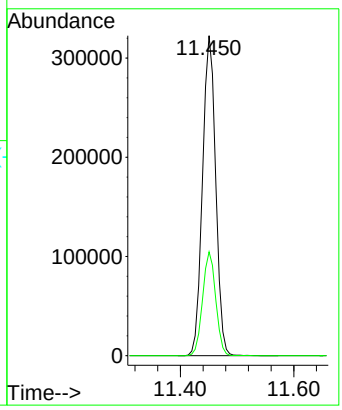


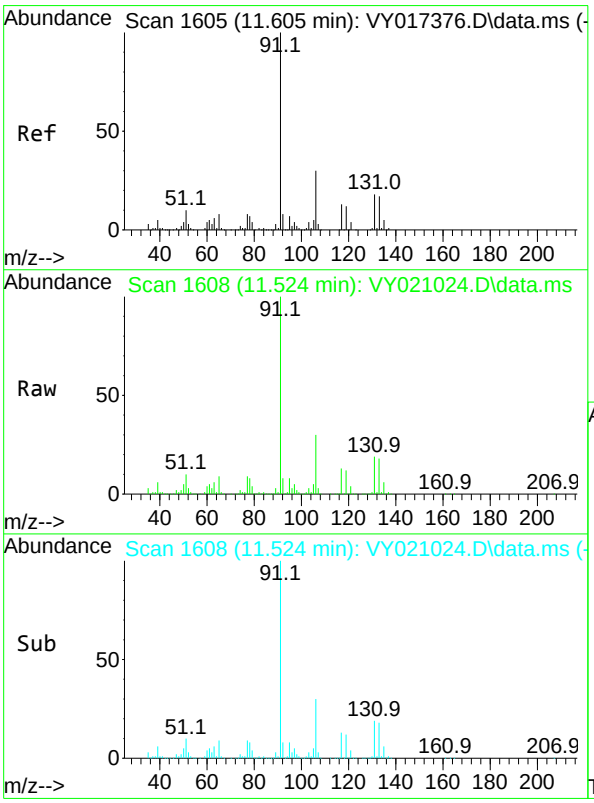
#65
Chlorobenzene
Concen: 99.441 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 519942

Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.6	37.0

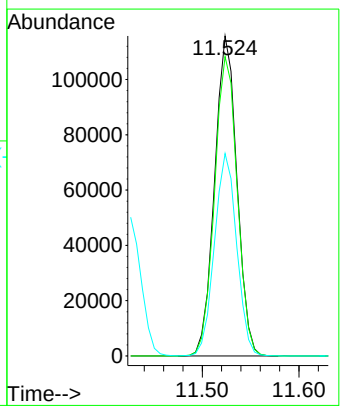


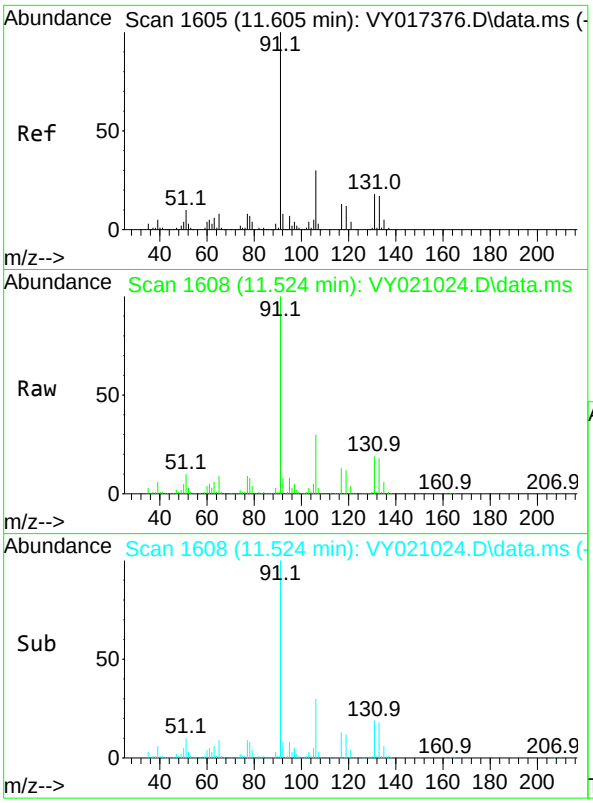


#66
1,1,1,2-Tetrachloroethane
Concen: 99.917 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:131 Resp: 185418

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.7	146.1
119	63.0	31.4	94.3



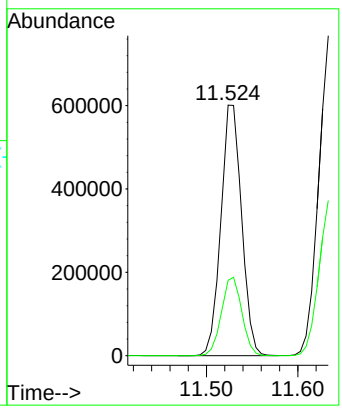


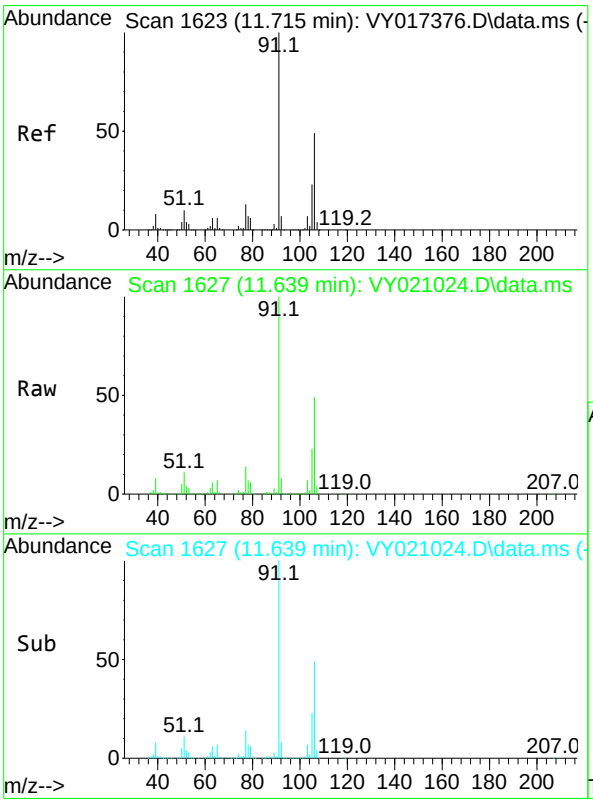
#67
Ethyl Benzene
Concen: 104.939 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 950017

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.9	37.3

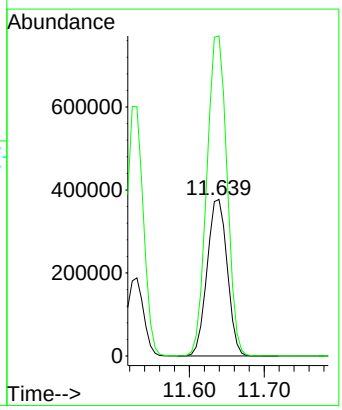


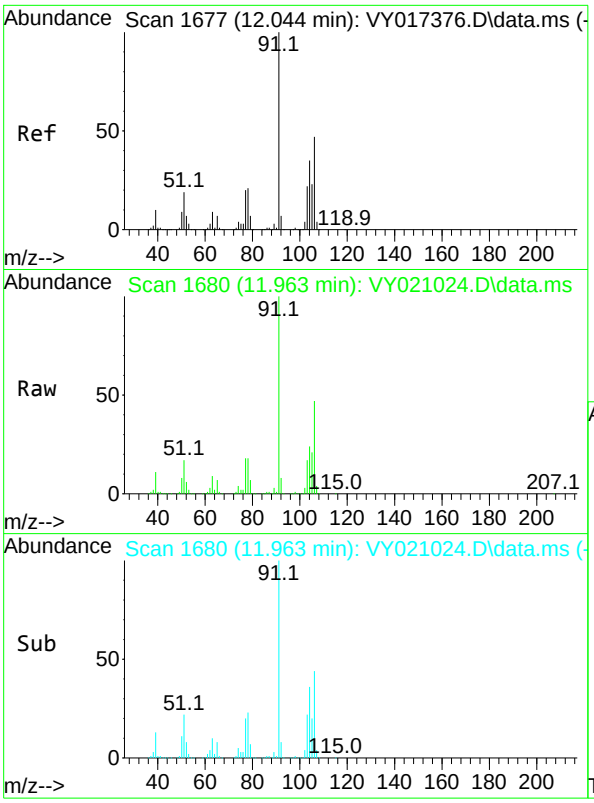


#68
m/p-Xylenes
Concen: 202.801 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:106 Resp: 705393

Ion	Ratio	Lower	Upper
106	100		
91	205.1	160.0	240.0



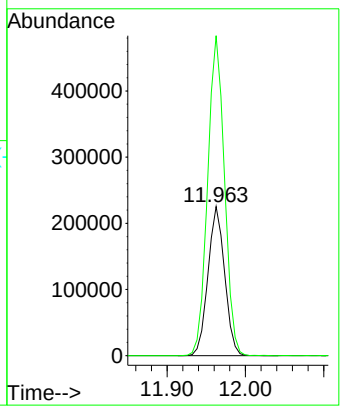


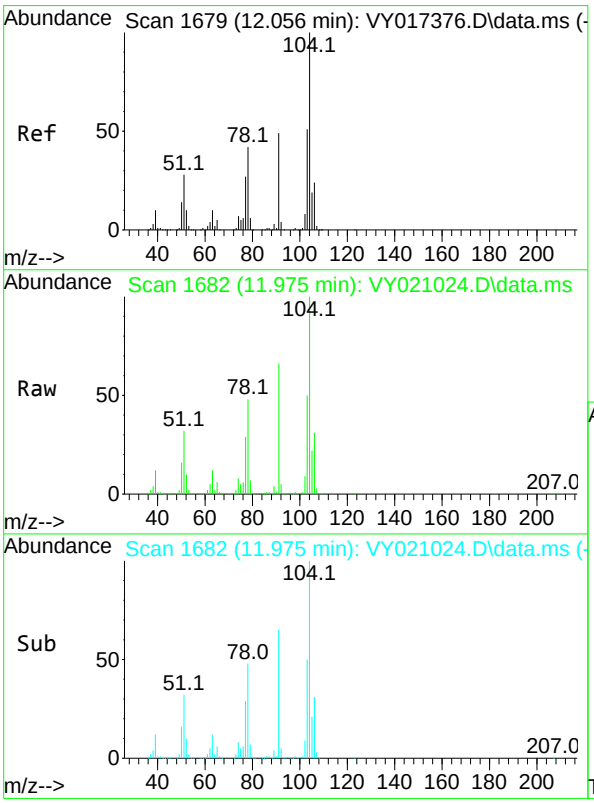
#69
o-Xylene
Concen: 102.783 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 332346

Ion	Ratio	Lower	Upper
106	100		
91	216.9	105.8	317.6

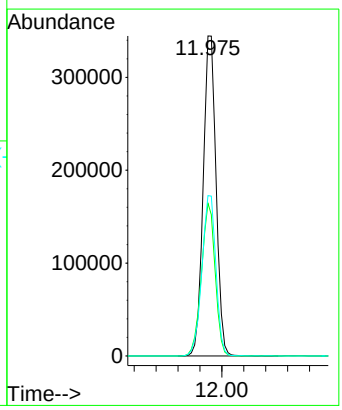


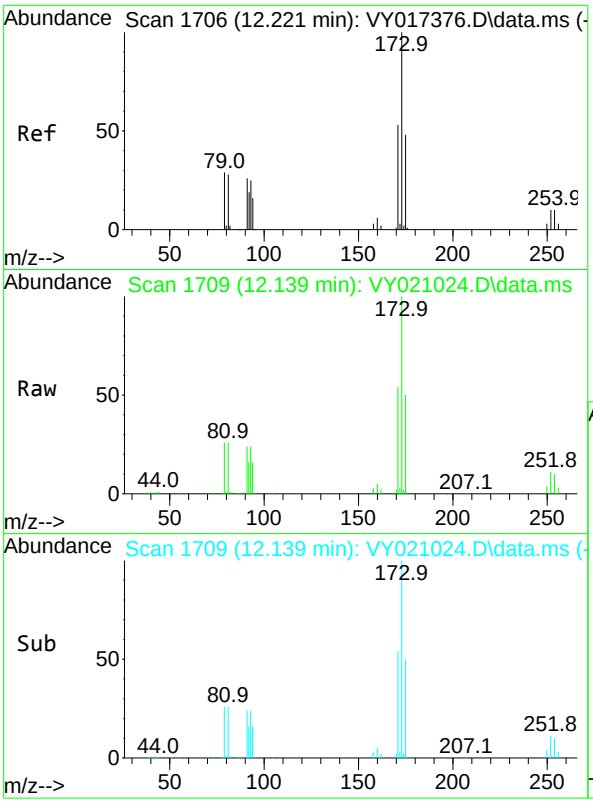


#70
Styrene
Concen: 104.245 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:104 Resp: 559633

Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.0	58.4
103	54.6	43.7	65.5



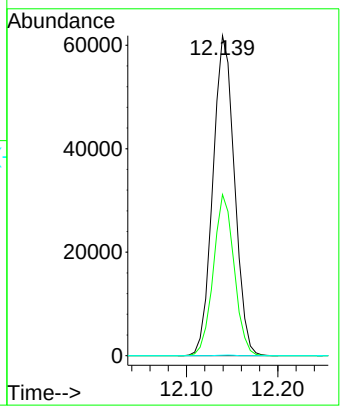


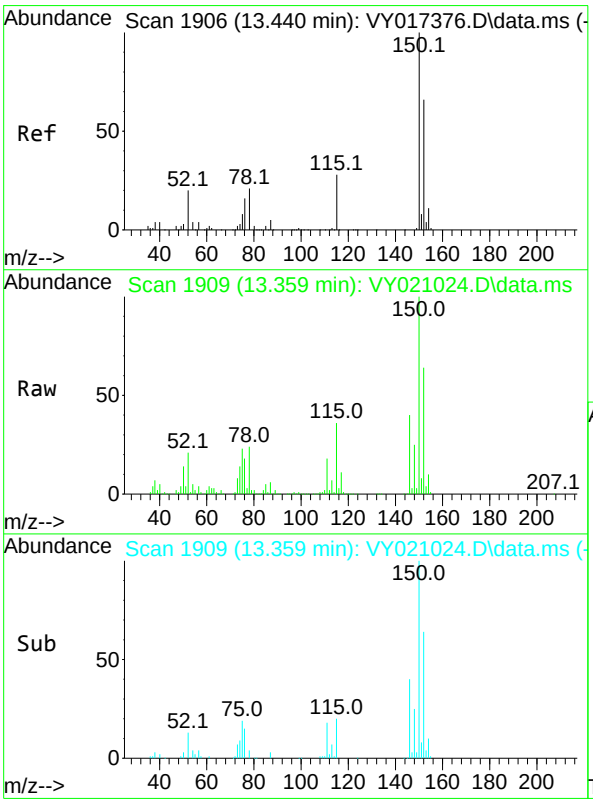
#71
Bromoform
Concen: 92.910 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 101615

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.1	0.0	0.0#

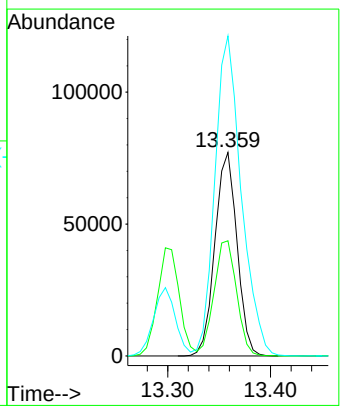


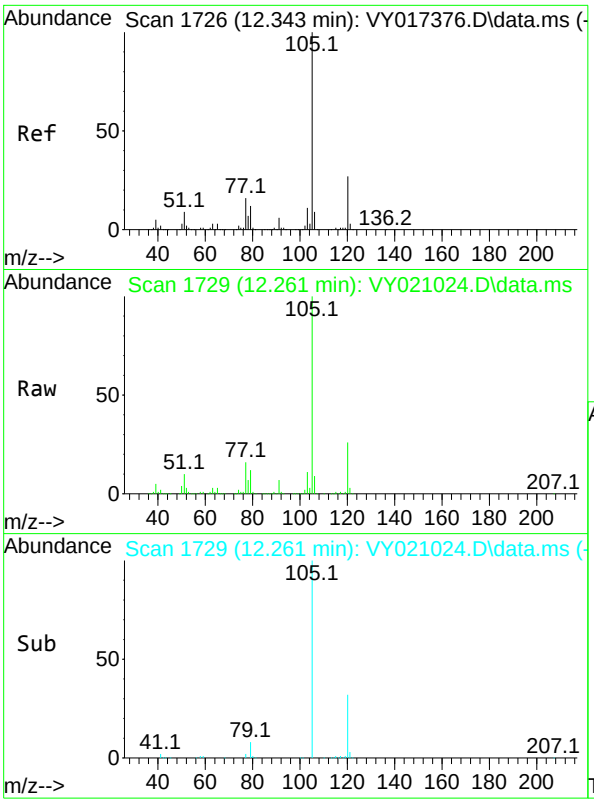


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:152 Resp: 115163

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.4	85.2
150	188.0	0.0	342.8



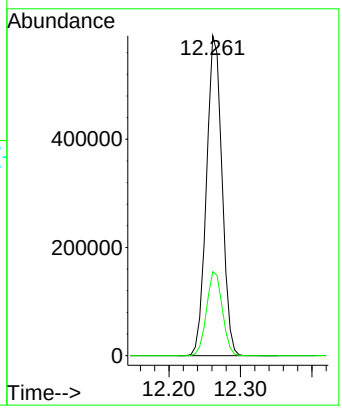


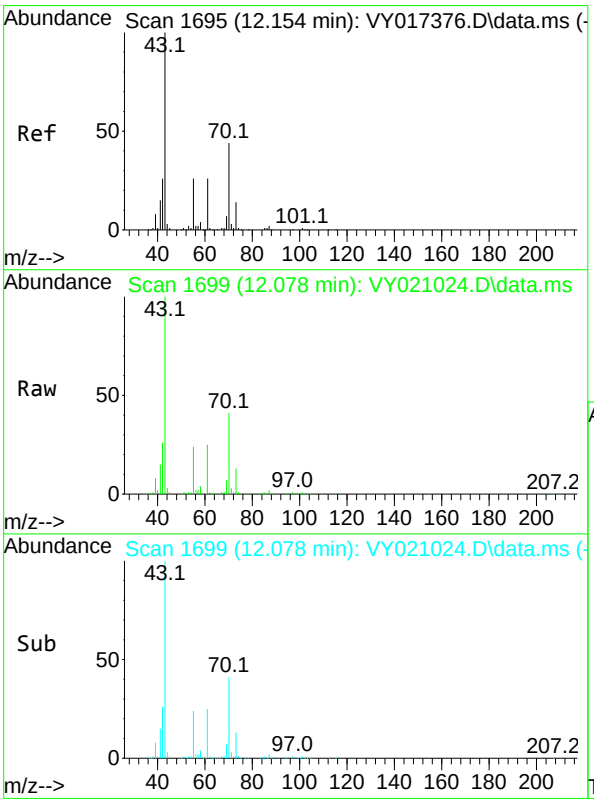
#73
Isopropylbenzene
Concen: 110.247 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 891697

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

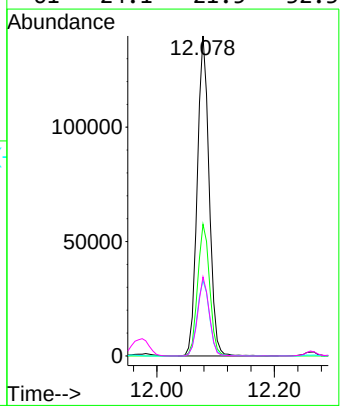


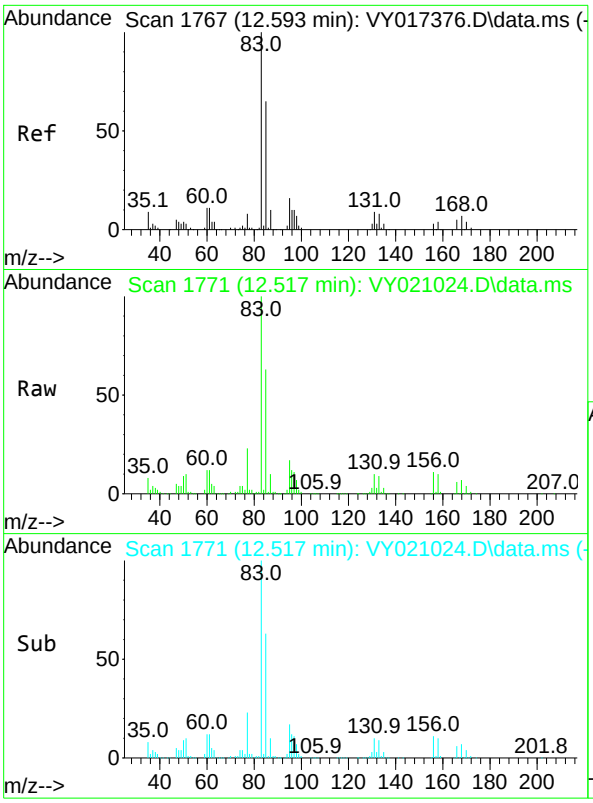


#74
N-amyl acetate
Concen: 133.629 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 196809

Ion	Ratio	Lower	Upper
43	100		
70	41.4	39.3	58.9
55	24.2	22.3	33.5
61	24.1	21.5	32.3



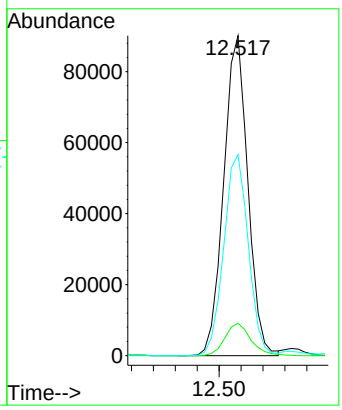


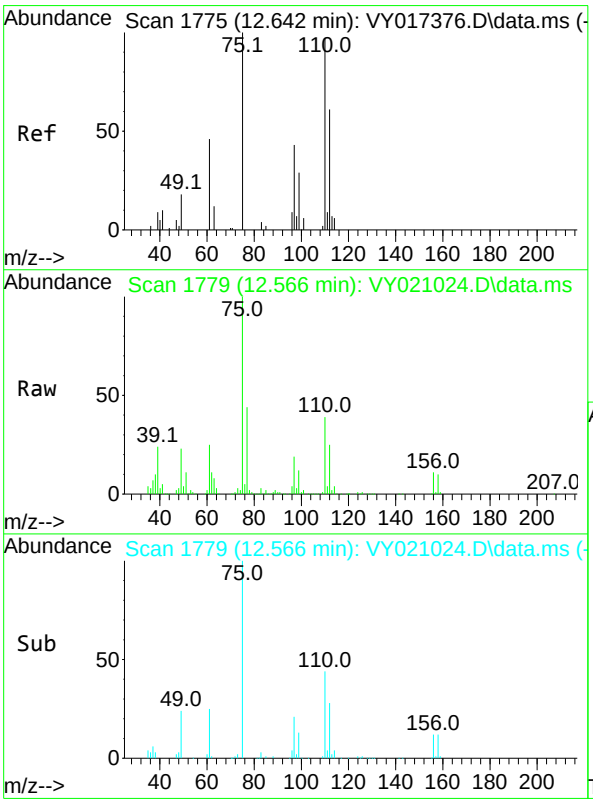
#75
1,1,2,2-Tetrachloroethane
Concen: 105.393 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 137599

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	64.0	31.9	95.9

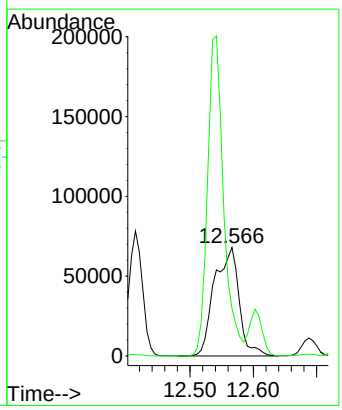


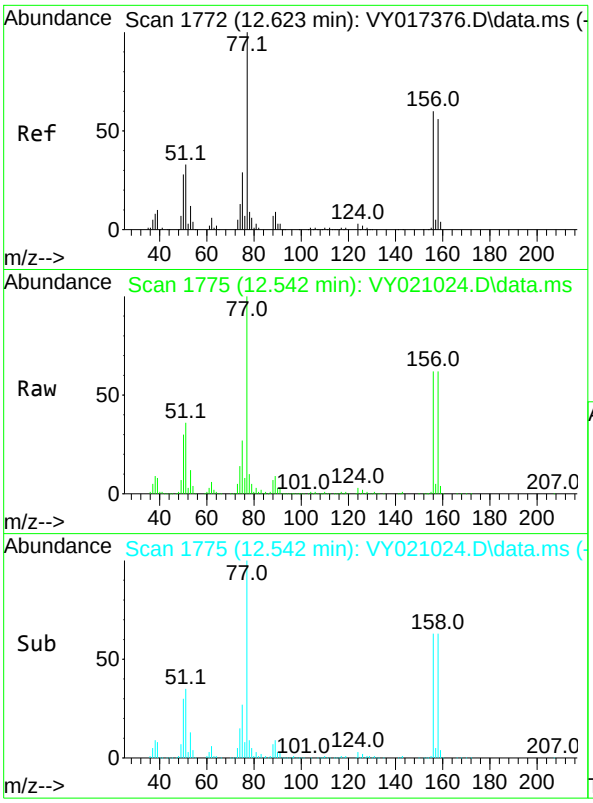


#76
1,2,3-Trichloropropane
Concen: 201.939 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 184099

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



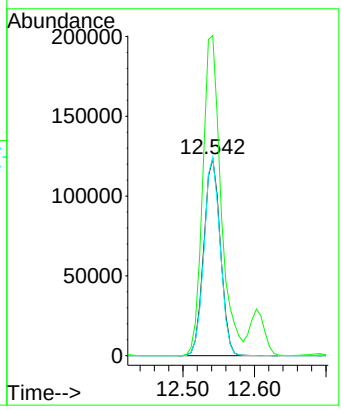


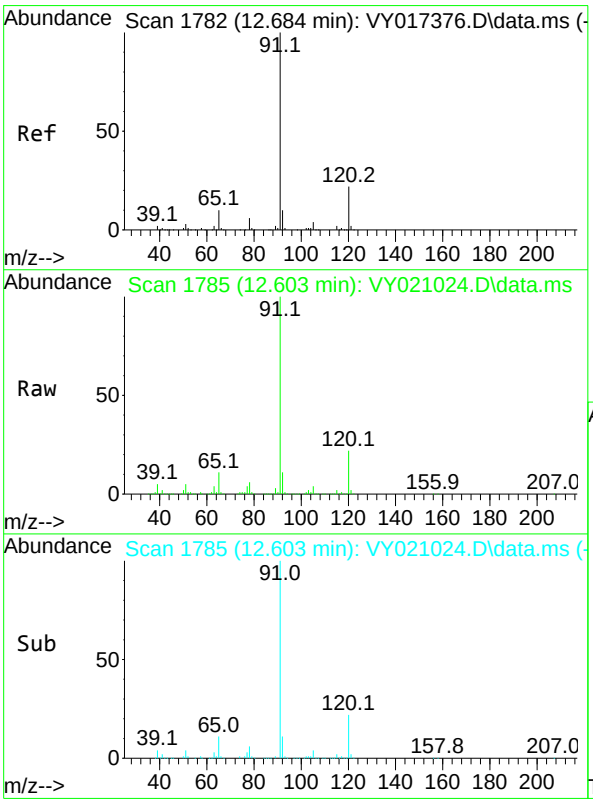
#77
Bromobenzene
Concen: 103.627 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 198715

Ion	Ratio	Lower	Upper
156	100		
77	179.5	83.3	249.9
158	98.1	48.3	144.9

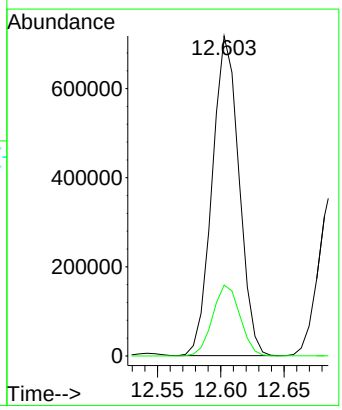


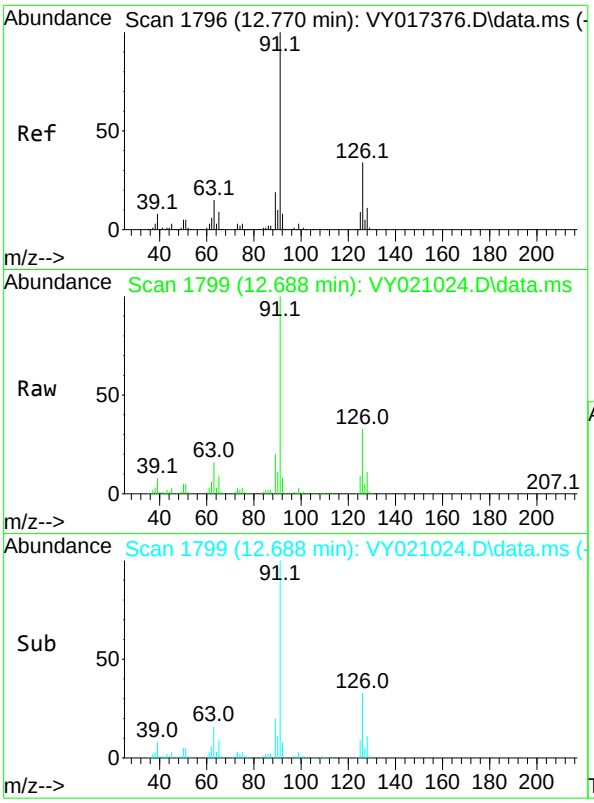


#78
n-propylbenzene
Concen: 111.529 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 1057216

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.8	35.4



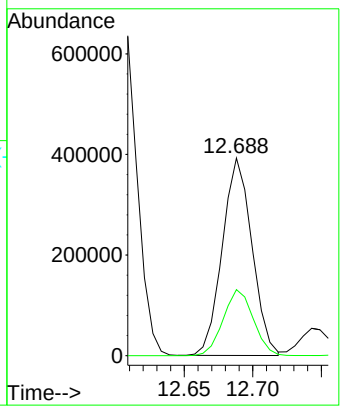


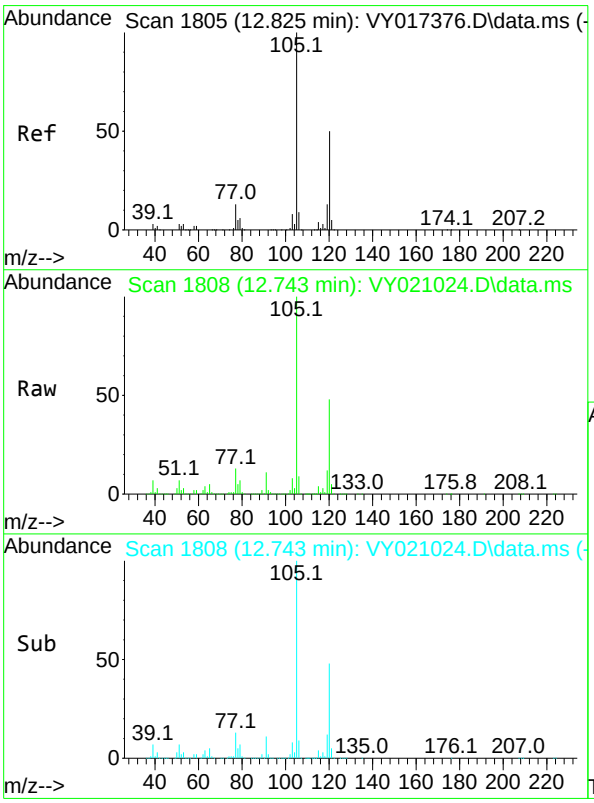
#79
2-Chlorotoluene
Concen: 109.632 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 592096

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	51.9

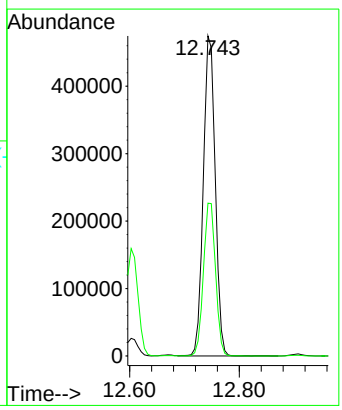


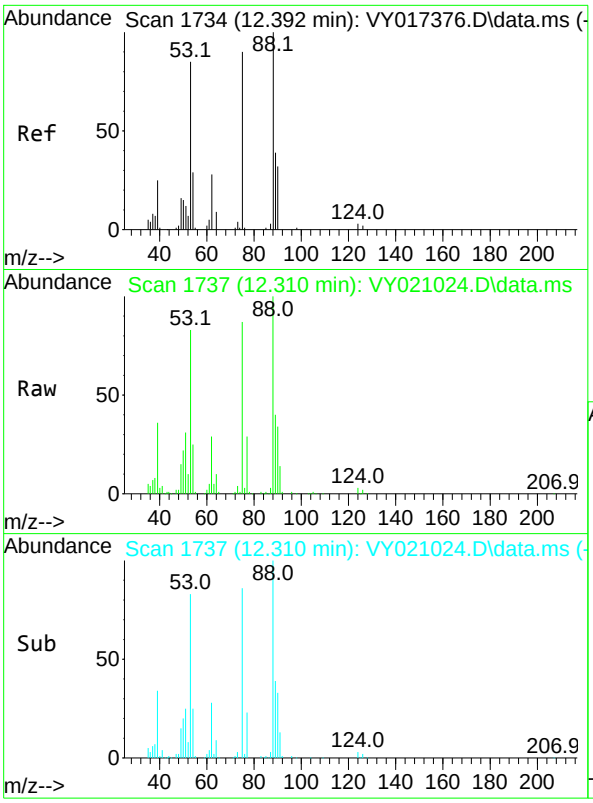


#80
1,3,5-Trimethylbenzene
Concen: 107.741 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 713935

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.9



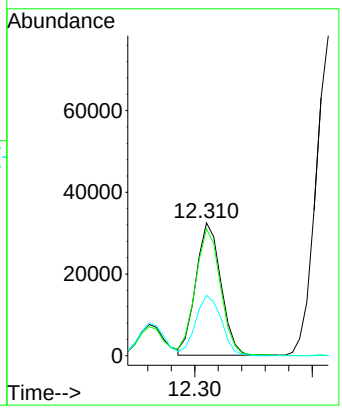


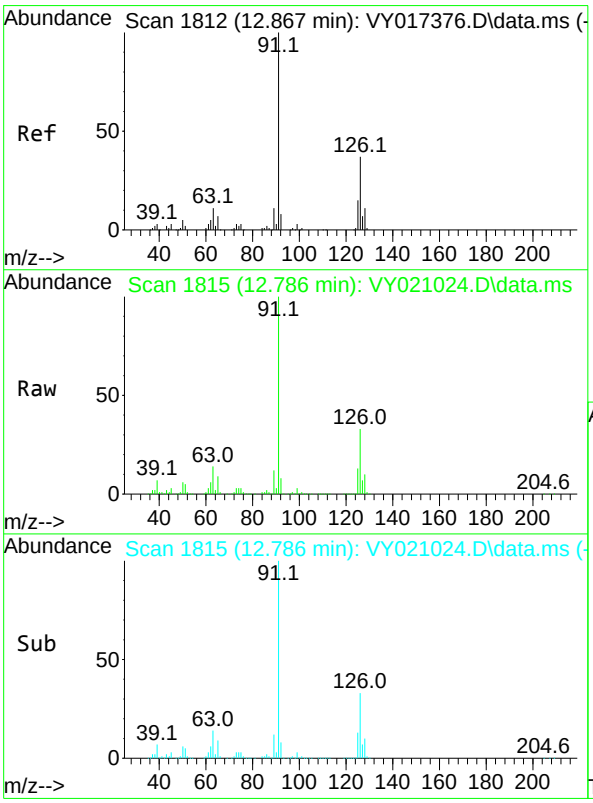
#81
trans-1,4-Dichloro-2-butene
Concen: 108.944 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 47846

Ion	Ratio	Lower	Upper
75	100		
53	97.1	68.6	103.0
89	47.0	38.1	57.1

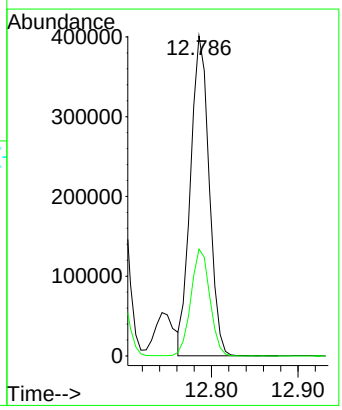


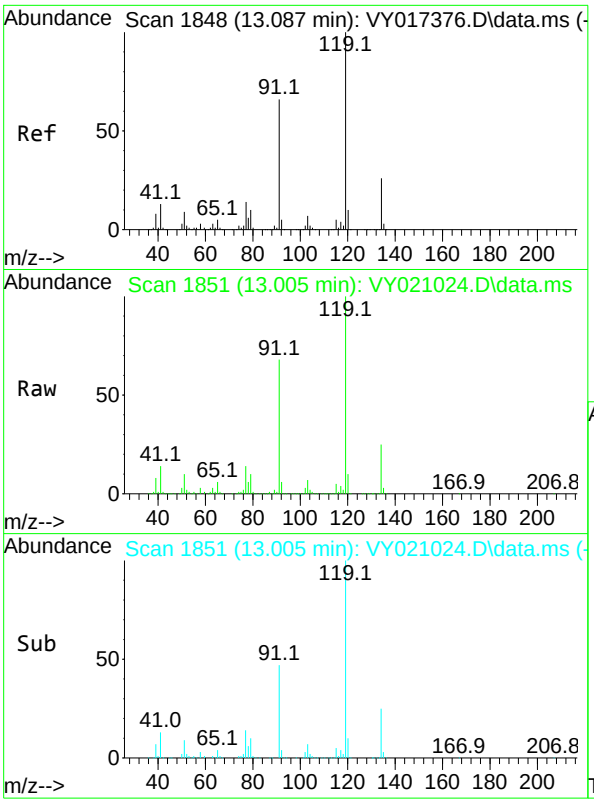


#82
4-Chlorotoluene
Concen: 108.014 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 597047

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0



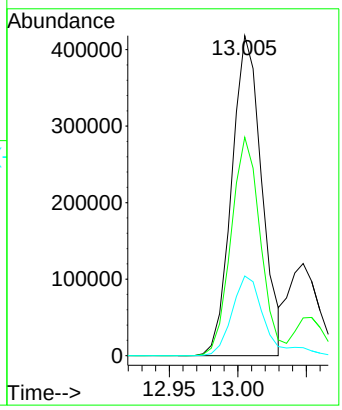


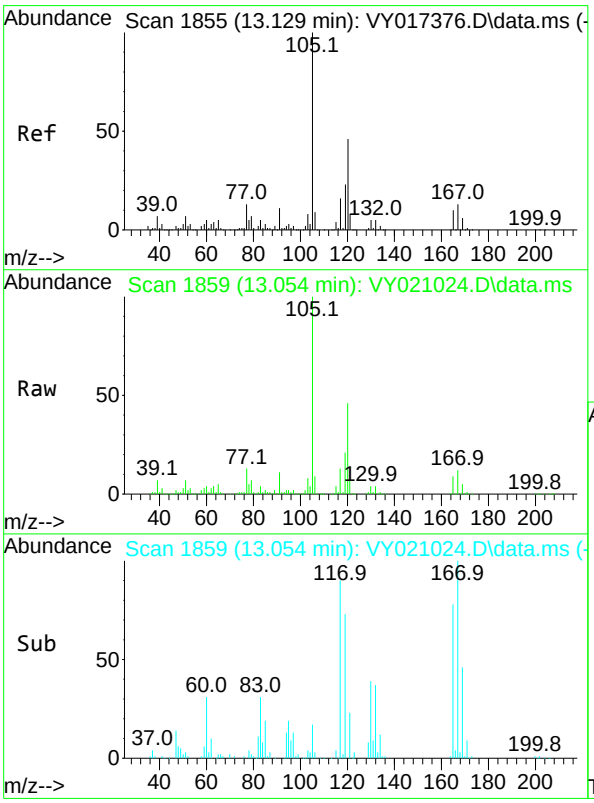
#83
tert-Butylbenzene
Concen: 103.933 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 638740

Ion	Ratio	Lower	Upper
119	100		
91	66.9	31.4	94.0
134	27.2	13.1	39.1

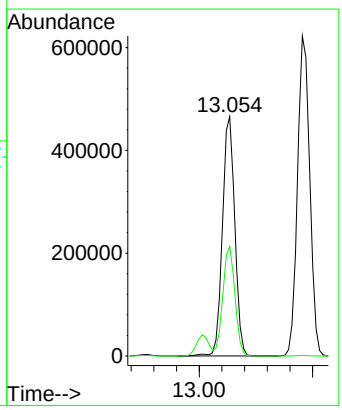


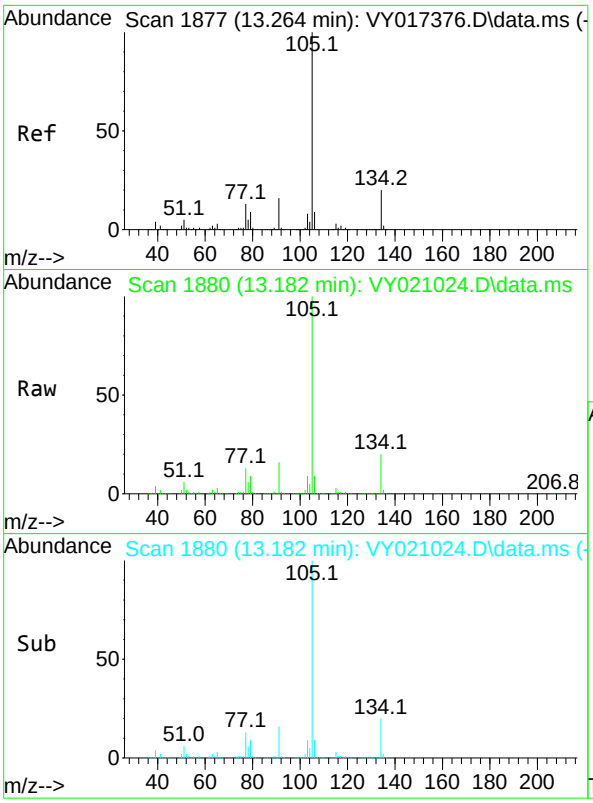


#84
1,2,4-Trimethylbenzene
Concen: 108.409 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 701716

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.0



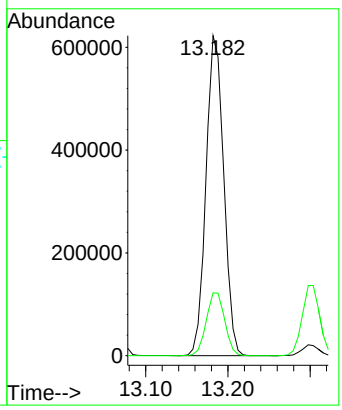


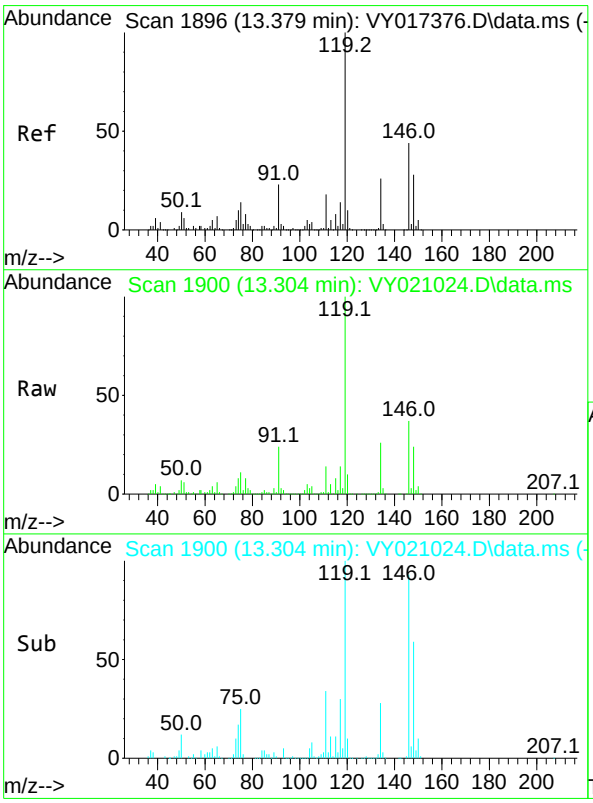
#85
sec-Butylbenzene
Concen: 107.093 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 931799

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8

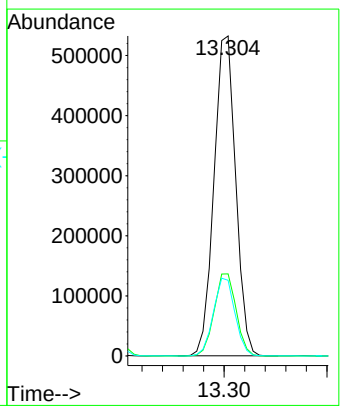


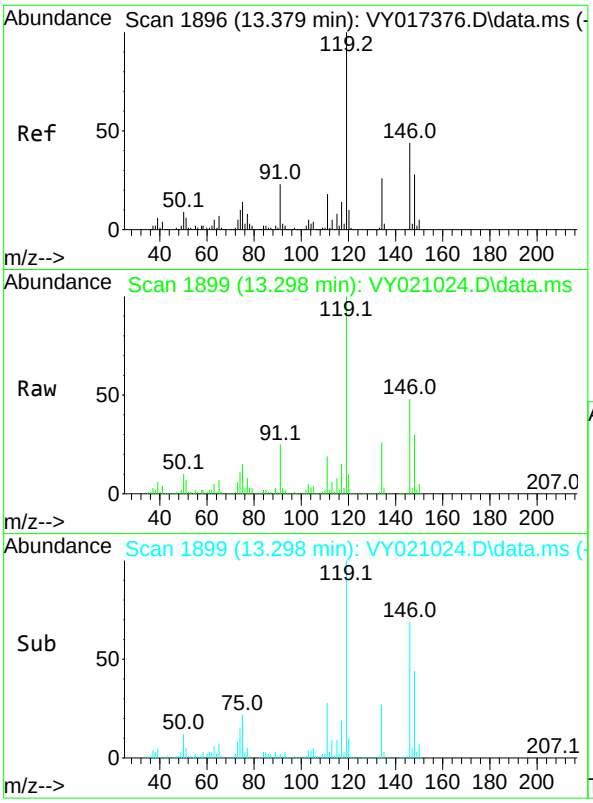


#86
p-Isopropyltoluene
Concen: 106.512 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 778814

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.2	11.5	34.5



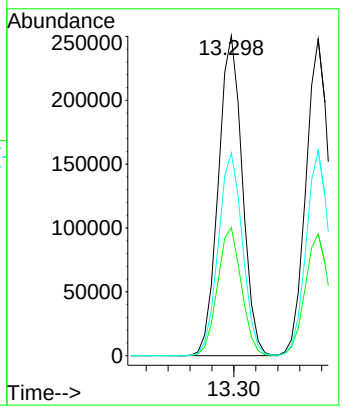


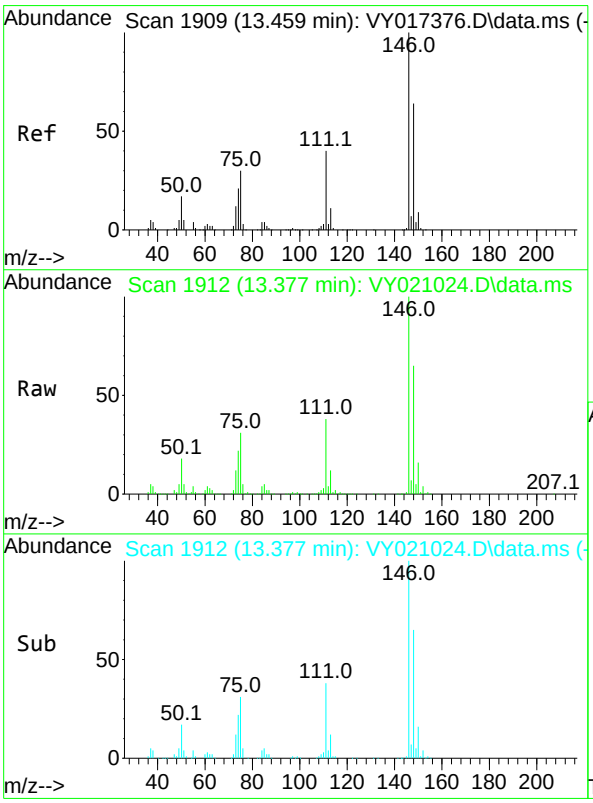
#87
1,3-Dichlorobenzene
Concen: 101.760 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 380481

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.0	32.1	96.3

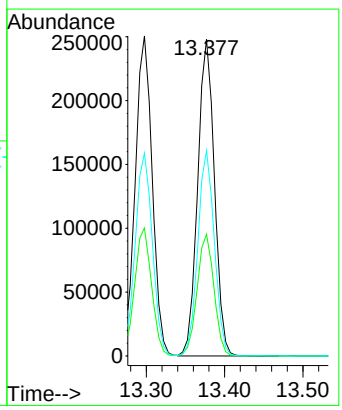


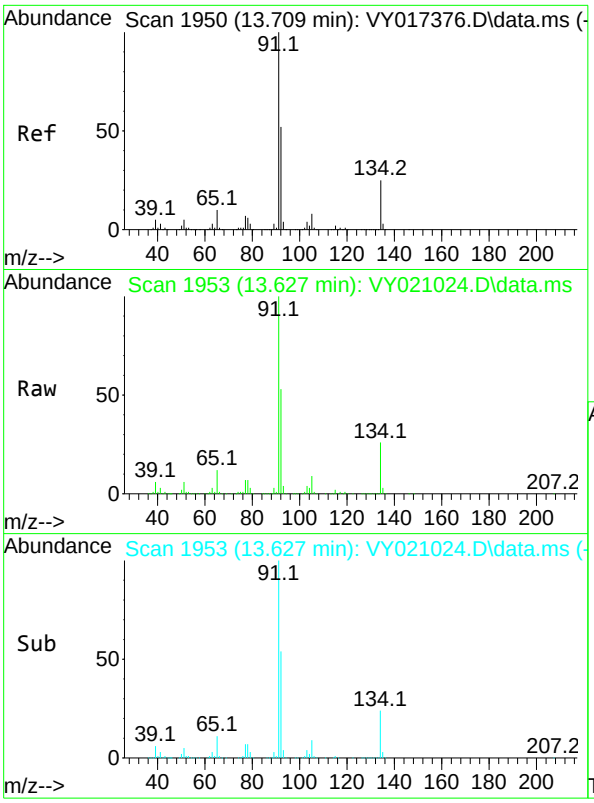


#88
1,4-Dichlorobenzene
Concen: 99.212 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 368361

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.0	31.6	95.0



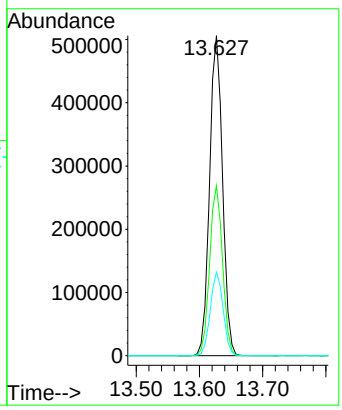


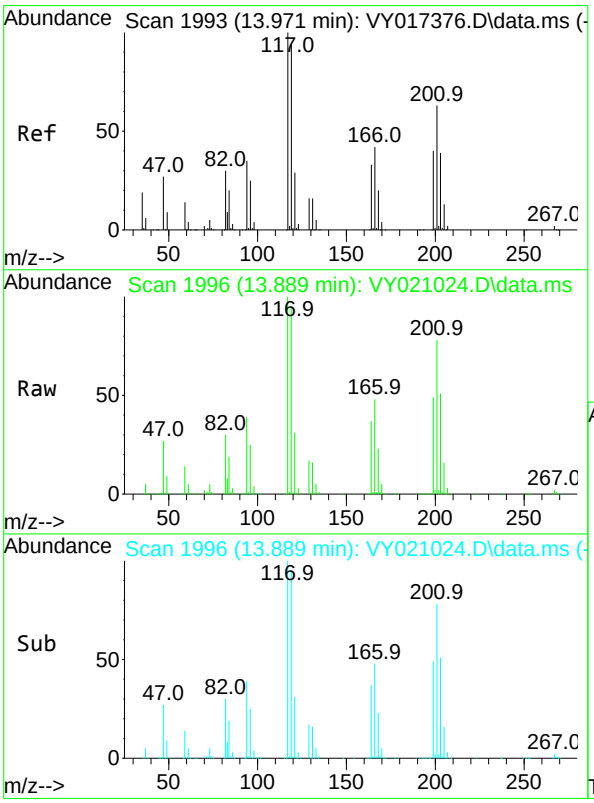
#89
n-Butylbenzene
Concen: 109.974 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 720257

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.7	80.1
134	25.9	13.7	41.1

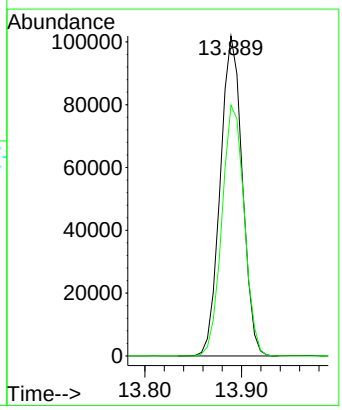


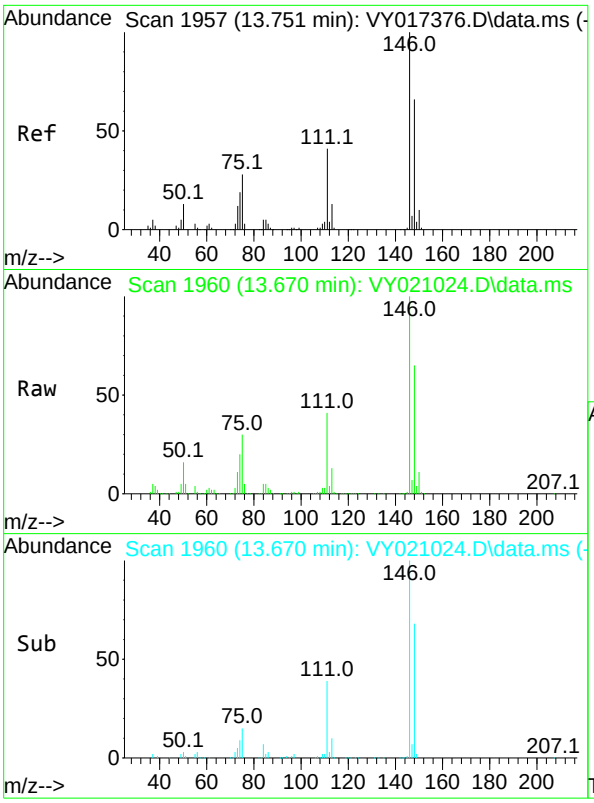


#90
Hexachloroethane
Concen: 108.782 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 160918

Ion	Ratio	Lower	Upper
117	100		
201	79.4	42.5	127.5



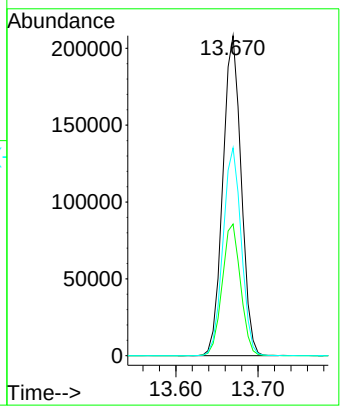


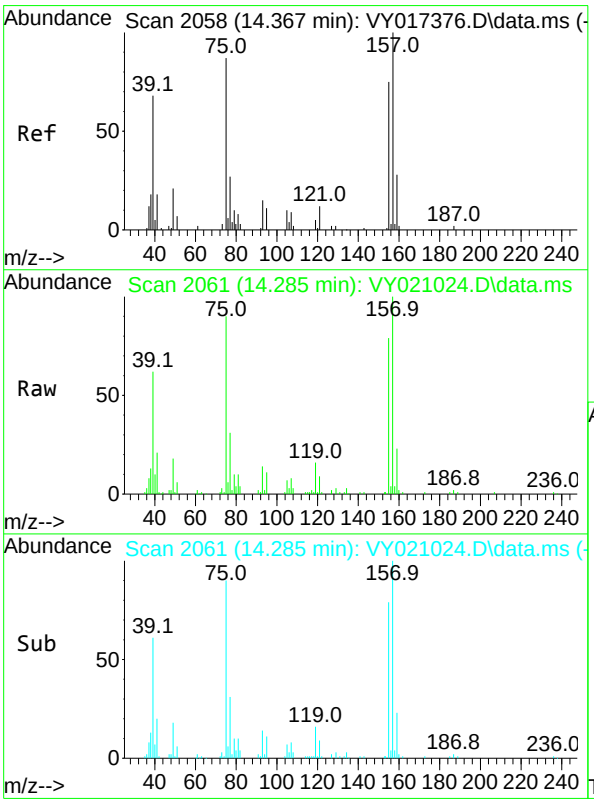
#91
1,2-Dichlorobenzene
Concen: 99.218 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 323508

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	64.6	32.2	96.6

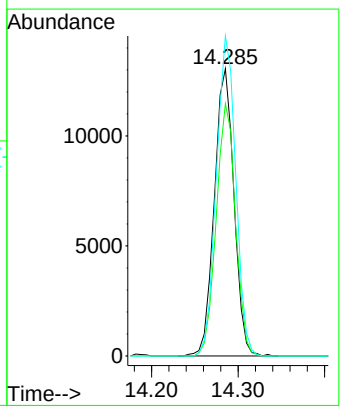


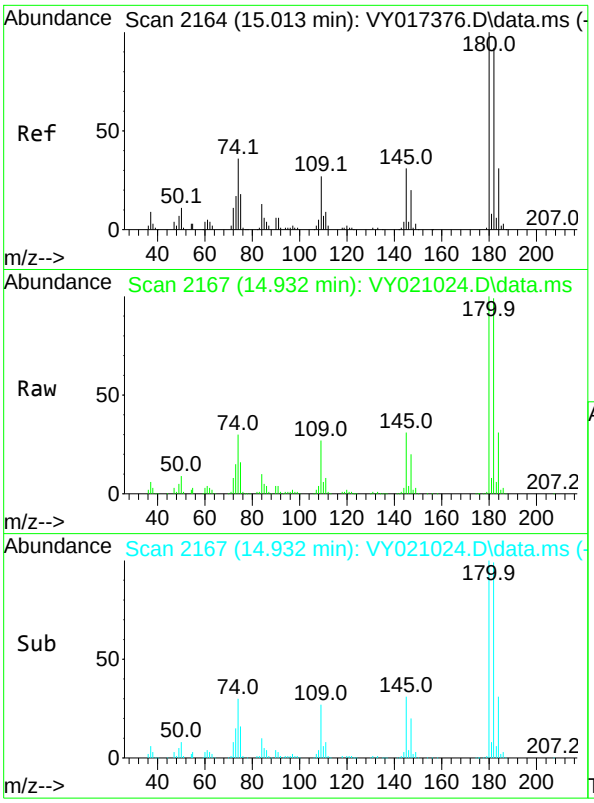


#92
1,2-Dibromo-3-Chloropropane
Concen: 102.253 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 20553

Ion	Ratio	Lower	Upper
75	100		
155	86.0	45.9	137.6
157	110.2	59.3	177.9



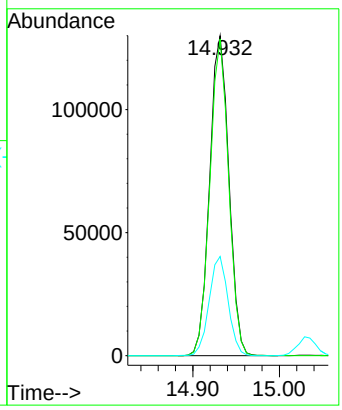


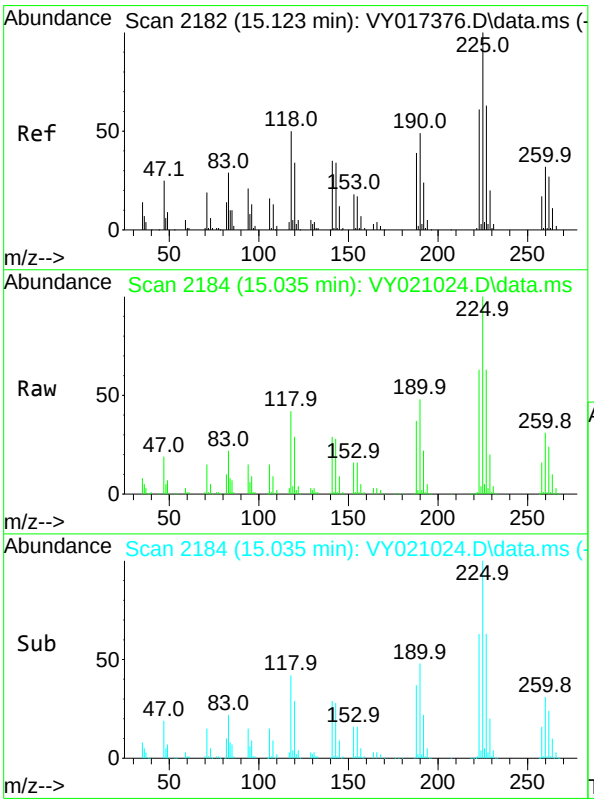
#93
1,2,4-Trichlorobenzene
Concen: 100.693 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 201024

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.8
145	30.6	15.3	45.8

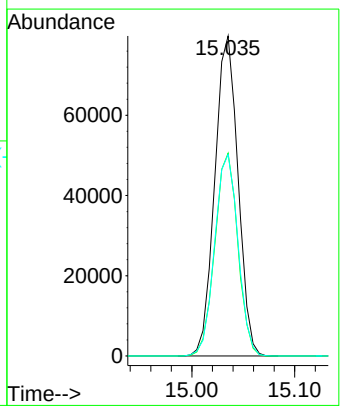


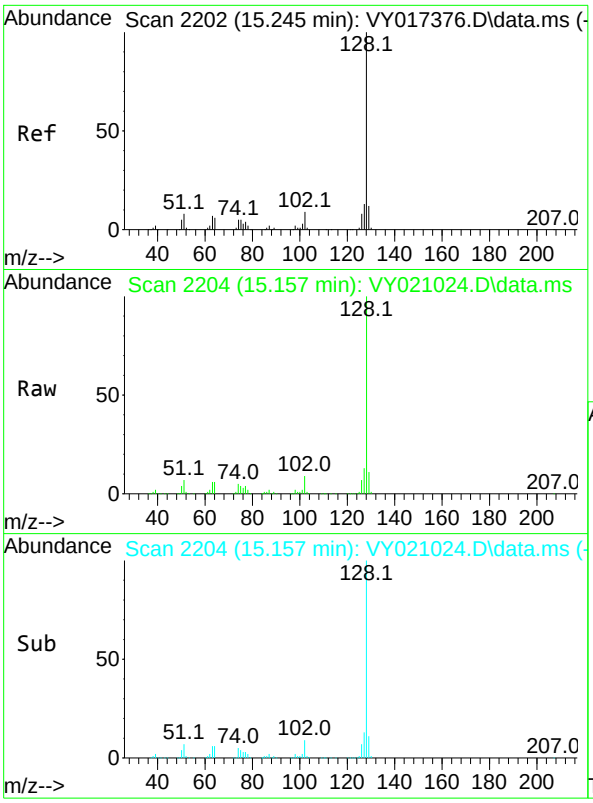


#94
Hexachlorobutadiene
Concen: 90.315 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:225 Resp: 124879

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.5	31.8	95.3



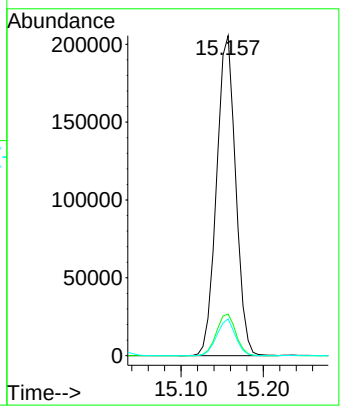


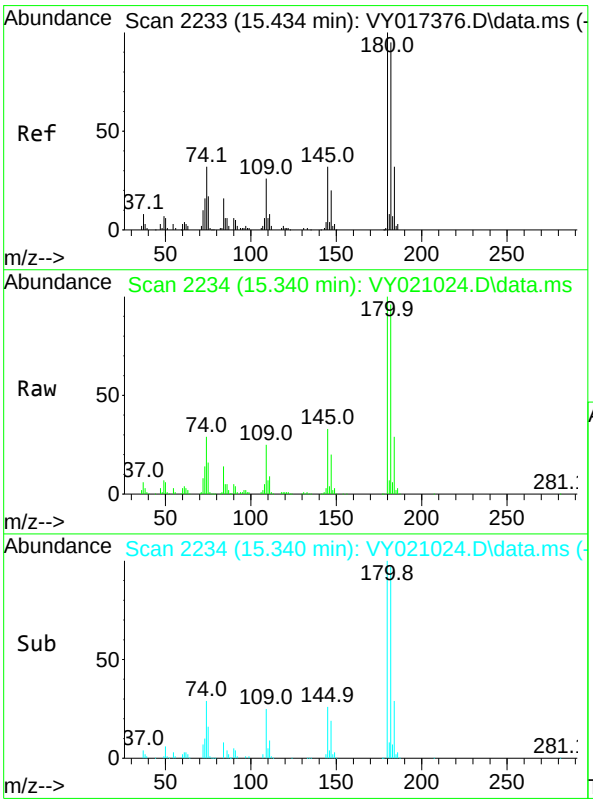
#95
Naphthalene
Concen: 103.361 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 331641

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.1	8.8	13.2

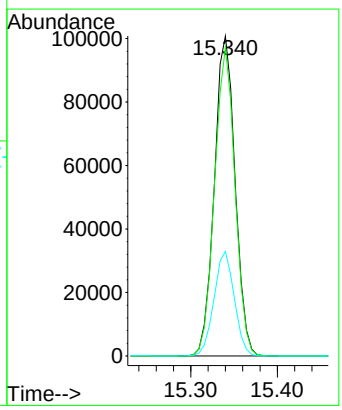




#96
1,2,3-Trichlorobenzene
Concen: 99.024 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:180 Resp: 167187

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.7	143.1
145	32.0	15.6	46.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	189855	50.000	ug/l	-0.09
34) 1,4-Difluorobenzene	8.622	114	287697	50.000	ug/l	-0.09
63) Chlorobenzene-d5	11.420	117	248527	50.000	ug/l	-0.08
72) 1,4-Dichlorobenzene-d4	13.352	152	112575	50.000	ug/l	-0.09
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	293662	145.767	ug/l	-0.09
Spiked Amount 50.000	Range 50 - 163		Recovery = 291.540%#			
35) Dibromofluoromethane	7.640	113	287798	156.902	ug/l	-0.09
Spiked Amount 50.000	Range 54 - 147		Recovery = 313.800%#			
50) Toluene-d8	10.109	98	1111573	156.398	ug/l	-0.09
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.800%#			
62) 4-Bromofluorobenzene	12.408	95	360358	165.389	ug/l	-0.09
Spiked Amount 50.000	Range 30 - 143		Recovery = 330.780%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	260067	160.825	ug/l	97
3) Chloromethane	2.074	50	248885	81.348	ug/l	98
4) Vinyl Chloride	2.208	62	252501	69.162	ug/l	99
5) Bromomethane	2.592	94	146541	56.546	ug/l	99
6) Chloroethane	2.739	64	148751	63.941	ug/l	97
7) Trichlorofluoromethane	3.062	101	462994	126.220	ug/l	99
8) Diethyl Ether	3.458	74	147927	139.670	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	290713	131.732	ug/l	95
10) Methyl Iodide	4.013	142	352076	162.310	ug/l	94
11) Tert butyl alcohol	4.872	59	91037	848.981	ug/l	97
12) 1,1-Dichloroethene	3.799	96	283433	139.249	ug/l	94
13) Acrolein	3.659	56	152214	699.170	ug/l	98
14) Allyl chloride	4.391	41	481954	160.132	ug/l	96
15) Acrylonitrile	5.061	53	309767	679.868	ug/l	99
16) Acetone	3.873	43	237711	568.499	ug/l	96
17) Carbon Disulfide	4.116	76	886308	136.501	ug/l	100
18) Methyl Acetate	4.391	43	166019	85.794	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	720513	159.242	ug/l	99
20) Methylene Chloride	4.622	84	281630	138.679	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	306161	131.661	ug/l	94
22) Diisopropyl ether	6.025	45	955213	148.098	ug/l	97
23) Vinyl Acetate	5.970	43	2761423	1071.606	ug/l	99
24) 1,1-Dichloroethane	5.921	63	563116	139.932	ug/l	98
25) 2-Butanone	6.902	43	395886	600.838	ug/l	99
26) 2,2-Dichloropropane	6.890	77	527500	153.044	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	356495	142.393	ug/l	94
28) Bromochloromethane	7.256	49	224174	154.819	ug/l	98
29) Tetrahydrofuran	7.268	42	263943	722.351	ug/l	96
30) Chloroform	7.427	83	572890	142.767	ug/l	98
31) Cyclohexane	7.707	56	485167	126.502	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	540513	151.815	ug/l	99
36) 1,1-Dichloropropene	7.841	75	423720	141.085	ug/l	99
37) Ethyl Acetate	6.988	43	186661	152.878	ug/l	99
38) Carbon Tetrachloride	7.823	117	501205	173.920	ug/l	99
39) Methylcyclohexane	9.115	83	542900	150.976	ug/l	98
40) Benzene	8.085	78	1239229	147.276	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	115234	185.172	ug/l		95
42) 1,2-Dichloroethane	8.164	62	340547	159.023	ug/l		97
43) Isopropyl Acetate	8.201	43	388966	177.842	ug/l	#	86
44) Trichloroethene	8.872	130	323716	148.882	ug/l		96
45) 1,2-Dichloropropane	9.146	63	294150	145.255	ug/l		100
46) Dibromomethane	9.237	93	161341	153.538	ug/l		95
47) Bromodichloromethane	9.426	83	437119	161.734	ug/l		98
48) Methyl methacrylate	9.225	41	187040	162.199	ug/l		94
49) 1,4-Dioxane	9.231	88	32704	3020.404	ug/l		94
51) 4-Methyl-2-Pentanone	10.006	43	965506	812.473	ug/l		98
52) Toluene	10.176	92	792134	154.914	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	416872	166.490	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	483429	157.719	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	209006	145.030	ug/l		99
56) Ethyl methacrylate	10.444	69	313458	213.398	ug/l		93
57) 1,3-Dichloropropane	10.725	76	365553	147.276	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	721923	766.301	ug/l		100
59) 2-Hexanone	10.762	43	642448	752.306	ug/l		98
60) Dibromochloromethane	10.914	129	298751	178.499	ug/l		98
61) 1,2-Dibromoethane	11.018	107	200840	151.965	ug/l		99
64) Tetrachloroethene	10.652	164	288752	157.146	ug/l		96
65) Chlorobenzene	11.444	112	854481	162.172	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	303176	159.965	ug/l		97
67) Ethyl Benzene	11.633	91	2360814	243.252	ug/l	#	67
68) m/p-Xylenes	11.633	106	1152452	314.940	ug/l		97
69) o-Xylene	11.963	106	543425	164.162	ug/l		97
70) Styrene	11.975	104	900989	177.408	ug/l		97
71) Bromoform	12.139	173	170929	186.022	ug/l	#	97
73) Isopropylbenzene	12.261	105	1439642	153.455	ug/l		100
74) N-amyl acetate	12.072	43	337562	181.987	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	229575	136.546	ug/l		99
76) 1,2,3-Trichloropropane	12.688	75	28402	25.245	ug/l	#	100
77) Bromobenzene	12.536	156	330230	167.148	ug/l		92
78) n-propylbenzene	12.603	91	1706799	147.779	ug/l		99
79) 2-Chlorotoluene	12.786	91	973177	154.410	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	1146647	155.522	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.408	75	196534	386.798	ug/l	#	12
82) 4-Chlorotoluene	12.786	91	973177	149.992	ug/l		99
83) tert-Butylbenzene	13.005	119	1067144	165.732	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	1138490	156.424	ug/l		100
85) sec-Butylbenzene	13.182	105	1489668	151.621	ug/l		98
86) p-Isopropyltoluene	13.298	119	1267584	159.437	ug/l		99
87) 1,3-Dichlorobenzene	13.371	146	600370	150.146	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	600370	154.353	ug/l		99
89) n-Butylbenzene	13.621	91	1172760	151.860	ug/l		98
90) Hexachloroethane	13.883	117	264877	160.731	ug/l		86
91) 1,2-Dichlorobenzene	13.663	146	529143	160.577	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	36737	175.945	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	338957	206.167	ug/l		98
94) Hexachlorobutadiene	15.029	225	204211	201.244	ug/l		99
95) Naphthalene	15.151	128	581994	203.420	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	280907	203.655	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration

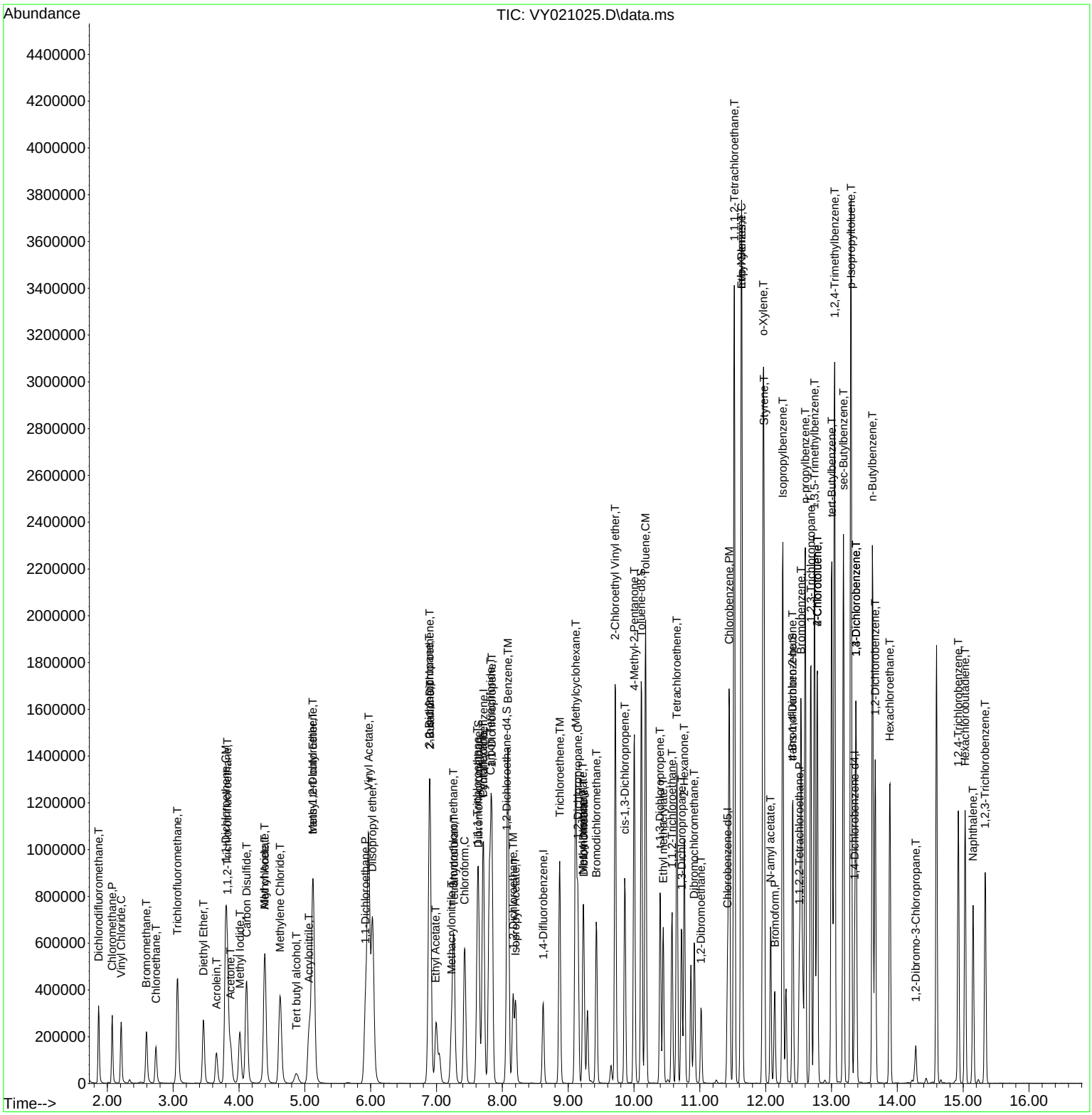
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

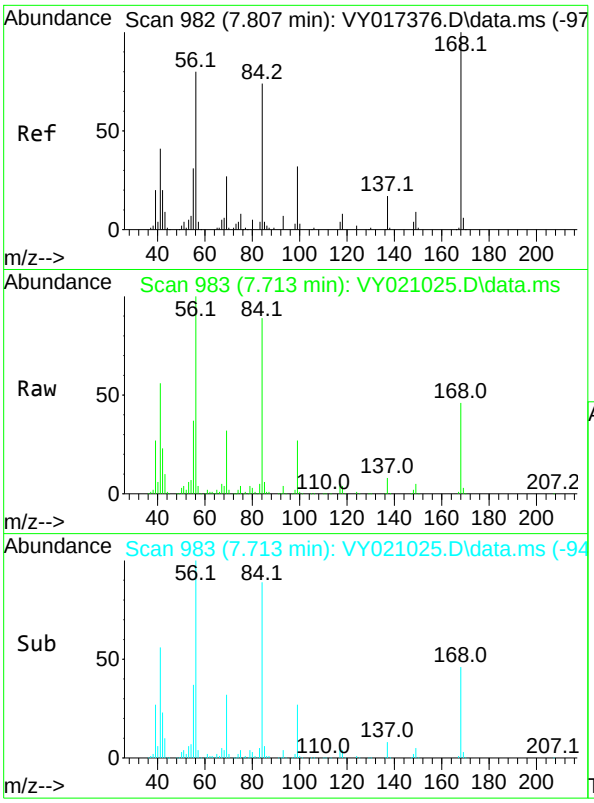
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration



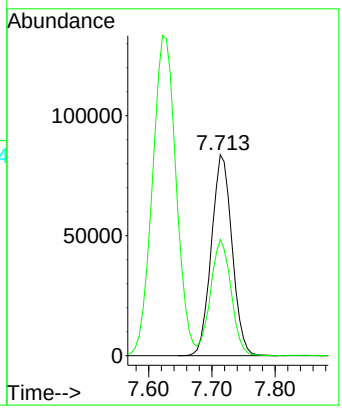


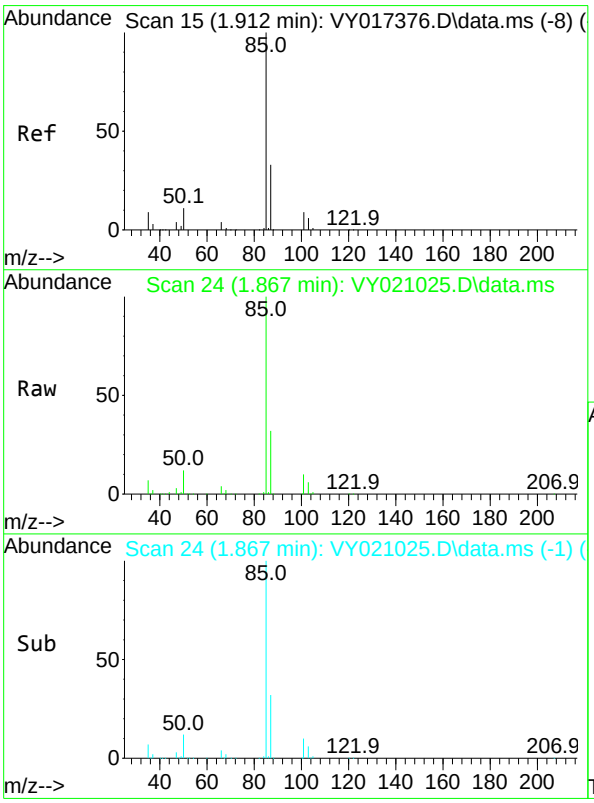
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 189855

Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.2	66.4

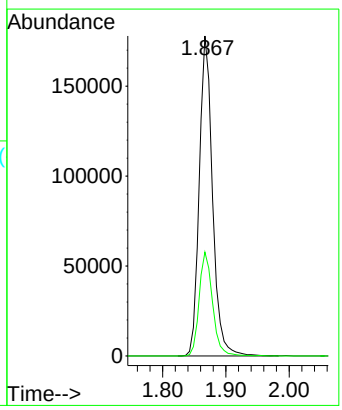


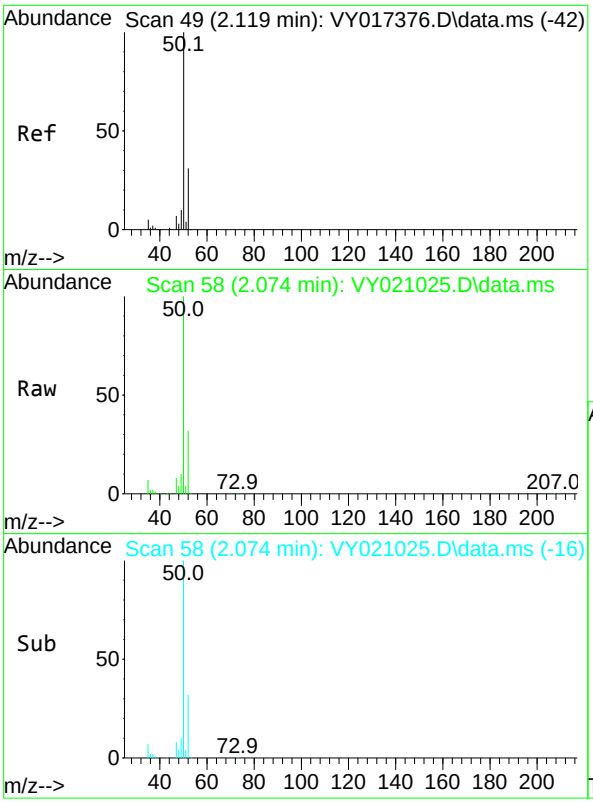


#2
Dichlorodifluoromethane
Concen: 160.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.045 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 85 Resp: 260067

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.3



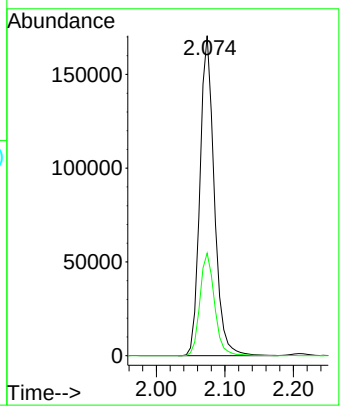


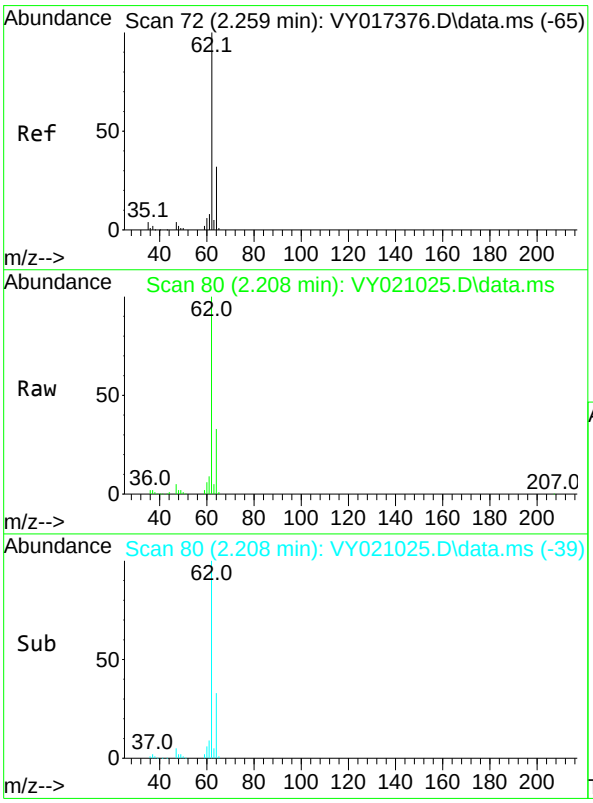
#3
Chloromethane
Concen: 81.348 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.045 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 248885

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.7	40.1

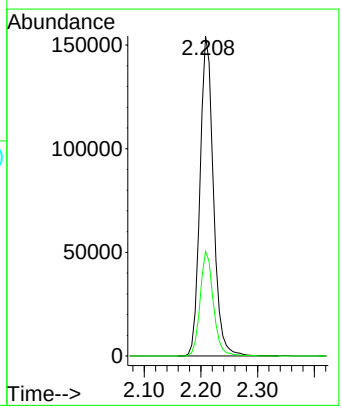


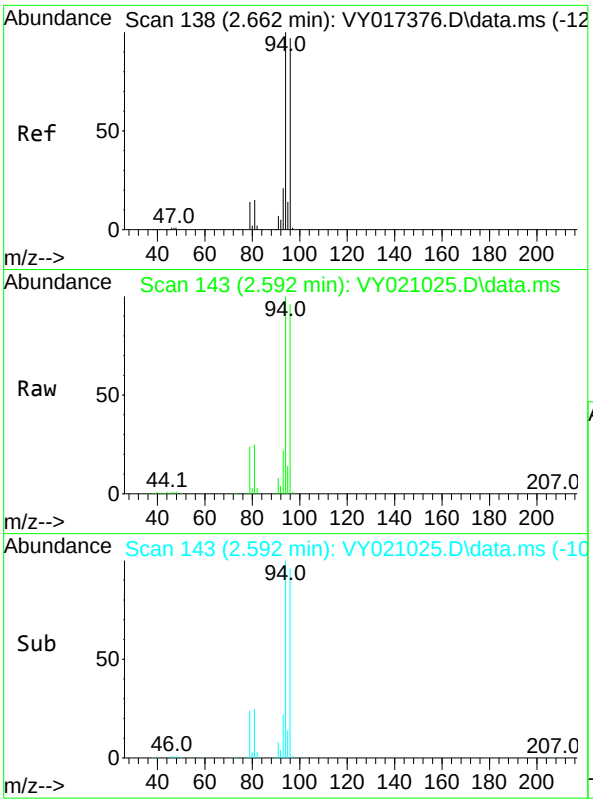


#4
Vinyl Chloride
Concen: 69.162 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.051 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 252501

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.7	38.5



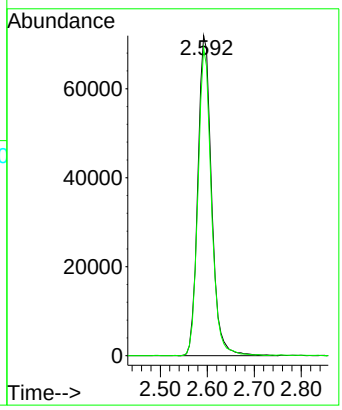


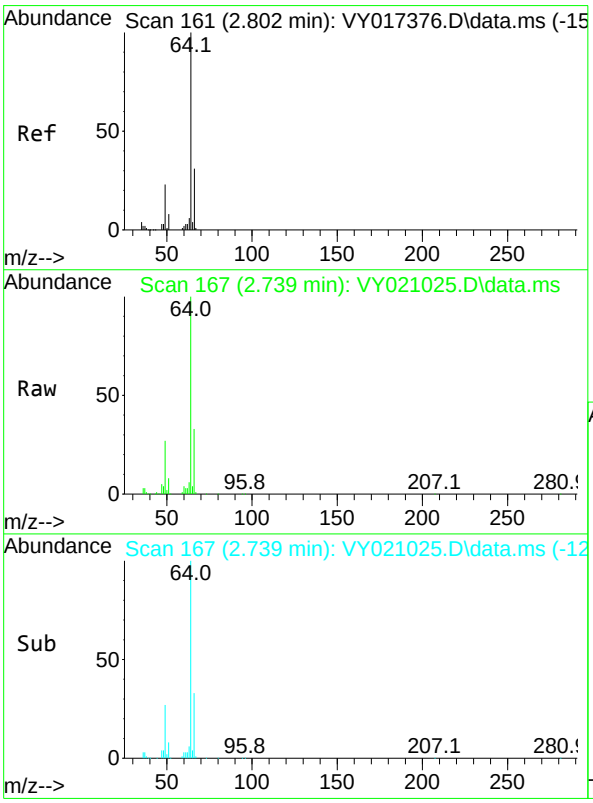
#5
Bromomethane
Concen: 56.546 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.070 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 146541

Ion	Ratio	Lower	Upper
94	100		
96	96.1	77.3	115.9

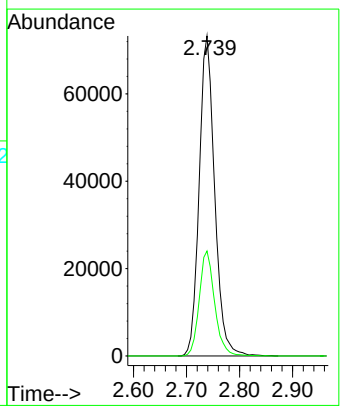


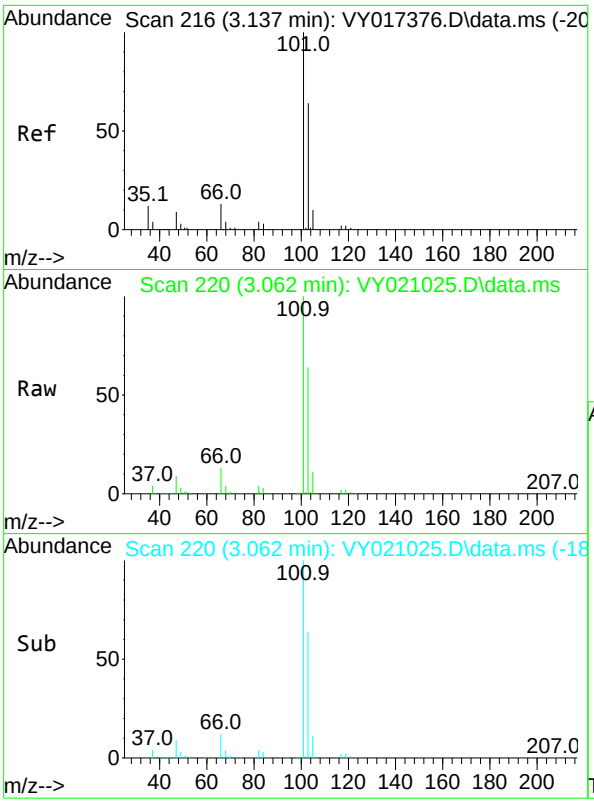


#6
Chloroethane
Concen: 63.941 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.063 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 64 Resp: 148751

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.1	37.7



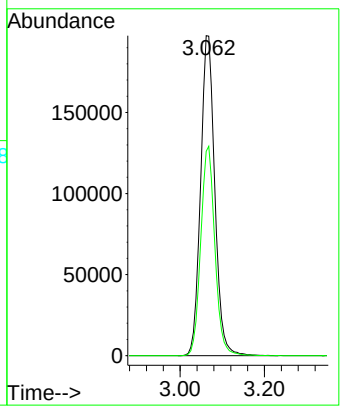


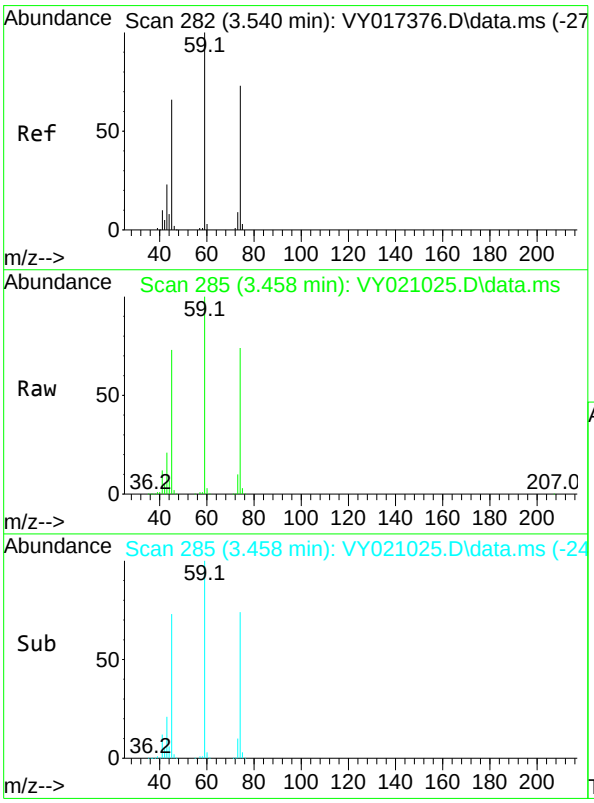
#7
Trichlorofluoromethane
Concen: 126.220 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 462994

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.9	77.9

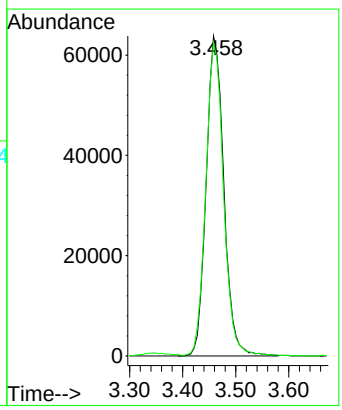


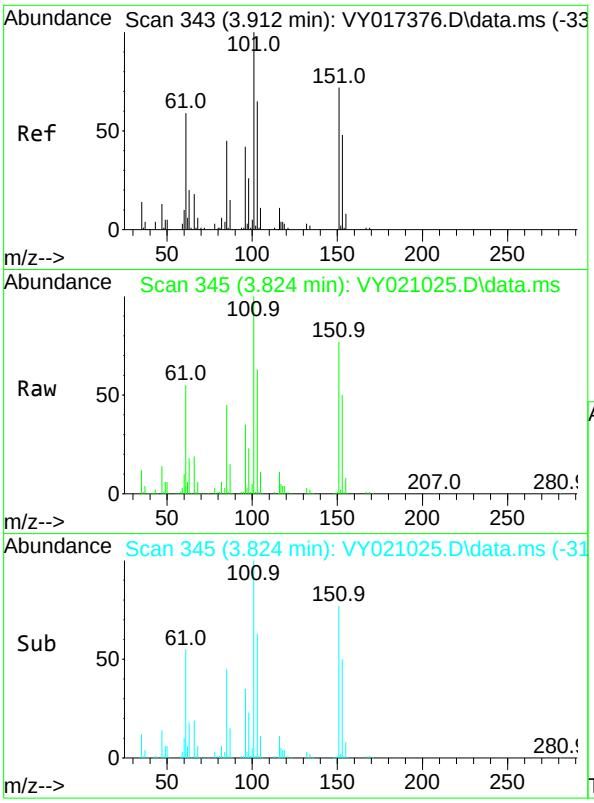


#8
Diethyl Ether
Concen: 139.670 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 74 Resp: 147927

Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.9	143.7



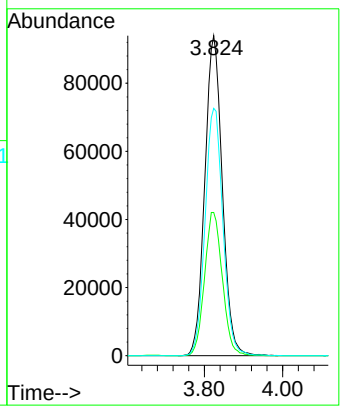


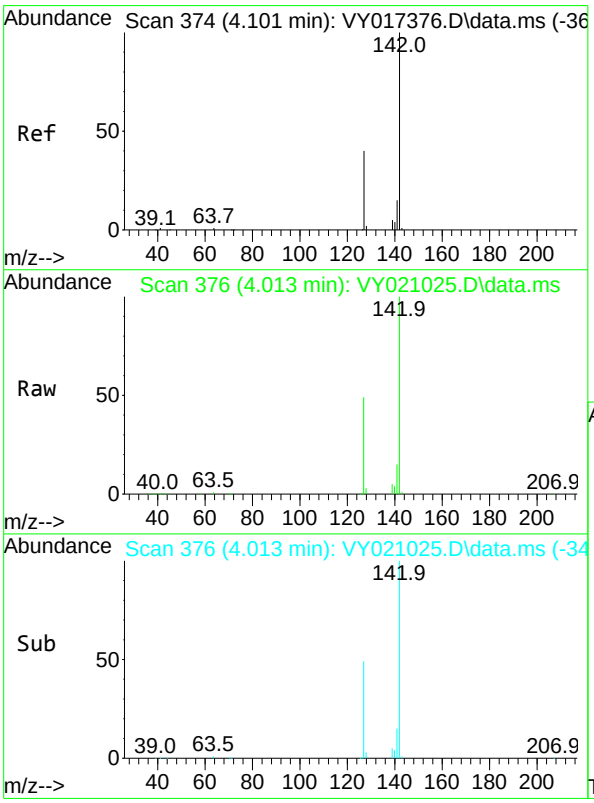
#9
1,1,2-Trichlorotrifluoroethane
Concen: 131.732 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 290713

Ion	Ratio	Lower	Upper
101	100		
85	45.6	35.8	53.6
151	78.9	58.6	88.0

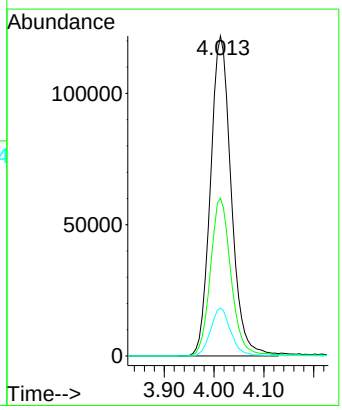


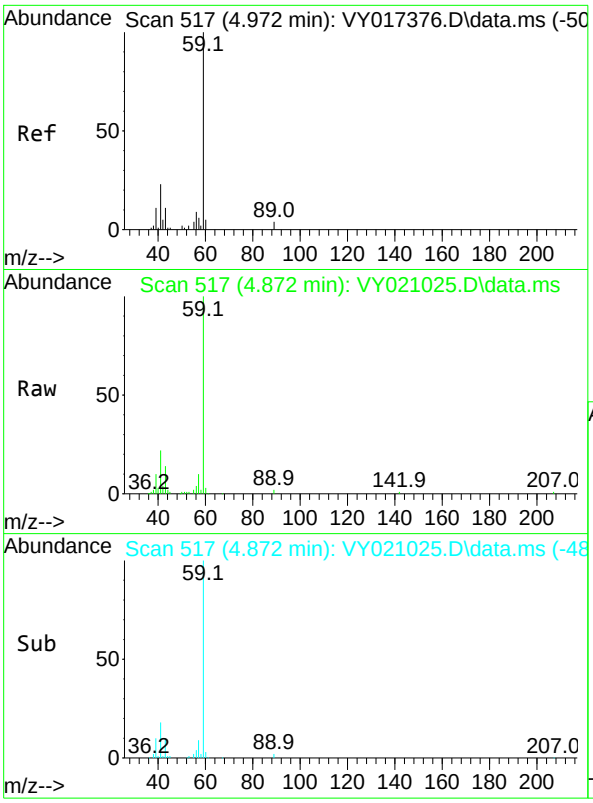


#10
Methyl Iodide
Concen: 162.310 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:142 Resp: 352076

Ion	Ratio	Lower	Upper
142	100		
127	49.2	35.1	52.7
141	14.5	11.8	17.6



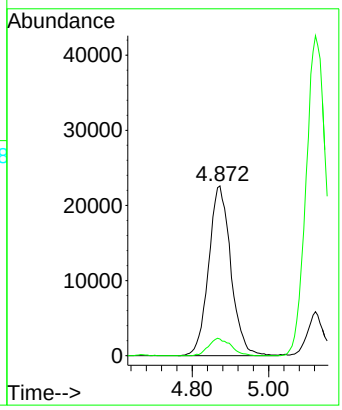


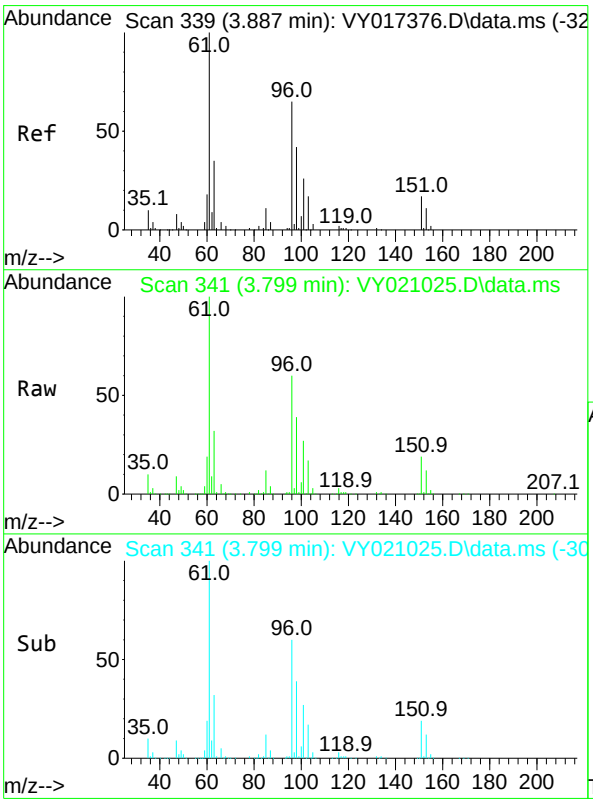
#11
Tert butyl alcohol
Concen: 848.981 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 91037

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.4	11.0

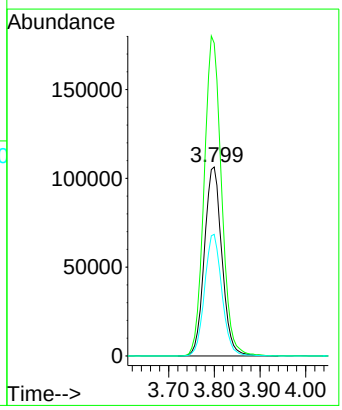


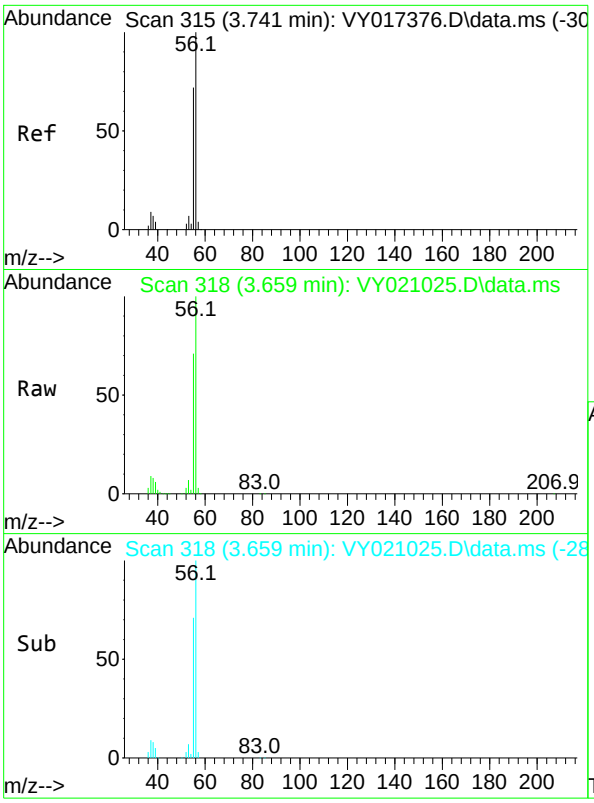


#12
1,1-Dichloroethene
Concen: 139.249 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 283433

Ion	Ratio	Lower	Upper
96	100		
61	165.5	124.2	186.2
98	64.4	52.6	79.0



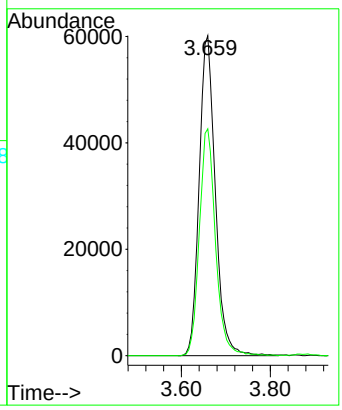


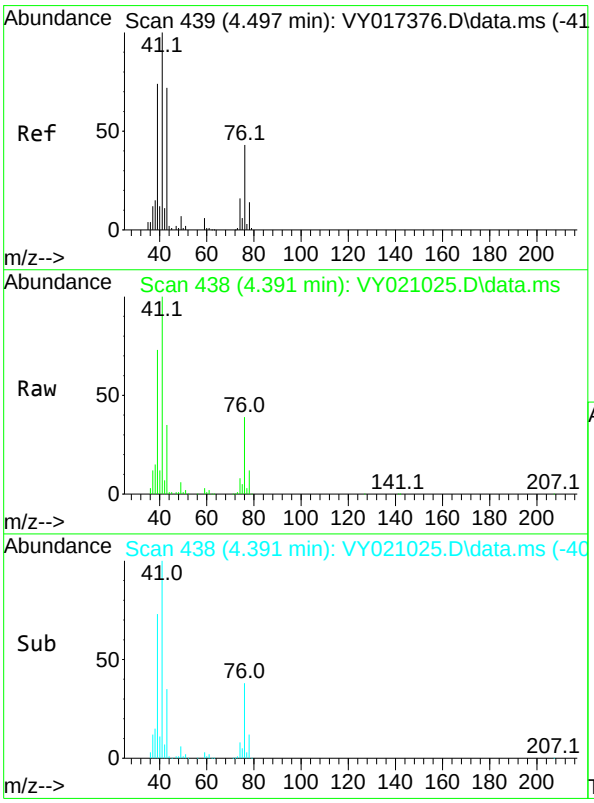
#13
Acrolein
Concen: 699.170 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 152214

Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.4	83.0

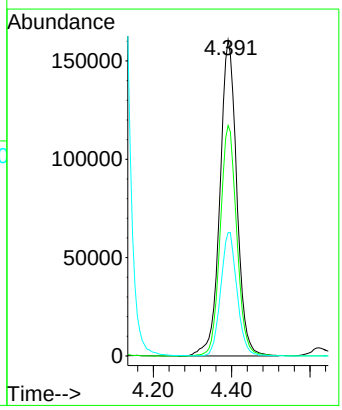


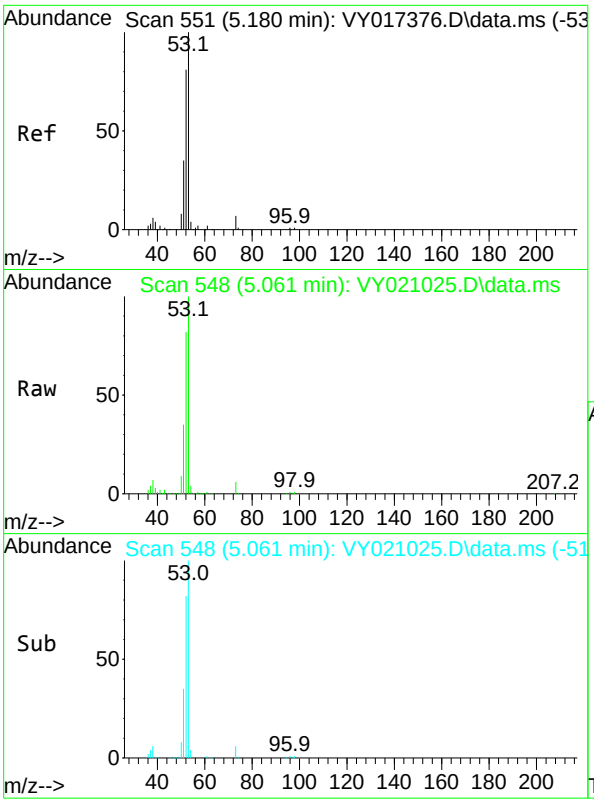


#14
Allyl chloride
Concen: 160.132 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 481954

Ion	Ratio	Lower	Upper
41	100		
39	71.7	54.7	82.1
76	37.7	31.8	47.6



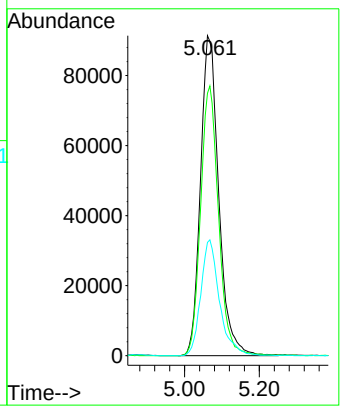


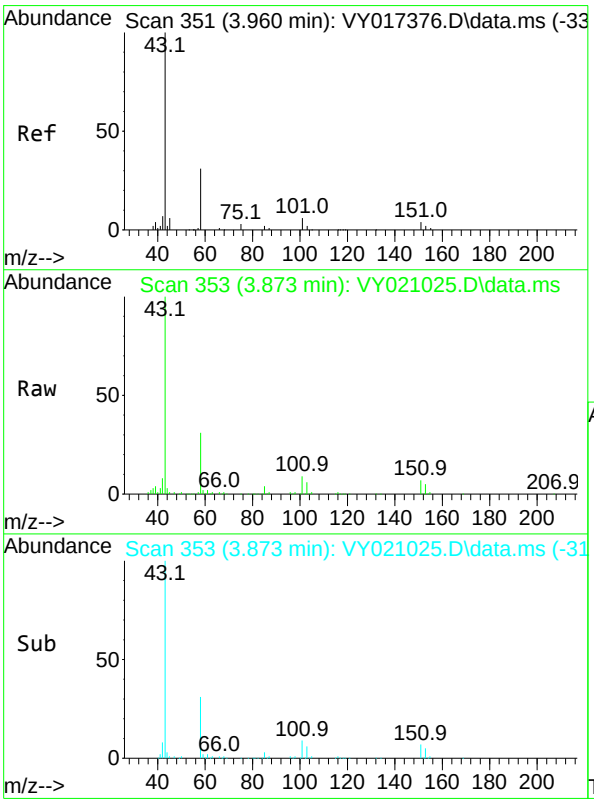
#15
Acrylonitrile
Concen: 679.868 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.118 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 309767

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.1	97.7
51	37.1	29.0	43.4

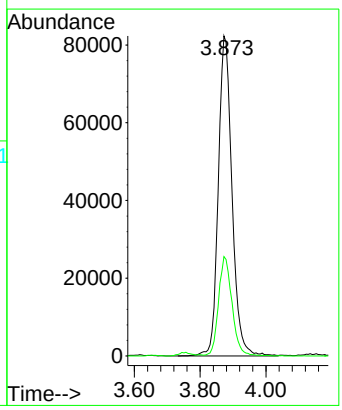


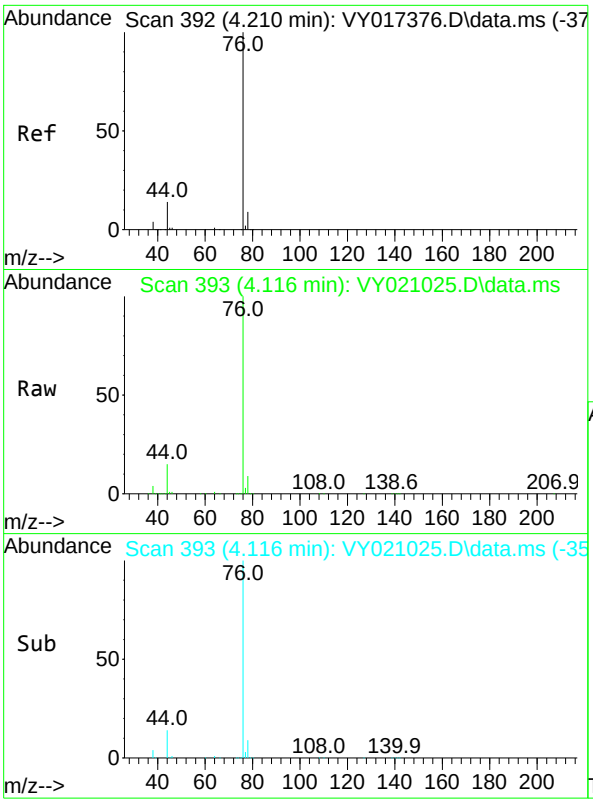


#16
Acetone
Concen: 568.499 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.087 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 237711

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.6	39.8



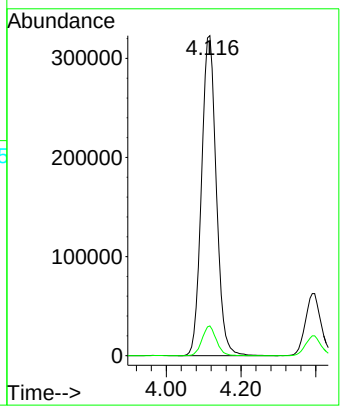


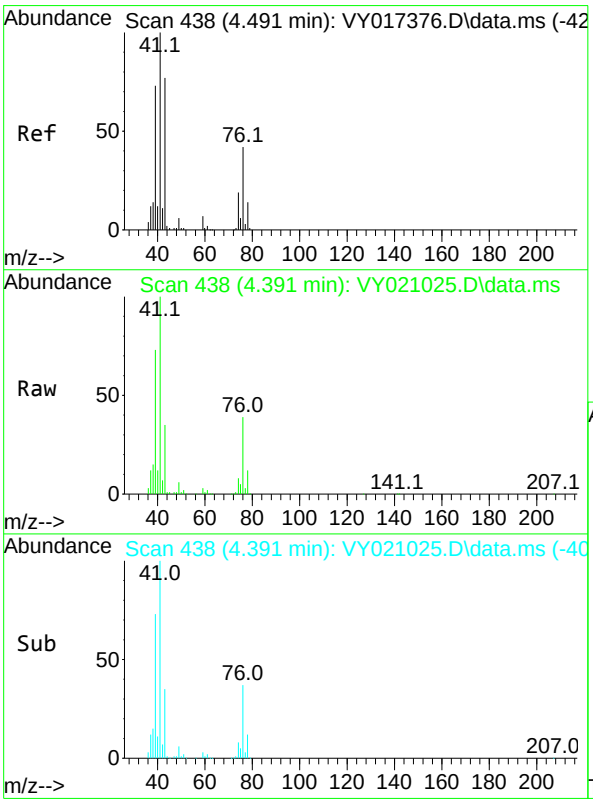
#17
Carbon Disulfide
Concen: 136.501 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 886308

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

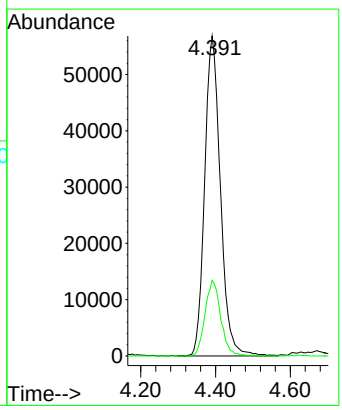


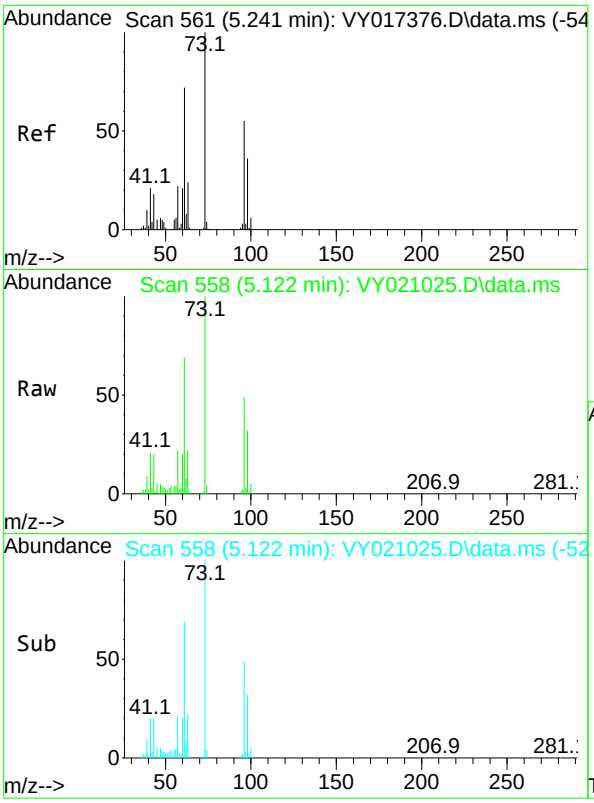


#18
Methyl Acetate
Concen: 85.794 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 166019

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6



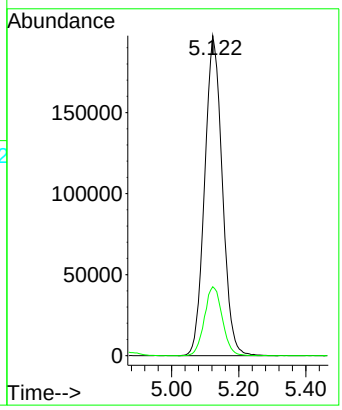


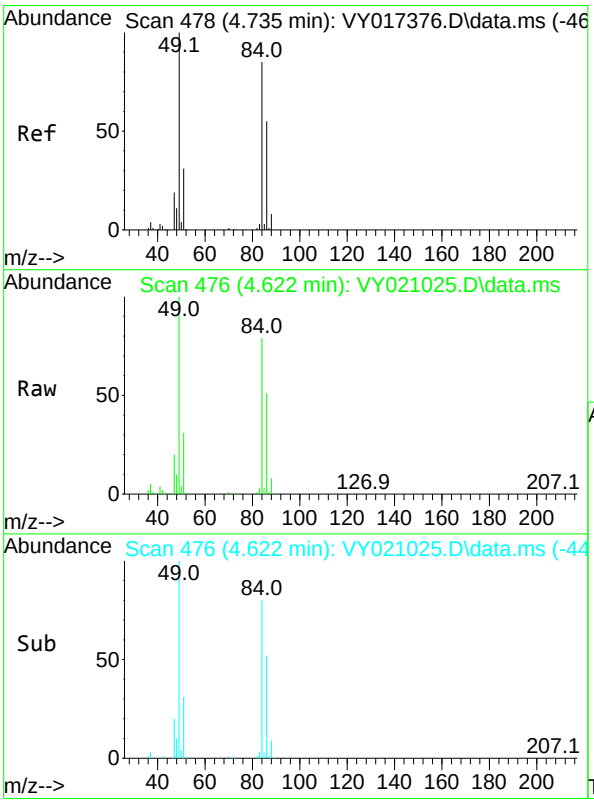
#19
Methyl tert-butyl Ether
Concen: 159.242 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.119 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 720513

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5

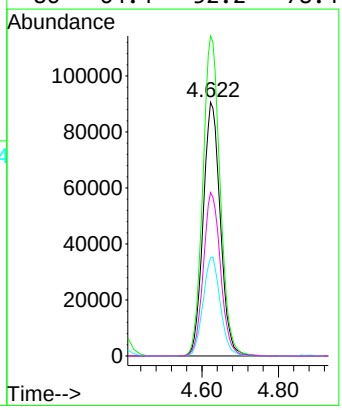


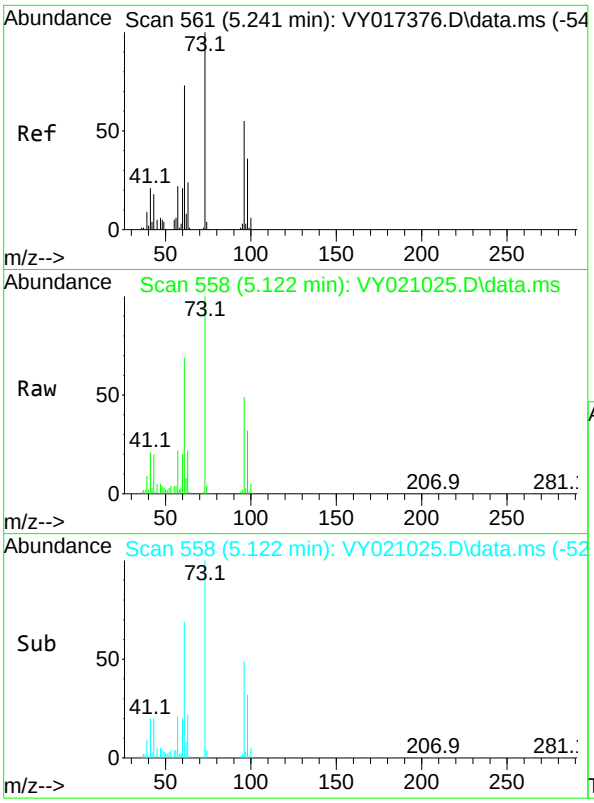


#20
Methylene Chloride
Concen: 138.679 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.113 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 84 Resp: 281630

Ion	Ratio	Lower	Upper
84	100		
49	126.1	95.2	142.8
51	38.6	29.9	44.9
86	64.4	52.2	78.4



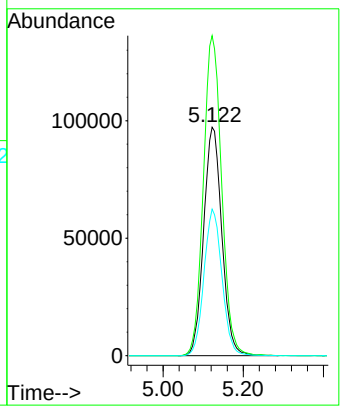


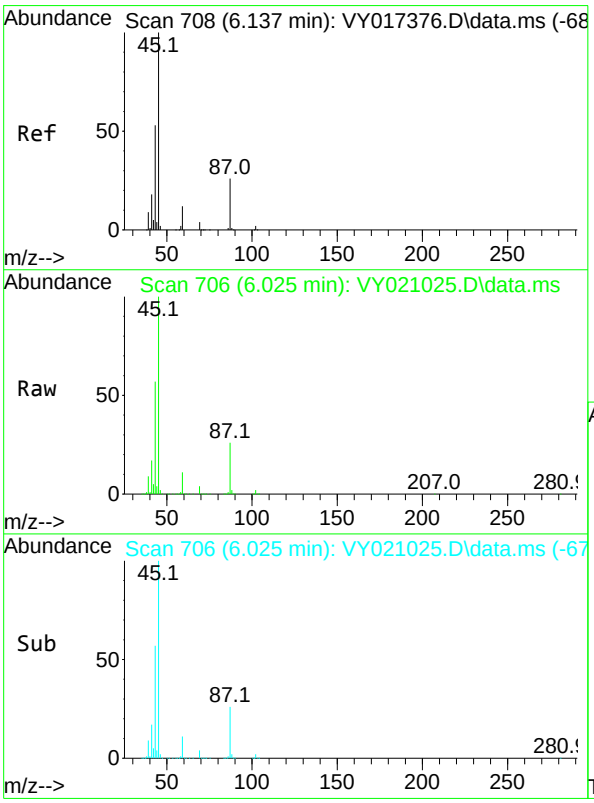
#21
trans-1,2-Dichloroethene
Concen: 131.661 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.118 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 306161

Ion	Ratio	Lower	Upper
96	100		
61	140.1	104.6	156.8
98	64.1	50.9	76.3

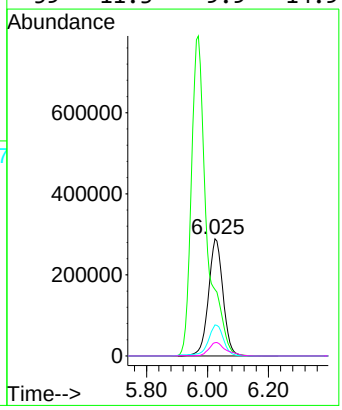


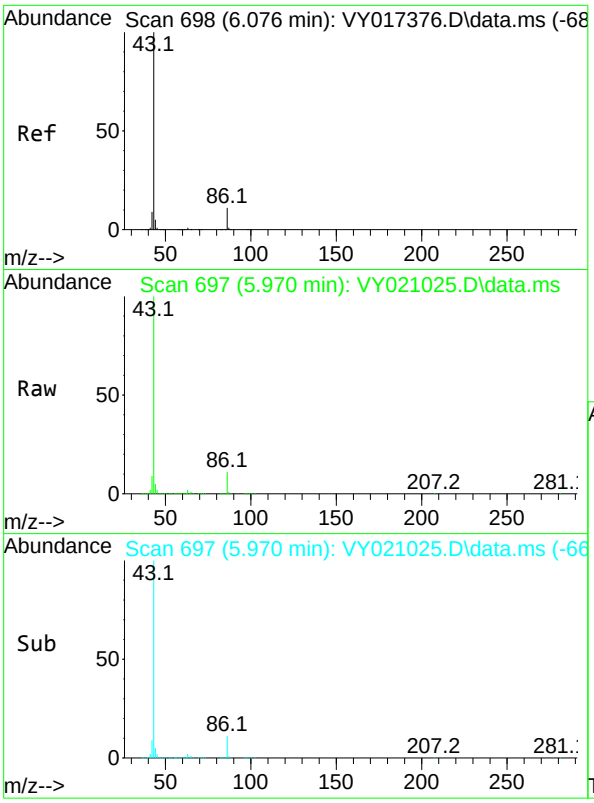


#22
Diisopropyl ether
Concen: 148.098 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.112 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 45 Resp: 955213

Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.8	70.2
87	26.5	22.2	33.2
59	11.3	9.9	14.9



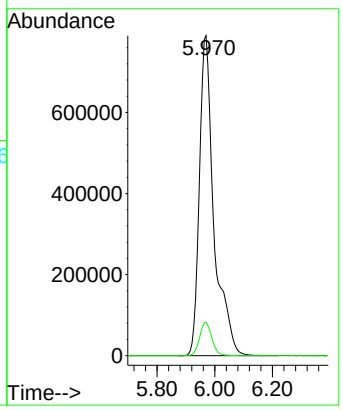


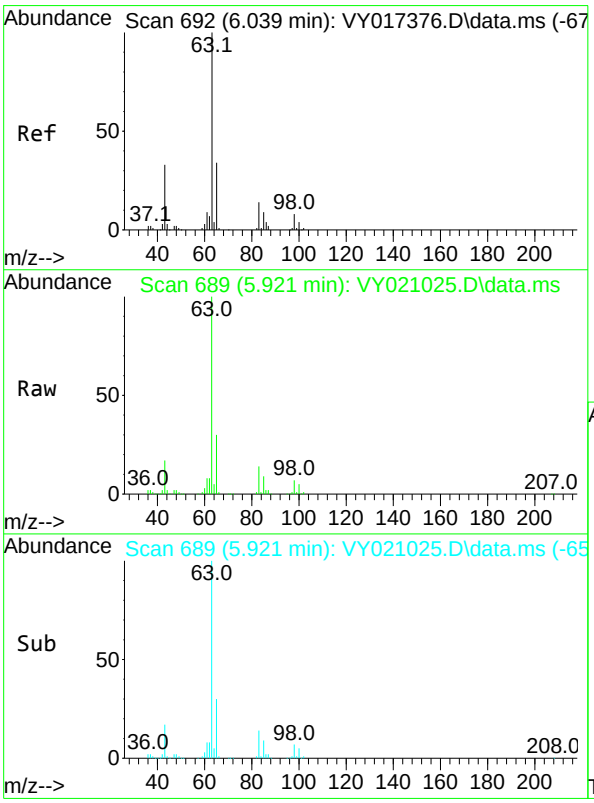
#23
Vinyl Acetate
Concen: 1071.606 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2761423

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	13.0

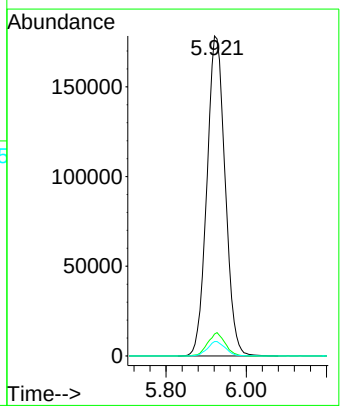


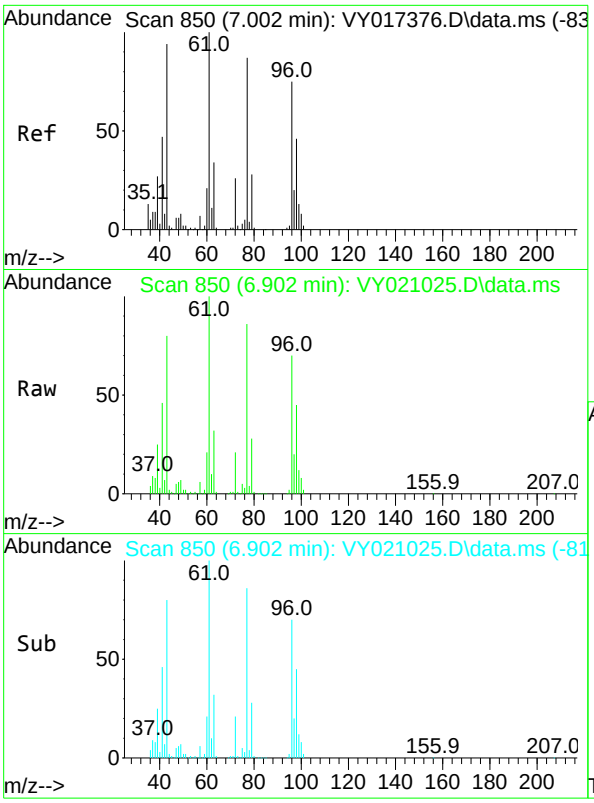


#24
1,1-Dichloroethane
Concen: 139.932 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.118 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 563116

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.4
100	4.5	2.1	6.2



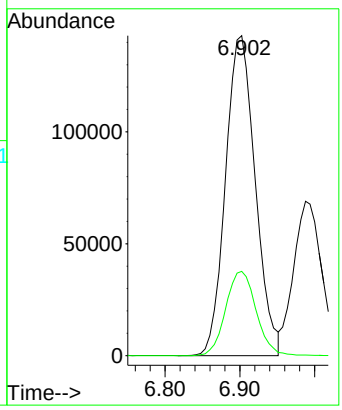


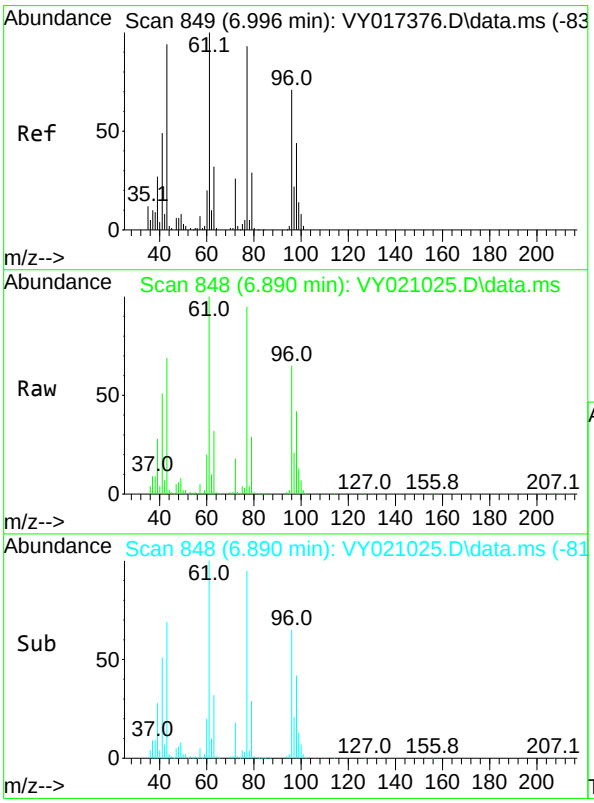
#25
2-Butanone
Concen: 600.838 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 395886

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

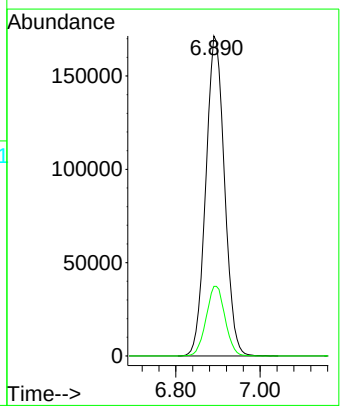


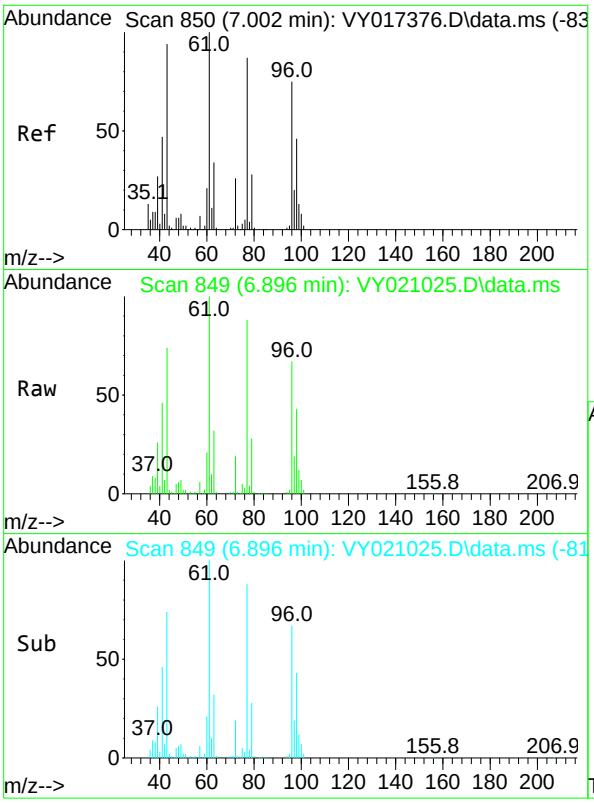


#26
2,2-Dichloropropane
Concen: 153.044 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 77 Resp: 527500

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.7	35.0



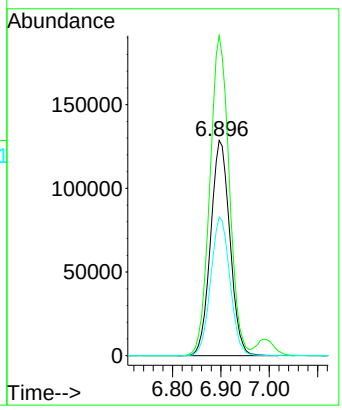


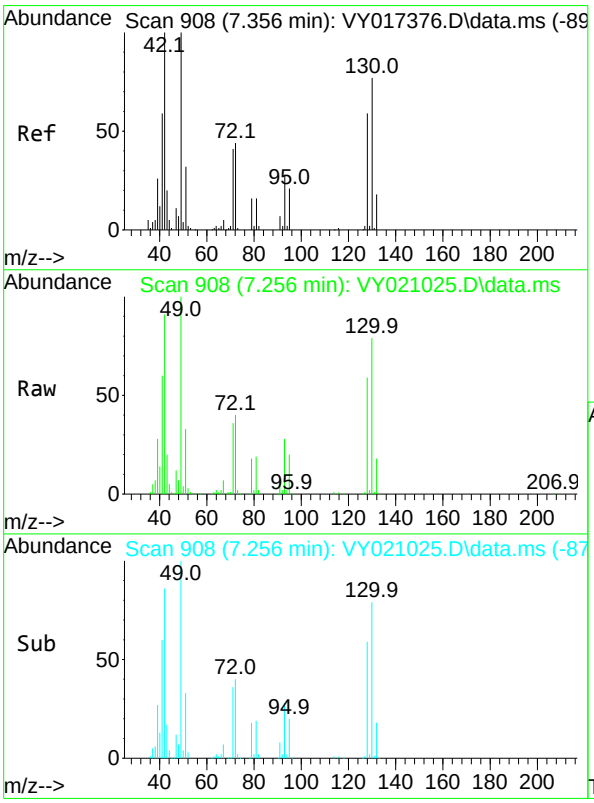
#27
cis-1,2-Dichloroethene
Concen: 142.393 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 356495

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	278.8
98	64.4	0.0	127.0

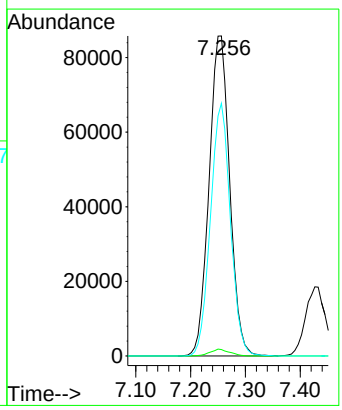


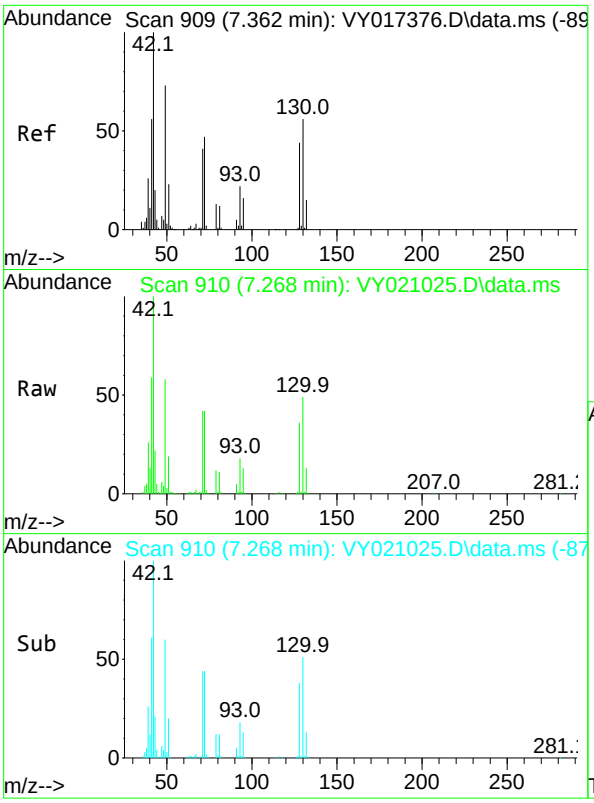


#28
Bromochloromethane
Concen: 154.819 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 49 Resp: 224174

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.4	59.8	89.8



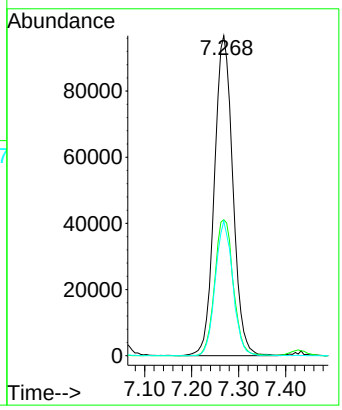


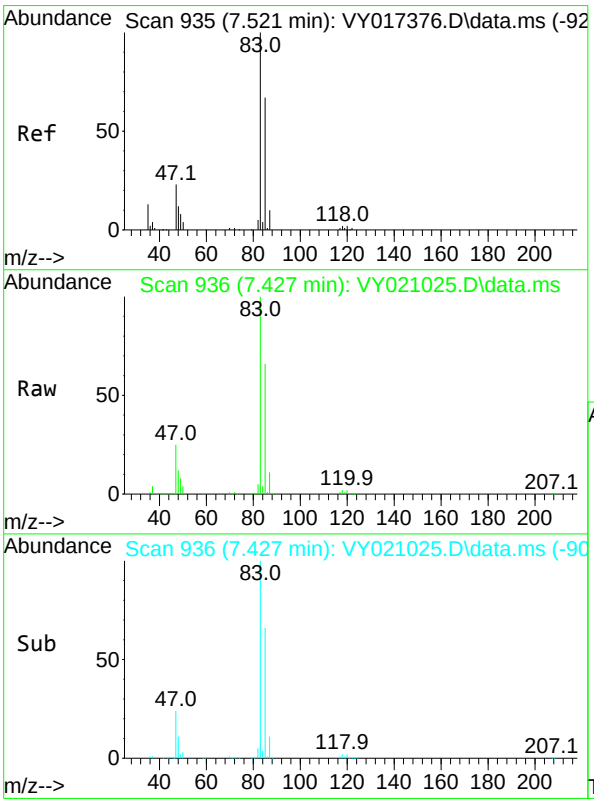
#29
Tetrahydrofuran
Concen: 722.351 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 263943

Ion	Ratio	Lower	Upper
42	100		
72	42.9	36.6	54.8
71	39.9	33.8	50.6

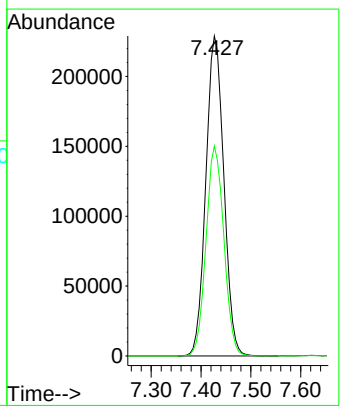


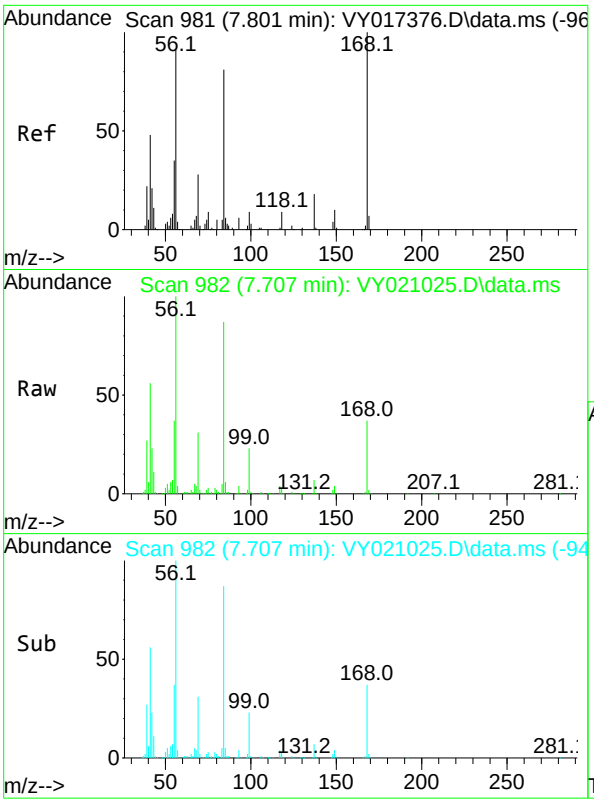


#30
Chloroform
Concen: 142.767 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 572890

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.2	76.8



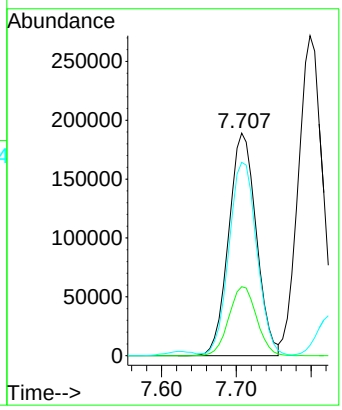


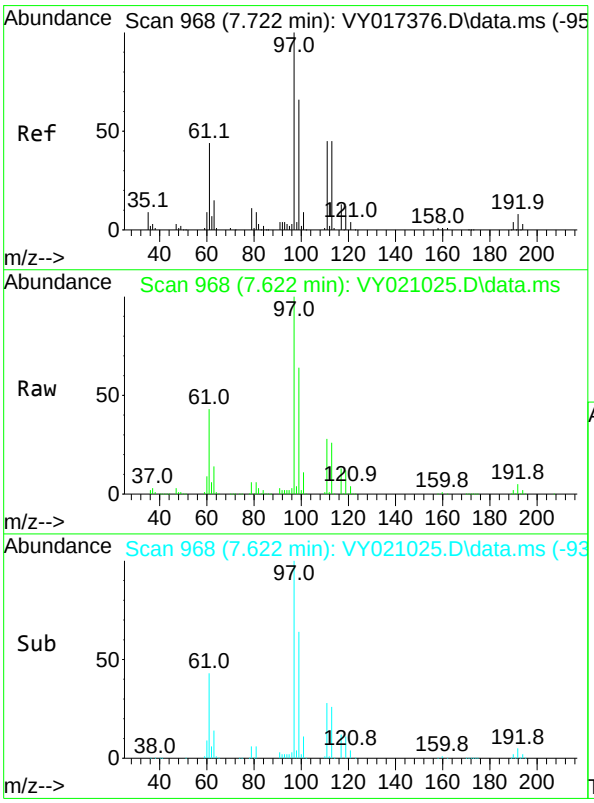
#31
Cyclohexane
Concen: 126.502 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 485167

Ion	Ratio	Lower	Upper
56	100		
69	31.0	27.0	40.6
84	84.9	71.8	107.6

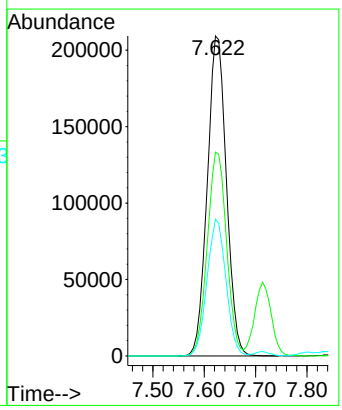


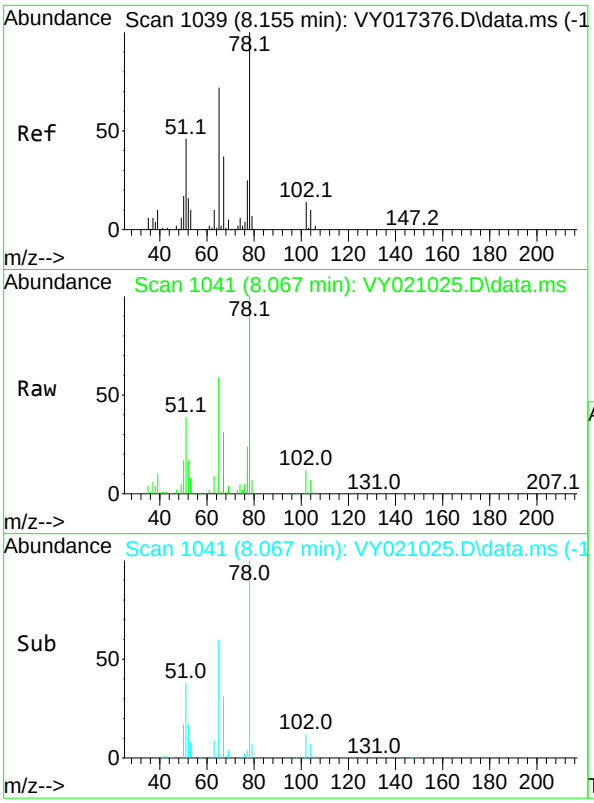


#32
1,1,1-Trichloroethane
Concen: 151.815 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 540513

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	42.5	35.0	52.6



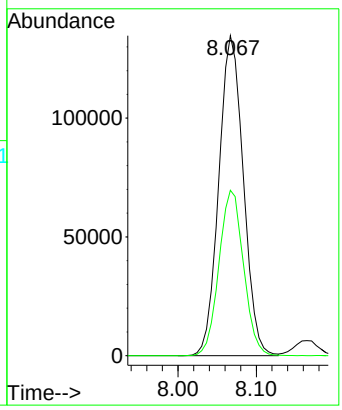


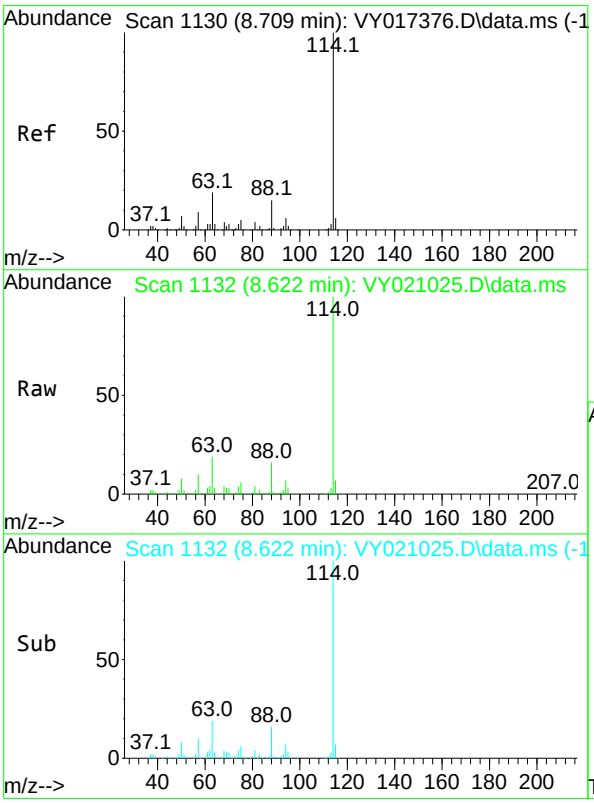
#33
1,2-Dichloroethane-d4
Concen: 145.767 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 293662

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.0

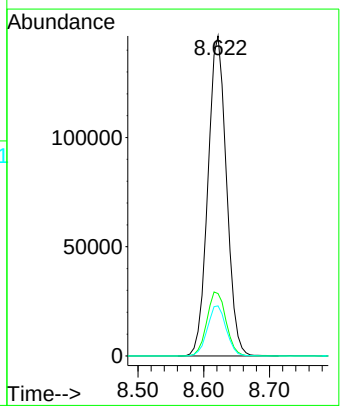


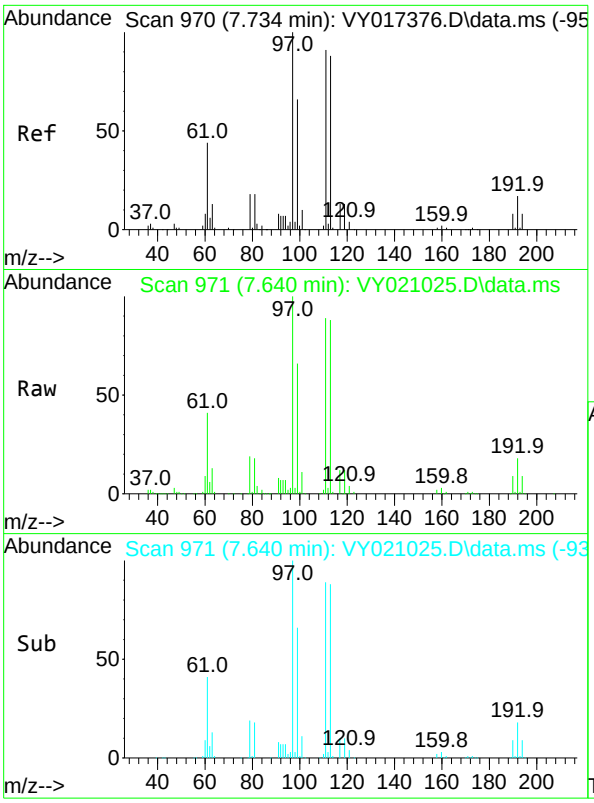


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:114 Resp: 287697

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	37.4
88	15.7	0.0	29.0



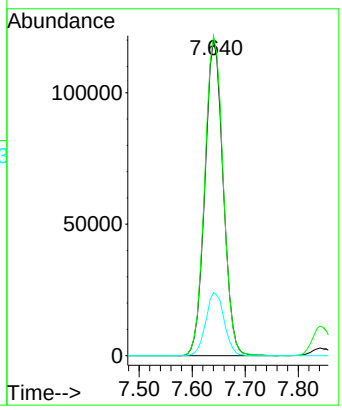


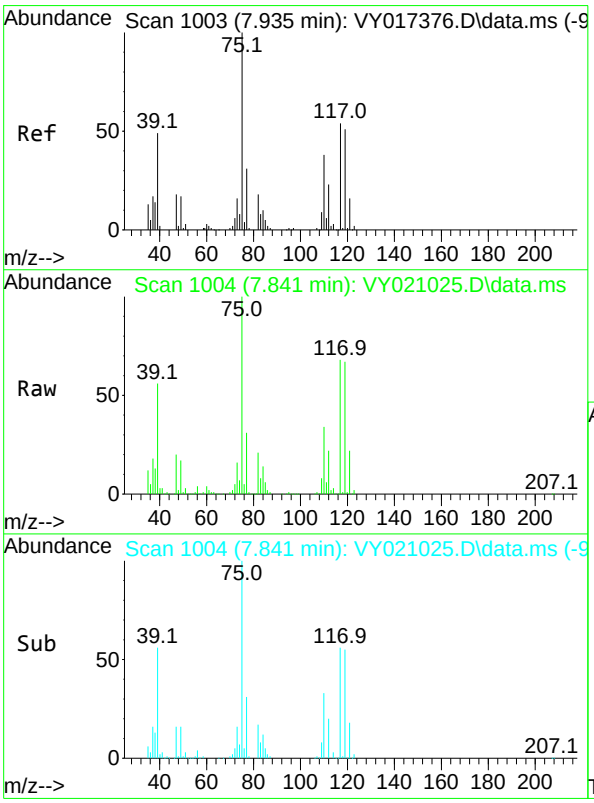
#35
Dibromofluoromethane
Concen: 156.902 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 287798

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.8	125.6
192	20.1	14.5	21.7

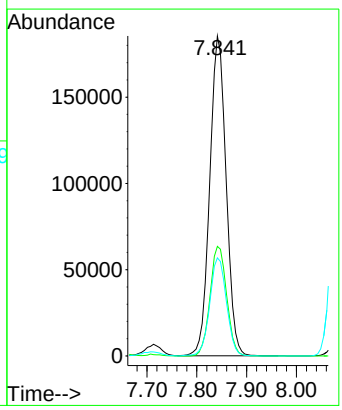


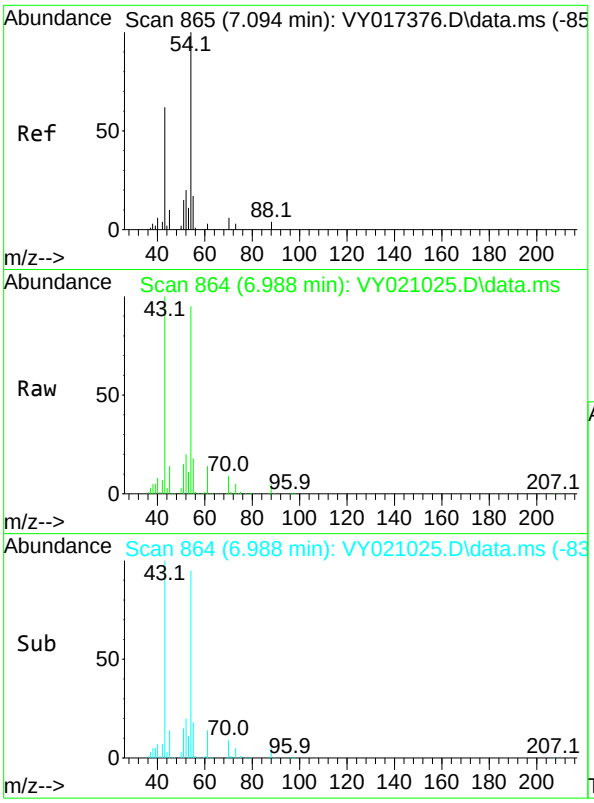


#36
1,1-Dichloropropene
Concen: 141.085 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 423720

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.3
77	31.4	24.7	37.1



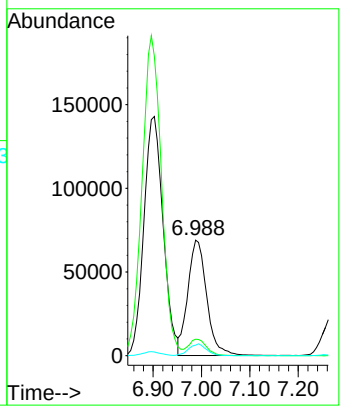


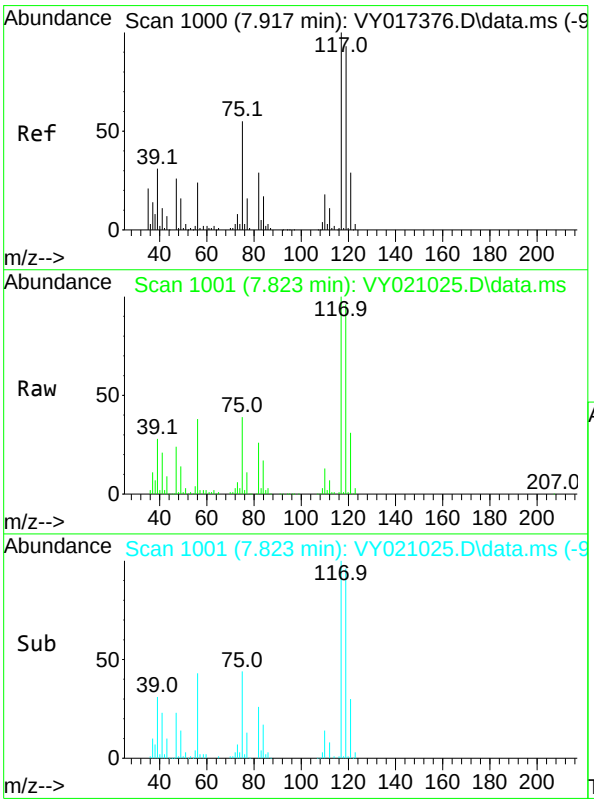
#37
Ethyl Acetate
Concen: 152.878 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 186661

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.6
70	9.6	8.1	12.1

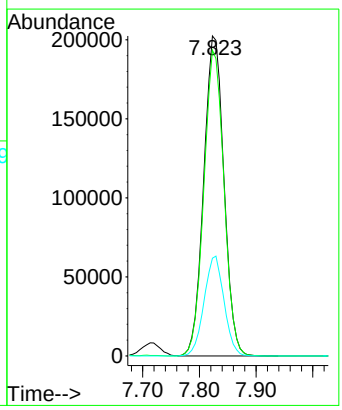


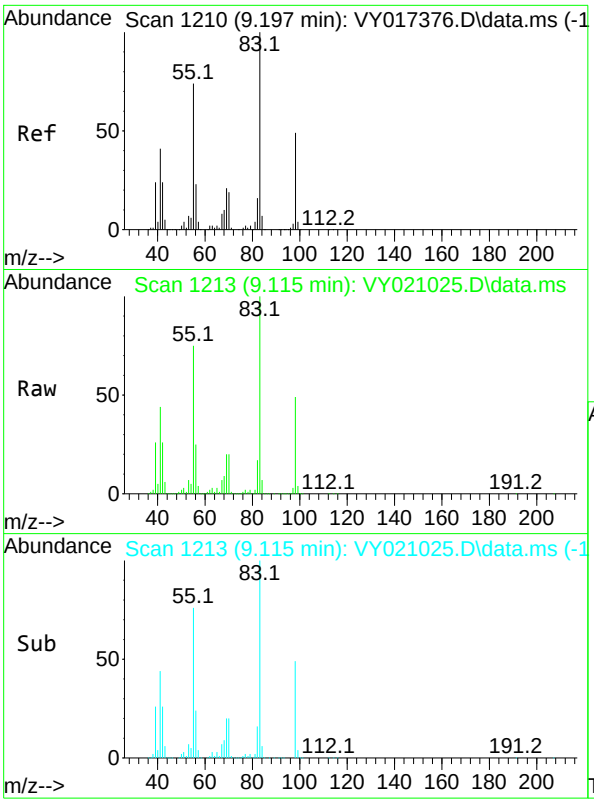


#38
Carbon Tetrachloride
Concen: 173.920 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 501205

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.0	114.0
121	30.6	24.2	36.2



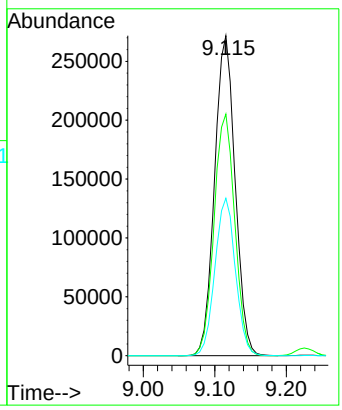


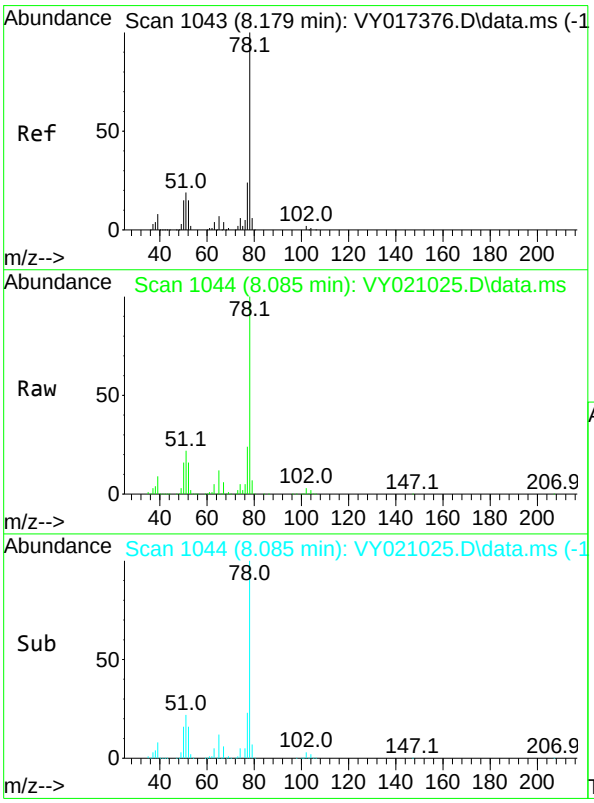
#39
Methylcyclohexane
Concen: 150.976 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 542900

Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.7	89.5
98	49.2	38.0	57.0

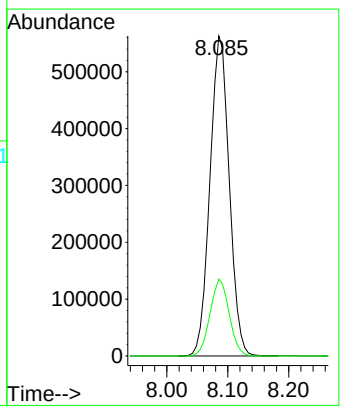


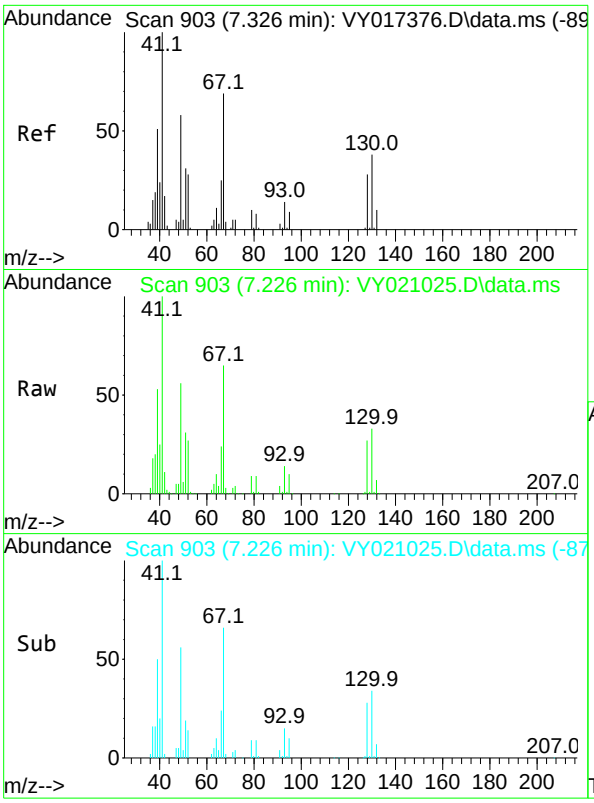


#40
Benzene
Concen: 147.276 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 78 Resp: 1239229

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



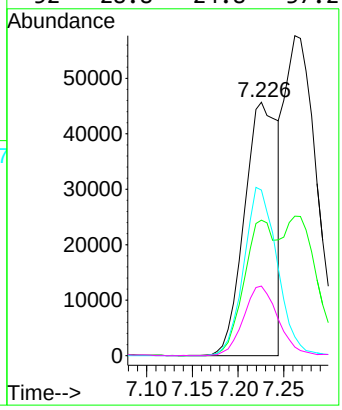


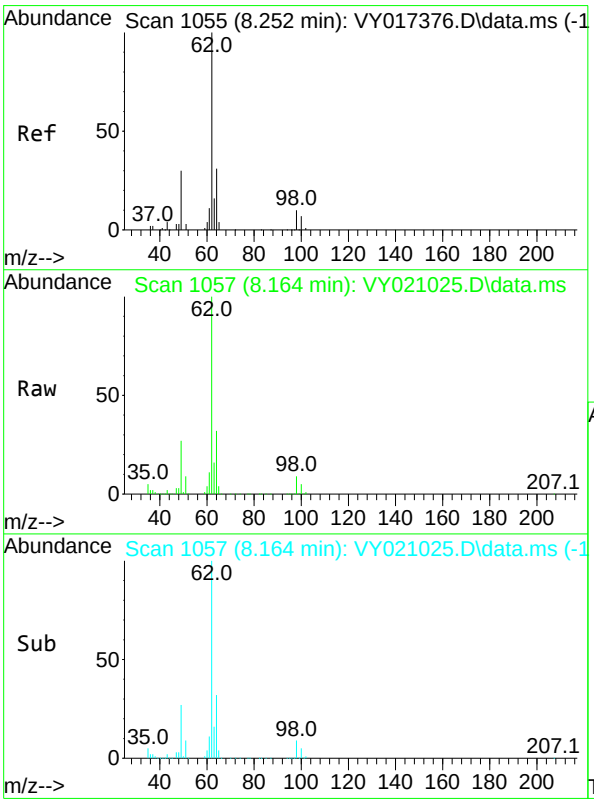
#41
Methacrylonitrile
Concen: 185.172 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 115234

Ion	Ratio	Lower	Upper
41	100		
39	52.7	41.9	62.9
67	67.4	59.8	89.6
52	28.8	24.8	37.2

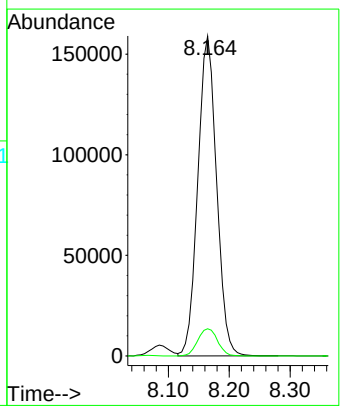


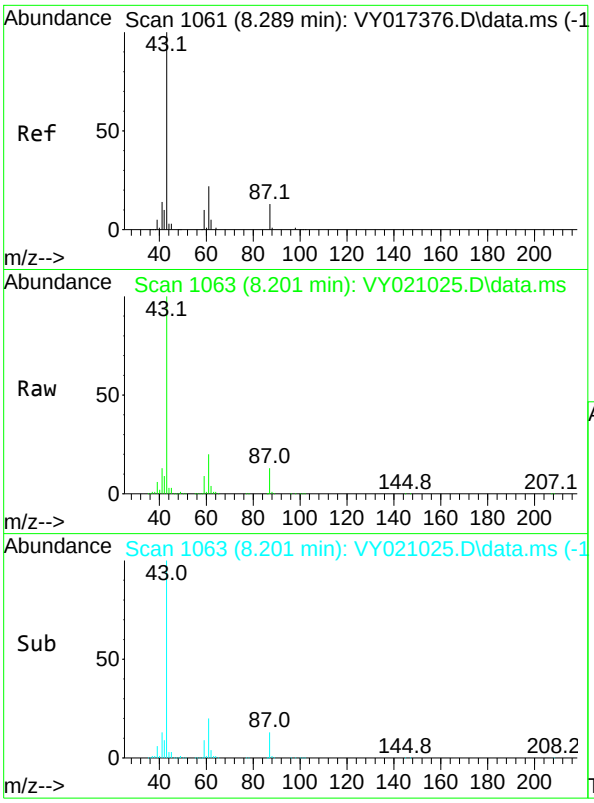


#42
1,2-Dichloroethane
Concen: 159.023 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 340547

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2



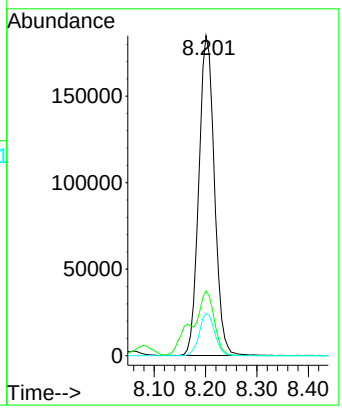


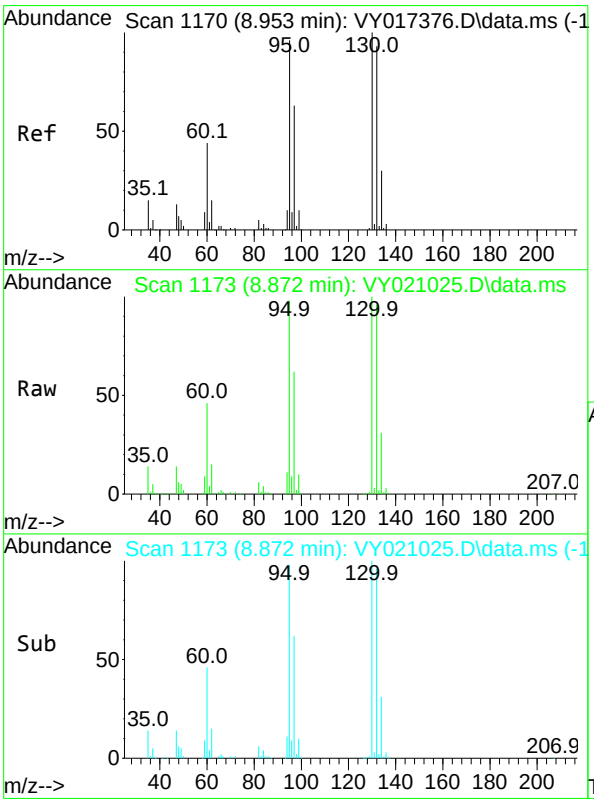
#43
Isopropyl Acetate
Concen: 177.842 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 388966

Ion	Ratio	Lower	Upper
43	100		
61	20.0	24.8	37.2#
87	13.1	10.7	16.1

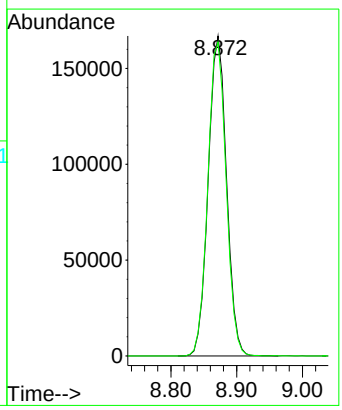


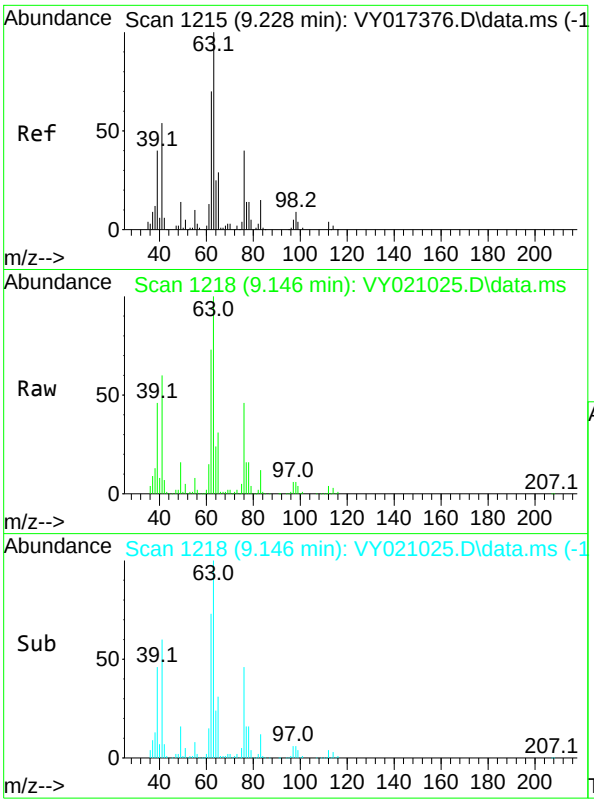


#44
Trichloroethene
Concen: 148.882 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:130 Resp: 323716

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	203.8



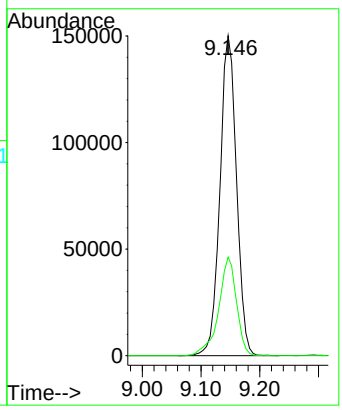


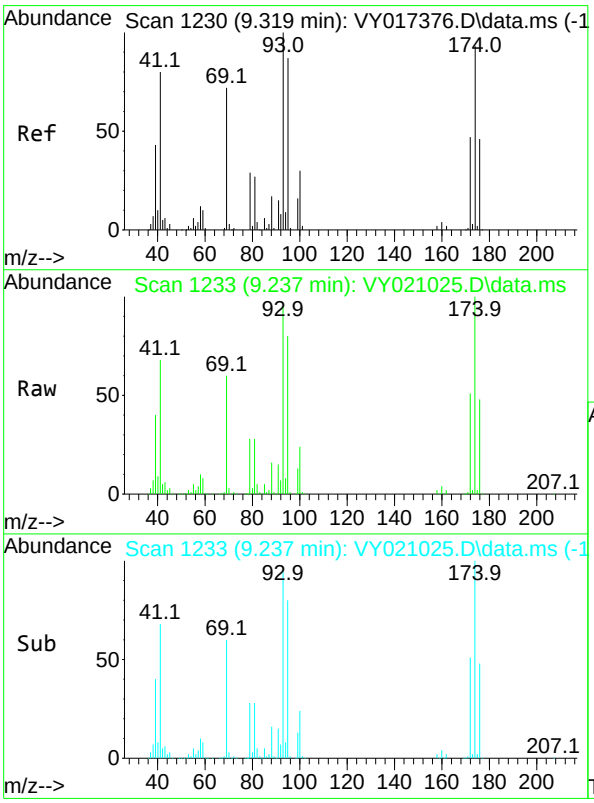
#45
1,2-Dichloropropane
Concen: 145.255 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 294150

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

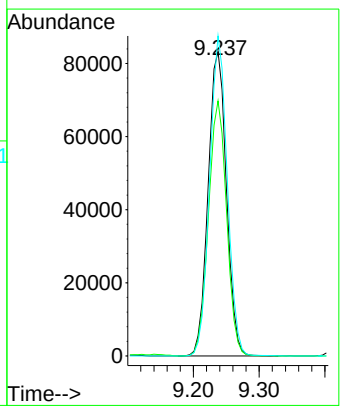


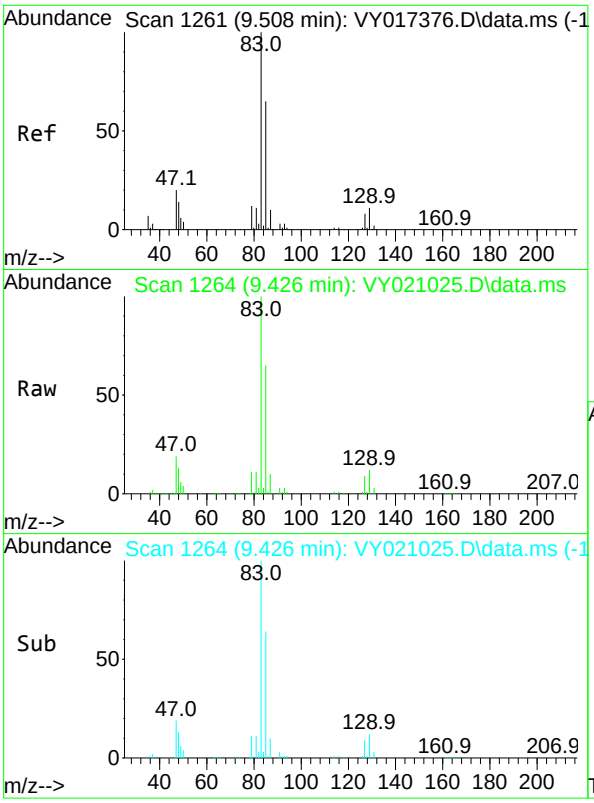


#46
Dibromomethane
Concen: 153.538 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 93 Resp: 161341

Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	99.8
174	101.4	73.8	110.6



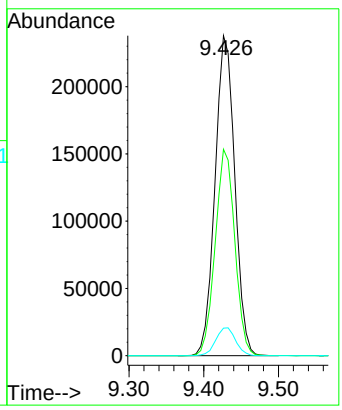


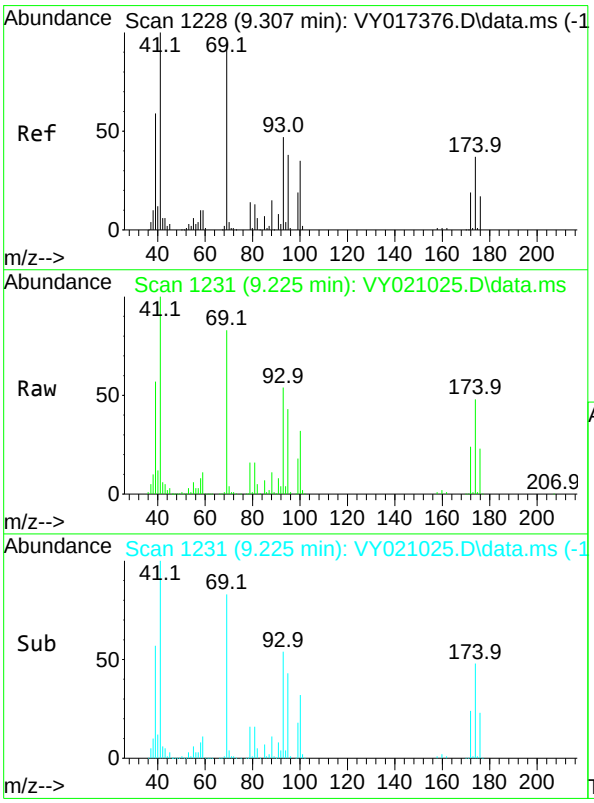
#47
Bromodichloromethane
Concen: 161.734 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 437119

Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.2	79.8
127	8.6	6.4	9.6

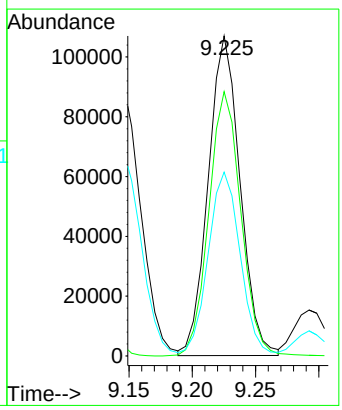


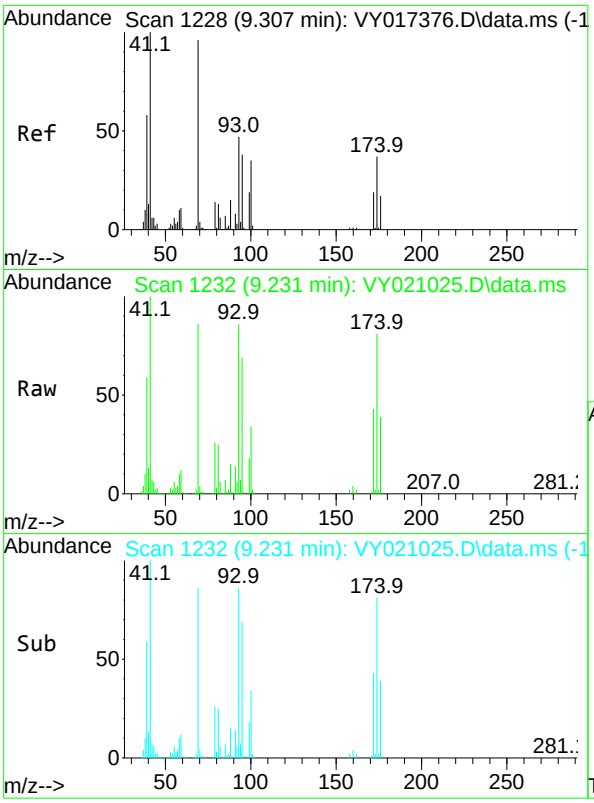


#48
Methyl methacrylate
Concen: 162.199 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 187040

Ion	Ratio	Lower	Upper
41	100		
69	83.4	72.1	108.1
39	55.8	42.8	64.2



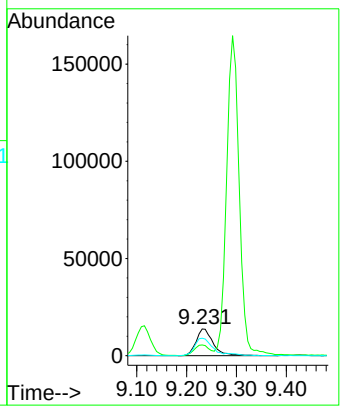


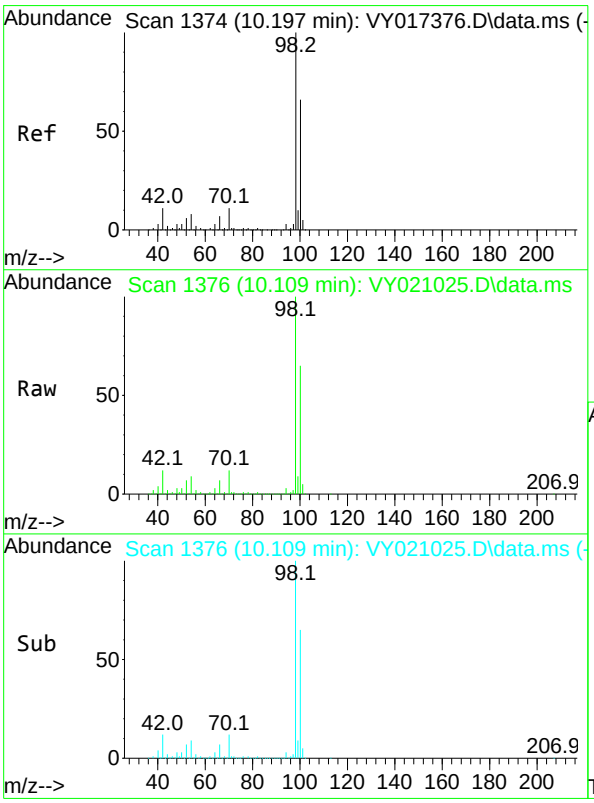
#49
1,4-Dioxane
Concen: 3020.404 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 32704

Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.2	42.4
58	72.3	52.2	78.2

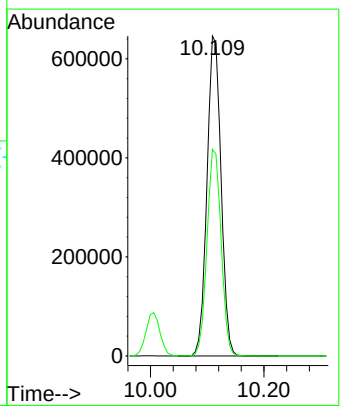


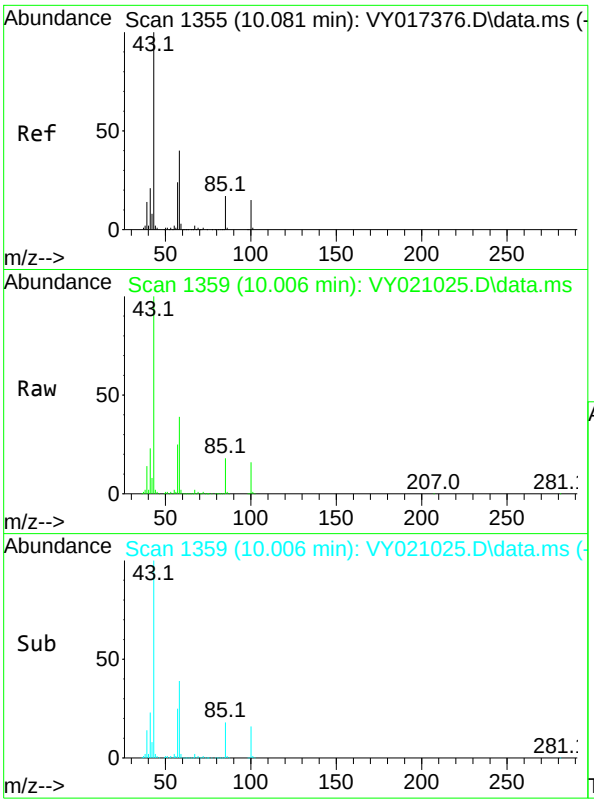


#50
Toluene-d8
Concen: 156.398 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 98 Resp: 1111573

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5



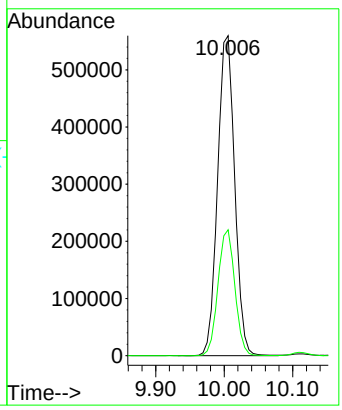


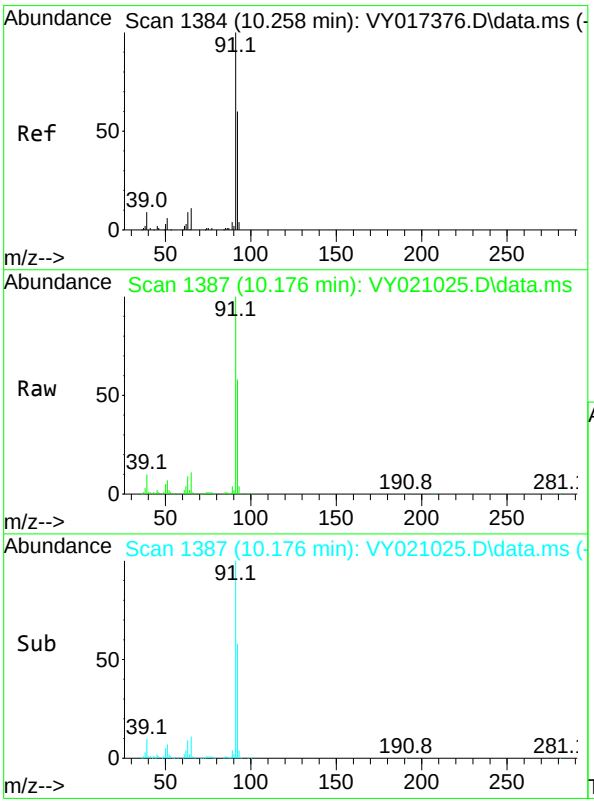
#51
4-Methyl-2-Pentanone
Concen: 812.473 ug/l
RT: 10.006 min Scan# 1
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 965506

Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.2	48.2

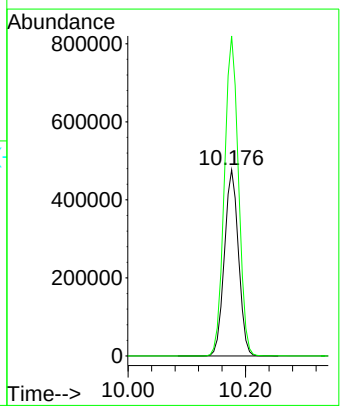


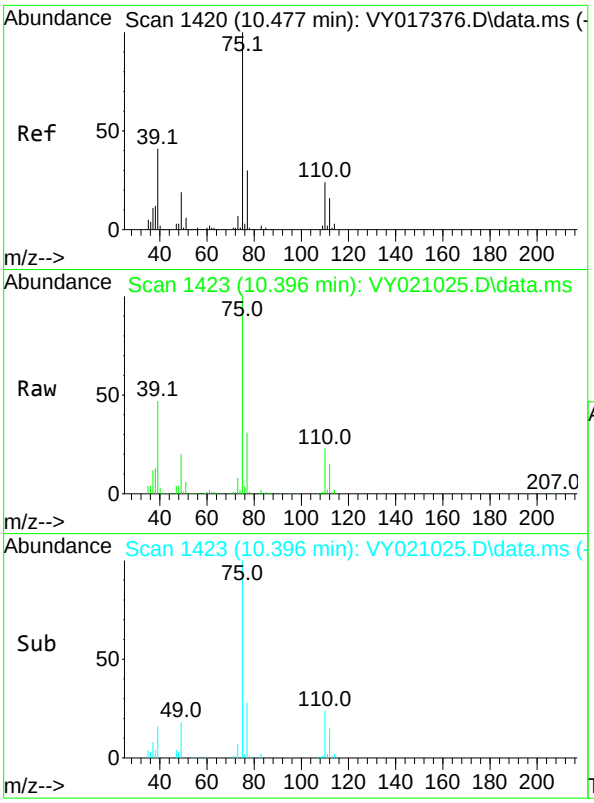


#52
Toluene
Concen: 154.914 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 92 Resp: 792134

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.6	206.4



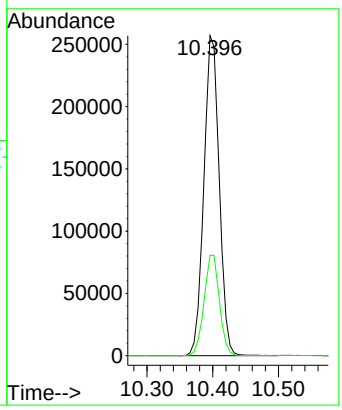


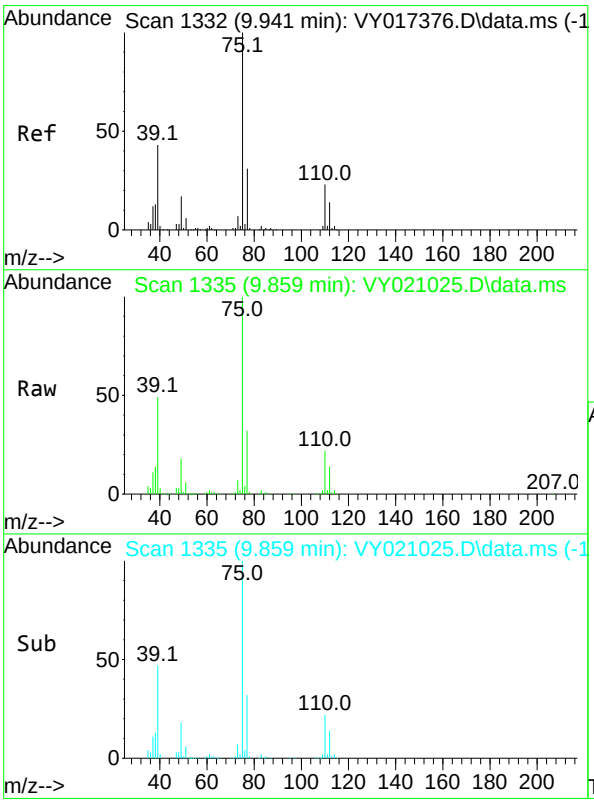
#53
t-1,3-Dichloropropene
Concen: 166.490 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 416872

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8

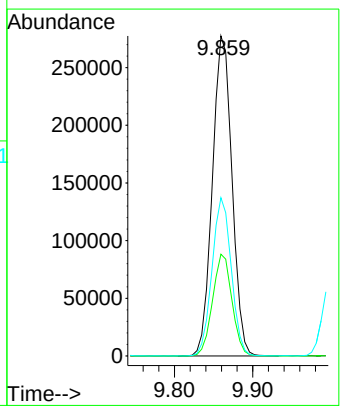


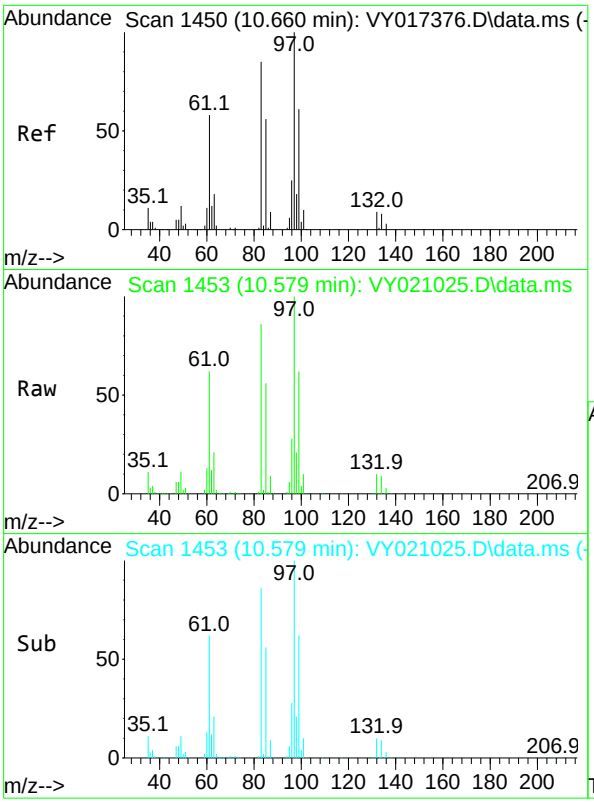


#54
cis-1,3-Dichloropropene
Concen: 157.719 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 483429

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	49.4	33.6	50.4



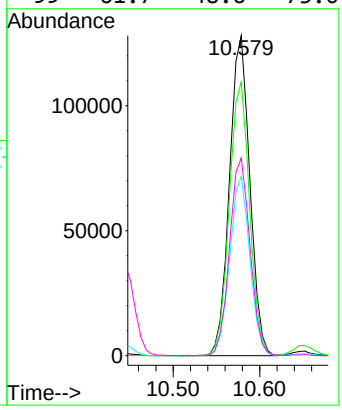


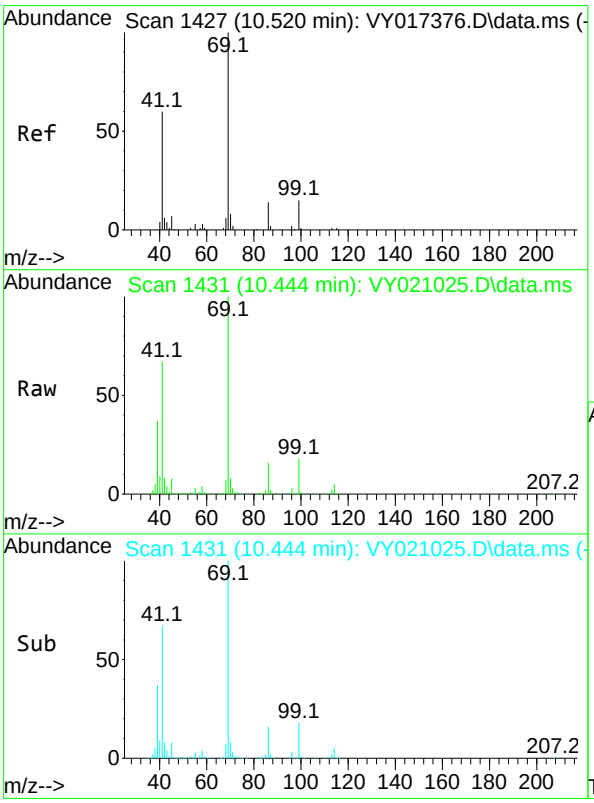
#55
1,1,2-Trichloroethane
Concen: 145.030 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 209006

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.4	104.2
85	56.0	43.9	65.9
99	61.7	48.6	73.0

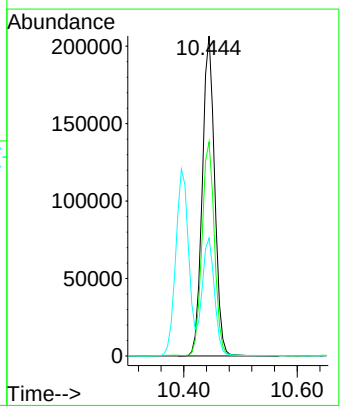


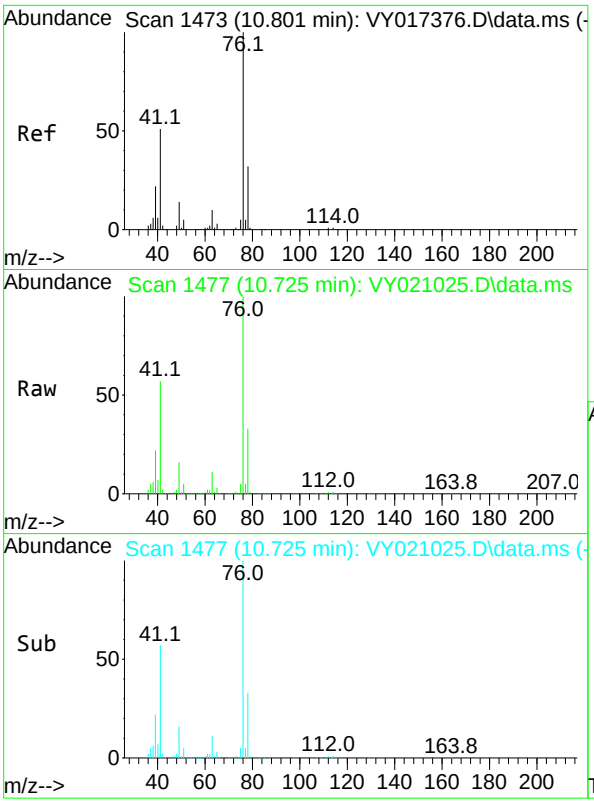


#56
Ethyl methacrylate
Concen: 213.398 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 69 Resp: 313458

Ion	Ratio	Lower	Upper
69	100		
41	67.0	49.2	73.8
39	37.0	26.8	40.2



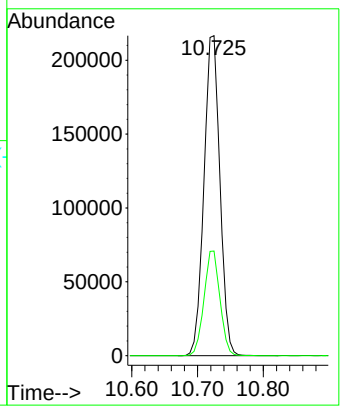


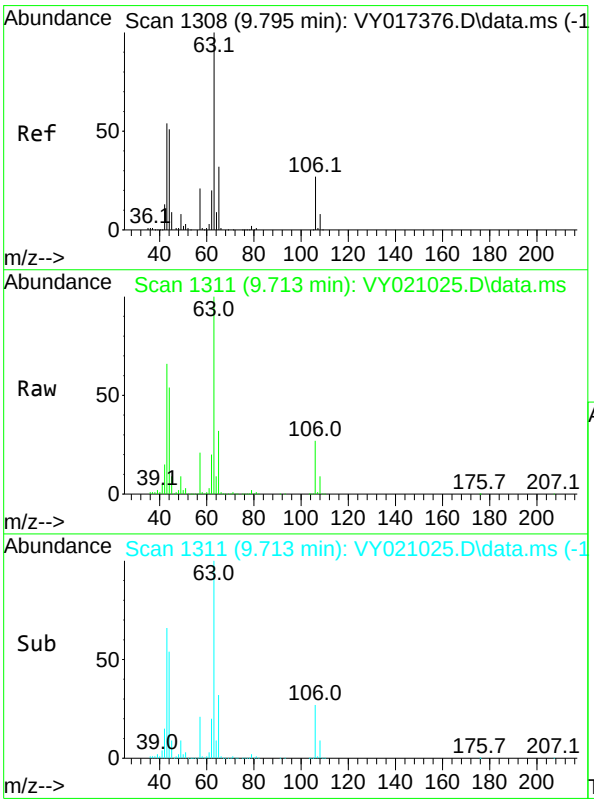
#57
1,3-Dichloropropane
Concen: 147.276 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 365553

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

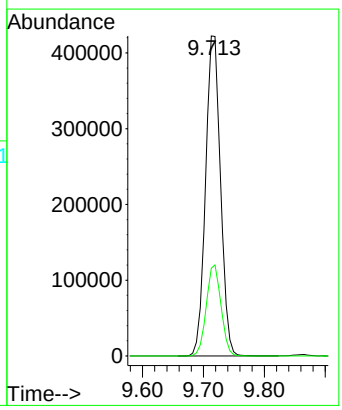


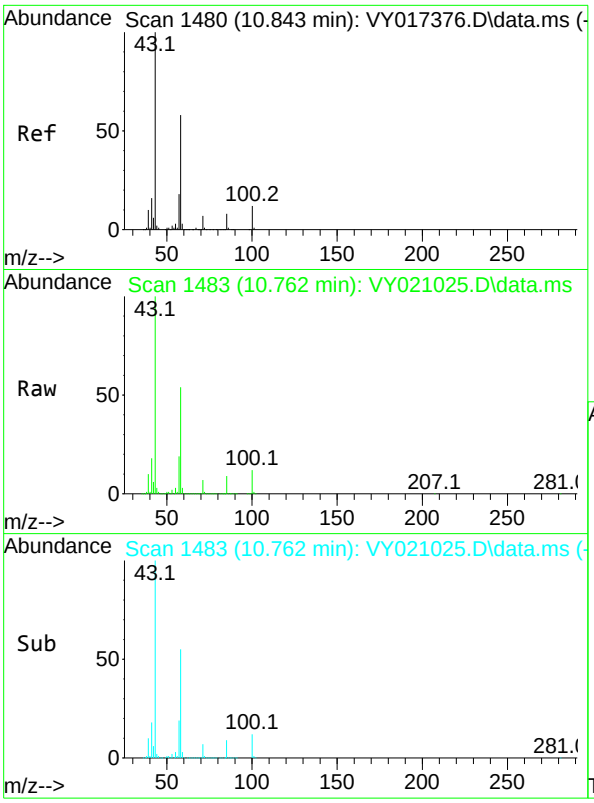


#58
2-Chloroethyl Vinyl ether
Concen: 766.301 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 721923

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6



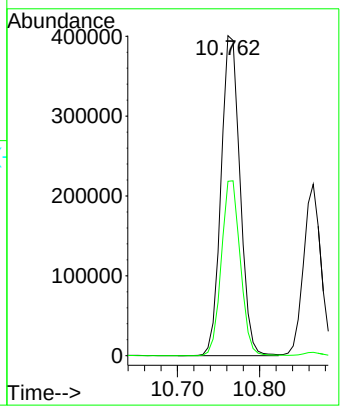


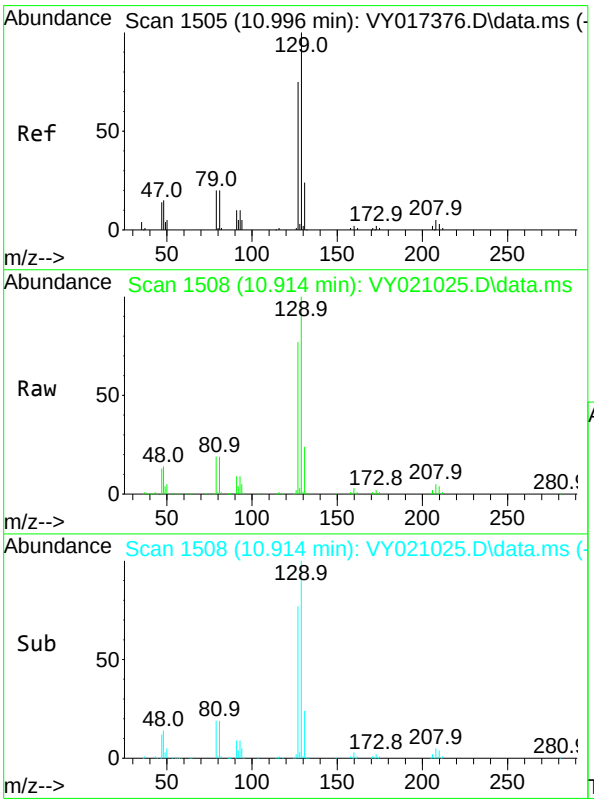
#59
2-Hexanone
Concen: 752.306 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 642448

Ion	Ratio	Lower	Upper
43	100		
58	54.6	28.1	84.3

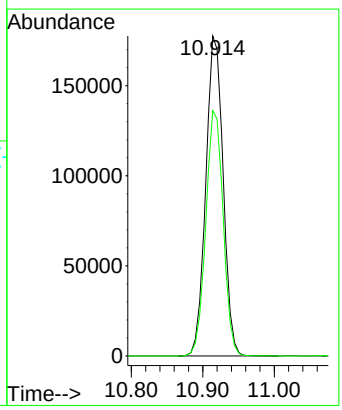


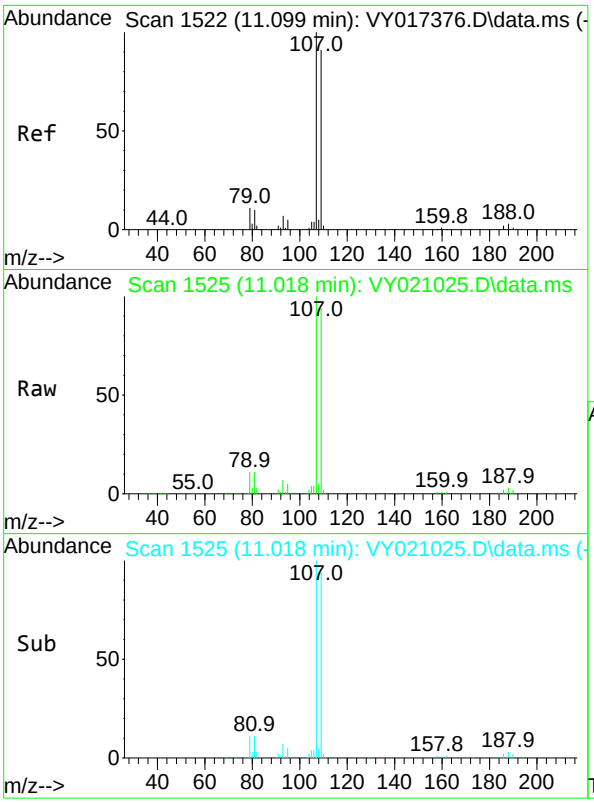


#60
Dibromochloromethane
Concen: 178.499 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:129 Resp: 298751

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.2	117.6



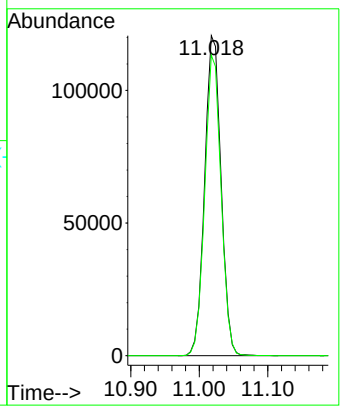


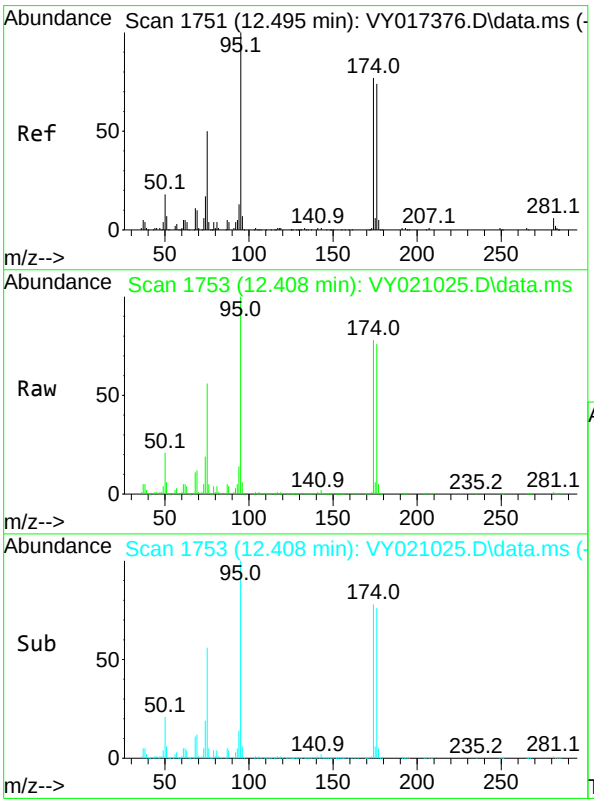
#61
1,2-Dibromoethane
Concen: 151.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 200840

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2

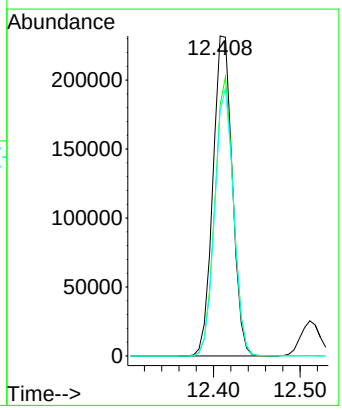


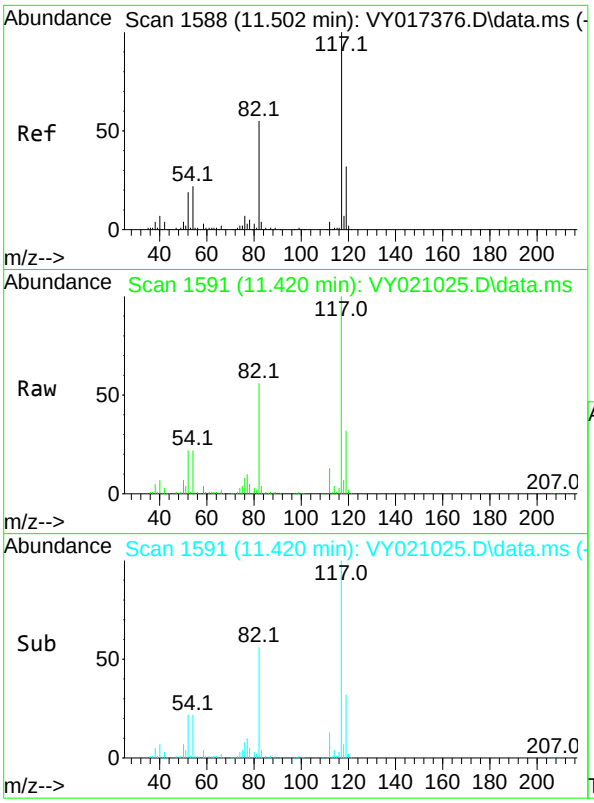


#62
4-Bromofluorobenzene
Concen: 165.389 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 95 Resp: 360358

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	160.0
176	81.4	0.0	151.8



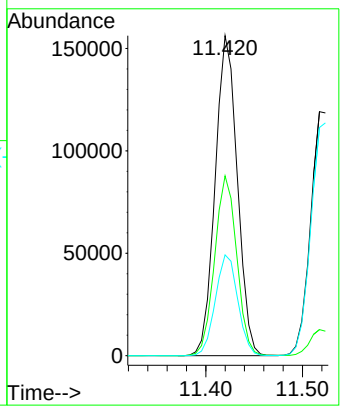


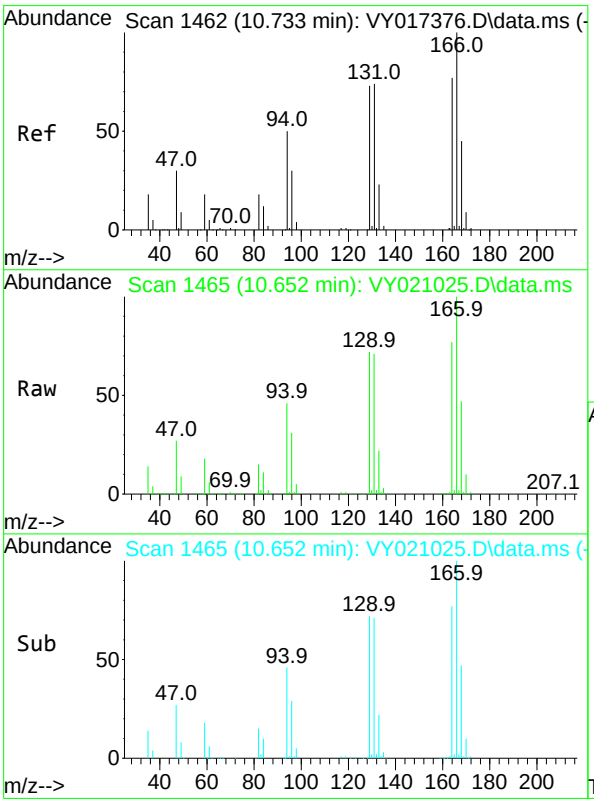
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 248527

Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.8	65.8
119	31.5	26.5	39.7

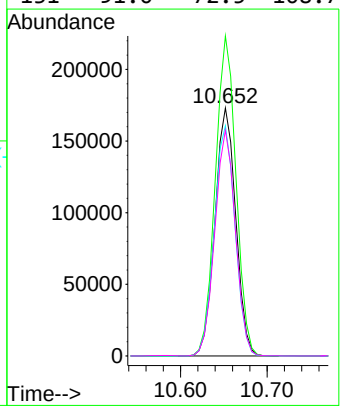


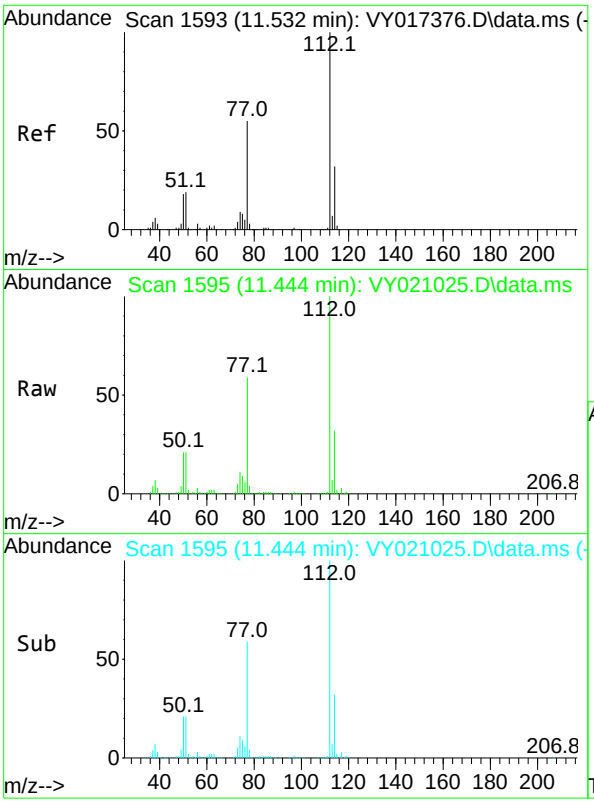


#64
Tetrachloroethene
Concen: 157.146 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:164 Resp: 288752

Ion	Ratio	Lower	Upper
164	100		
166	129.1	98.8	148.2
129	92.8	78.9	118.3
131	91.0	72.5	108.7



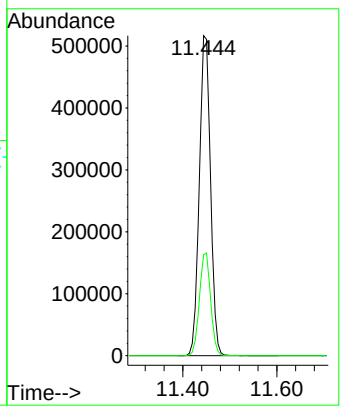


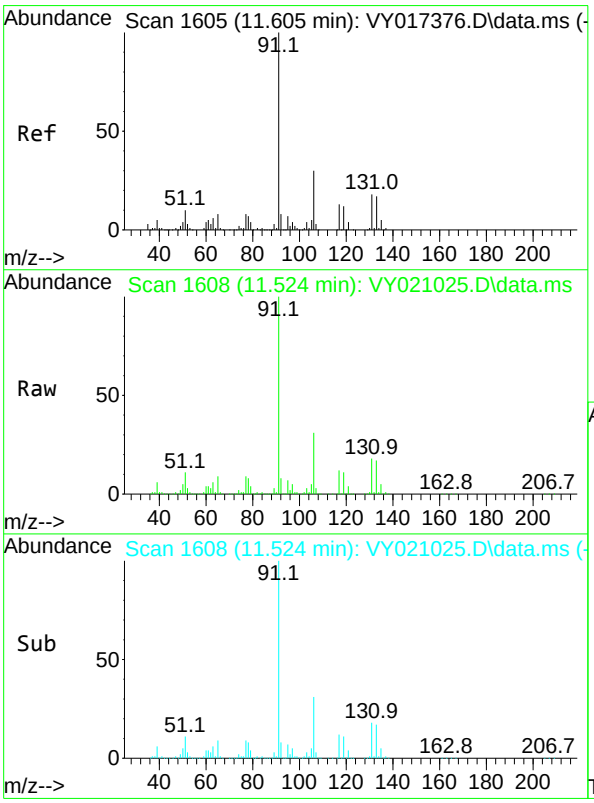
#65
Chlorobenzene
Concen: 162.172 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 854481

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.1	39.1

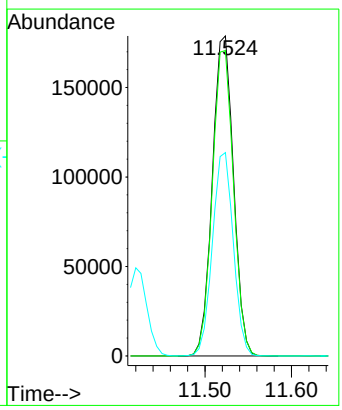


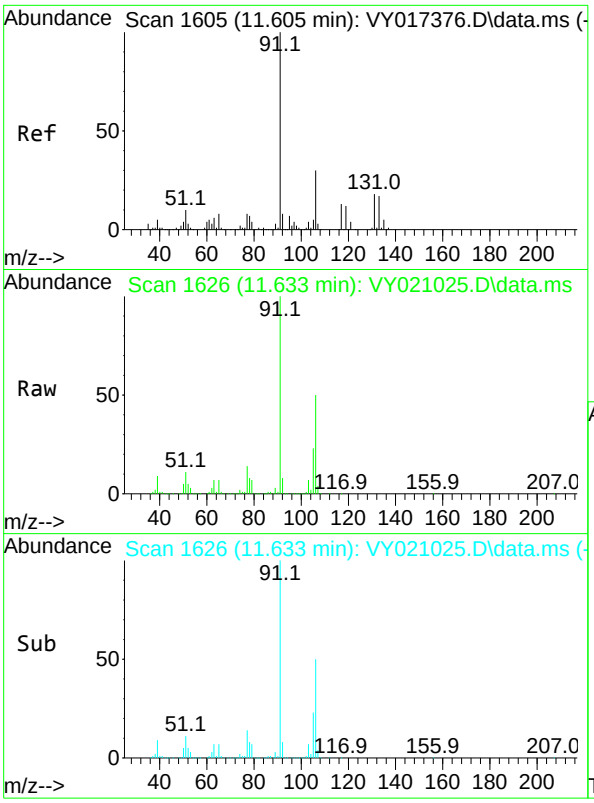


#66
1,1,1,2-Tetrachloroethane
Concen: 159.965 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:131 Resp: 303176

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.0	141.0
119	62.8	33.3	99.9



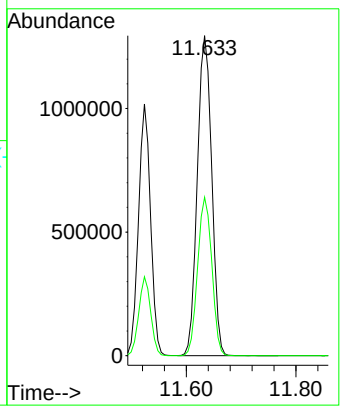


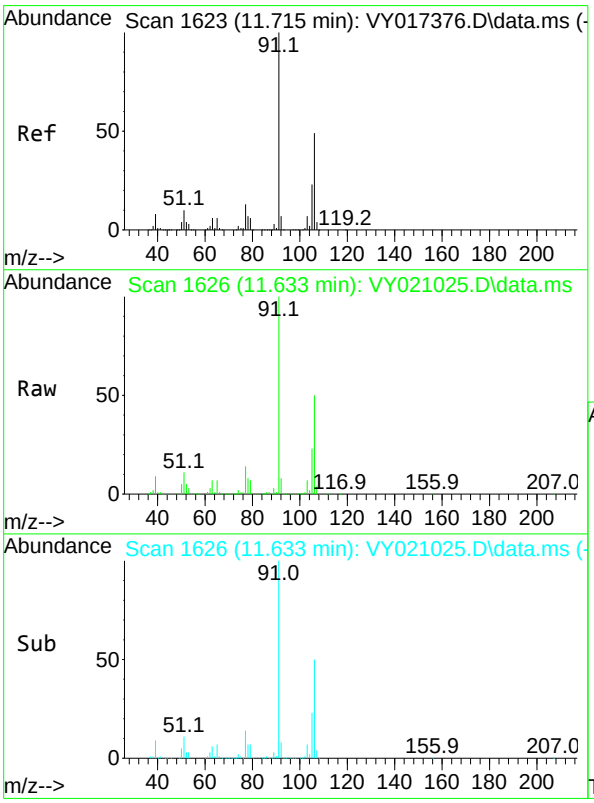
#67
Ethyl Benzene
Concen: 243.252 ug/l
RT: 11.633 min Scan# 1
Delta R.T. 0.028 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2360814

Ion	Ratio	Lower	Upper
91	100		
106	49.5	25.0	37.4#

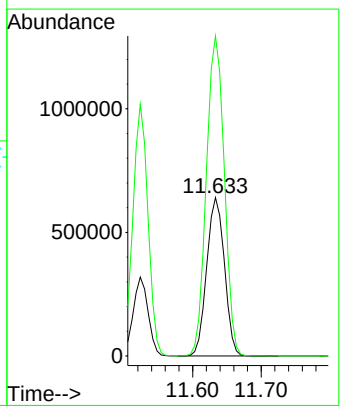


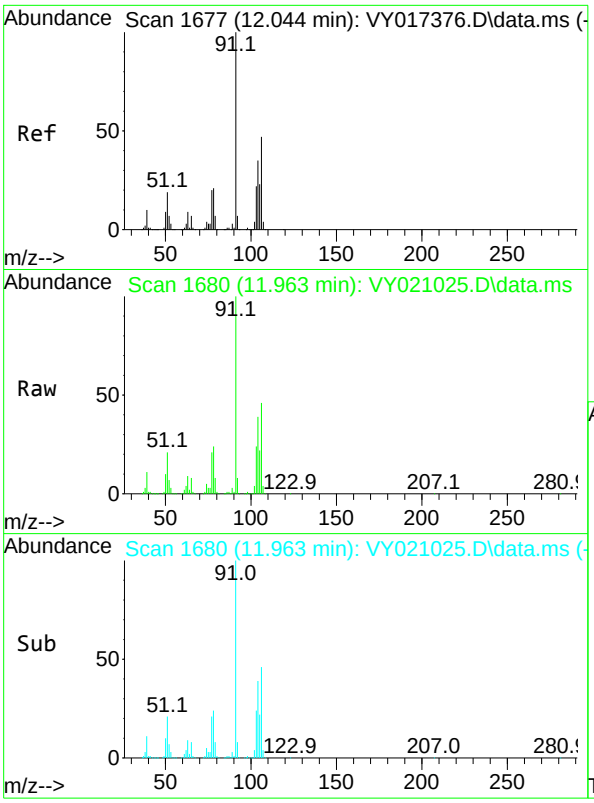


#68
m/p-Xylenes
Concen: 314.940 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:106 Resp: 1152452

Ion	Ratio	Lower	Upper
106	100		
91	204.9	160.7	241.1



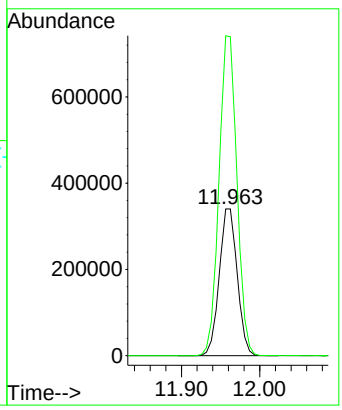


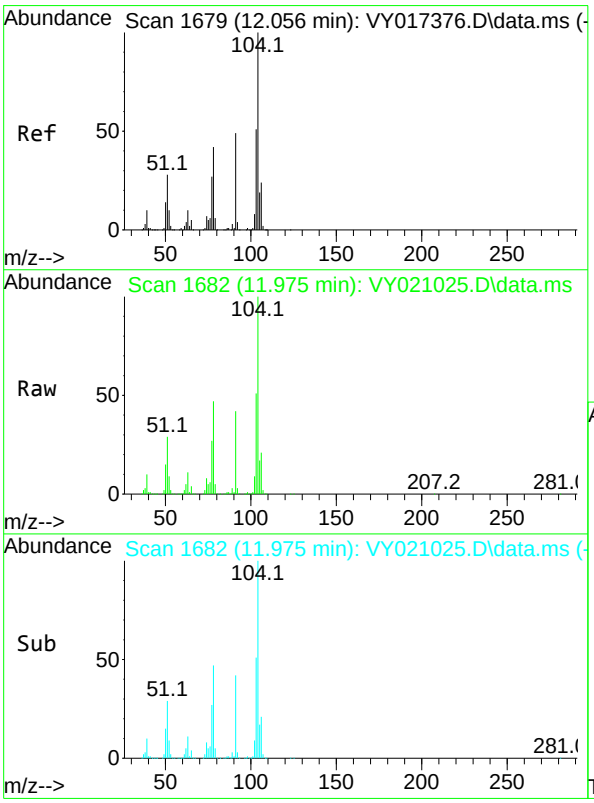
#69
o-Xylene
Concen: 164.162 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 543425

Ion	Ratio	Lower	Upper
106	100		
91	217.3	106.5	319.5

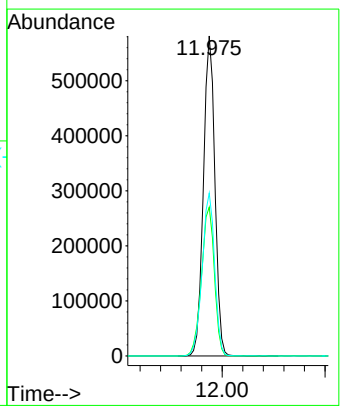


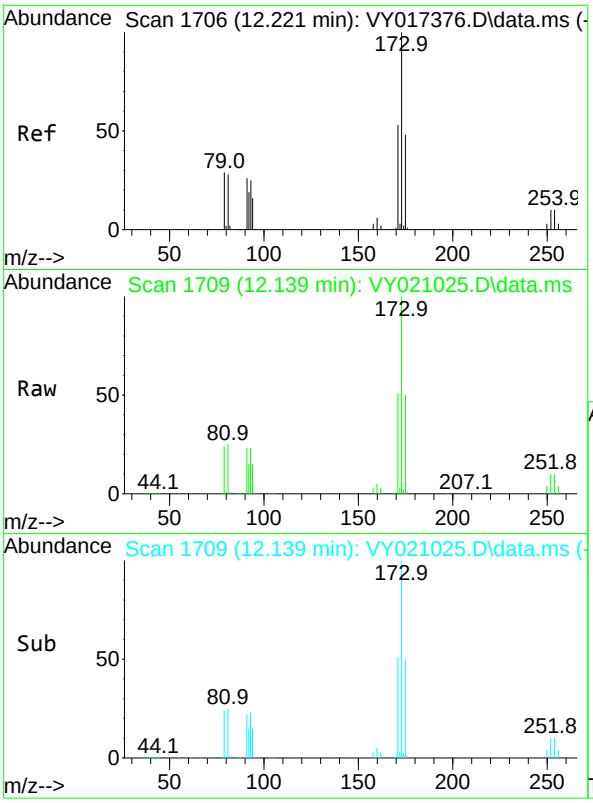


#70
Styrene
Concen: 177.408 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:104 Resp: 900989

Ion	Ratio	Lower	Upper
104	100		
78	52.1	39.2	58.8
103	55.3	43.8	65.6



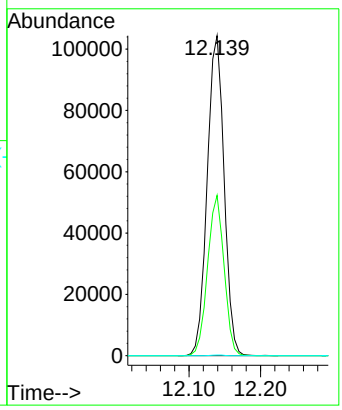


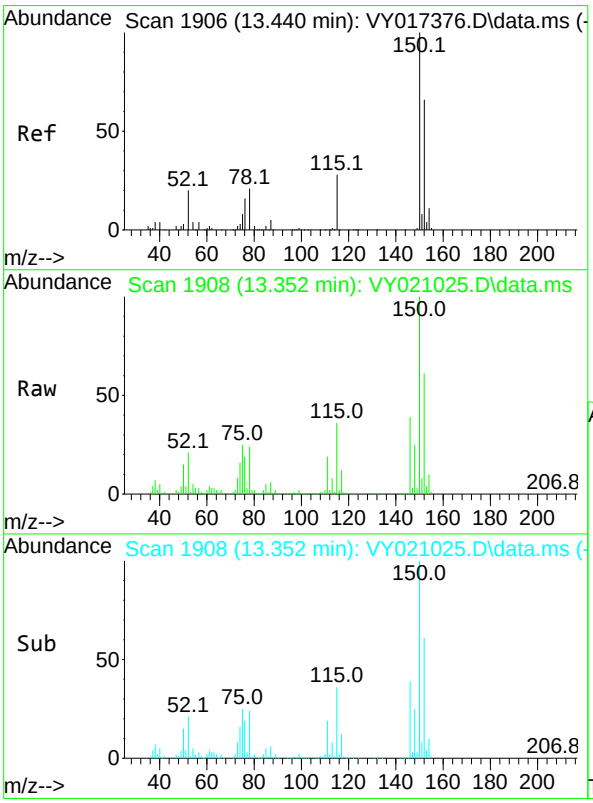
#71
Bromoform
Concen: 186.022 ug/l
RT: 12.139 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 170929

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.1	0.0	0.0#

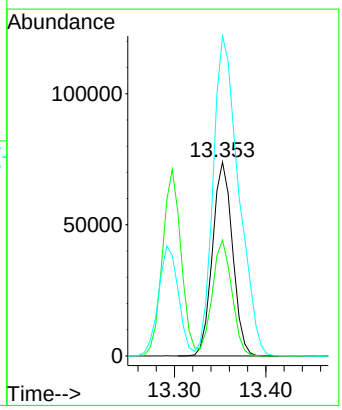


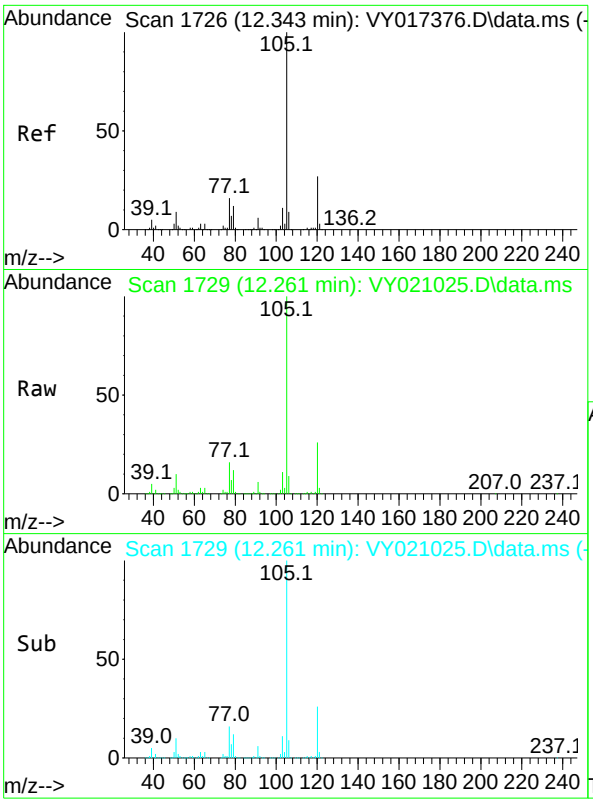


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:152 Resp: 112575

Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.0	90.0
150	210.4	0.0	344.6



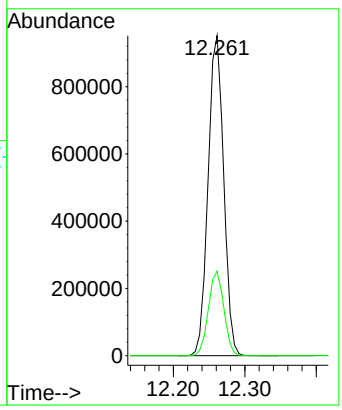


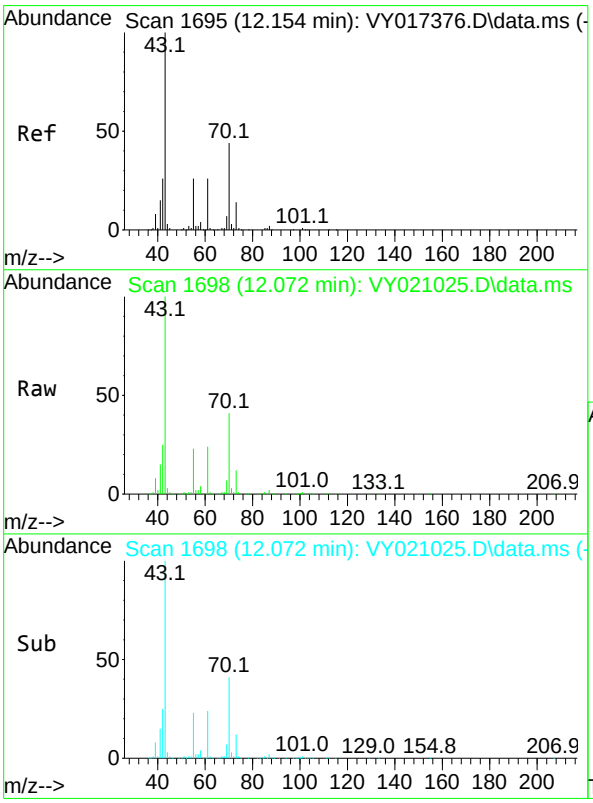
#73
Isopropylbenzene
Concen: 153.455 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1439642

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0

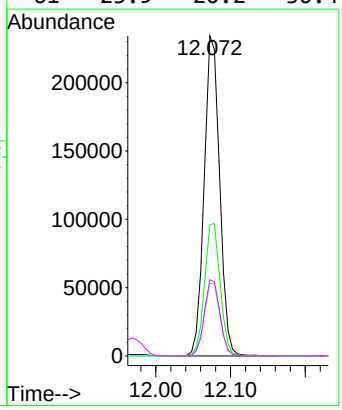


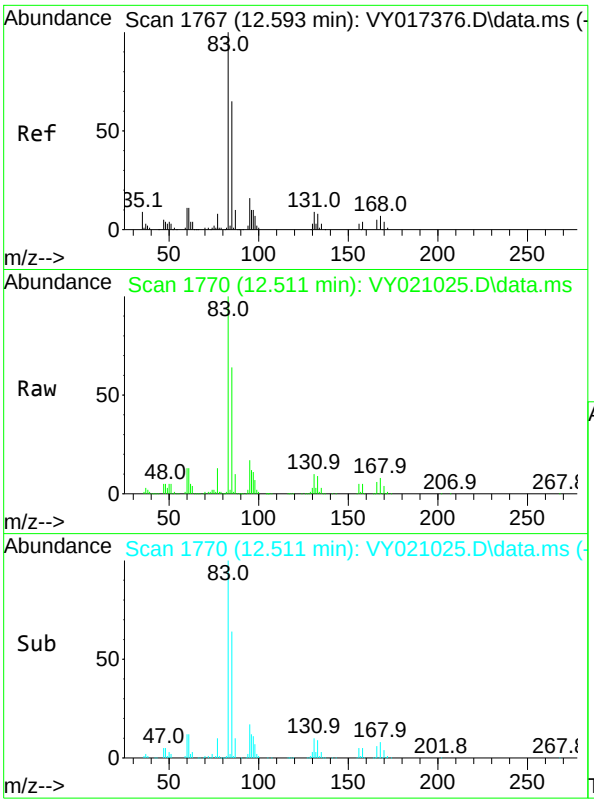


#74
N-amyl acetate
Concen: 181.987 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 337562

Ion	Ratio	Lower	Upper
43	100		
70	41.9	36.6	55.0
55	23.4	22.2	33.4
61	23.9	20.2	30.4



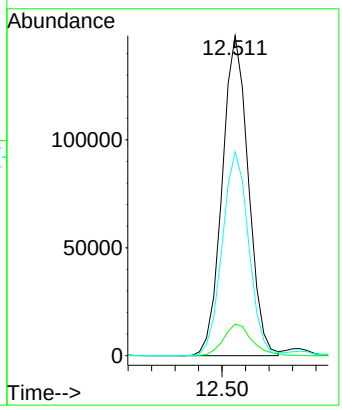


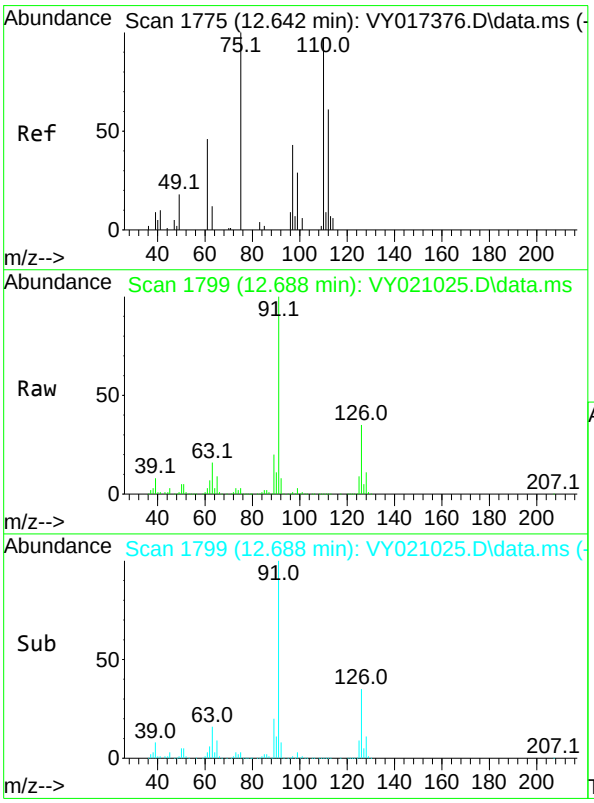
#75
1,1,2,2-Tetrachloroethane
Concen: 136.546 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 229575

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.6
85	64.5	32.6	98.0

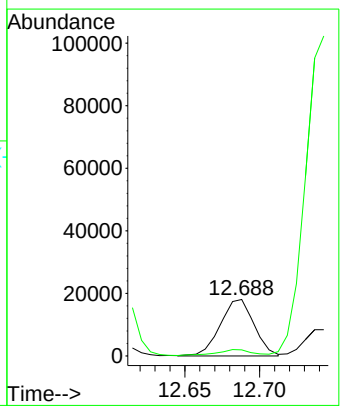


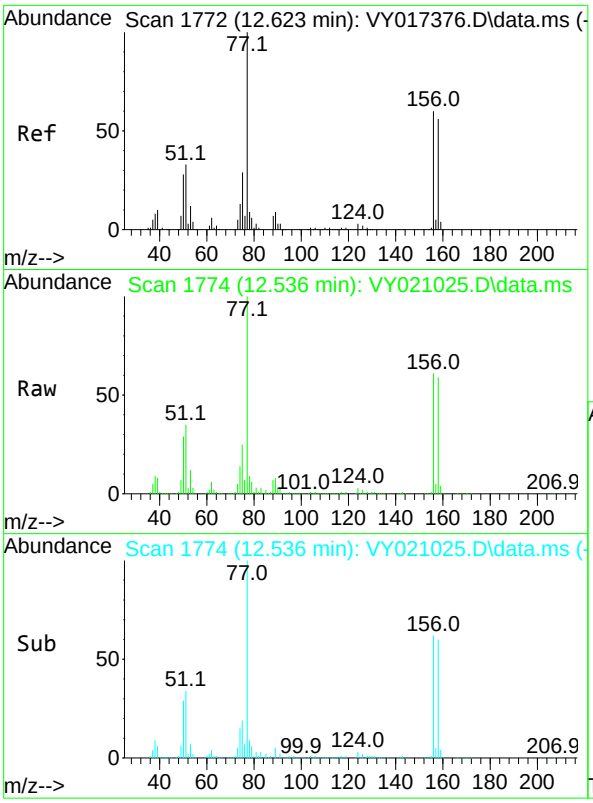


#76
1,2,3-Trichloropropane
Concen: 25.245 ug/l
RT: 12.688 min Scan# 1799
Delta R.T. 0.046 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 28402

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



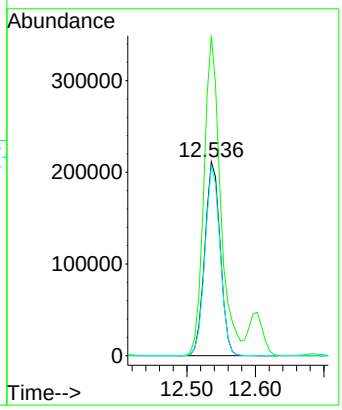


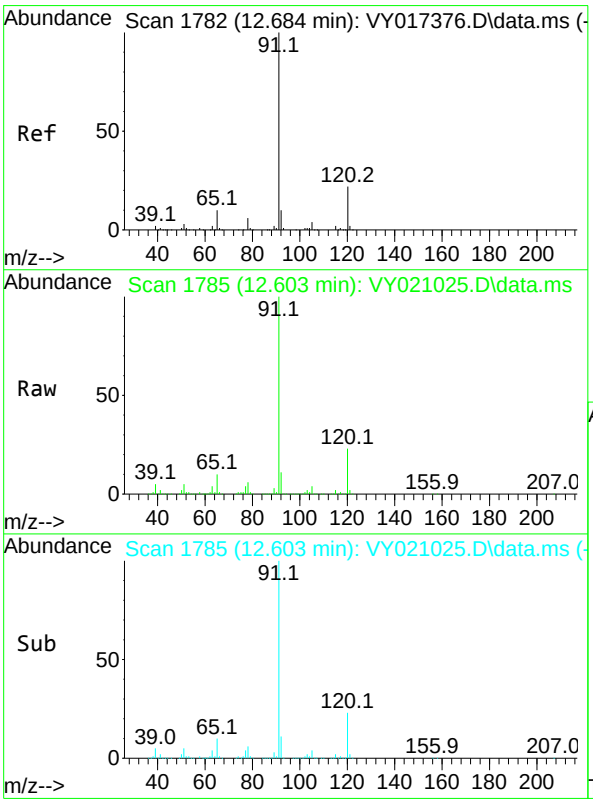
#77
Bromobenzene
Concen: 167.148 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 330230

Ion	Ratio	Lower	Upper
156	100		
77	177.0	97.3	291.8
158	96.2	48.4	145.0

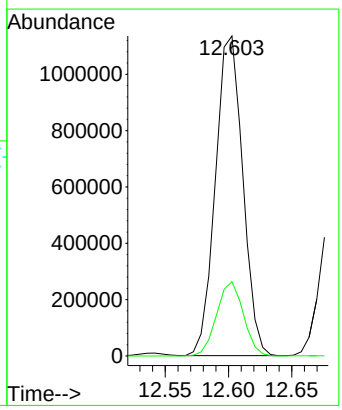


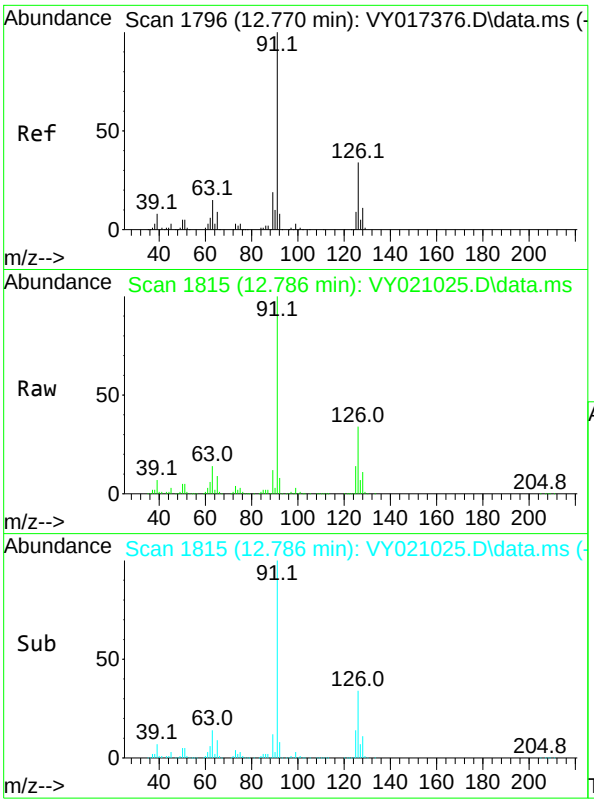


#78
n-propylbenzene
Concen: 147.779 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 1706799

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0



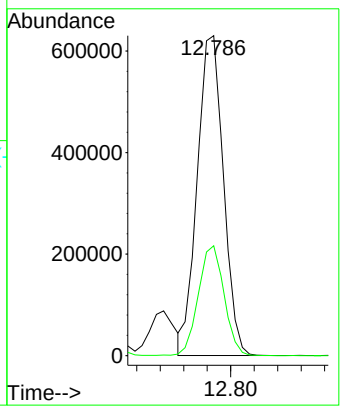


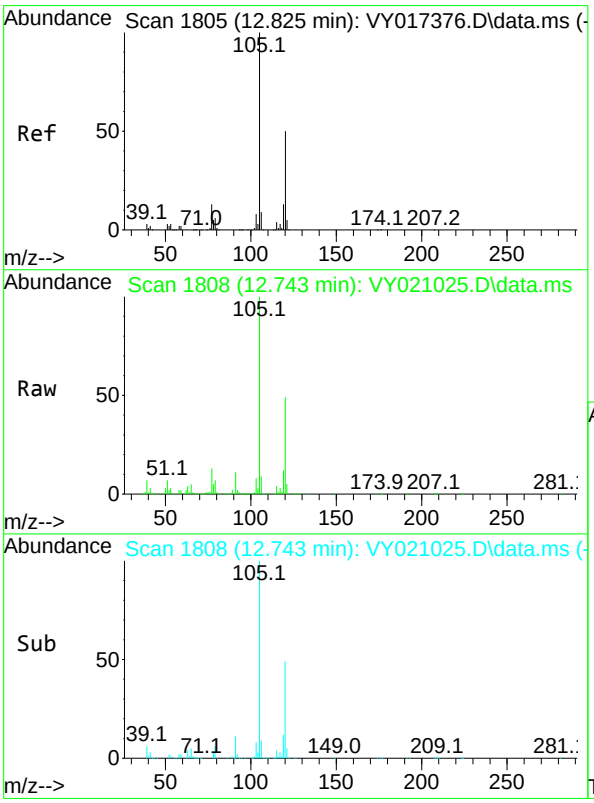
#79
2-Chlorotoluene
Concen: 154.410 ug/l
RT: 12.786 min Scan# 1
Delta R.T. 0.016 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 973177

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	51.0

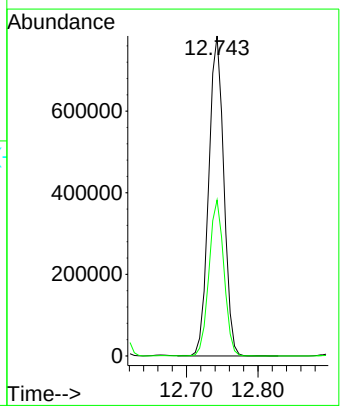


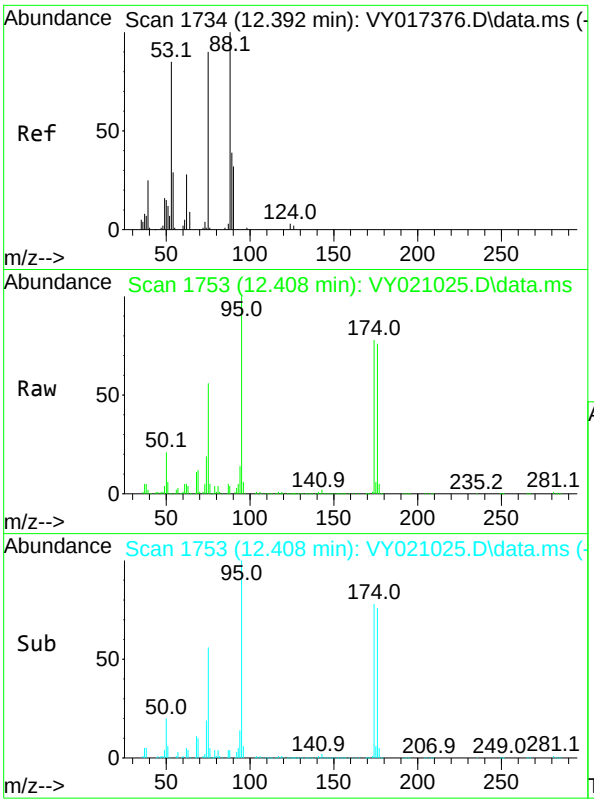


#80
1,3,5-Trimethylbenzene
Concen: 155.522 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1146647

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.8



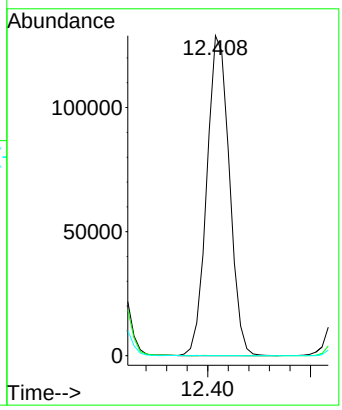


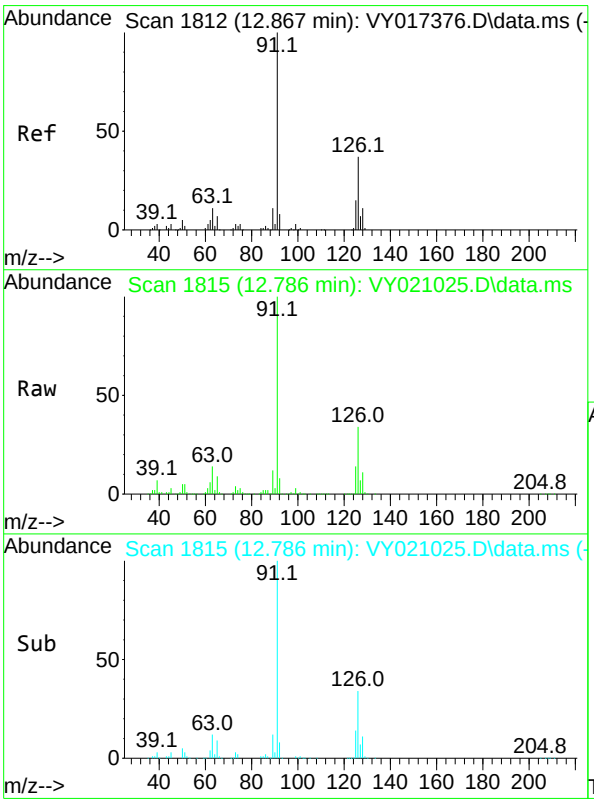
#81
trans-1,4-Dichloro-2-butene
Concen: 386.798 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.016 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 196534

Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.0	111.0#
89	0.0	36.5	54.7#

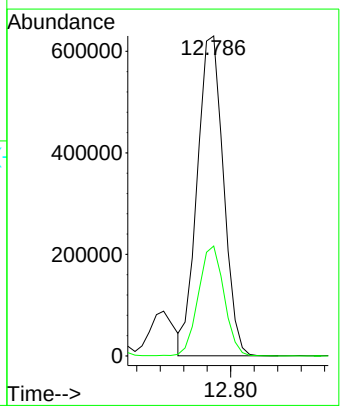


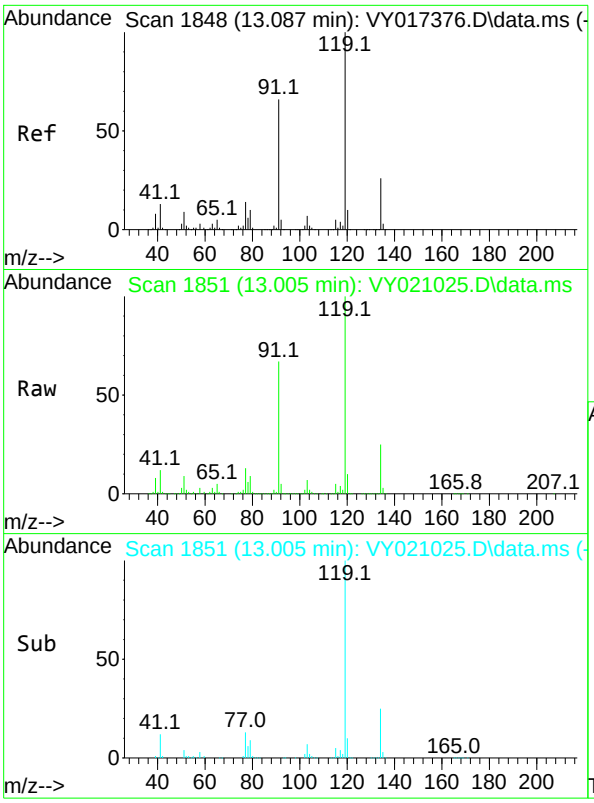


#82
4-Chlorotoluene
Concen: 149.992 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 973177

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.2



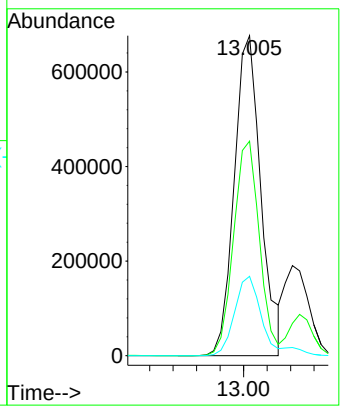


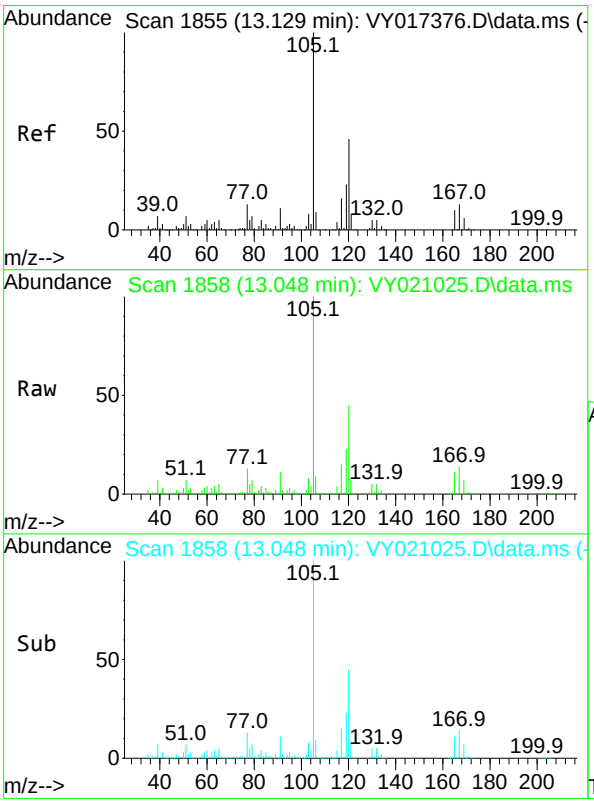
#83
tert-Butylbenzene
Concen: 165.732 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1067144

Ion	Ratio	Lower	Upper
119	100		
91	65.0	31.5	94.5
134	26.0	13.1	39.3

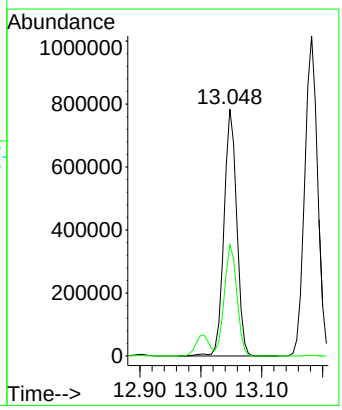


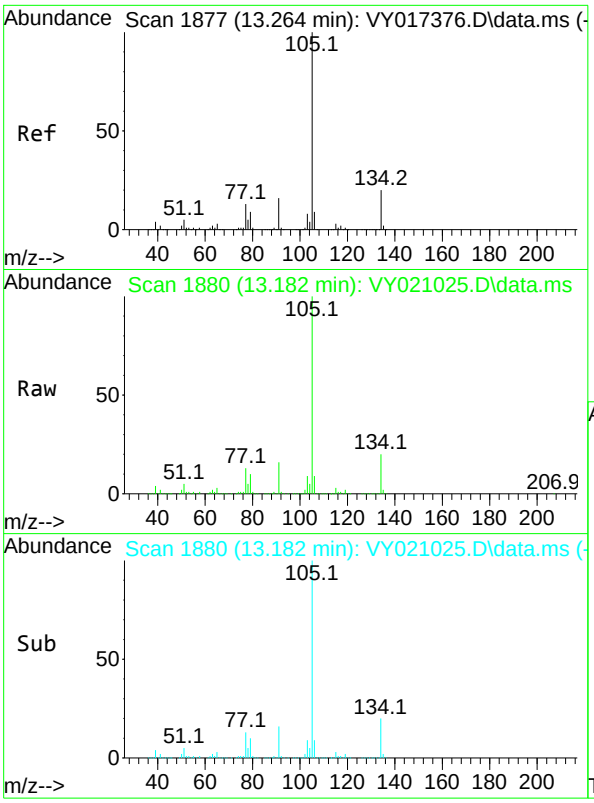


#84
1,2,4-Trimethylbenzene
Concen: 156.424 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1138490

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.3



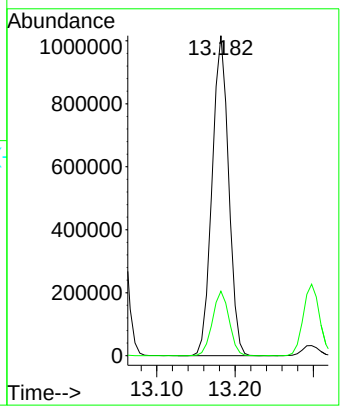


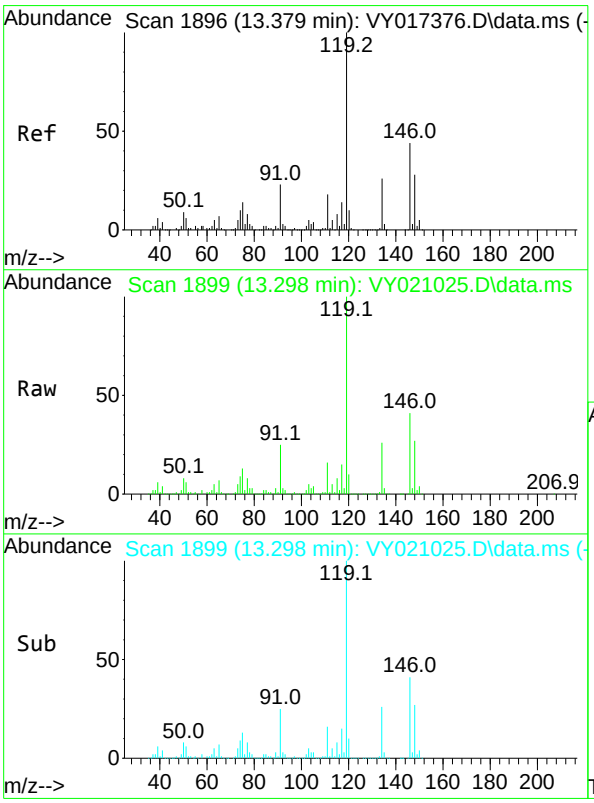
#85
sec-Butylbenzene
Concen: 151.621 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1489668

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	28.9

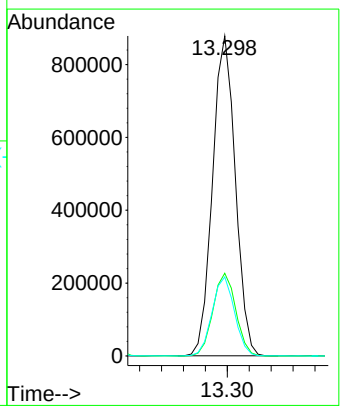


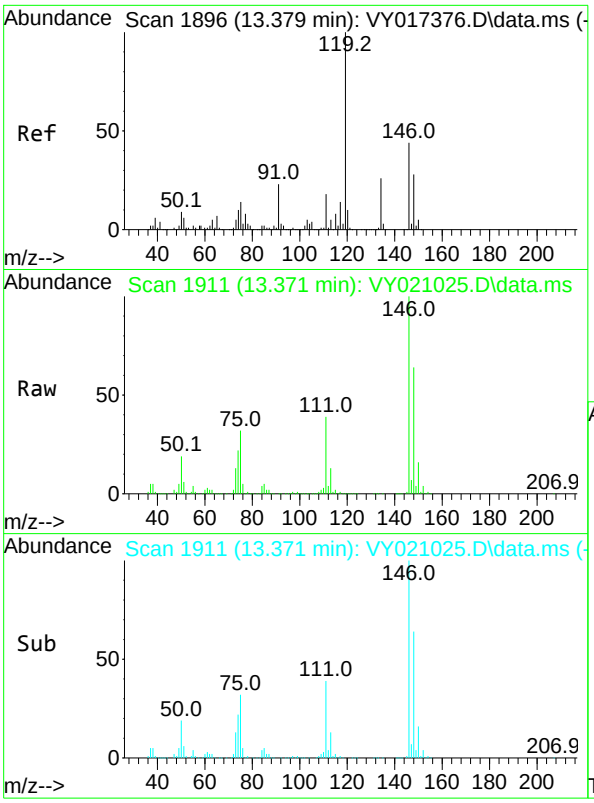


#86
p-Isopropyltoluene
Concen: 159.437 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 1267584

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	24.4	11.7	35.0



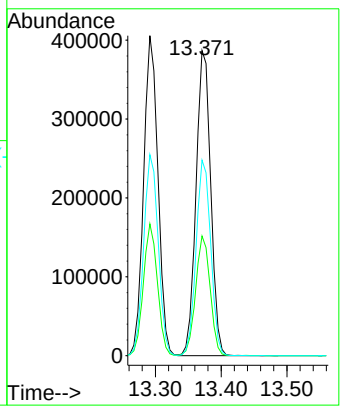


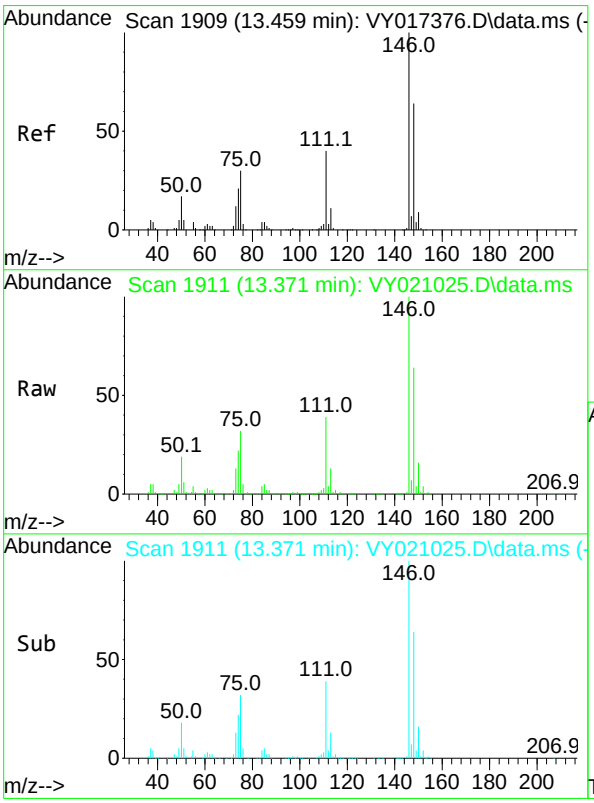
#87
1,3-Dichlorobenzene
Concen: 150.146 ug/l
RT: 13.371 min Scan# 1
Delta R.T. -0.009 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 600370

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.2	60.5
148	63.8	31.9	95.9

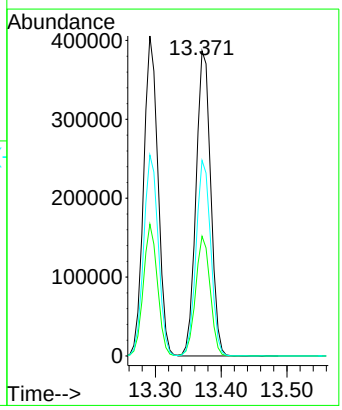


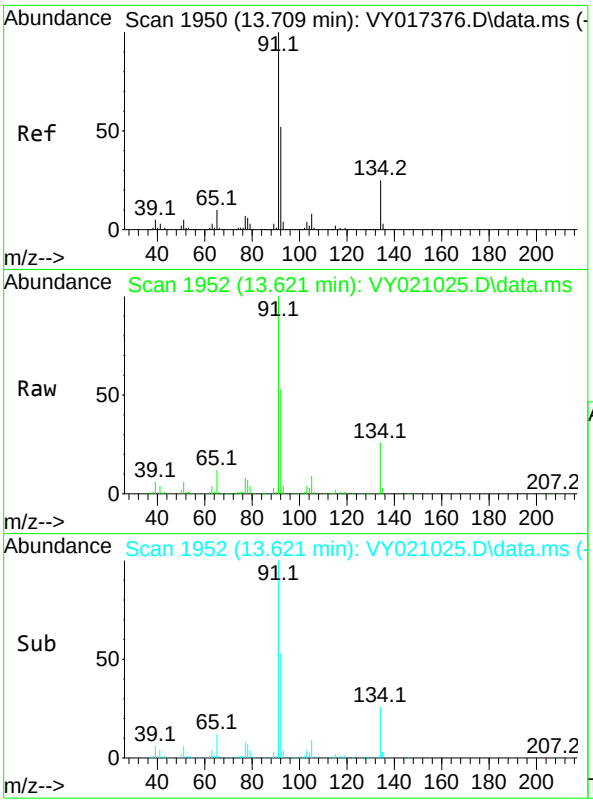


#88
1,4-Dichlorobenzene
Concen: 154.353 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 600370

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.8	31.6	94.7



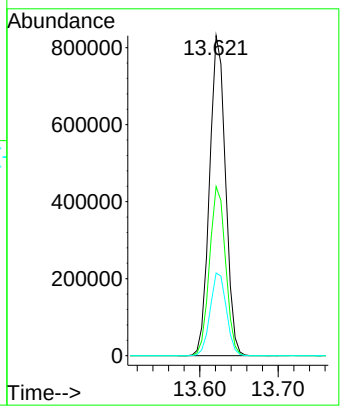


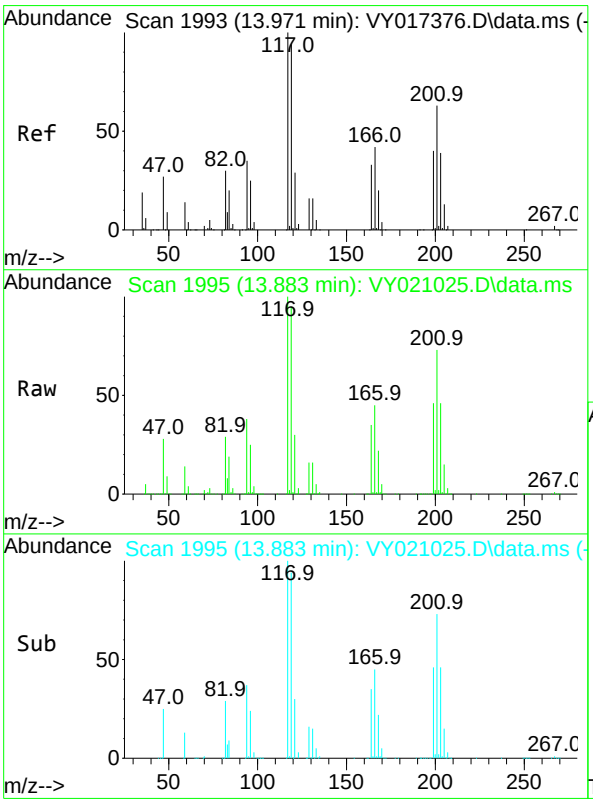
#89
n-Butylbenzene
Concen: 151.860 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1172760

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	26.3	12.3	36.8

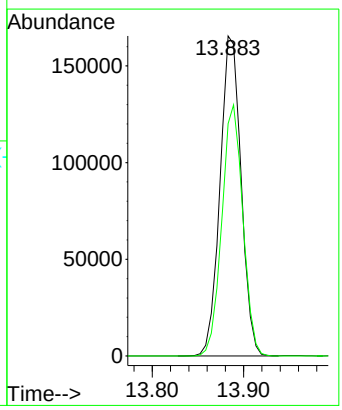


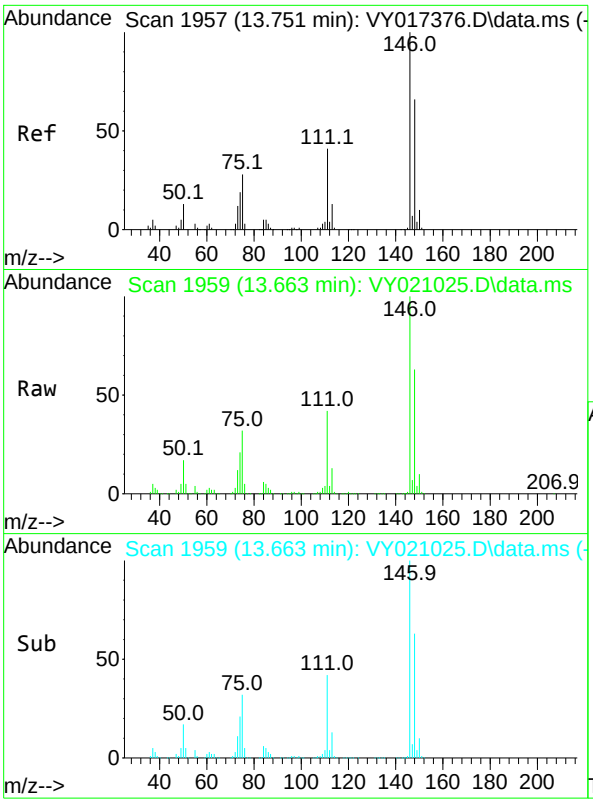


#90
Hexachloroethane
Concen: 160.731 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 264877

Ion	Ratio	Lower	Upper
117	100		
201	78.2	33.4	100.1



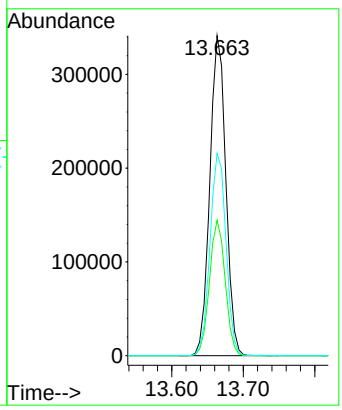


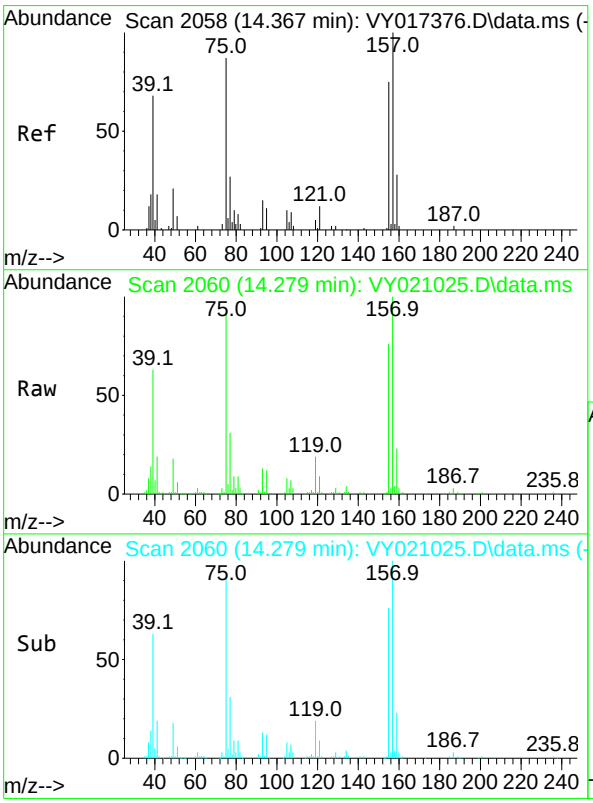
#91
1,2-Dichlorobenzene
Concen: 160.577 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 529143

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	63.4	31.4	94.3

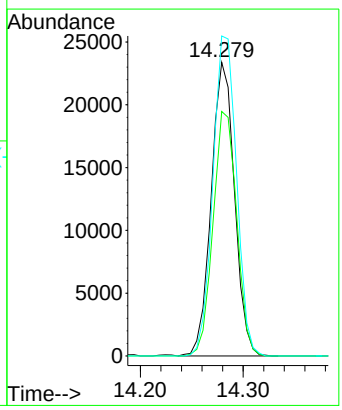


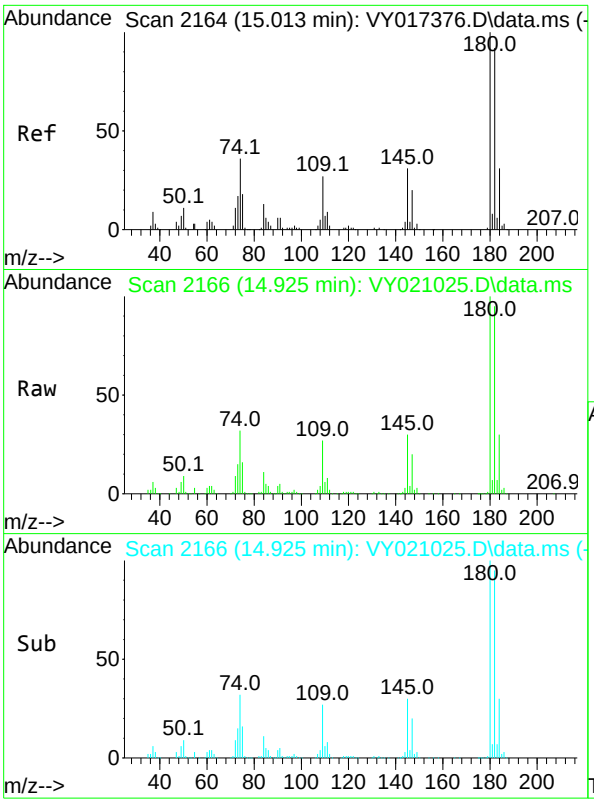


#92
1,2-Dibromo-3-Chloropropane
Concen: 175.945 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 36737

Ion	Ratio	Lower	Upper
75	100		
155	84.1	42.1	126.3
157	110.5	55.8	167.4



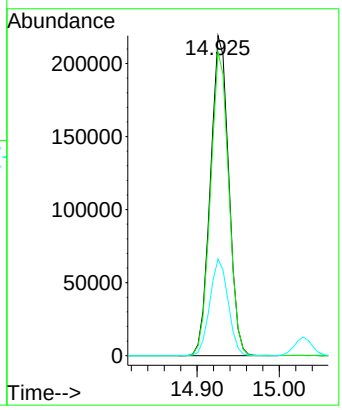


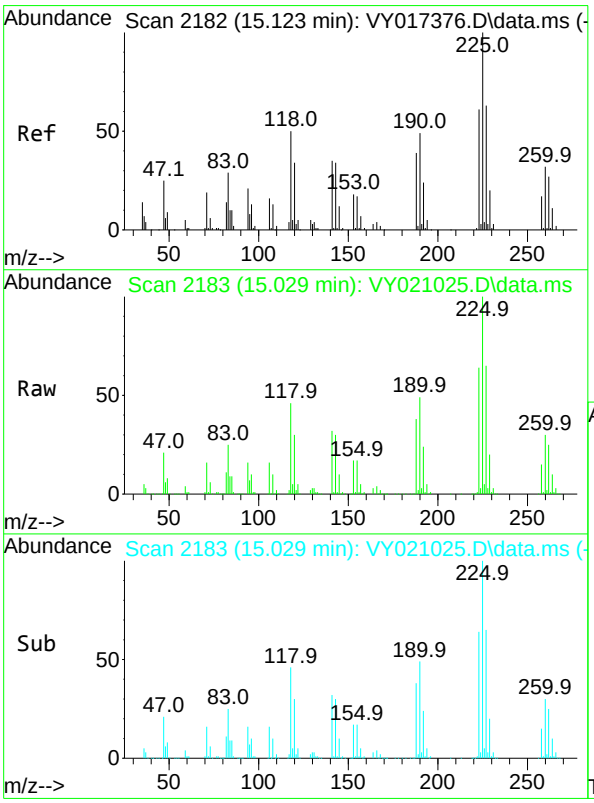
#93
1,2,4-Trichlorobenzene
Concen: 206.167 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 338957

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.7
145	30.1	15.9	47.7

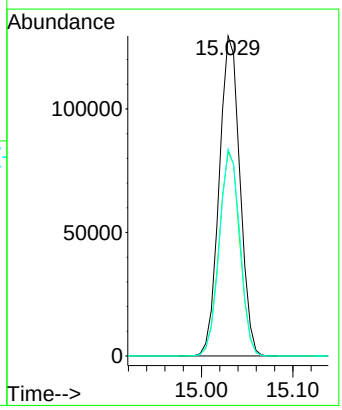


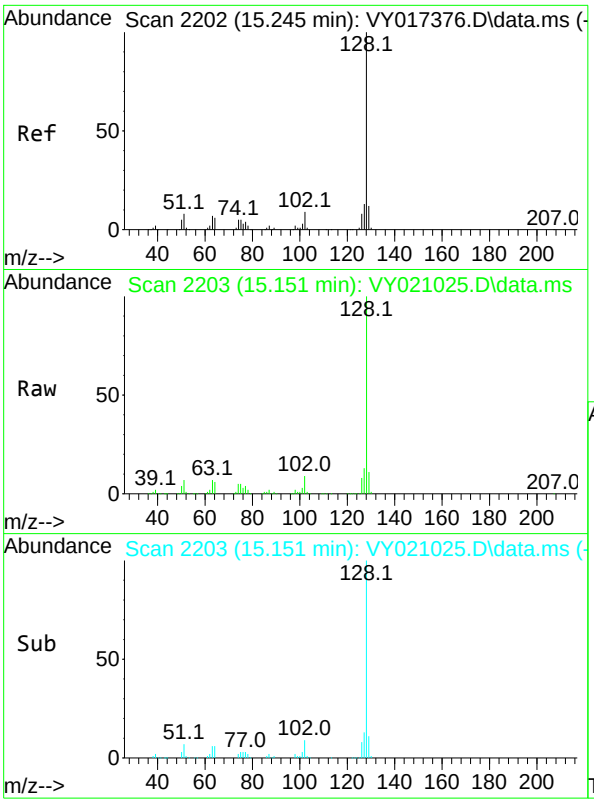


#94
Hexachlorobutadiene
Concen: 201.244 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:225 Resp: 204211

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.4	94.3
227	64.1	32.3	96.8



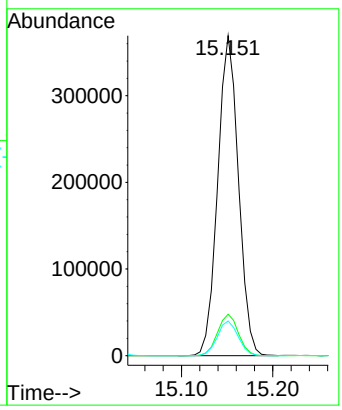


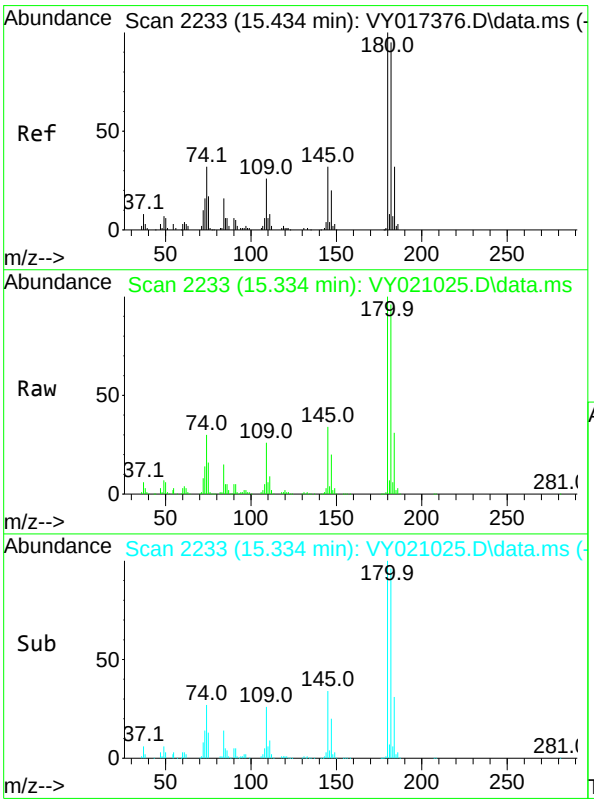
#95
Naphthalene
Concen: 203.420 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 581994

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.6	12.8

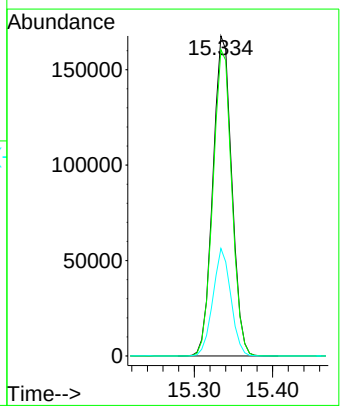




#96
1,2,3-Trichlorobenzene
Concen: 203.655 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 280907

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.3	138.8
145	31.9	16.1	48.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	186133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	280950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	237569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	104134	54.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.200%			
35) Dibromofluoromethane	7.640	113	104051	57.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.580%			
50) Toluene-d8	10.109	98	411045	59.966	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 119.940%			
62) 4-Bromofluorobenzene	12.407	95	131943	58.919	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86748	52.290	ug/l	98
3) Chloromethane	2.074	50	85135	52.006	ug/l	100
4) Vinyl Chloride	2.208	62	84130	51.058	ug/l	99
5) Bromomethane	2.598	94	53592	52.624	ug/l	94
6) Chloroethane	2.738	64	48969	49.925	ug/l	96
7) Trichlorofluoromethane	3.068	101	155690	51.864	ug/l	99
8) Diethyl Ether	3.458	74	43771	46.708	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	97040	51.507	ug/l	95
10) Methyl Iodide	4.013	142	102264	48.858	ug/l	95
11) Tert butyl alcohol	4.860	59	27677	214.161	ug/l	96
12) 1,1-Dichloroethene	3.793	96	91949	51.810	ug/l	92
13) Acrolein	3.653	56	46827	235.305	ug/l	100
14) Allyl chloride	4.391	41	151536	50.663	ug/l	96
15) Acrylonitrile	5.061	53	89881	230.328	ug/l	99
16) Acetone	3.866	43	72566	243.997	ug/l	96
17) Carbon Disulfide	4.110	76	289409	52.004	ug/l	99
18) Methyl Acetate	4.391	43	48057	46.031	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	213244	47.538	ug/l	100
20) Methylene Chloride	4.628	84	91358	49.414	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	98665	50.506	ug/l	94
22) Diisopropyl ether	6.024	45	304603	49.407	ug/l	98
23) Vinyl Acetate	5.964	43	819243	238.370	ug/l	100
24) 1,1-Dichloroethane	5.921	63	179904	49.806	ug/l	97
25) 2-Butanone	6.896	43	114117	233.503	ug/l	96
26) 2,2-Dichloropropane	6.890	77	169757	50.791	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	111947	49.785	ug/l	94
28) Bromochloromethane	7.250	49	78173	54.731	ug/l	99
29) Tetrahydrofuran	7.262	42	75445	228.139	ug/l	96
30) Chloroform	7.427	83	181229	48.846	ug/l	97
31) Cyclohexane	7.707	56	162806	50.051	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	174612	50.620	ug/l	99
36) 1,1-Dichloropropene	7.841	75	140344	52.625	ug/l	99
37) Ethyl Acetate	6.988	43	54994	47.006	ug/l	100
38) Carbon Tetrachloride	7.823	117	161137	51.711	ug/l	100
39) Methylcyclohexane	9.115	83	176554	54.123	ug/l	97
40) Benzene	8.085	78	399547	51.052	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	29193	43.131	ug/l		98
42) 1,2-Dichloroethane	8.164	62	104015	47.910	ug/l		97
43) Isopropyl Acetate	8.201	43	110476	47.523	ug/l		98
44) Trichloroethene	8.872	130	102671	50.777	ug/l		95
45) 1,2-Dichloropropane	9.146	63	92259	49.666	ug/l		99
46) Dibromomethane	9.237	93	48251	46.914	ug/l		95
47) Bromodichloromethane	9.426	83	134607	48.799	ug/l		99
48) Methyl methacrylate	9.225	41	52480	49.560	ug/l		93
49) 1,4-Dioxane	9.231	88	9588	1001.398	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	276605	236.615	ug/l		97
52) Toluene	10.176	92	251287	51.135	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	123718	49.950	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	148244	50.550	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	62357	46.820	ug/l		99
56) Ethyl methacrylate	10.444	69	87450	49.082	ug/l		93
57) 1,3-Dichloropropane	10.719	76	110606	47.980	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	213481	251.852	ug/l		99
59) 2-Hexanone	10.761	43	180455	239.750	ug/l		96
60) Dibromochloromethane	10.914	129	90009	48.123	ug/l		100
61) 1,2-Dibromoethane	11.017	107	59039	47.325	ug/l		100
64) Tetrachloroethene	10.652	164	92493	52.446	ug/l		95
65) Chlorobenzene	11.444	112	268544	50.766	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.523	131	94662	50.356	ug/l		98
67) Ethyl Benzene	11.523	91	492537	52.642	ug/l		99
68) m/p-Xylenes	11.633	106	367445	104.978	ug/l		98
69) o-Xylene	11.956	106	169897	52.062	ug/l		96
70) Styrene	11.975	104	282879	52.009	ug/l		99
71) Bromoform	12.133	173	50400	48.166	ug/l	#	99
73) Isopropylbenzene	12.255	105	467245	53.377	ug/l		99
74) N-amyl acetate	12.072	43	94701	49.483	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	68636	47.145	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	93028	91.514	ug/l	#	100
77) Bromobenzene	12.536	156	101991	50.490	ug/l		93
78) n-propylbenzene	12.596	91	558013	53.513	ug/l		98
79) 2-Chlorotoluene	12.682	91	310097	51.922	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	375018	52.840	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	24332	48.841	ug/l		98
82) 4-Chlorotoluene	12.779	91	313949	51.594	ug/l		100
83) tert-Butylbenzene	13.005	119	348046	53.952	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	370353	53.370	ug/l		99
85) sec-Butylbenzene	13.182	105	494957	53.301	ug/l		98
86) p-Isopropyltoluene	13.298	119	411332	53.325	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	198405	50.868	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	193207	50.309	ug/l		99
89) n-Butylbenzene	13.621	91	384473	54.636	ug/l		99
90) Hexachloroethane	13.883	117	82908	51.521	ug/l		84
91) 1,2-Dichlorobenzene	13.663	146	168238	49.696	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10000	45.965	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	98409	52.224	ug/l		99
94) Hexachlorobutadiene	15.029	225	65883	52.760	ug/l		99
95) Naphthalene	15.151	128	154493	51.245	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	79793	50.882	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

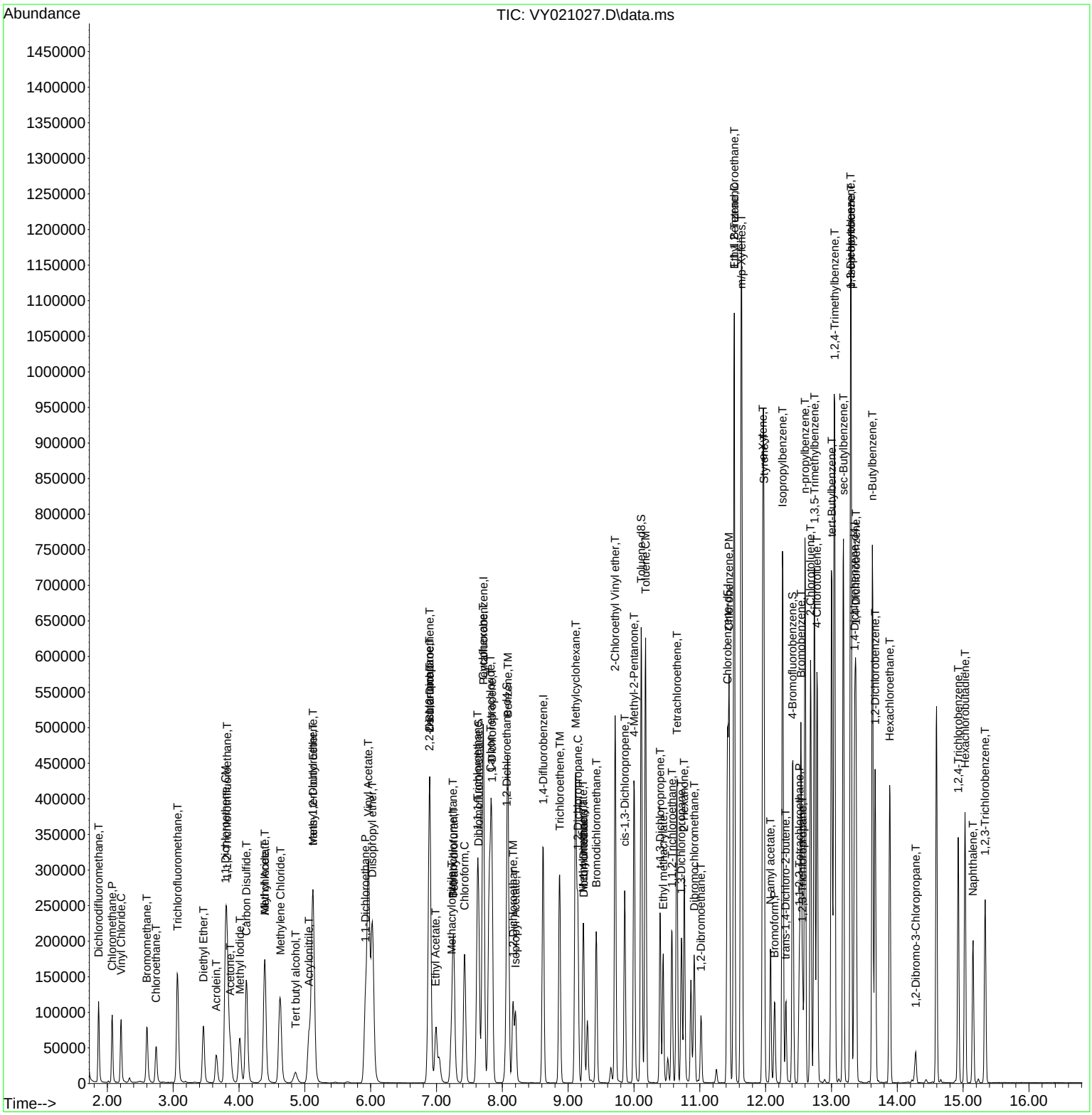
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

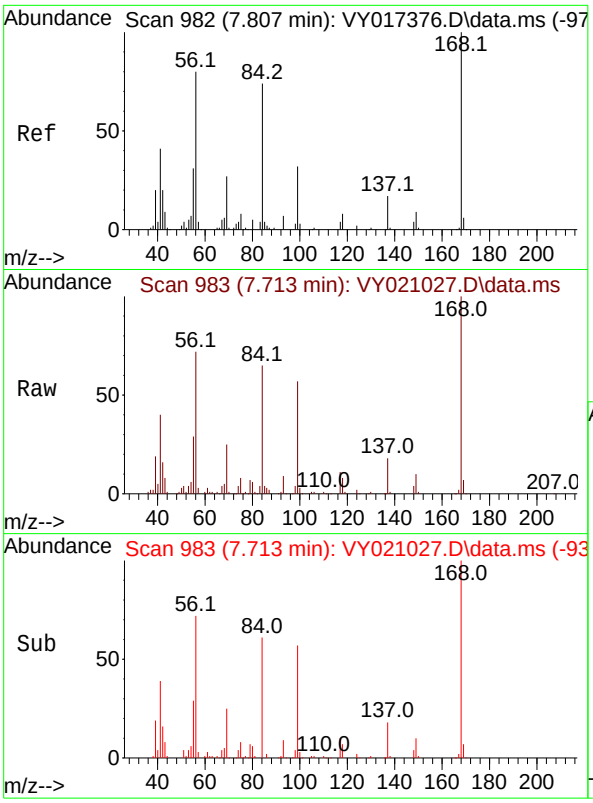
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



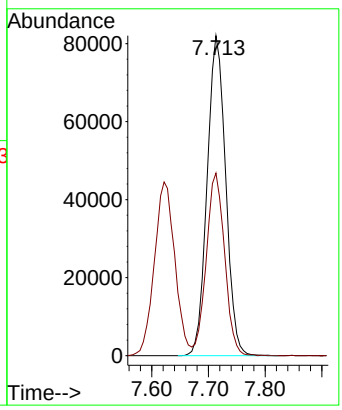


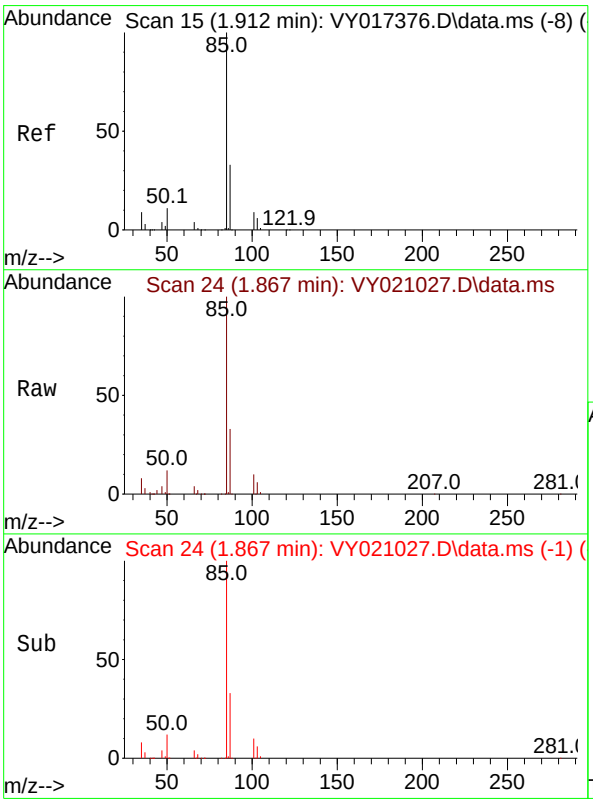
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:168 Resp: 186133

Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4

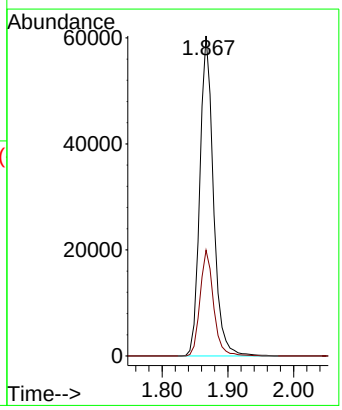


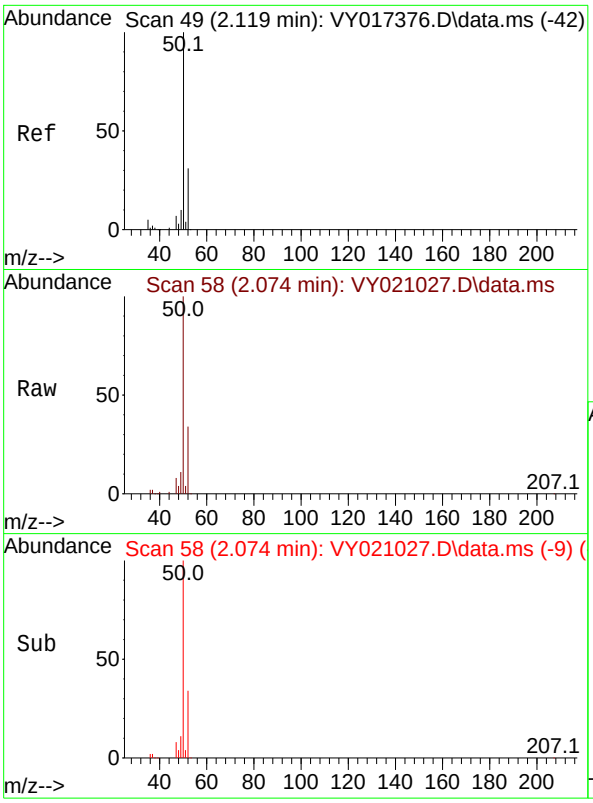


#2
Dichlorodifluoromethane
Concen: 52.290 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 85 Resp: 86748

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.1	51.3



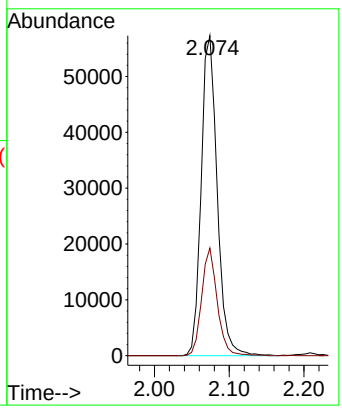


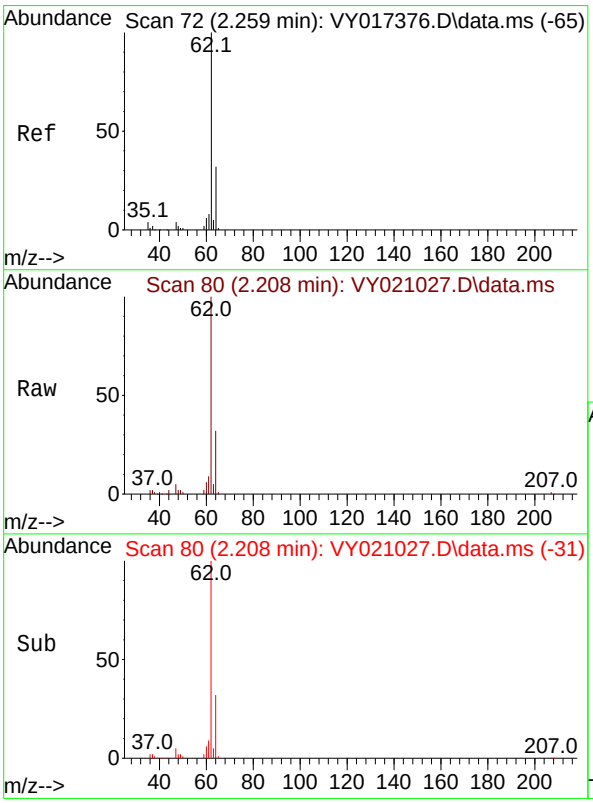
#3
Chloromethane
Concen: 52.006 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 50 Resp: 85135

Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.7	40.1

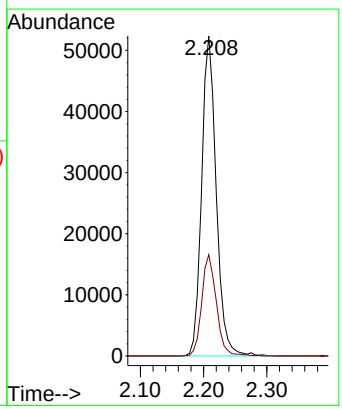


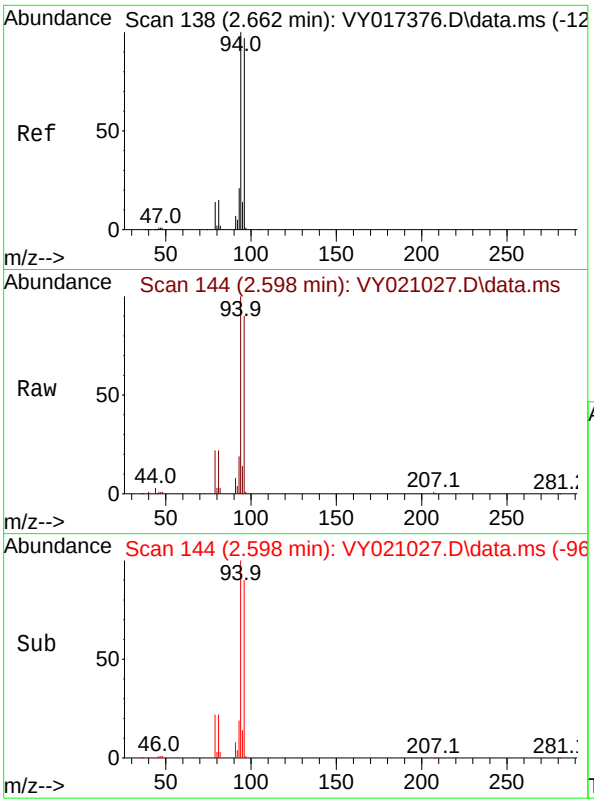


#4
Vinyl Chloride
Concen: 51.058 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 84130

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.7	38.5



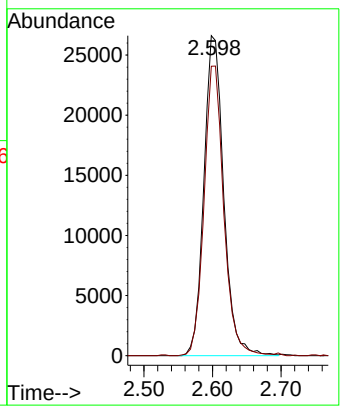


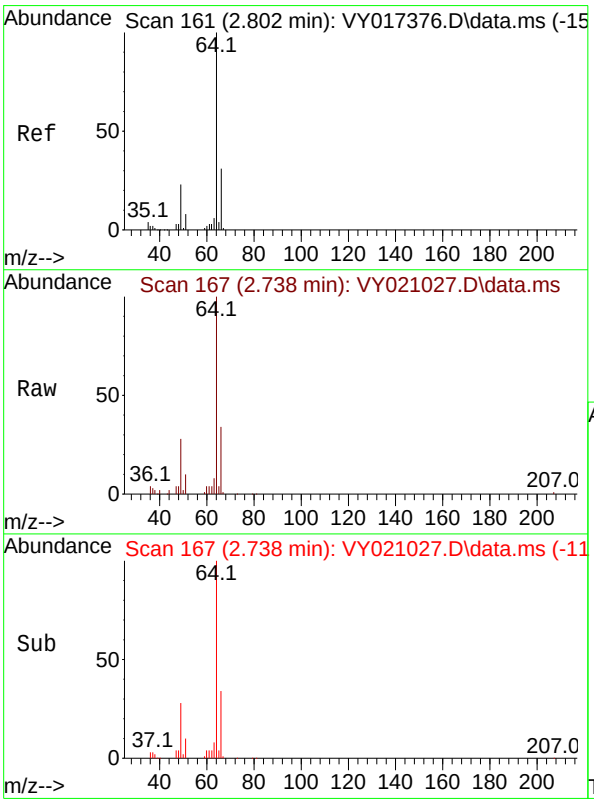
#5
Bromomethane
Concen: 52.624 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 94 Resp: 53592

Ion	Ratio	Lower	Upper
94	100		
96	90.5	77.3	115.9

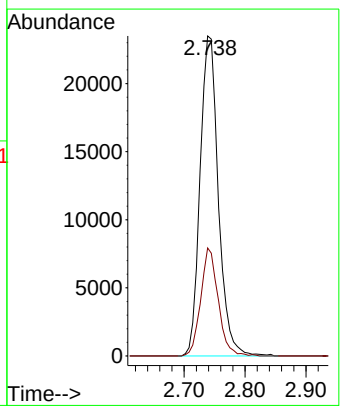


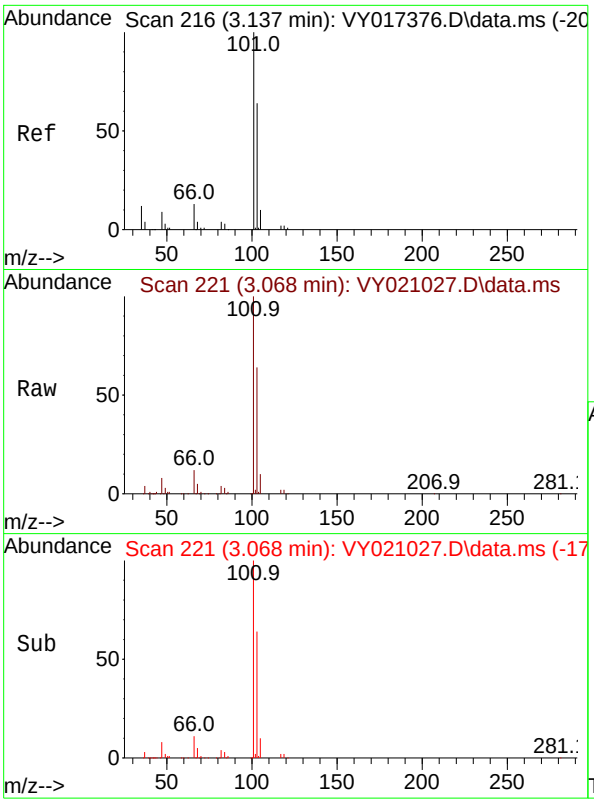


#6
Chloroethane
Concen: 49.925 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 64 Resp: 48969

Ion	Ratio	Lower	Upper
64	100		
66	33.8	25.1	37.7



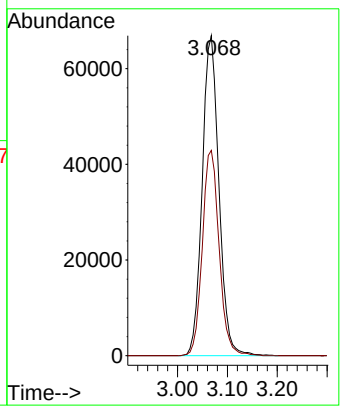


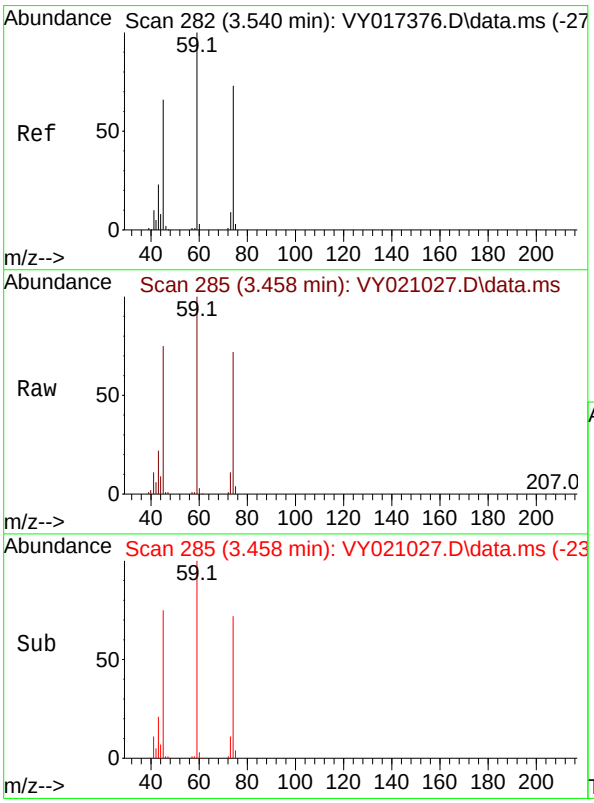
#7
Trichlorofluoromethane
Concen: 51.864 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:101 Resp: 155690

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.9	77.9

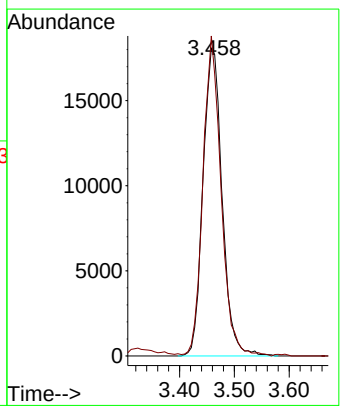


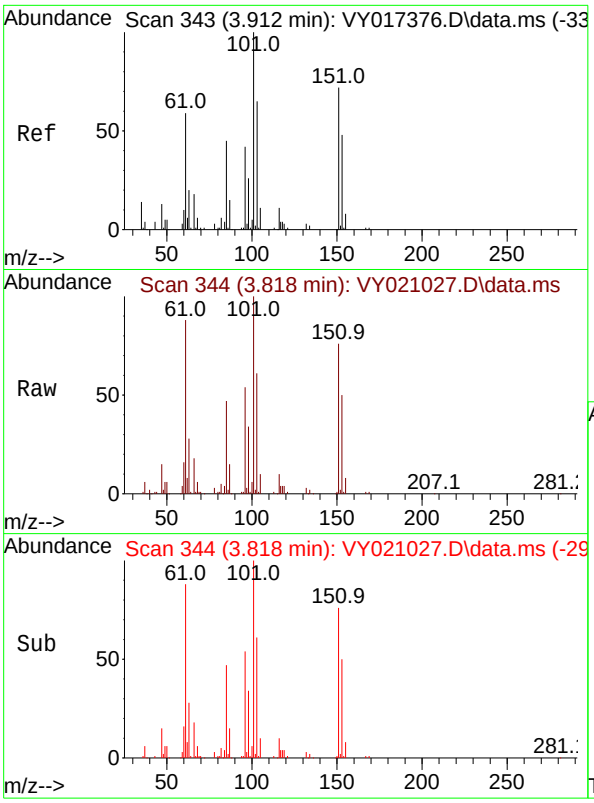


#8
Diethyl Ether
Concen: 46.708 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 74 Resp: 43771

Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.9	143.7



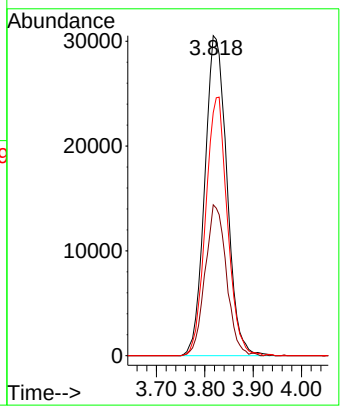


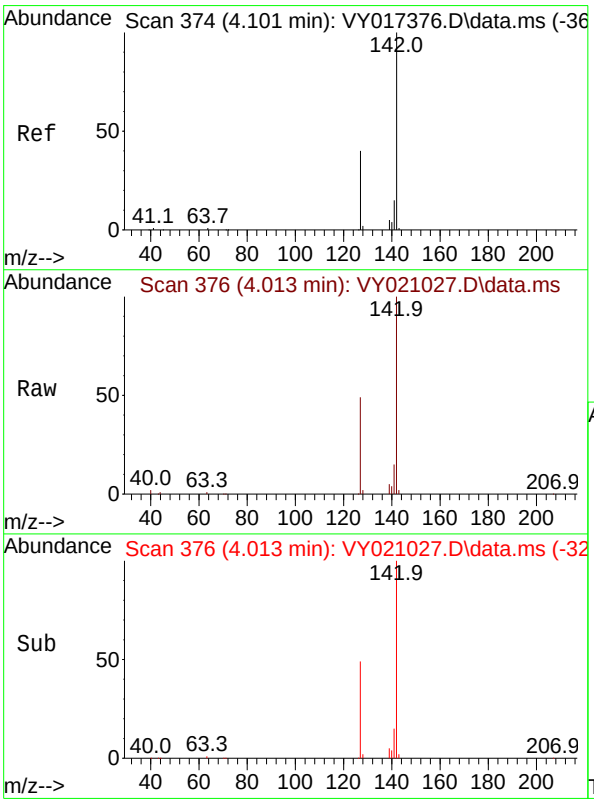
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.507 ug/l
RT: 3.818 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:101 Resp: 97040

Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.8	53.6
151	79.3	58.6	88.0

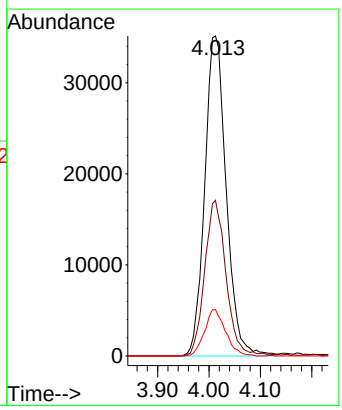


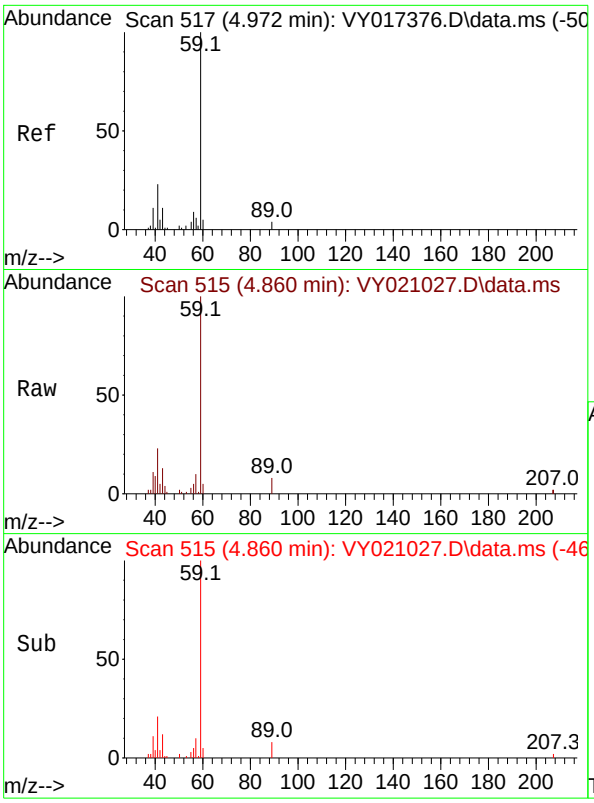


#10
Methyl Iodide
Concen: 48.858 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:142 Resp: 102264

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.1	52.7
141	14.2	11.8	17.6



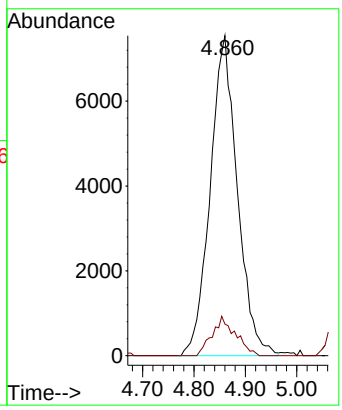


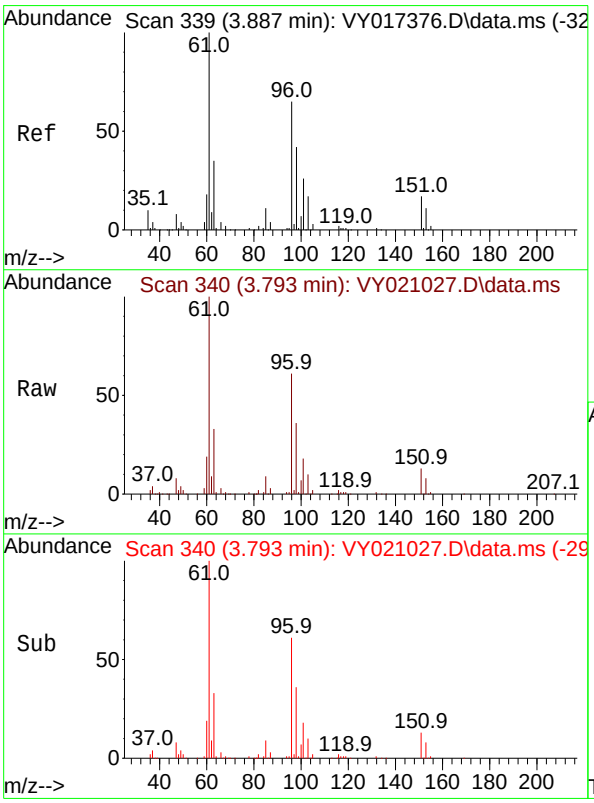
#11
Tert butyl alcohol
Concen: 214.161 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 59 Resp: 27677

Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.4	11.0

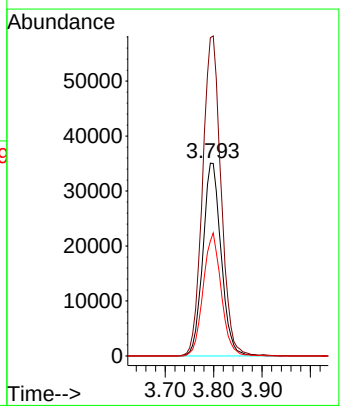


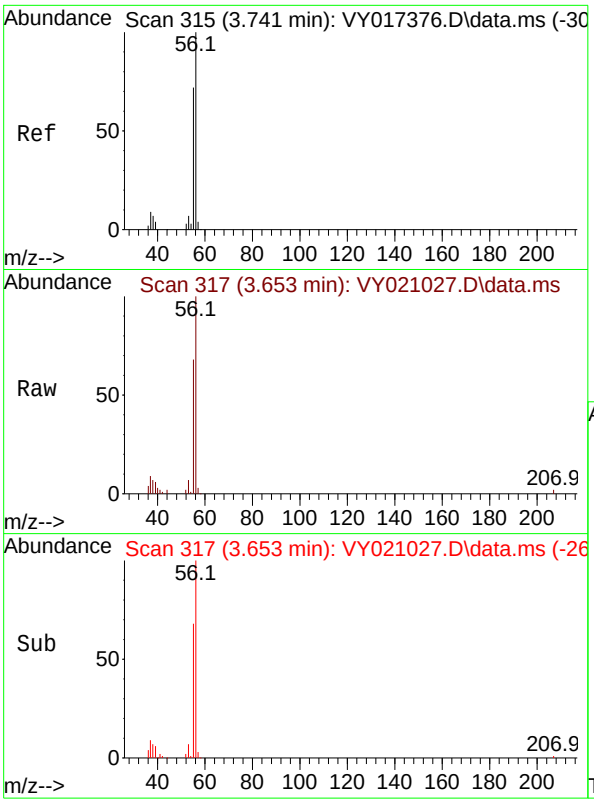


#12
1,1-Dichloroethene
Concen: 51.810 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 91949

Ion	Ratio	Lower	Upper
96	100		
61	165.0	124.2	186.2
98	59.6	52.6	79.0



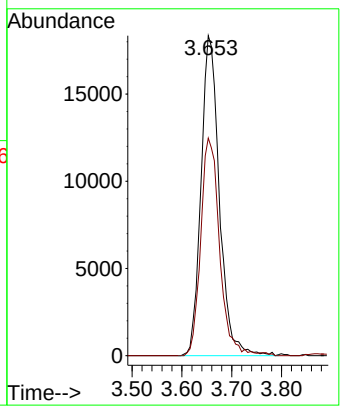


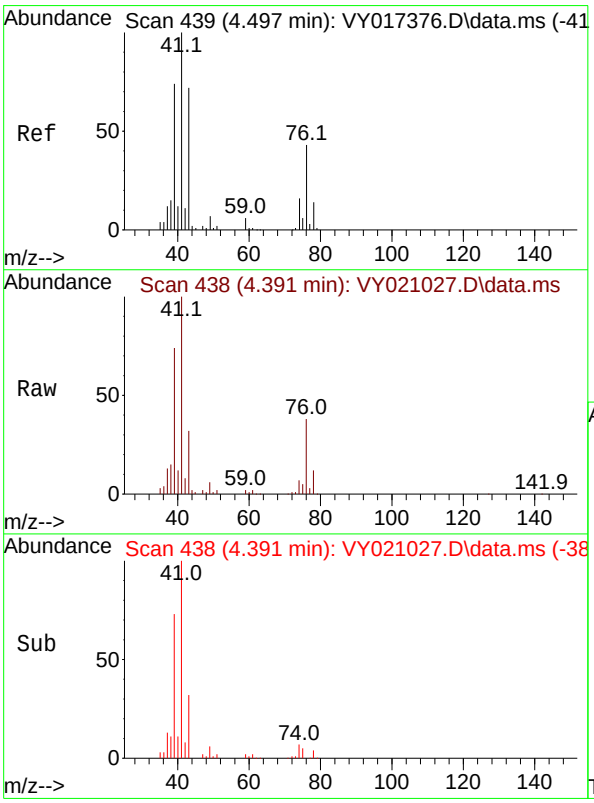
#13
Acrolein
Concen: 235.305 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 56 Resp: 46827

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.4	83.0

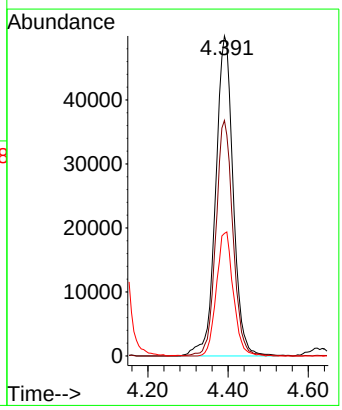


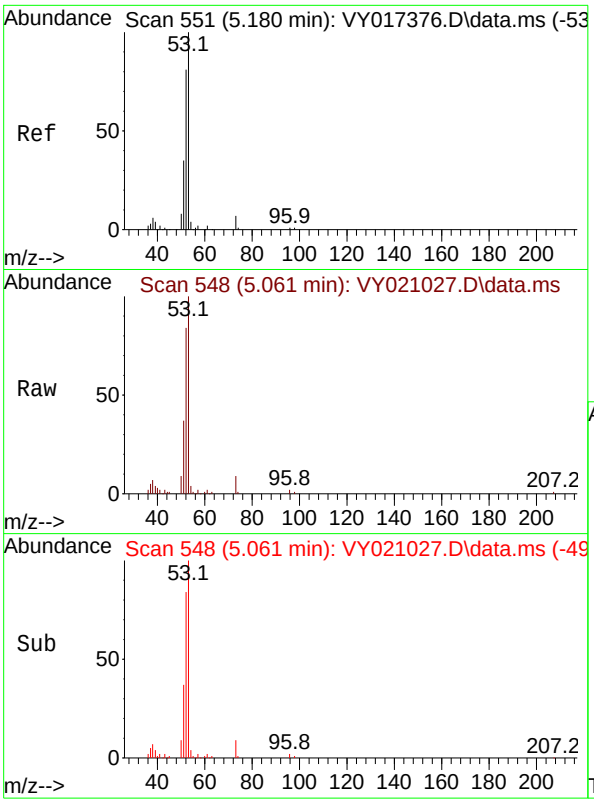


#14
Allyl chloride
Concen: 50.663 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 151536

Ion	Ratio	Lower	Upper
41	100		
39	71.4	54.7	82.1
76	37.3	31.8	47.6



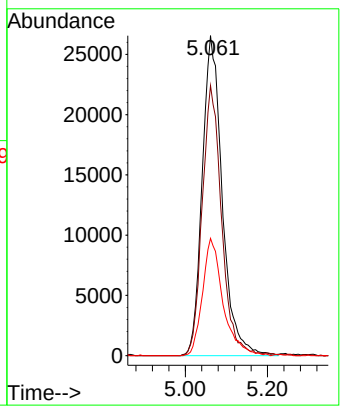


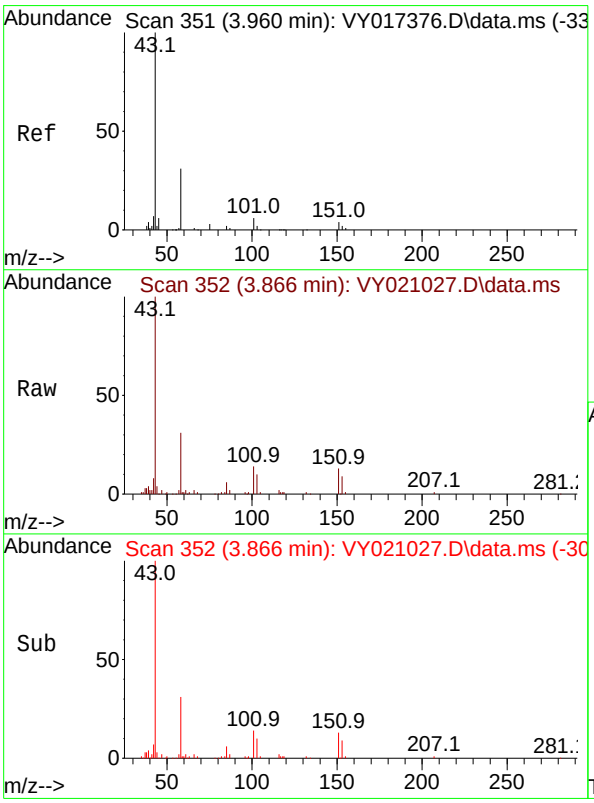
#15
Acrylonitrile
Concen: 230.328 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 53 Resp: 89881

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	37.6	29.0	43.4

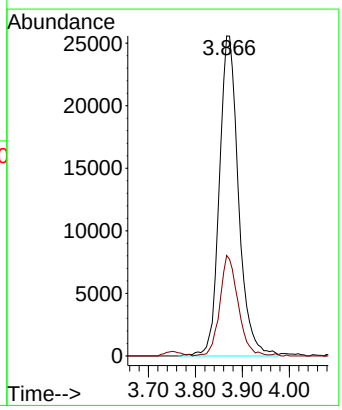


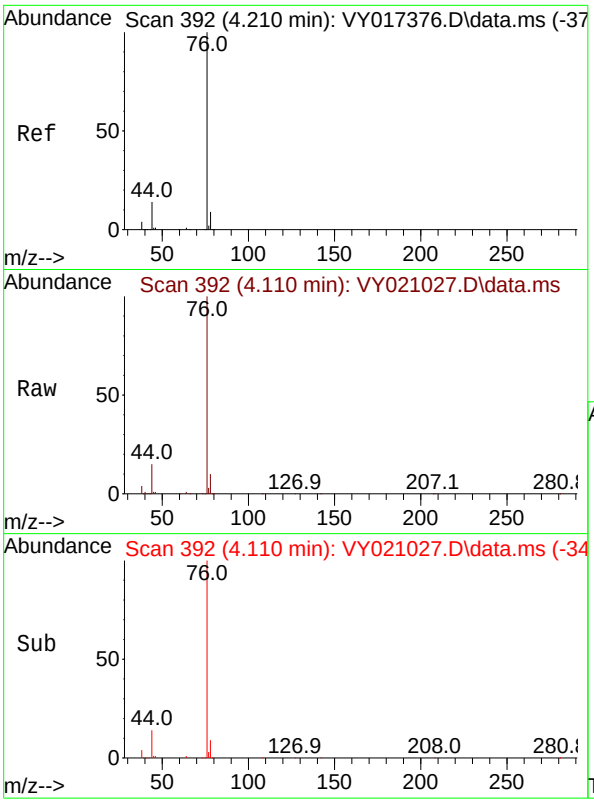


#16
Acetone
Concen: 243.997 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 72566

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.6	39.8



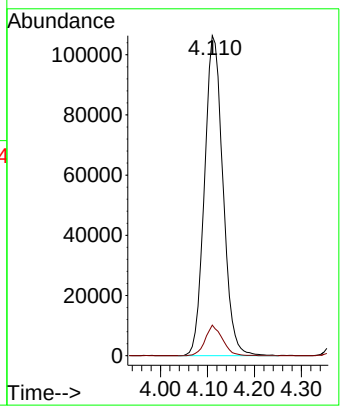


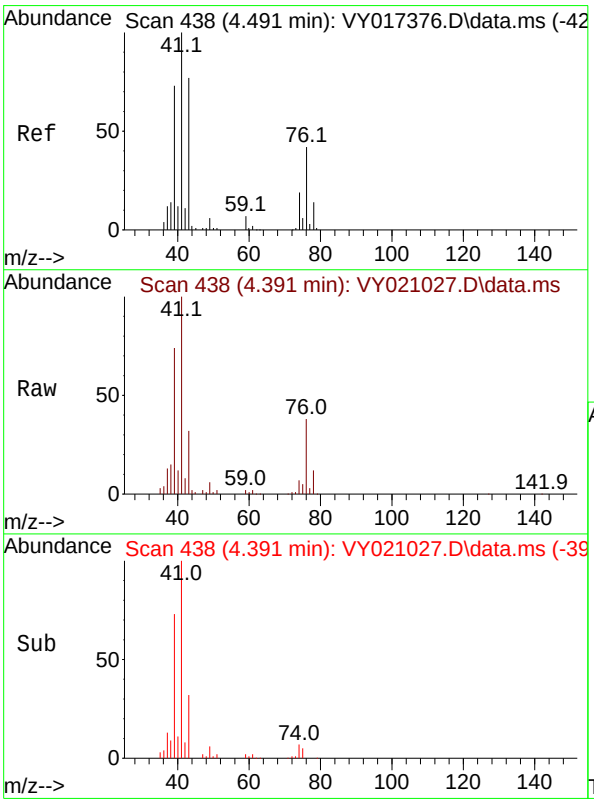
#17
Carbon Disulfide
Concen: 52.004 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 76 Resp: 289409

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

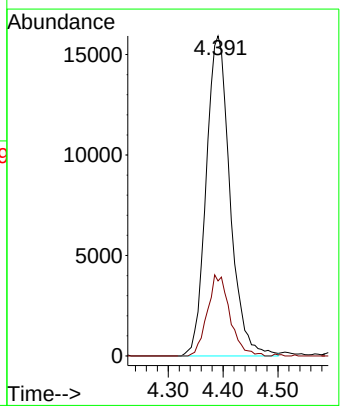


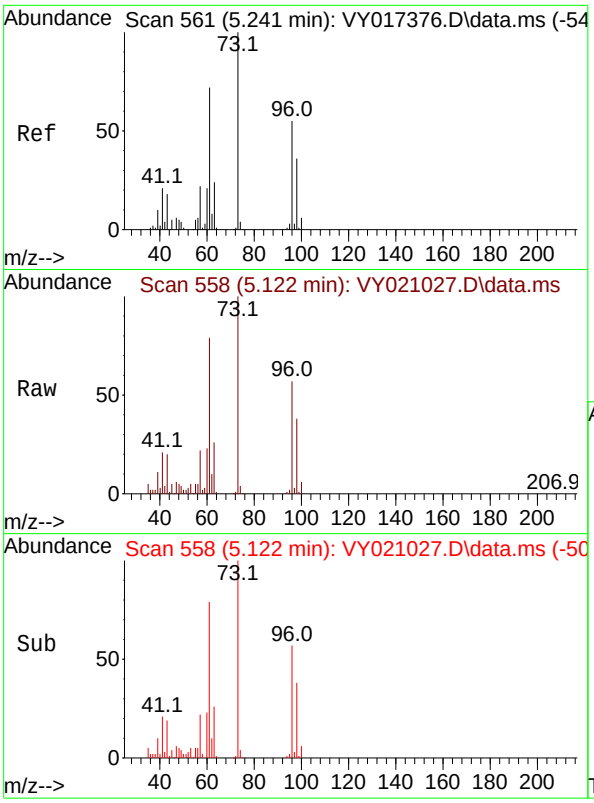


#18
Methyl Acetate
Concen: 46.031 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 48057

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.8	29.6



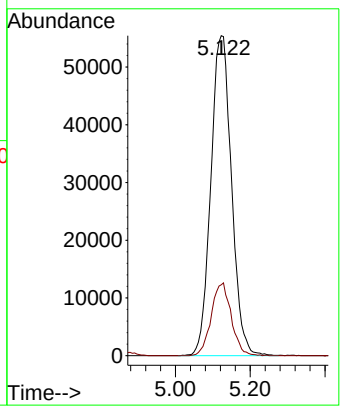


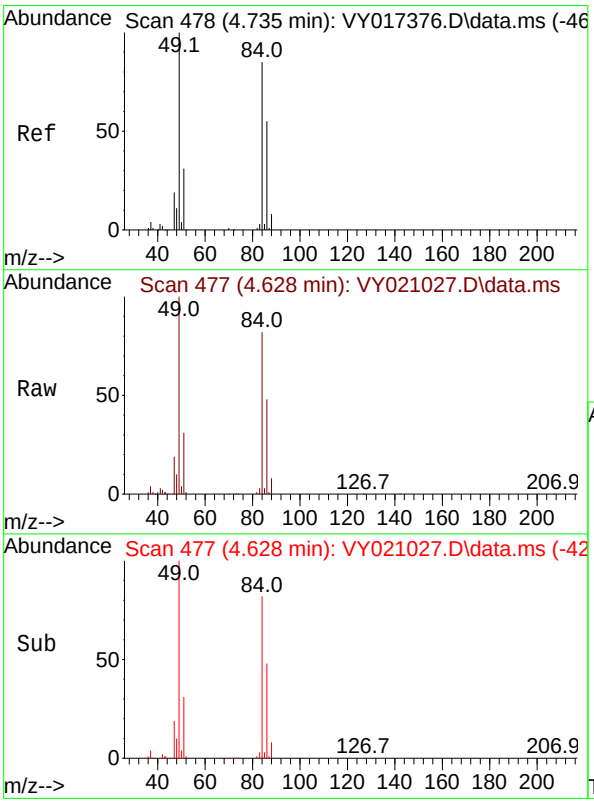
#19
Methyl tert-butyl Ether
Concen: 47.538 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 73 Resp: 213244

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

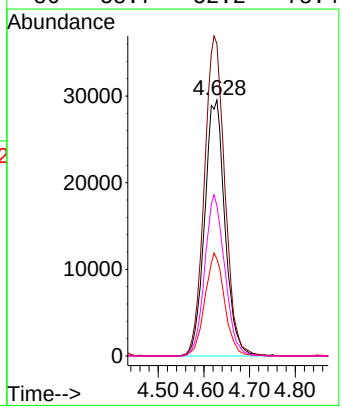


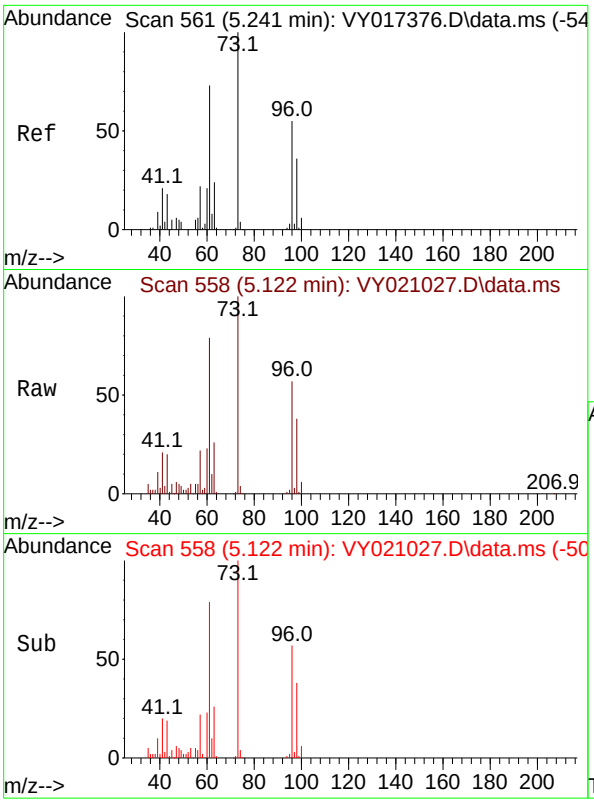


#20
Methylene Chloride
Concen: 49.414 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 84 Resp: 91358

Ion	Ratio	Lower	Upper
84	100		
49	122.0	95.2	142.8
51	37.9	29.9	44.9
86	58.7	52.2	78.4



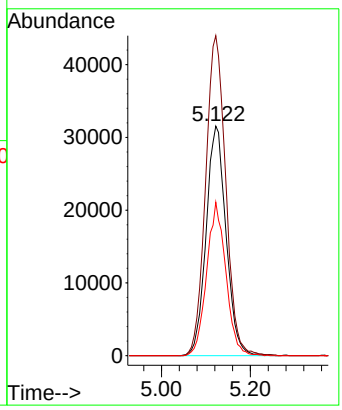


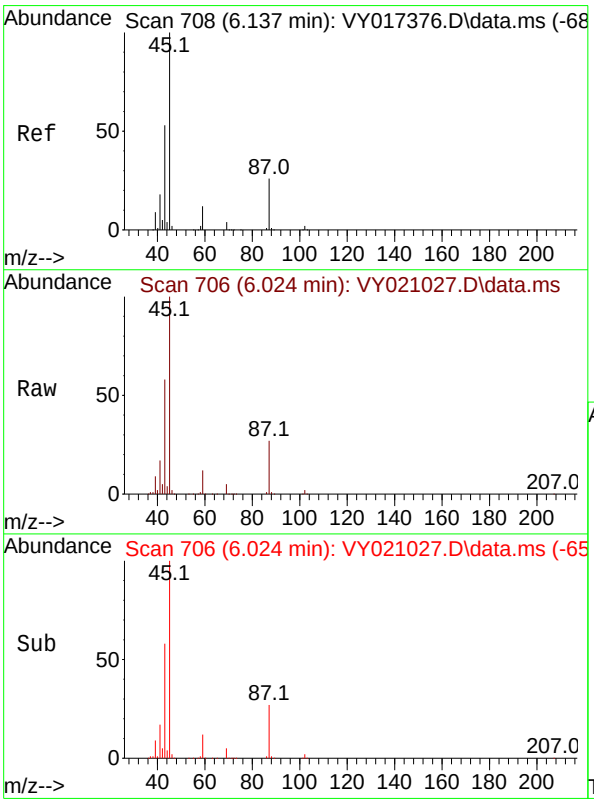
#21
trans-1,2-Dichloroethene
Concen: 50.506 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 96 Resp: 98665

Ion	Ratio	Lower	Upper
96	100		
61	139.4	104.6	156.8
98	66.8	50.9	76.3

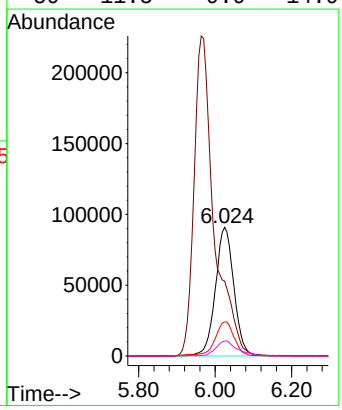


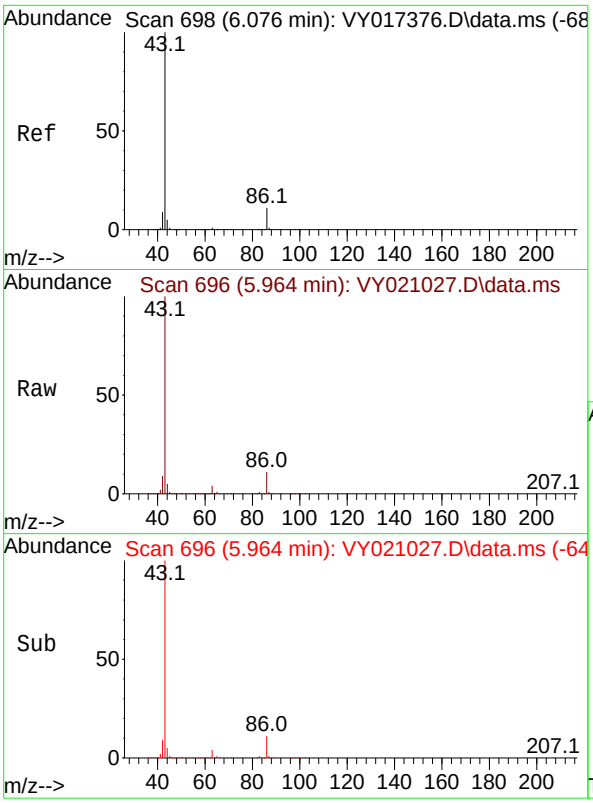


#22
Diisopropyl ether
Concen: 49.407 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 45 Resp: 304603

Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.8	70.2
87	26.5	22.2	33.2
59	11.5	9.9	14.9



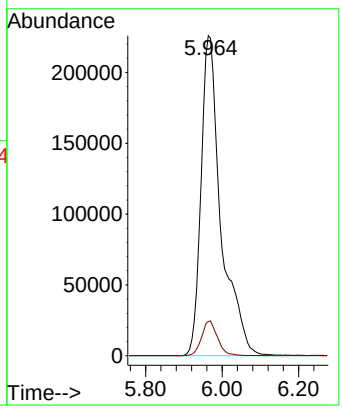


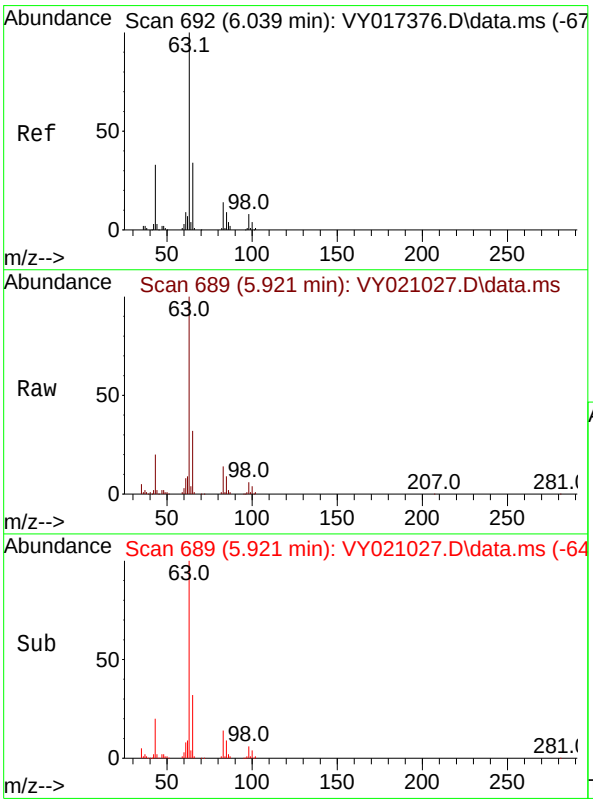
#23
Vinyl Acetate
Concen: 238.370 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 43 Resp: 819243

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	13.0

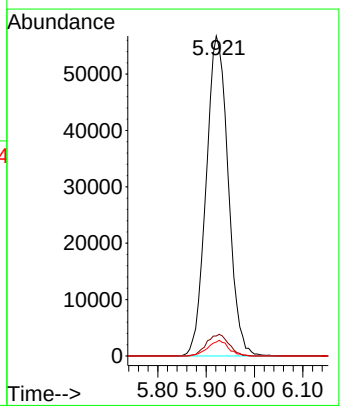


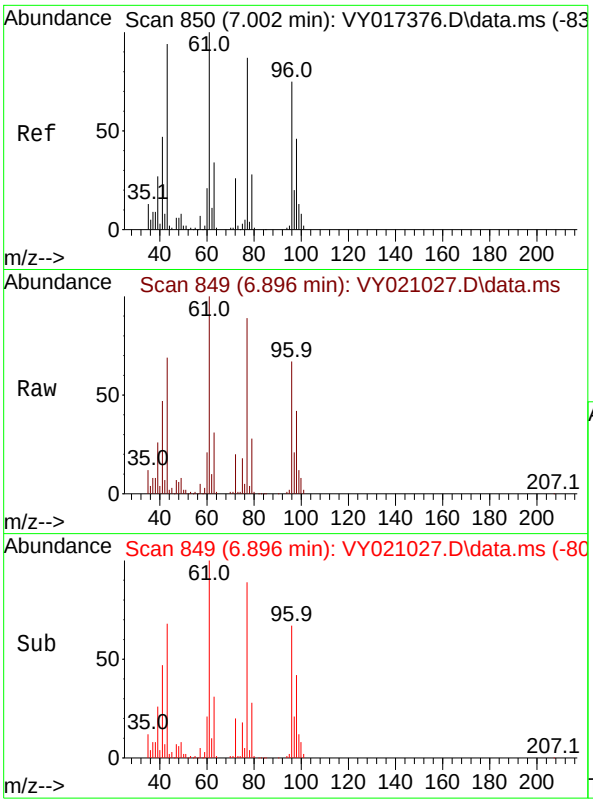


#24
1,1-Dichloroethane
Concen: 49.806 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 179904

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.4
100	4.4	2.1	6.2



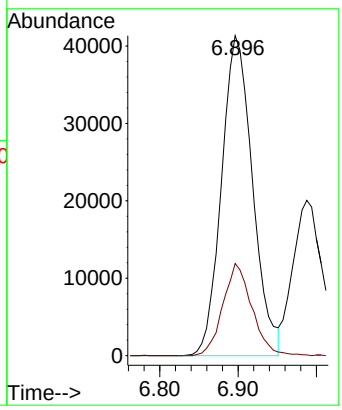


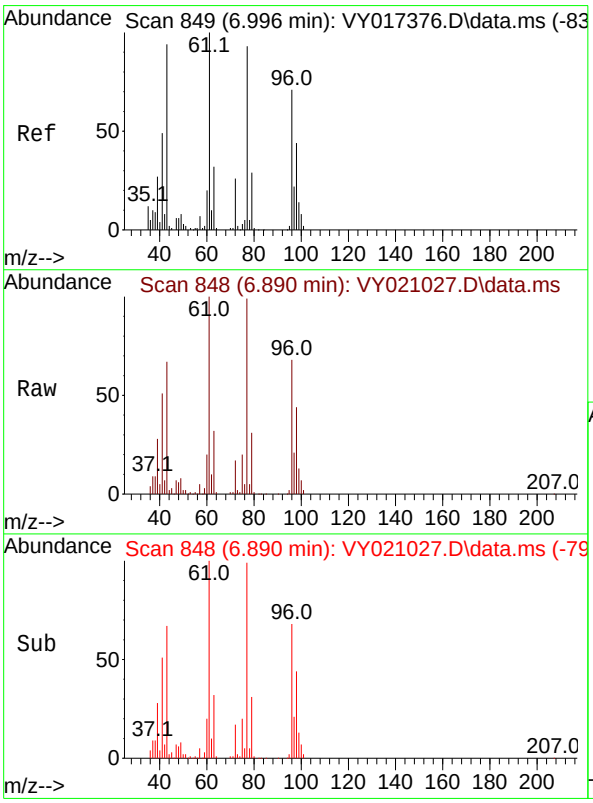
#25
2-Butanone
Concen: 233.503 ug/l
RT: 6.896 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 43 Resp: 114117

Ion	Ratio	Lower	Upper
43	100		
72	28.8	21.4	32.2

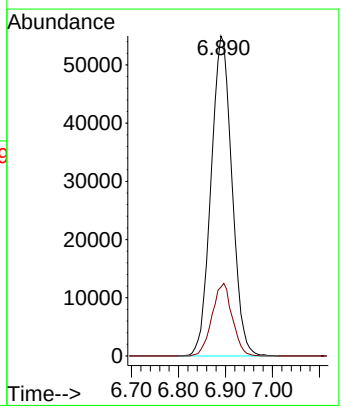


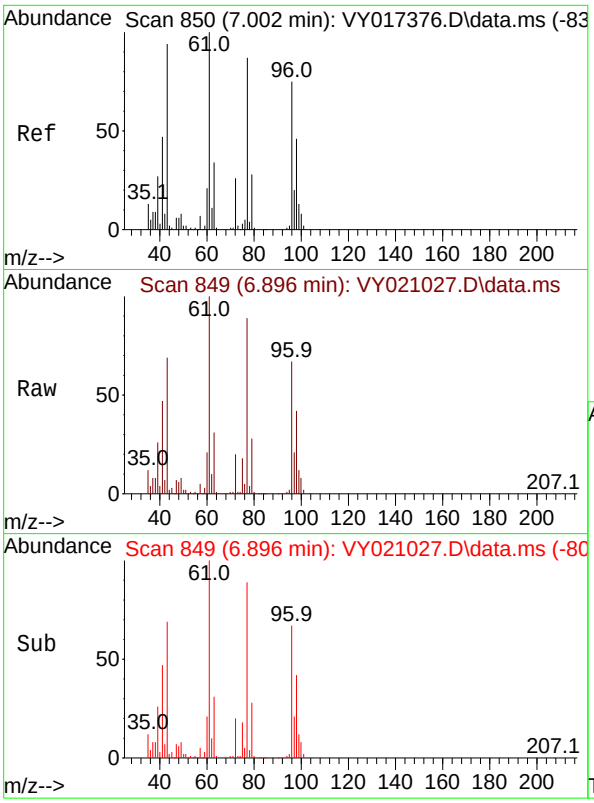


#26
2,2-Dichloropropane
Concen: 50.791 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 77 Resp: 169757

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.7	35.0



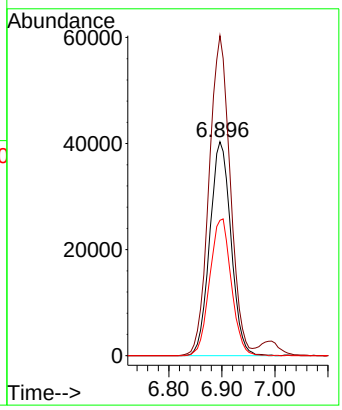


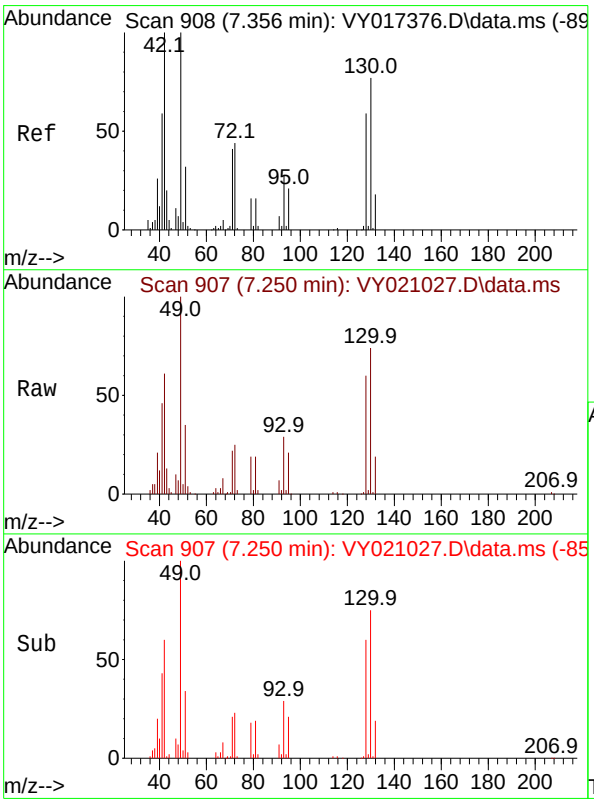
#27
cis-1,2-Dichloroethene
Concen: 49.785 ug/l
RT: 6.896 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 96 Resp: 111947

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	278.8
98	65.1	0.0	127.0

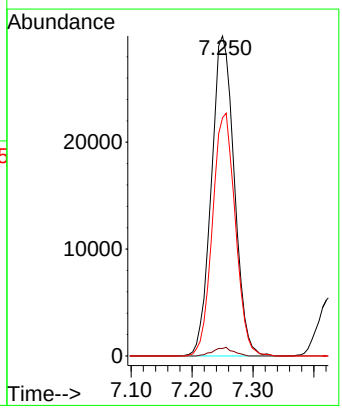


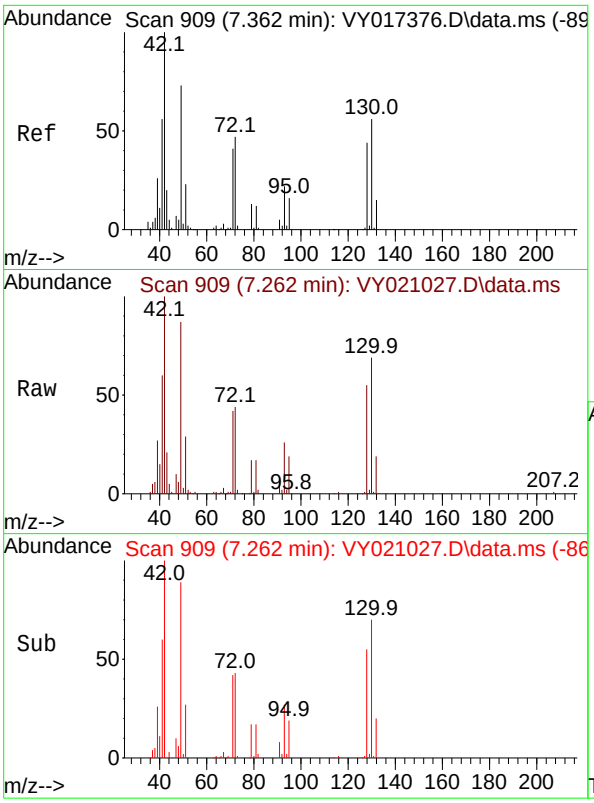


#28
Bromochloromethane
Concen: 54.731 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 49 Resp: 78173

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	75.7	59.8	89.8



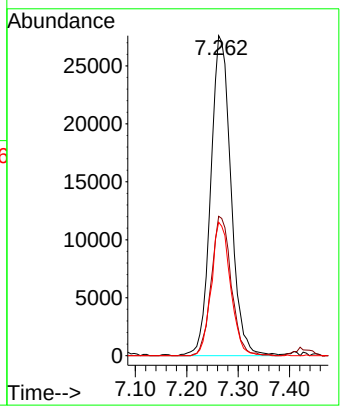


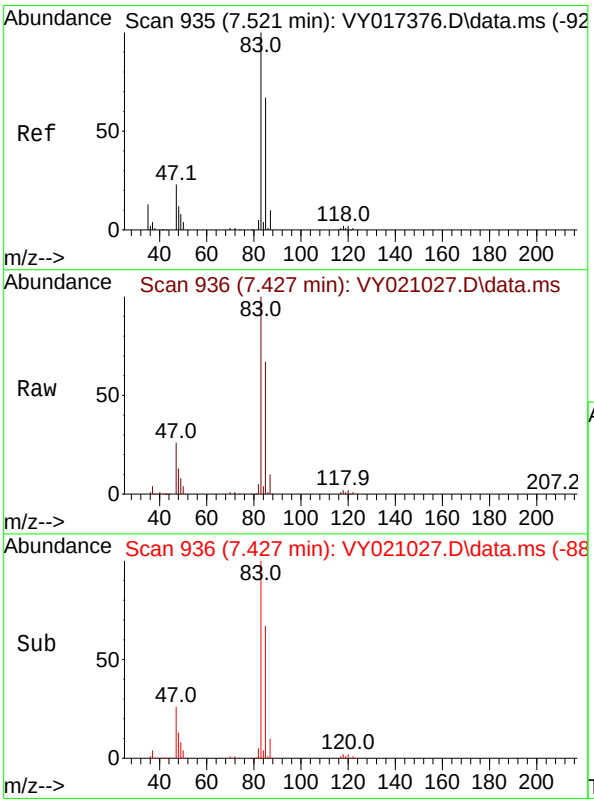
#29
Tetrahydrofuran
Concen: 228.139 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 42 Resp: 75445

Ion	Ratio	Lower	Upper
42	100		
72	42.8	36.6	54.8
71	39.7	33.8	50.6

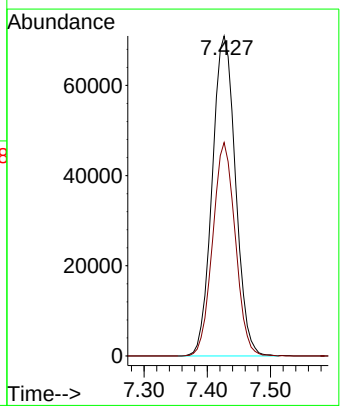


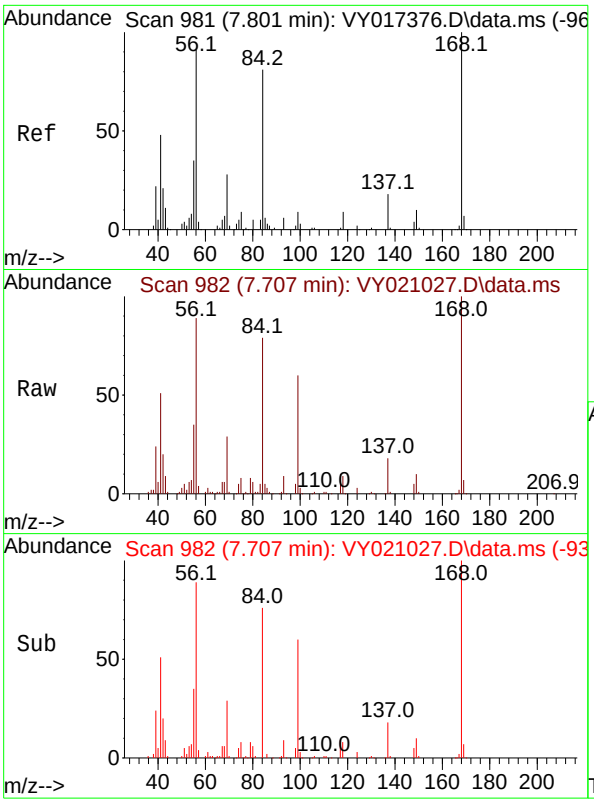


#30
Chloroform
Concen: 48.846 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 181229

Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.2	76.8



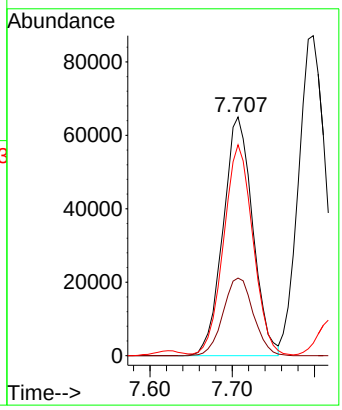


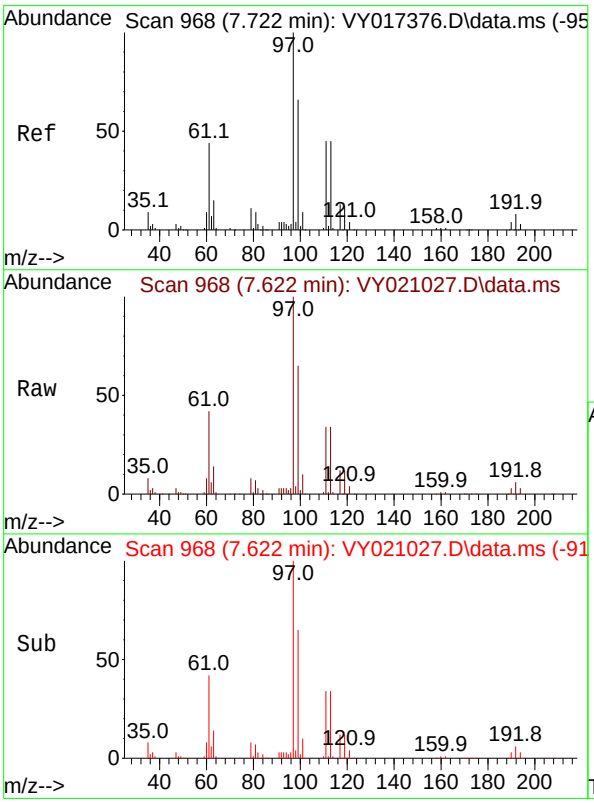
#31
Cyclohexane
Concen: 50.051 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 56 Resp: 162806

Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.0	40.6
84	86.9	71.8	107.6

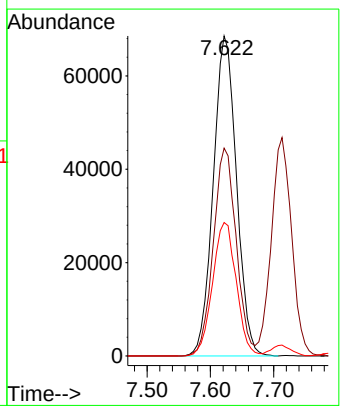


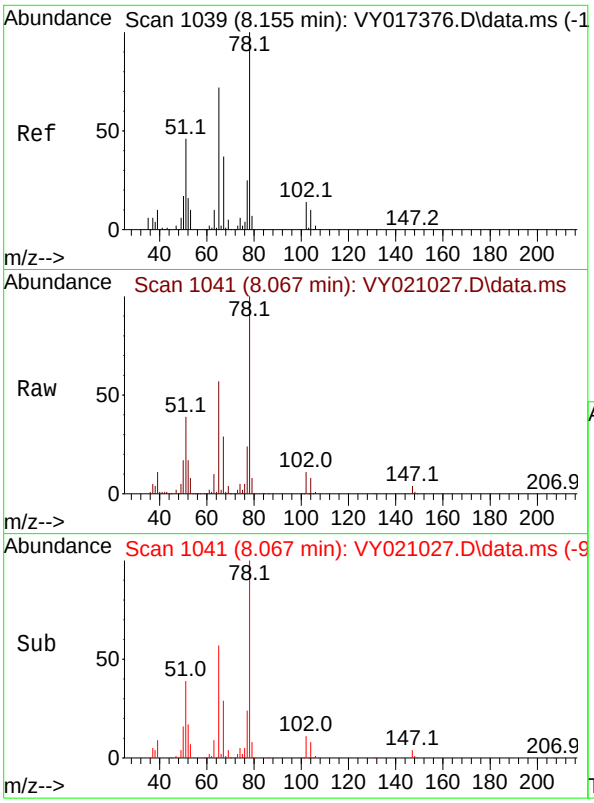


#32
1,1,1-Trichloroethane
Concen: 50.620 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 174612

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	42.6	35.0	52.6



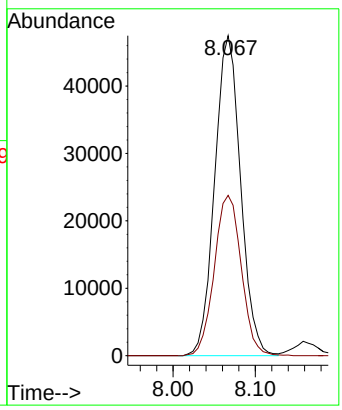


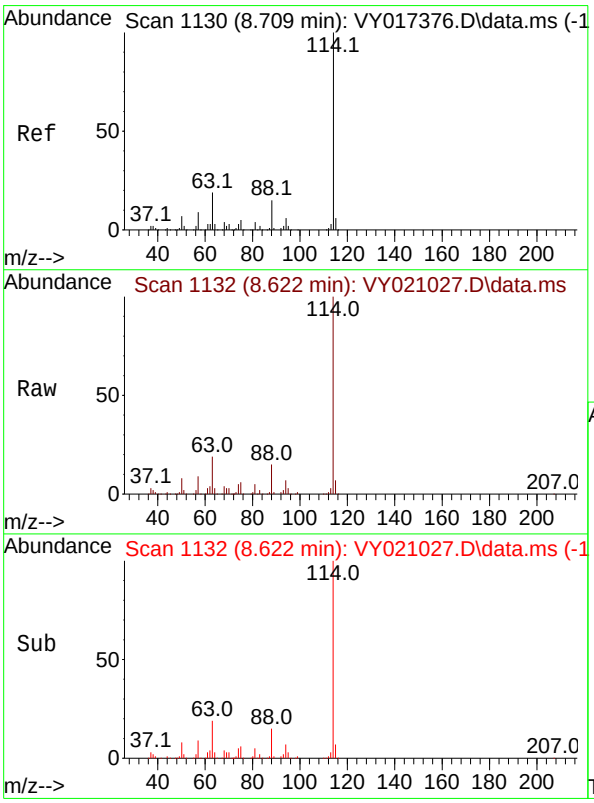
#33
1,2-Dichloroethane-d4
Concen: 54.604 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 65 Resp: 104134

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.0

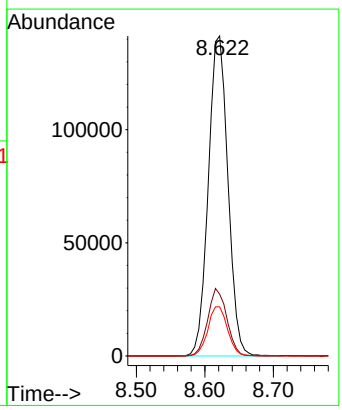


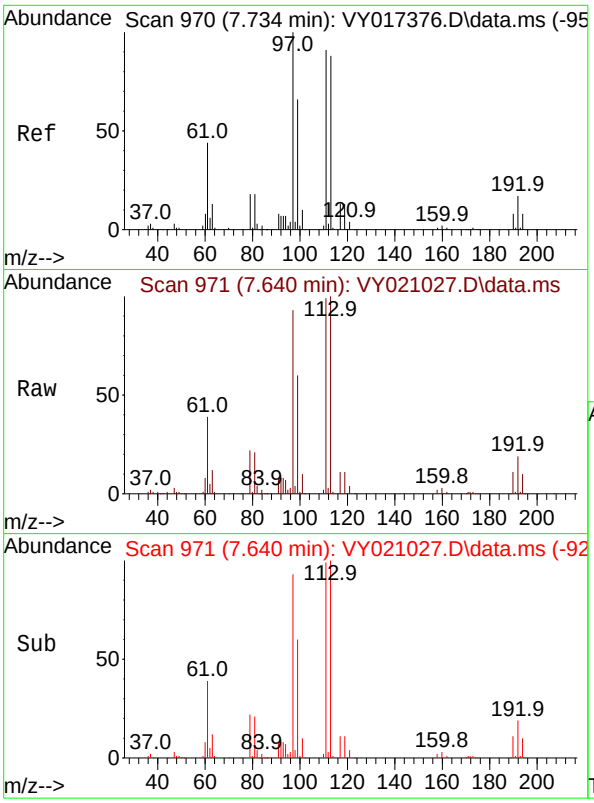


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:114 Resp: 280950

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.4
88	15.4	0.0	29.0



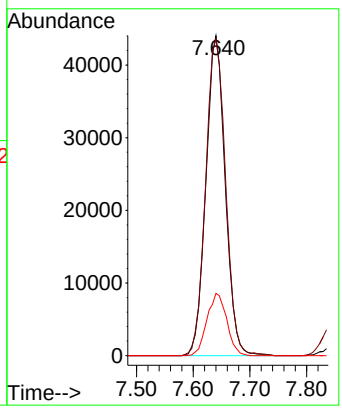


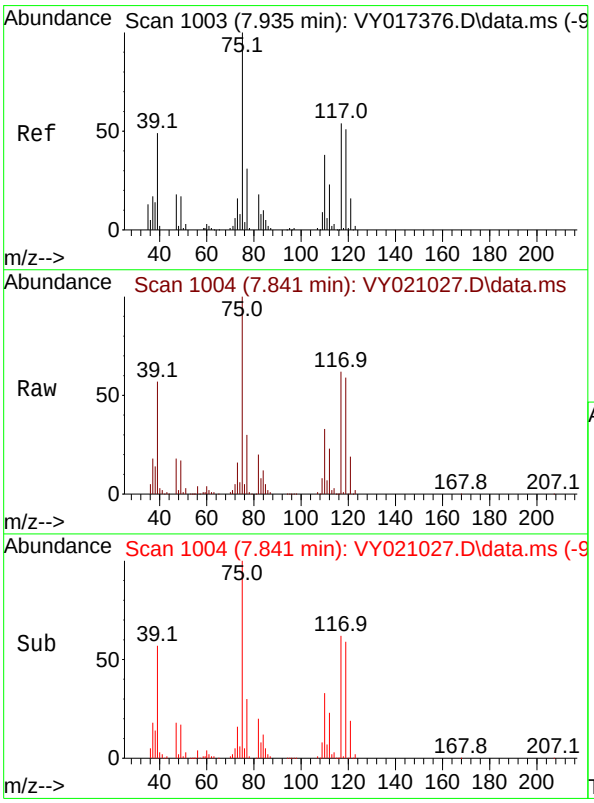
#35
Dibromofluoromethane
Concen: 57.790 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:113 Resp: 104051

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.8	125.6
192	20.0	14.5	21.7

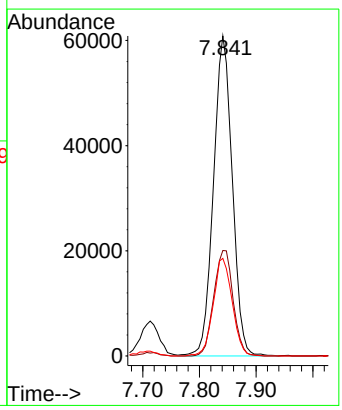


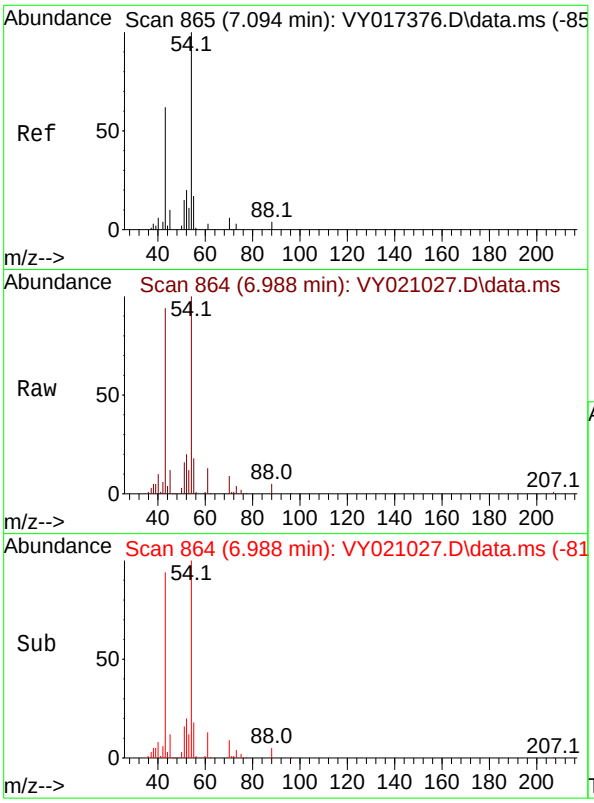


#36
1,1-Dichloropropene
Concen: 52.625 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 140344

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.4	52.3
77	30.7	24.7	37.1



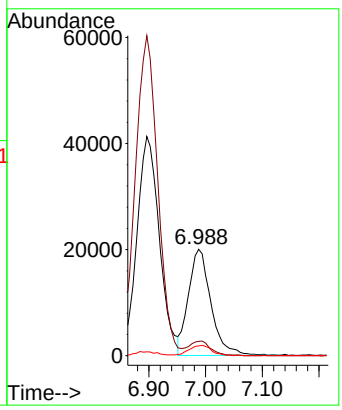


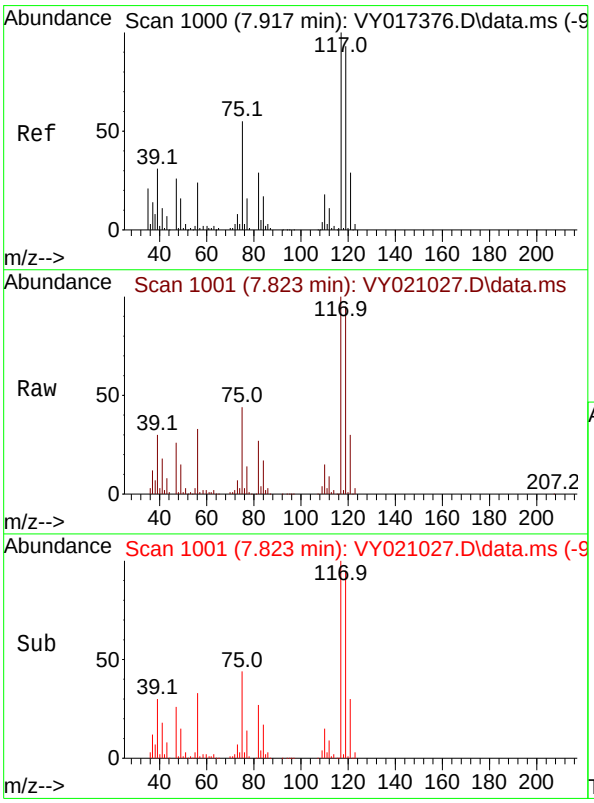
#37
Ethyl Acetate
Concen: 47.006 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 43 Resp: 54994

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	9.7	8.1	12.1

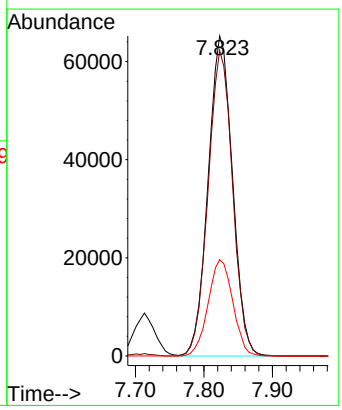


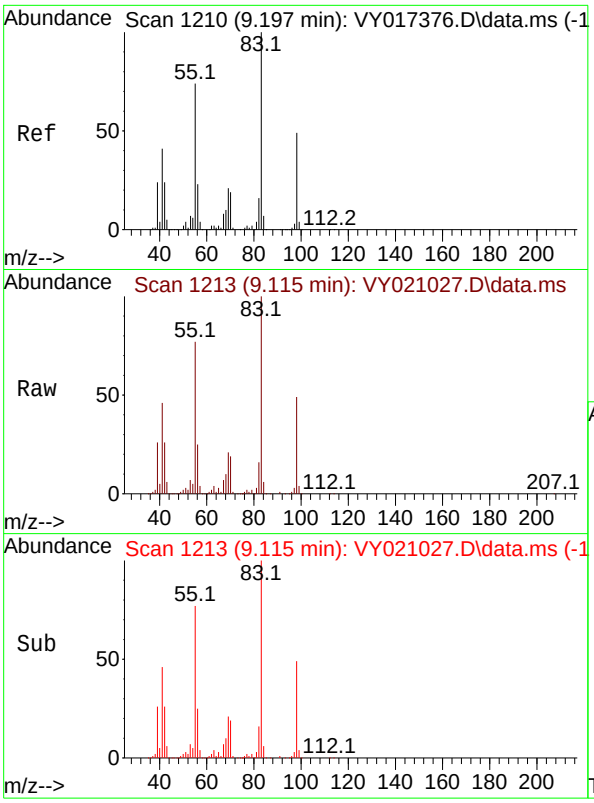


#38
Carbon Tetrachloride
Concen: 51.711 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 161137

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.0	114.0
121	30.1	24.2	36.2



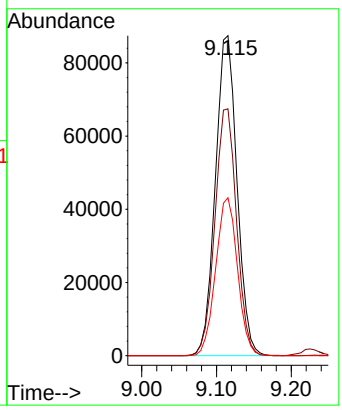


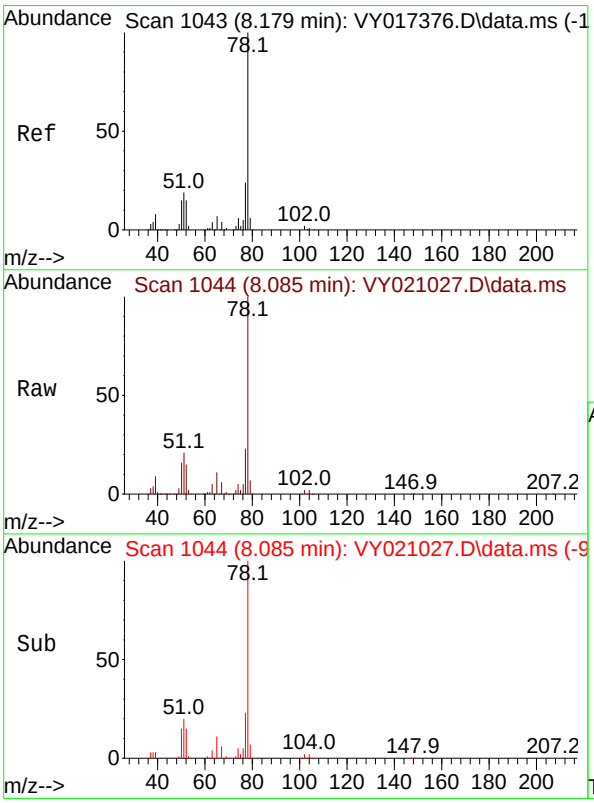
#39
Methylcyclohexane
Concen: 54.123 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 83 Resp: 176554

Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.7	89.5
98	49.4	38.0	57.0

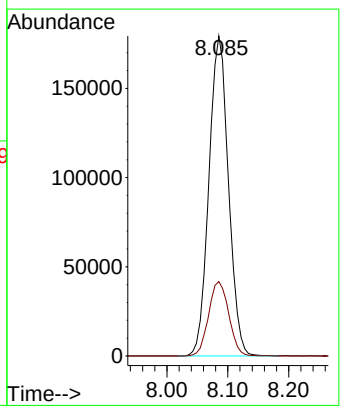


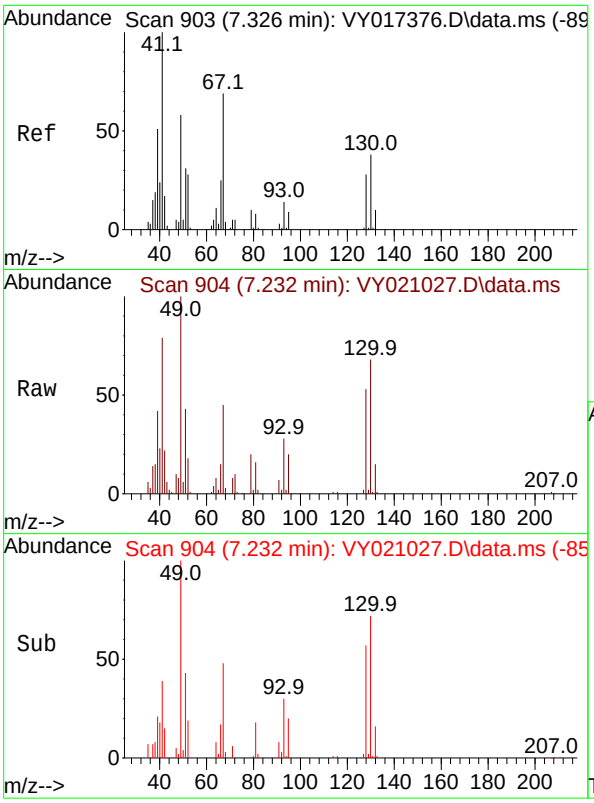


#40
Benzene
Concen: 51.052 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 78 Resp: 399547

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



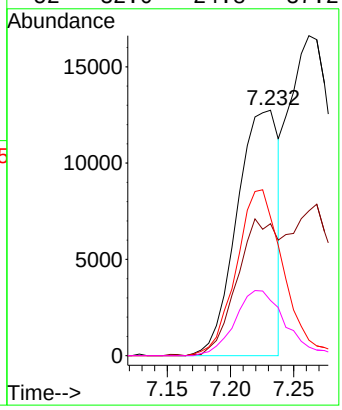


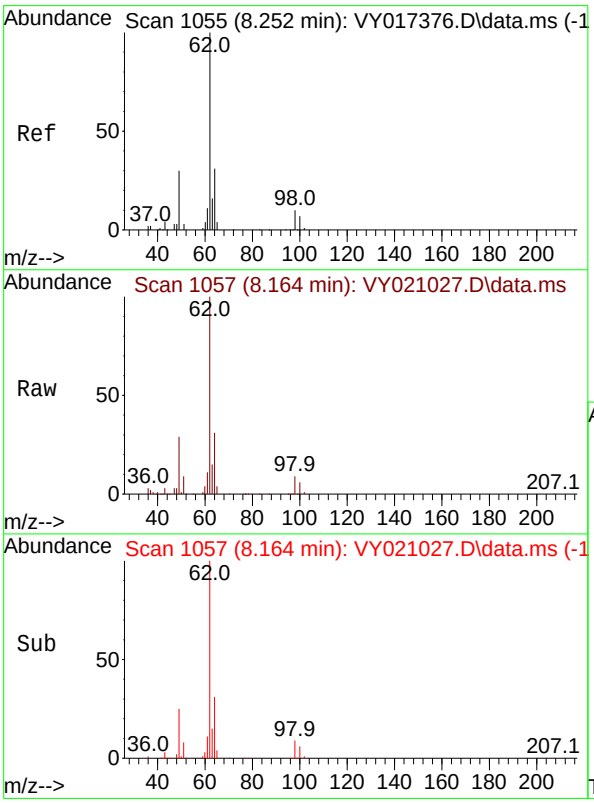
#41
Methacrylonitrile
Concen: 43.131 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 41 Resp: 29193

Ion	Ratio	Lower	Upper
41	100		
39	53.8	41.9	62.9
67	76.7	59.8	89.6
52	32.0	24.8	37.2

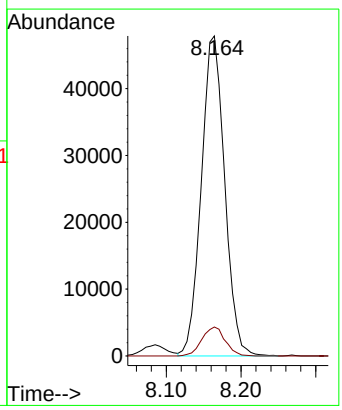


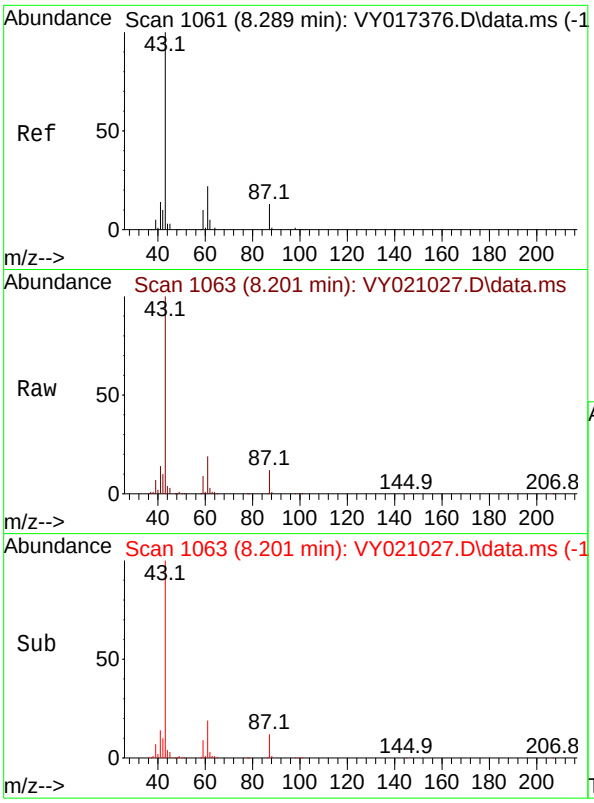


#42
1,2-Dichloroethane
Concen: 47.910 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 104015

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2



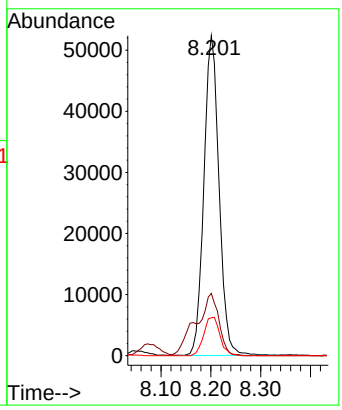


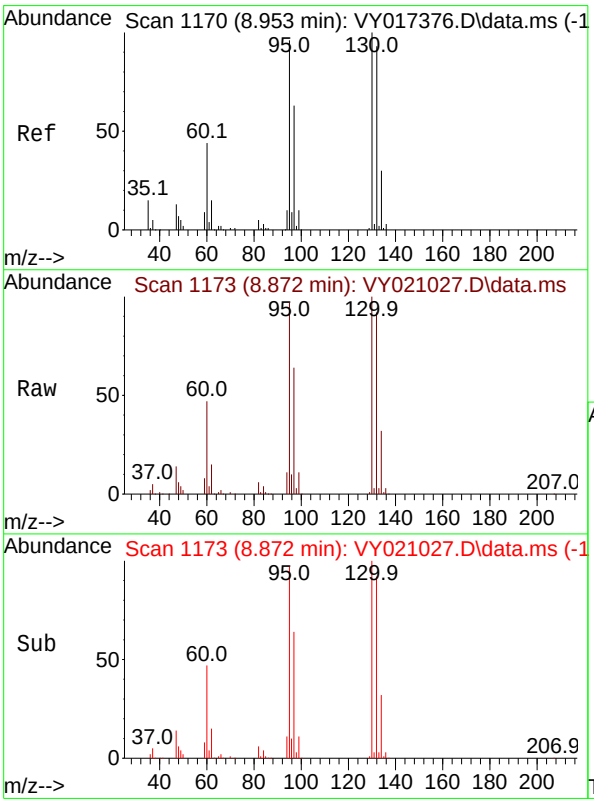
#43
Isopropyl Acetate
Concen: 47.523 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 43 Resp: 110476

Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.8	37.2
87	12.8	10.7	16.1

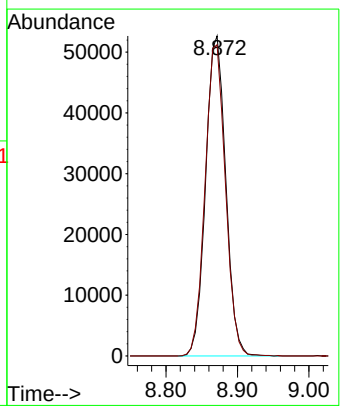


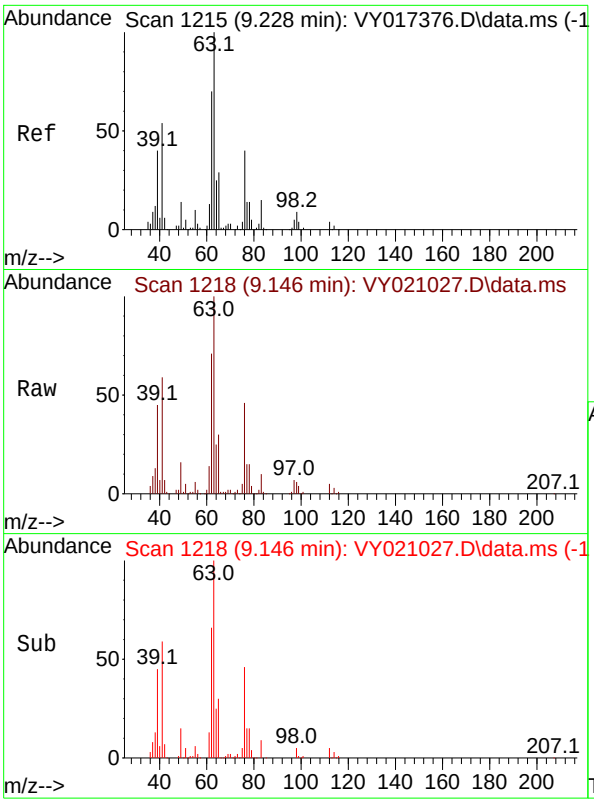


#44
Trichloroethene
Concen: 50.777 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:130 Resp: 102671

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	203.8



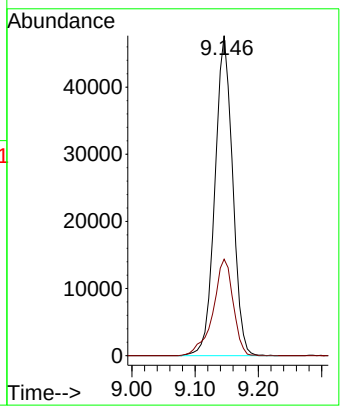


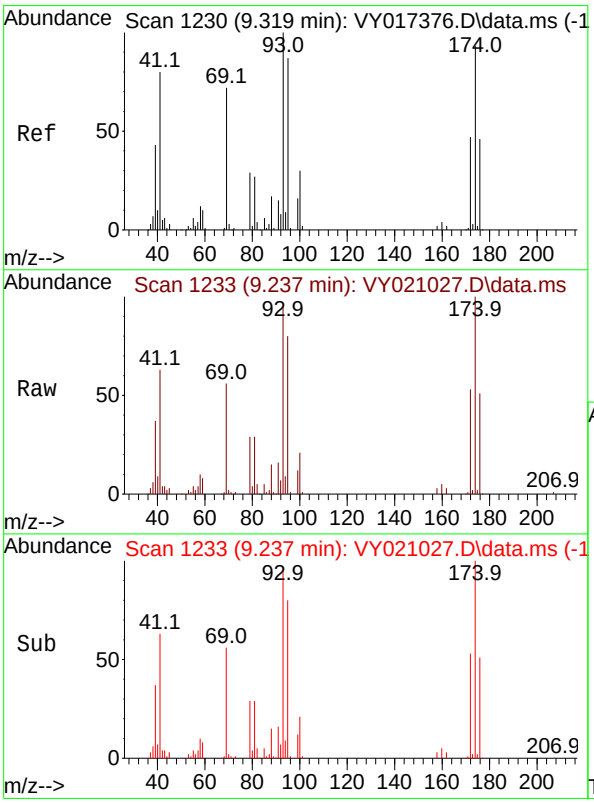
#45
1,2-Dichloropropane
Concen: 49.666 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 63 Resp: 92259

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	36.8

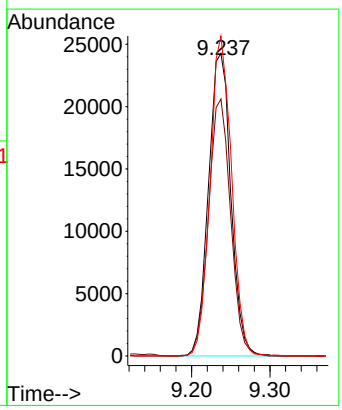


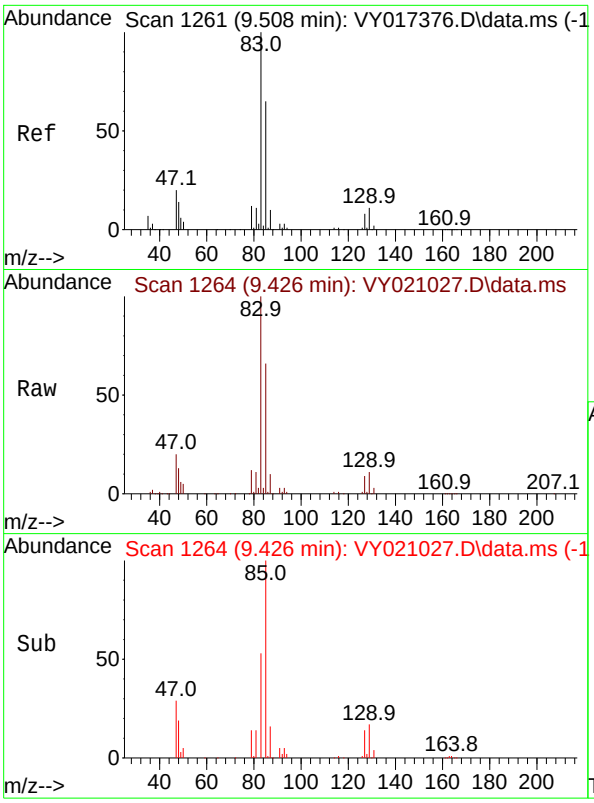


#46
Dibromomethane
Concen: 46.914 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 93 Resp: 48251

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.6	99.8
174	101.3	73.8	110.6



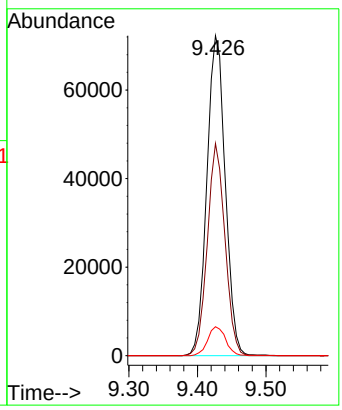


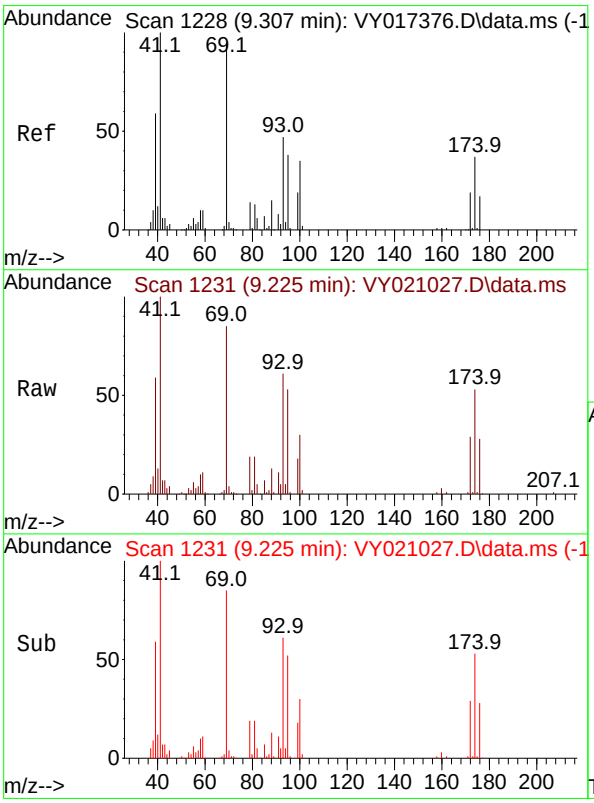
#47
Bromodichloromethane
Concen: 48.799 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 83 Resp: 134607

Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.2	79.8
127	9.1	6.4	9.6

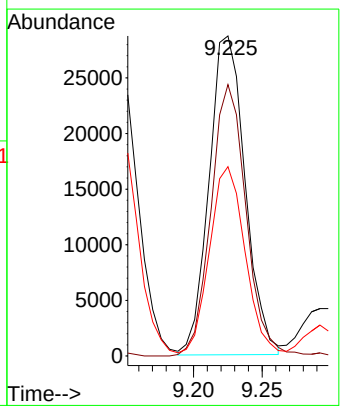


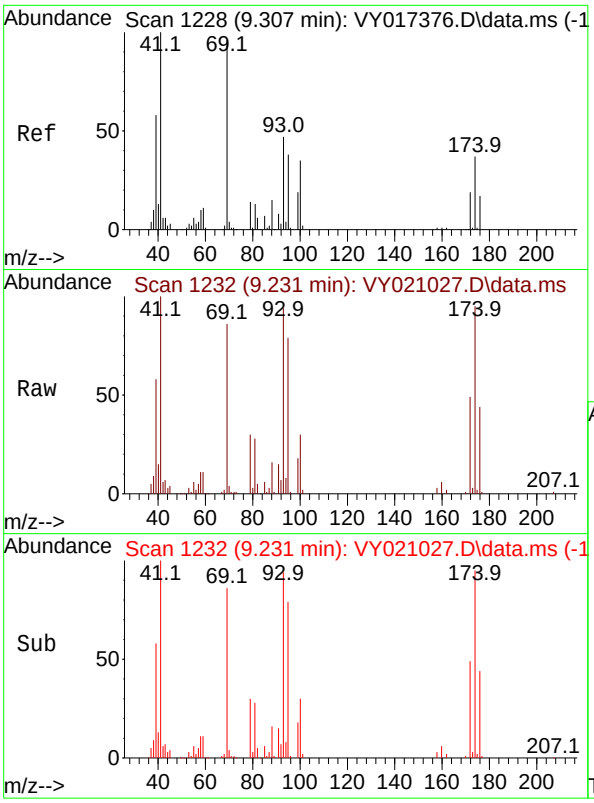


#48
Methyl methacrylate
Concen: 49.560 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 52480

Ion	Ratio	Lower	Upper
41	100		
69	83.0	72.1	108.1
39	57.2	42.8	64.2



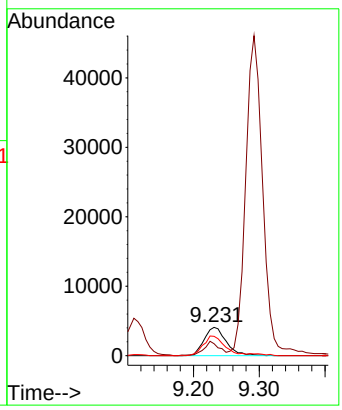


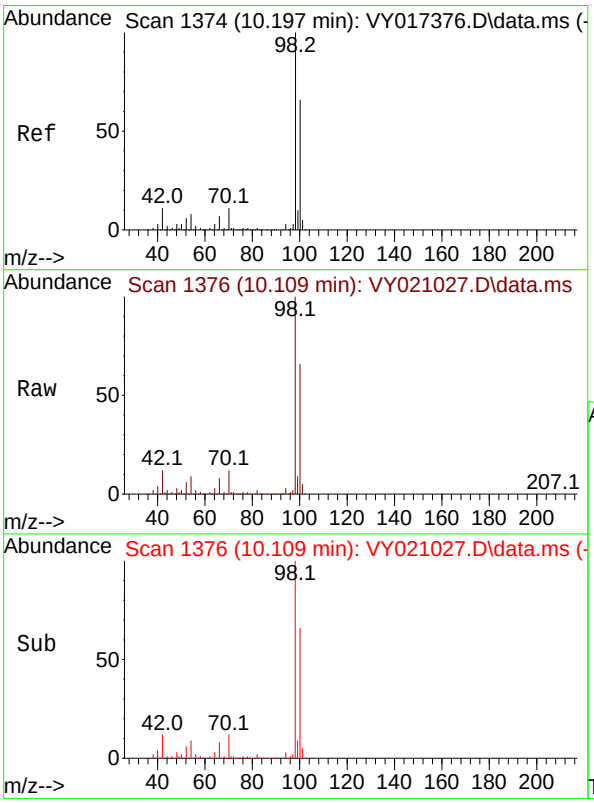
#49
1,4-Dioxane
Concen: 1001.398 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 88 Resp: 9588

Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.2	42.4
58	66.7	52.2	78.2

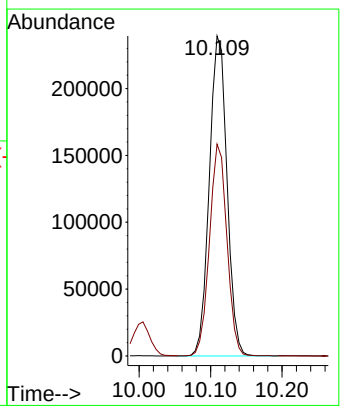


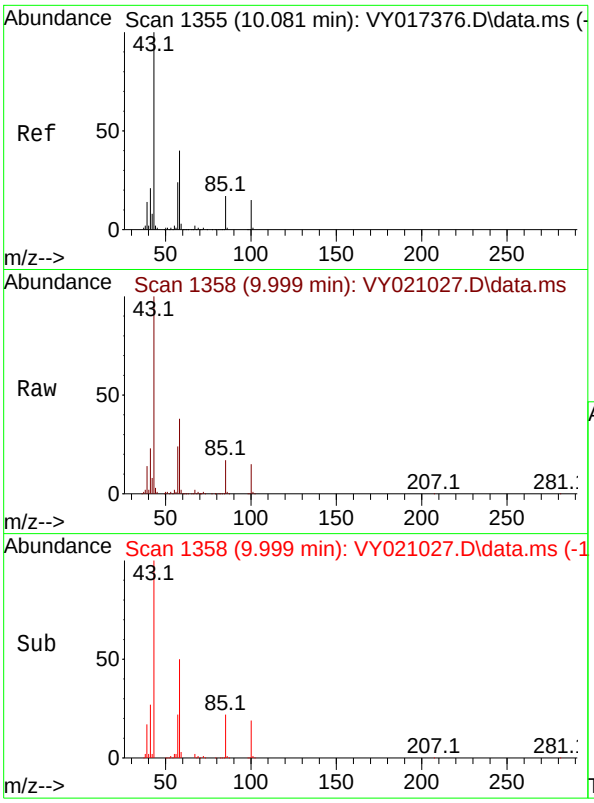


#50
Toluene-d8
Concen: 59.966 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 98 Resp: 411045

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5



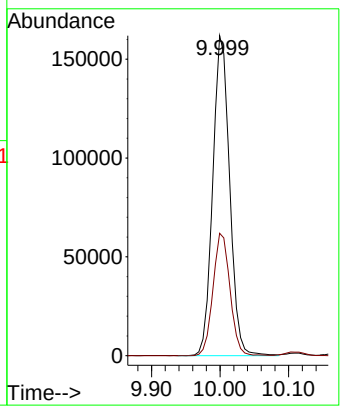


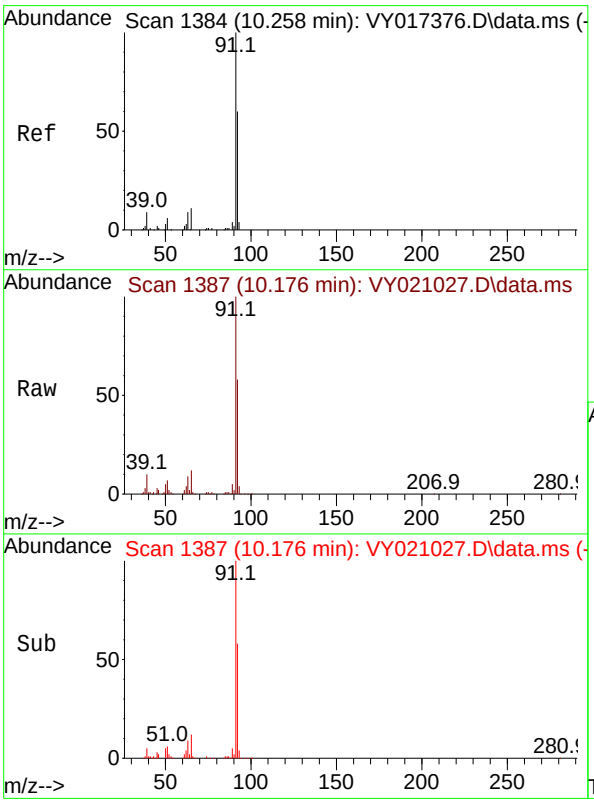
#51
4-Methyl-2-Pentanone
Concen: 236.615 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 43 Resp: 276605

Ion	Ratio	Lower	Upper
43	100		
58	38.6	32.2	48.2

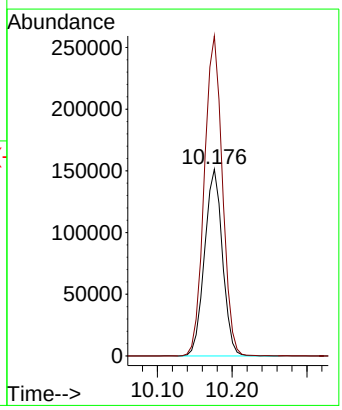


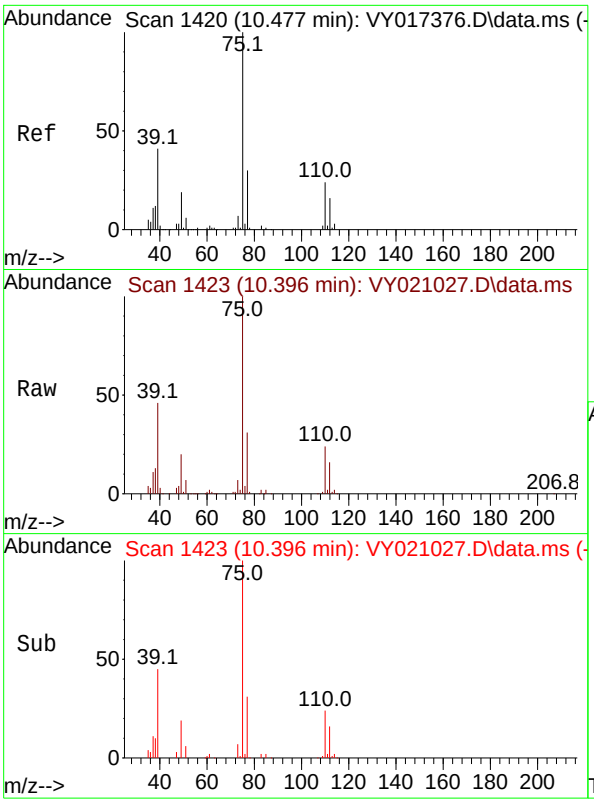


#52
Toluene
Concen: 51.135 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 92 Resp: 251287

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.6	206.4



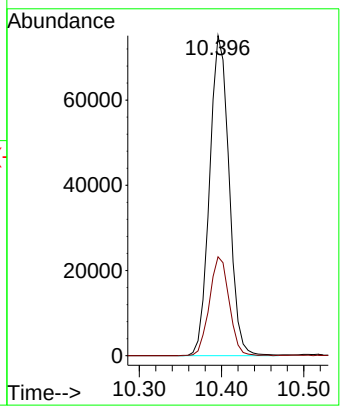


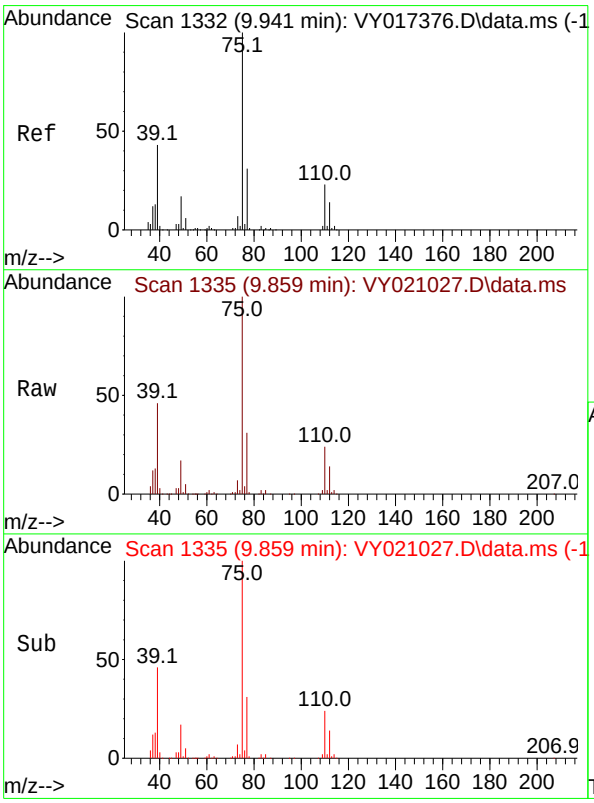
#53
t-1,3-Dichloropropene
Concen: 49.950 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 75 Resp: 123718

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8

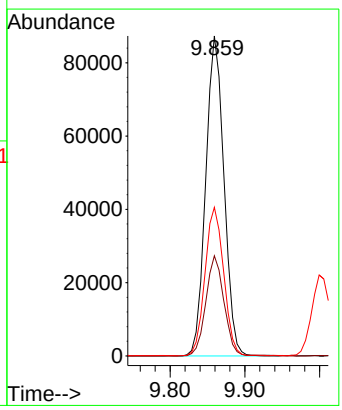


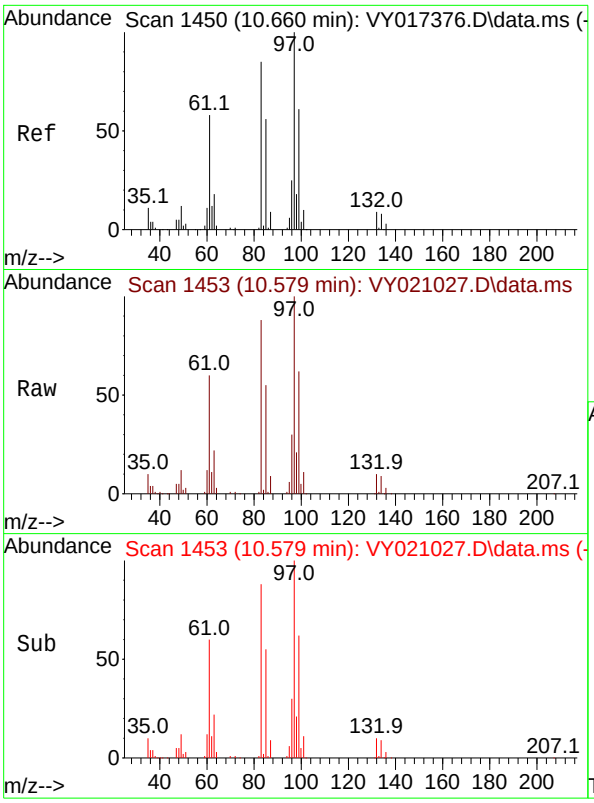


#54
cis-1,3-Dichloropropene
Concen: 50.550 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 148244

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	46.4	33.6	50.4



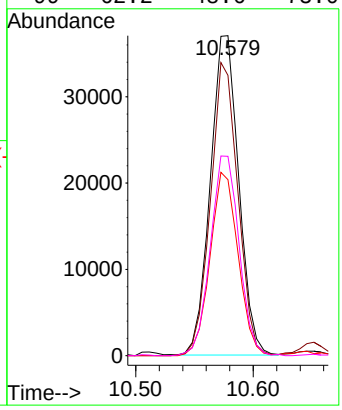


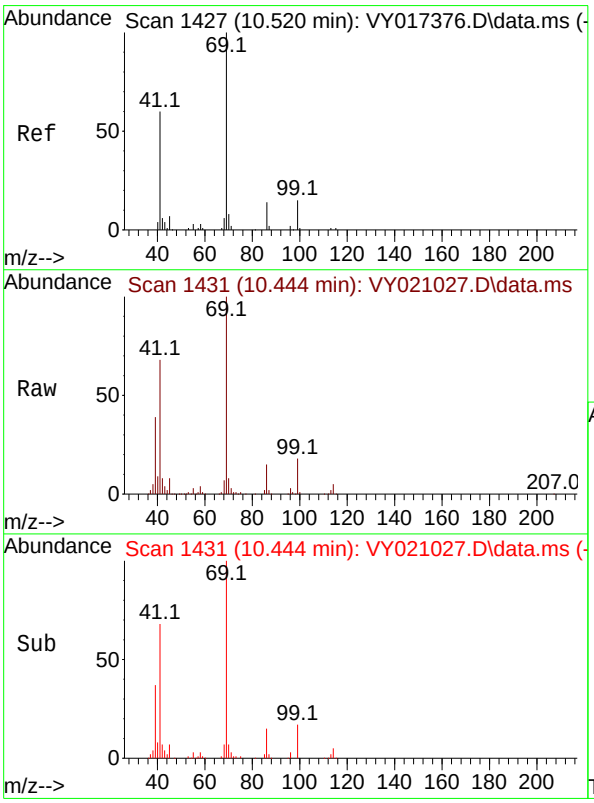
#55
1,1,2-Trichloroethane
Concen: 46.820 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 97 Resp: 62357

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.2
85	55.1	43.9	65.9
99	62.2	48.6	73.0

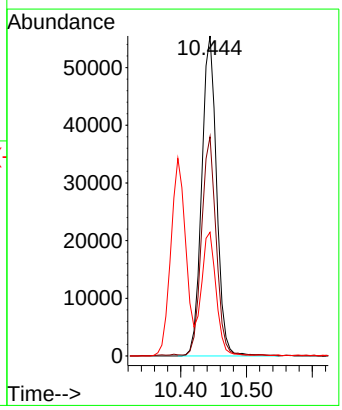


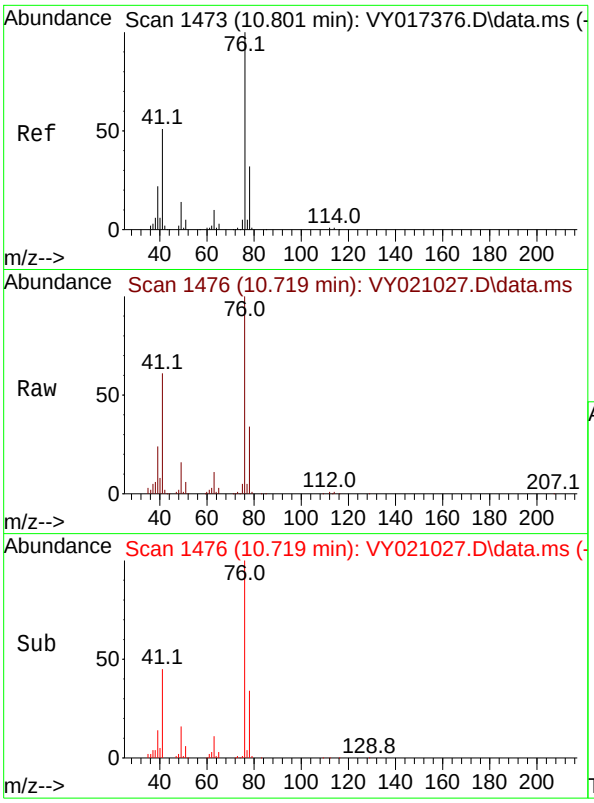


#56
Ethyl methacrylate
Concen: 49.082 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 69 Resp: 87450

Ion	Ratio	Lower	Upper
69	100		
41	66.5	49.2	73.8
39	37.5	26.8	40.2



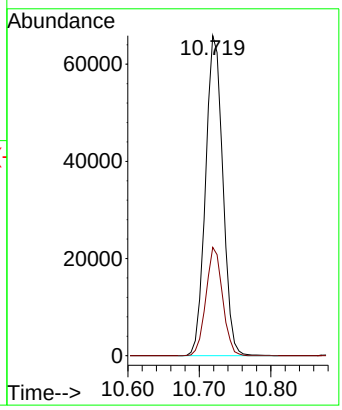


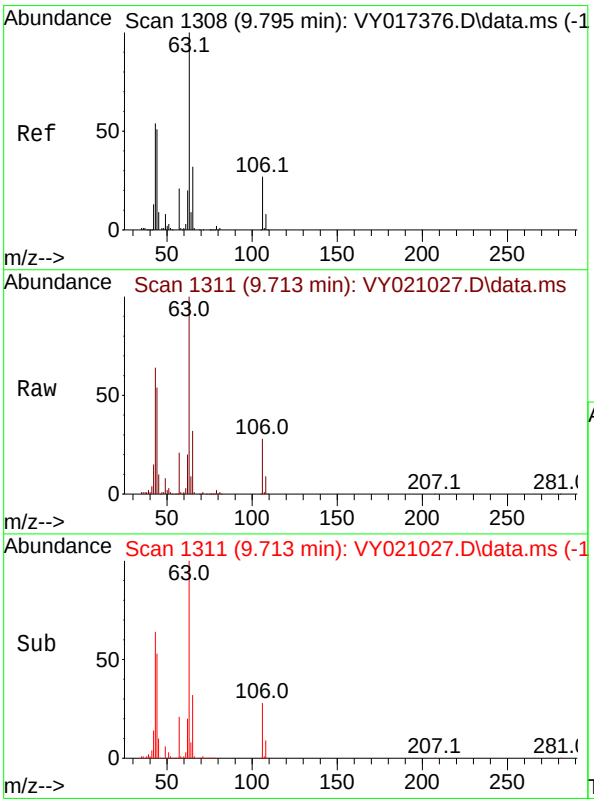
#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 76 Resp: 110606

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

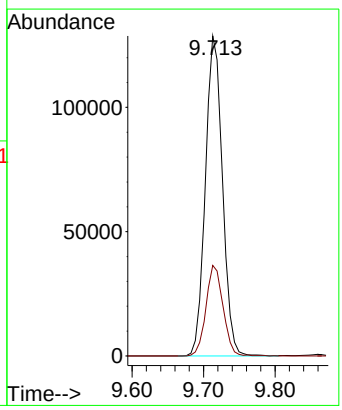


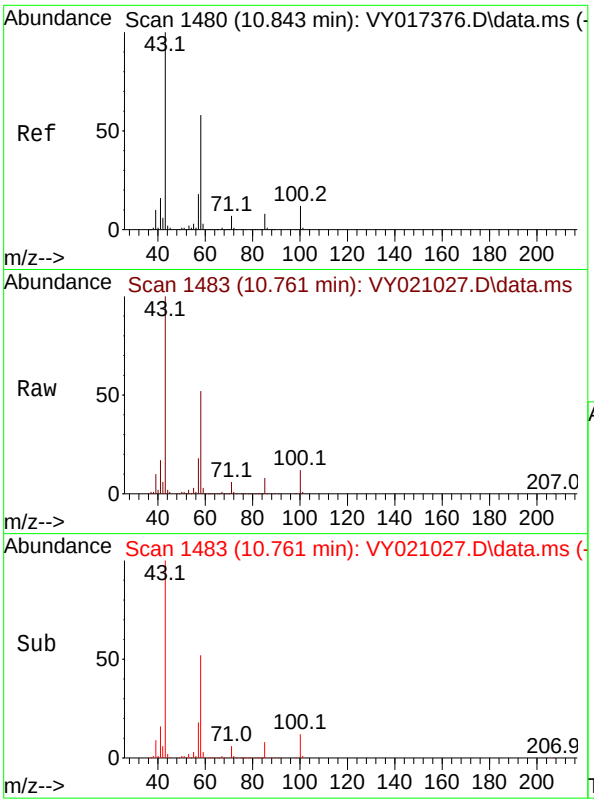


#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 213481

Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.4	33.6



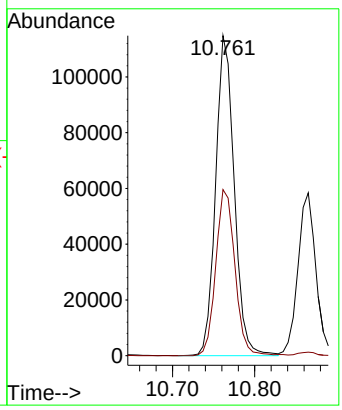


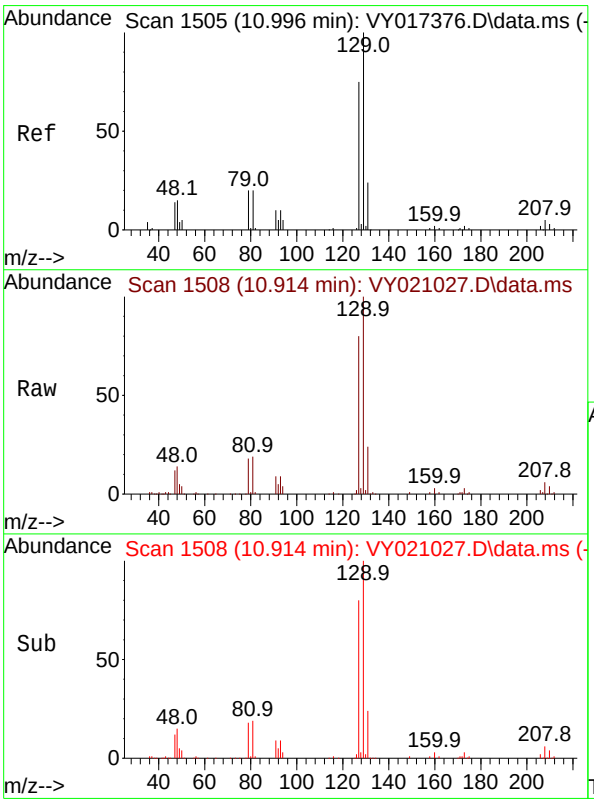
#59
2-Hexanone
Concen: 239.750 ug/l
RT: 10.761 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 43 Resp: 180455

Ion	Ratio	Lower	Upper
43	100		
58	53.5	28.1	84.3

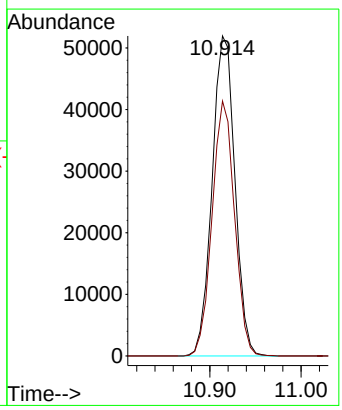


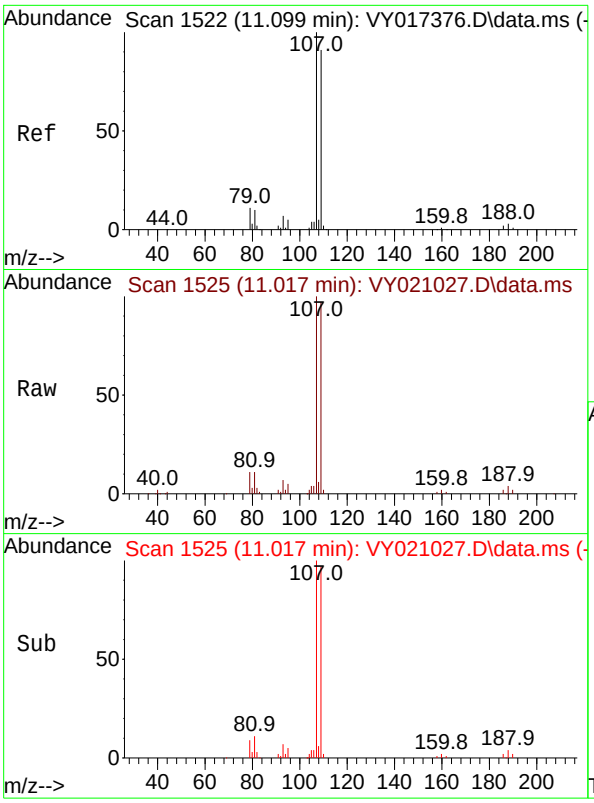


#60
Dibromochloromethane
Concen: 48.123 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:129 Resp: 90009

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.2	117.6



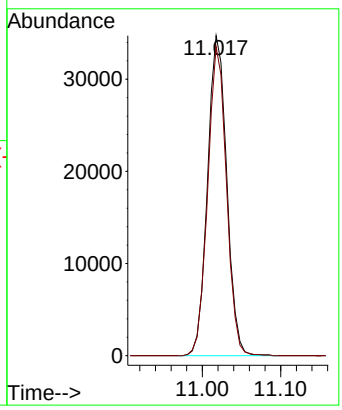


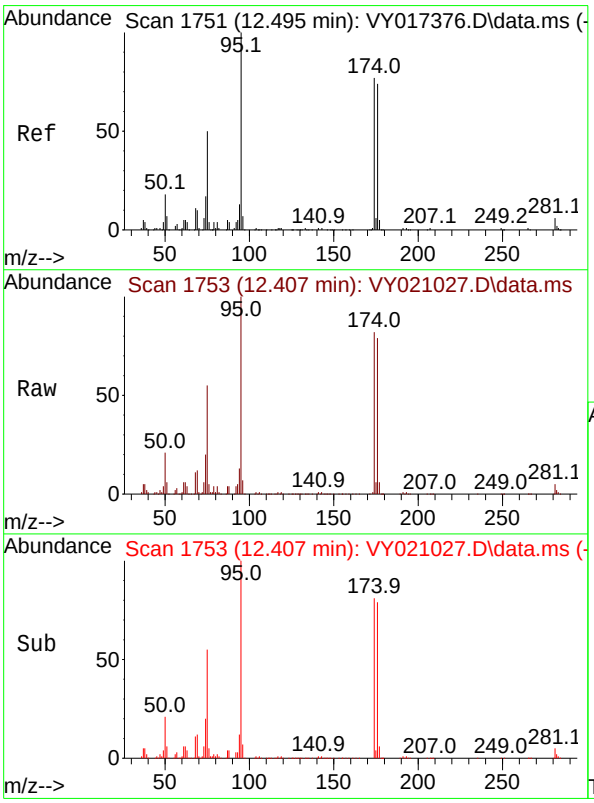
#61
1,2-Dibromoethane
Concen: 47.325 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:107 Resp: 59039

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

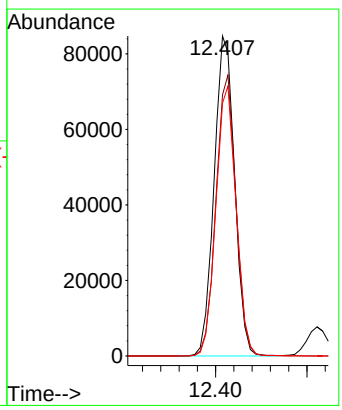


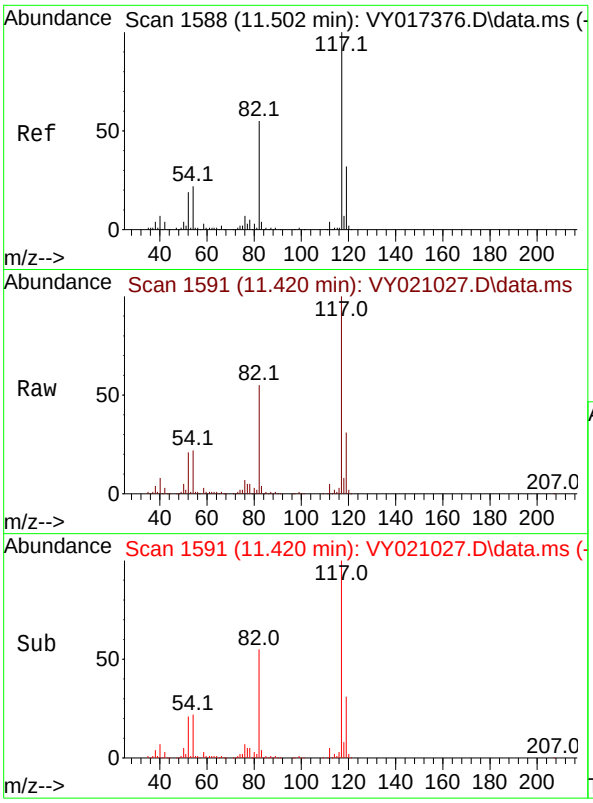


#62
4-Bromofluorobenzene
Concen: 58.919 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 95 Resp: 131943

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	160.0
176	83.2	0.0	151.8



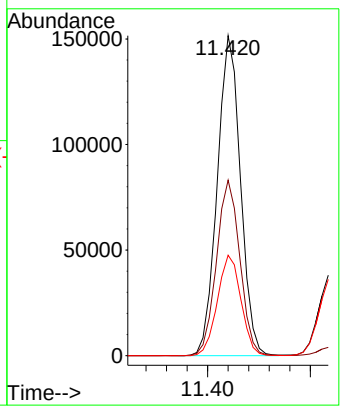


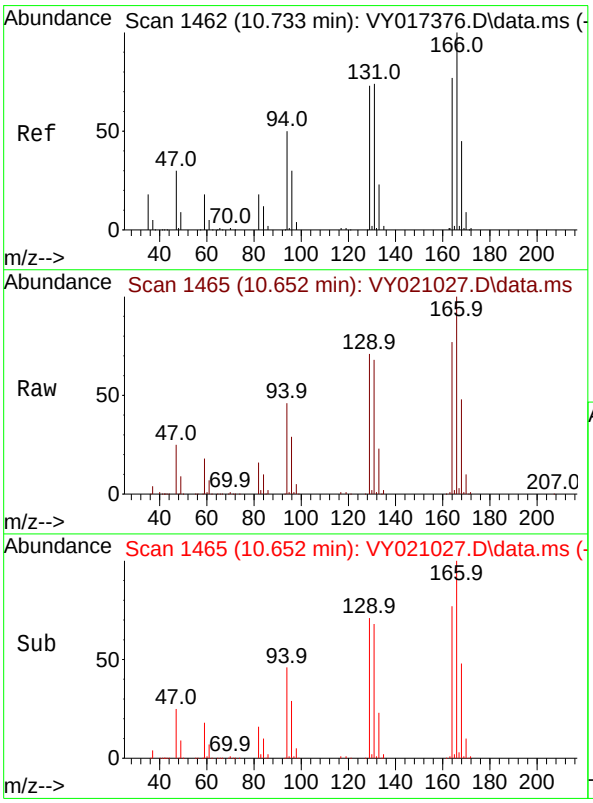
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:117 Resp: 237569

Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.8
119	31.4	26.5	39.7

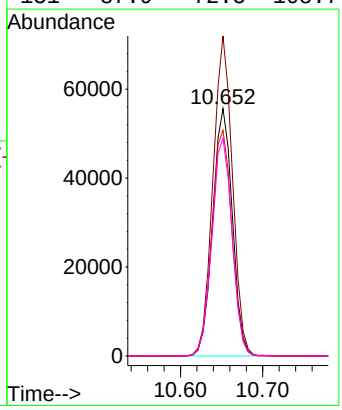


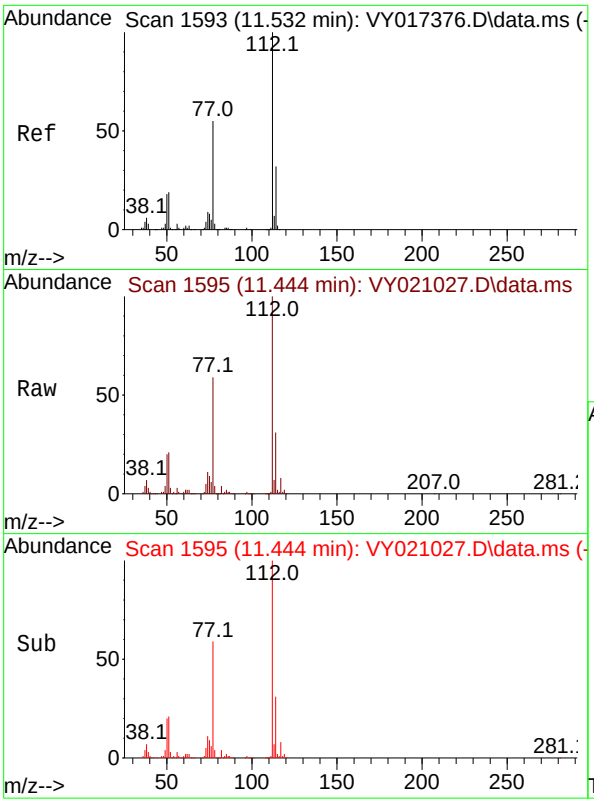


#64
Tetrachloroethene
Concen: 52.446 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:164 Resp: 92493

Ion	Ratio	Lower	Upper
164	100		
166	129.4	98.8	148.2
129	91.2	78.9	118.3
131	87.9	72.5	108.7



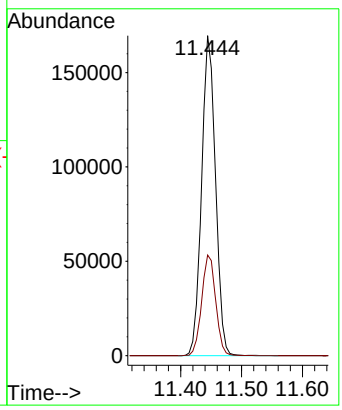


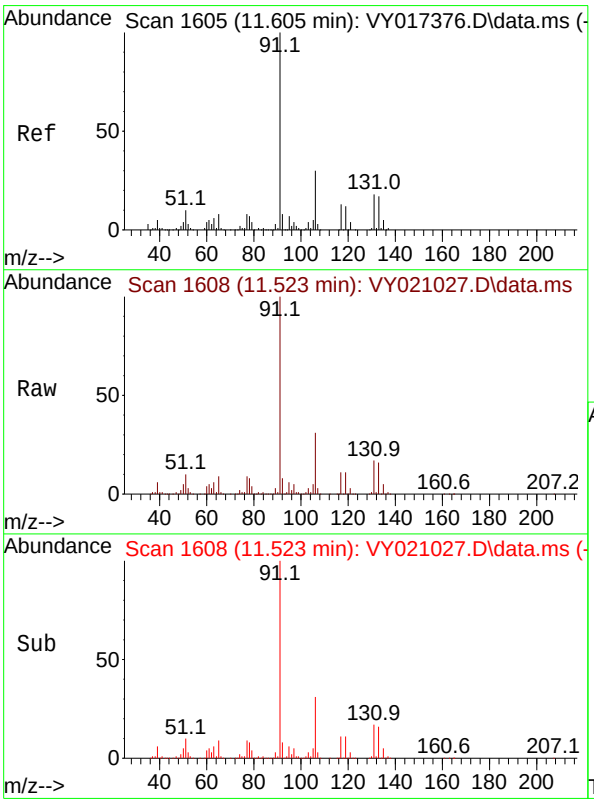
#65
Chlorobenzene
Concen: 50.766 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:112 Resp: 268544

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.1	39.1

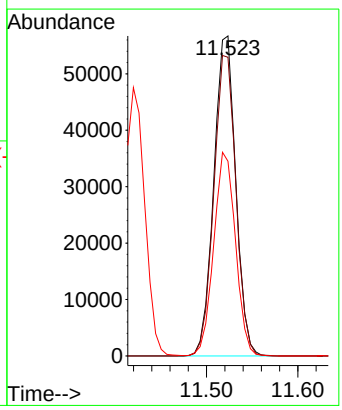


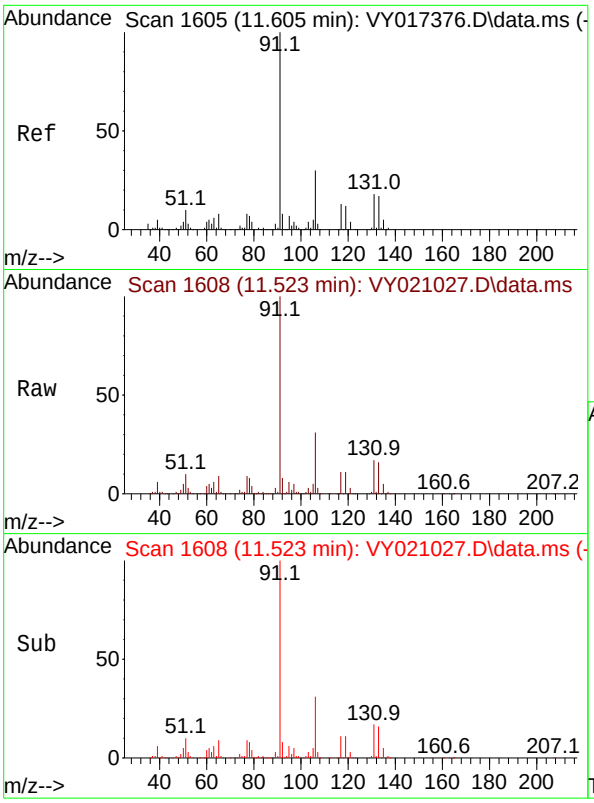


#66
1,1,1,2-Tetrachloroethane
Concen: 50.356 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:131 Resp: 94662

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.0	141.0
119	63.3	33.3	99.9



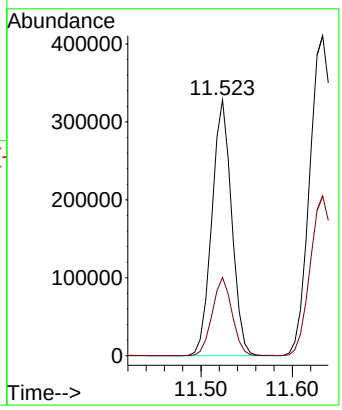


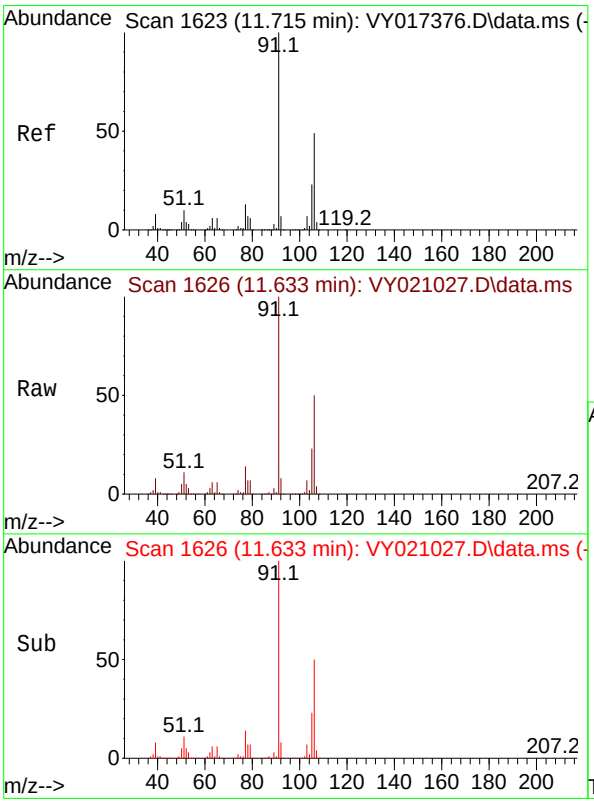
#67
Ethyl Benzene
Concen: 52.642 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 91 Resp: 492537

Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.0	37.4

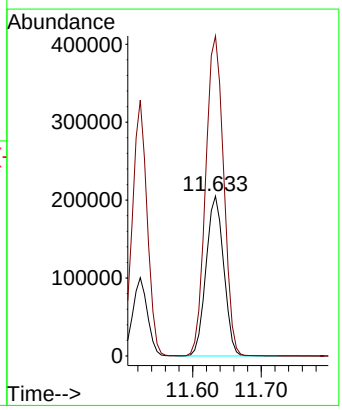


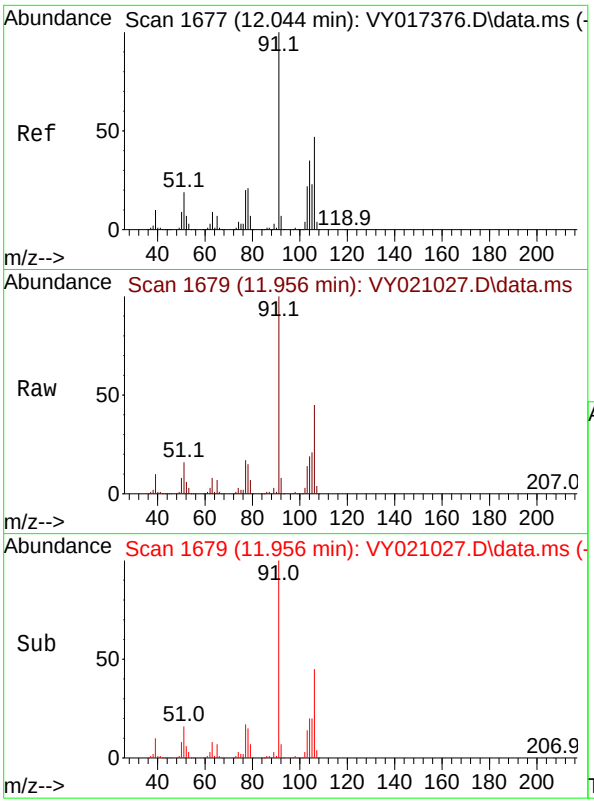


#68
m/p-Xylenes
Concen: 104.978 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 367445

Ion	Ratio	Lower	Upper
106	100		
91	204.0	160.7	241.1



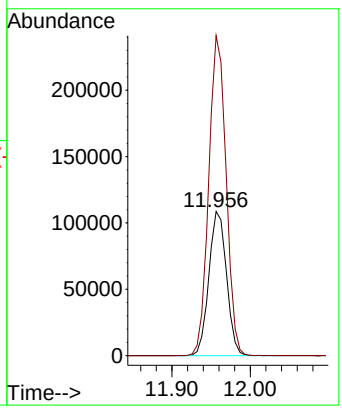


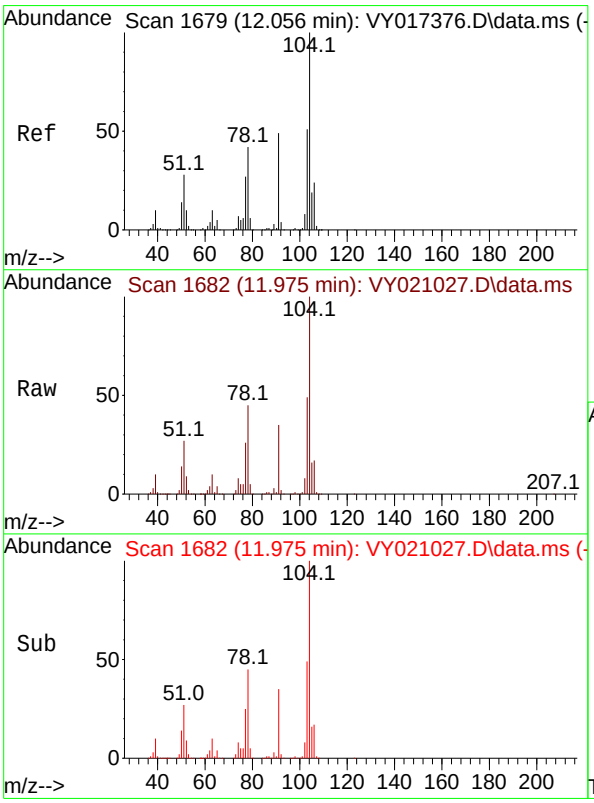
#69
o-Xylene
Concen: 52.062 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:106 Resp: 169897

Ion	Ratio	Lower	Upper
106	100		
91	218.5	106.5	319.5

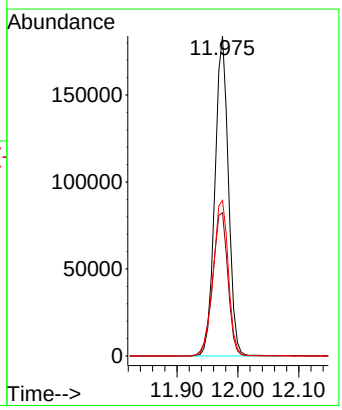


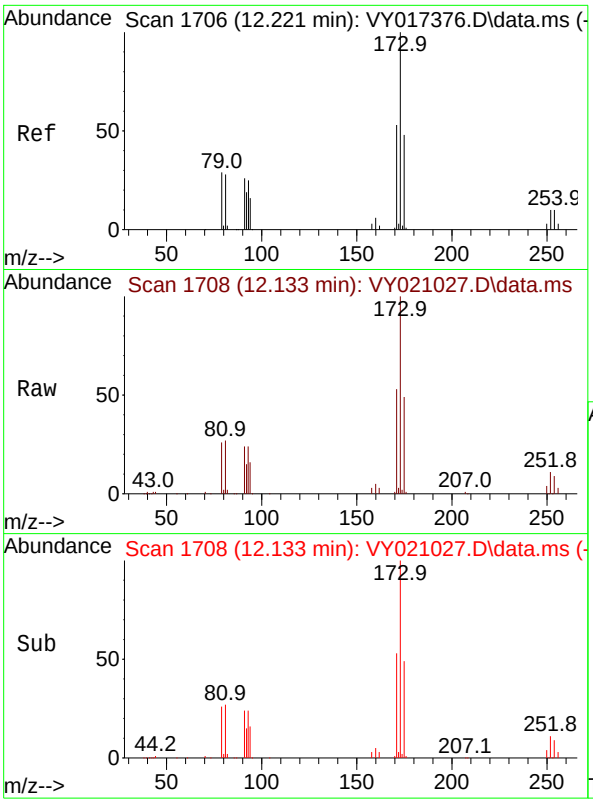


#70
Styrene
Concen: 52.009 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:104 Resp: 282879

Ion	Ratio	Lower	Upper
104	100		
78	50.8	39.2	58.8
103	54.5	43.8	65.6



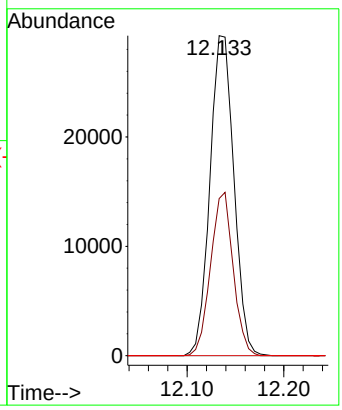


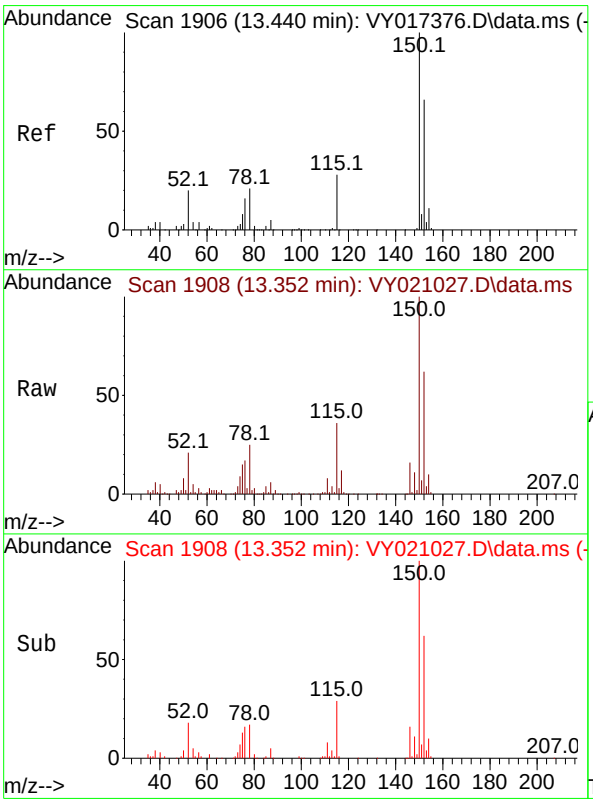
#71
Bromoform
Concen: 48.166 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:173 Resp: 50400

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0

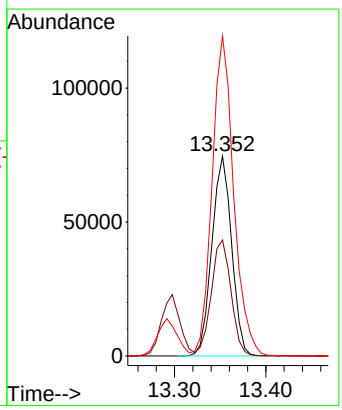


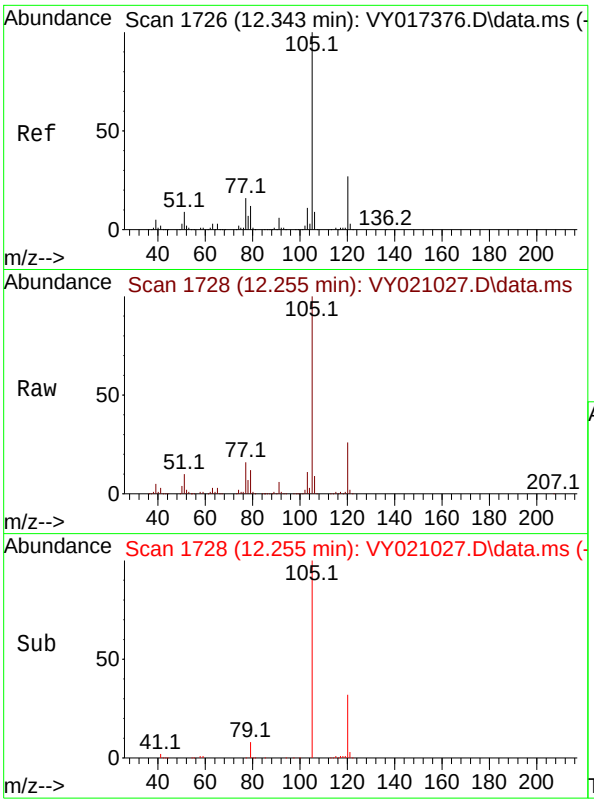


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:152 Resp: 112062

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.0	90.0
150	175.2	0.0	344.6



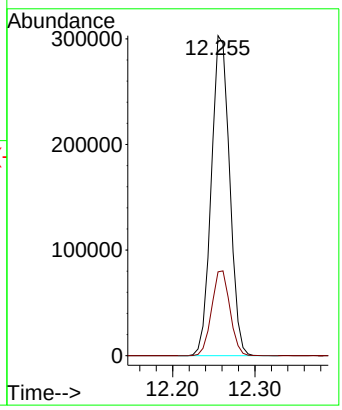


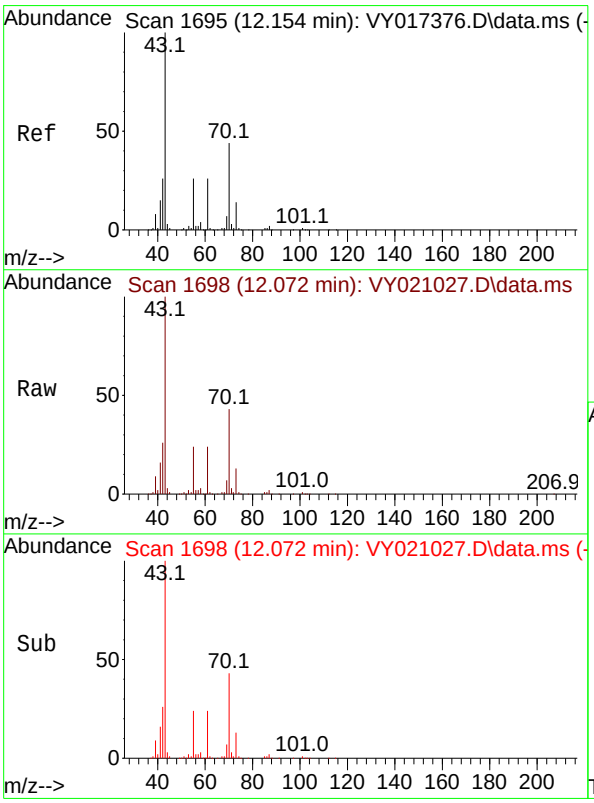
#73
Isopropylbenzene
Concen: 53.377 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:105 Resp: 467245

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	39.0

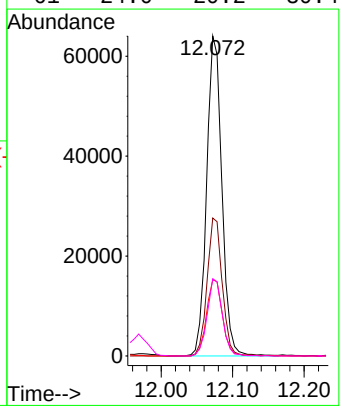


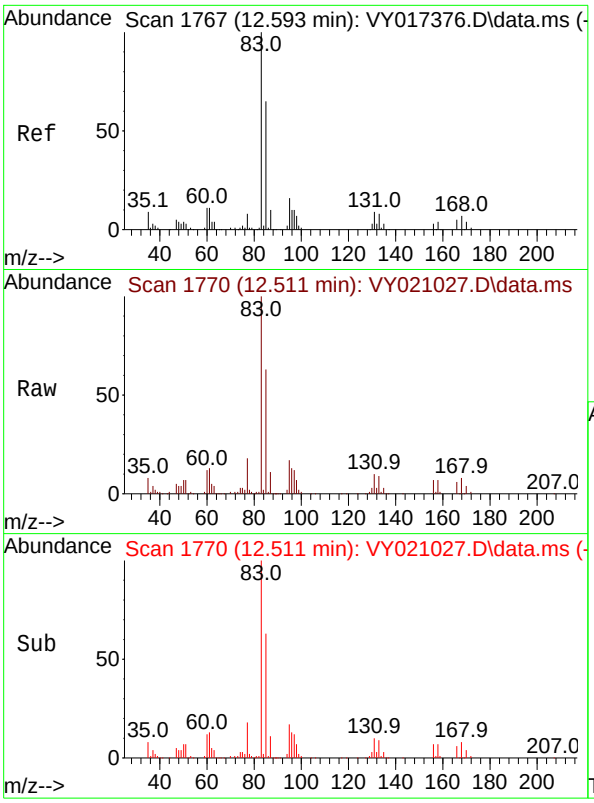


#74
N-amyl acetate
Concen: 49.483 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 94701

Ion	Ratio	Lower	Upper
43	100		
70	42.8	36.6	55.0
55	24.9	22.2	33.4
61	24.0	20.2	30.4



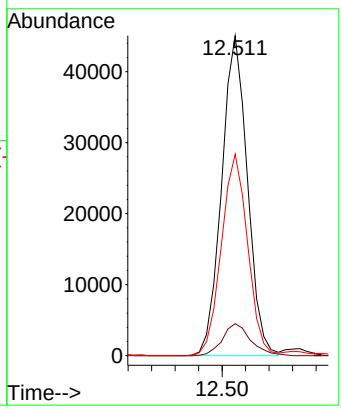


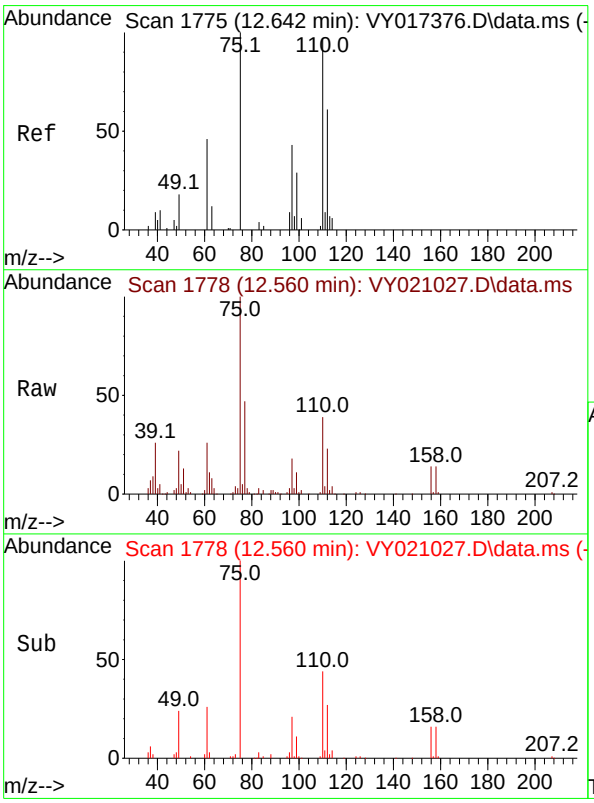
#75
1,1,2,2-Tetrachloroethane
Concen: 47.145 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 83 Resp: 68636

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.6
85	64.0	32.6	98.0

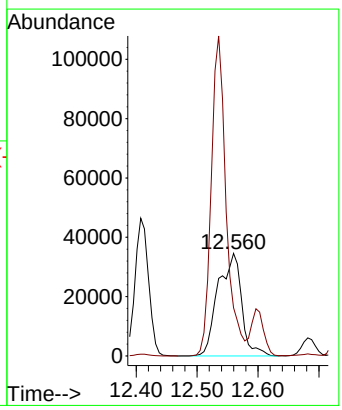


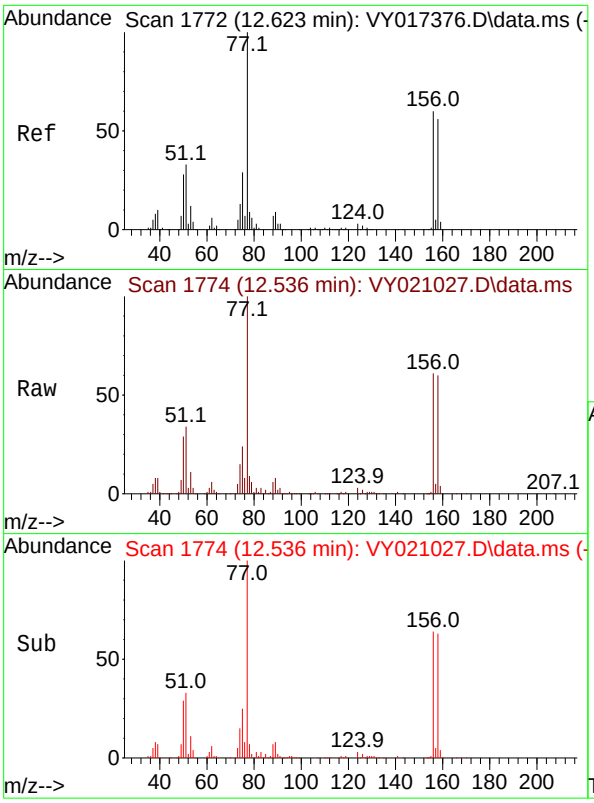


#76
1,2,3-Trichloropropane
Concen: 91.514 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 93028

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



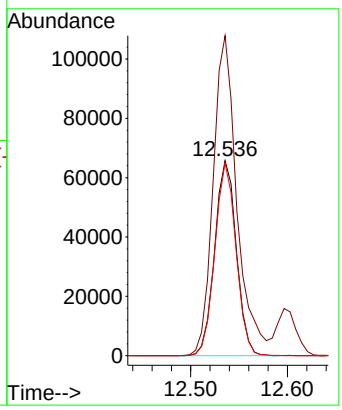


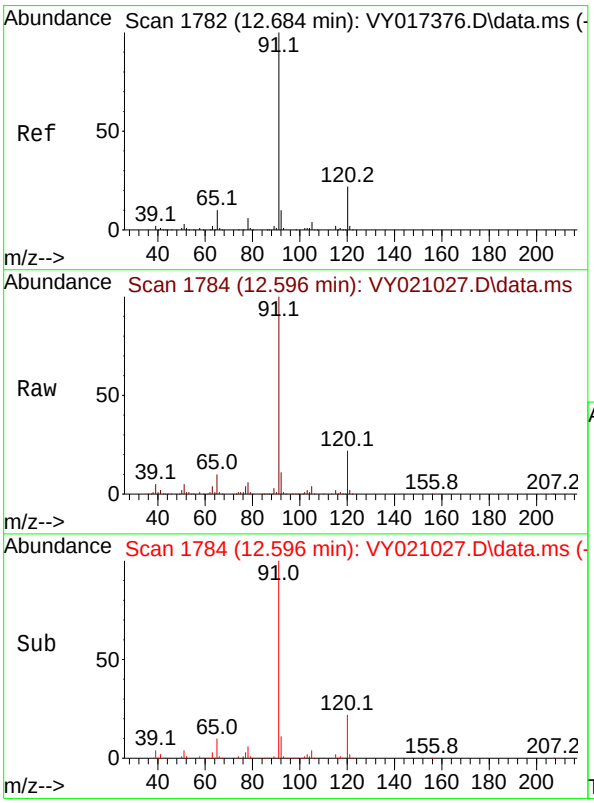
#77
Bromobenzene
Concen: 50.490 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:156 Resp: 101991

Ion	Ratio	Lower	Upper
156	100		
77	179.9	97.3	291.8
158	96.9	48.4	145.0

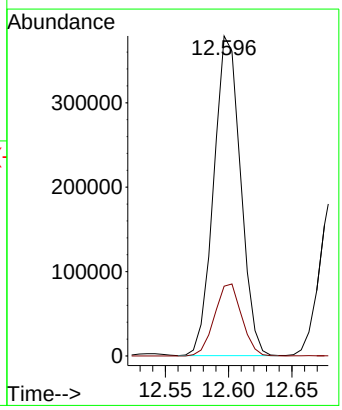


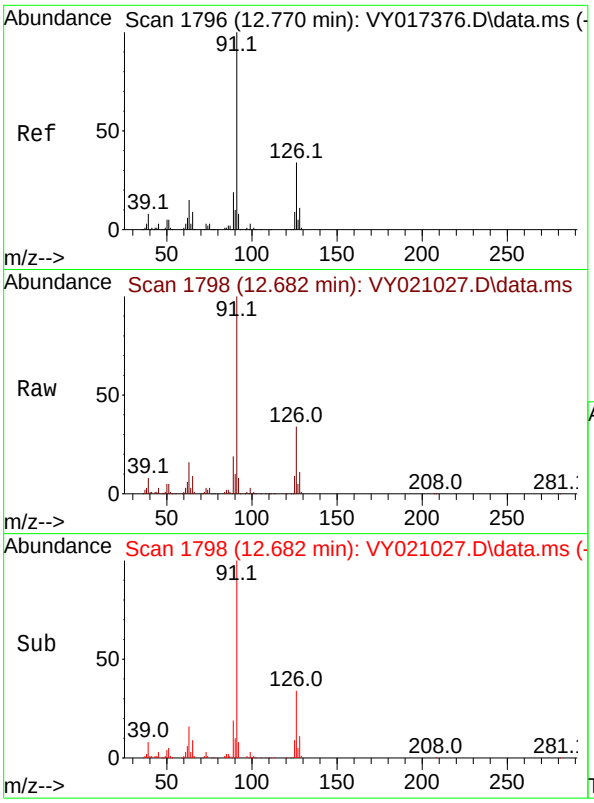


#78
n-propylbenzene
Concen: 53.513 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 558013

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0



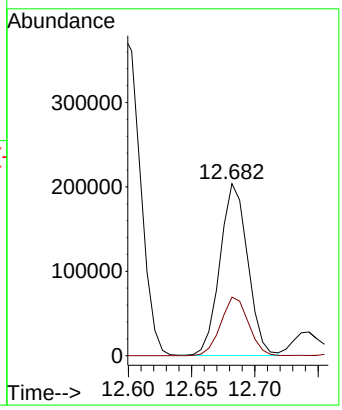


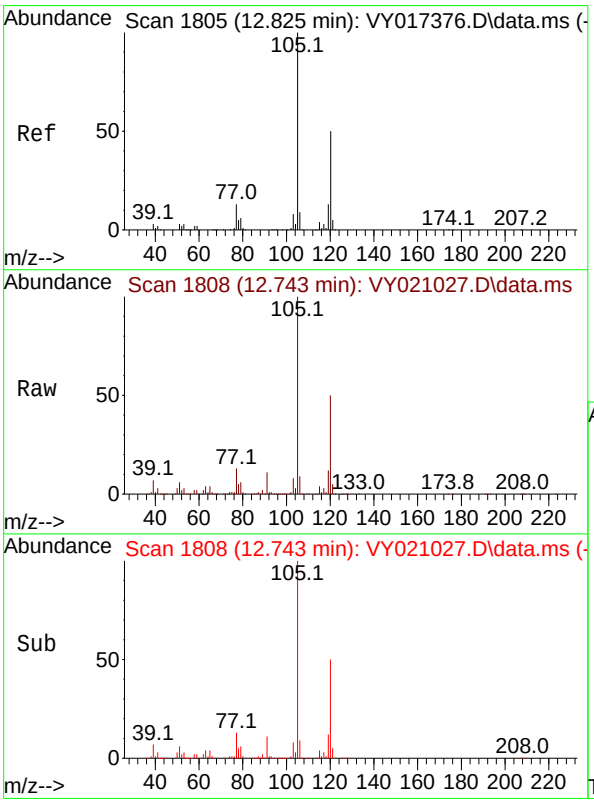
#79
2-Chlorotoluene
Concen: 51.922 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 91 Resp: 310097

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0

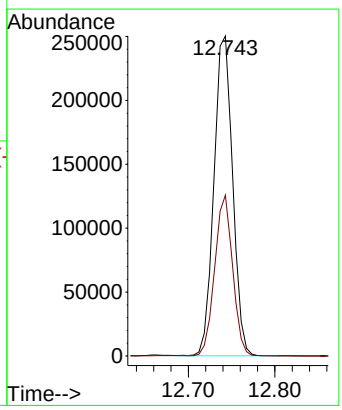


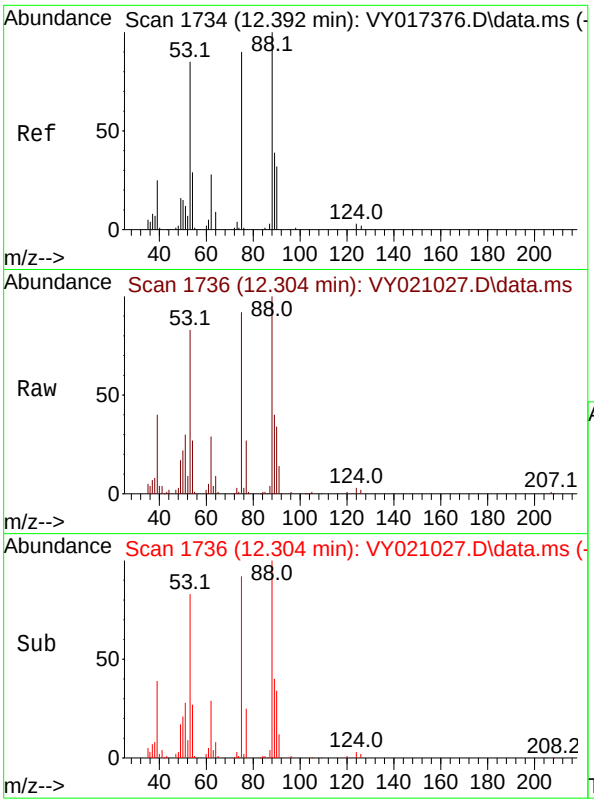


#80
1,3,5-Trimethylbenzene
Concen: 52.840 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 375018

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	72.8



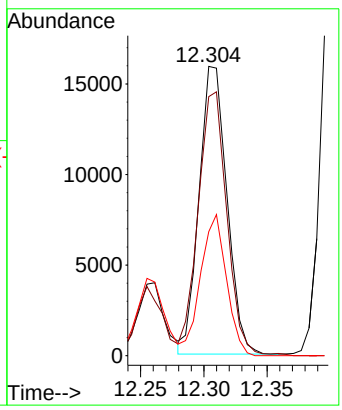


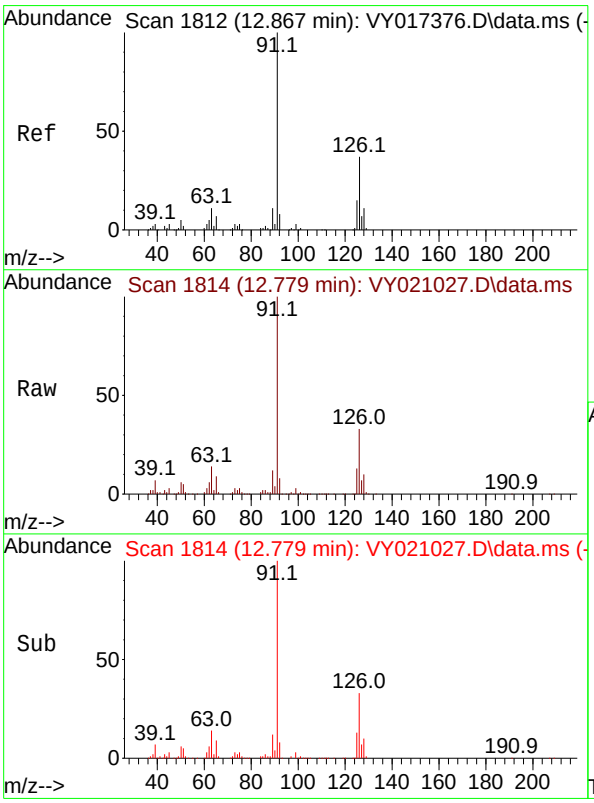
#81
trans-1,4-Dichloro-2-butene
Concen: 48.841 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 75 Resp: 24332

Ion	Ratio	Lower	Upper
75	100		
53	94.8	74.0	111.0
89	45.9	36.5	54.7

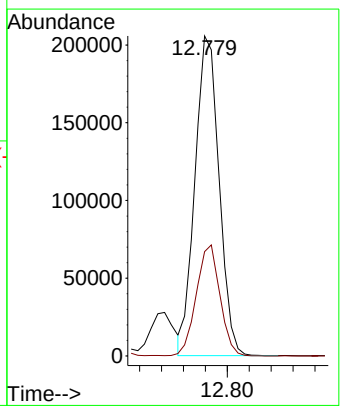


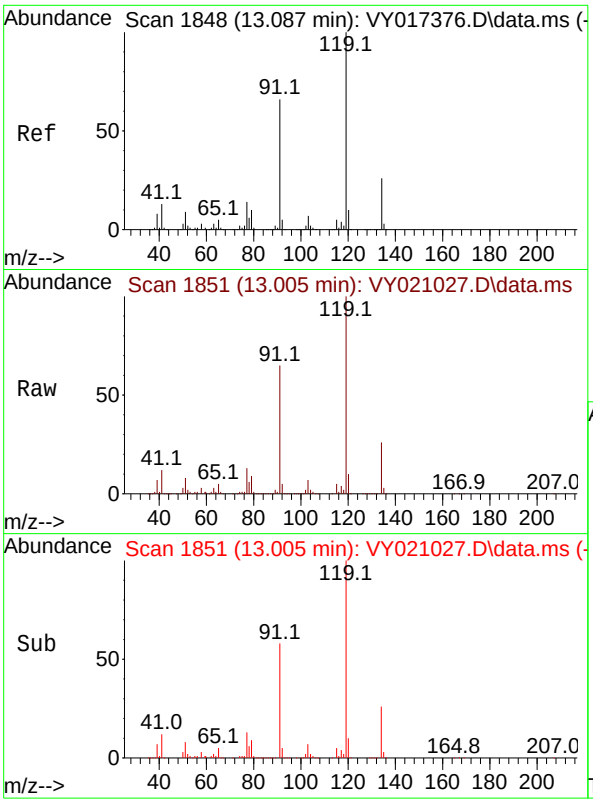


#82
4-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 313949

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.1	51.2



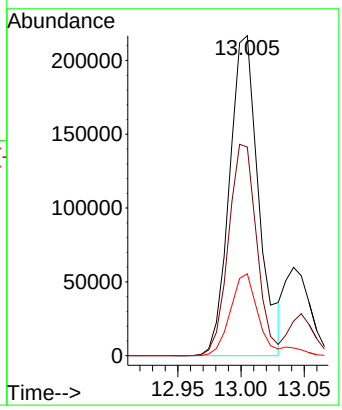


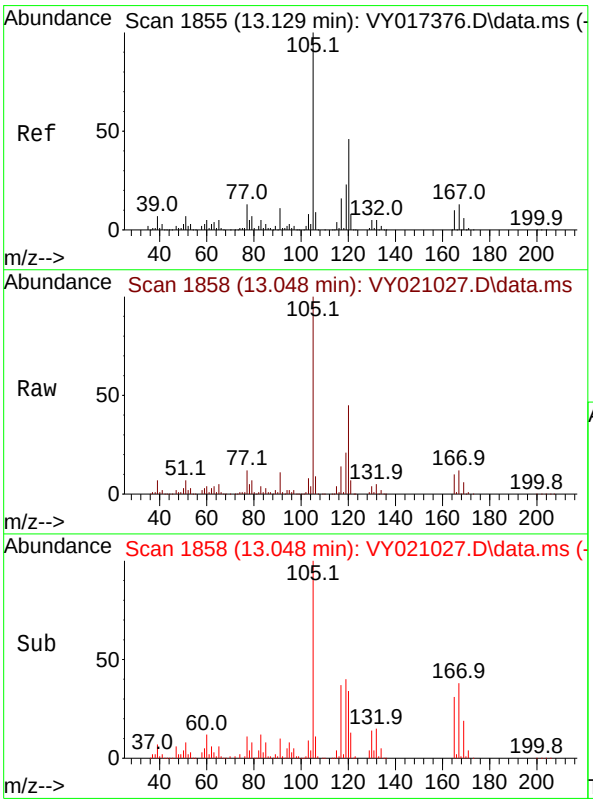
#83
tert-Butylbenzene
Concen: 53.952 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:119 Resp: 348046

Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.5	94.5
134	25.9	13.1	39.3

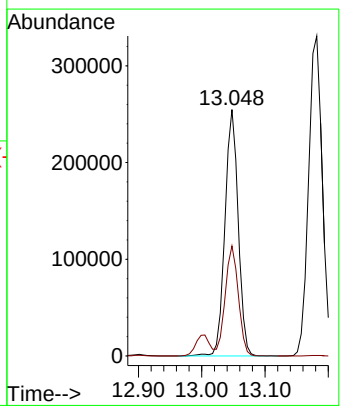


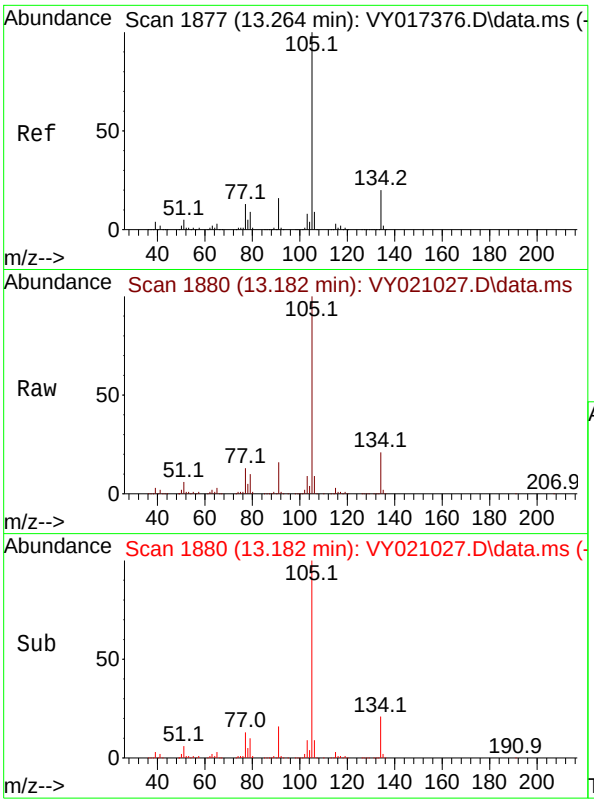


#84
1,2,4-Trimethylbenzene
Concen: 53.370 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 370353

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3



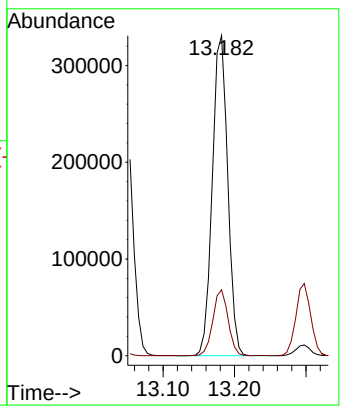


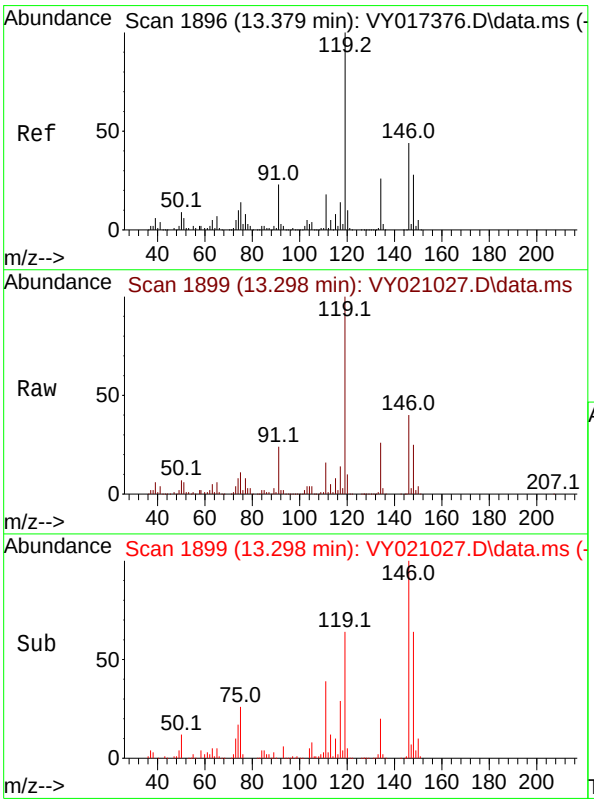
#85
sec-Butylbenzene
Concen: 53.301 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:105 Resp: 494957

Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.7	28.9

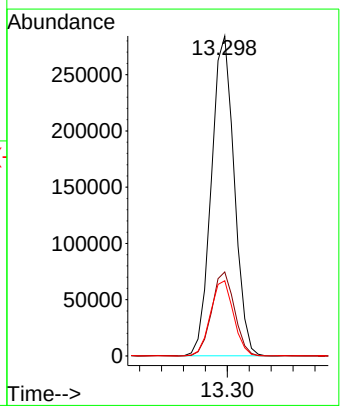


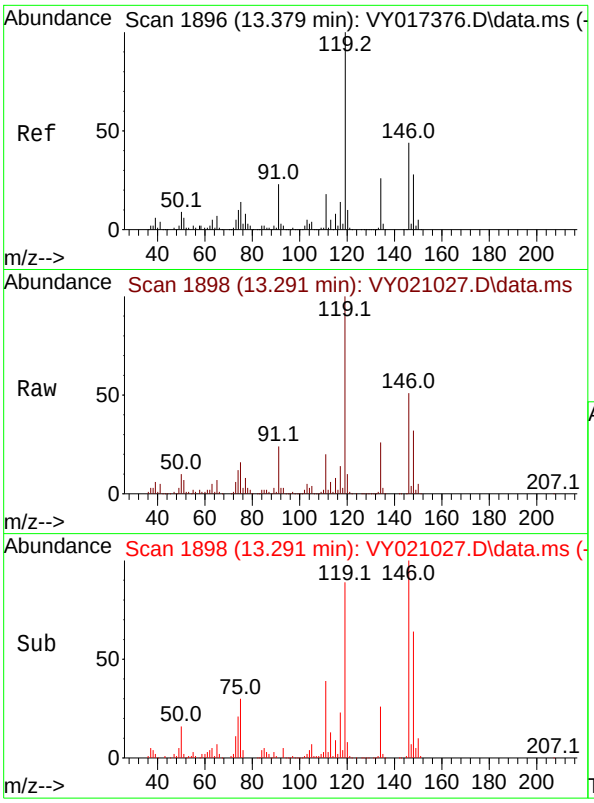


#86
p-Isopropyltoluene
Concen: 53.325 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 411332

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.7	11.7	35.0



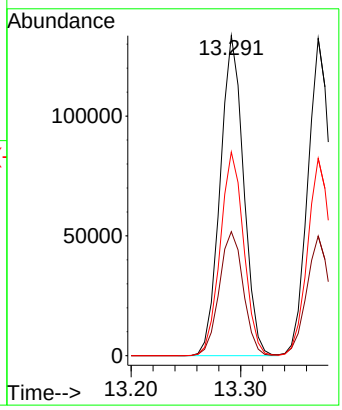


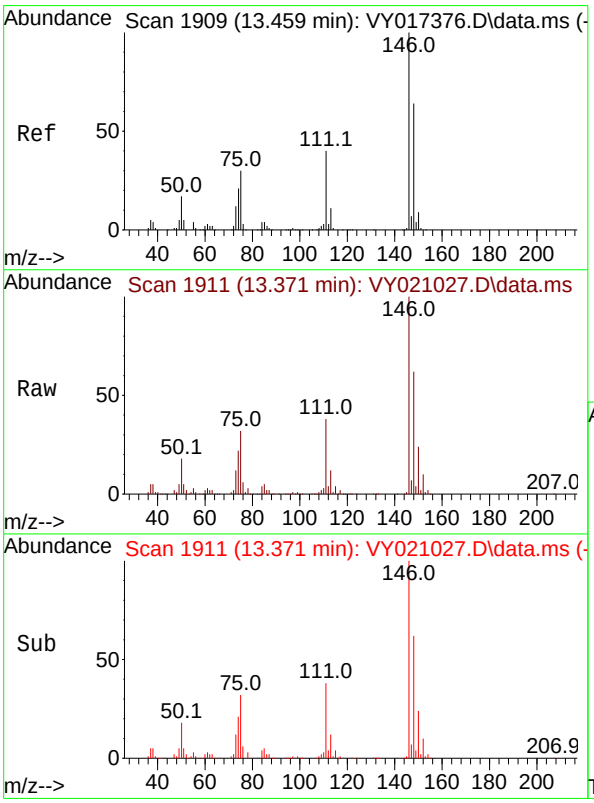
#87
1,3-Dichlorobenzene
Concen: 50.868 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:146 Resp: 198405

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.5
148	63.8	31.9	95.9

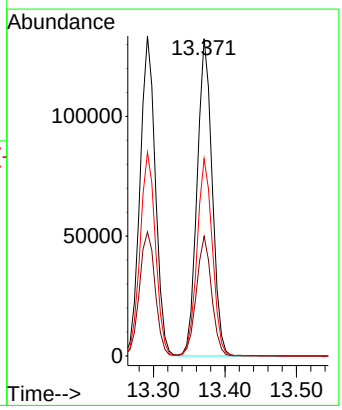


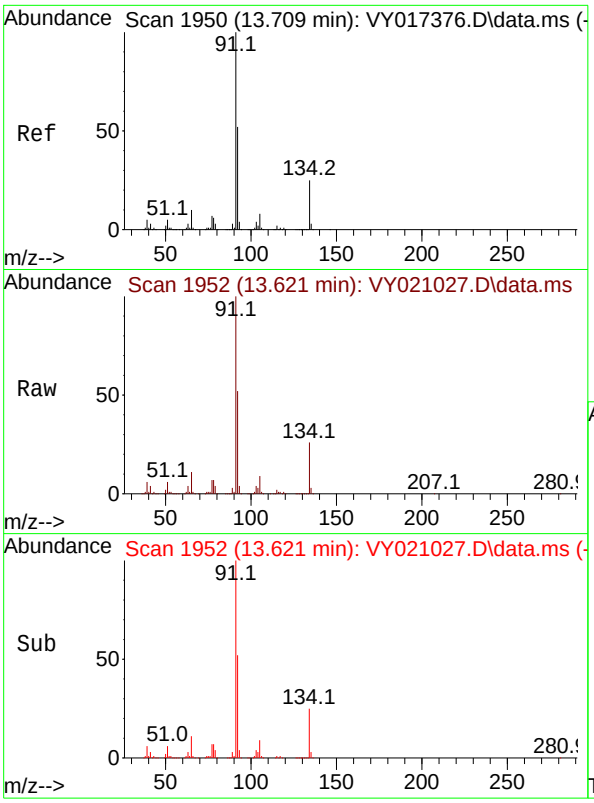


#88
1,4-Dichlorobenzene
Concen: 50.309 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 193207

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.4	31.6	94.7



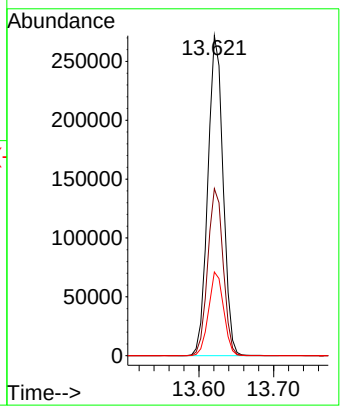


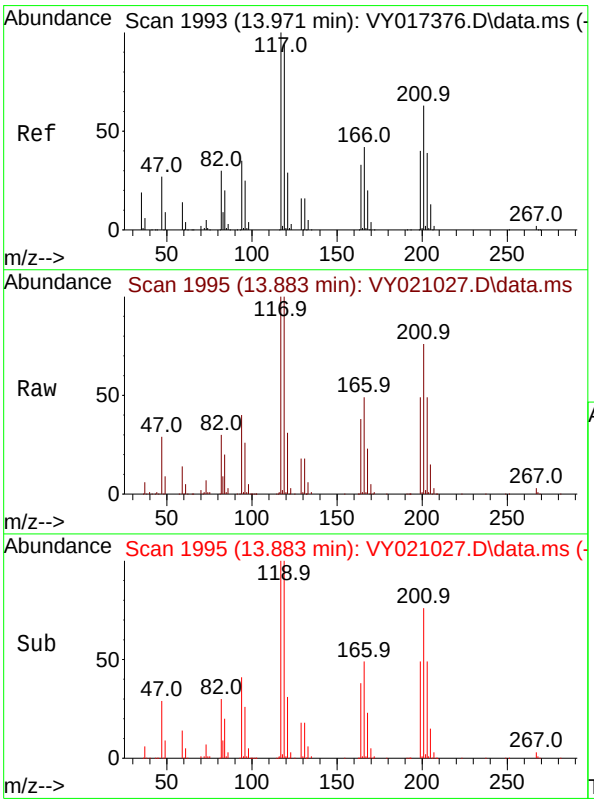
#89
n-Butylbenzene
Concen: 54.636 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion: 91 Resp: 384473

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	25.9	12.3	36.8

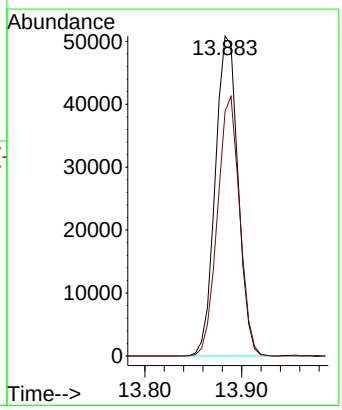


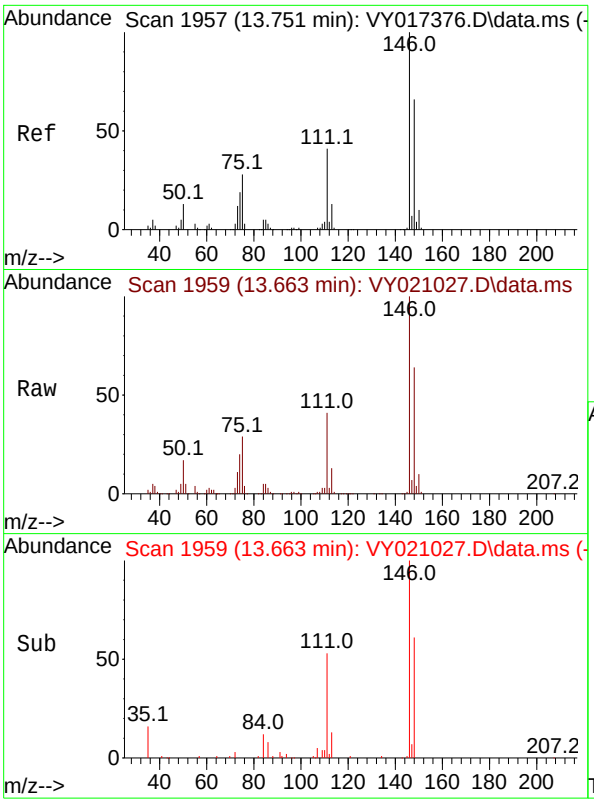


#90
Hexachloroethane
Concen: 51.521 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 82908

Ion	Ratio	Lower	Upper
117	100		
201	79.2	33.4	100.1



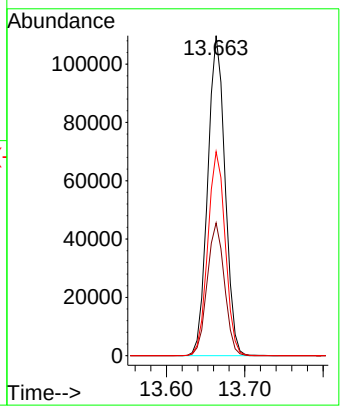


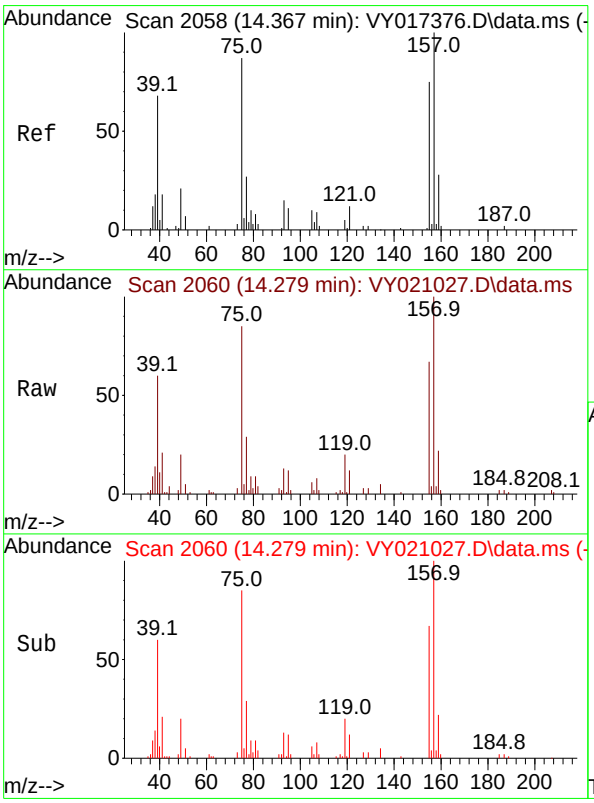
#91
1,2-Dichlorobenzene
Concen: 49.696 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:146 Resp: 168238

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	64.3	31.4	94.3

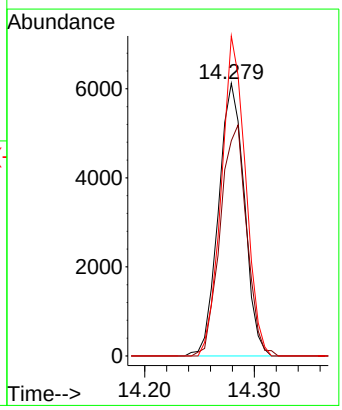


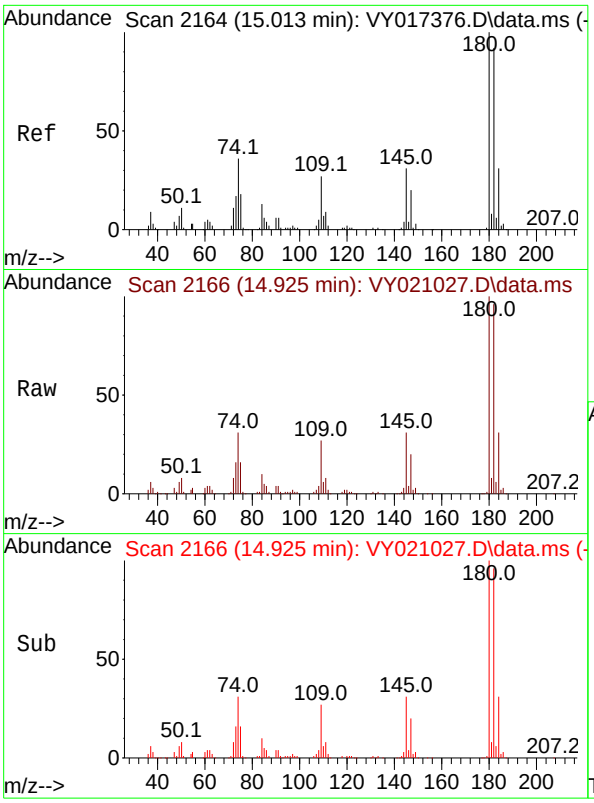


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.965 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 10000

Ion	Ratio	Lower	Upper
75	100		
155	86.6	42.1	126.3
157	109.8	55.8	167.4



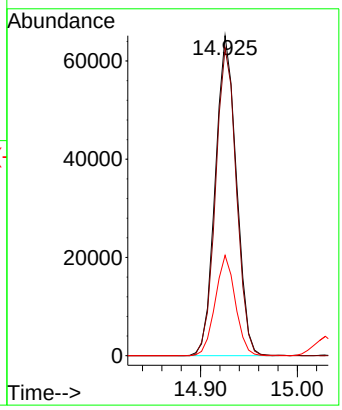


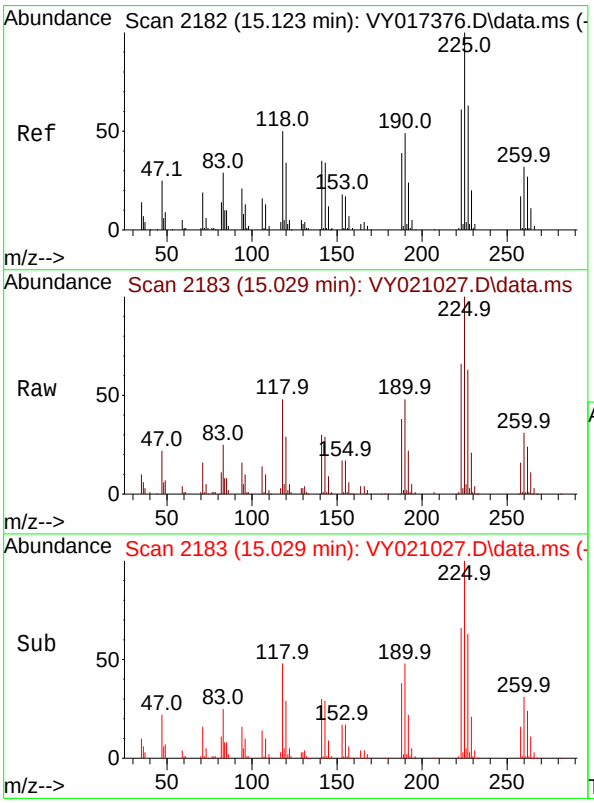
#93
1,2,4-Trichlorobenzene
Concen: 52.224 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:180 Resp: 98409

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	29.9	15.9	47.7

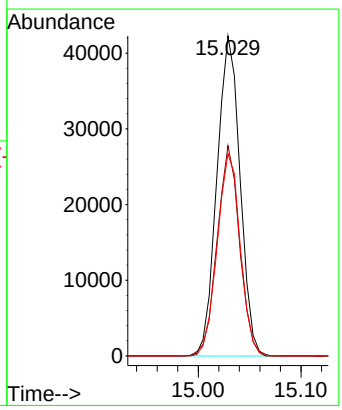


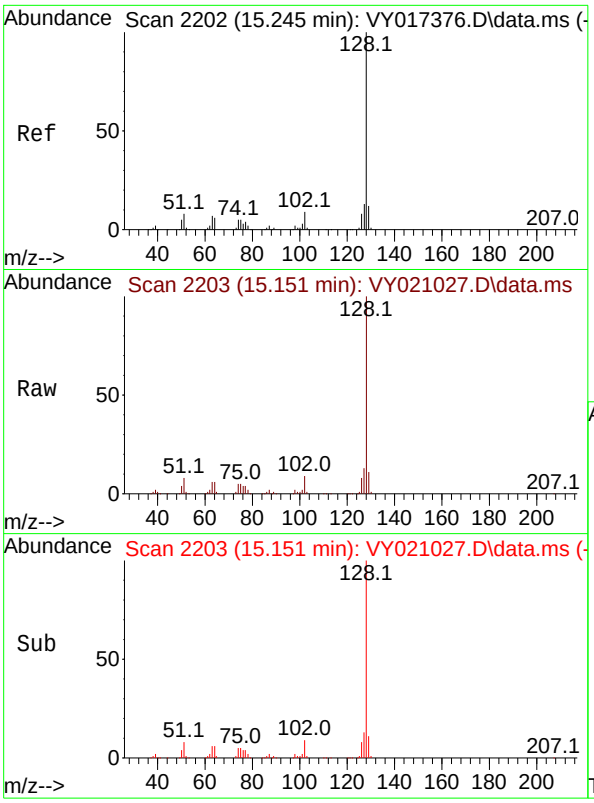


#94
Hexachlorobutadiene
Concen: 52.760 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:225 Resp: 65883

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.3
227	63.0	32.3	96.8



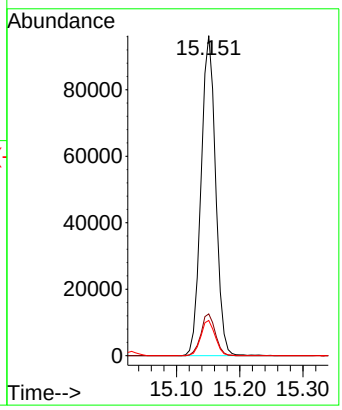


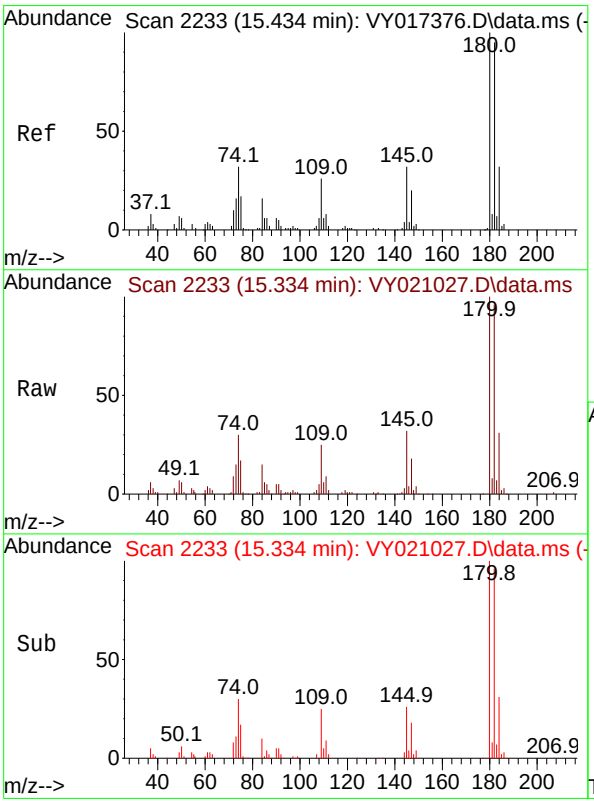
#95
Naphthalene
Concen: 51.245 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY020325

Tgt Ion:128 Resp: 154493

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	12.8

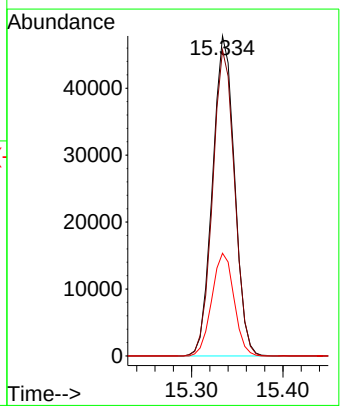




#96
1,2,3-Trichlorobenzene
Concen: 50.882 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 79793

Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.3	138.8
145	32.5	16.1	48.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	200462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	311138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	266562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	126814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	94135	45.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.660%			
35) Dibromofluoromethane	7.646	113	93179	46.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.460%			
50) Toluene-d8	10.115	98	340426	44.845	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.680%			
62) 4-Bromofluorobenzene	12.414	95	117047	47.196	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	77551	43.405	ug/l	98
3) Chloromethane	2.074	50	86476	49.049	ug/l	97
4) Vinyl Chloride	2.214	62	93493	52.685	ug/l	97
5) Bromomethane	2.611	94	53715	48.974	ug/l	97
6) Chloroethane	2.745	64	57311	54.253	ug/l	99
7) Trichlorofluoromethane	3.068	101	161473	49.946	ug/l	97
8) Diethyl Ether	3.464	74	52022	51.545	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	98042	48.319	ug/l	96
10) Methyl Iodide	4.019	142	110553	49.042	ug/l	93
11) Tert butyl alcohol	4.903	59	31554	226.709	ug/l #	89
12) 1,1-Dichloroethene	3.805	96	91137	47.682	ug/l	92
13) Acrolein	3.665	56	38701	180.571	ug/l	99
14) Allyl chloride	4.397	41	164021	50.917	ug/l	95
15) Acrylonitrile	5.080	53	106975	254.538	ug/l	99
16) Acetone	3.891	43	83071	259.354	ug/l	99
17) Carbon Disulfide	4.122	76	255144	42.570	ug/l	99
18) Methyl Acetate	4.403	43	60873	54.139	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	250004	51.750	ug/l	96
20) Methylene Chloride	4.628	84	98938	49.688	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	100860	47.939	ug/l	94
22) Diisopropyl ether	6.031	45	349042	52.568	ug/l	98
23) Vinyl Acetate	5.976	43	959119	259.121	ug/l	99
24) 1,1-Dichloroethane	5.927	63	195868	50.349	ug/l	98
25) 2-Butanone	6.909	43	135277	257.014	ug/l	98
26) 2,2-Dichloropropane	6.902	77	178662	49.635	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	120858	49.906	ug/l	92
28) Bromochloromethane	7.256	49	78475	51.015	ug/l	98
29) Tetrahydrofuran	7.280	42	90325	253.611	ug/l	95
30) Chloroform	7.433	83	200620	50.208	ug/l	99
31) Cyclohexane	7.713	56	162999	46.529	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	185557	49.948	ug/l	100
36) 1,1-Dichloropropene	7.847	75	142250	48.164	ug/l	99
37) Ethyl Acetate	7.000	43	66109	51.024	ug/l	99
38) Carbon Tetrachloride	7.829	117	167388	48.505	ug/l	99
39) Methylcyclohexane	9.122	83	180580	49.986	ug/l	96
40) Benzene	8.091	78	424435	48.970	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.238	41	38118	50.853 ug/l	94
42) 1,2-Dichloroethane	8.170	62	119521	49.711 ug/l	97
43) Isopropyl Acetate	8.207	43	135143	52.494 ug/l #	84
44) Trichloroethene	8.878	130	109079	48.712 ug/l	96
45) 1,2-Dichloropropane	9.152	63	105592	51.328 ug/l	96
46) Dibromomethane	9.237	93	55920	49.095 ug/l	96
47) Bromodichloromethane	9.432	83	154682	50.636 ug/l	97
48) Methyl methacrylate	9.231	41	63766	54.376 ug/l	94
49) 1,4-Dioxane	9.250	88	11020	1039.289 ug/l	92
51) 4-Methyl-2-Pentanone	10.006	43	338455	261.432 ug/l	98
52) Toluene	10.182	92	270409	49.688 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	143554	52.336 ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	167429	51.553 ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	73589	49.892 ug/l	99
56) Ethyl methacrylate	10.444	69	106288	53.867 ug/l #	89
57) 1,3-Dichloropropane	10.725	76	132165	51.769 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	290576	309.543 ug/l	99
59) 2-Hexanone	10.768	43	223757	268.437 ug/l	96
60) Dibromochloromethane	10.920	129	105589	50.976 ug/l	85
61) 1,2-Dibromoethane	11.024	107	67805	49.079 ug/l	99
64) Tetrachloroethene	10.658	164	94893	47.954 ug/l	96
65) Chlorobenzene	11.450	112	295517	49.788 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	105626	50.076 ug/l	98
67) Ethyl Benzene	11.530	91	530991	50.579 ug/l	99
68) m/p-Xylenes	11.639	106	391171	99.601 ug/l	96
69) o-Xylene	11.962	106	188775	51.555 ug/l	98
70) Styrene	11.981	104	315025	51.620 ug/l	98
71) Bromoform	12.145	173	58498	49.825 ug/l #	99
73) Isopropylbenzene	12.261	105	525075	53.006 ug/l	85
74) N-amyl acetate	12.078	43	117988	54.480 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.517	83	81571	49.512 ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	109182	94.911 ug/l #	100
77) Bromobenzene	12.542	156	112364	49.154 ug/l	96
78) n-propylbenzene	12.603	91	605704	51.330 ug/l	99
79) 2-Chlorotoluene	12.688	91	341745	50.565 ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	406625	50.629 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	119661	212.252 ug/l #	48
82) 4-Chlorotoluene	12.786	91	373956	54.307 ug/l	95
83) tert-Butylbenzene	13.005	119	371033	50.825 ug/l	95
84) 1,2,4-Trimethylbenzene	13.054	105	405711	51.664 ug/l	100
85) sec-Butylbenzene	13.182	105	547941	52.143 ug/l	99
86) p-Isopropyltoluene	13.298	119	451592	51.734 ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	220193	49.887 ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	214096	49.263 ug/l	100
89) n-Butylbenzene	13.627	91	426856	53.602 ug/l	99
90) Hexachloroethane	13.889	117	93847	51.535 ug/l	86
91) 1,2-Dichlorobenzene	13.669	146	190520	49.731 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12977	52.711 ug/l	97
93) 1,2,4-Trichlorobenzene	14.931	180	115371	54.103 ug/l	99
94) Hexachlorobutadiene	15.035	225	73405	51.945 ug/l	100
95) Naphthalene	15.157	128	194341	56.964 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	94833	53.438 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

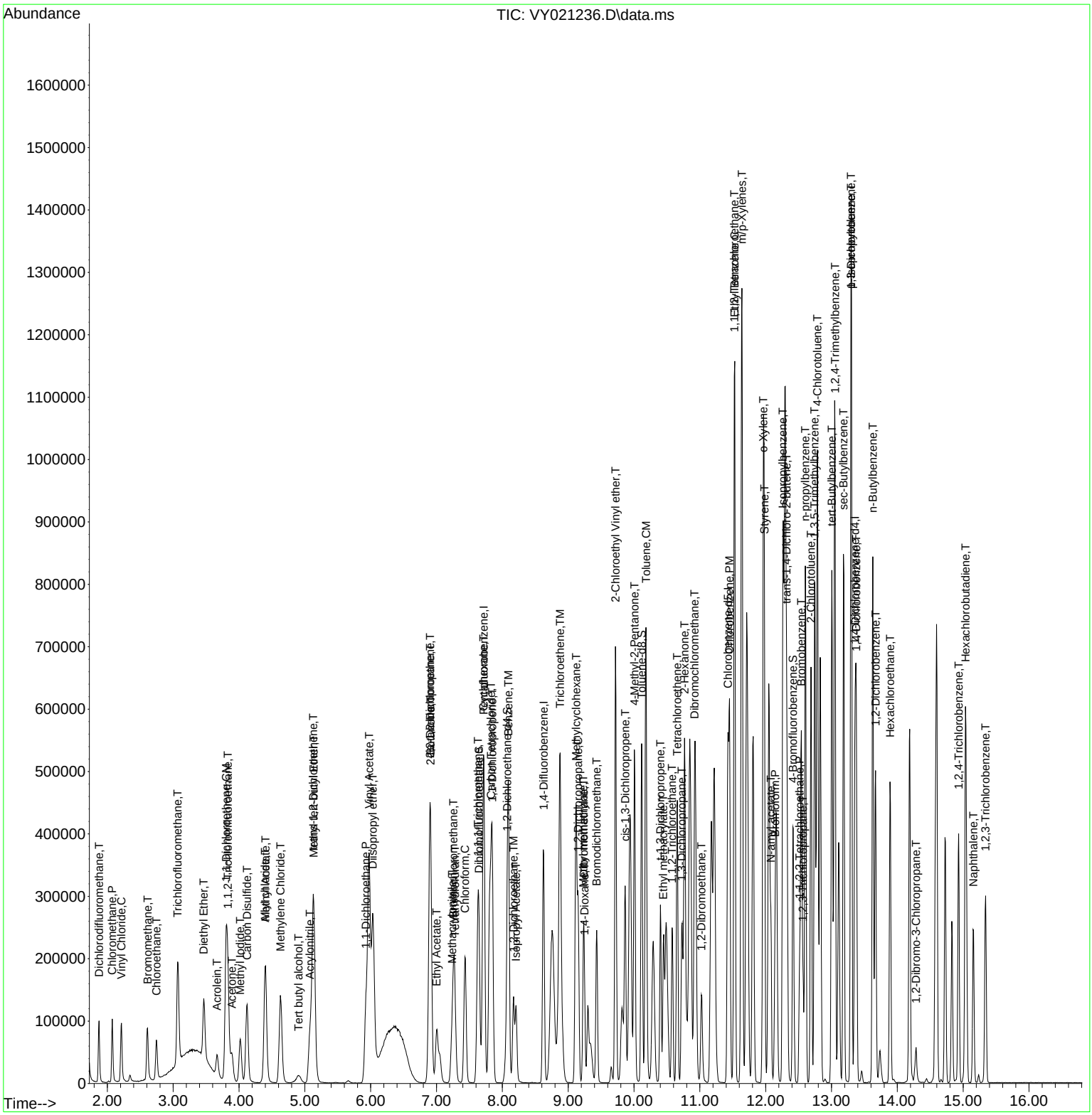
(#) = qualifier out of range (m) = manual integration (+) = signals summed

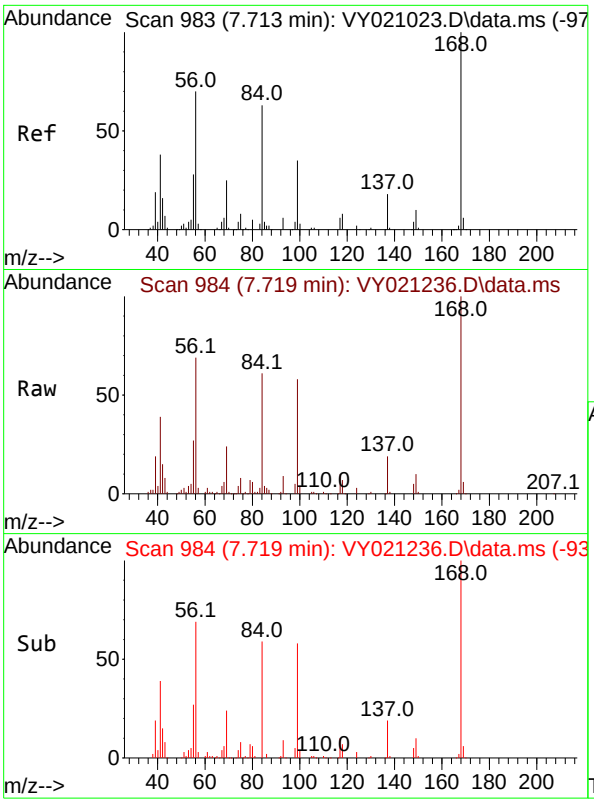
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



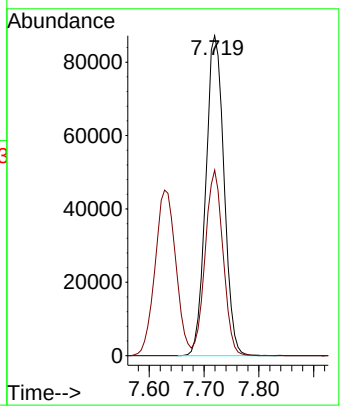


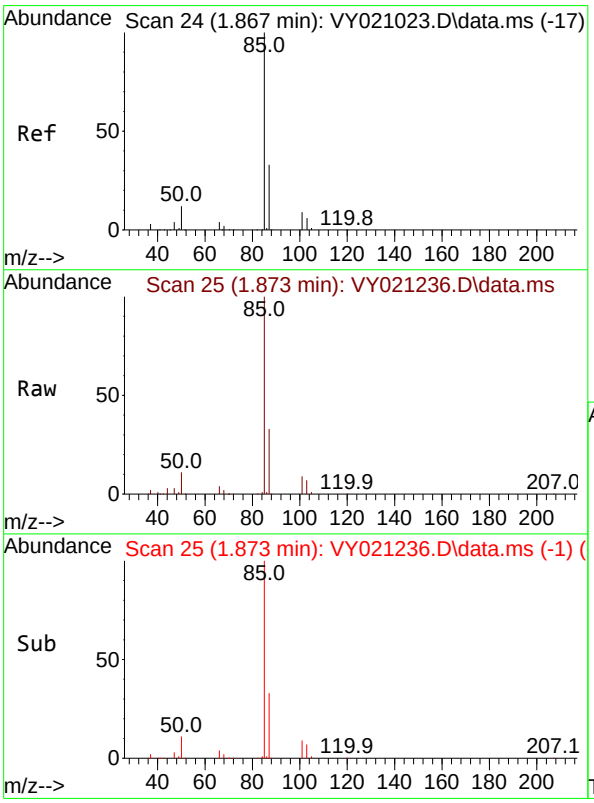
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 200462

Ion	Ratio	Lower	Upper
168	100		
99	57.9	44.2	66.4

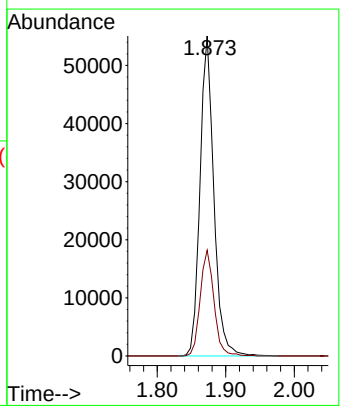


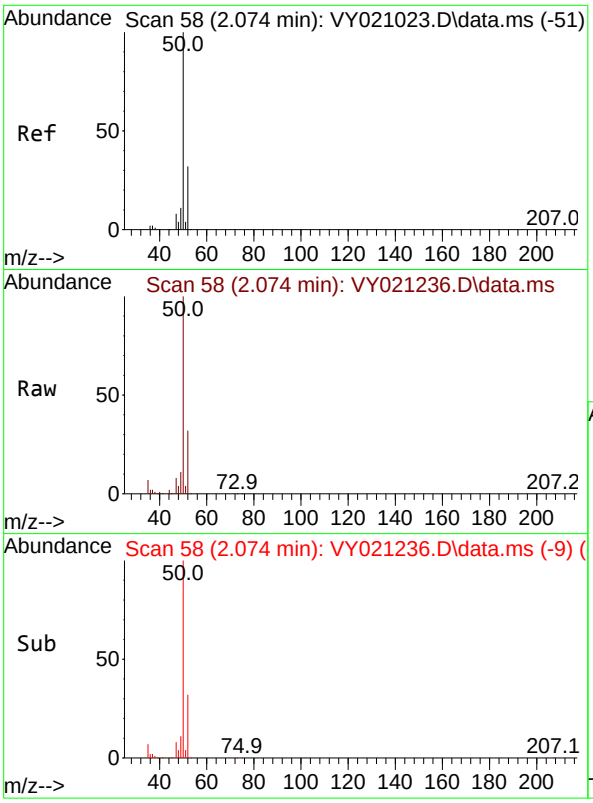


#2
Dichlorodifluoromethane
Concen: 43.405 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 85 Resp: 77551

Ion	Ratio	Lower	Upper
85	100		
87	33.1	17.1	51.3



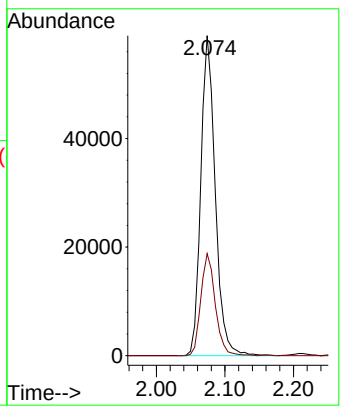


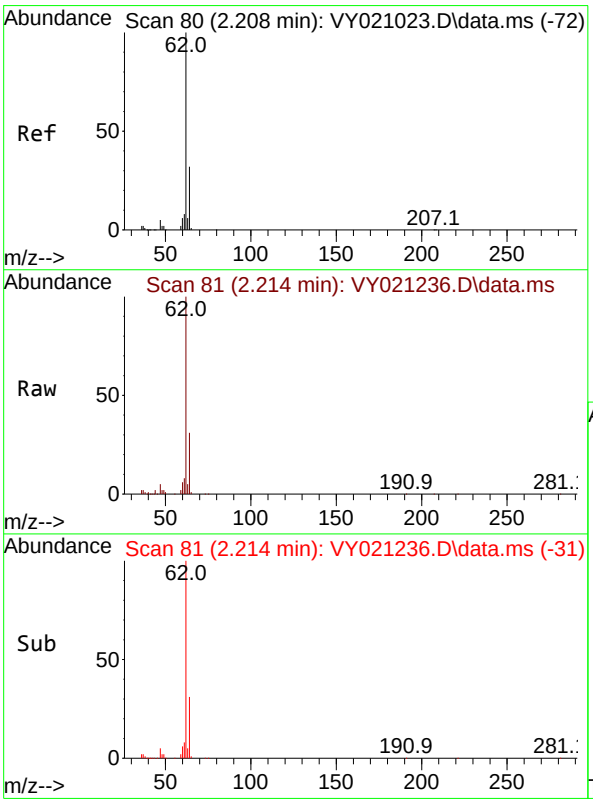
#3
Chloromethane
Concen: 49.049 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 86476

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.7	40.1

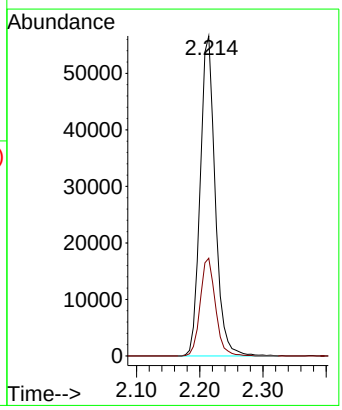


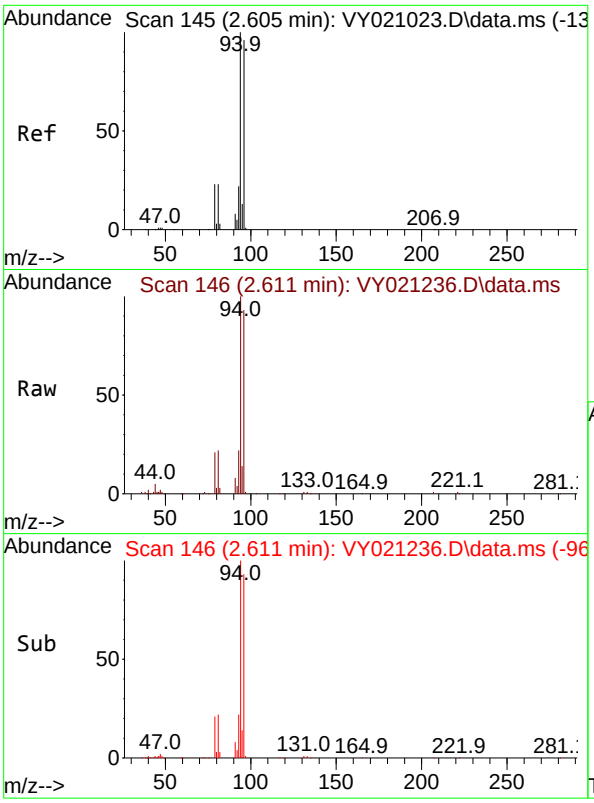


#4
Vinyl Chloride
Concen: 52.685 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 93493

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.7	38.5



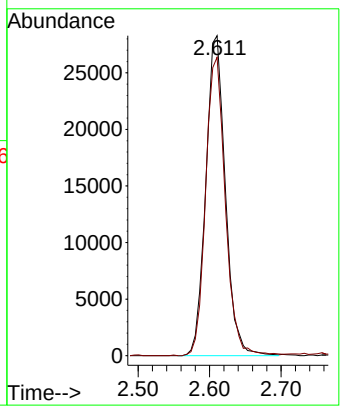


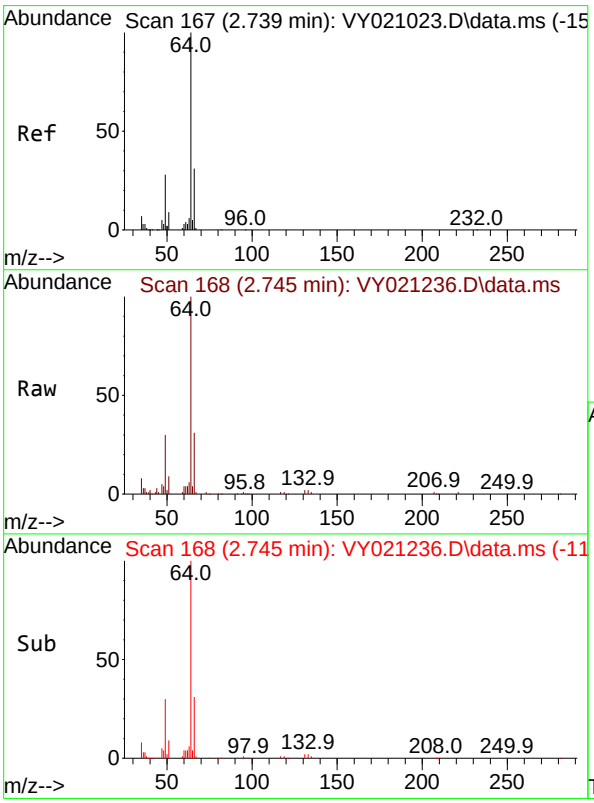
#5
Bromomethane
Concen: 48.974 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 53715

Ion	Ratio	Lower	Upper
94	100		
96	93.2	77.3	115.9

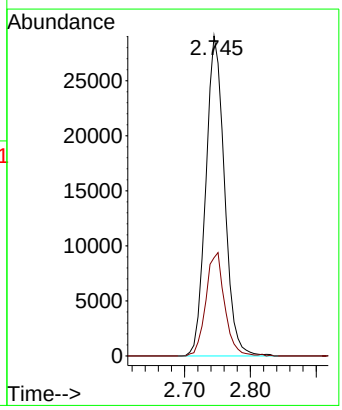


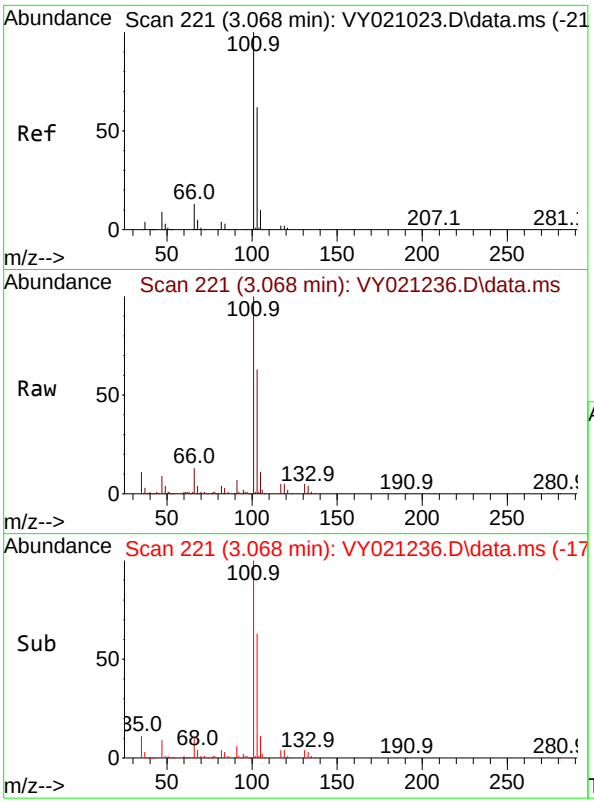


#6
Chloroethane
Concen: 54.253 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 64 Resp: 57311

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.1	37.7



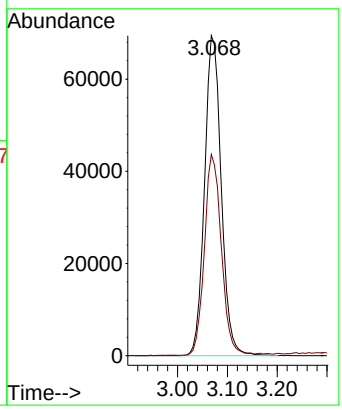


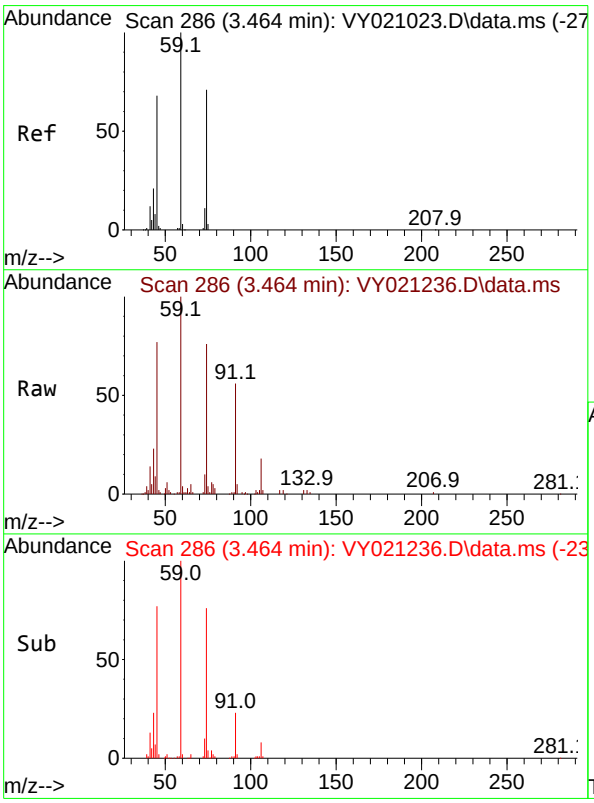
#7
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 161473

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.9	77.9

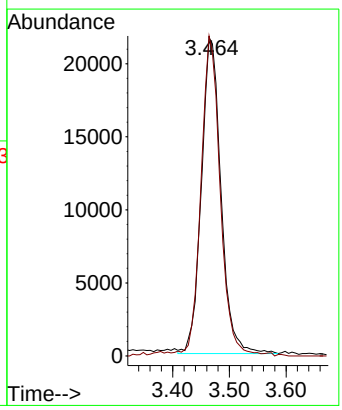


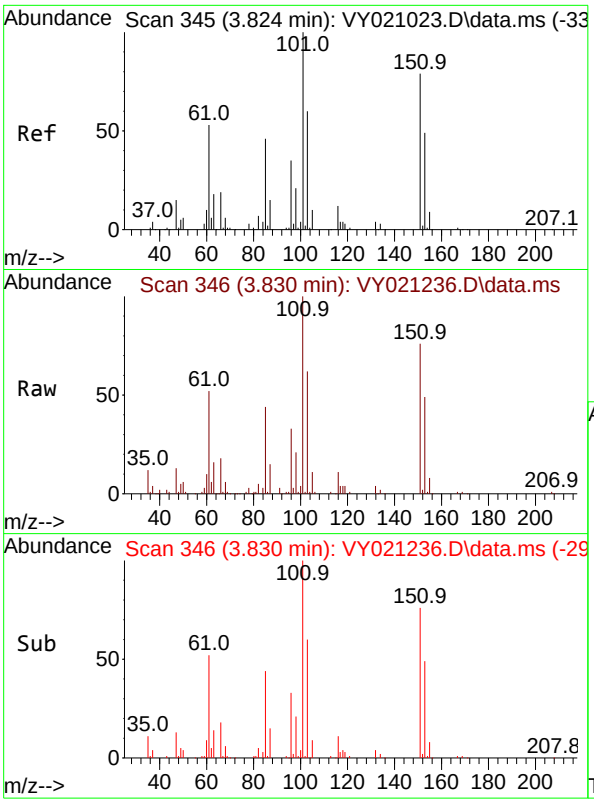


#8
Diethyl Ether
Concen: 51.545 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 74 Resp: 52022

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.9	143.7



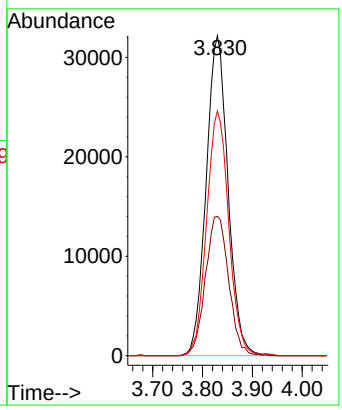


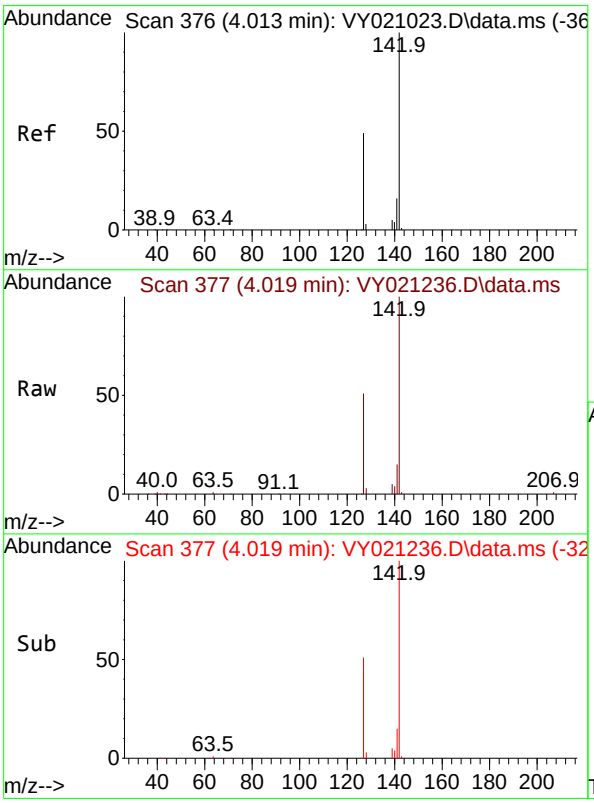
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.319 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 98042

Ion	Ratio	Lower	Upper
101	100		
85	46.4	35.8	53.6
151	77.5	58.6	88.0

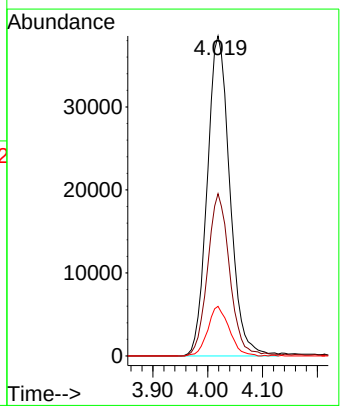


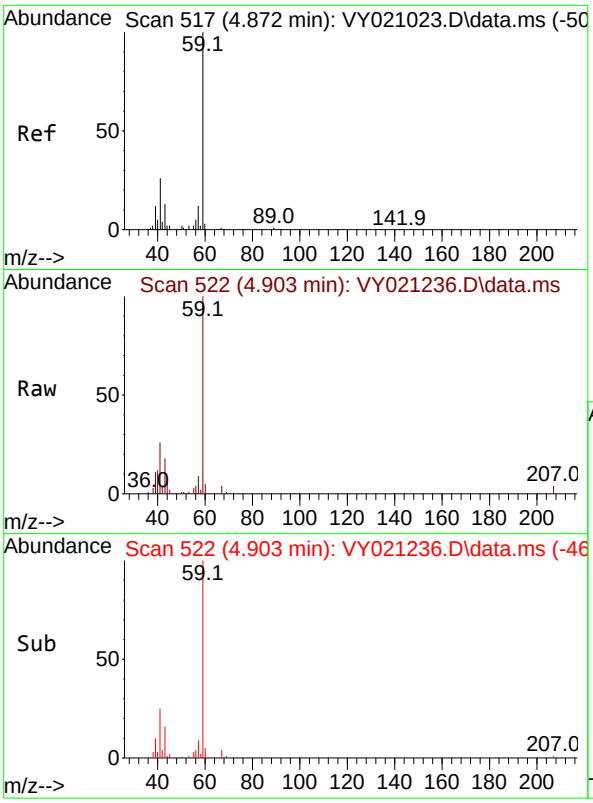


#10
Methyl Iodide
Concen: 49.042 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:142 Resp: 110553

Ion	Ratio	Lower	Upper
142	100		
127	49.6	35.1	52.7
141	14.7	11.8	17.6



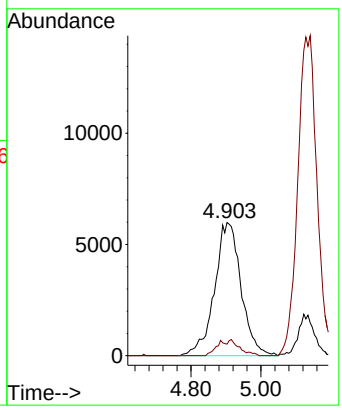


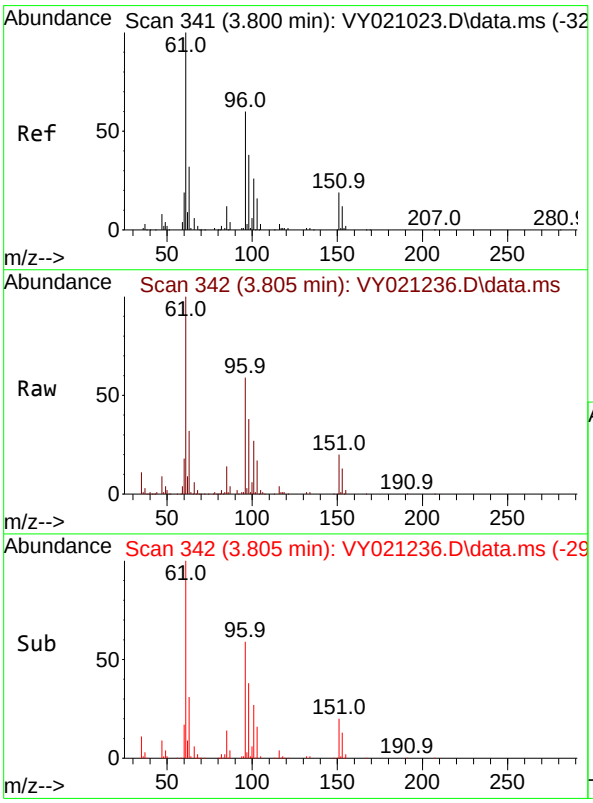
#11
Tert butyl alcohol
Concen: 226.709 ug/l
RT: 4.903 min Scan# 5
Delta R.T. 0.030 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 31554

Ion	Ratio	Lower	Upper
59	100		
57	5.1	7.4	11.0#

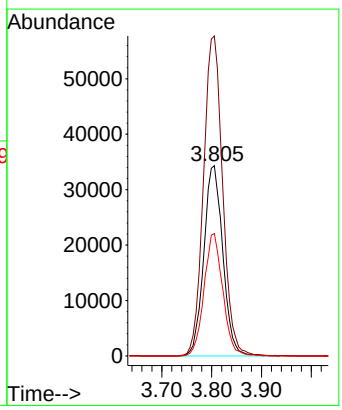


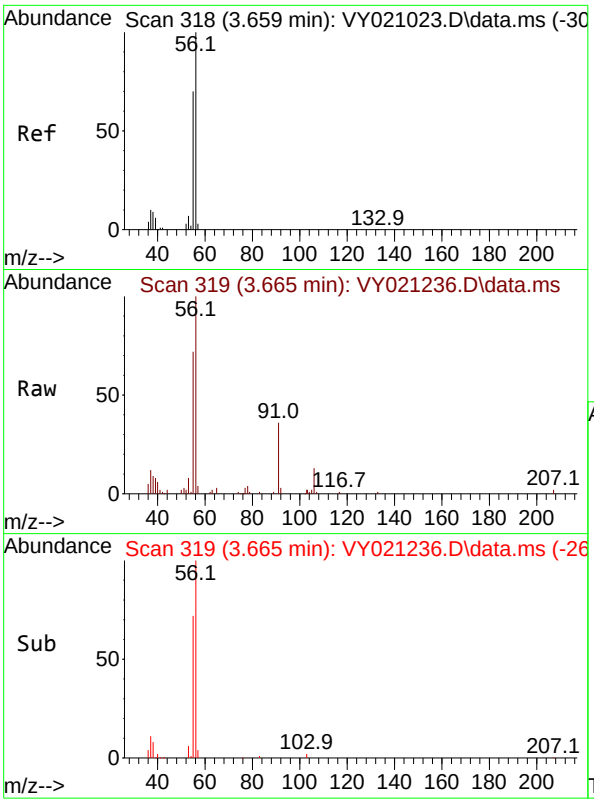


#12
1,1-Dichloroethene
Concen: 47.682 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 91137

Ion	Ratio	Lower	Upper
96	100		
61	168.2	124.2	186.2
98	64.4	52.6	79.0



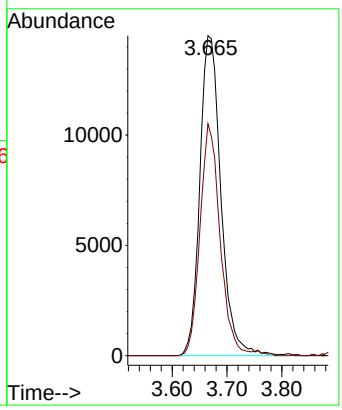


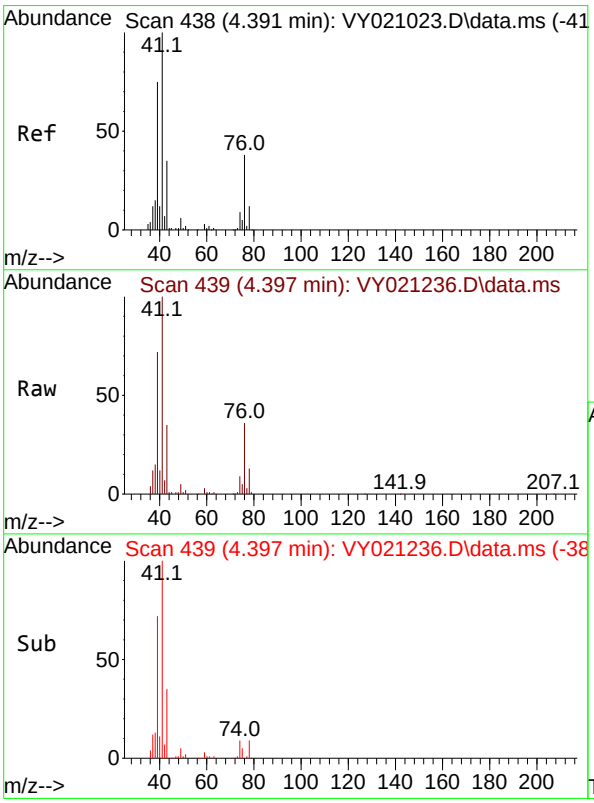
#13
Acrolein
Concen: 180.571 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 38701

Ion	Ratio	Lower	Upper
56	100		
55	68.7	55.4	83.0

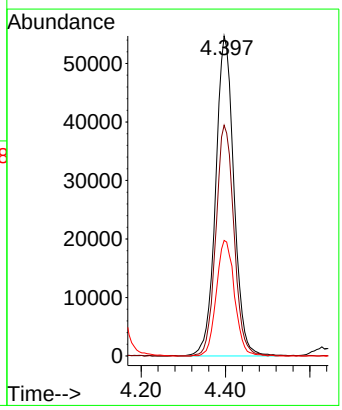


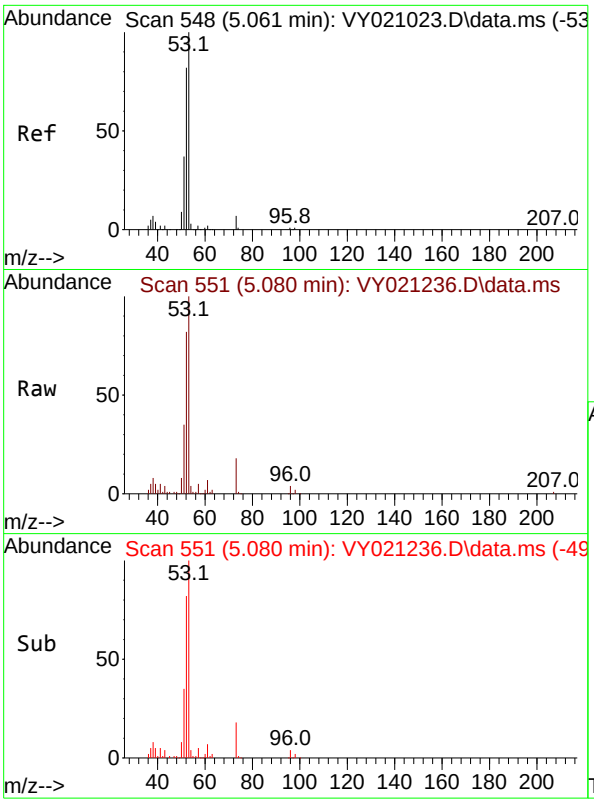


#14
Allyl chloride
Concen: 50.917 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 164021

Ion	Ratio	Lower	Upper
41	100		
39	71.5	54.7	82.1
76	35.9	31.8	47.6



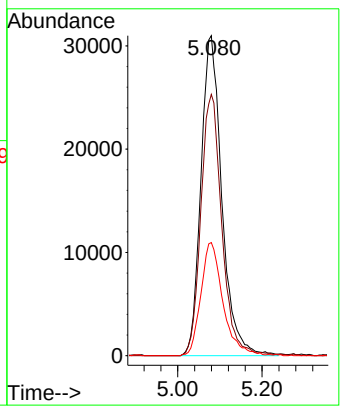


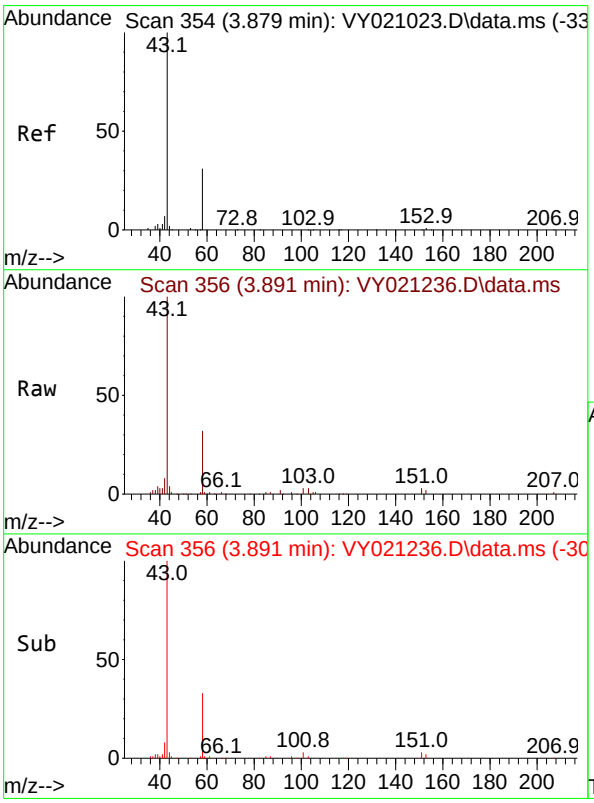
#15
Acrylonitrile
Concen: 254.538 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 106975

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.1	97.7
51	37.3	29.0	43.4

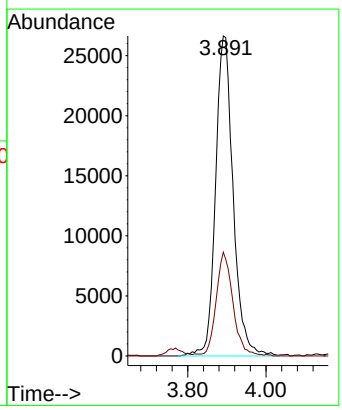


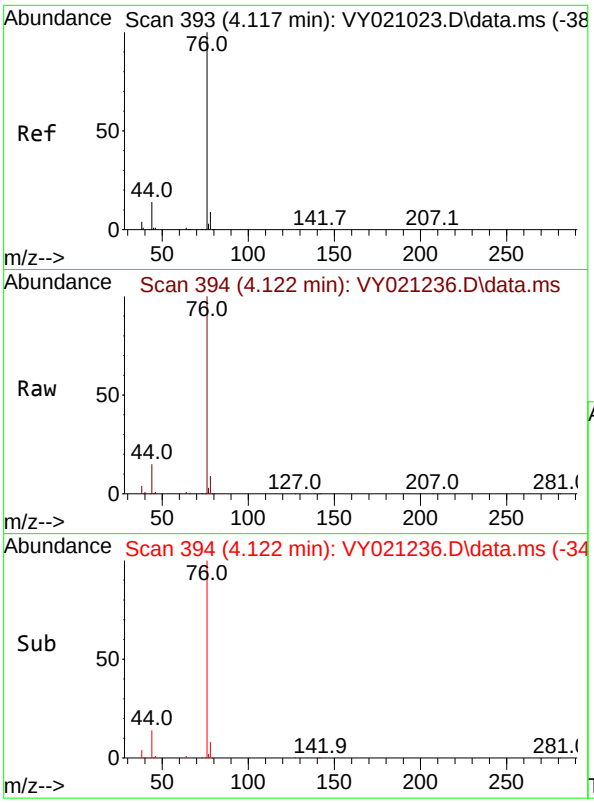


#16
Acetone
Concen: 259.354 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 83071

Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.6	39.8



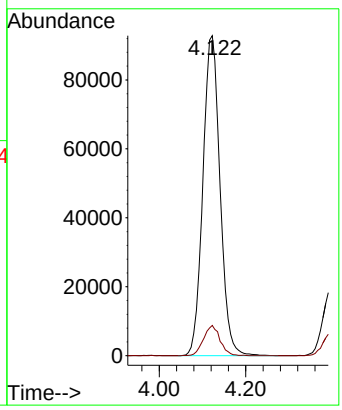


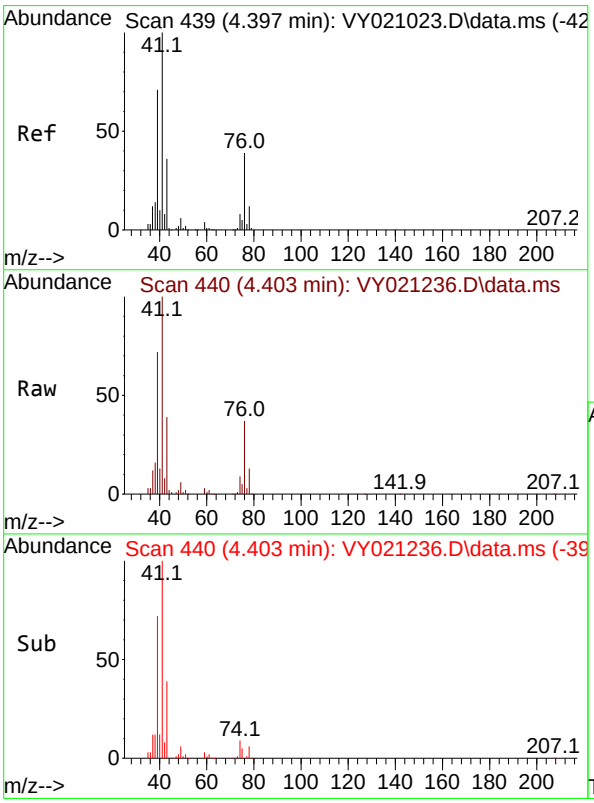
#17
Carbon Disulfide
Concen: 42.570 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 255144

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

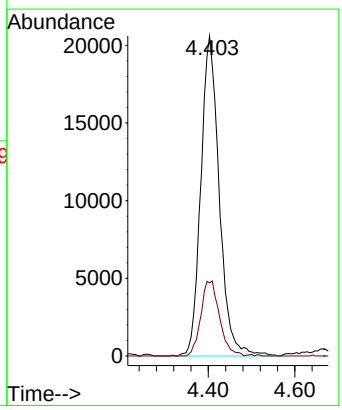


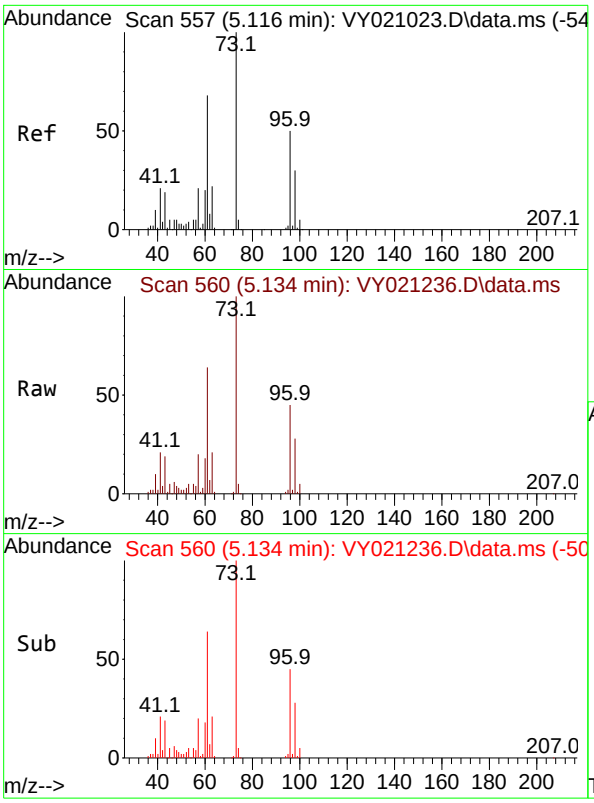


#18
Methyl Acetate
Concen: 54.139 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 60873

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.8	29.6



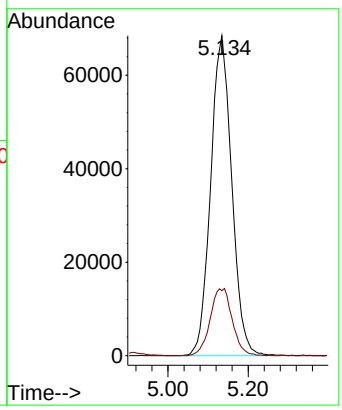


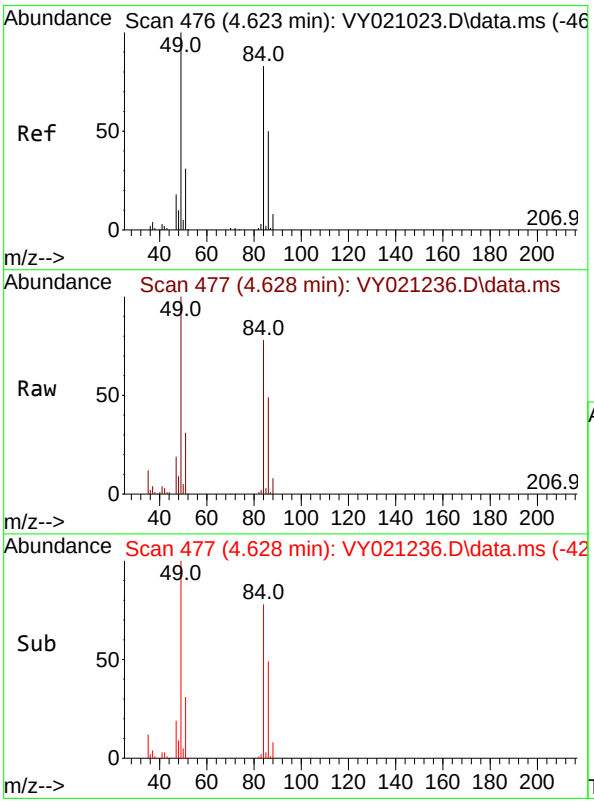
#19
Methyl tert-butyl Ether
Concen: 51.750 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 250004

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

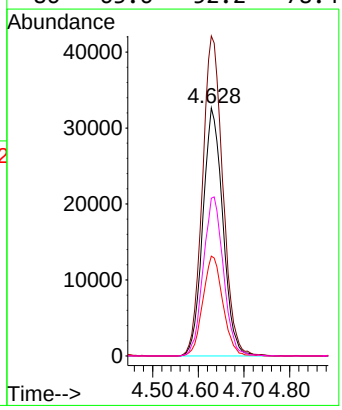


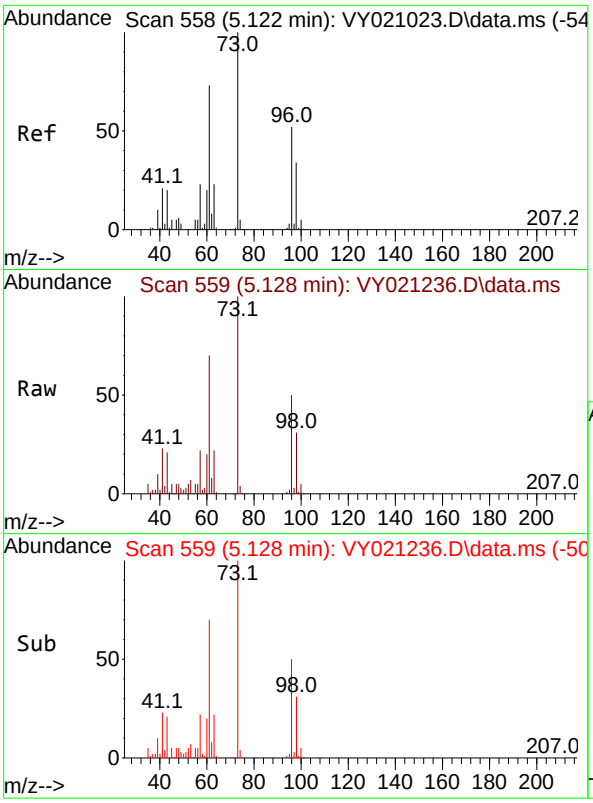


#20
Methylene Chloride
Concen: 49.688 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 84 Resp: 98938

Ion	Ratio	Lower	Upper
84	100		
49	129.0	95.2	142.8
51	40.3	29.9	44.9
86	63.6	52.2	78.4



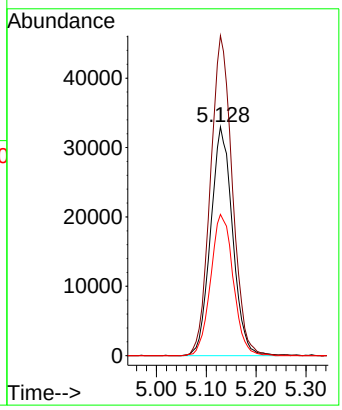


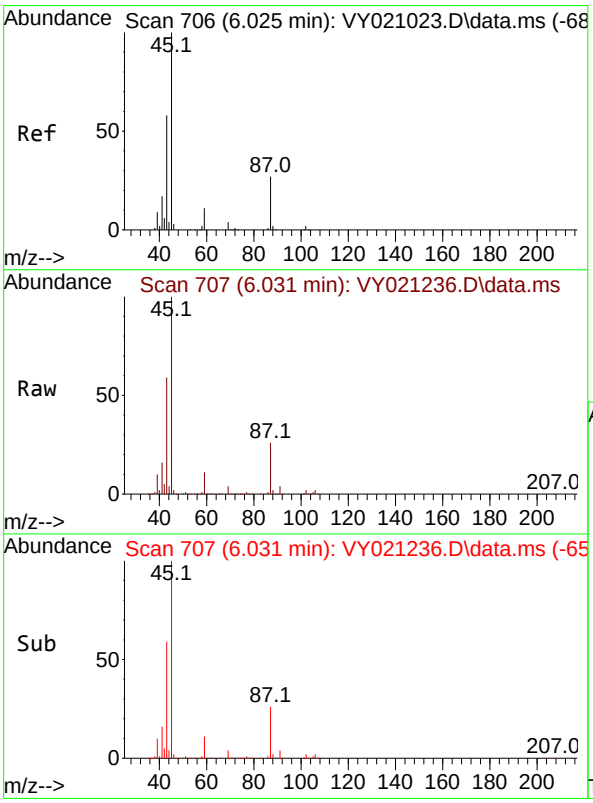
#21
trans-1,2-Dichloroethene
Concen: 47.939 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 100860

Ion	Ratio	Lower	Upper
96	100		
61	139.9	104.6	156.8
98	61.7	50.9	76.3

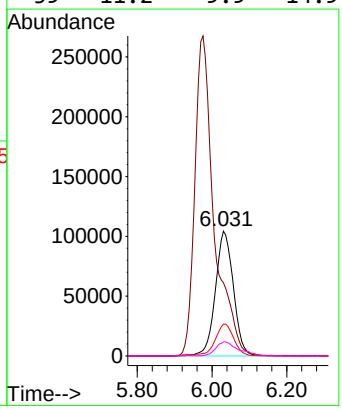


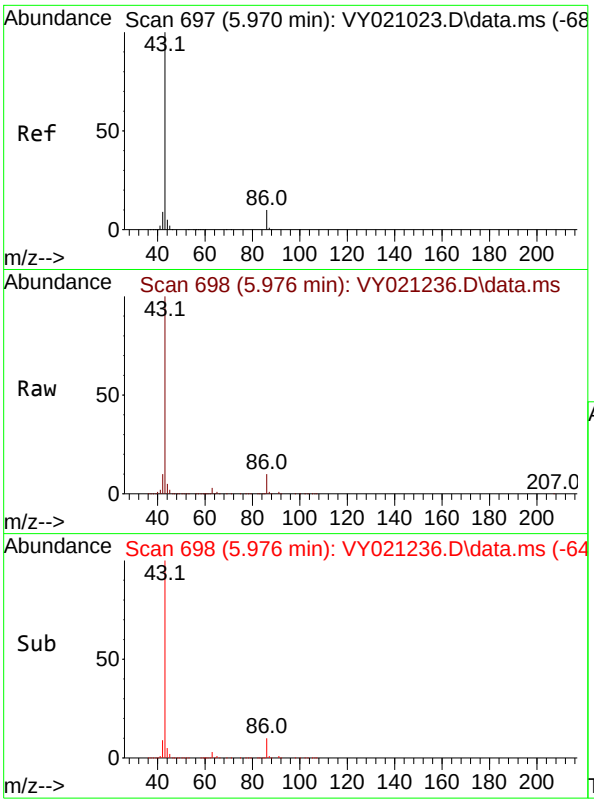


#22
Diisopropyl ether
Concen: 52.568 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 45 Resp: 349042

Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.8	70.2
87	25.5	22.2	33.2
59	11.2	9.9	14.9



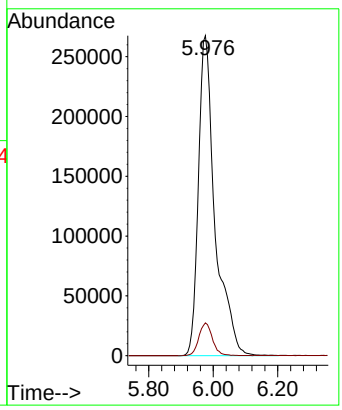


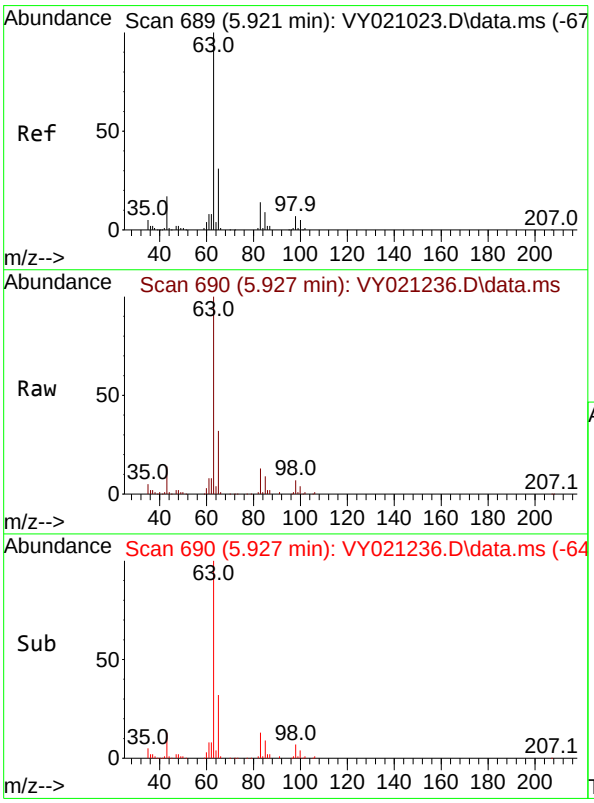
#23
Vinyl Acetate
Concen: 259.121 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 959119

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.6	13.0

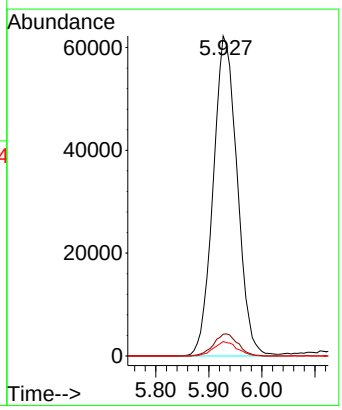


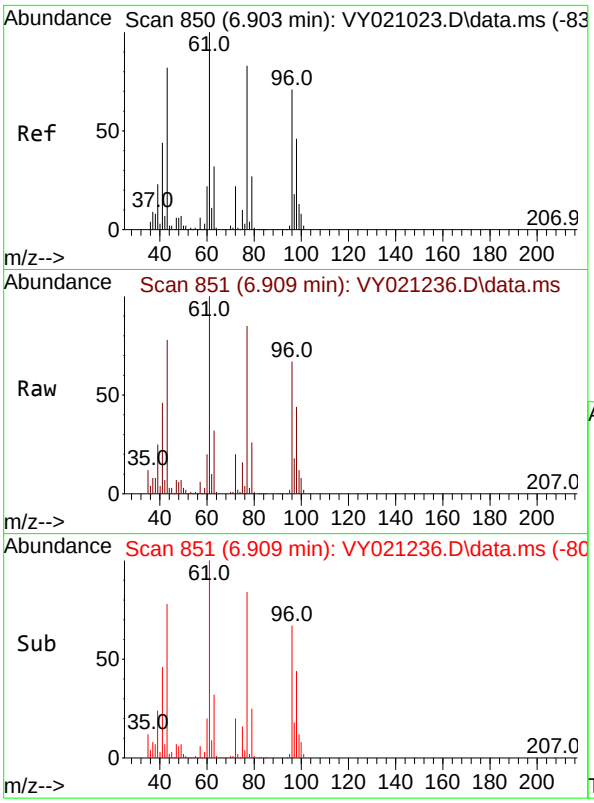


#24
1,1-Dichloroethane
Concen: 50.349 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 195868

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.4
100	4.5	2.1	6.2



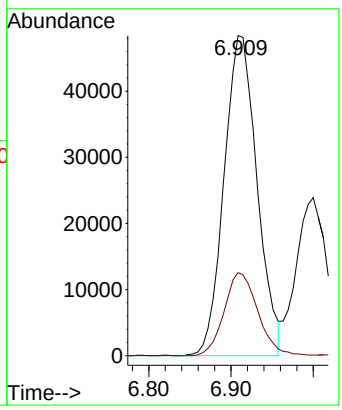


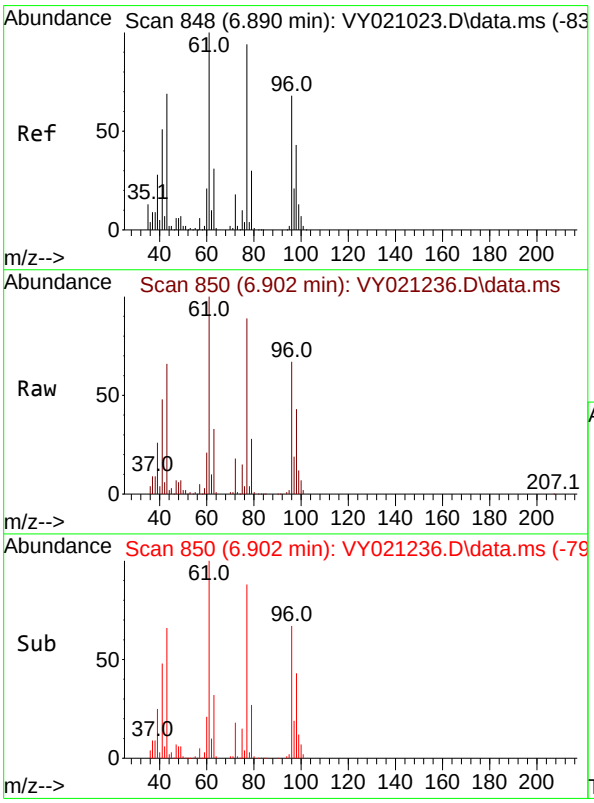
#25
2-Butanone
Concen: 257.014 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 135277

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2

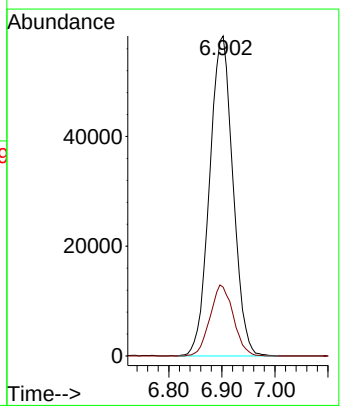


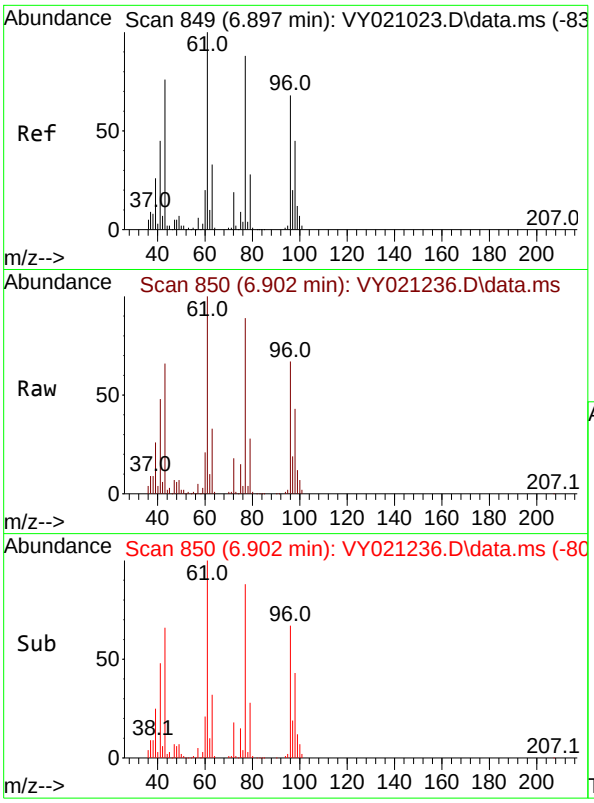


#26
2,2-Dichloropropane
Concen: 49.635 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 77 Resp: 178662

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.7	35.0



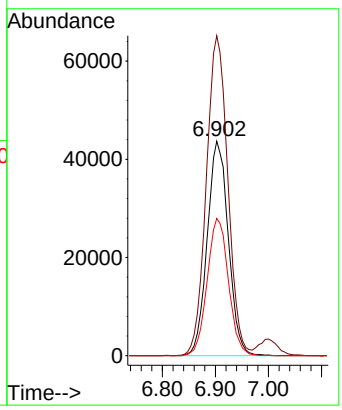


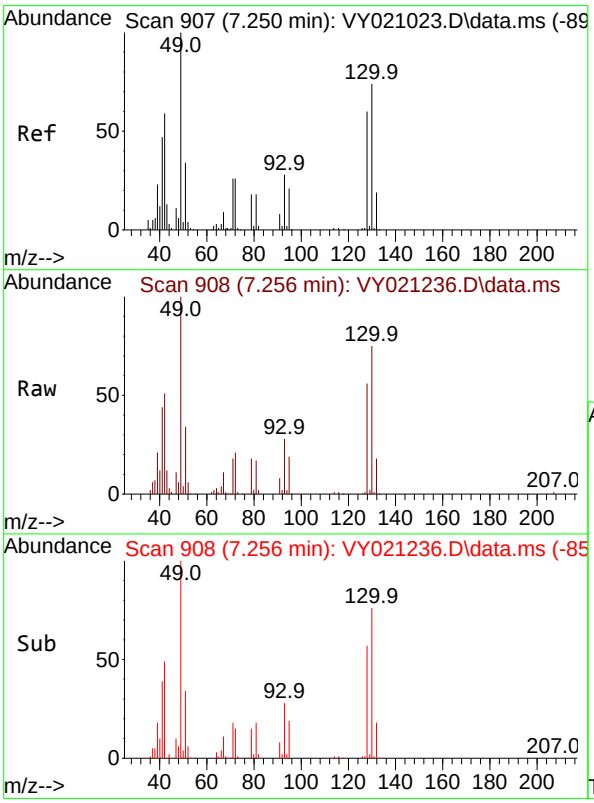
#27
cis-1,2-Dichloroethene
Concen: 49.906 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 120858

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	278.8
98	64.5	0.0	127.0

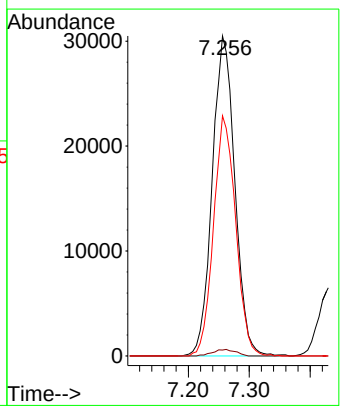


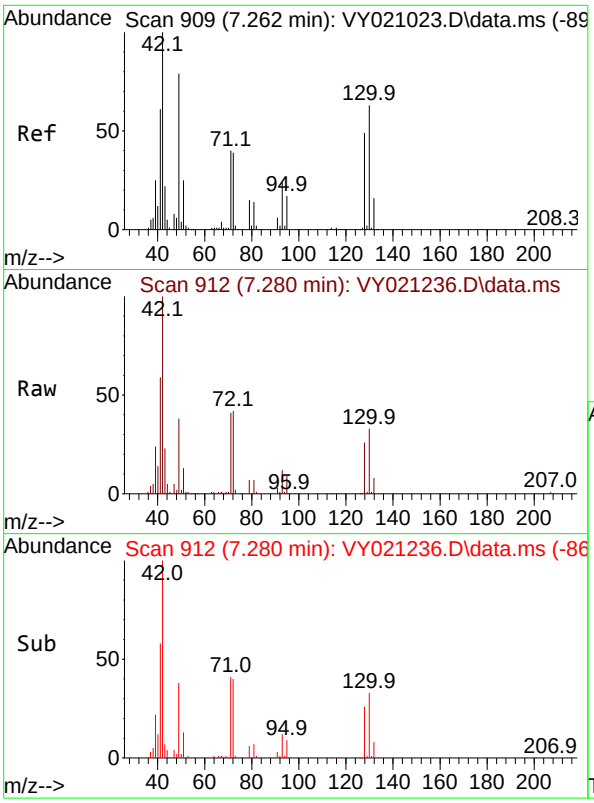


#28
Bromochloromethane
Concen: 51.015 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 49 Resp: 78475

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	73.4	59.8	89.8



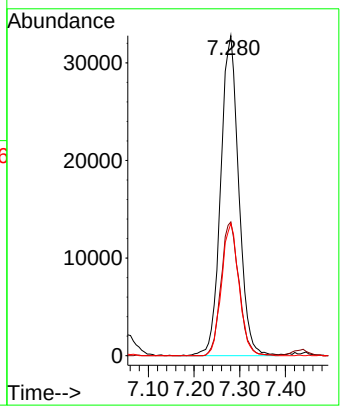


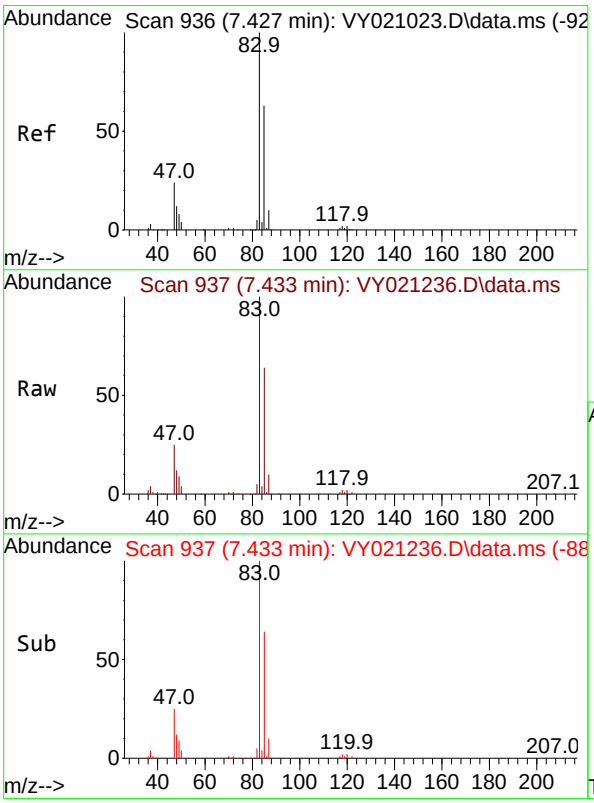
#29
Tetrahydrofuran
Concen: 253.611 ug/l
RT: 7.280 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 90325

Ion	Ratio	Lower	Upper
42	100		
72	41.4	36.6	54.8
71	40.0	33.8	50.6

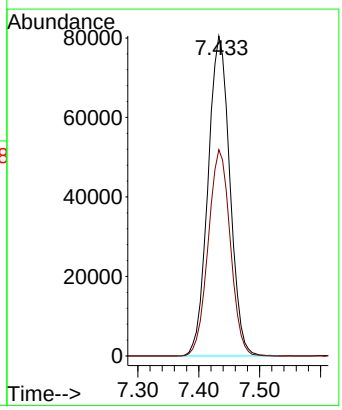


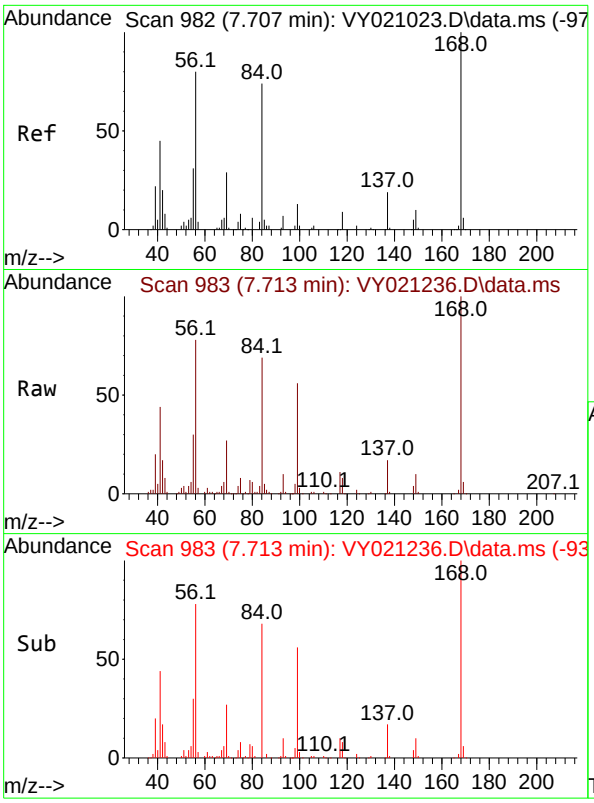


#30
Chloroform
Concen: 50.208 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 200620

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8



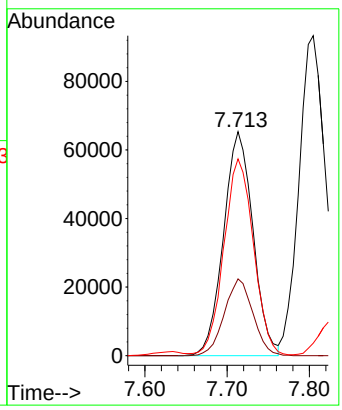


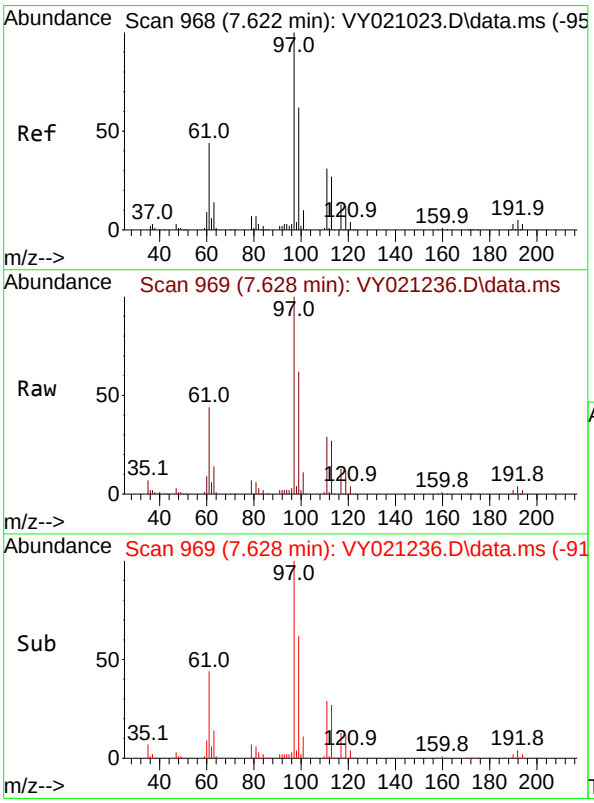
#31
Cyclohexane
Concen: 46.529 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 162999

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	86.4	71.8	107.6

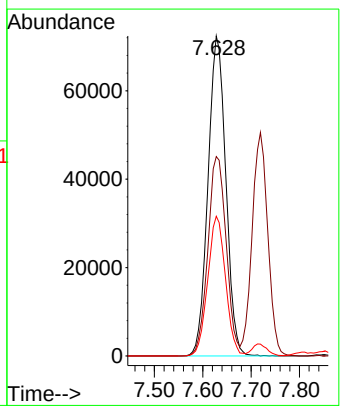


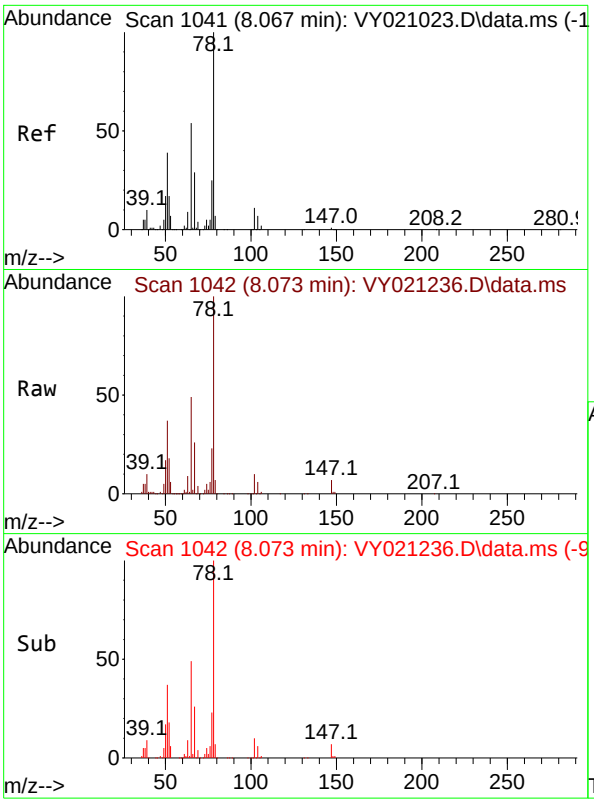


#32
1,1,1-Trichloroethane
Concen: 49.948 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 97 Resp: 185557

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	43.6	35.0	52.6



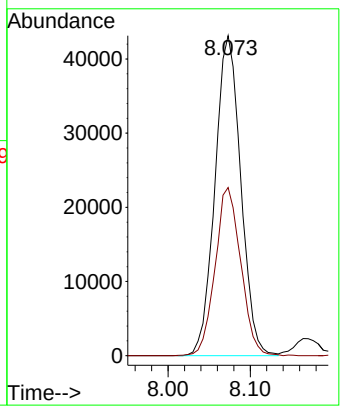


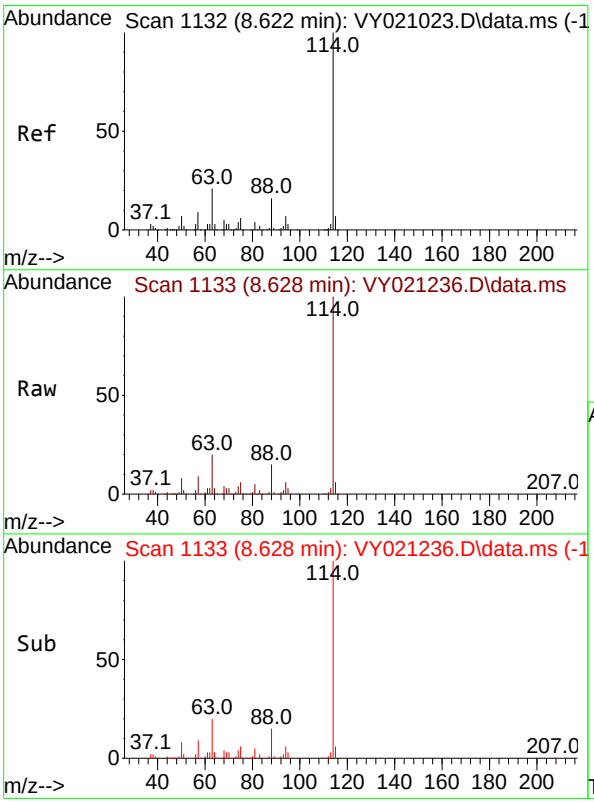
#33
1,2-Dichloroethane-d4
Concen: 45.832 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 94135

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	109.0

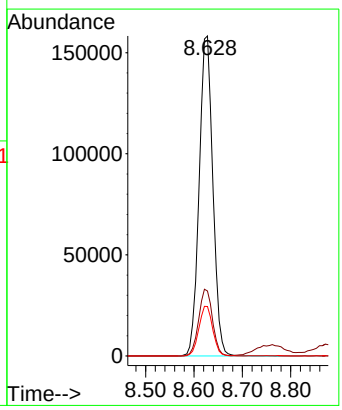


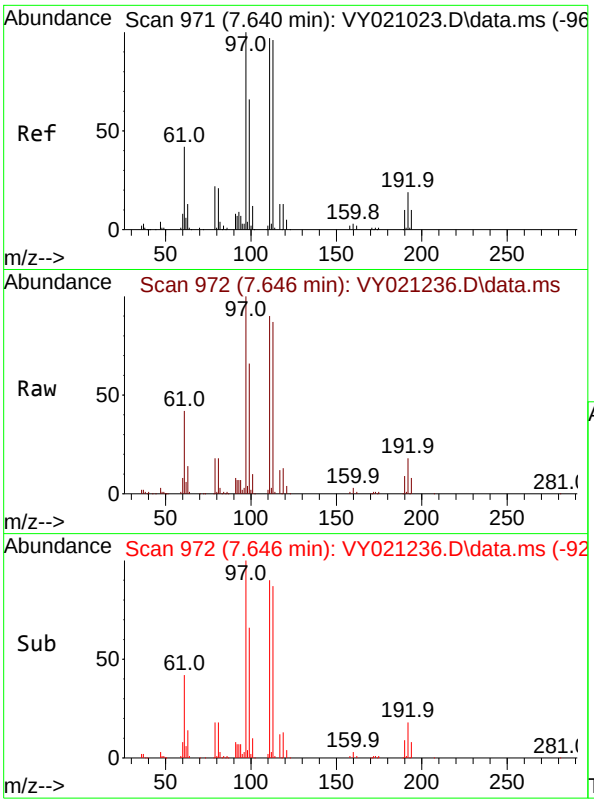


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:114 Resp: 311138

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	37.4
88	15.5	0.0	29.0



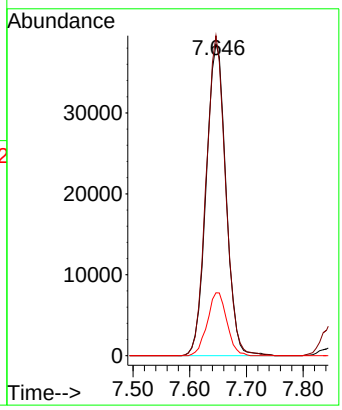


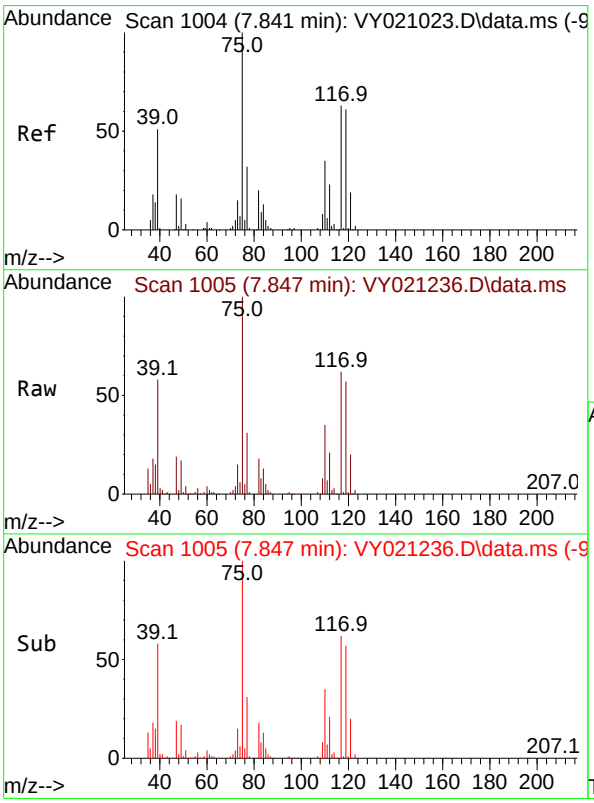
#35
Dibromofluoromethane
Concen: 46.730 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 93179

Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.8	125.6
192	20.0	14.5	21.7

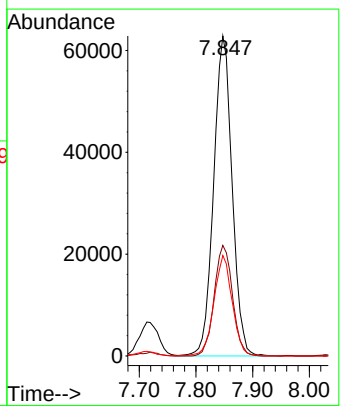


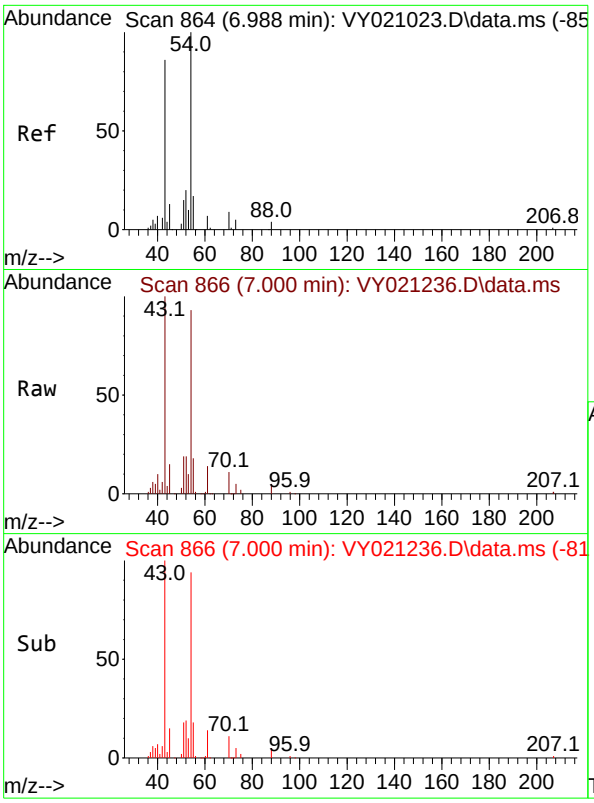


#36
1,1-Dichloropropene
Concen: 48.164 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 142250

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.4	52.3
77	31.2	24.7	37.1



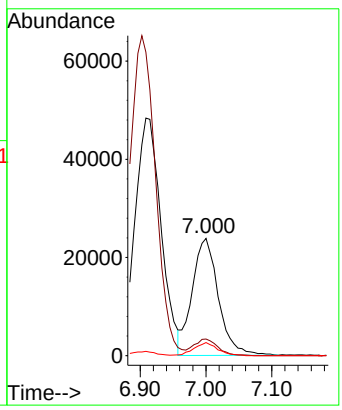


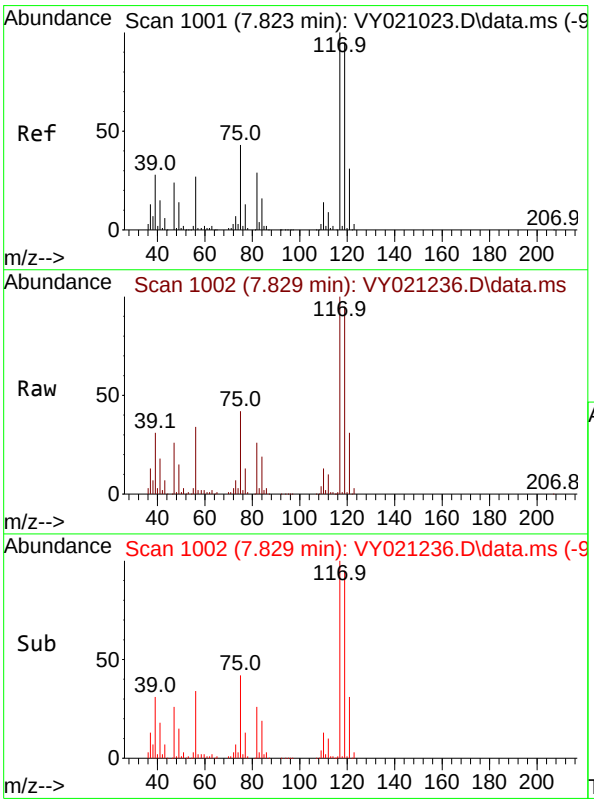
#37
Ethyl Acetate
Concen: 51.024 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 66109

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	10.1	8.1	12.1

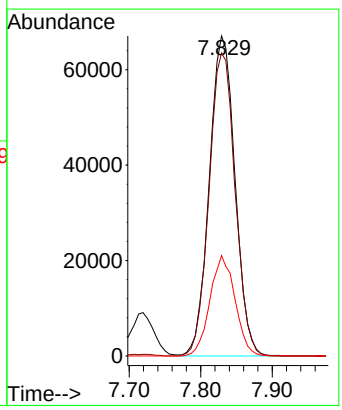


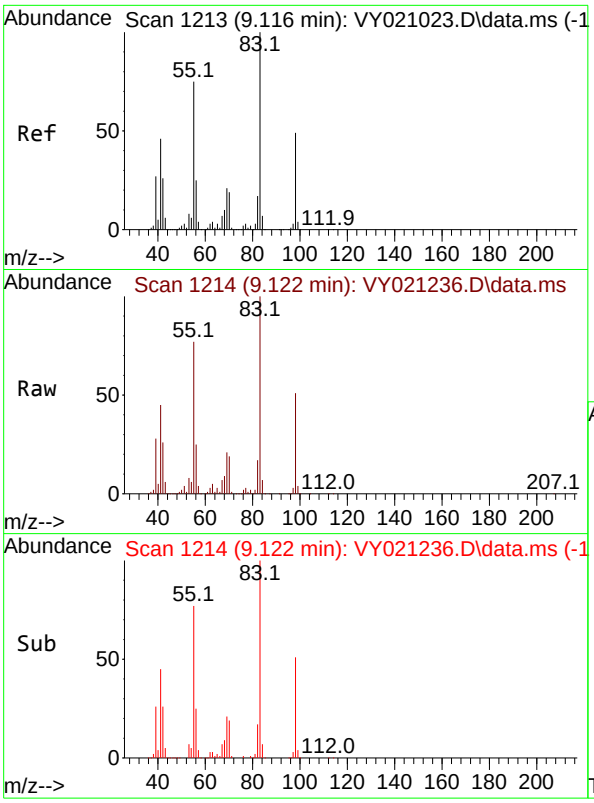


#38
Carbon Tetrachloride
Concen: 48.505 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 167388

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.0	114.0
121	31.3	24.2	36.2



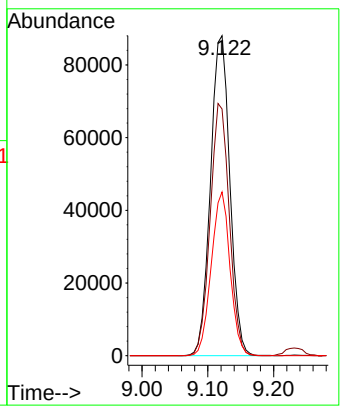


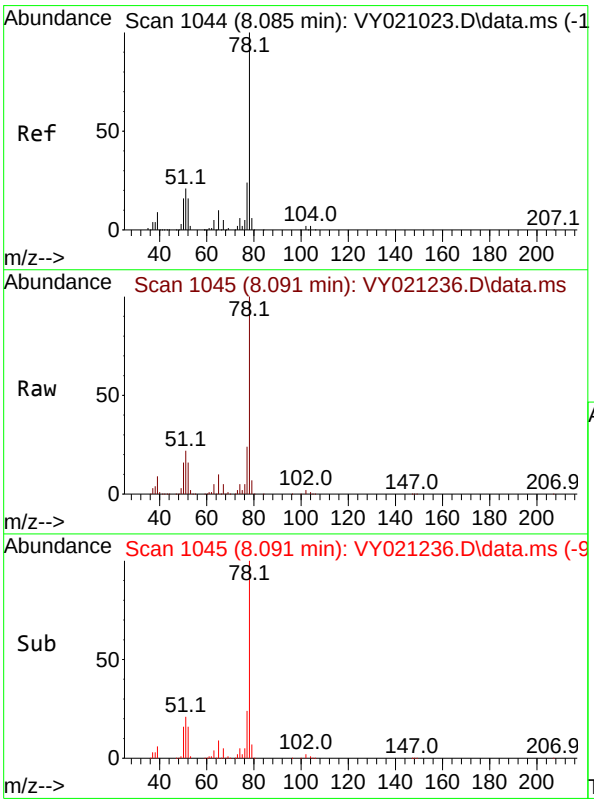
#39
Methylcyclohexane
Concen: 49.986 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 180580

Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.7	89.5
98	51.2	38.0	57.0

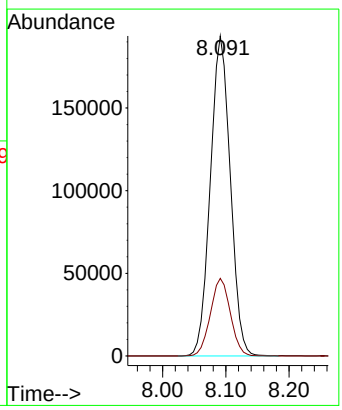


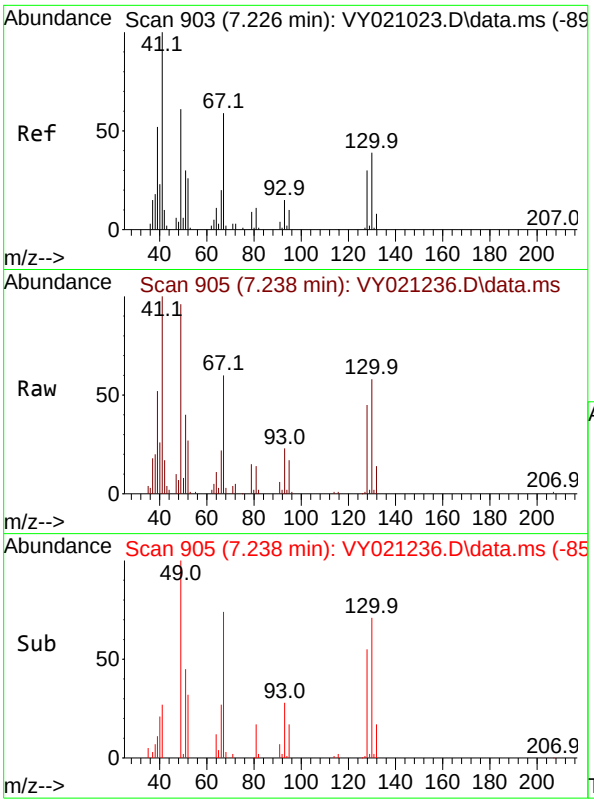


#40
Benzene
Concen: 48.970 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 78 Resp: 424435

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



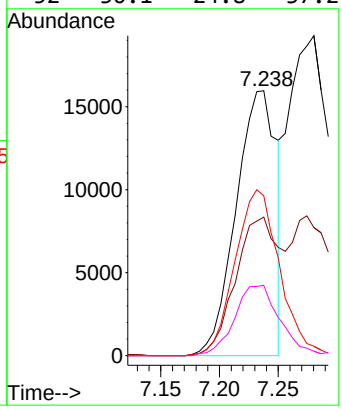


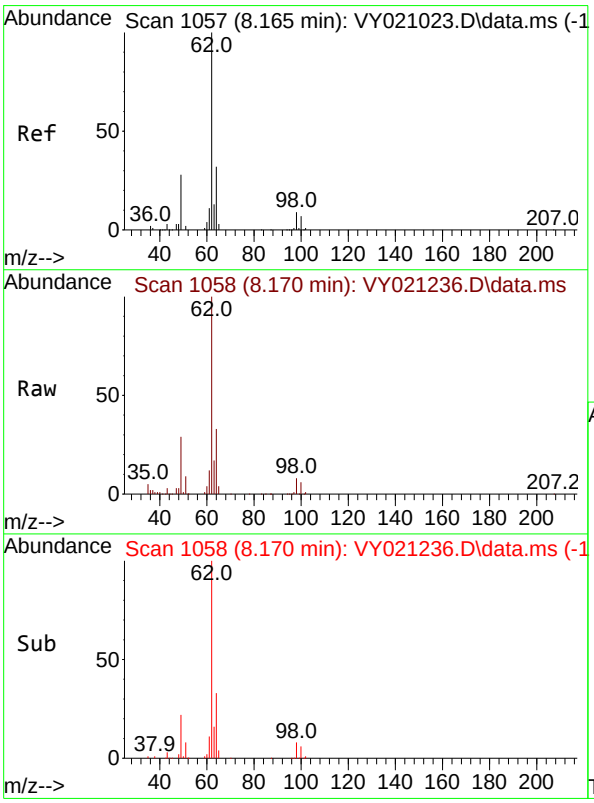
#41
Methacrylonitrile
Concen: 50.853 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 38118

Ion	Ratio	Lower	Upper
41	100		
39	58.8	41.9	62.9
67	69.7	59.8	89.6
52	30.1	24.8	37.2

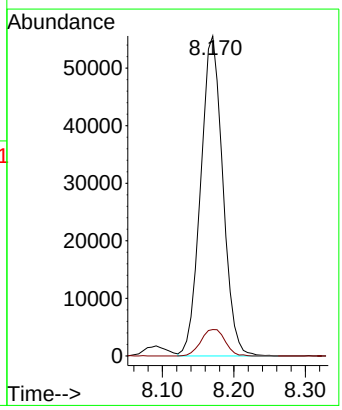


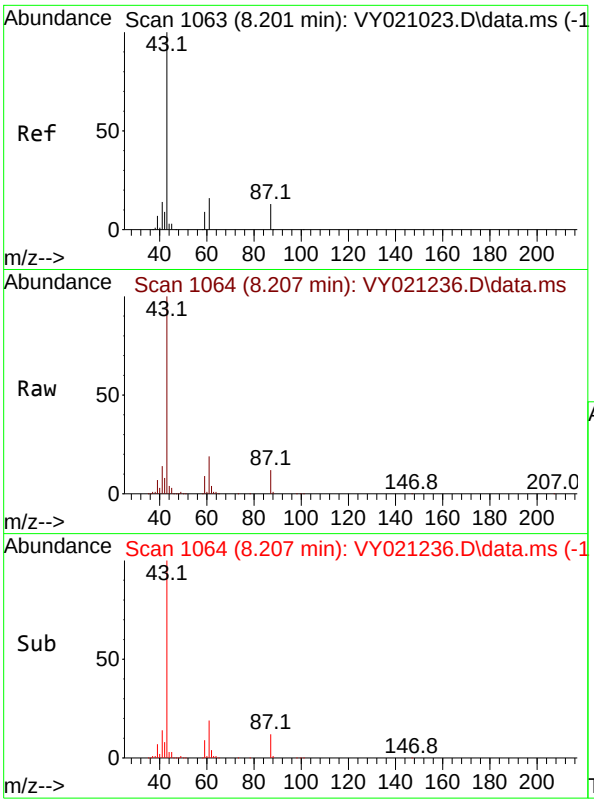


#42
1,2-Dichloroethane
Concen: 49.711 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 119521

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.2



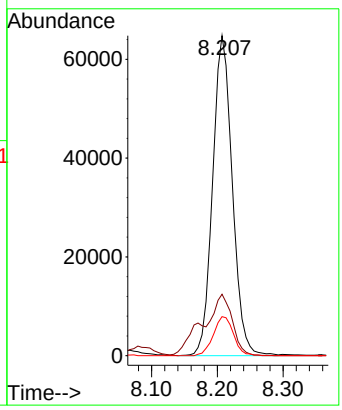


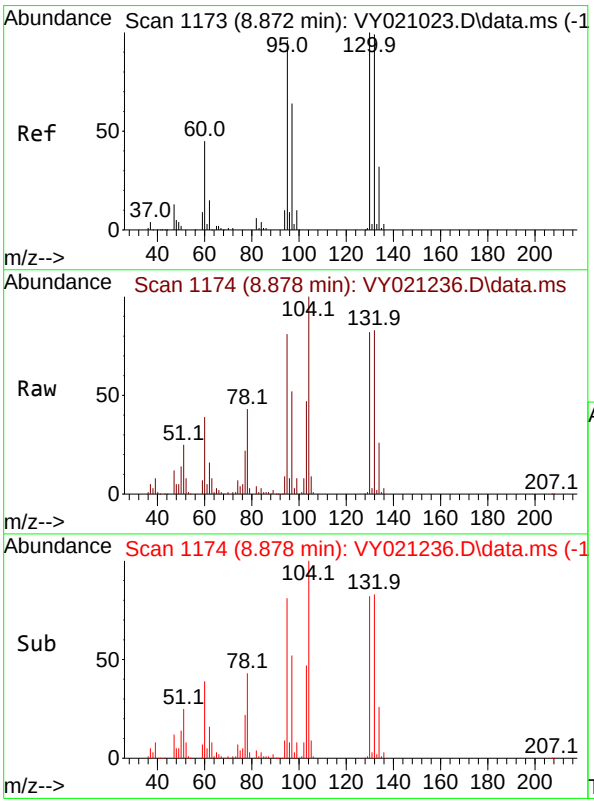
#43
Isopropyl Acetate
Concen: 52.494 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 135143

Ion	Ratio	Lower	Upper
43	100		
61	19.2	24.8	37.2#
87	12.5	10.7	16.1

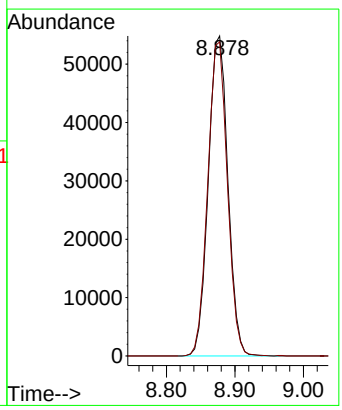


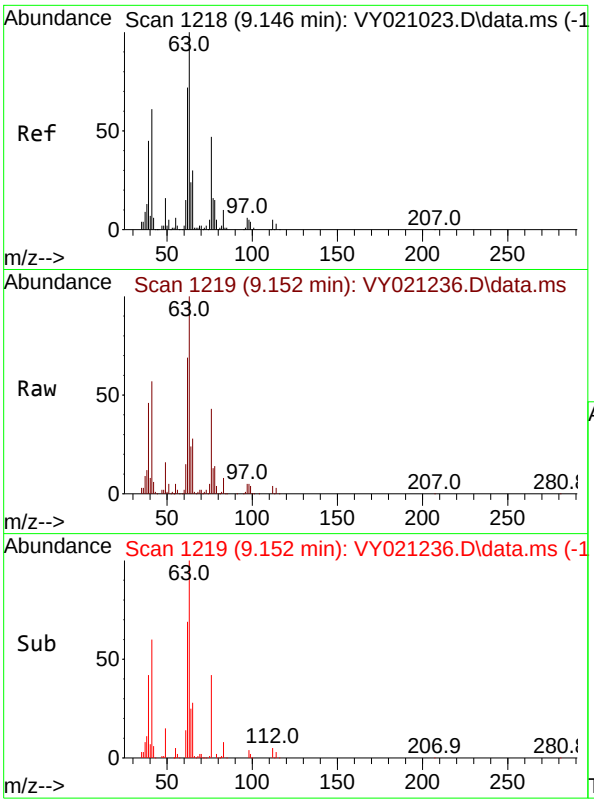


#44
Trichloroethene
Concen: 48.712 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:130 Resp: 109079

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	203.8



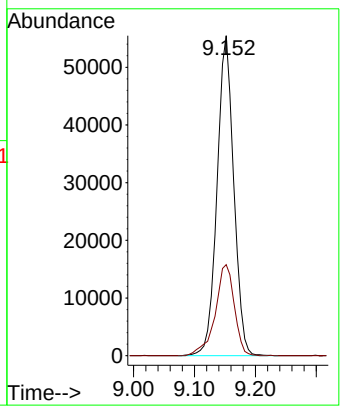


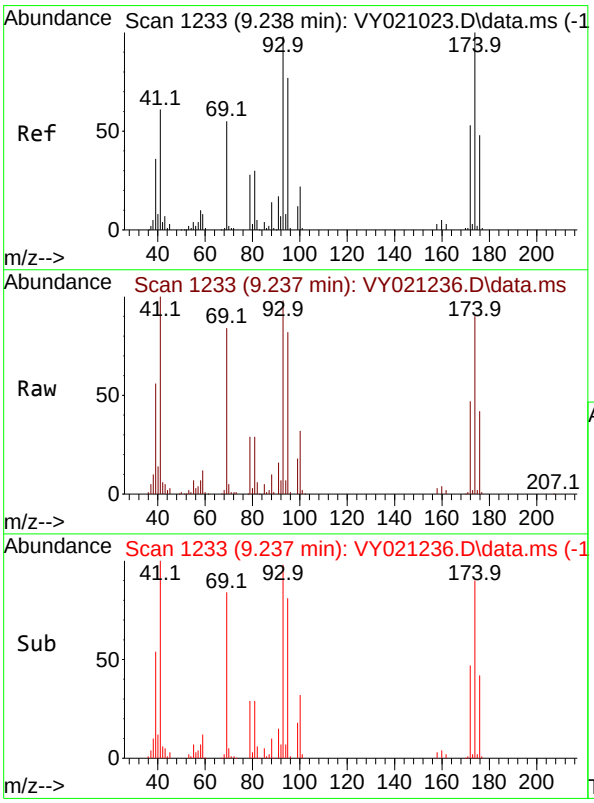
#45
1,2-Dichloropropane
Concen: 51.328 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 105592

Ion	Ratio	Lower	Upper
63	100		
65	28.5	24.6	36.8

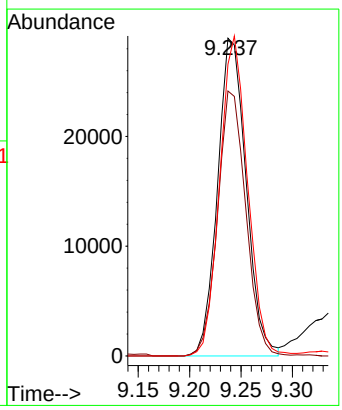


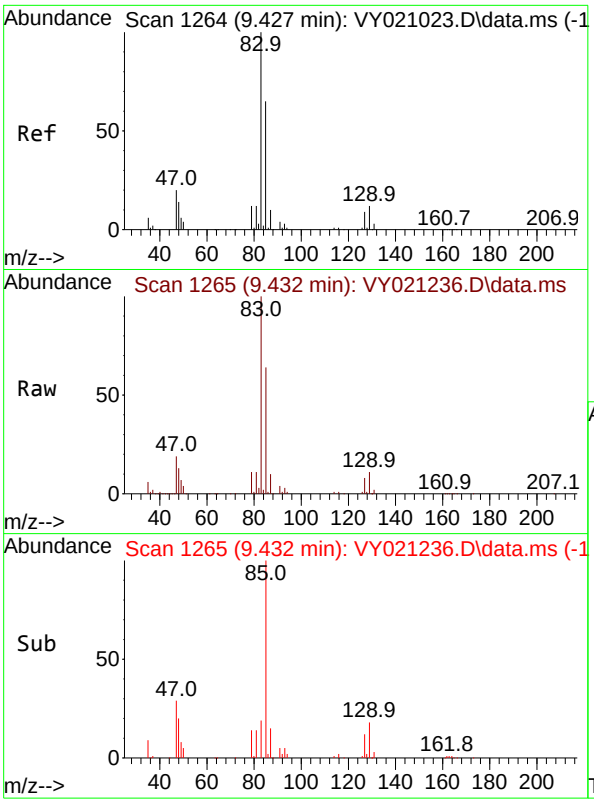


#46
Dibromomethane
Concen: 49.095 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 93 Resp: 55920

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.6	99.8
174	98.1	73.8	110.6



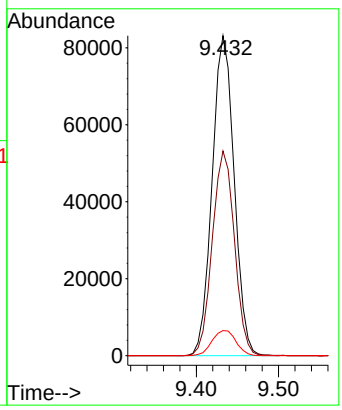


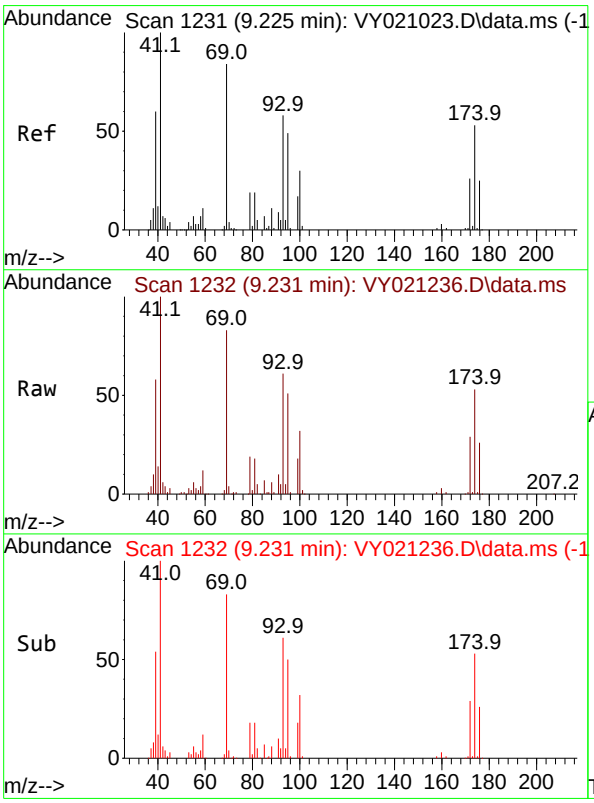
#47
Bromodichloromethane
Concen: 50.636 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 154682

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.2	79.8
127	7.8	6.4	9.6

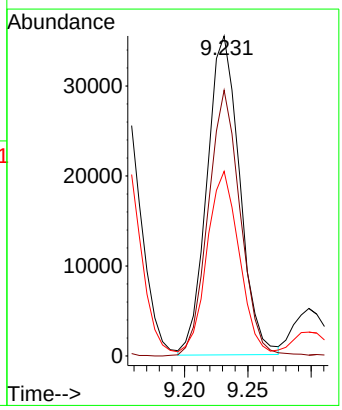


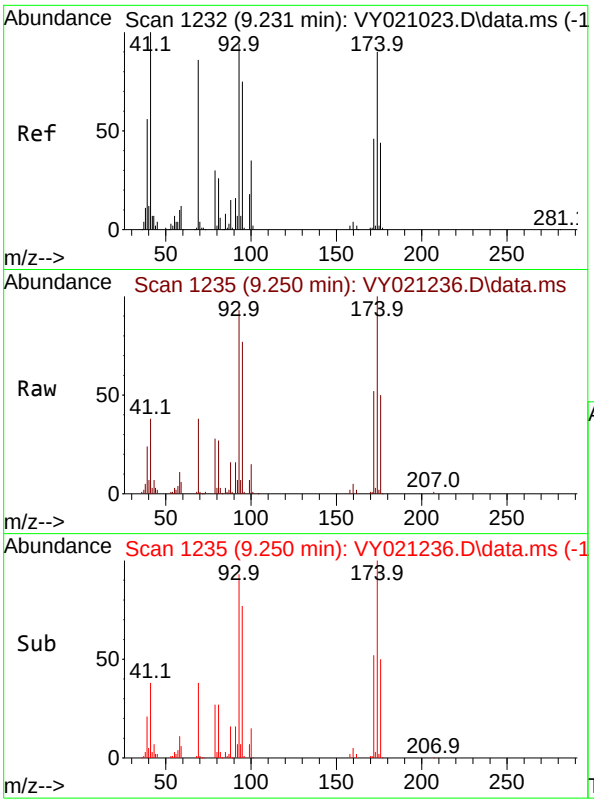


#48
Methyl methacrylate
Concen: 54.376 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 63766

Ion	Ratio	Lower	Upper
41	100		
69	82.0	72.1	108.1
39	55.0	42.8	64.2



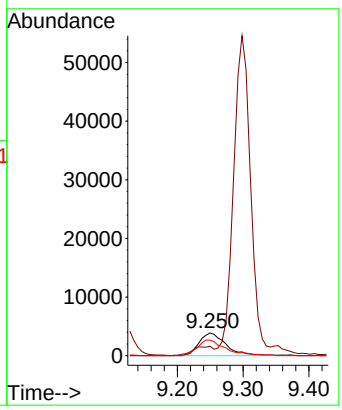


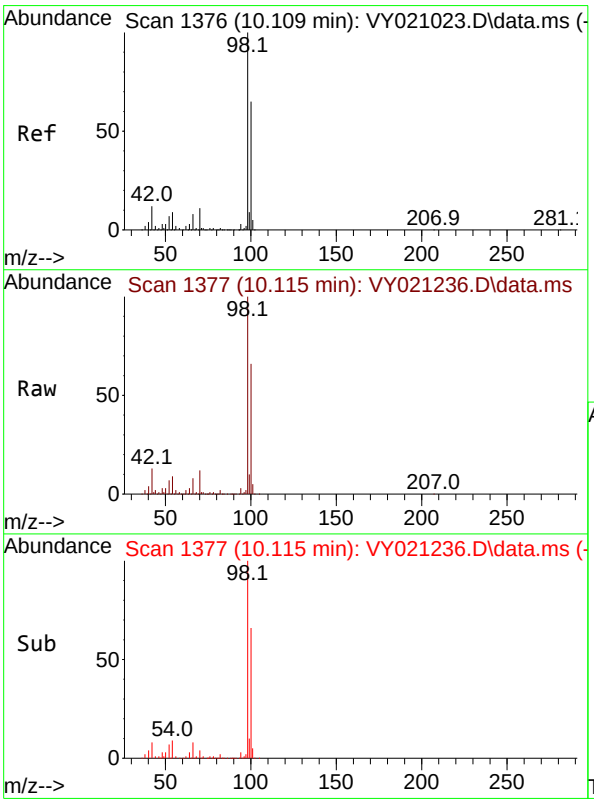
#49
1,4-Dioxane
Concen: 1039.289 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 11020

Ion	Ratio	Lower	Upper
88	100		
43	31.9	28.2	42.4
58	72.9	52.2	78.2

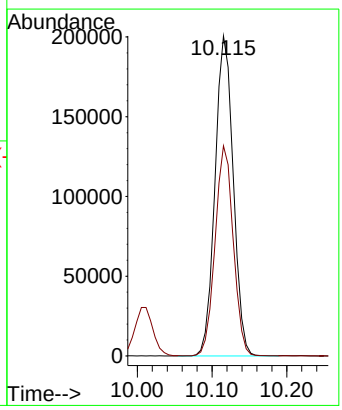


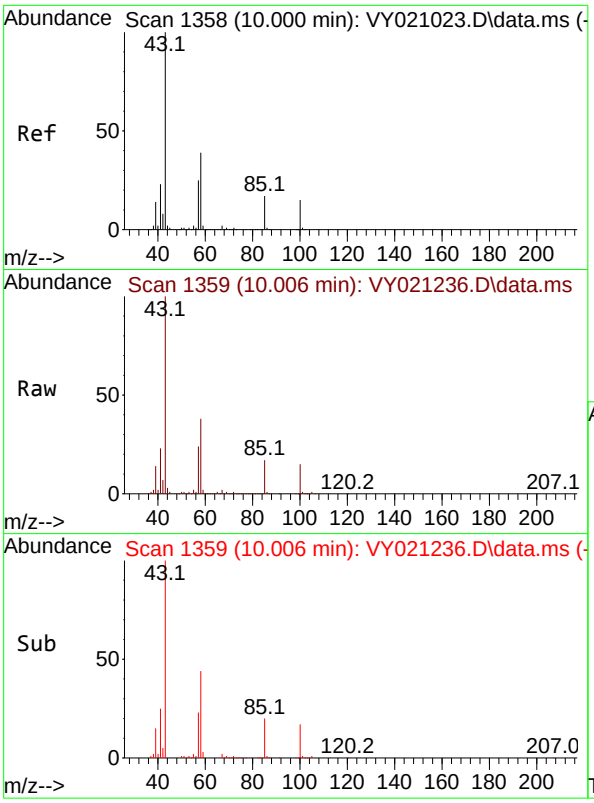


#50
Toluene-d8
Concen: 44.845 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 98 Resp: 340426

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5



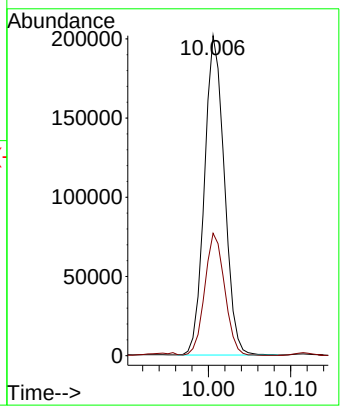


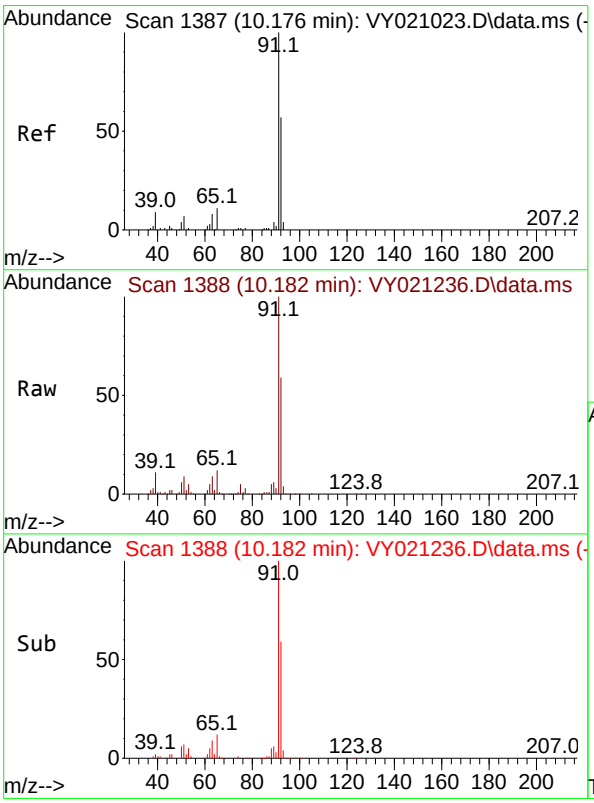
#51
4-Methyl-2-Pentanone
Concen: 261.432 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 338455

Ion	Ratio	Lower	Upper
43	100		
58	38.7	32.2	48.2

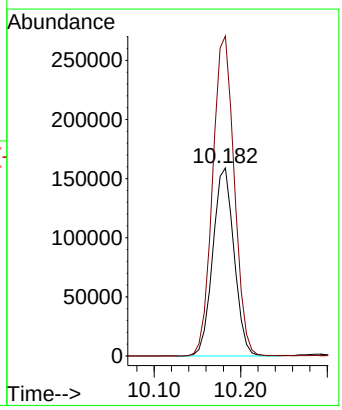


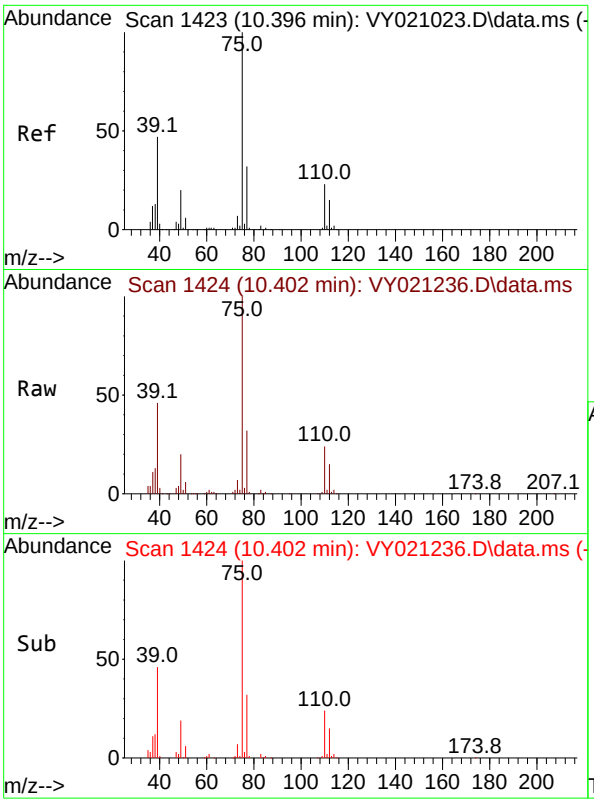


#52
Toluene
Concen: 49.688 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 92 Resp: 270409

Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.6	206.4



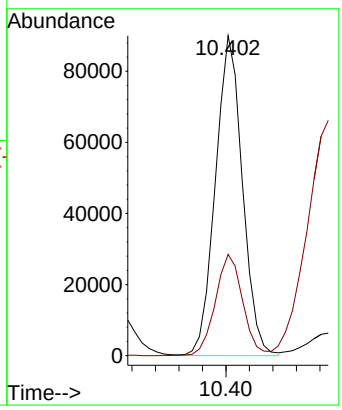


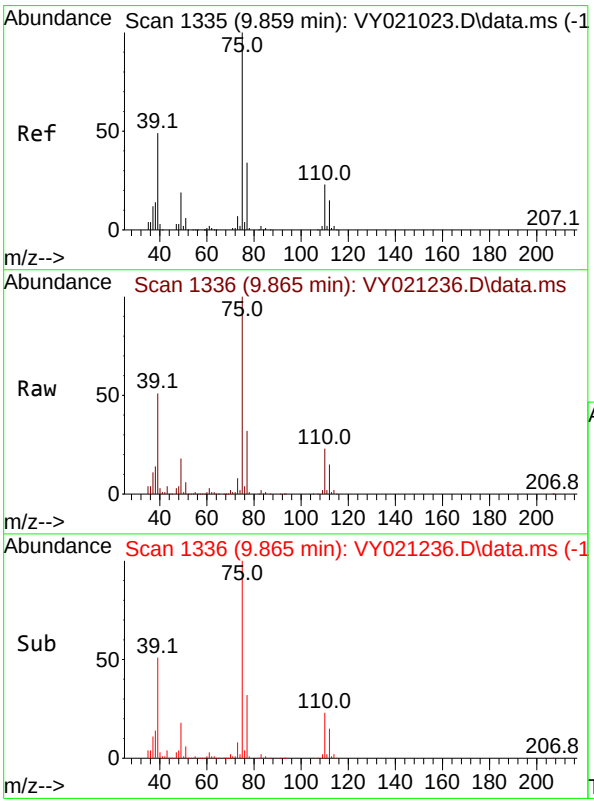
#53
t-1,3-Dichloropropene
Concen: 52.336 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 143554

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8

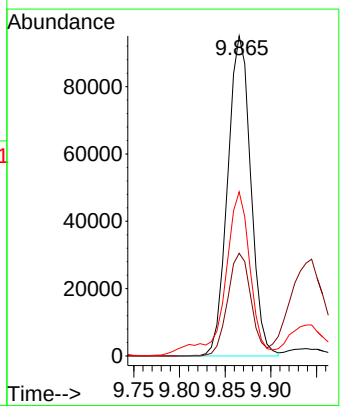


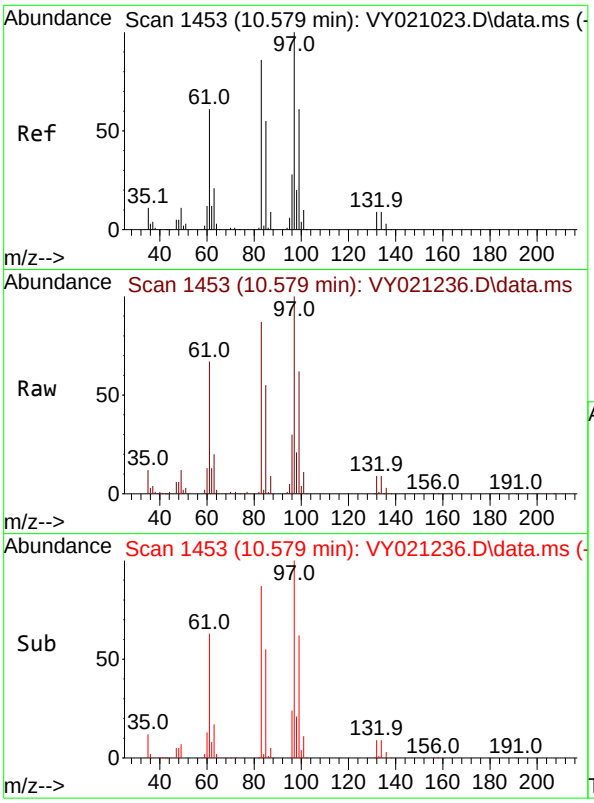


#54
cis-1,3-Dichloropropene
Concen: 51.553 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 167429

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8
39	49.1	33.6	50.4



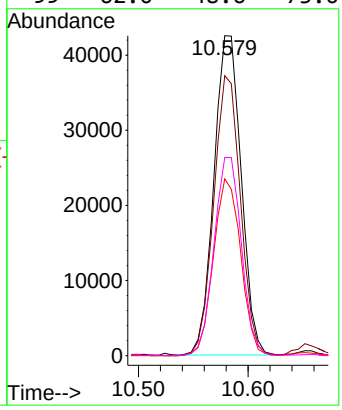


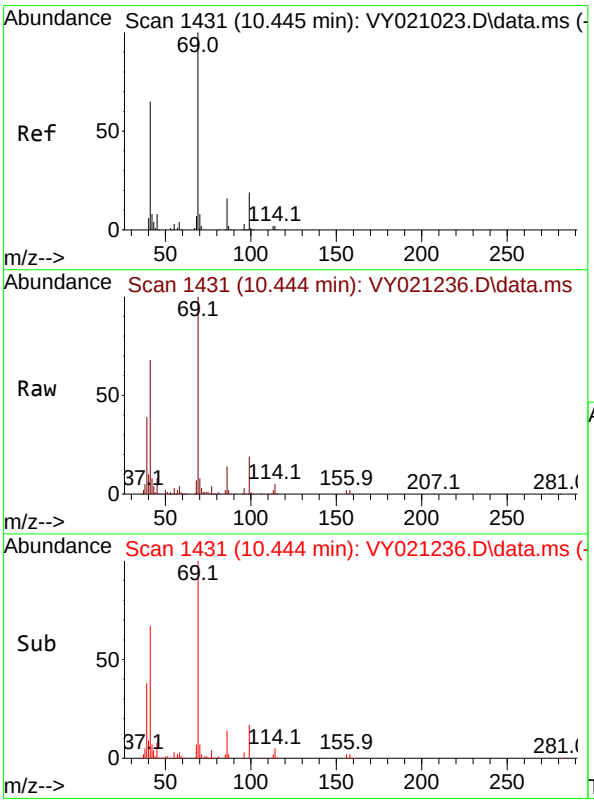
#55
1,1,2-Trichloroethane
Concen: 49.892 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 73589

Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.4	104.2
85	55.4	43.9	65.9
99	62.0	48.6	73.0

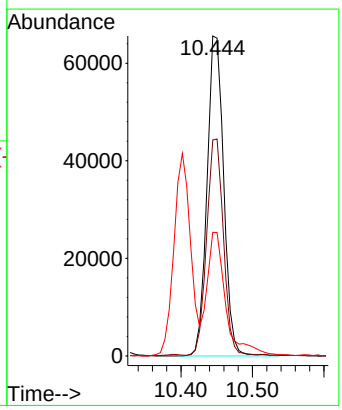


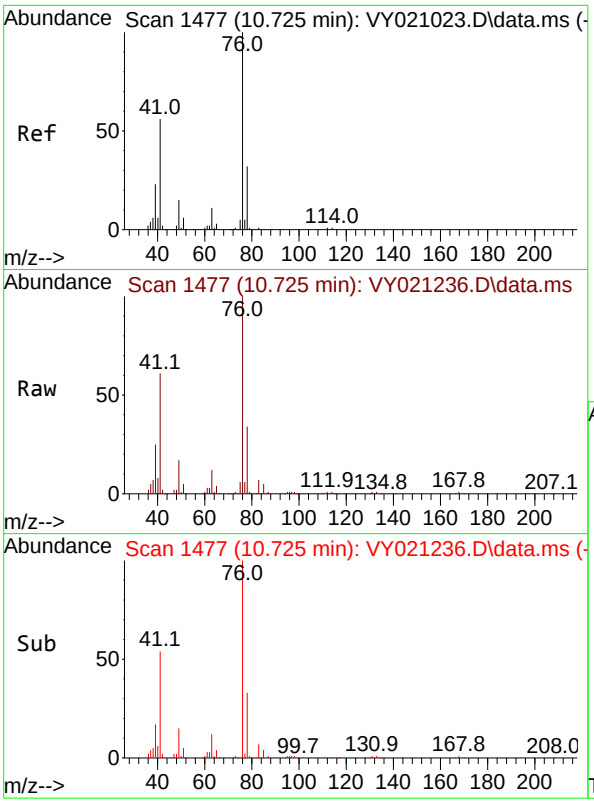


#56
Ethyl methacrylate
Concen: 53.867 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 69 Resp: 106288

Ion	Ratio	Lower	Upper
69	100		
41	68.0	49.2	73.8
39	42.9	26.8	40.2#



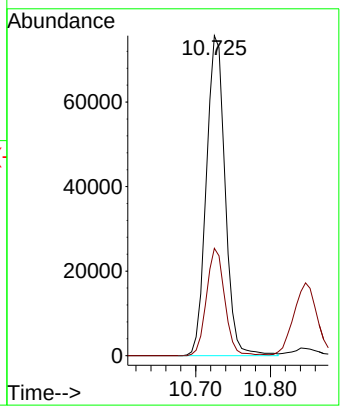


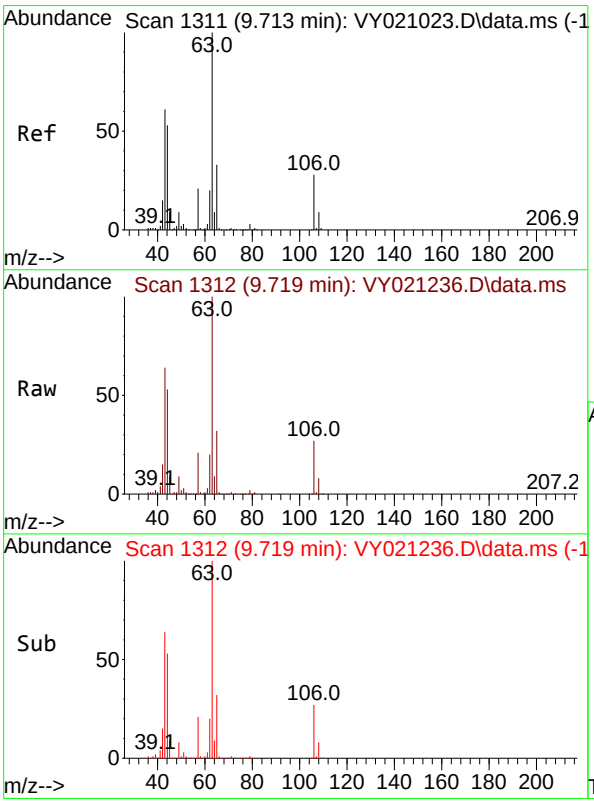
#57
1,3-Dichloropropane
Concen: 51.769 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 132165

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

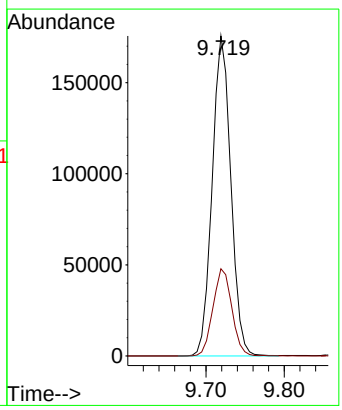


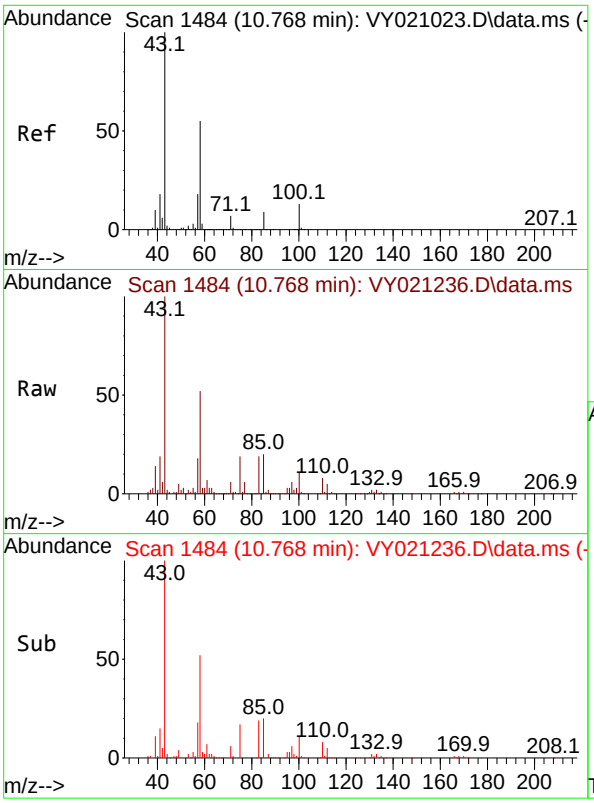


#58
2-Chloroethyl Vinyl ether
Concen: 309.543 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 290576

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.4	33.6



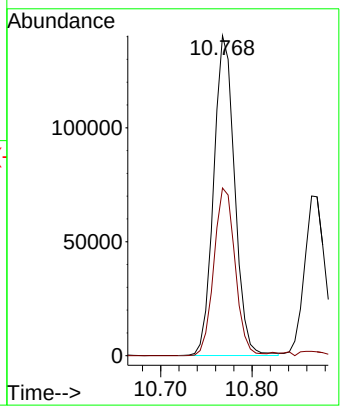


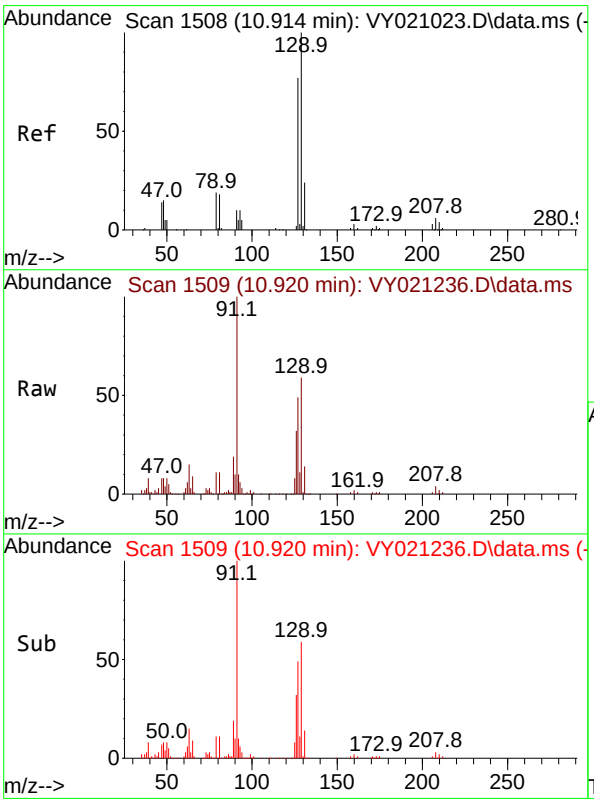
#59
2-Hexanone
Concen: 268.437 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 223757

Ion	Ratio	Lower	Upper
43	100		
58	53.2	28.1	84.3

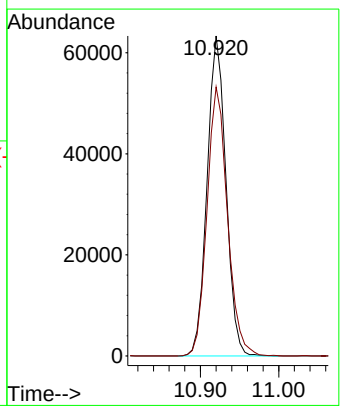


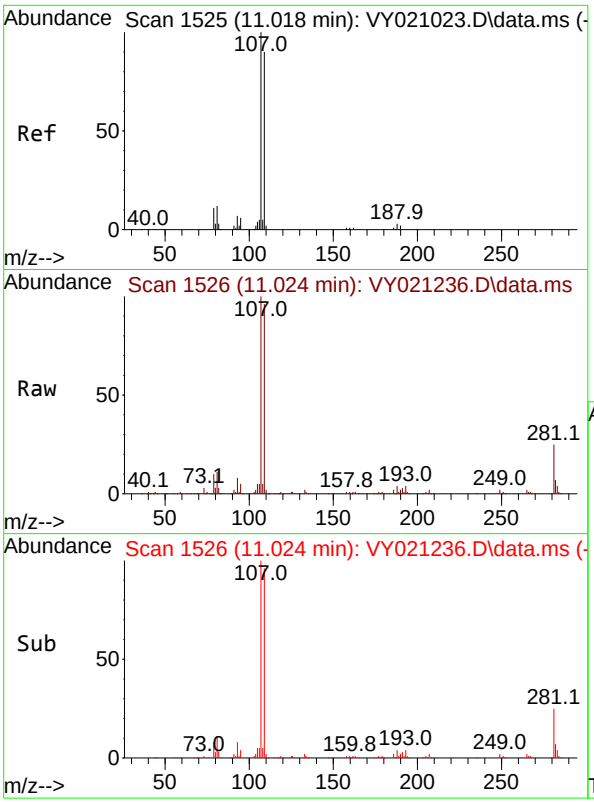


#60
Dibromochloromethane
Concen: 50.976 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:129 Resp: 105589

Ion	Ratio	Lower	Upper
129	100		
127	91.4	39.2	117.6



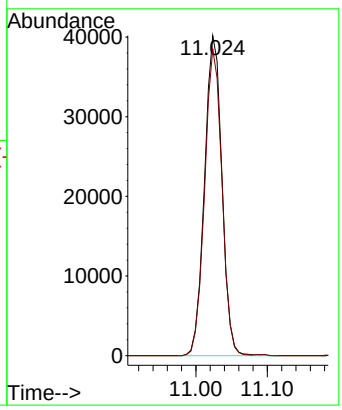


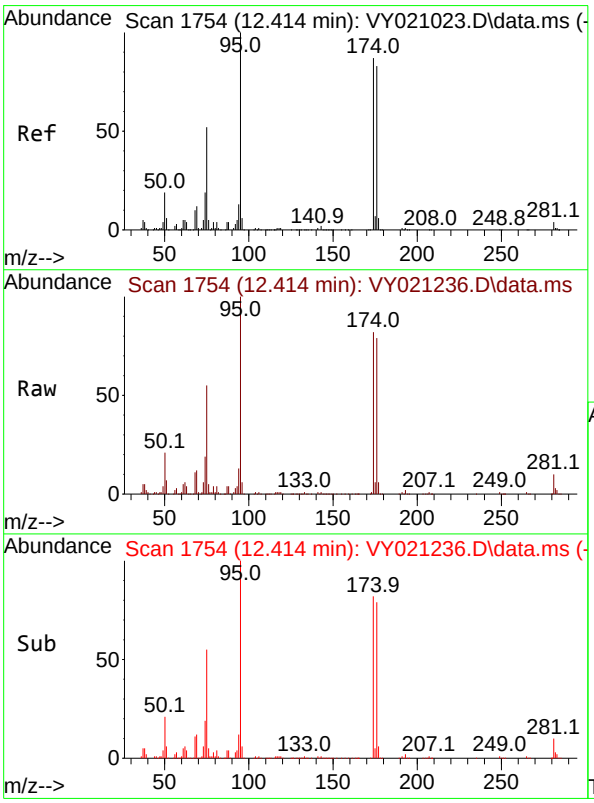
#61
1,2-Dibromoethane
Concen: 49.079 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 67805

Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.2

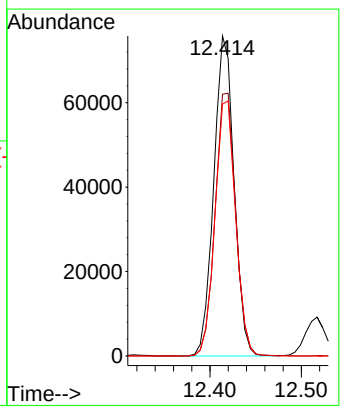


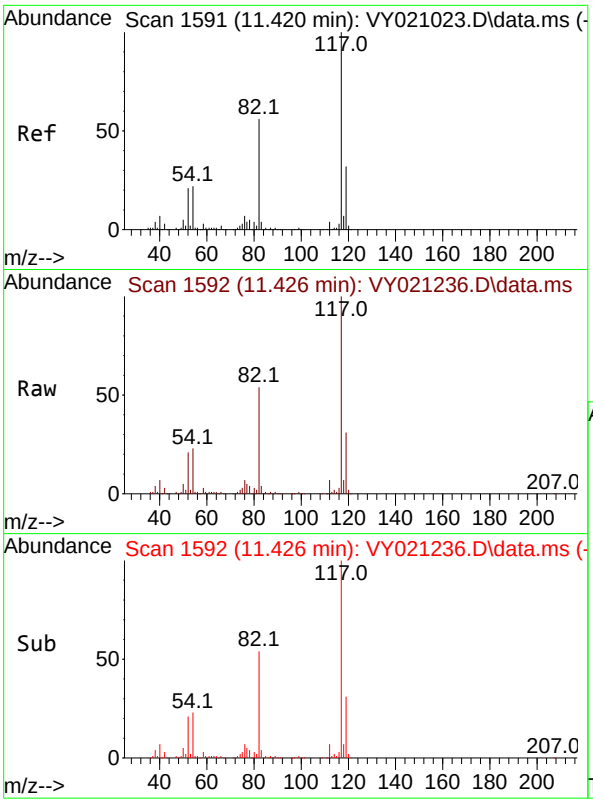


#62
4-Bromofluorobenzene
Concen: 47.196 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 95 Resp: 117047

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	160.0
176	81.2	0.0	151.8



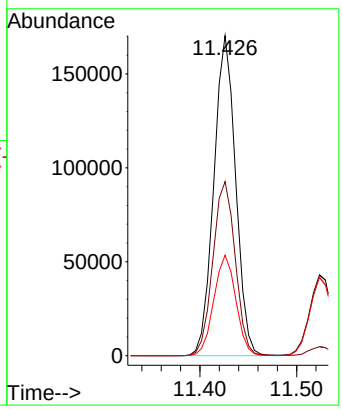


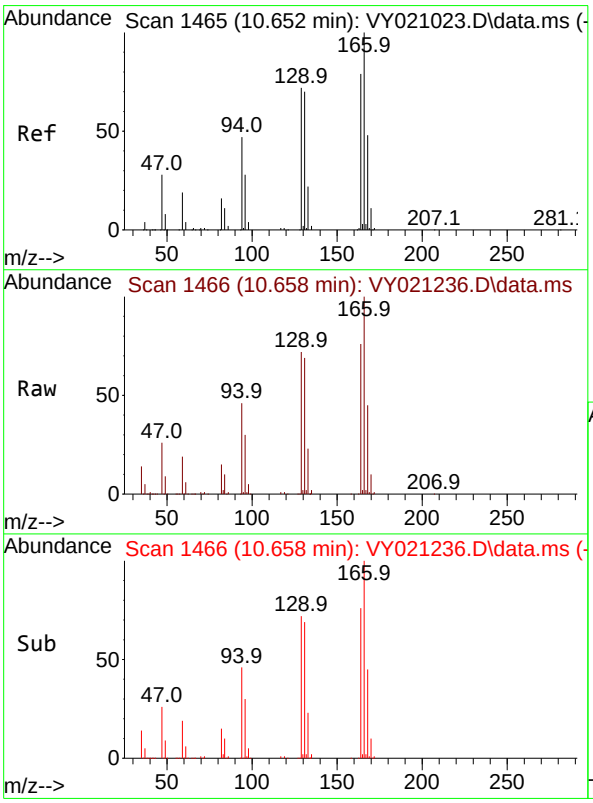
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 266562

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	31.4	26.5	39.7

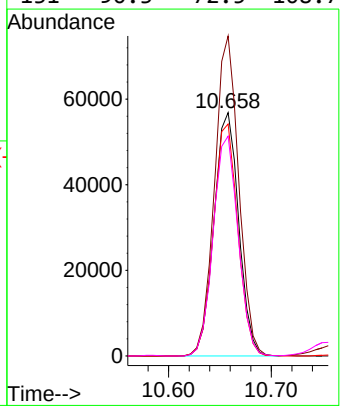


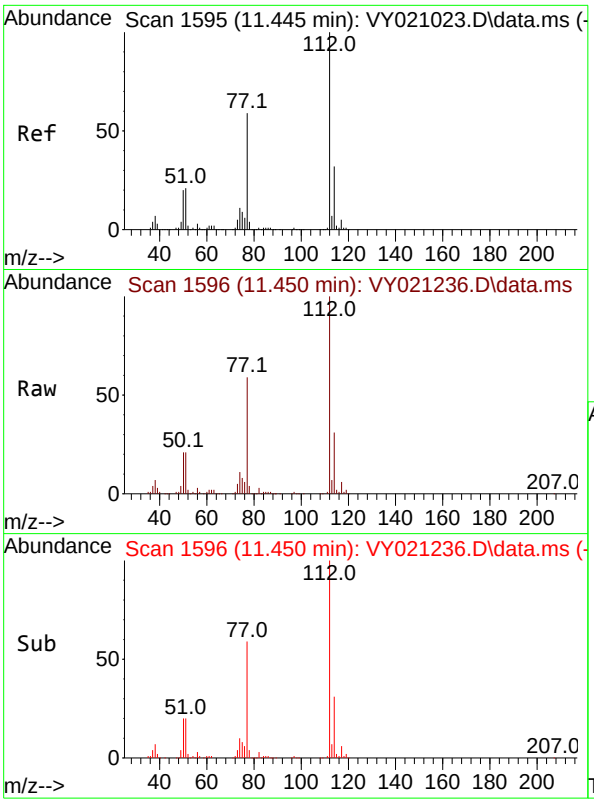


#64
Tetrachloroethene
Concen: 47.954 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:164 Resp: 94893

Ion	Ratio	Lower	Upper
164	100		
166	131.5	98.8	148.2
129	95.3	78.9	118.3
131	90.3	72.5	108.7



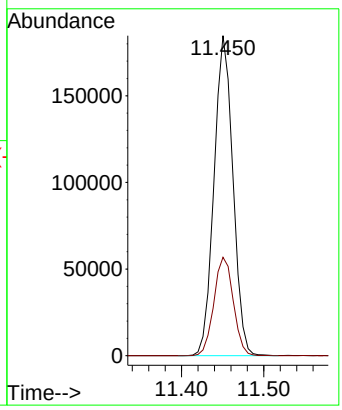


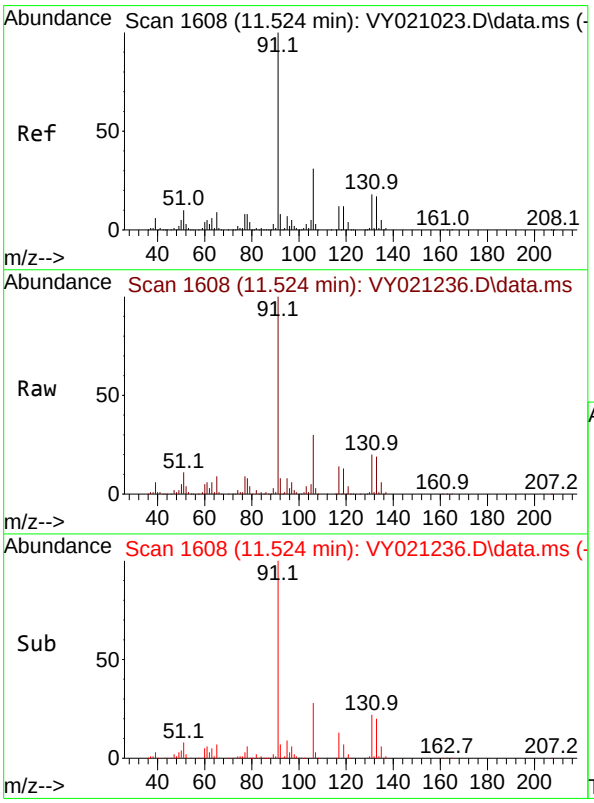
#65
Chlorobenzene
Concen: 49.788 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 295517

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.1	39.1

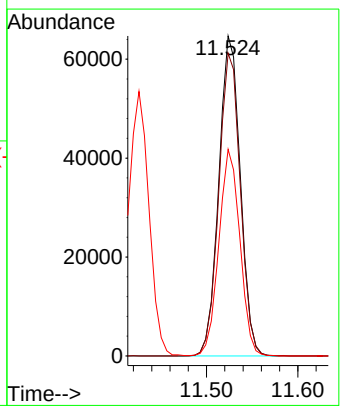


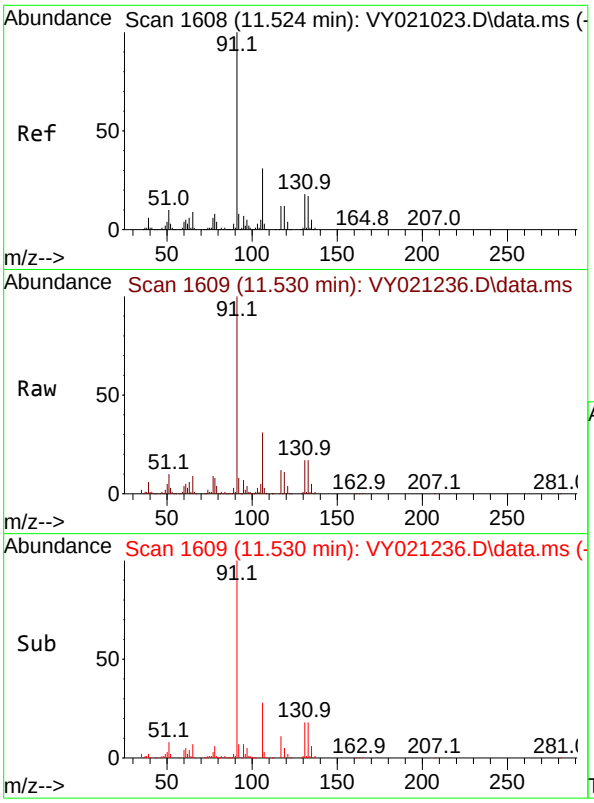


#66
1,1,1,2-Tetrachloroethane
Concen: 50.076 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:131 Resp: 105626

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.0	141.0
119	63.4	33.3	99.9



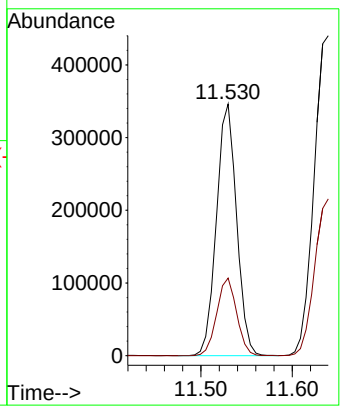


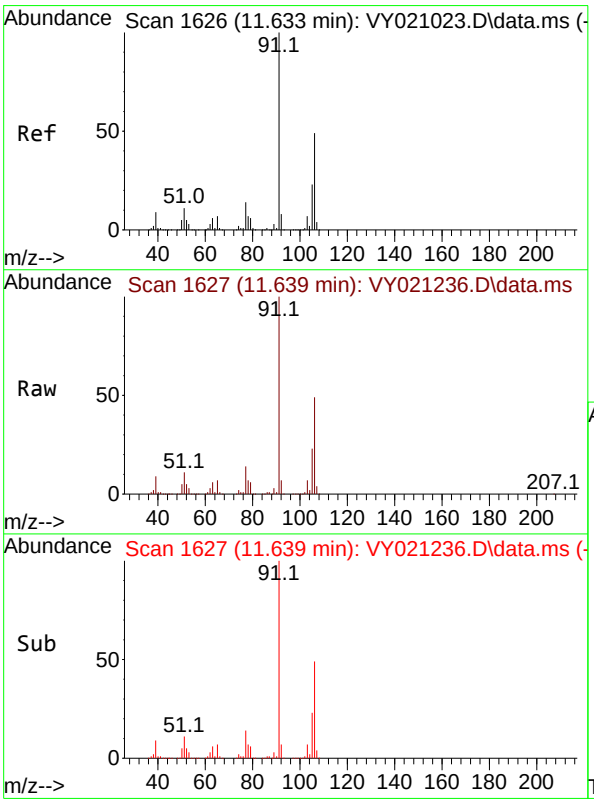
#67
Ethyl Benzene
Concen: 50.579 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 530991

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4

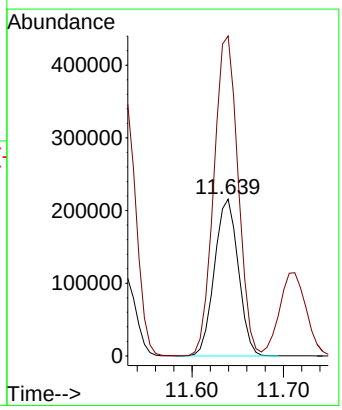


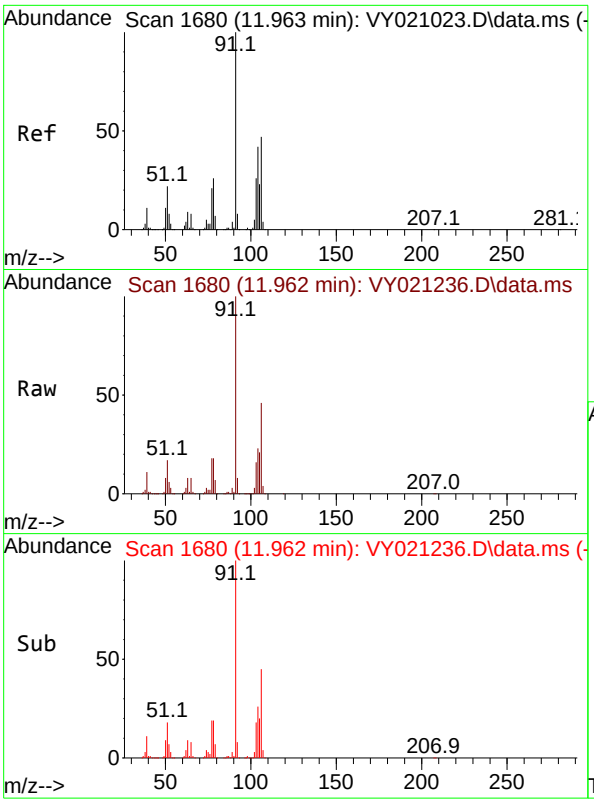


#68
m/p-Xylenes
Concen: 99.601 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:106 Resp: 391171

Ion	Ratio	Lower	Upper
106	100		
91	207.1	160.7	241.1



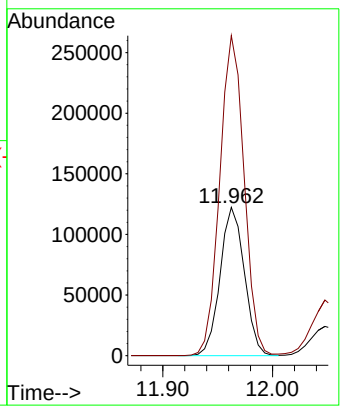


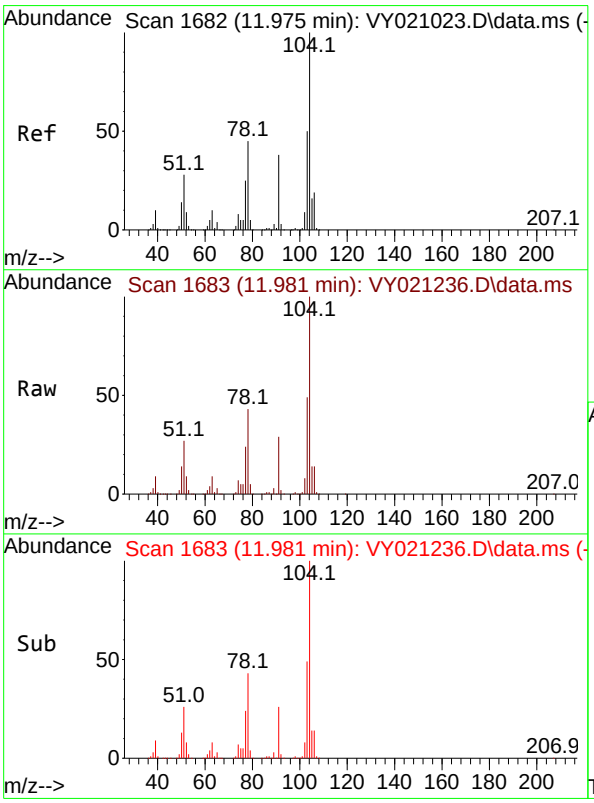
#69
o-Xylene
Concen: 51.555 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 188775

Ion	Ratio	Lower	Upper
106	100		
91	216.1	106.5	319.5

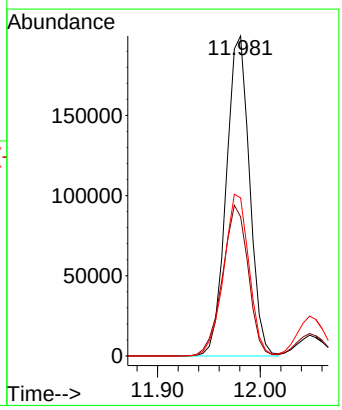


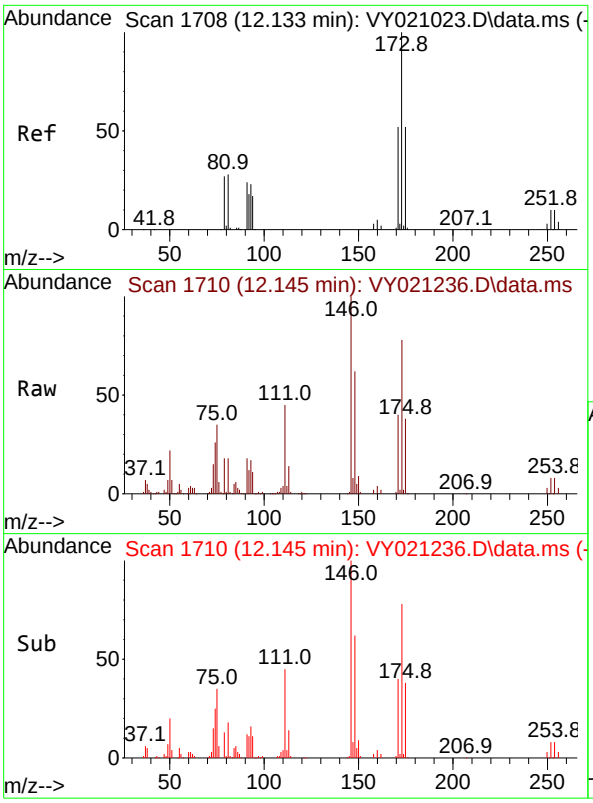


#70
Styrene
Concen: 51.620 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:104 Resp: 315025

Ion	Ratio	Lower	Upper
104	100		
78	51.7	39.2	58.8
103	54.8	43.8	65.6



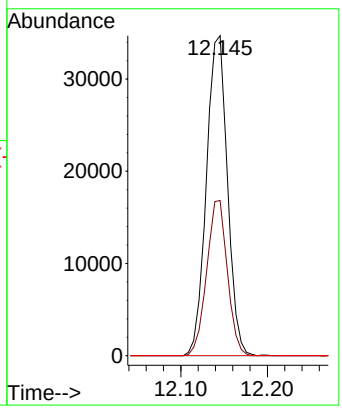


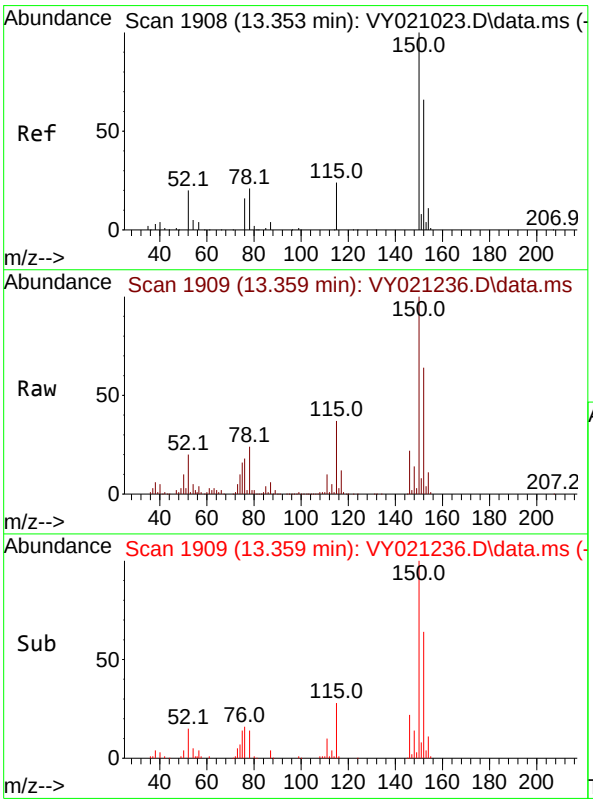
#71
Bromoform
Concen: 49.825 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 58498

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0

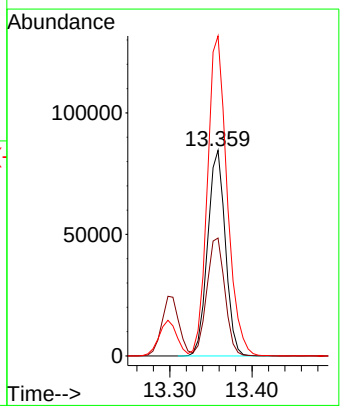


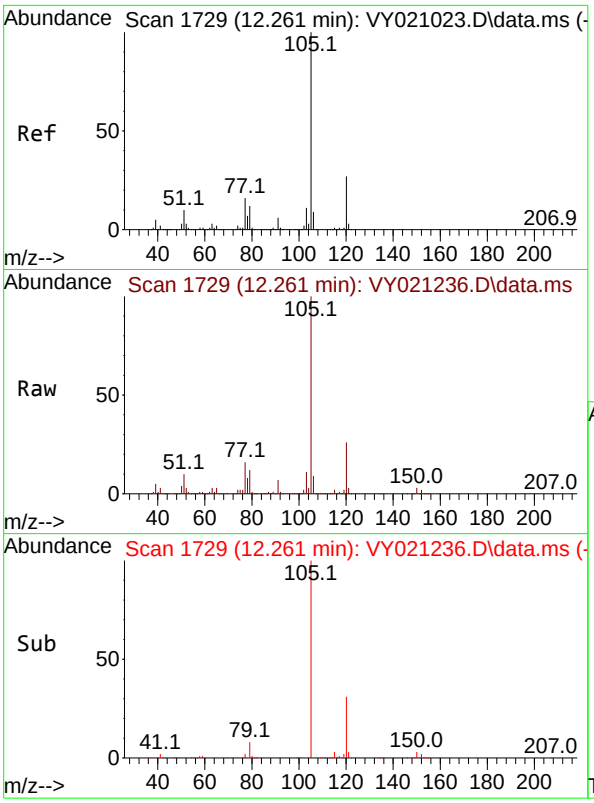


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:152 Resp: 126814

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.0	90.0
150	172.9	0.0	344.6



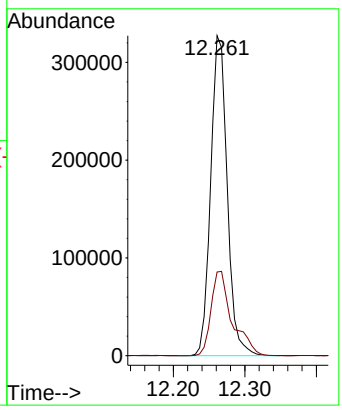


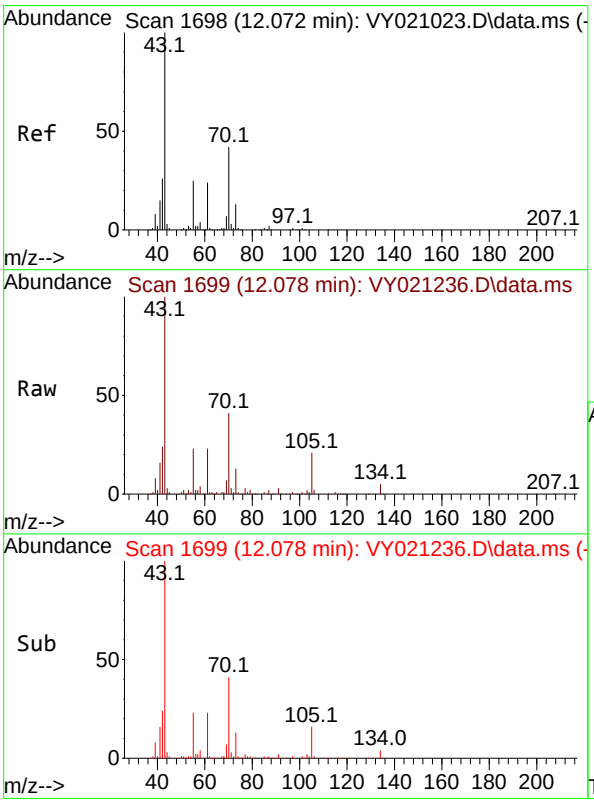
#73
Isopropylbenzene
Concen: 53.006 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 525075

Ion	Ratio	Lower	Upper
105	100		
120	33.6	13.0	39.0

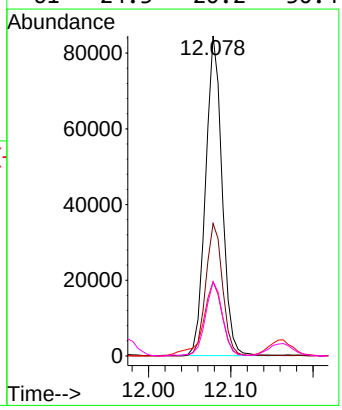


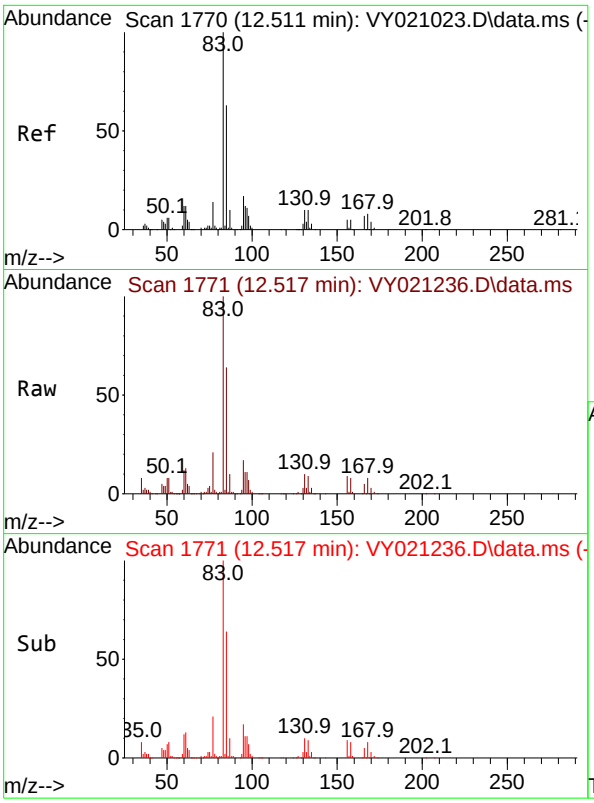


#74
N-amyl acetate
Concen: 54.480 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 117988

Ion	Ratio	Lower	Upper
43	100		
70	42.2	36.6	55.0
55	27.0	22.2	33.4
61	24.3	20.2	30.4



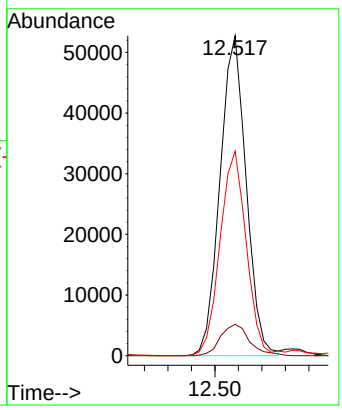


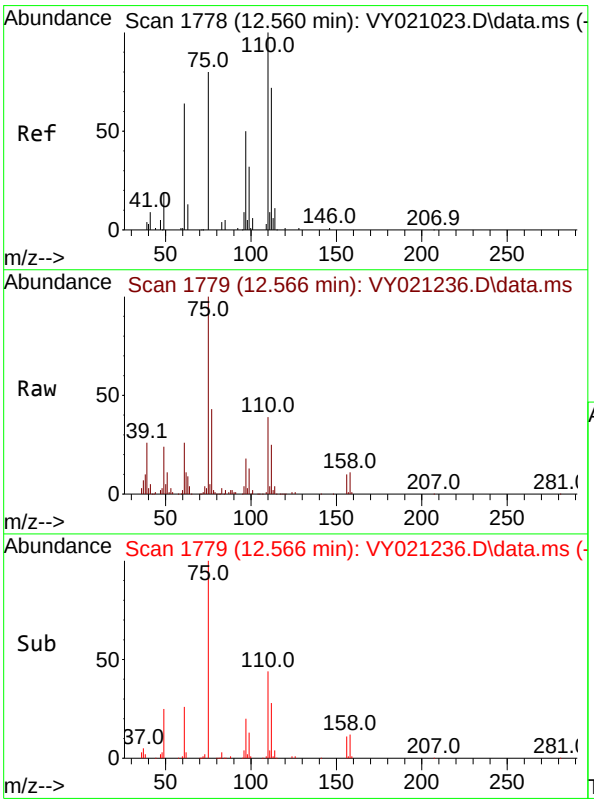
#75
1,1,2,2-Tetrachloroethane
Concen: 49.512 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 81571

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.6
85	64.4	32.6	98.0

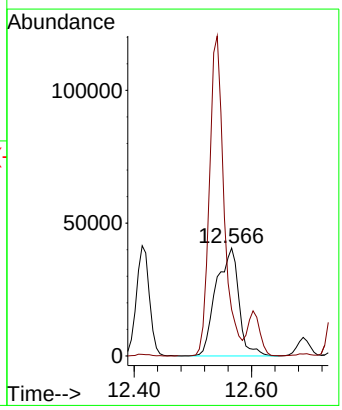


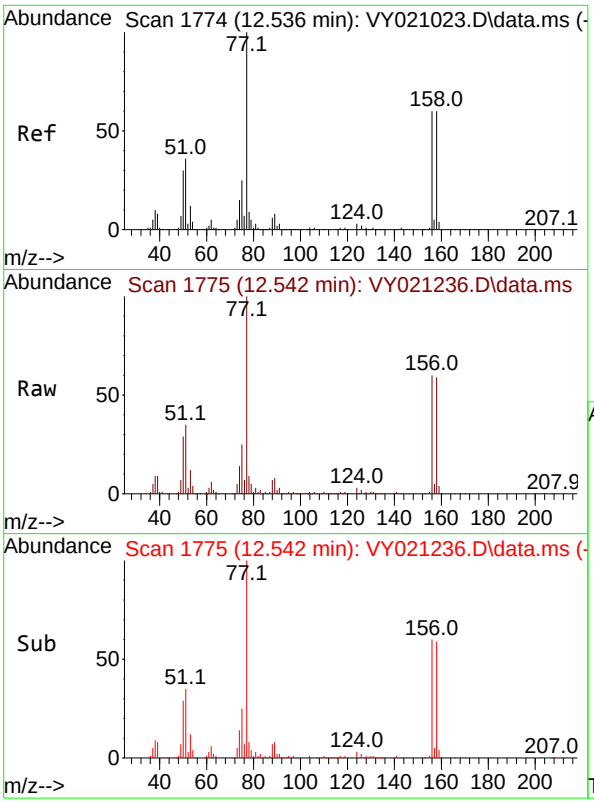


#76
1,2,3-Trichloropropane
Concen: 94.911 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 109182

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



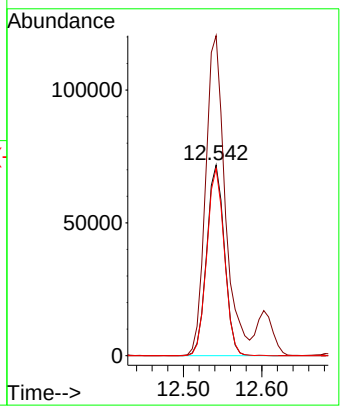


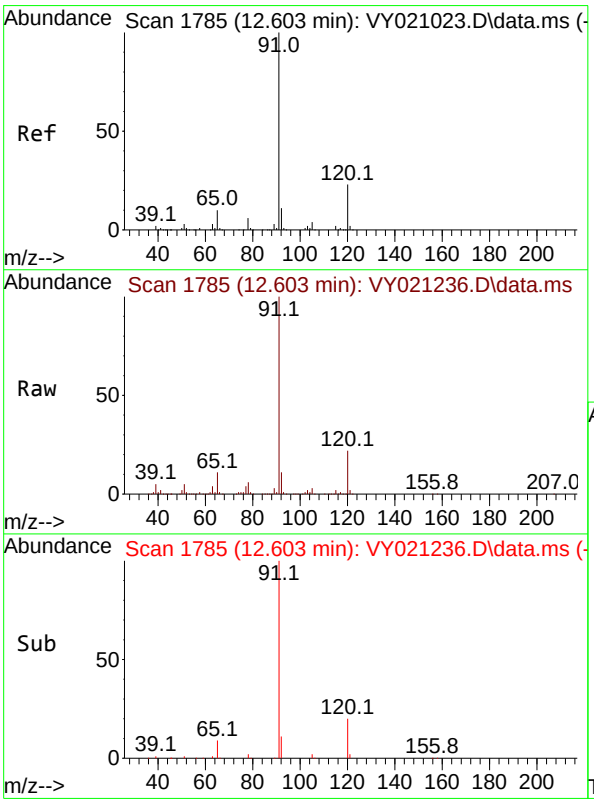
#77
Bromobenzene
Concen: 49.154 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 112364

Ion	Ratio	Lower	Upper
156	100		
77	185.8	97.3	291.8
158	97.5	48.4	145.0

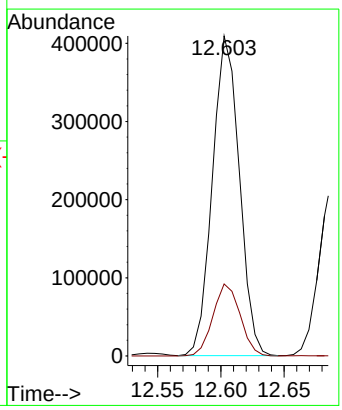


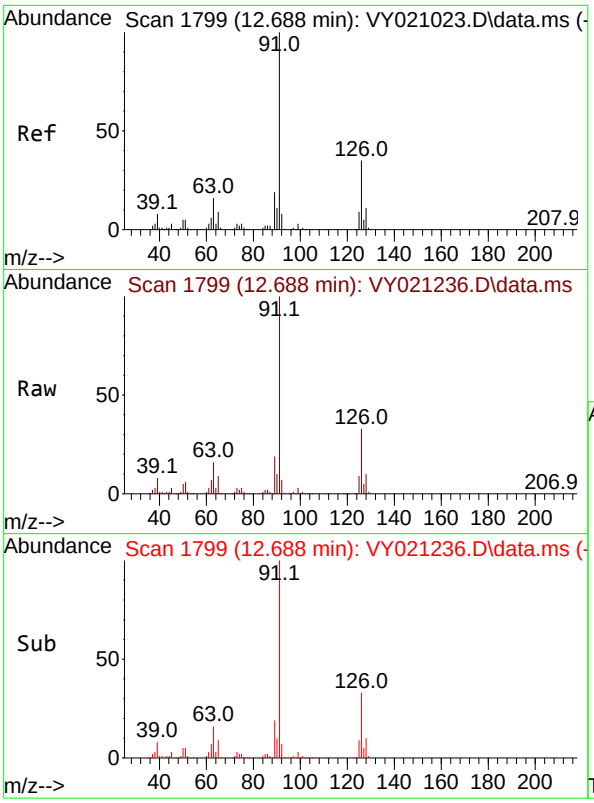


#78
n-propylbenzene
Concen: 51.330 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 605704

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.0	33.0



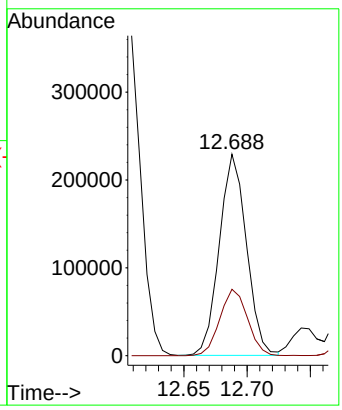


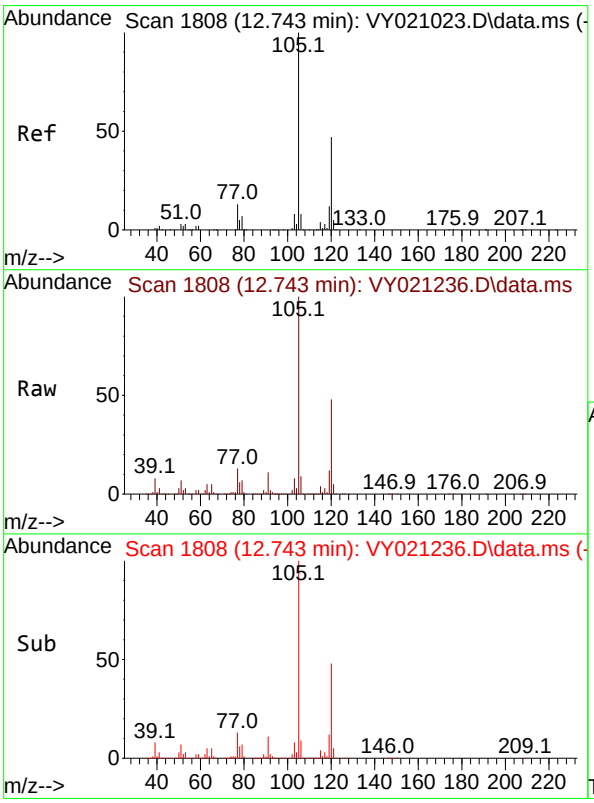
#79
2-Chlorotoluene
Concen: 50.565 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 341745

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	51.0

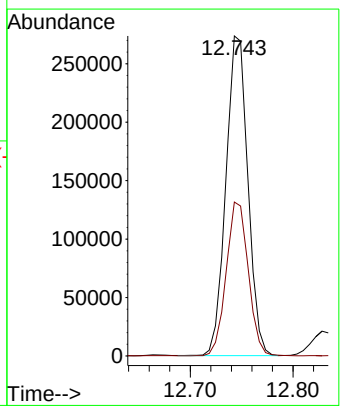


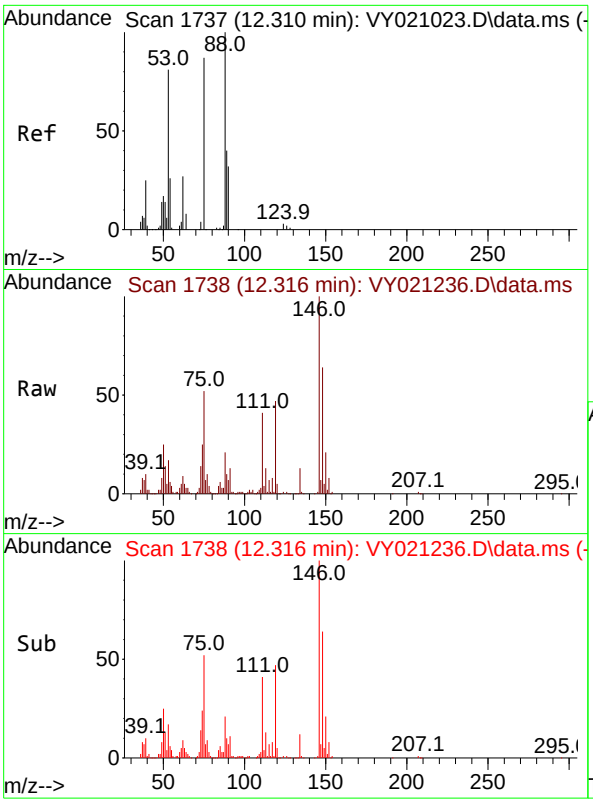


#80
1,3,5-Trimethylbenzene
Concen: 50.629 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 406625

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.8



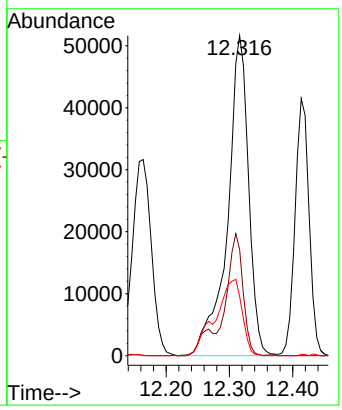


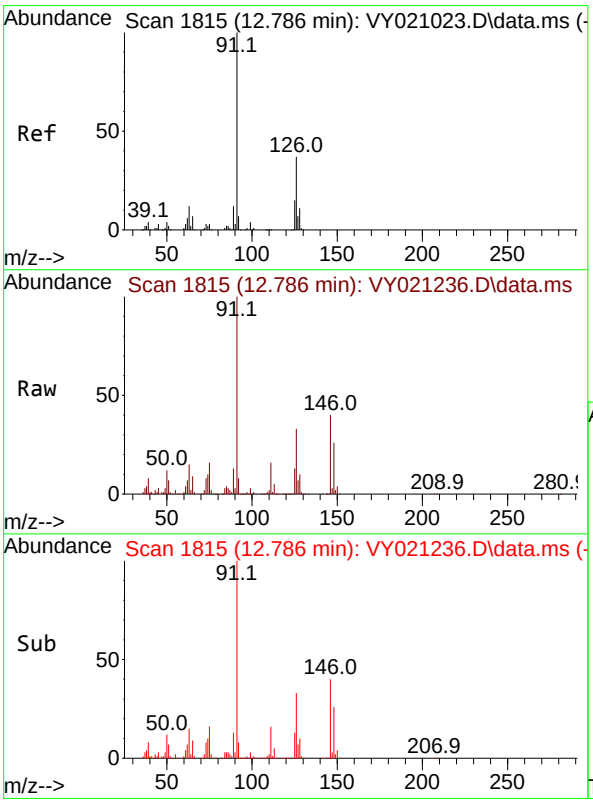
#81
trans-1,4-Dichloro-2-butene
Concen: 212.252 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 119661

Ion	Ratio	Lower	Upper
75	100		
53	29.2	74.0	111.0#
89	30.4	36.5	54.7#

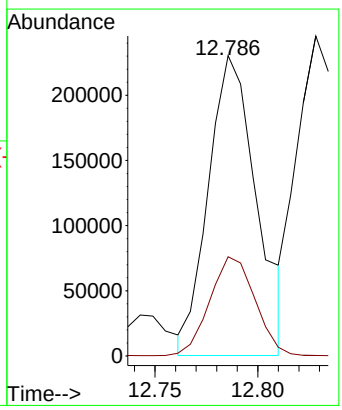


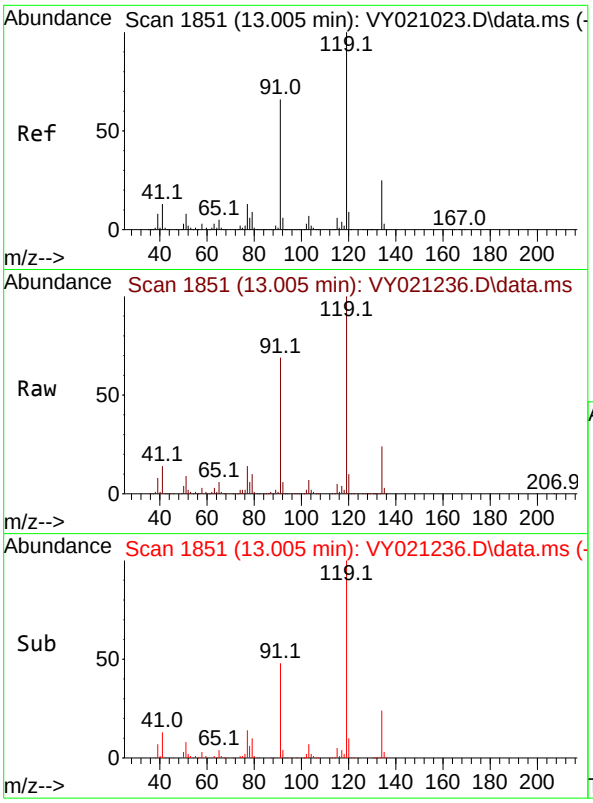


#82
4-Chlorotoluene
Concen: 54.307 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 373956

Ion	Ratio	Lower	Upper
91	100		
126	31.5	17.1	51.2



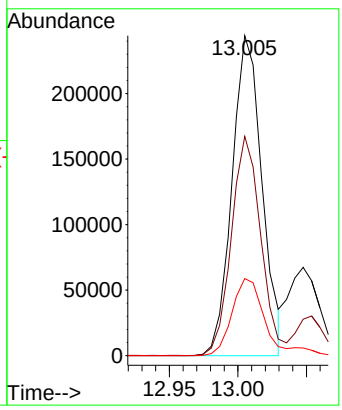


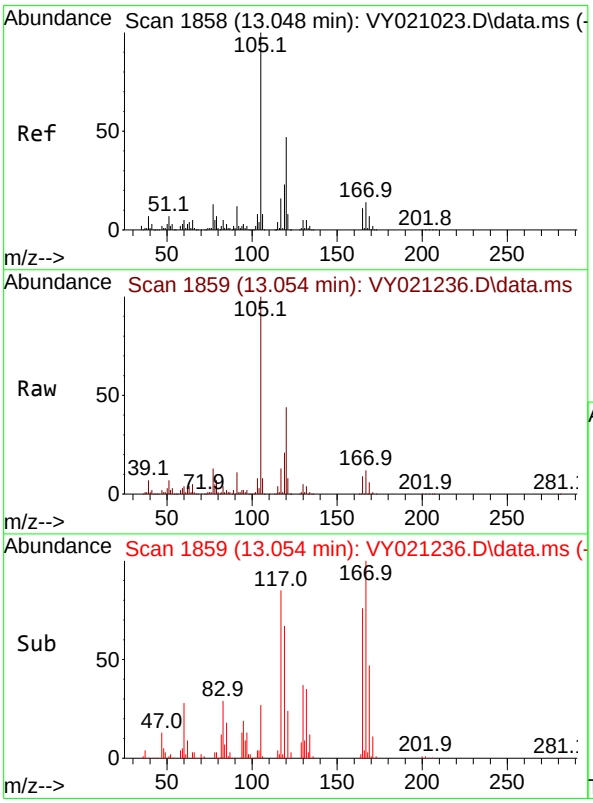
#83
tert-Butylbenzene
Concen: 50.825 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 371033

Ion	Ratio	Lower	Upper
119	100		
91	67.5	31.5	94.5
134	27.0	13.1	39.3

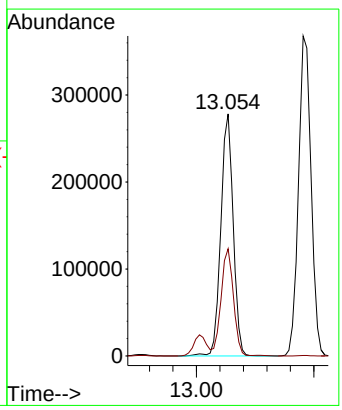


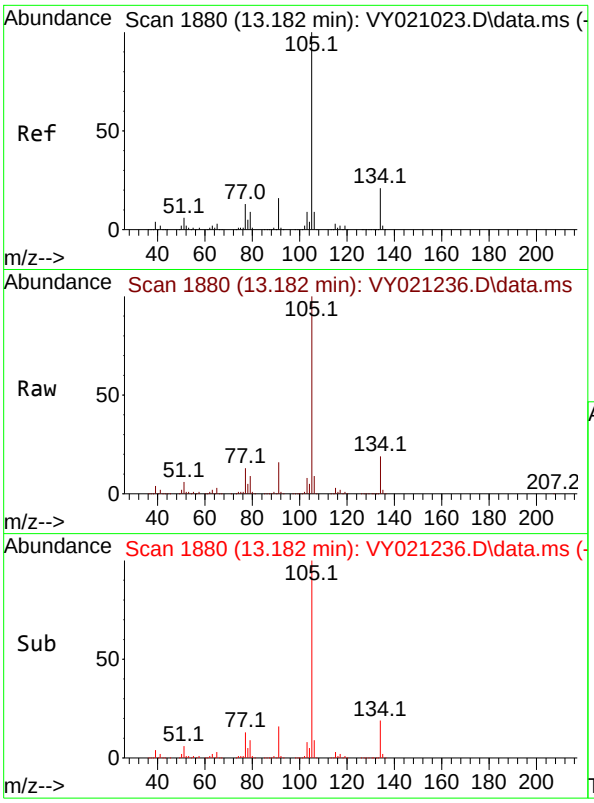


#84
1,2,4-Trimethylbenzene
Concen: 51.664 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 405711

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3



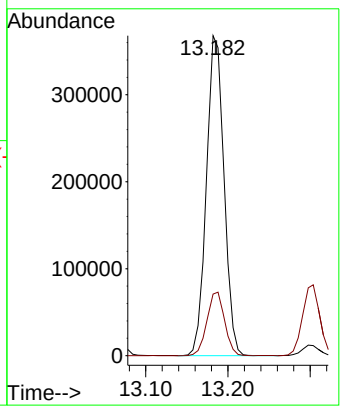


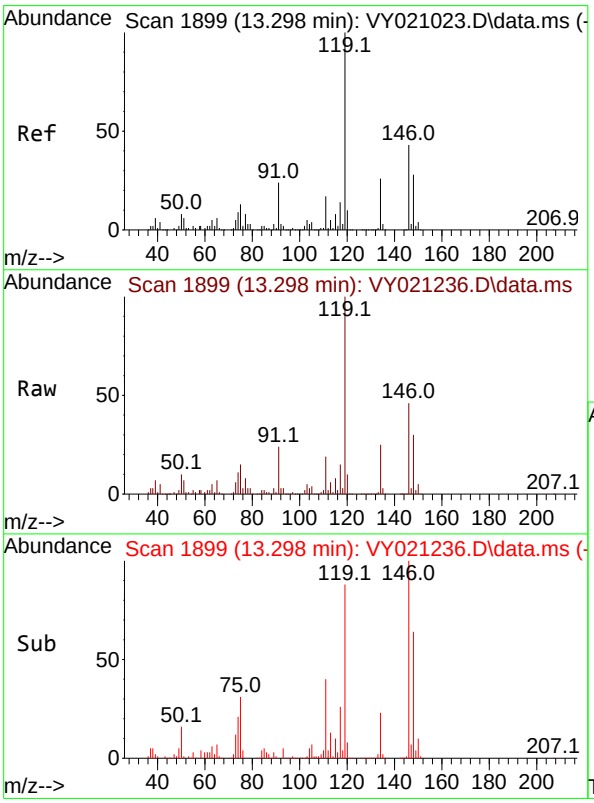
#85
sec-Butylbenzene
Concen: 52.143 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 547941

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9

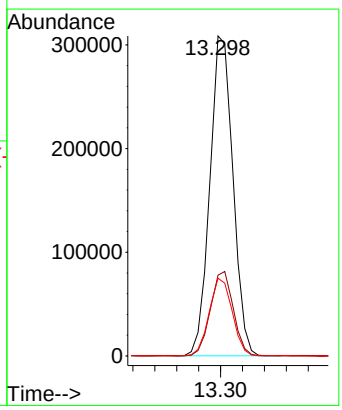


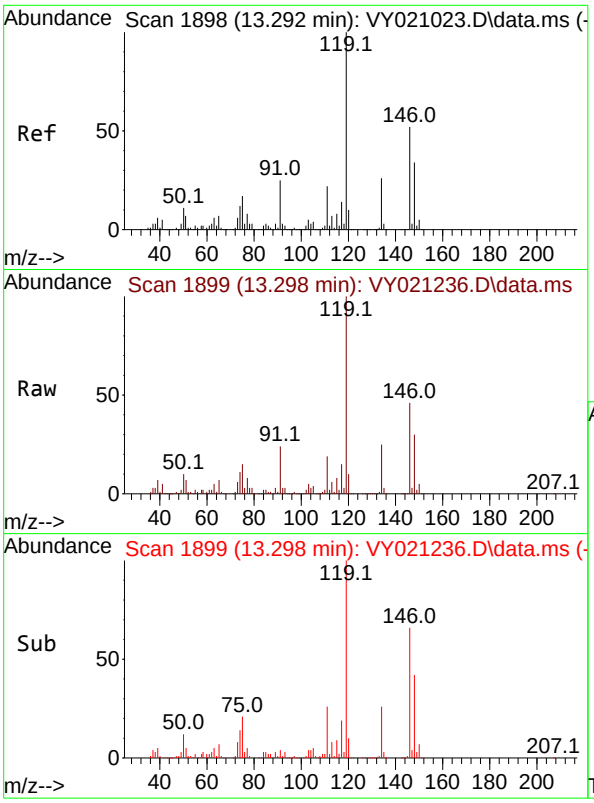


#86
p-Isopropyltoluene
Concen: 51.734 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:119 Resp: 451592

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.1	11.7	35.0



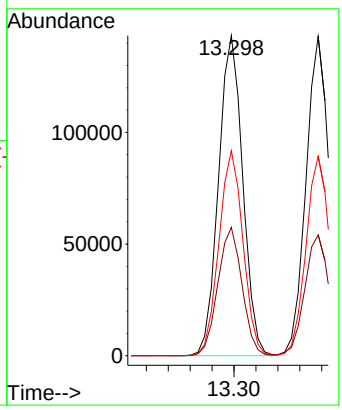


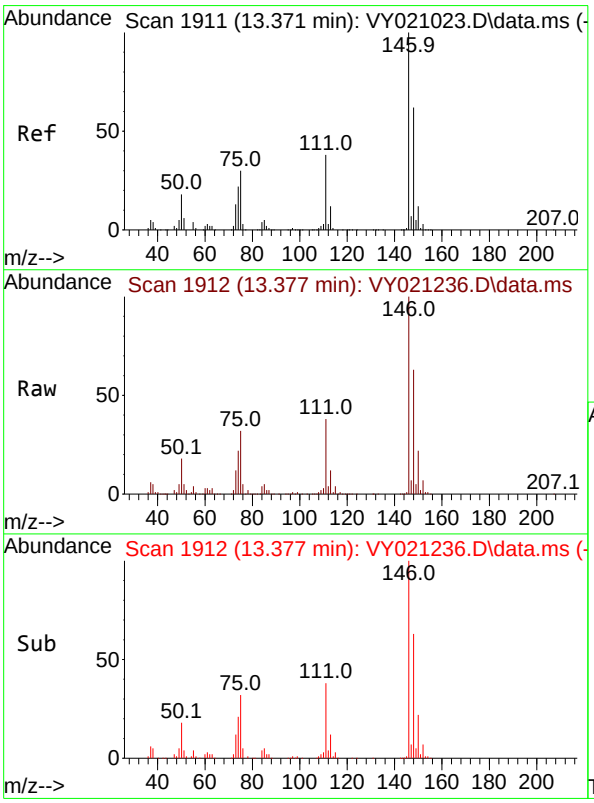
#87
1,3-Dichlorobenzene
Concen: 49.887 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 220193

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	63.7	31.9	95.9

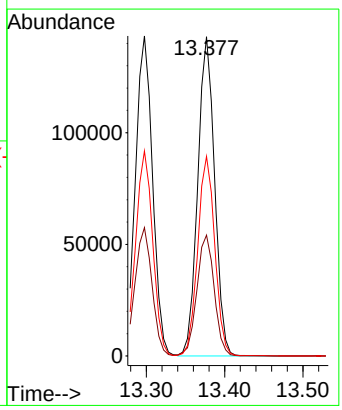


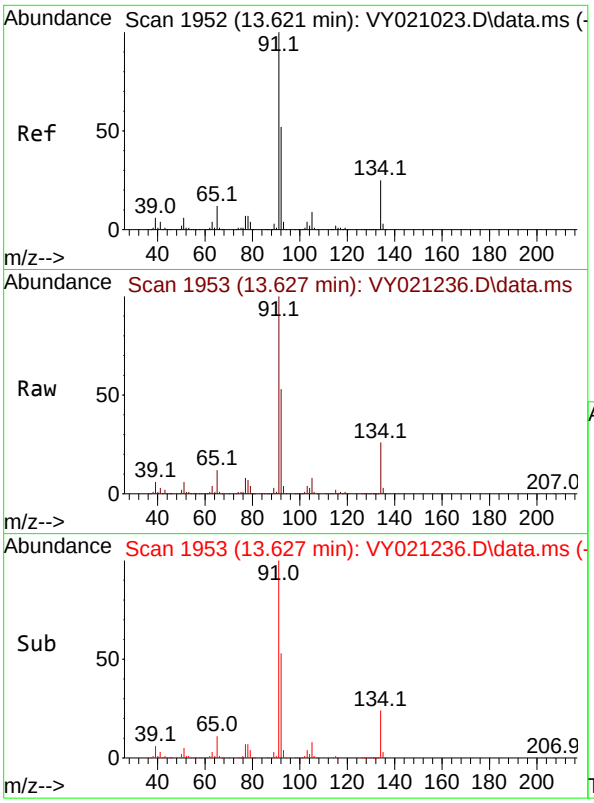


#88
1,4-Dichlorobenzene
Concen: 49.263 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 214096

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	63.3	31.6	94.7



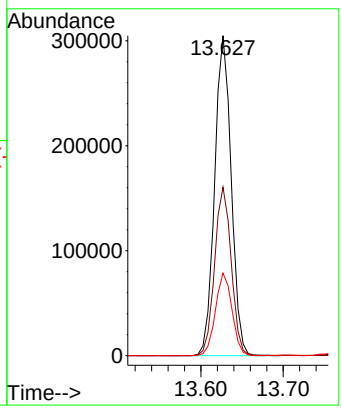


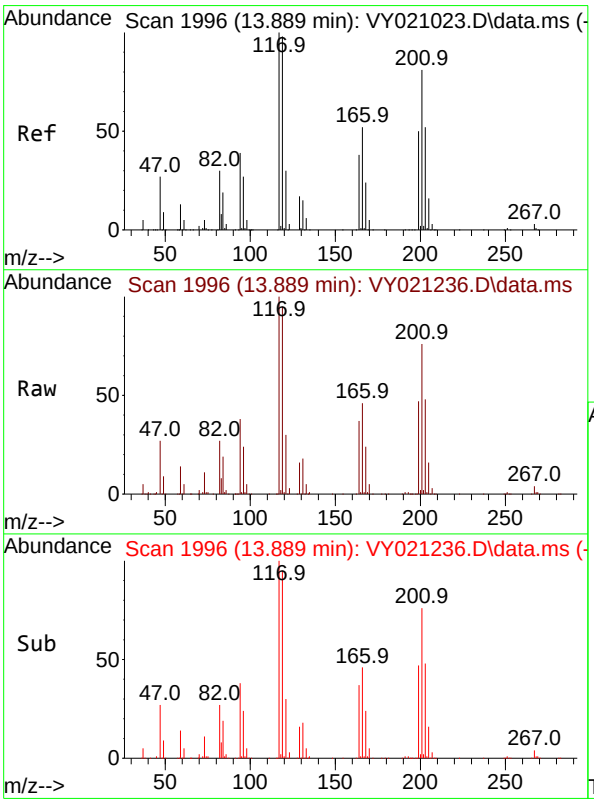
#89
n-Butylbenzene
Concen: 53.602 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 426856

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.7	12.3	36.8

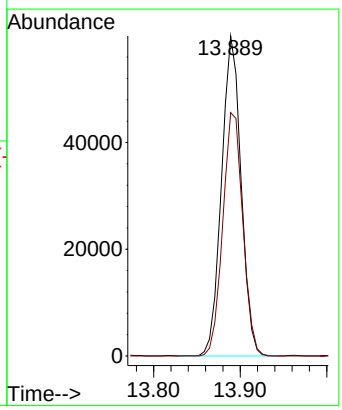


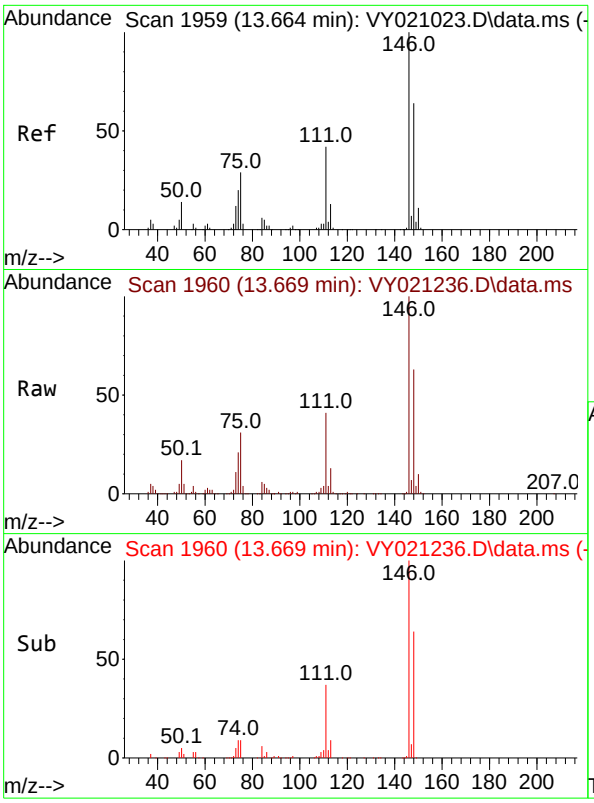


#90
Hexachloroethane
Concen: 51.535 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 93847

Ion	Ratio	Lower	Upper
117	100		
201	78.2	33.4	100.1



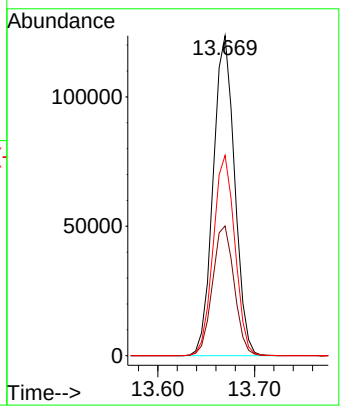


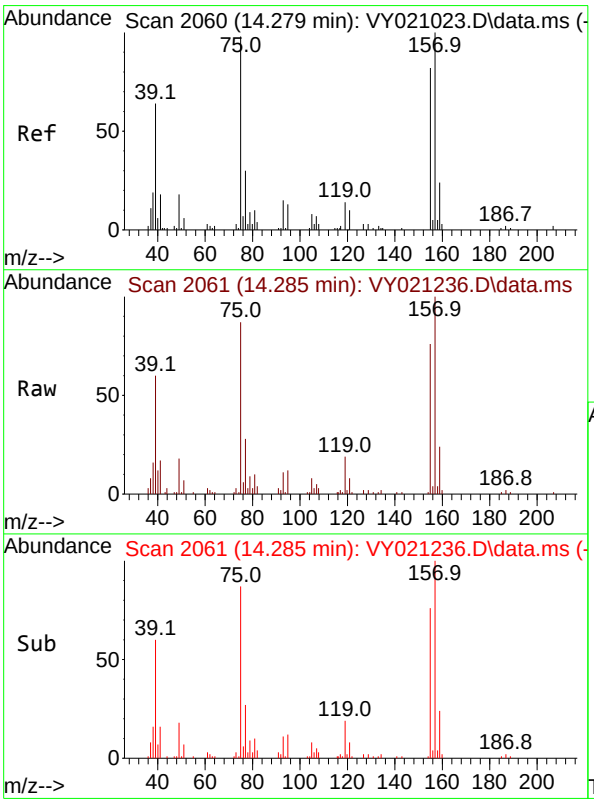
#91
1,2-Dichlorobenzene
Concen: 49.731 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 190520

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	63.2	31.4	94.3

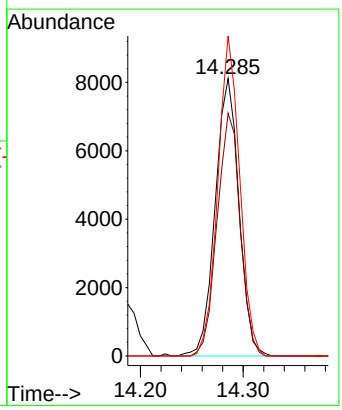


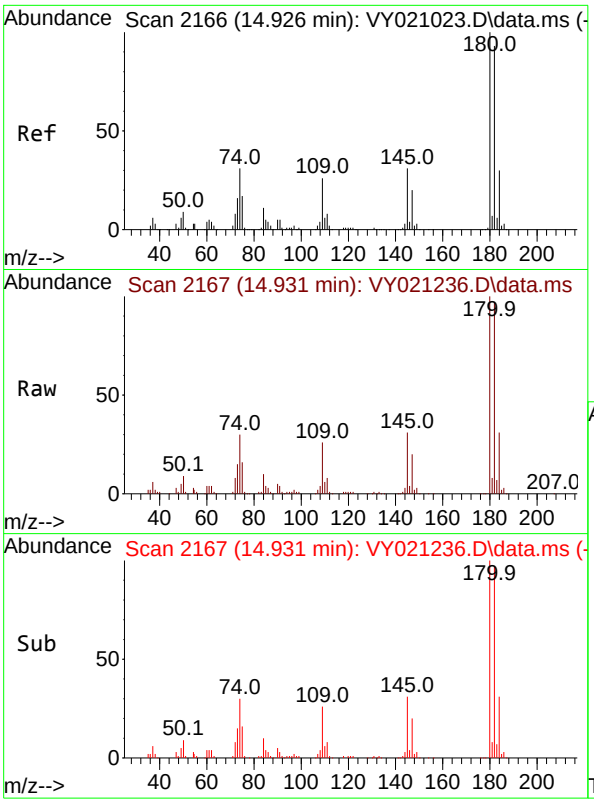


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.711 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 12977

Ion	Ratio	Lower	Upper
75	100		
155	84.9	42.1	126.3
157	106.7	55.8	167.4



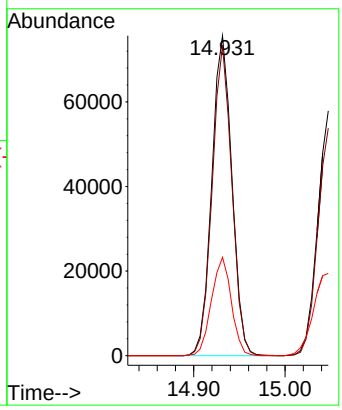


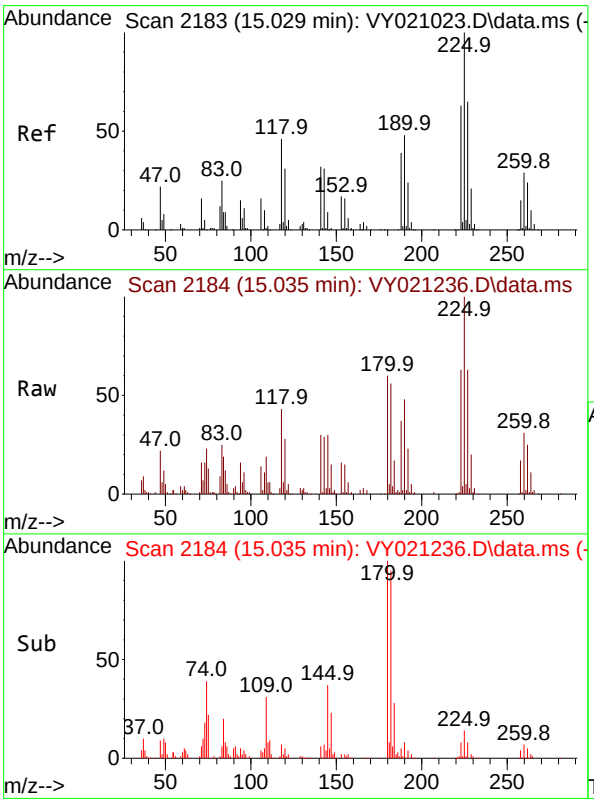
#93
1,2,4-Trichlorobenzene
Concen: 54.103 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 115371

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	30.4	15.9	47.7

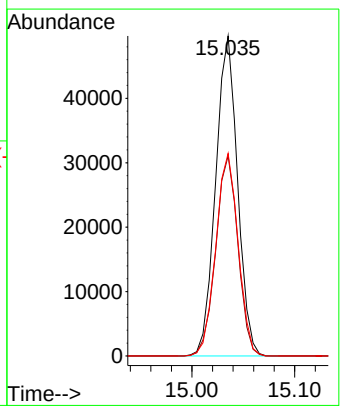


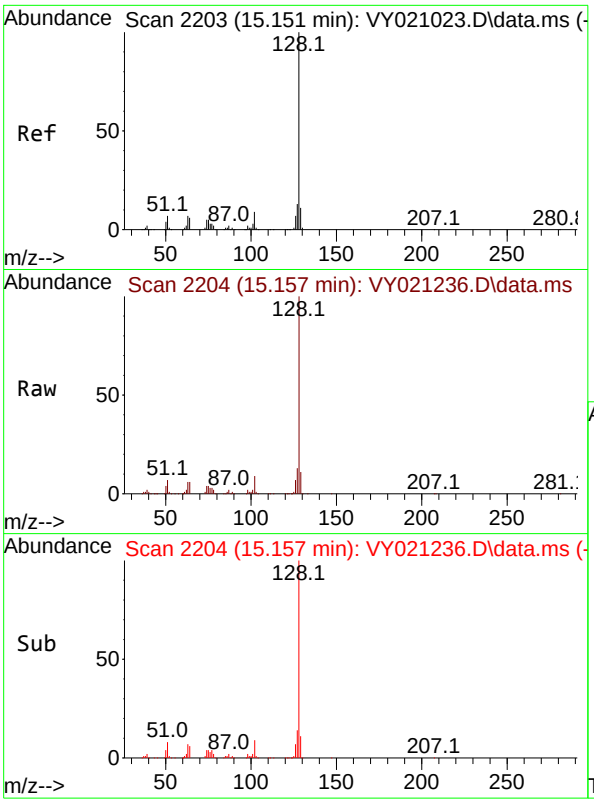


#94
Hexachlorobutadiene
Concen: 51.945 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:225 Resp: 73405

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.3
227	64.6	32.3	96.8



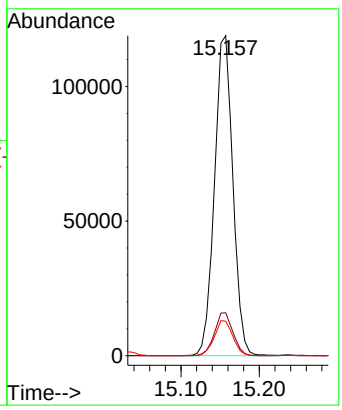


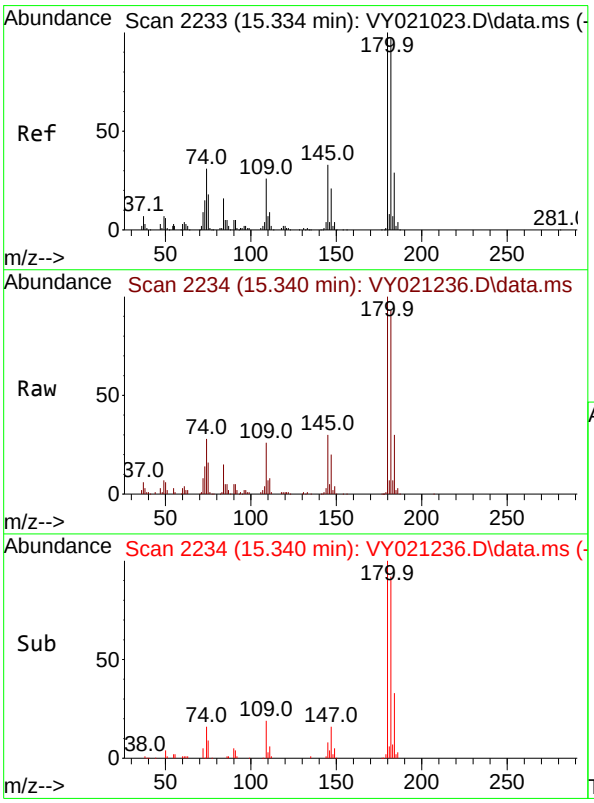
#95
Naphthalene
Concen: 56.964 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 194341

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.0	8.6	12.8

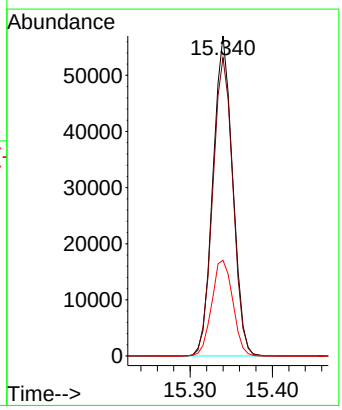




#96
1,2,3-Trichlorobenzene
Concen: 53.438 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:180 Resp: 94833

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.3	138.8
145	31.9	16.1	48.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	187422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	302089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	255752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	127239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	96623	50.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.640	113	94052	48.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.160%			
50) Toluene-d8	10.115	98	348838	47.329	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.660%			
62) 4-Bromofluorobenzene	12.414	95	121983	50.660	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46376	27.762	ug/l	95
3) Chloromethane	2.074	50	49490	30.024	ug/l	98
4) Vinyl Chloride	2.208	62	48103	28.993	ug/l	99
5) Bromomethane	2.604	94	28987	28.268	ug/l	97
6) Chloroethane	2.745	64	28721	29.080	ug/l	98
7) Trichlorofluoromethane	3.068	101	73884	24.443	ug/l	99
8) Diethyl Ether	3.464	74	21968	23.281	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.830	101	44280	23.341	ug/l	98
10) Methyl Iodide	4.019	142	48916	23.209	ug/l	93
11) Tert butyl alcohol	4.885	59	14572	111.981	ug/l #	92
12) 1,1-Dichloroethene	3.805	96	42418	23.737	ug/l	95
13) Acrolein	3.659	56	17095	85.311	ug/l	98
14) Allyl chloride	4.397	41	72775	24.163	ug/l	96
15) Acrylonitrile	5.067	53	44404	113.006	ug/l	98
16) Acetone	3.885	43	39310	131.268	ug/l	94
17) Carbon Disulfide	4.116	76	137791	24.590	ug/l	99
18) Methyl Acetate	4.391	43	23178	22.048	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	105645	23.389	ug/l	97
20) Methylene Chloride	4.628	84	45224	24.293	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	45969	23.369	ug/l	97
22) Diisopropyl ether	6.025	45	150882	24.305	ug/l	93
23) Vinyl Acetate	5.970	43	412742	119.267	ug/l	98
24) 1,1-Dichloroethane	5.927	63	85267	23.444	ug/l	98
25) 2-Butanone	6.909	43	58186	118.240	ug/l	96
26) 2,2-Dichloropropane	6.890	77	77868	23.138	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	51981	22.958	ug/l	91
28) Bromochloromethane	7.256	49	29792	20.715	ug/l	100
29) Tetrahydrofuran	7.268	42	38714	116.263	ug/l	95
30) Chloroform	7.433	83	86955	23.276	ug/l	99
31) Cyclohexane	7.707	56	77540	23.674	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78817	22.692	ug/l	100
36) 1,1-Dichloropropene	7.841	75	63470	22.134	ug/l	99
37) Ethyl Acetate	6.994	43	28755	22.858	ug/l	100
38) Carbon Tetrachloride	7.823	117	71680	21.393	ug/l	99
39) Methylcyclohexane	9.115	83	79691	22.720	ug/l	98
40) Benzene	8.085	78	190547	22.643	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	14636	20.111	ug/l		95
42) 1,2-Dichloroethane	8.164	62	52885	22.655	ug/l		96
43) Isopropyl Acetate	8.201	43	54845	21.942	ug/l		98
44) Trichloroethene	8.872	130	47883	22.024	ug/l		92
45) 1,2-Dichloropropane	9.146	63	45225	22.642	ug/l		98
46) Dibromomethane	9.237	93	23475	21.227	ug/l		95
47) Bromodichloromethane	9.432	83	65662	22.139	ug/l		95
48) Methyl methacrylate	9.225	41	26336	23.131	ug/l		94
49) 1,4-Dioxane	9.243	88	4617	448.469	ug/l		91
51) 4-Methyl-2-Pentanone	10.006	43	138316	110.039	ug/l		96
52) Toluene	10.176	92	119448	22.606	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	58250	21.872	ug/l		95
54) cis-1,3-Dichloropropene	9.865	75	69958	22.186	ug/l		93
55) 1,1,2-Trichloroethane	10.579	97	31141	21.745	ug/l		96
56) Ethyl methacrylate	10.444	69	41640	21.735	ug/l		93
57) 1,3-Dichloropropane	10.725	76	55442	22.367	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	92595	101.594	ug/l		99
59) 2-Hexanone	10.768	43	89716	110.855	ug/l		96
60) Dibromochloromethane	10.920	129	43058	21.410	ug/l		97
61) 1,2-Dibromoethane	11.018	107	29203	21.771	ug/l		98
64) Tetrachloroethene	10.652	164	41352	21.781	ug/l		96
65) Chlorobenzene	11.450	112	124714	21.900	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	44369	21.924	ug/l		98
67) Ethyl Benzene	11.524	91	220992	21.940	ug/l		99
68) m/p-Xylenes	11.633	106	170065	45.133	ug/l		98
69) o-Xylene	11.963	106	78675	22.395	ug/l		96
70) Styrene	11.975	104	130042	22.209	ug/l		97
71) Bromoform	12.139	173	24089	21.385	ug/l	#	98
73) Isopropylbenzene	12.261	105	211405	21.270	ug/l		100
74) N-amyl acetate	12.078	43	45761	21.059	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	34149	20.659	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	45907	39.773	ug/l	#	100
77) Bromobenzene	12.542	156	47410	20.670	ug/l		96
78) n-propylbenzene	12.603	91	255730	21.599	ug/l		99
79) 2-Chlorotoluene	12.688	91	145452	21.449	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	173873	21.577	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	11131	19.678	ug/l		87
82) 4-Chlorotoluene	12.786	91	151381	21.910	ug/l		98
83) tert-Butylbenzene	13.005	119	155556	21.237	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	170537	21.644	ug/l		100
85) sec-Butylbenzene	13.182	105	222457	21.099	ug/l		98
86) p-Isopropyltoluene	13.298	119	185286	21.155	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	93571	21.128	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	92191	21.142	ug/l		99
89) n-Butylbenzene	13.627	91	169011	21.153	ug/l		98
90) Hexachloroethane	13.889	117	38075	20.838	ug/l		88
91) 1,2-Dichlorobenzene	13.663	146	80080	20.833	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5034	20.379	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	44493	20.795	ug/l		98
94) Hexachlorobutadiene	15.029	225	29370	20.714	ug/l		98
95) Naphthalene	15.151	128	69571	20.324	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	36476	20.486	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

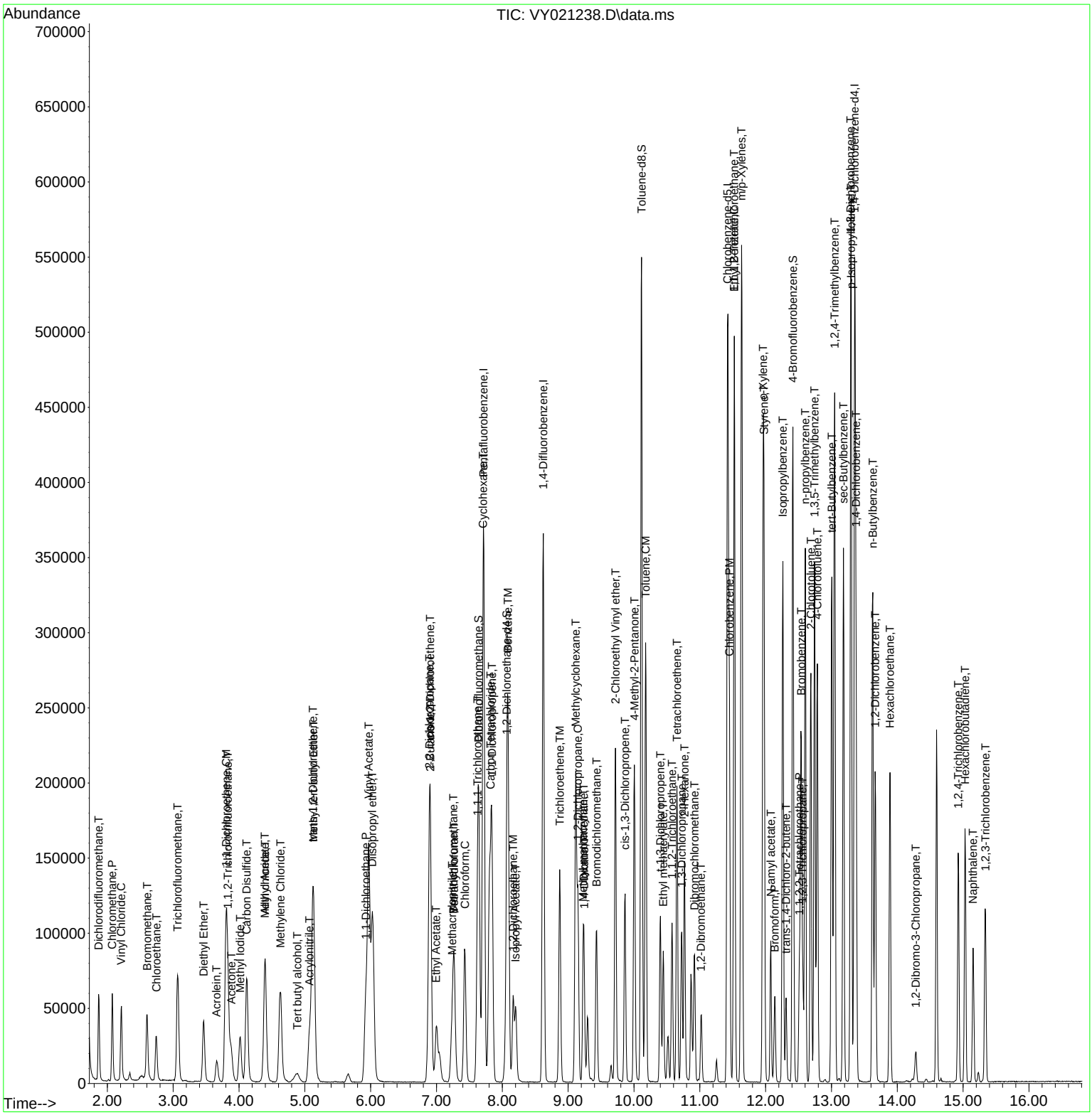
(#) = qualifier out of range (m) = manual integration (+) = signals summed

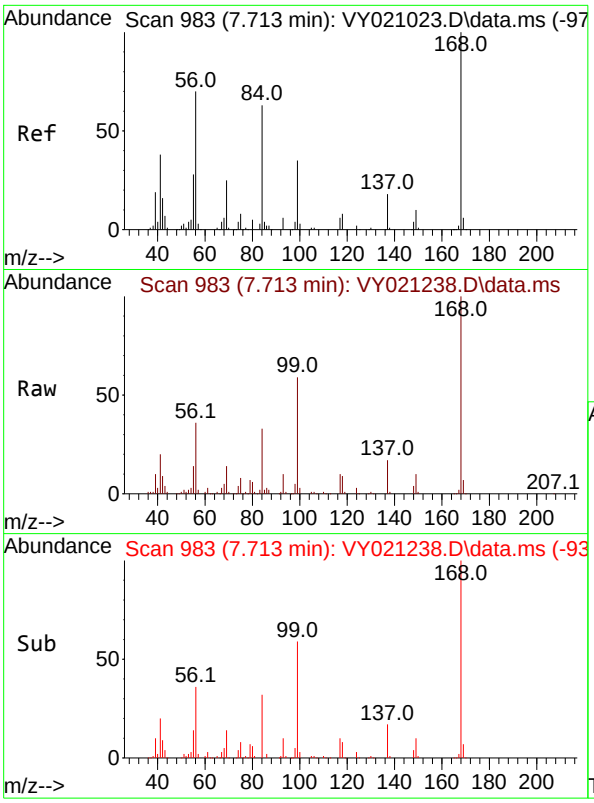
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



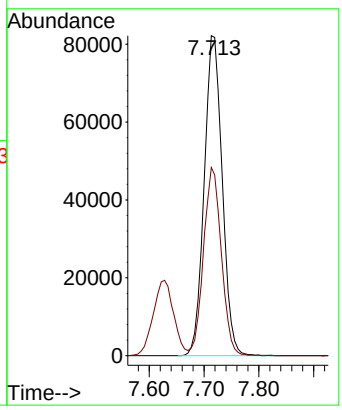


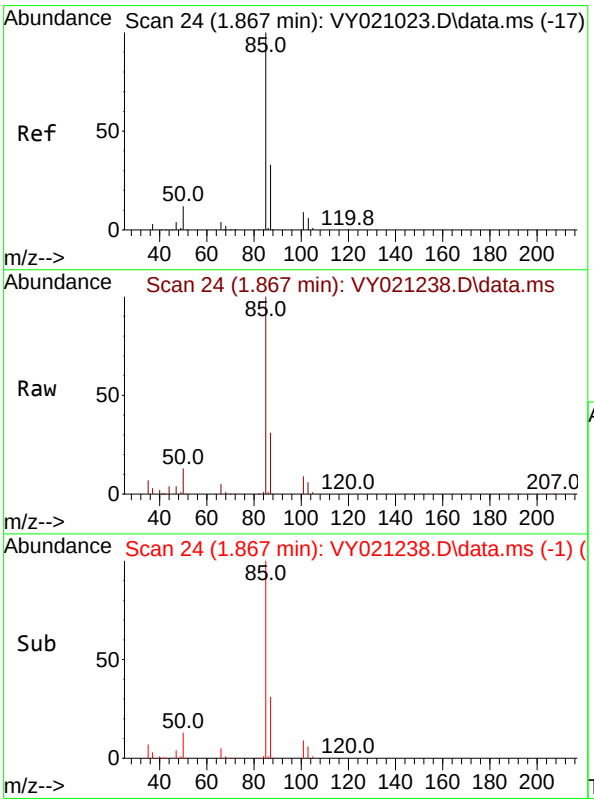
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:168 Resp: 187422

Ion	Ratio	Lower	Upper
168	100		
99	58.8	44.2	66.4

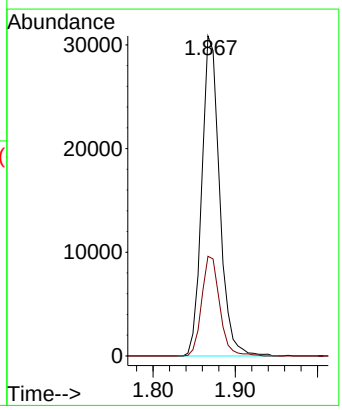


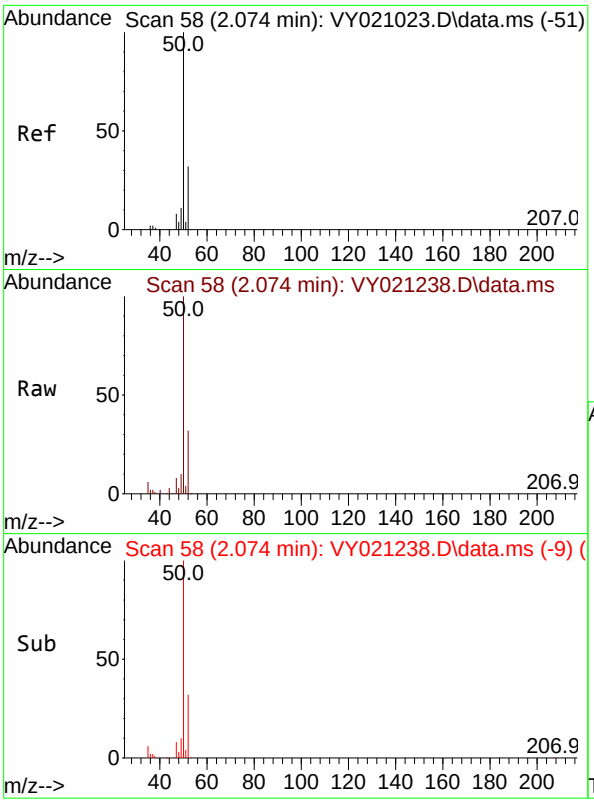


#2
Dichlorodifluoromethane
Concen: 27.762 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 85 Resp: 46376

Ion	Ratio	Lower	Upper
85	100		
87	31.1	17.1	51.3



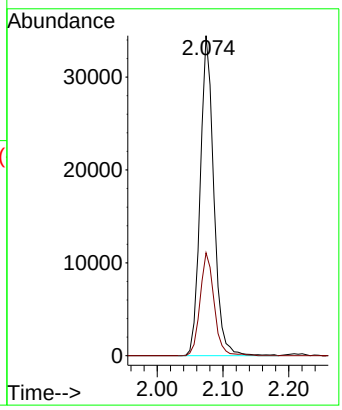


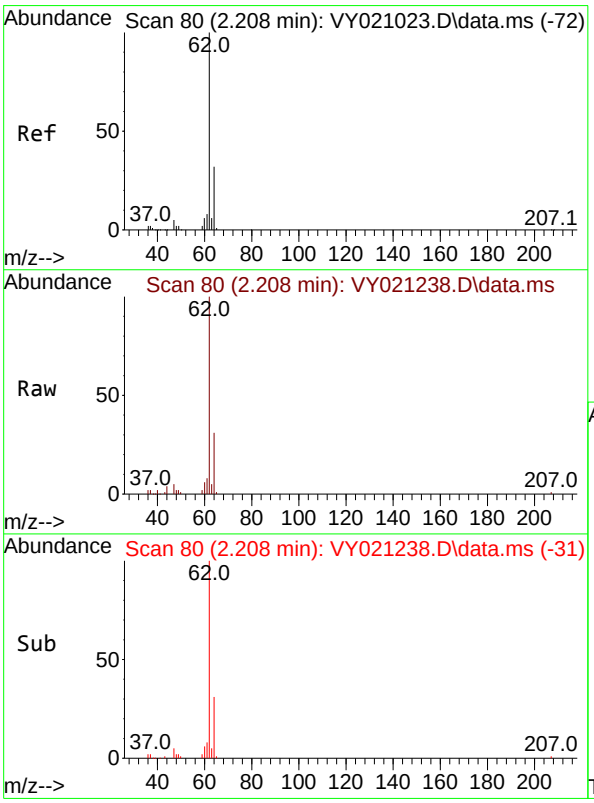
#3
Chloromethane
Concen: 30.024 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 50 Resp: 49490

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.7	40.1

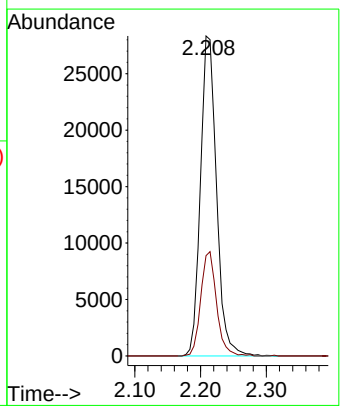


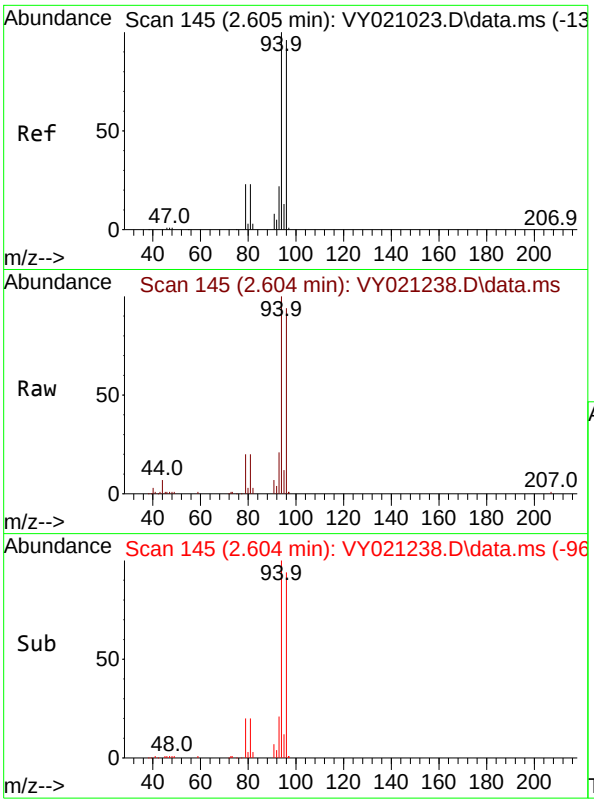


#4
Vinyl Chloride
Concen: 28.993 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 48103

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.7	38.5



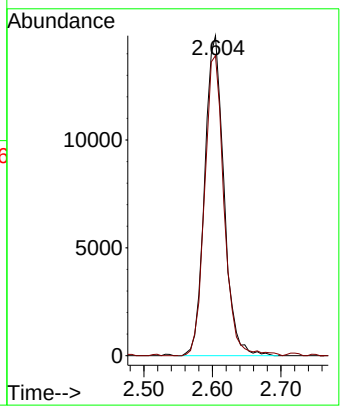


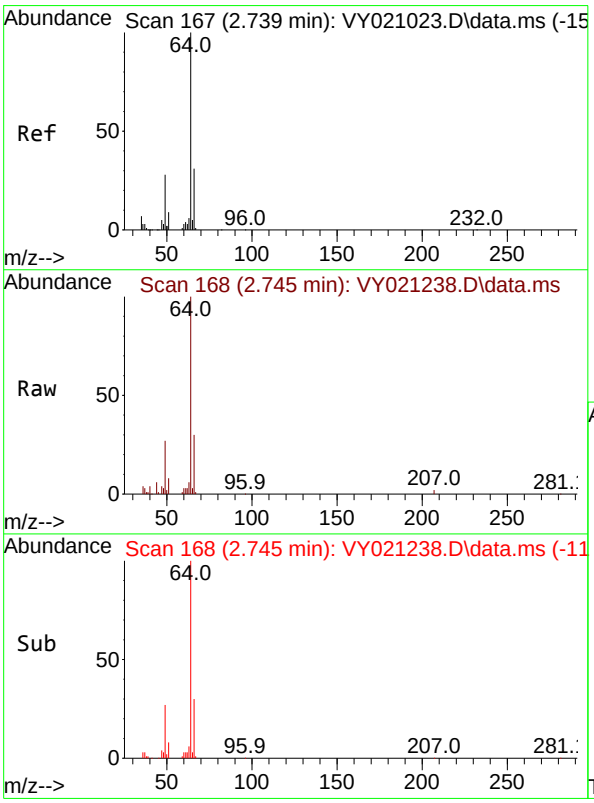
#5
Bromomethane
Concen: 28.268 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 94 Resp: 28987

Ion	Ratio	Lower	Upper
94	100		
96	93.8	77.3	115.9

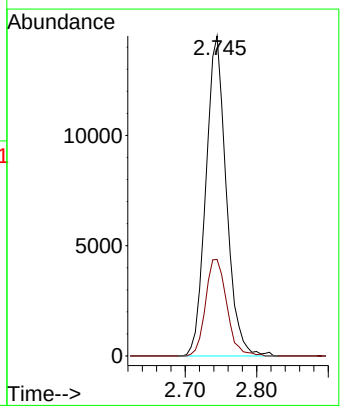


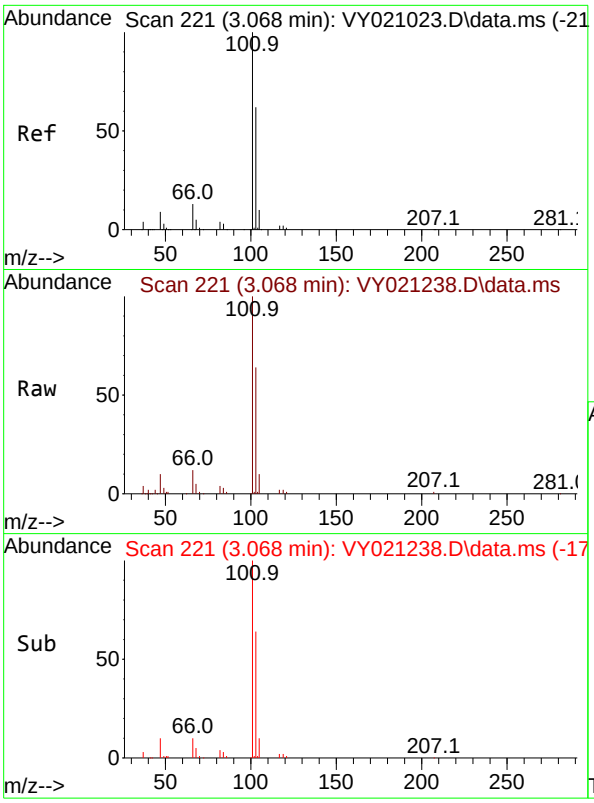


#6
Chloroethane
Concen: 29.080 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 64 Resp: 28721

Ion	Ratio	Lower	Upper
64	100		
66	30.2	25.1	37.7



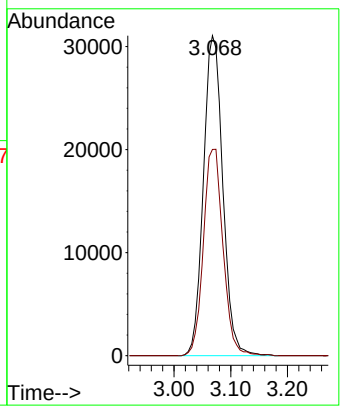


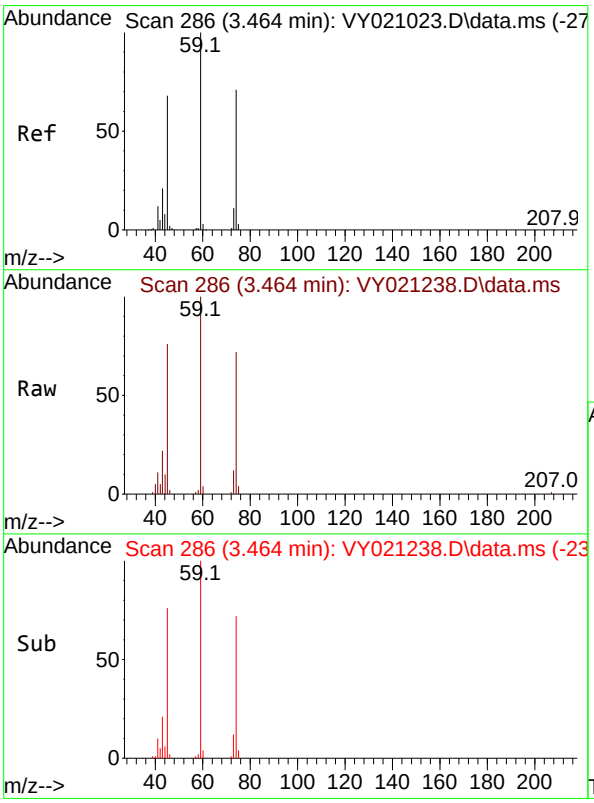
#7
Trichlorofluoromethane
Concen: 24.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:101 Resp: 73884

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

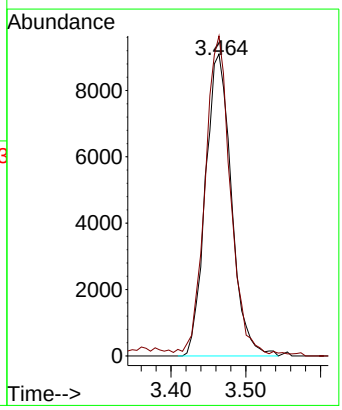


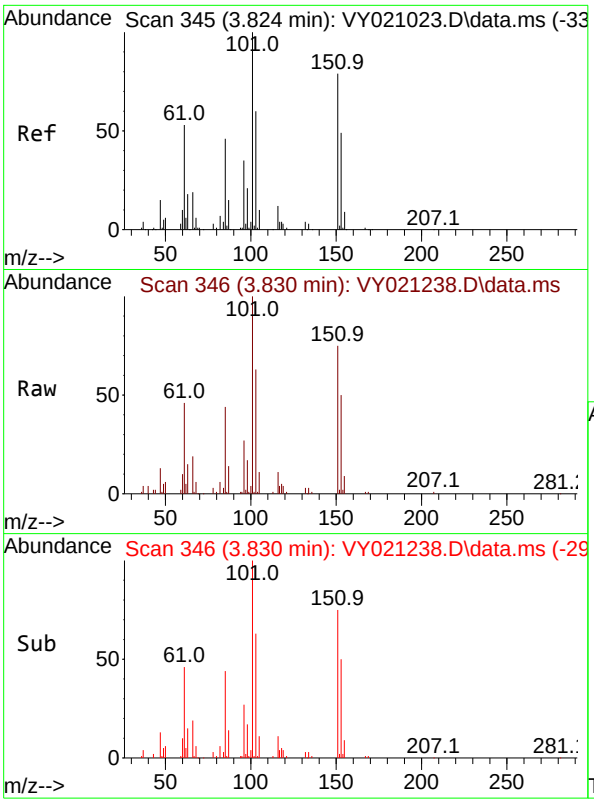


#8
Diethyl Ether
Concen: 23.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 74 Resp: 21968

Ion	Ratio	Lower	Upper
74	100		
45	101.4	47.9	143.7



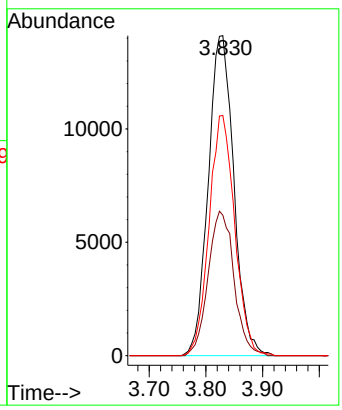


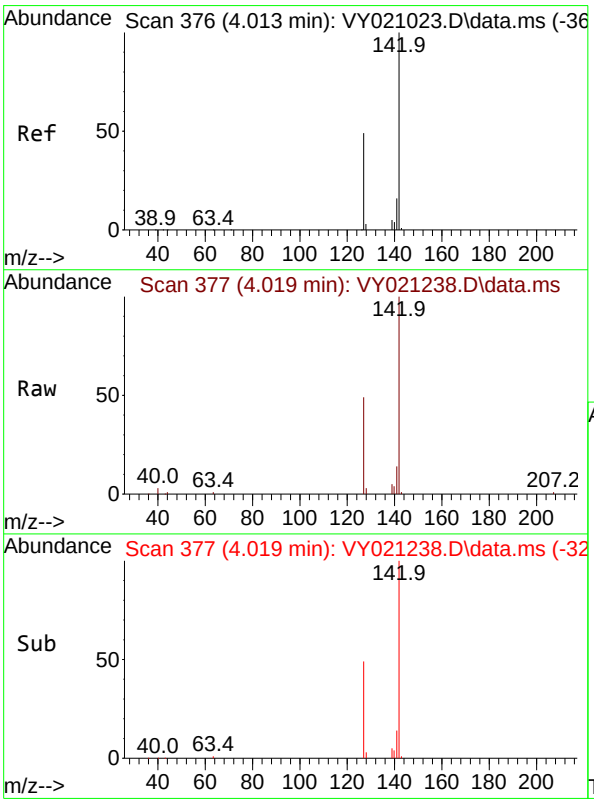
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.341 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:101 Resp: 44280

Ion	Ratio	Lower	Upper
101	100		
85	45.6	35.8	53.6
151	75.2	58.6	88.0

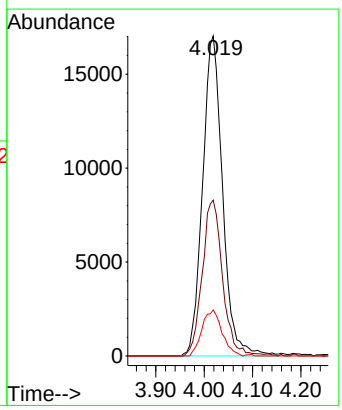


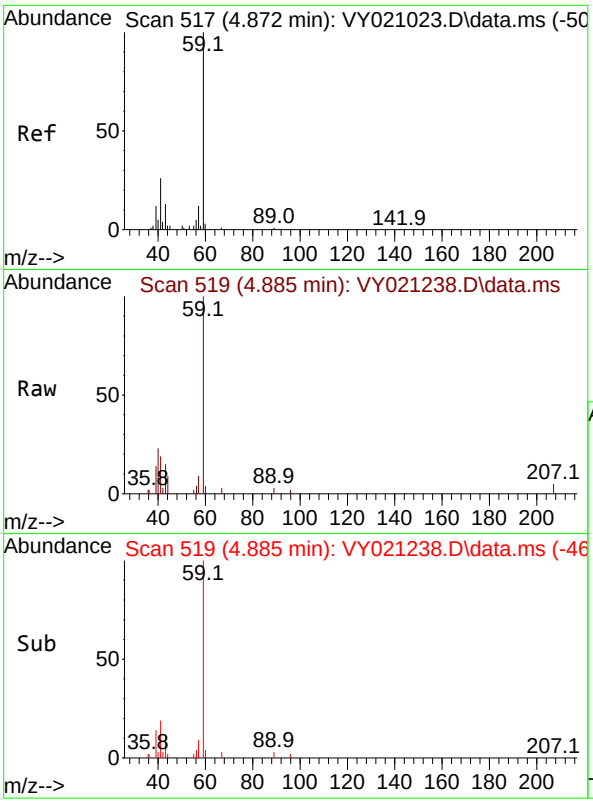


#10
Methyl Iodide
Concen: 23.209 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:142 Resp: 48916

Ion	Ratio	Lower	Upper
142	100		
127	49.7	35.1	52.7
141	14.4	11.8	17.6



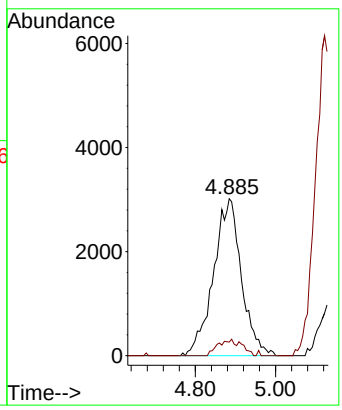


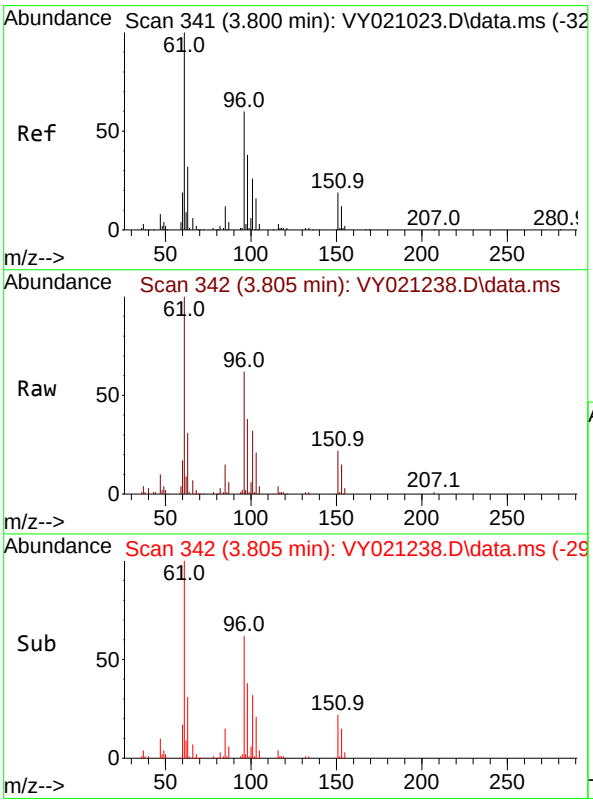
#11
Tert butyl alcohol
Concen: 111.981 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 59 Resp: 14572

Ion	Ratio	Lower	Upper
59	100		
57	6.3	7.4	11.0#

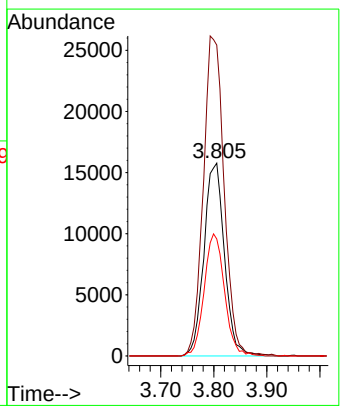


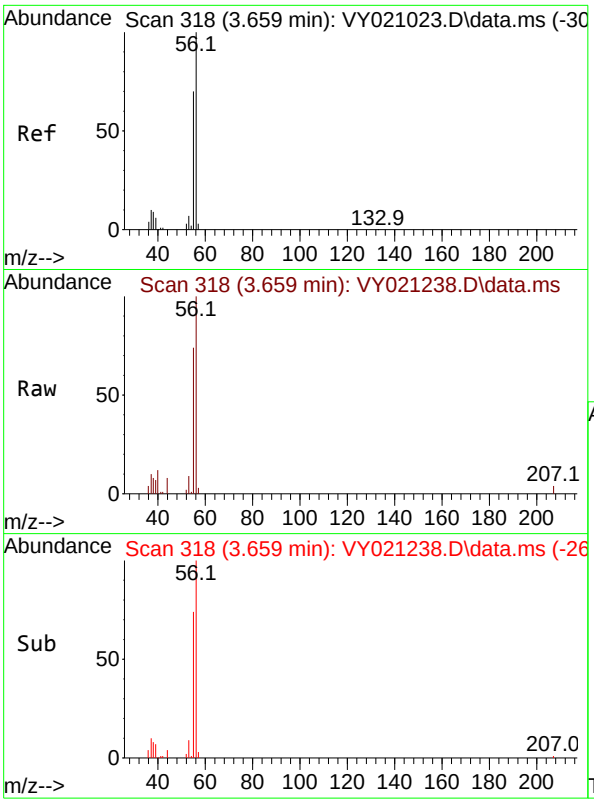


#12
1,1-Dichloroethene
Concen: 23.737 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 42418

Ion	Ratio	Lower	Upper
96	100		
61	161.2	124.2	186.2
98	60.7	52.6	79.0



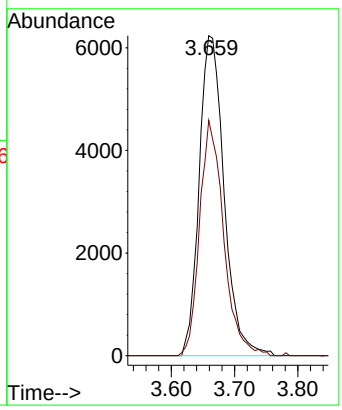


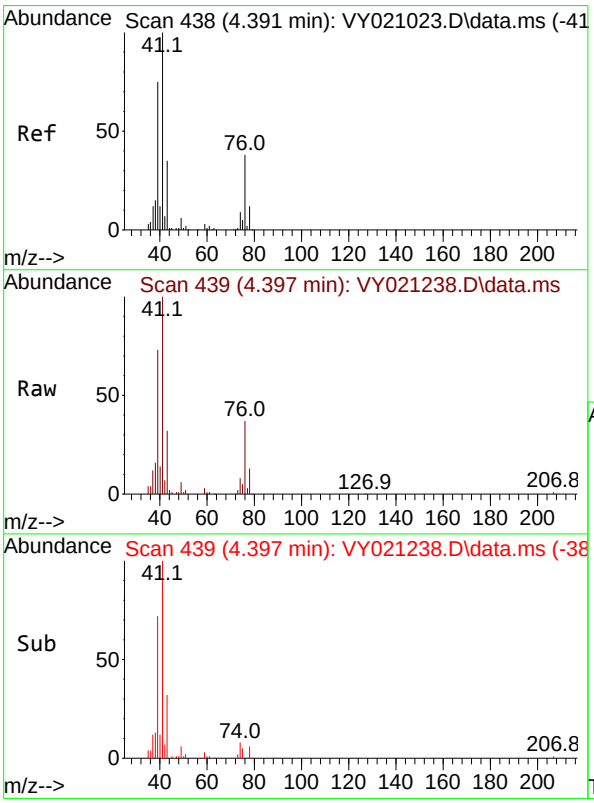
#13
Acrolein
Concen: 85.311 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 56 Resp: 17095

Ion	Ratio	Lower	Upper
56	100		
55	70.7	55.4	83.0

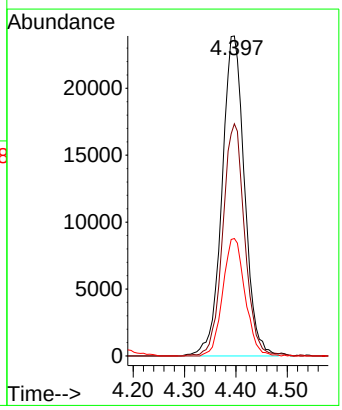


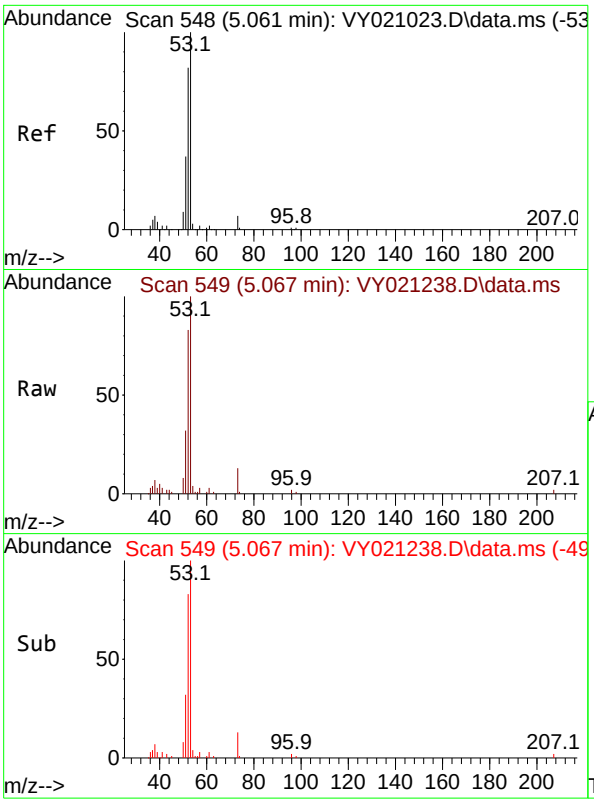


#14
Allyl chloride
Concen: 24.163 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 72775

Ion	Ratio	Lower	Upper
41	100		
39	70.8	54.7	82.1
76	36.3	31.8	47.6



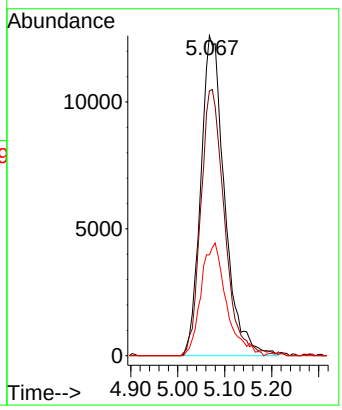


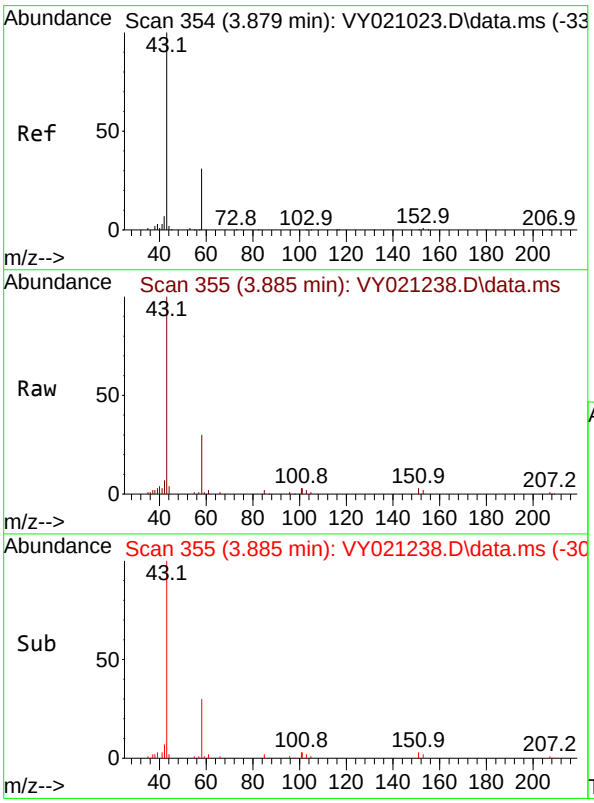
#15
Acrylonitrile
Concen: 113.006 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 53 Resp: 44404

Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.1	97.7
51	37.4	29.0	43.4

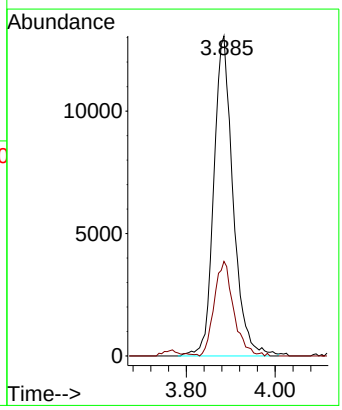


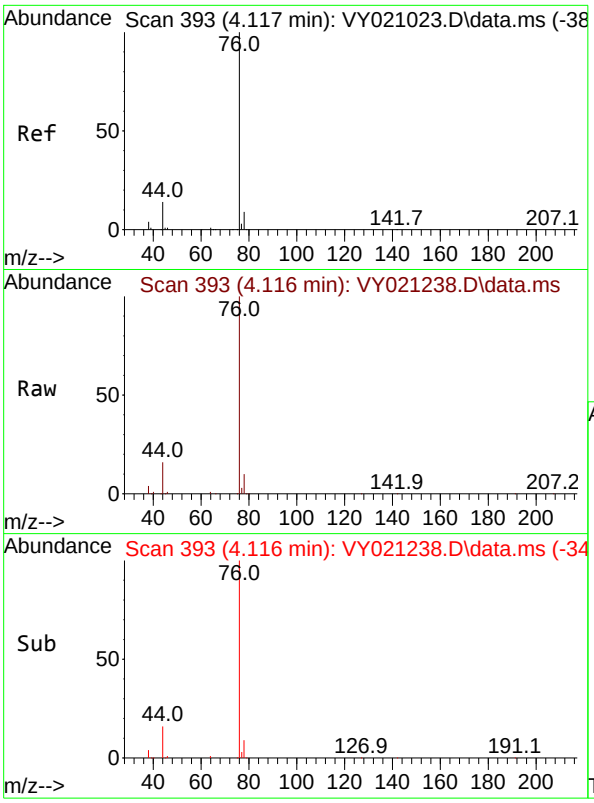


#16
Acetone
Concen: 131.268 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 39310

Ion	Ratio	Lower	Upper
43	100		
58	29.6	26.6	39.8



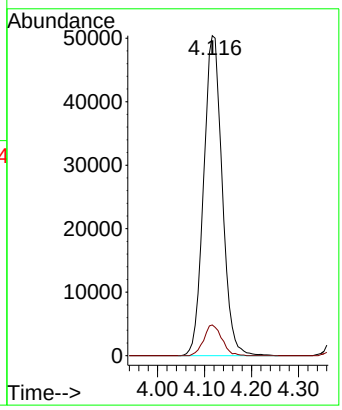


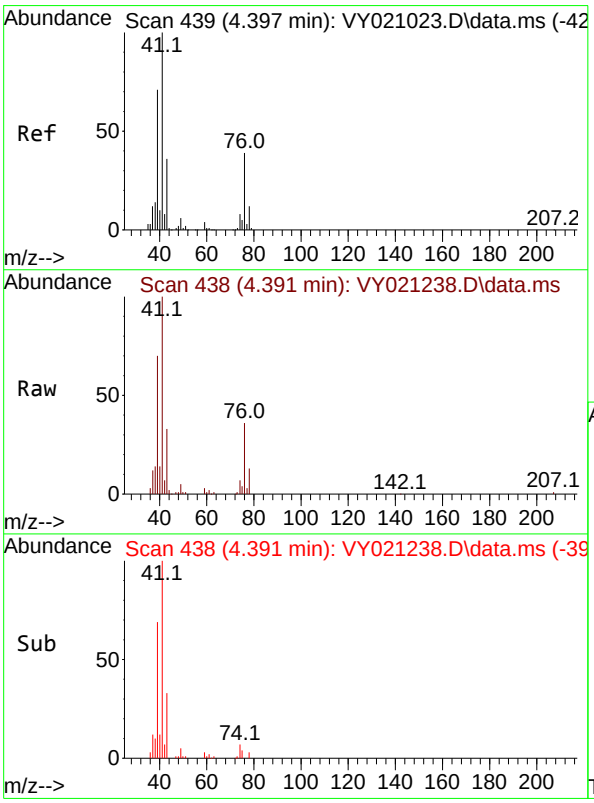
#17
Carbon Disulfide
Concen: 24.590 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 76 Resp: 137791

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

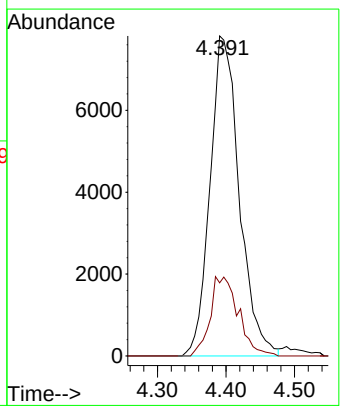


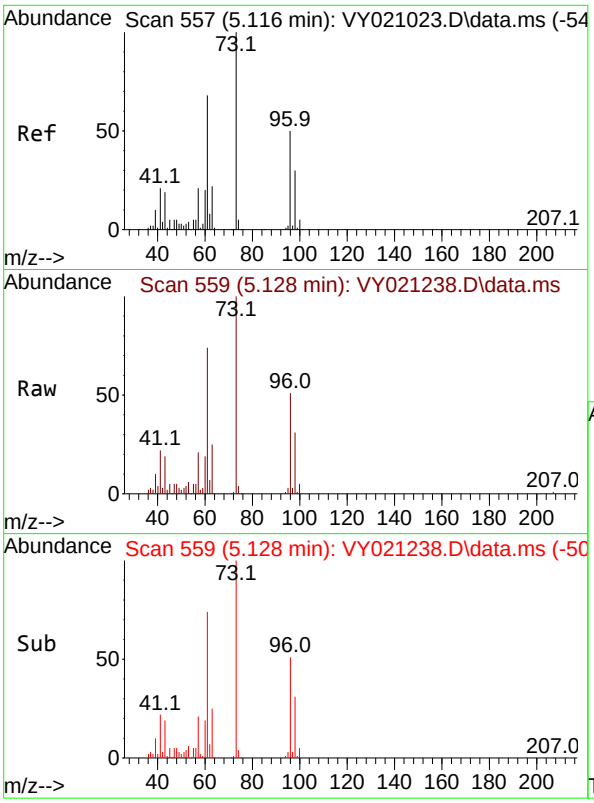


#18
Methyl Acetate
Concen: 22.048 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 23178

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.8	29.6



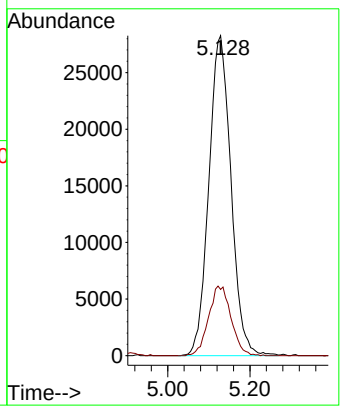


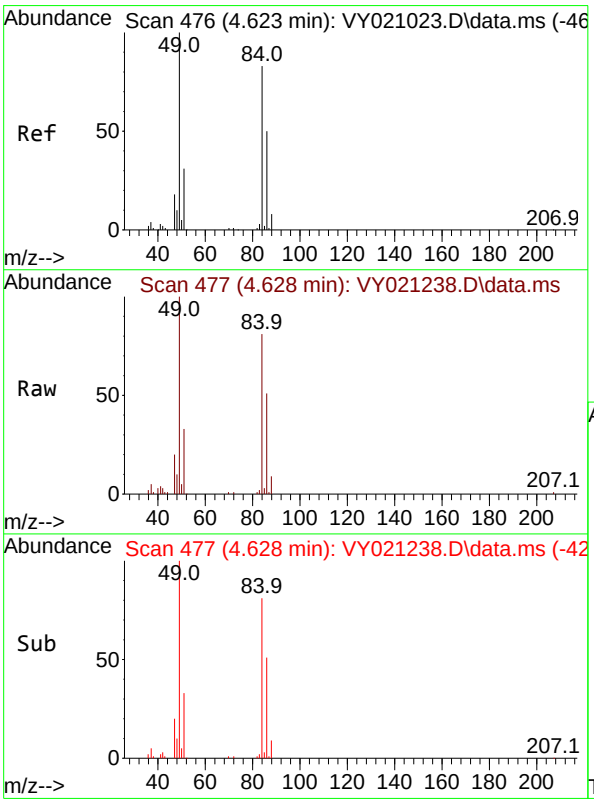
#19
Methyl tert-butyl Ether
Concen: 23.389 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 73 Resp: 105645

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5

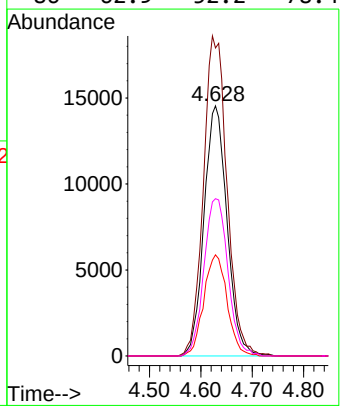


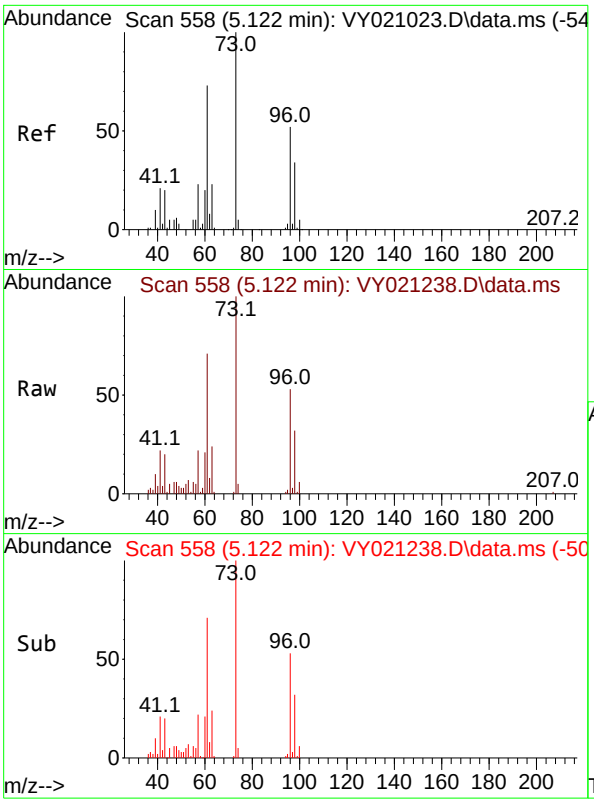


#20
Methylene Chloride
Concen: 24.293 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 84 Resp: 45224

Ion	Ratio	Lower	Upper
84	100		
49	123.1	95.2	142.8
51	40.4	29.9	44.9
86	62.9	52.2	78.4



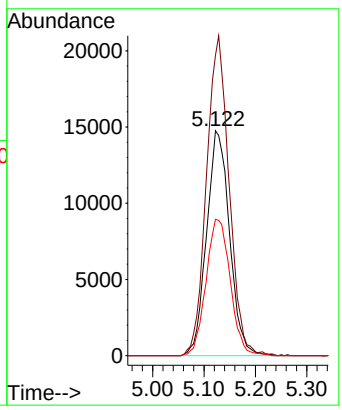


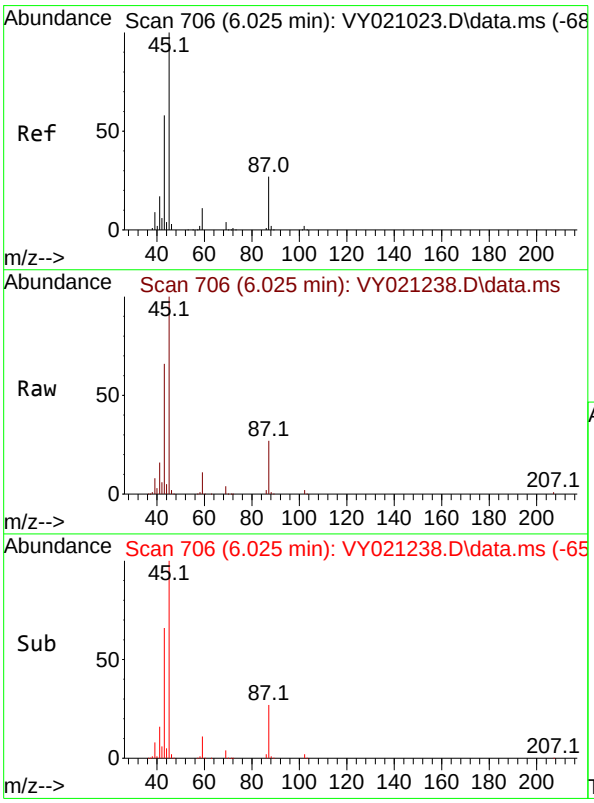
#21
trans-1,2-Dichloroethene
Concen: 23.369 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 96 Resp: 45969

Ion	Ratio	Lower	Upper
96	100		
61	133.5	104.6	156.8
98	60.6	50.9	76.3

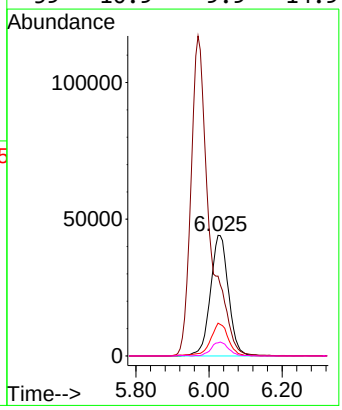


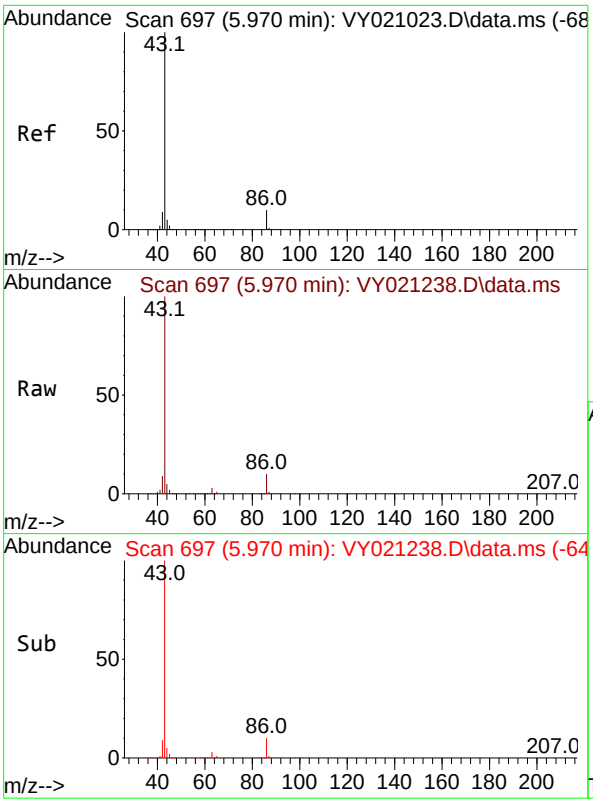


#22
Diisopropyl ether
Concen: 24.305 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 45 Resp: 150882

Ion	Ratio	Lower	Upper
45	100		
43	65.9	46.8	70.2
87	27.2	22.2	33.2
59	10.9	9.9	14.9



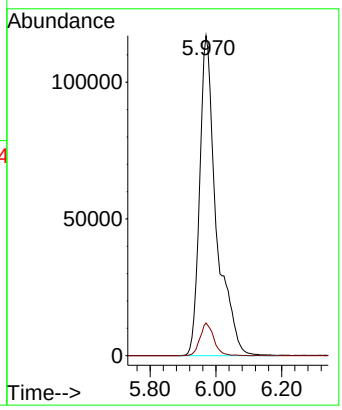


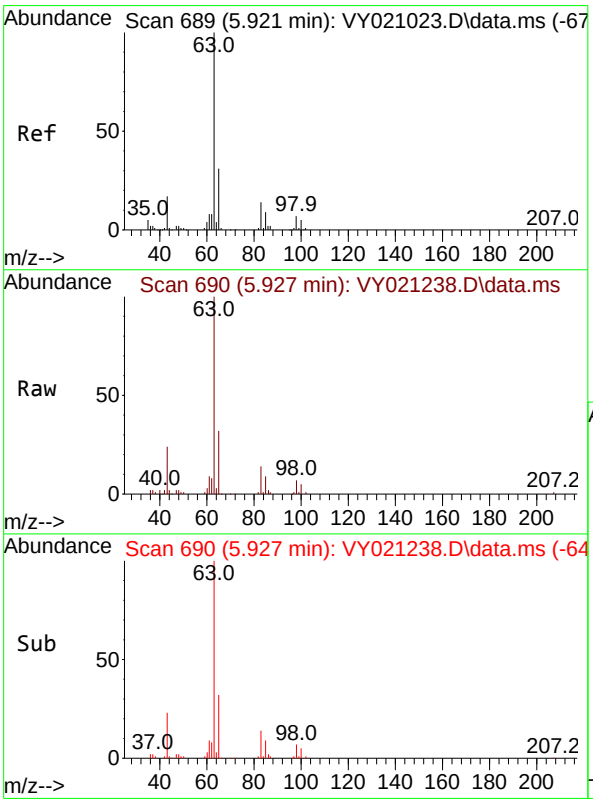
#23
Vinyl Acetate
Concen: 119.267 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 43 Resp: 412742

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	13.0

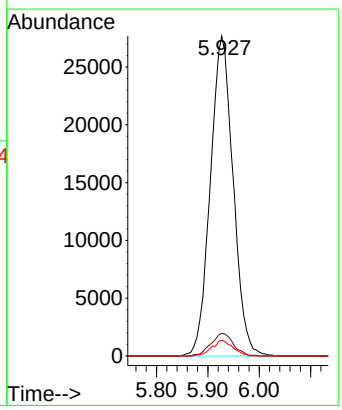


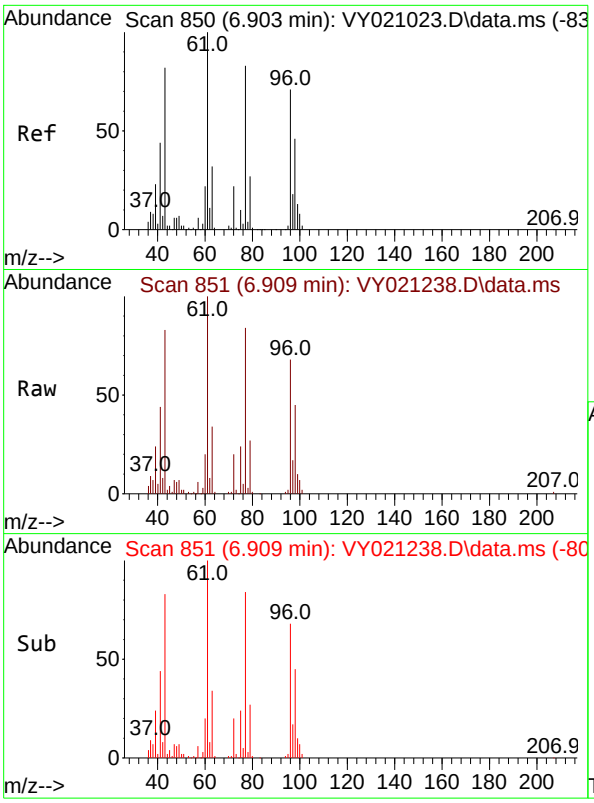


#24
1,1-Dichloroethane
Concen: 23.444 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 85267

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.4
100	4.8	2.1	6.2



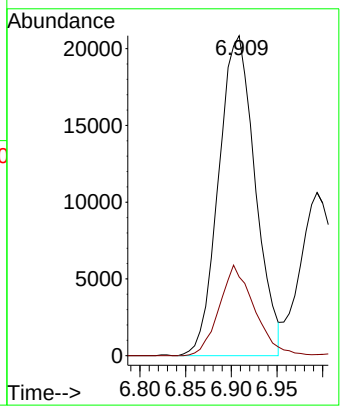


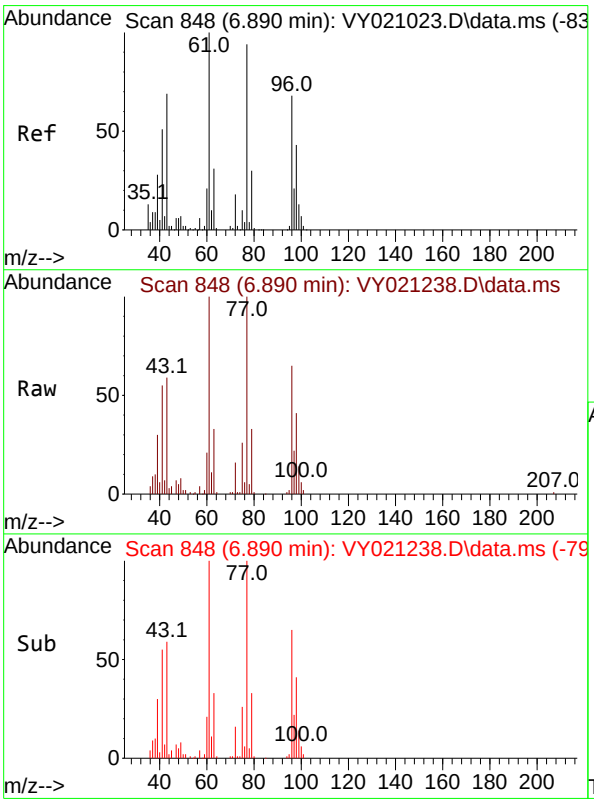
#25
2-Butanone
Concen: 118.240 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 43 Resp: 58186

Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.4	32.2

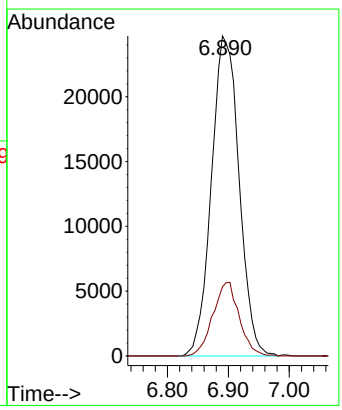


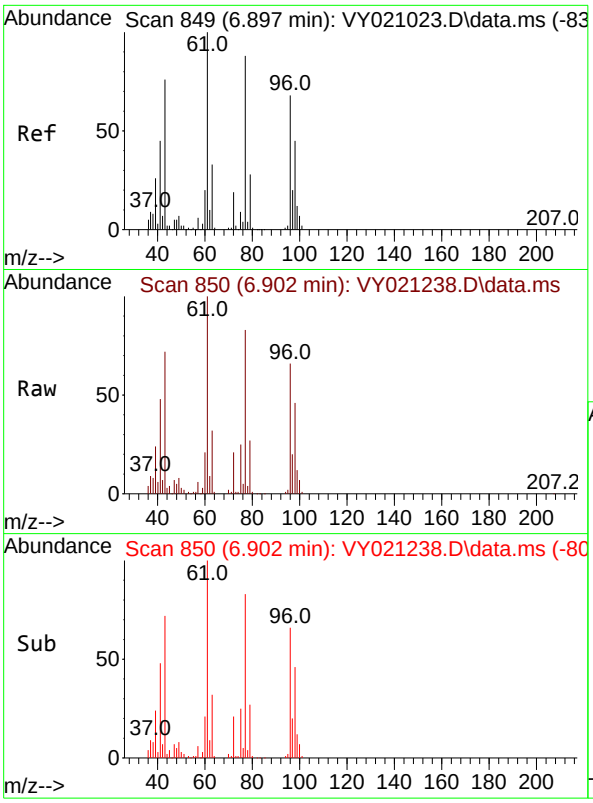


#26
2,2-Dichloropropane
Concen: 23.138 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 77 Resp: 77868

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.7	35.0



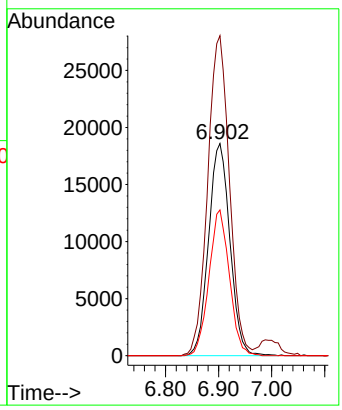


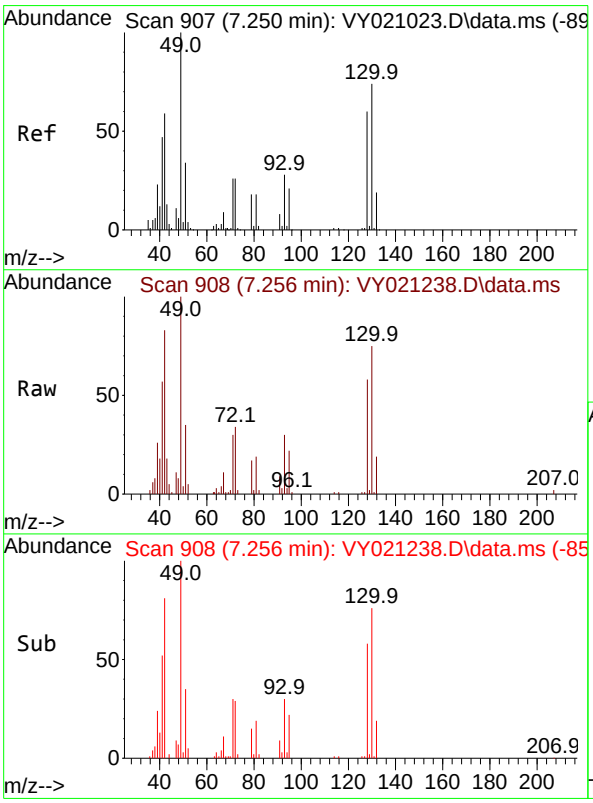
#27
cis-1,2-Dichloroethene
Concen: 22.958 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 96 Resp: 51981

Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	278.8
98	65.8	0.0	127.0

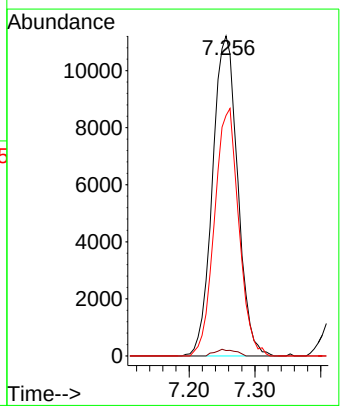


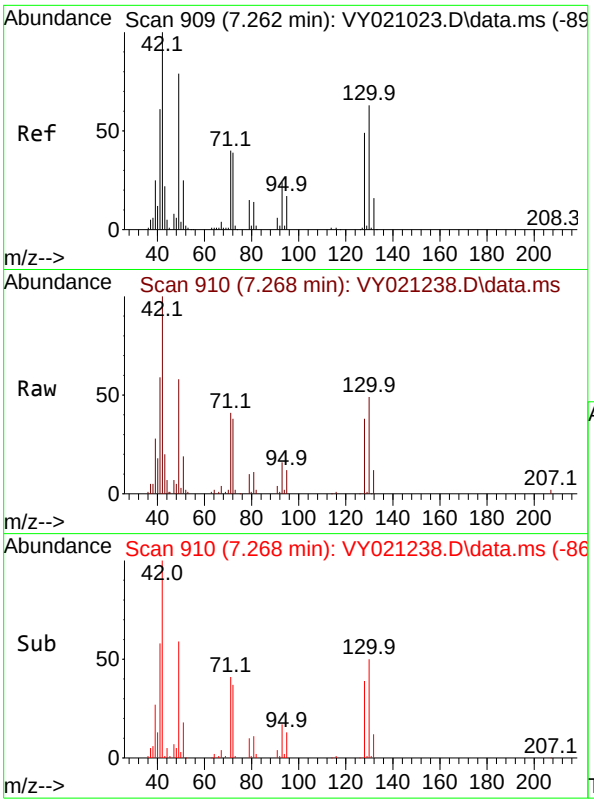


#28
Bromochloromethane
Concen: 20.715 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 49 Resp: 29792

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	74.9	59.8	89.8



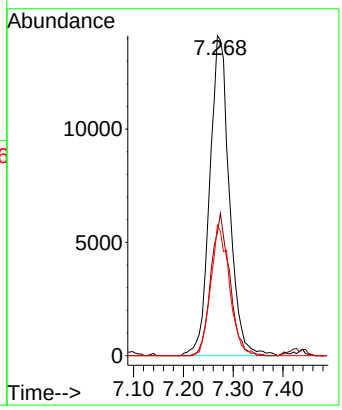


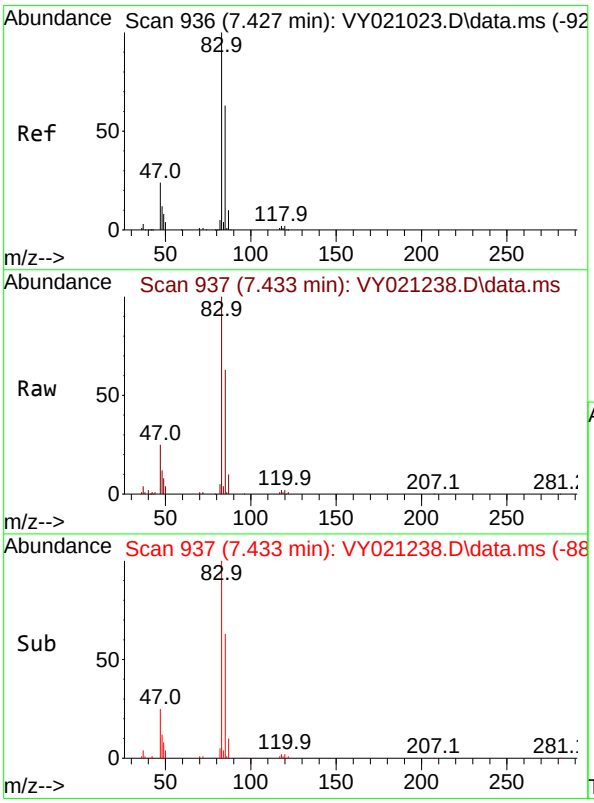
#29
Tetrahydrofuran
Concen: 116.263 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 42 Resp: 38714

Ion	Ratio	Lower	Upper
42	100		
72	42.3	36.6	54.8
71	39.1	33.8	50.6

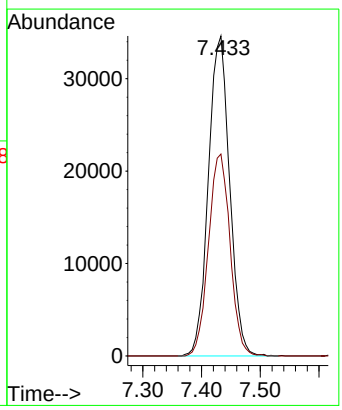


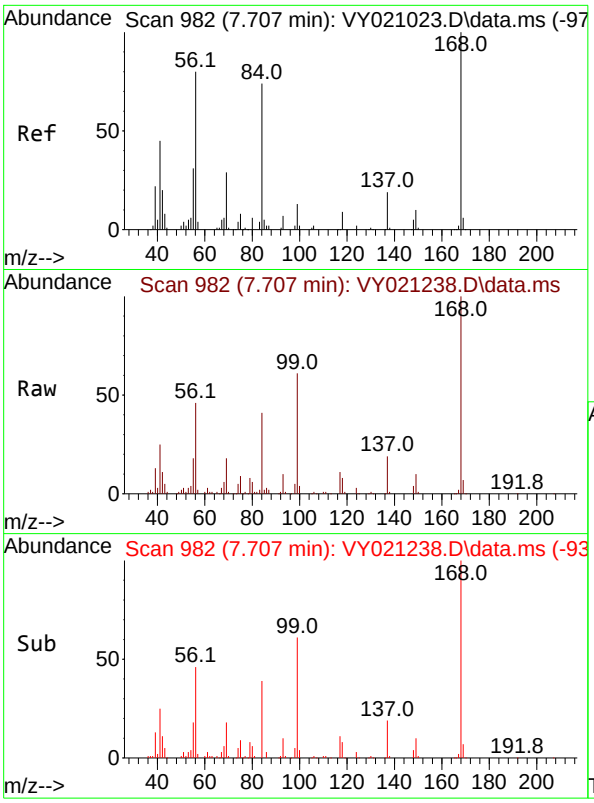


#30
Chloroform
Concen: 23.276 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 86955

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.2	76.8



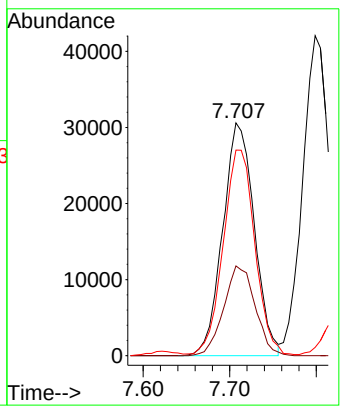


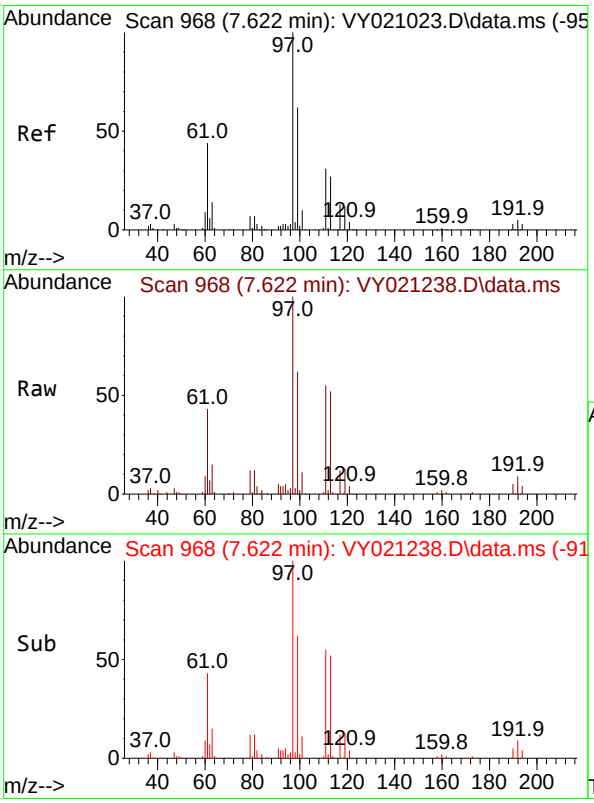
#31
Cyclohexane
Concen: 23.674 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 56 Resp: 77540

Ion	Ratio	Lower	Upper
56	100		
69	38.5	27.0	40.6
84	87.2	71.8	107.6

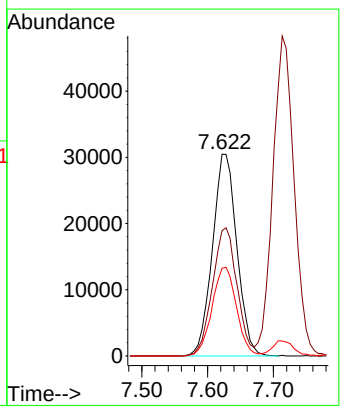


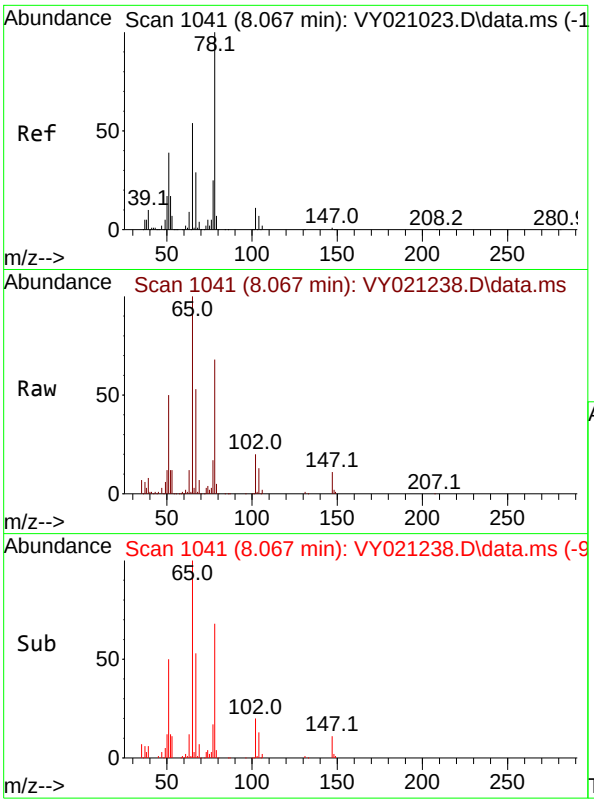


#32
1,1,1-Trichloroethane
Concen: 22.692 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 97 Resp: 78817

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	43.9	35.0	52.6



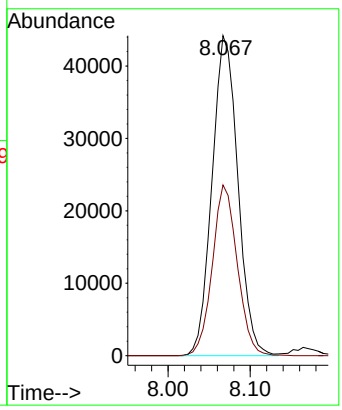


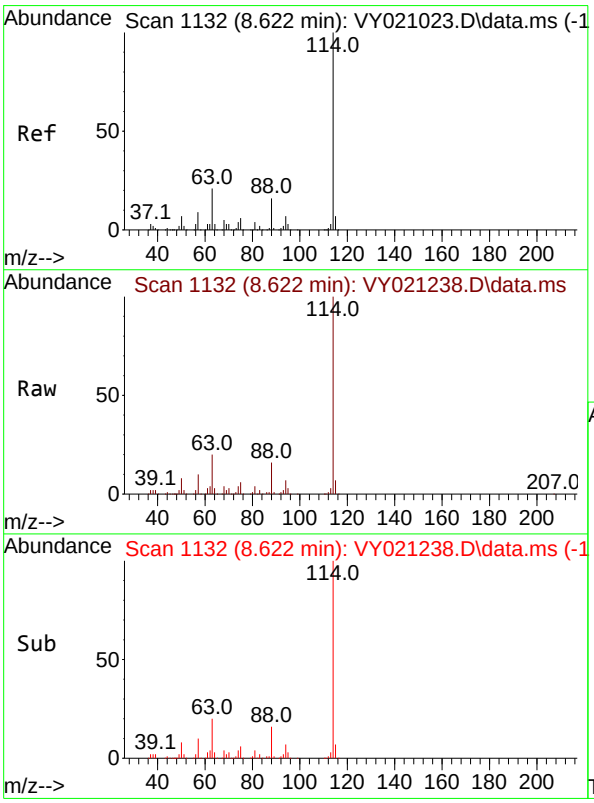
#33
1,2-Dichloroethane-d4
Concen: 50.317 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 65 Resp: 96623

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.0

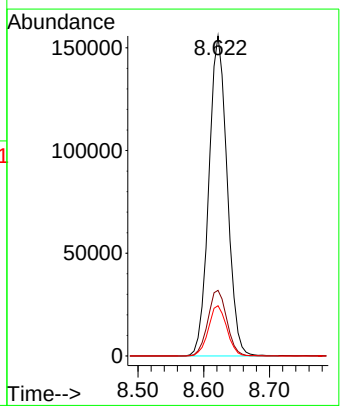


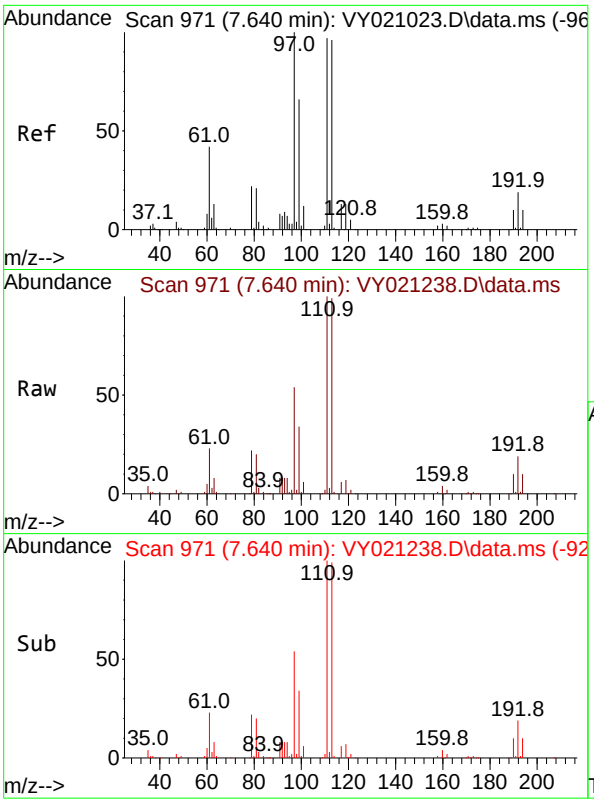


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:114 Resp: 302089

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	37.4
88	15.7	0.0	29.0



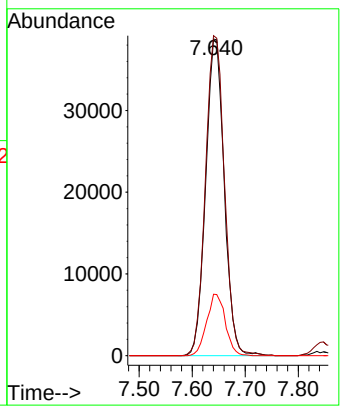


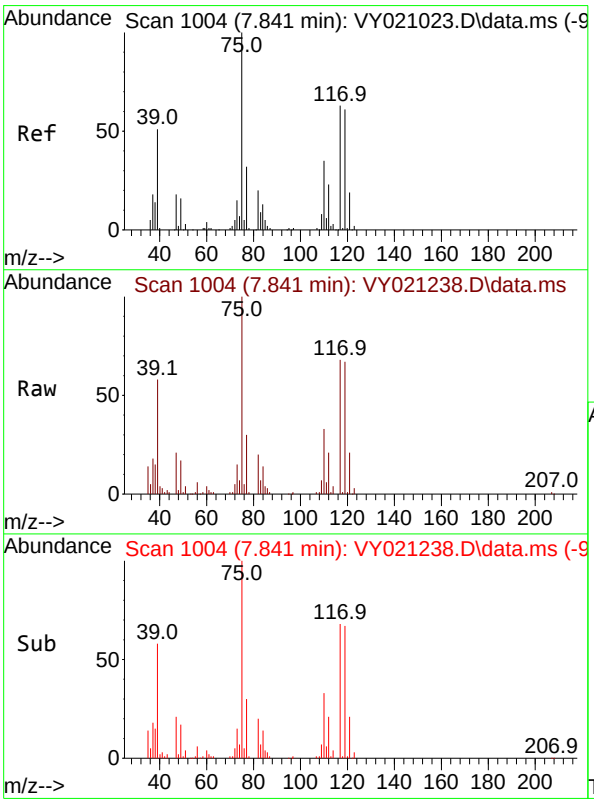
#35
Dibromofluoromethane
Concen: 48.581 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:113 Resp: 94052

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.8	125.6
192	19.5	14.5	21.7

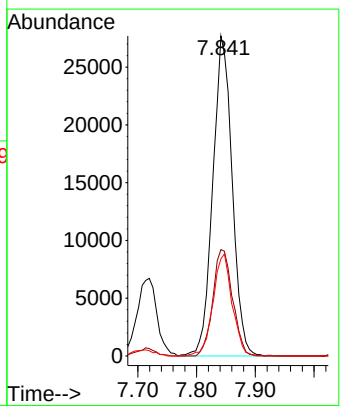


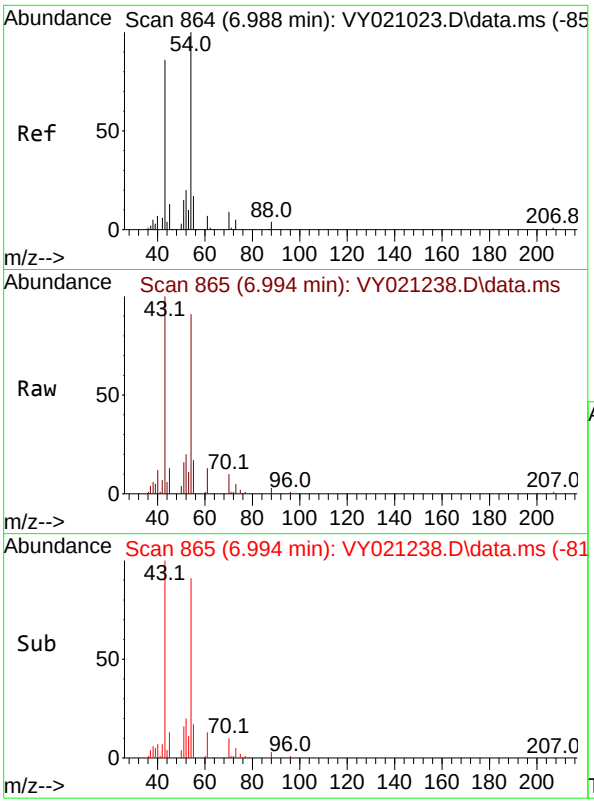


#36
1,1-Dichloropropene
Concen: 22.134 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 63470

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.4	52.3
77	31.4	24.7	37.1



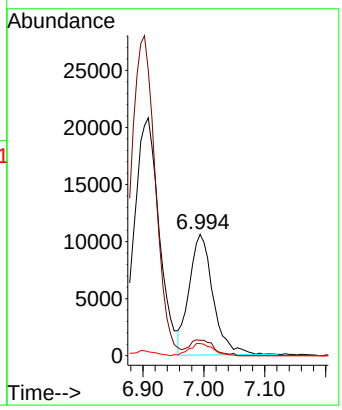


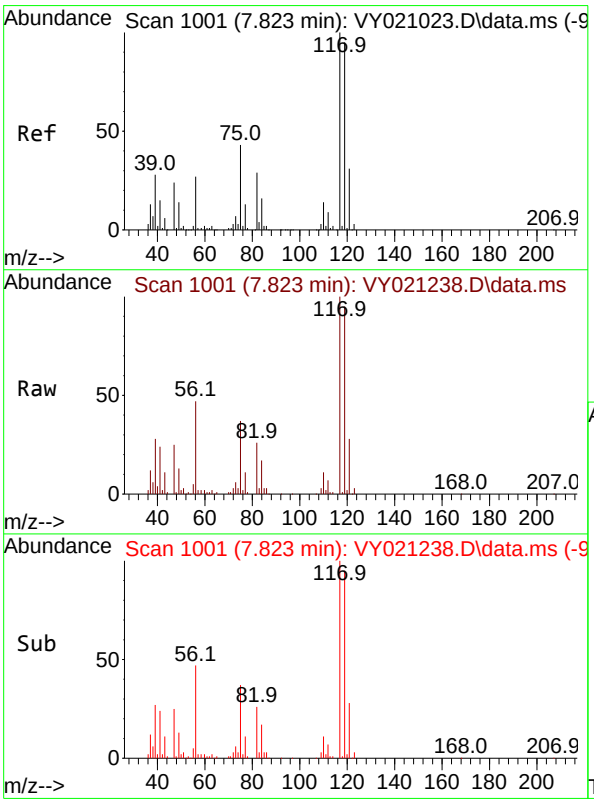
#37
Ethyl Acetate
Concen: 22.858 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 43 Resp: 28755

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	10.1	8.1	12.1

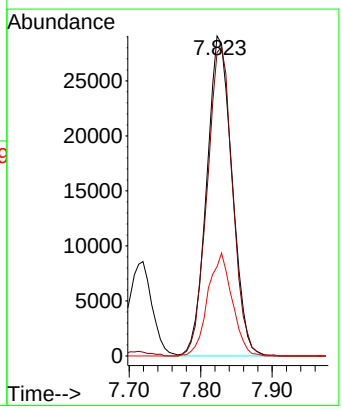


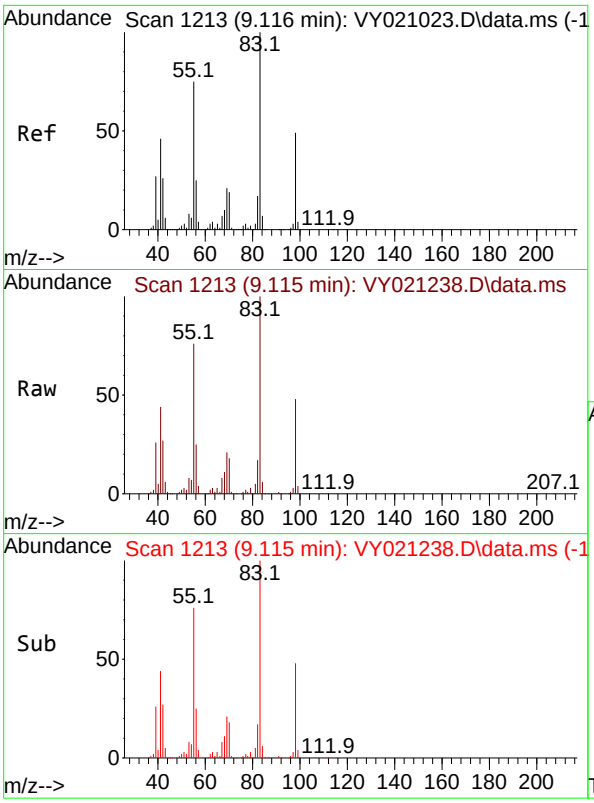


#38
Carbon Tetrachloride
Concen: 21.393 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 71680

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.0	114.0
121	27.9	24.2	36.2



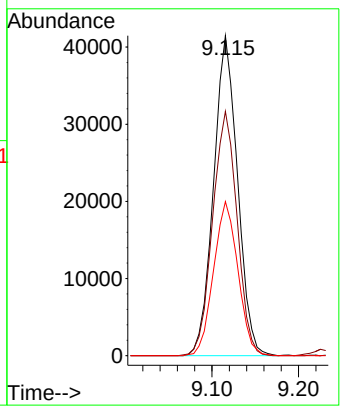


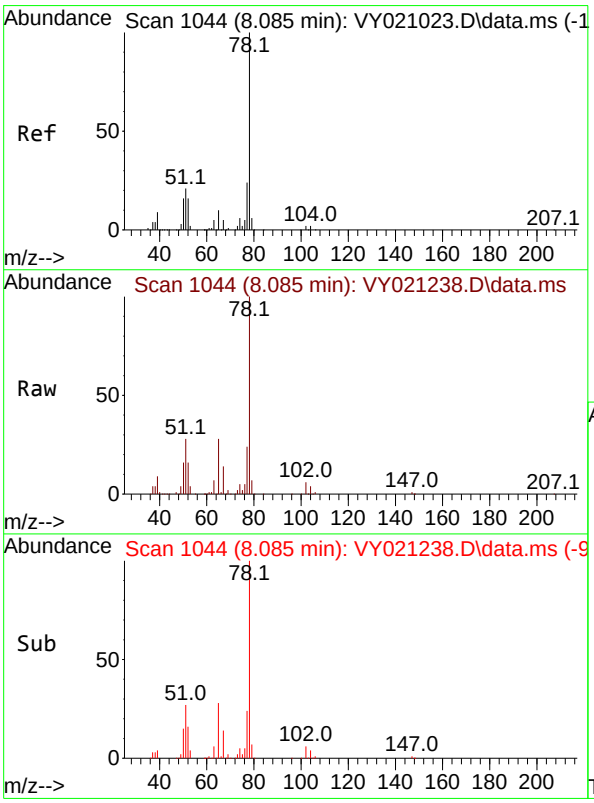
#39
Methylcyclohexane
Concen: 22.720 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 83 Resp: 79691

Ion	Ratio	Lower	Upper
83	100		
55	76.4	59.7	89.5
98	48.2	38.0	57.0

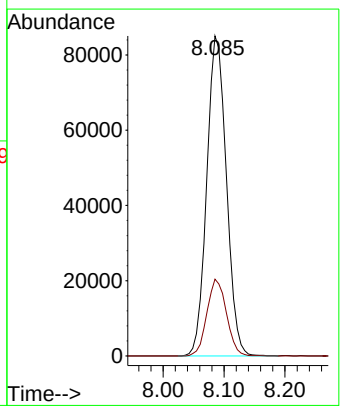


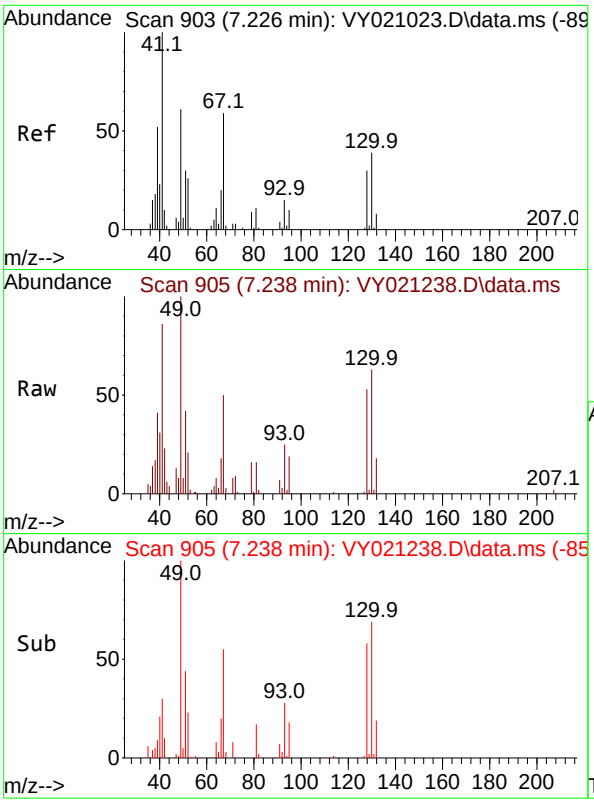


#40
Benzene
Concen: 22.643 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 78 Resp: 190547

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



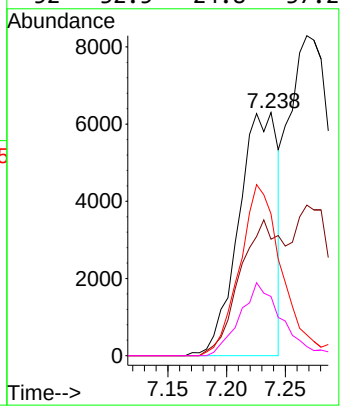


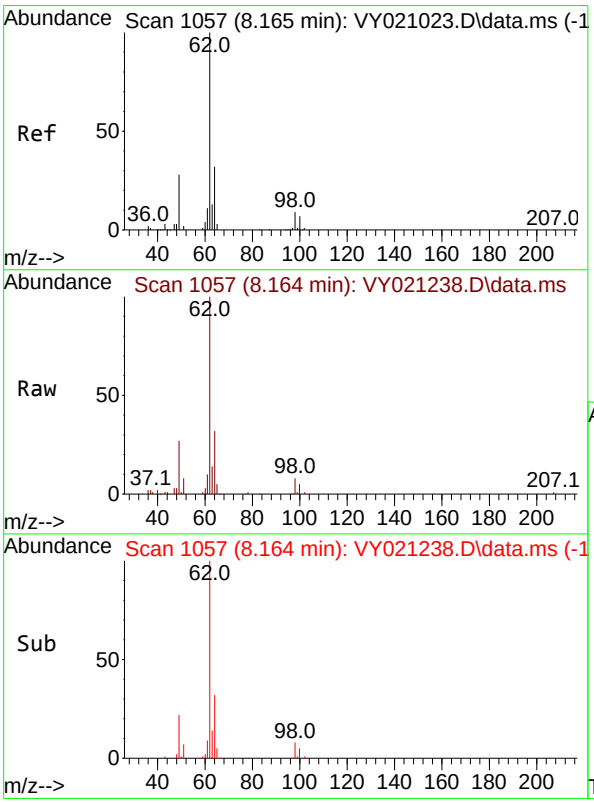
#41
Methacrylonitrile
Concen: 20.111 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 41 Resp: 14636

Ion	Ratio	Lower	Upper
41	100		
39	60.7	41.9	62.9
67	76.1	59.8	89.6
52	32.5	24.8	37.2

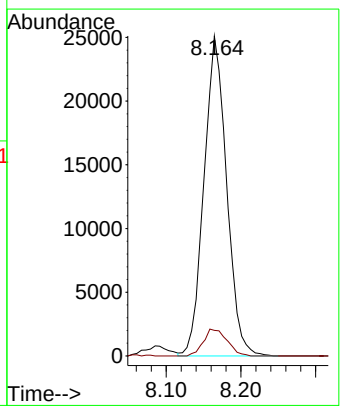


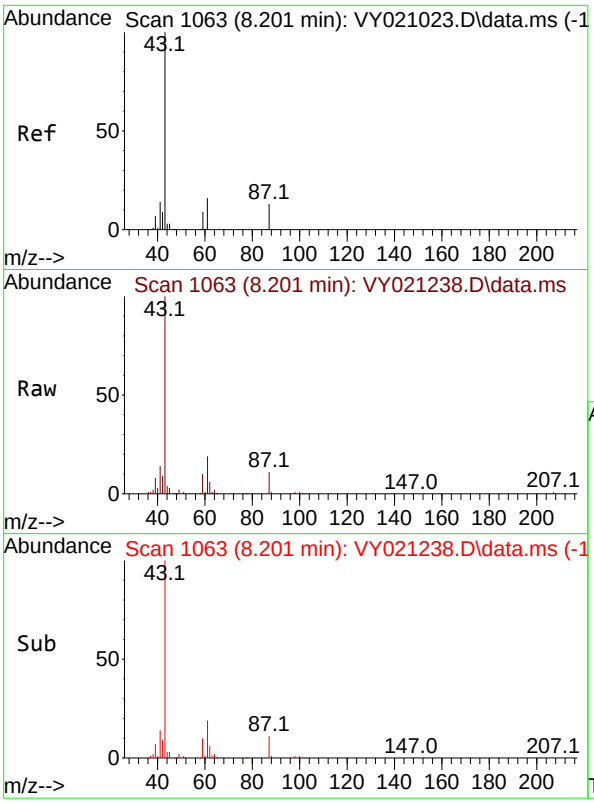


#42
1,2-Dichloroethane
Concen: 22.655 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 52885

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.2



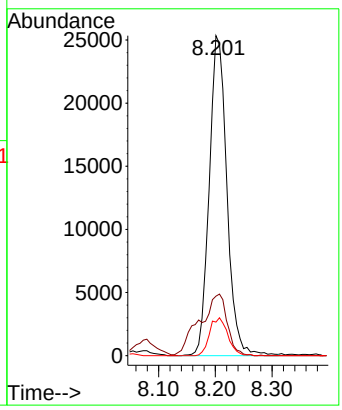


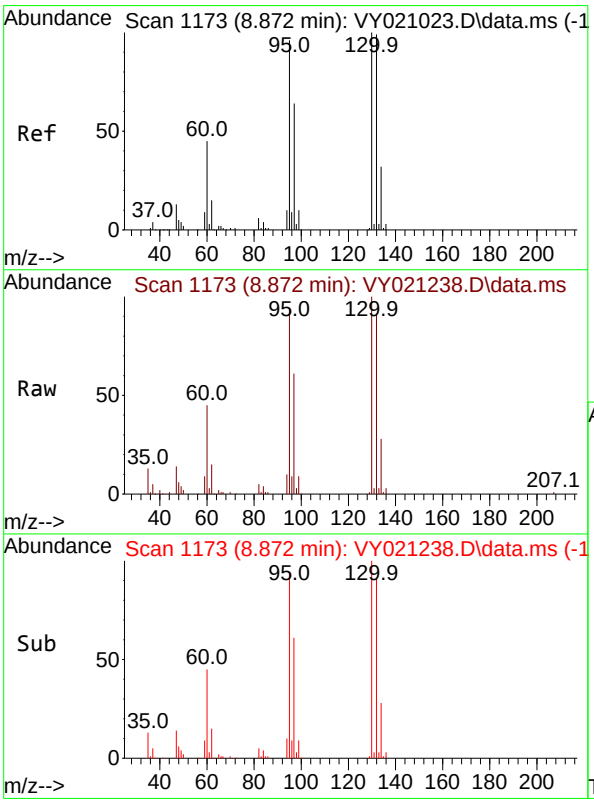
#43
Isopropyl Acetate
Concen: 21.942 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 43 Resp: 54845

Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.8	37.2
87	12.3	10.7	16.1

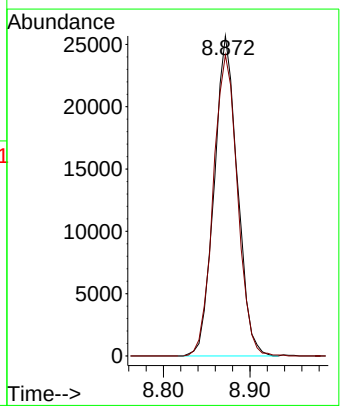


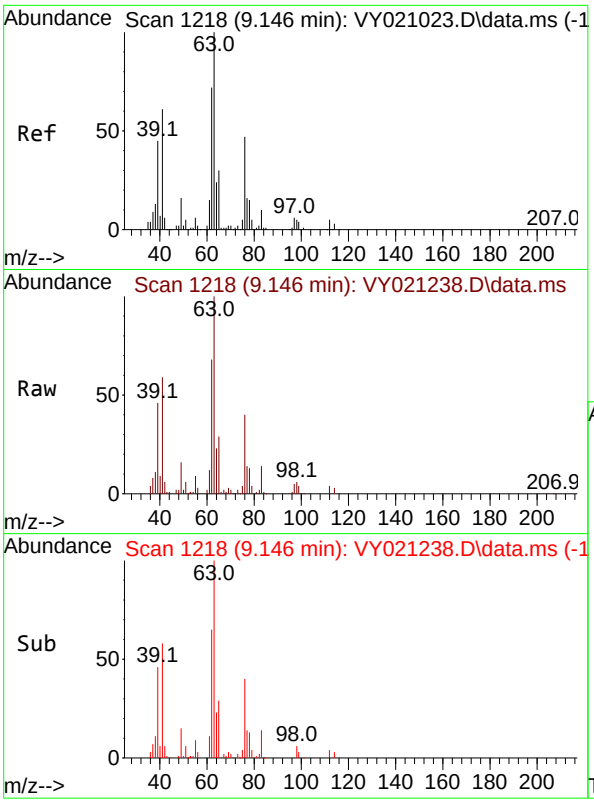


#44
Trichloroethene
Concen: 22.024 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:130 Resp: 47883

Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	203.8



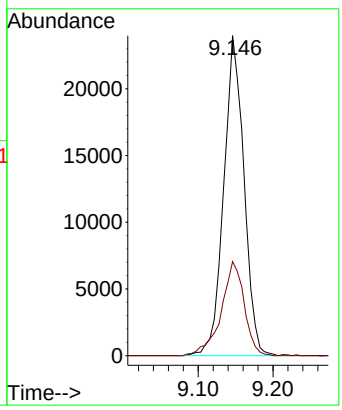


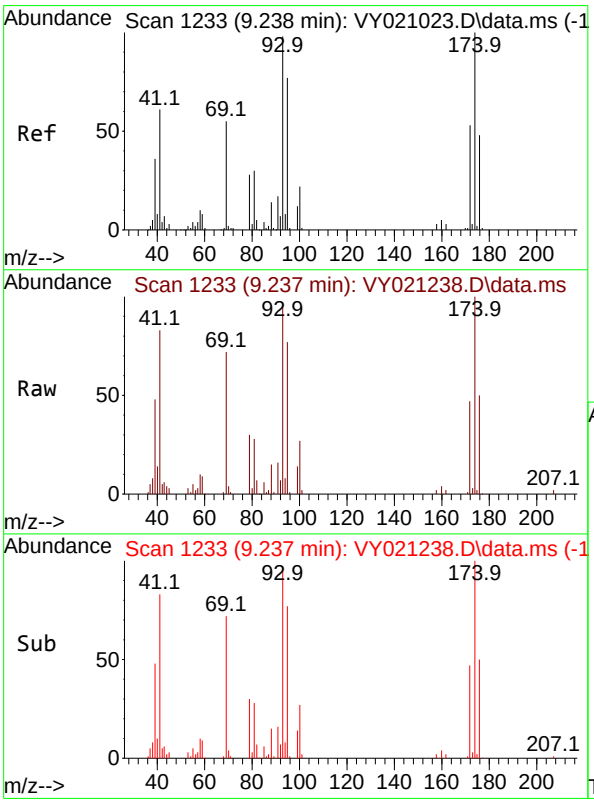
#45
1,2-Dichloropropane
Concen: 22.642 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 63 Resp: 45225

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.6	36.8

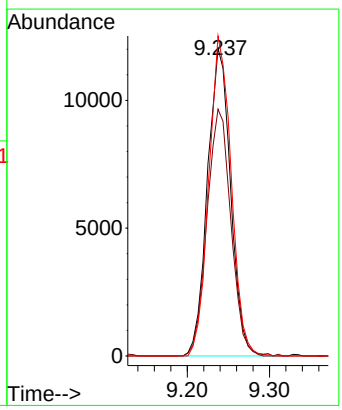


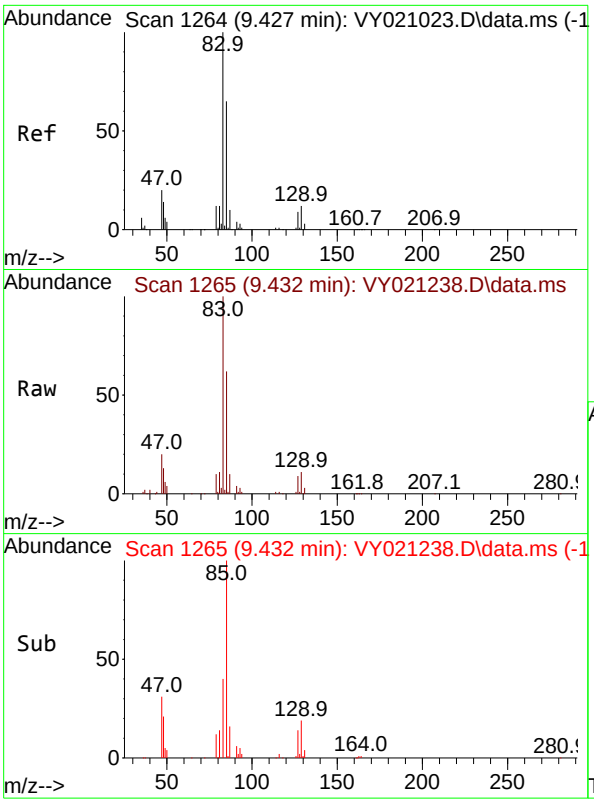


#46
Dibromomethane
Concen: 21.227 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 93 Resp: 23475

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	99.8
174	100.8	73.8	110.6



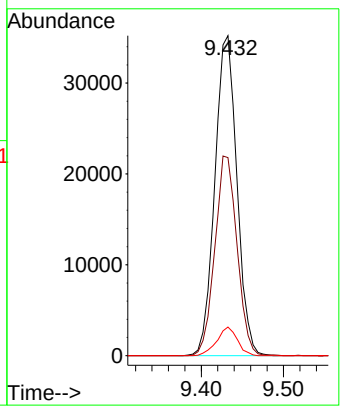


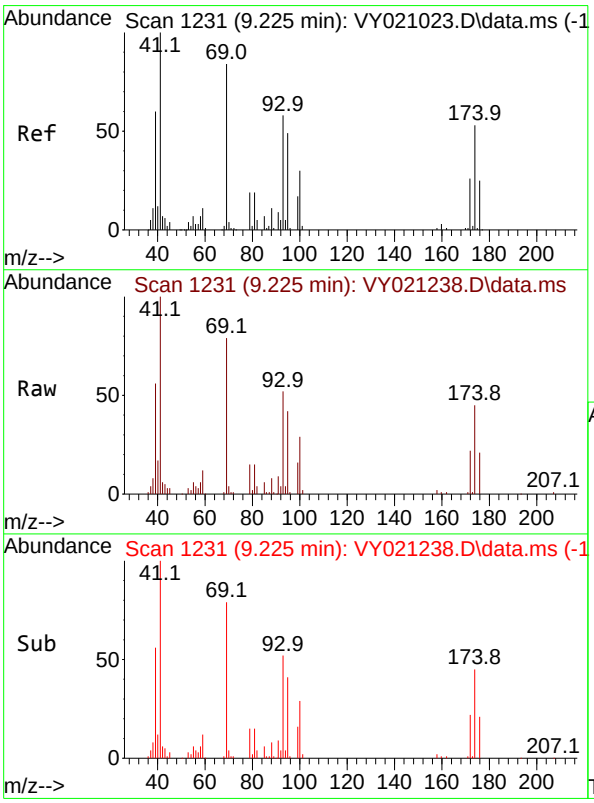
#47
Bromodichloromethane
Concen: 22.139 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 83 Resp: 65662

Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.2	79.8
127	9.0	6.4	9.6

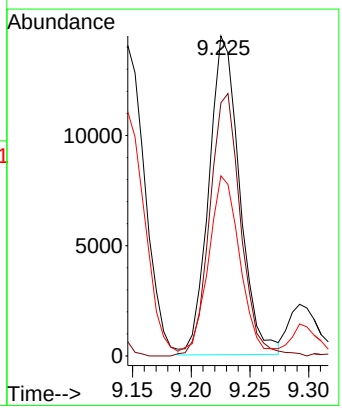


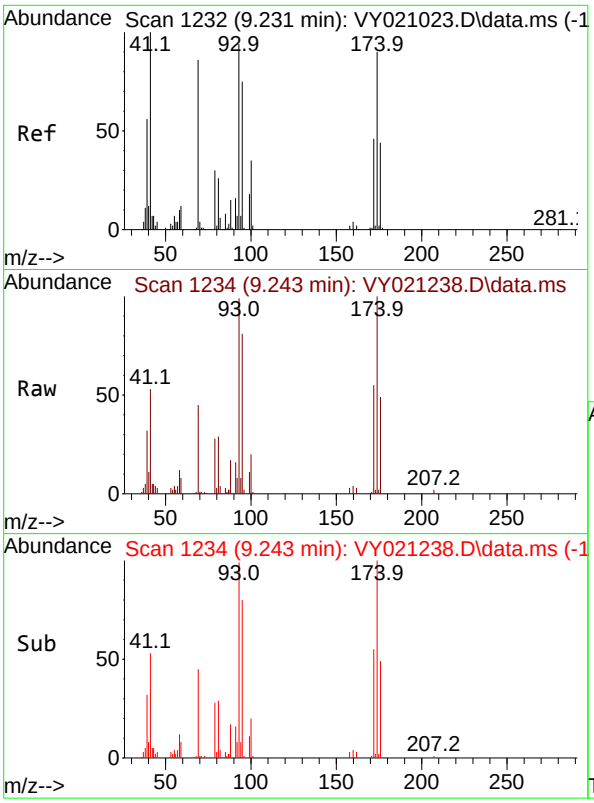


#48
Methyl methacrylate
Concen: 23.131 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 26336

Ion	Ratio	Lower	Upper
41	100		
69	82.3	72.1	108.1
39	55.1	42.8	64.2



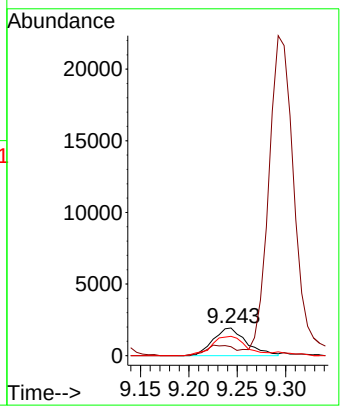


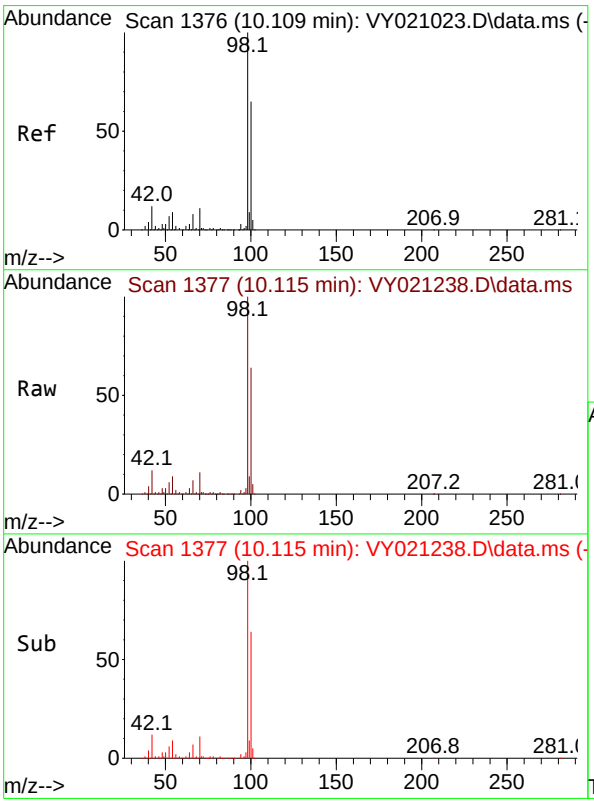
#49
1,4-Dioxane
Concen: 448.469 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 88 Resp: 4617

Ion	Ratio	Lower	Upper
88	100		
43	31.0	28.2	42.4
58	73.0	52.2	78.2

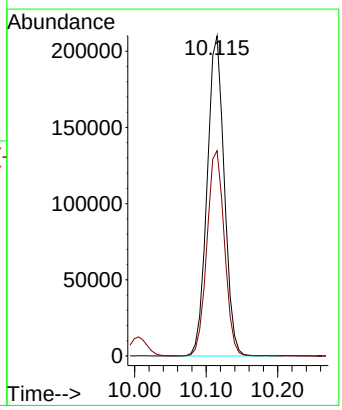


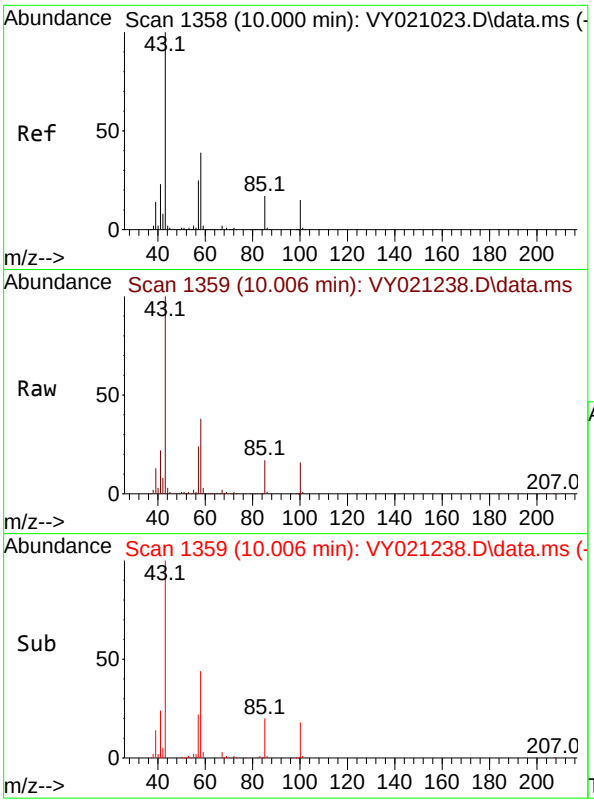


#50
Toluene-d8
Concen: 47.329 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 98 Resp: 348838

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5



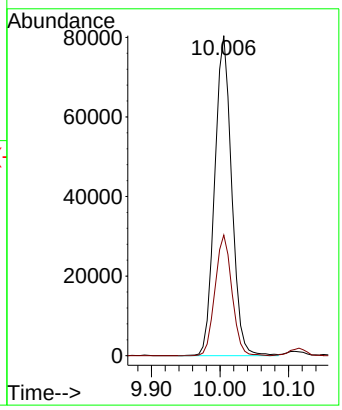


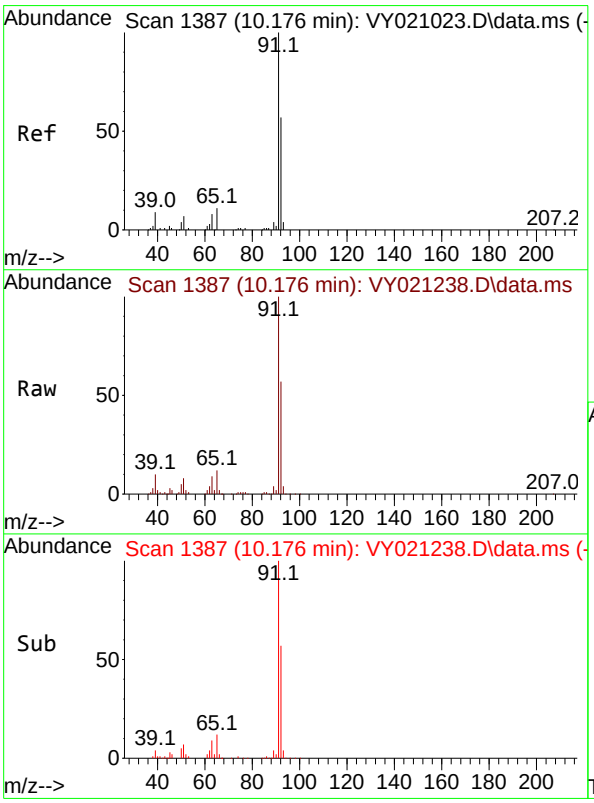
#51
4-Methyl-2-Pentanone
Concen: 110.039 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 43 Resp: 138316

Ion	Ratio	Lower	Upper
43	100		
58	37.5	32.2	48.2

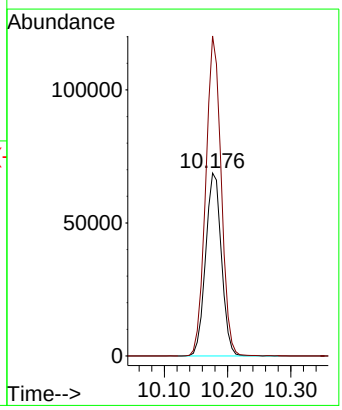


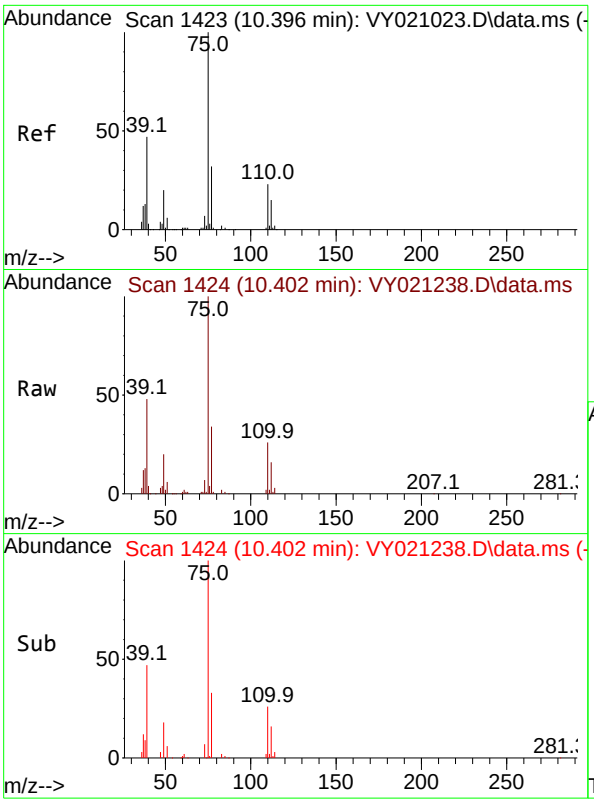


#52
Toluene
Concen: 22.606 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 92 Resp: 119448

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.6	206.4



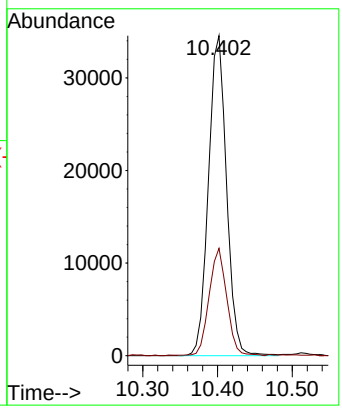


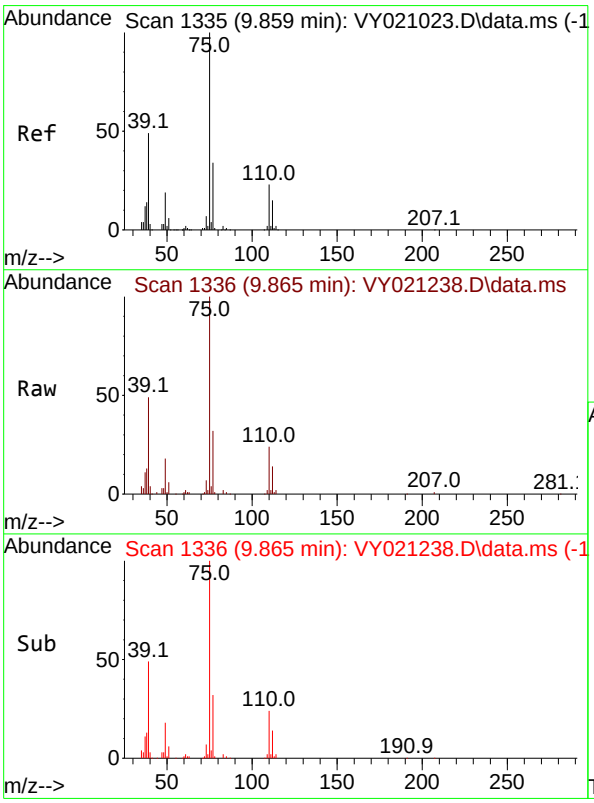
#53
t-1,3-Dichloropropene
Concen: 21.872 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 75 Resp: 58250

Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.6	36.8

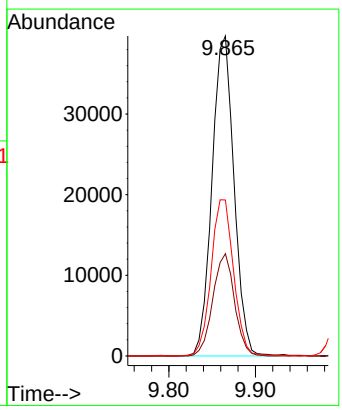


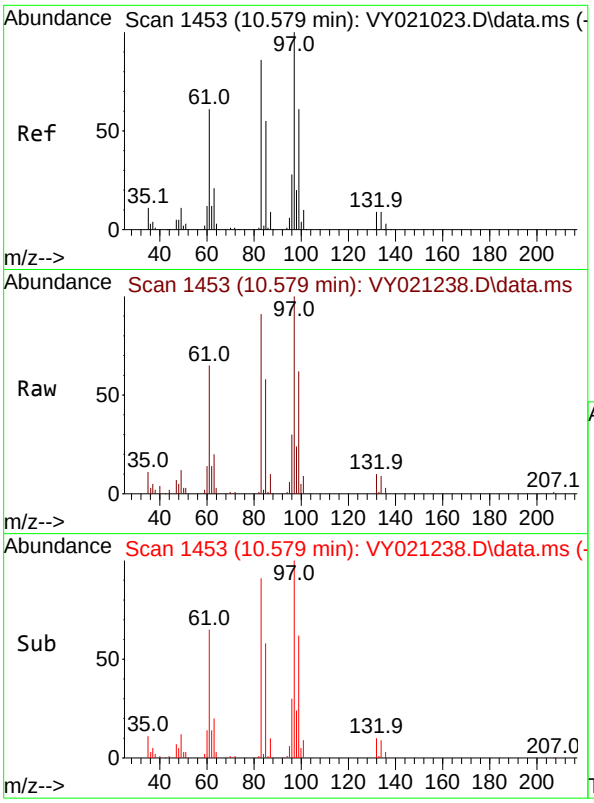


#54
cis-1,3-Dichloropropene
Concen: 22.186 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 69958

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	48.8	33.6	50.4



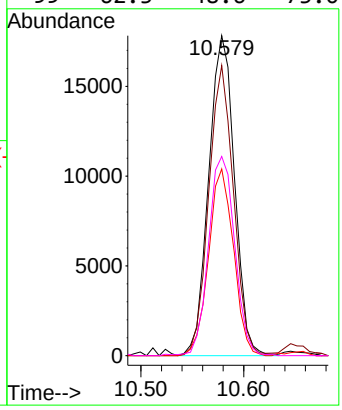


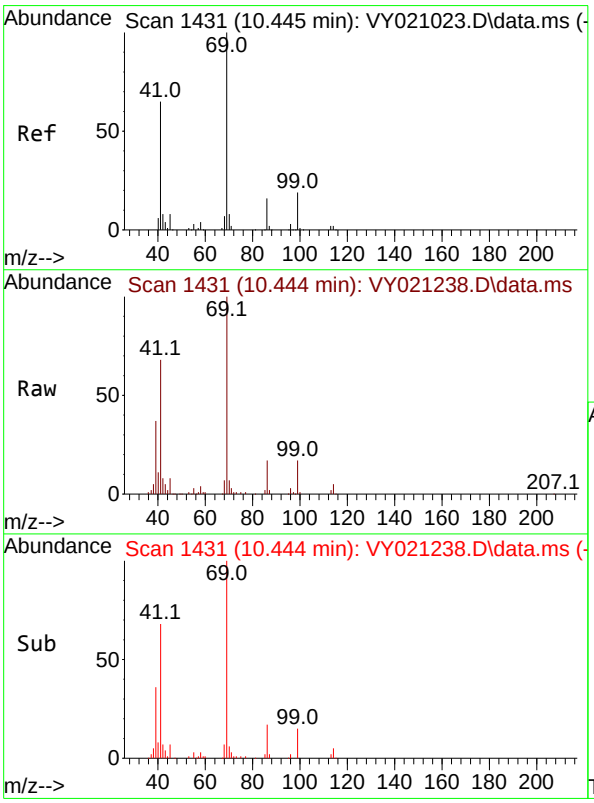
#55
1,1,2-Trichloroethane
Concen: 21.745 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 97 Resp: 31141

Ion	Ratio	Lower	Upper
97	100		
83	90.7	69.4	104.2
85	58.4	43.9	65.9
99	62.3	48.6	73.0

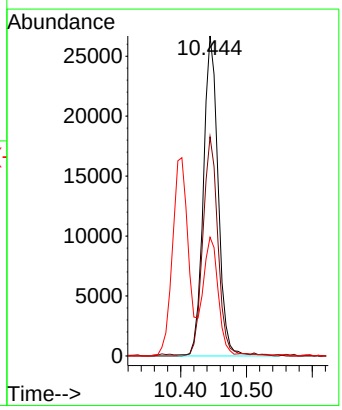


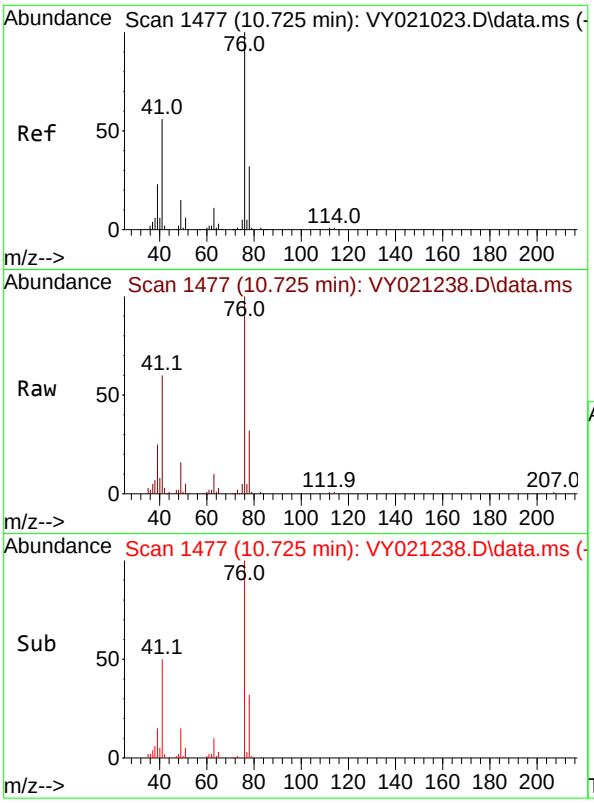


#56
Ethyl methacrylate
Concen: 21.735 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 69 Resp: 41640

Ion	Ratio	Lower	Upper
69	100		
41	68.4	49.2	73.8
39	35.3	26.8	40.2



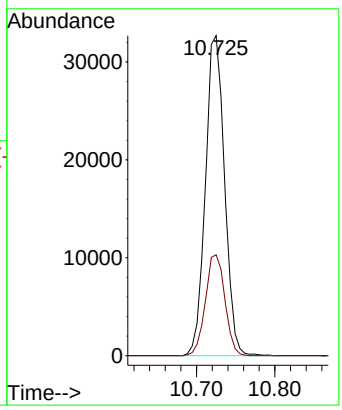


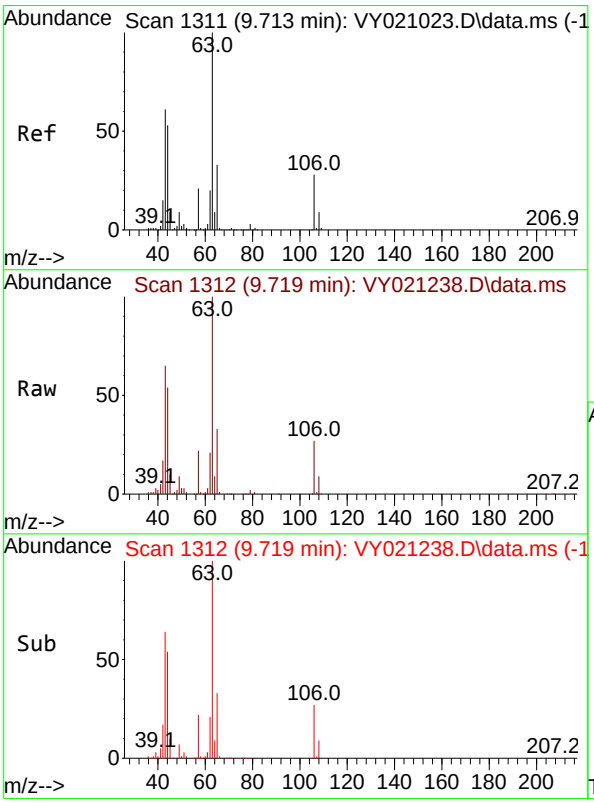
#57
1,3-Dichloropropane
Concen: 22.367 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 76 Resp: 55442

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

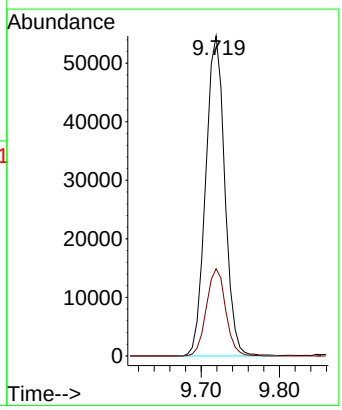


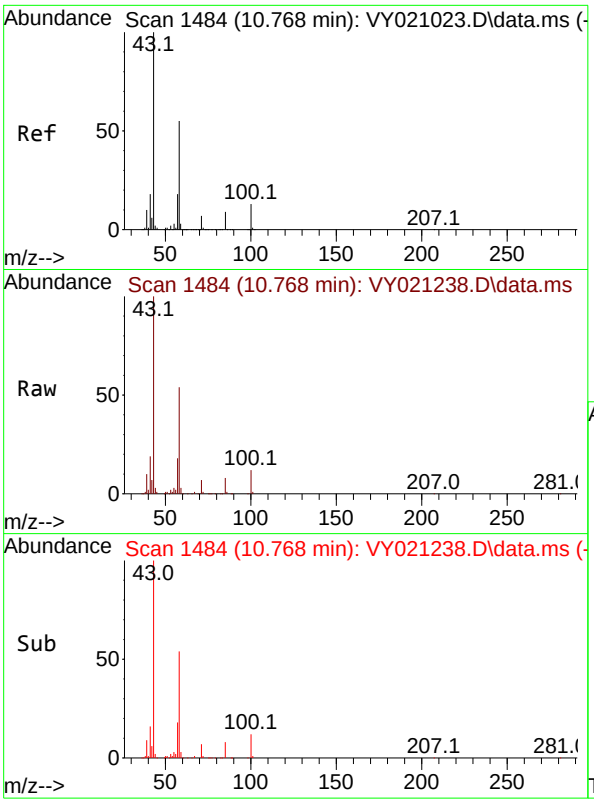


#58
2-Chloroethyl Vinyl ether
Concen: 101.594 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 92595

Ion	Ratio	Lower	Upper
63	100		
106	27.4	22.4	33.6



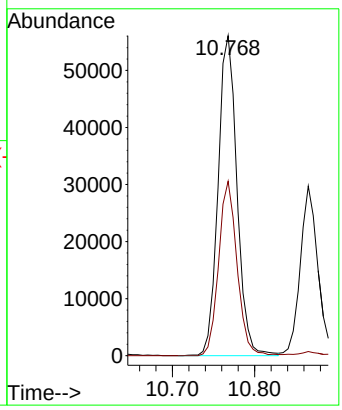


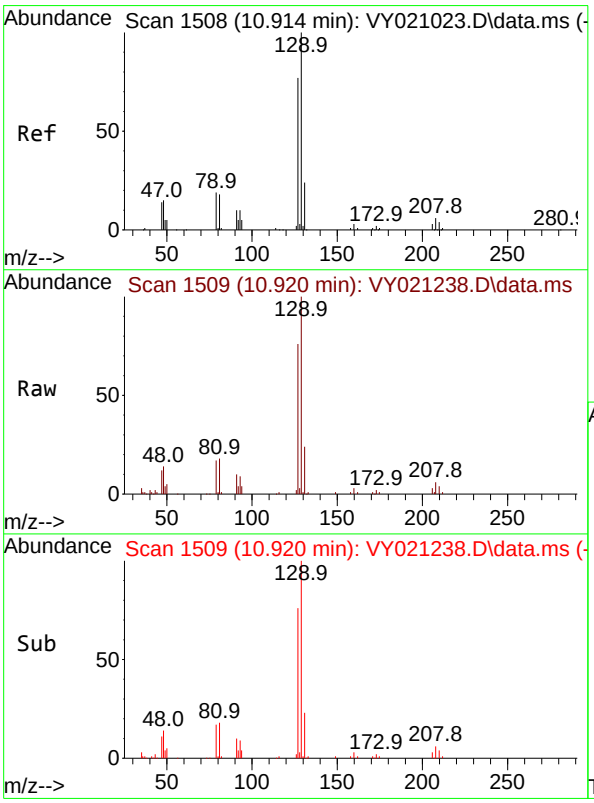
#59
2-Hexanone
Concen: 110.855 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 43 Resp: 89716

Ion	Ratio	Lower	Upper
43	100		
58	53.2	28.1	84.3

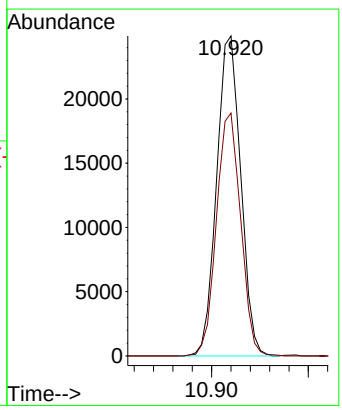


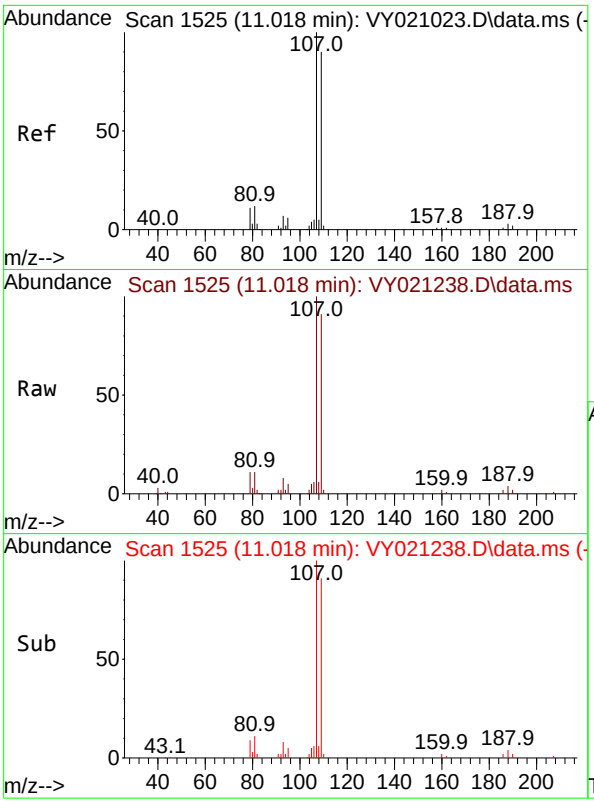


#60
Dibromochloromethane
Concen: 21.410 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:129 Resp: 43058

Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.2	117.6



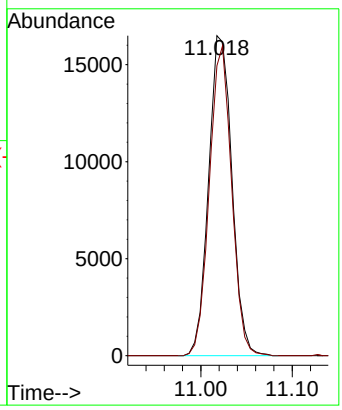


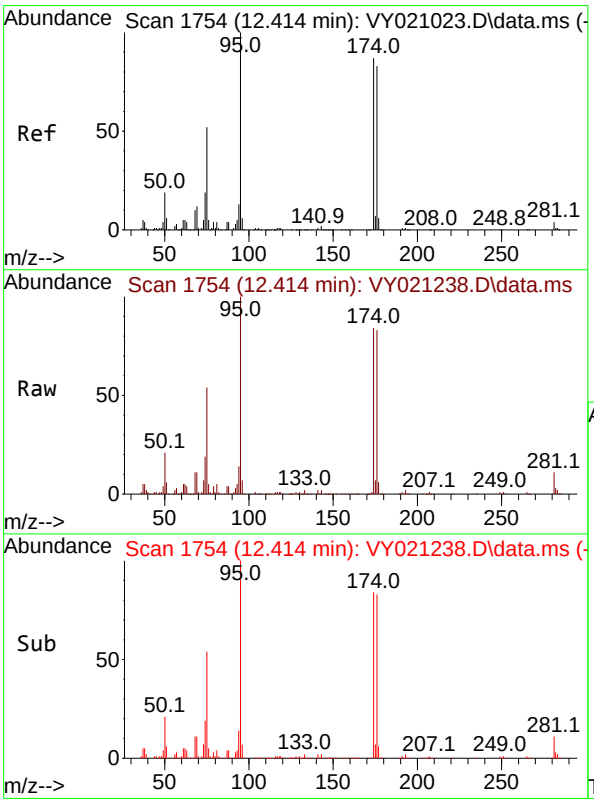
#61
1,2-Dibromoethane
Concen: 21.771 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:107 Resp: 29203

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.4	113.2

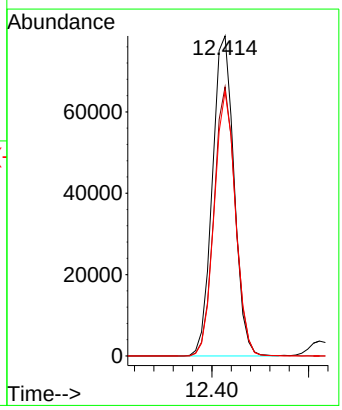


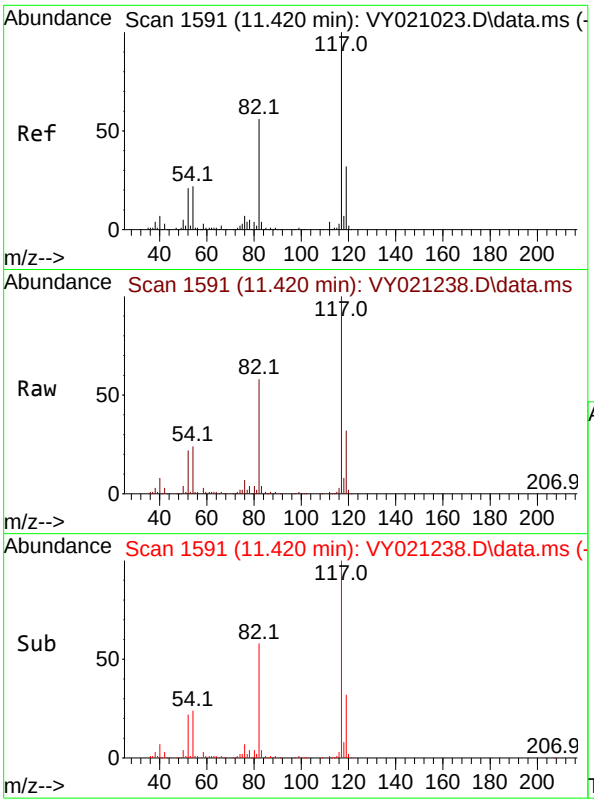


#62
4-Bromofluorobenzene
Concen: 50.660 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 95 Resp: 121983

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	160.0
176	81.1	0.0	151.8



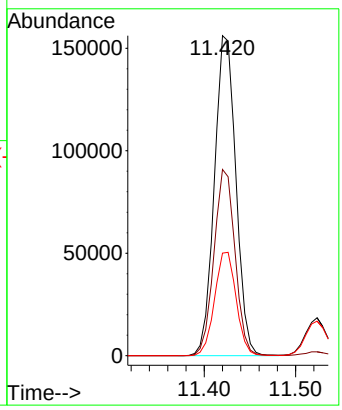


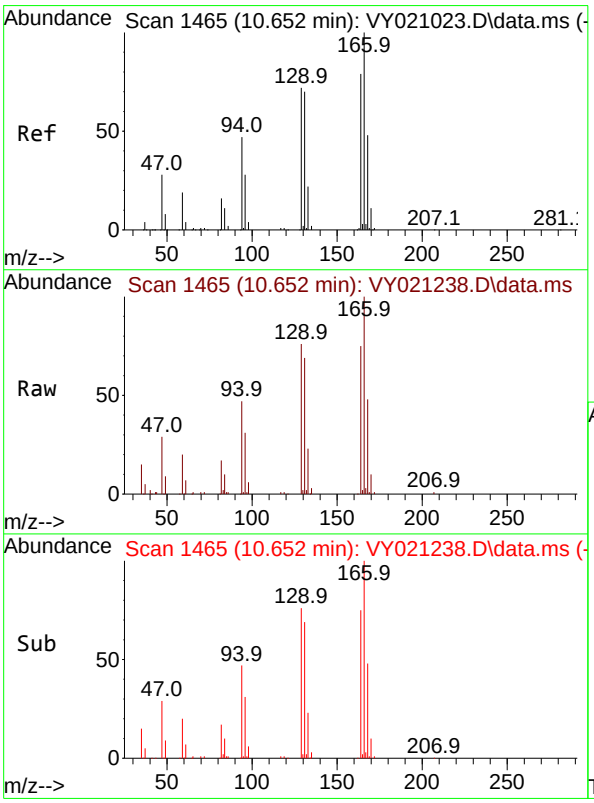
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:117 Resp: 255752

Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.8	65.8
119	32.1	26.5	39.7

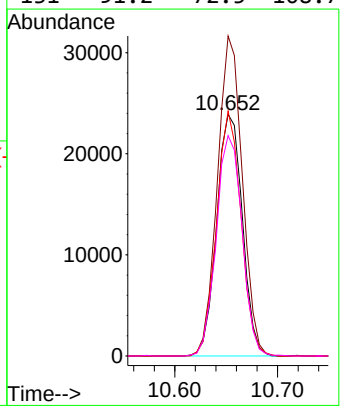


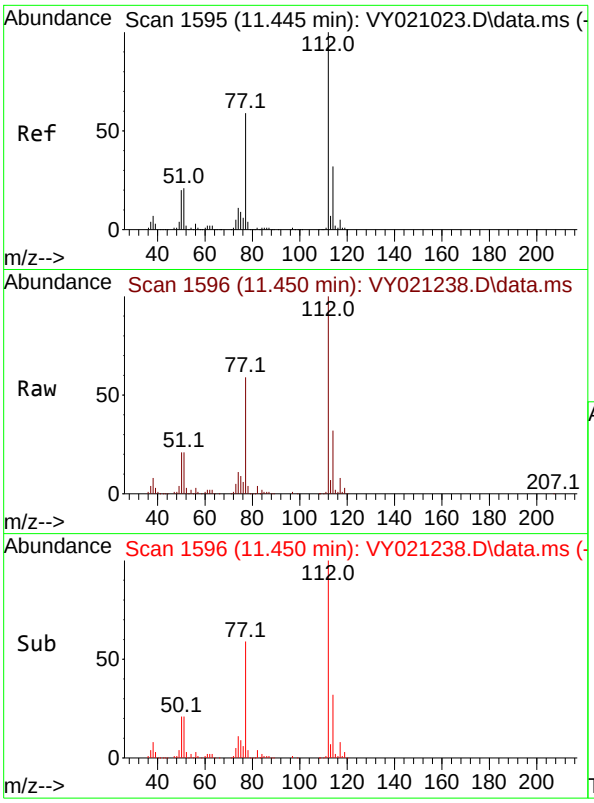


#64
Tetrachloroethene
Concen: 21.781 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:164 Resp: 41352

Ion	Ratio	Lower	Upper
164	100		
166	132.5	98.8	148.2
129	101.3	78.9	118.3
131	91.2	72.5	108.7



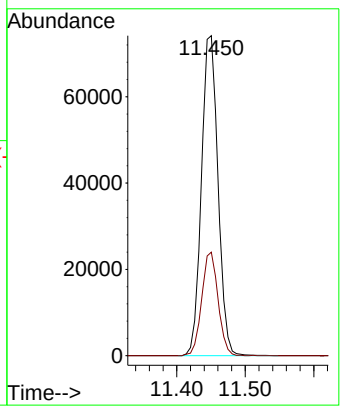


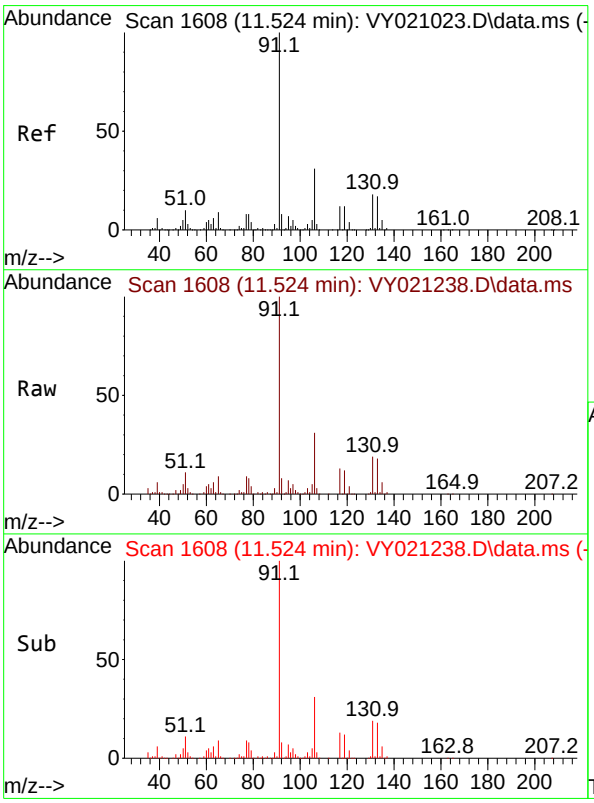
#65
Chlorobenzene
Concen: 21.900 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:112 Resp: 124714

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1

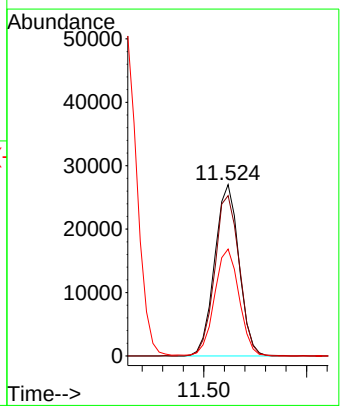


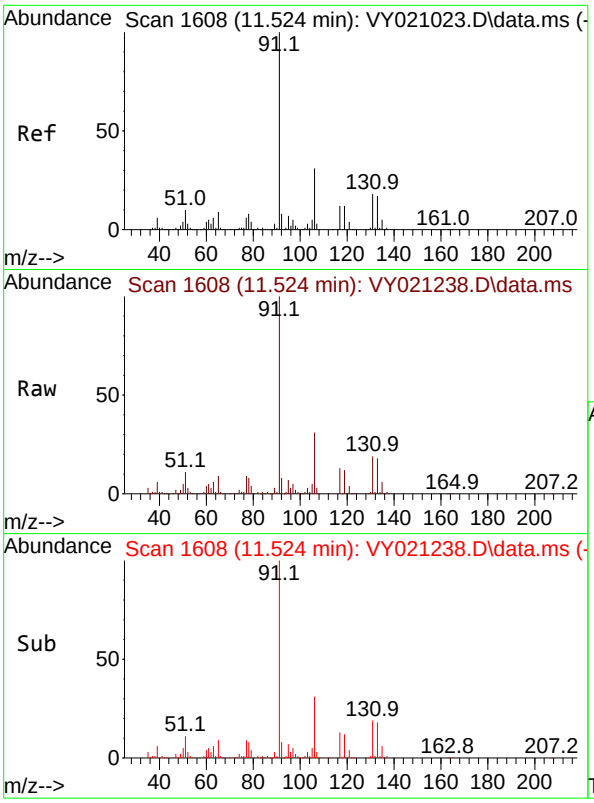


#66
1,1,1,2-Tetrachloroethane
Concen: 21.924 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:131 Resp: 44369

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.0	141.0
119	63.1	33.3	99.9



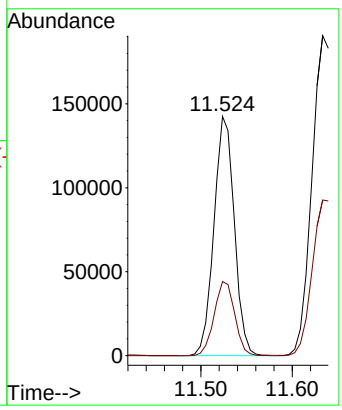


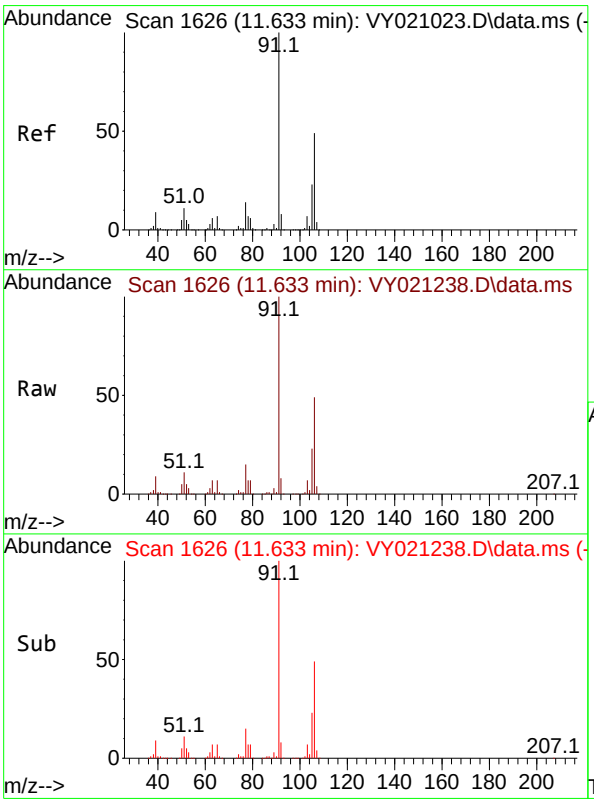
#67
Ethyl Benzene
Concen: 21.940 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 91 Resp: 220992

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.4

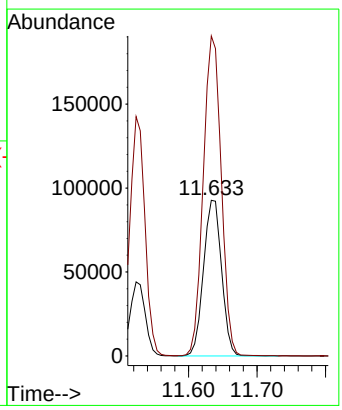


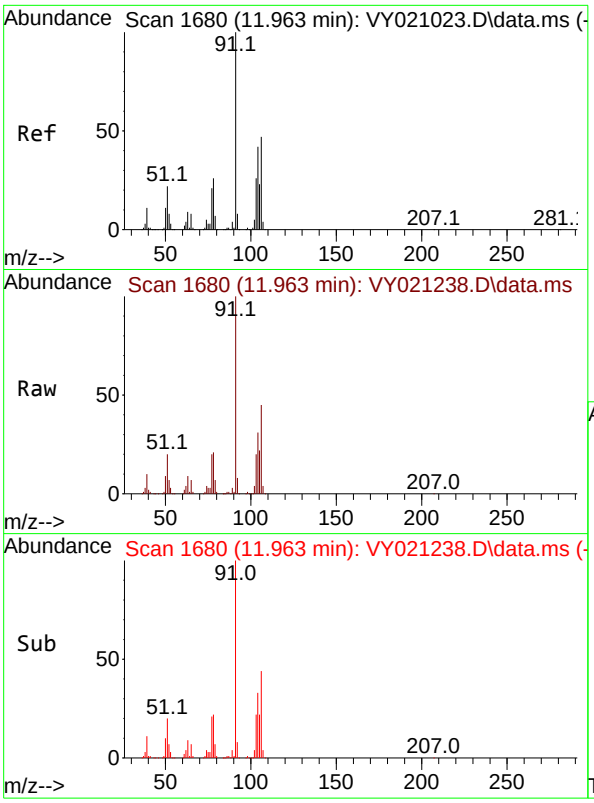


#68
m/p-Xylenes
Concen: 45.133 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:106 Resp: 170065

Ion	Ratio	Lower	Upper
106	100		
91	204.2	160.7	241.1



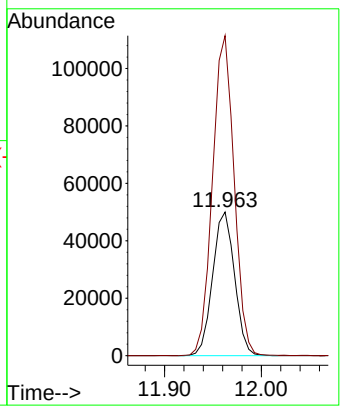


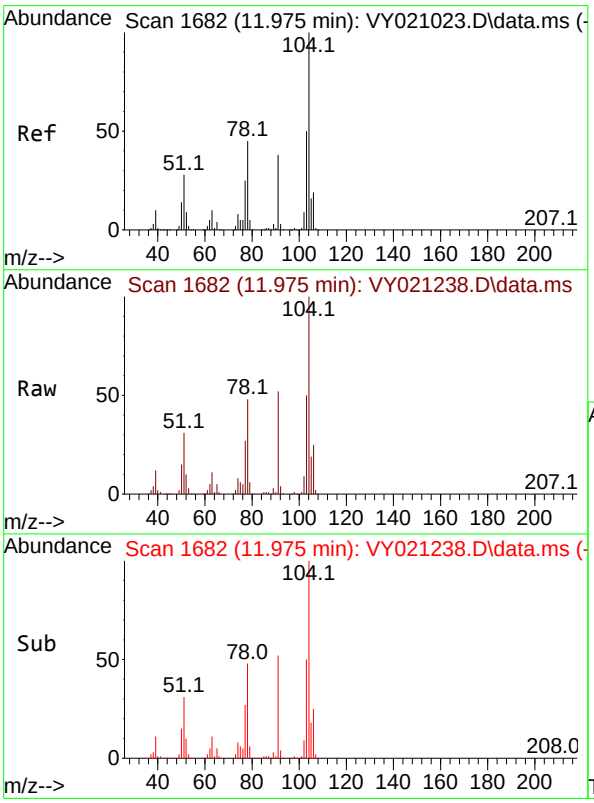
#69
o-Xylene
Concen: 22.395 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:106 Resp: 78675

Ion	Ratio	Lower	Upper
106	100		
91	219.9	106.5	319.5

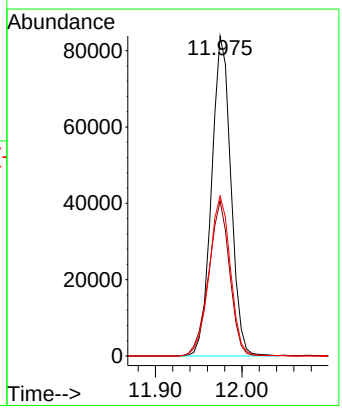


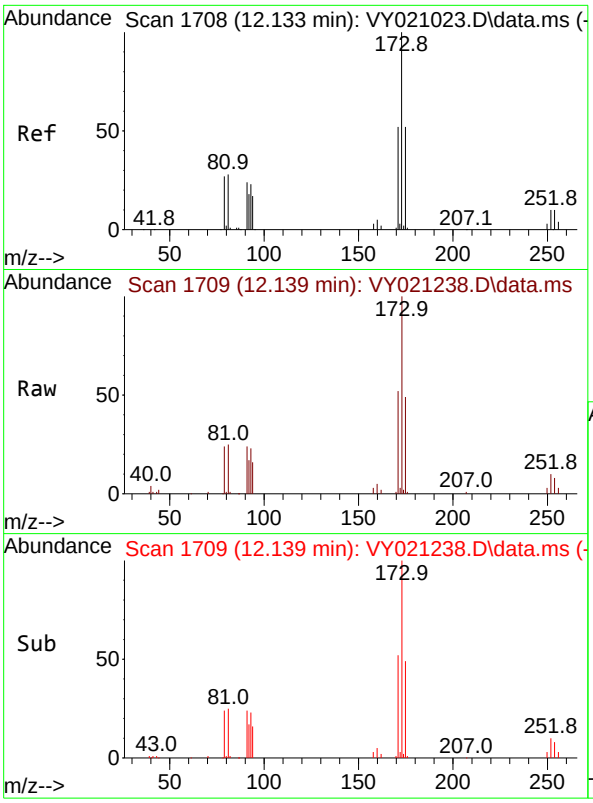


#70
Styrene
Concen: 22.209 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:104 Resp: 130042

Ion	Ratio	Lower	Upper
104	100		
78	52.5	39.2	58.8
103	54.8	43.8	65.6



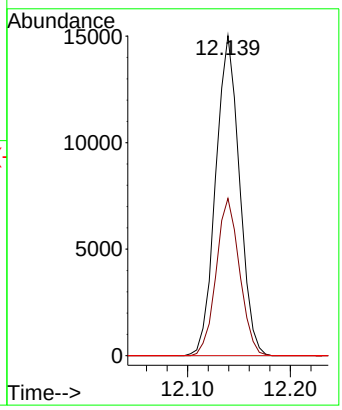


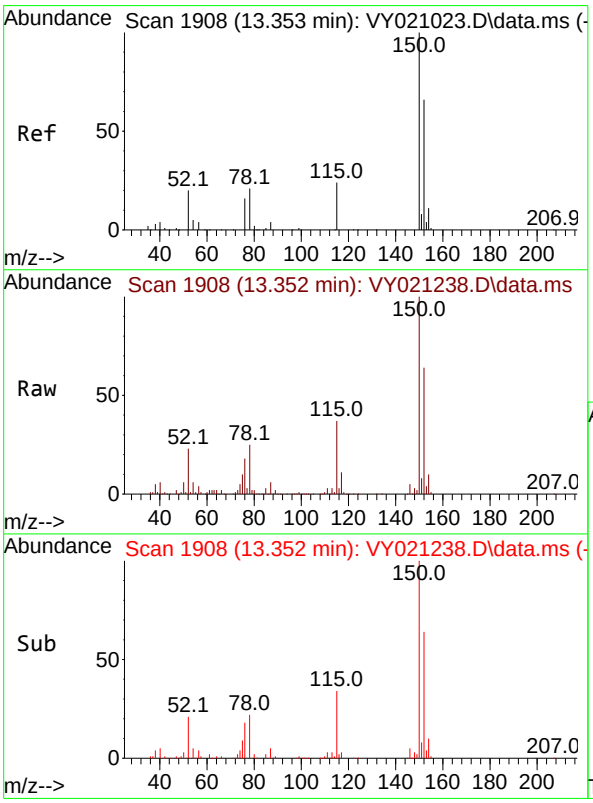
#71
Bromoform
Concen: 21.385 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:173 Resp: 24089

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.5	70.6
254	0.0	0.0	0.0

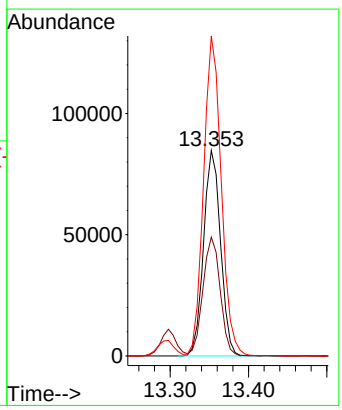


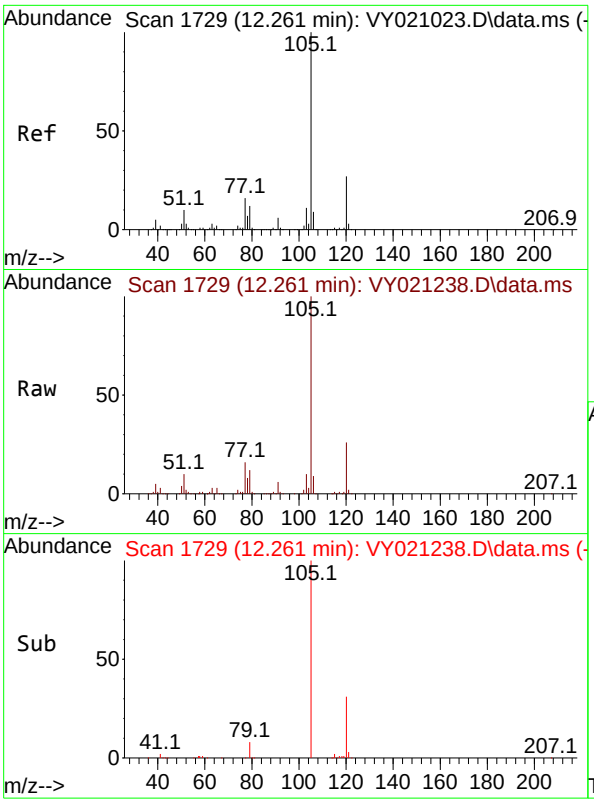


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:152 Resp: 127239

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.0
150	162.7	0.0	344.6



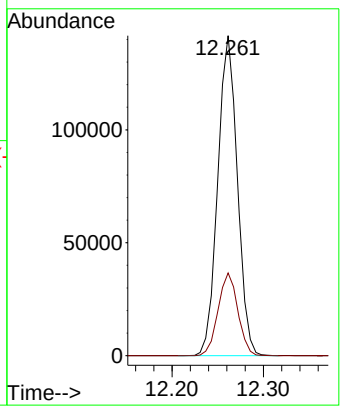


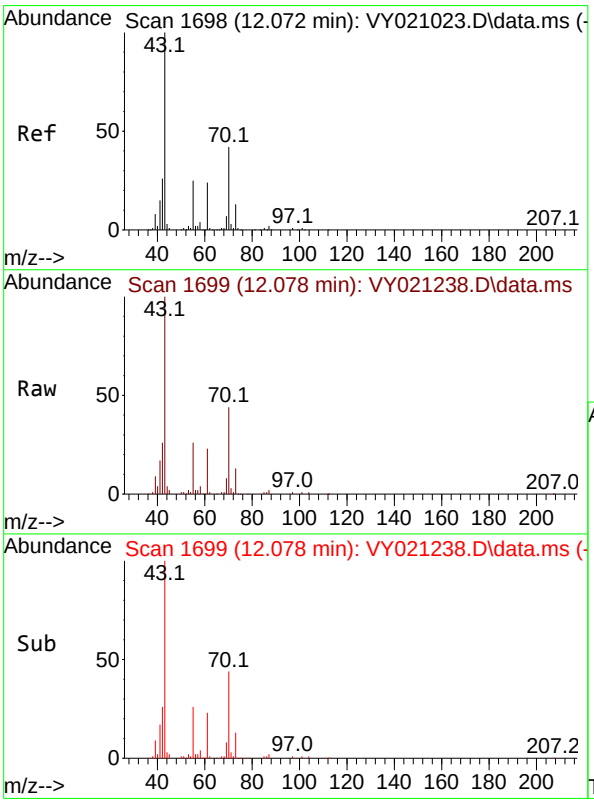
#73
Isopropylbenzene
Concen: 21.270 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:105 Resp: 211405

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

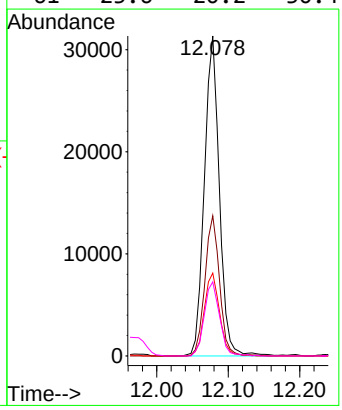


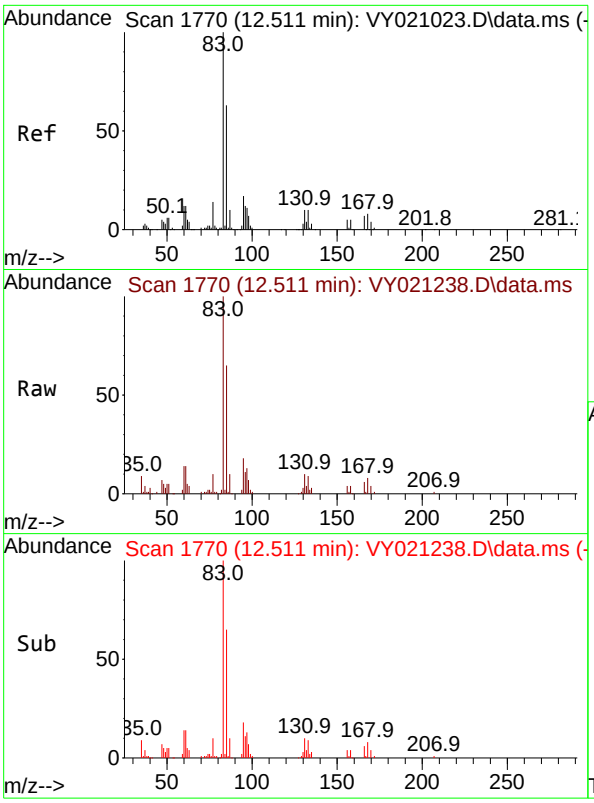


#74
N-amyl acetate
Concen: 21.059 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 45761

Ion	Ratio	Lower	Upper
43	100		
70	42.4	36.6	55.0
55	26.3	22.2	33.4
61	23.6	20.2	30.4



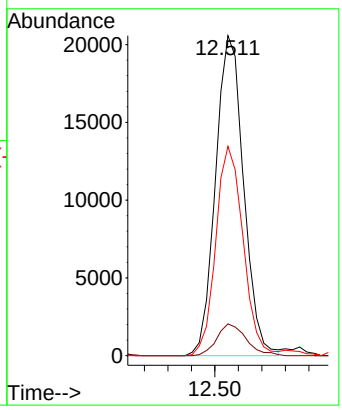


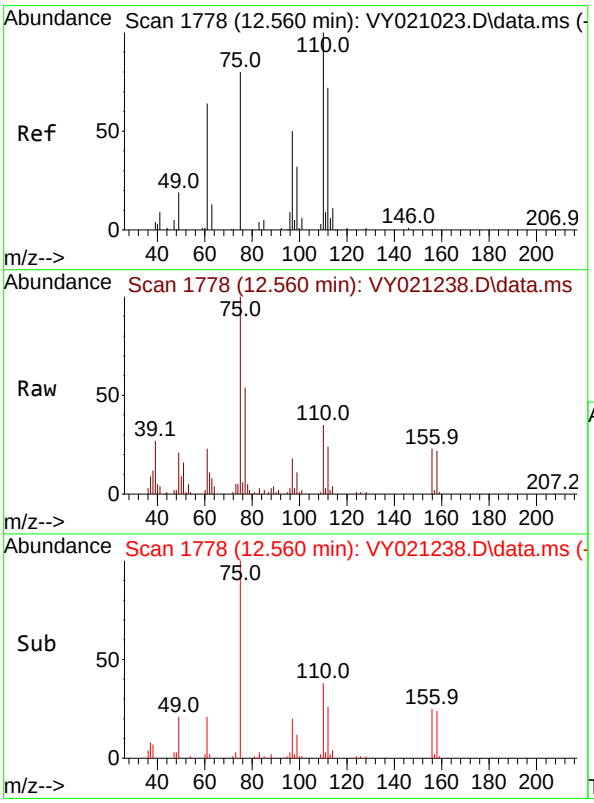
#75
1,1,2,2-Tetrachloroethane
Concen: 20.659 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 83 Resp: 34149

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.6
85	63.7	32.6	98.0

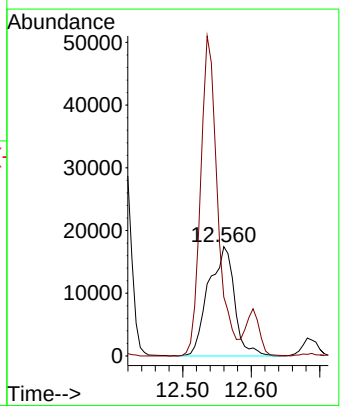


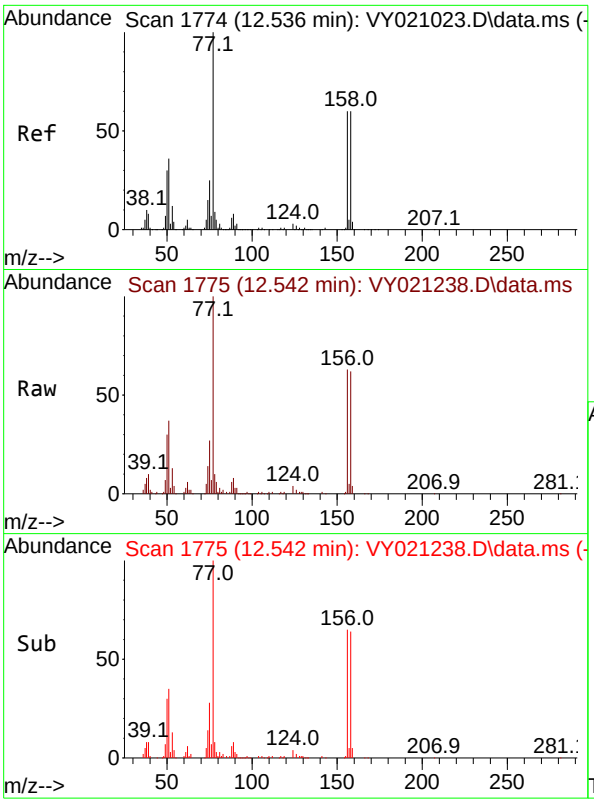


#76
1,2,3-Trichloropropane
Concen: 39.773 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 45907

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



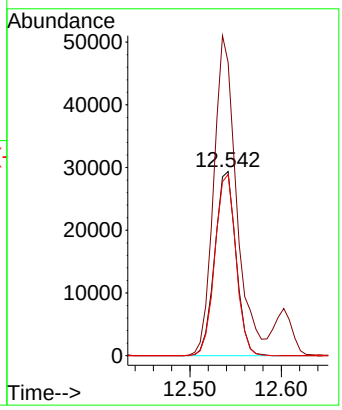


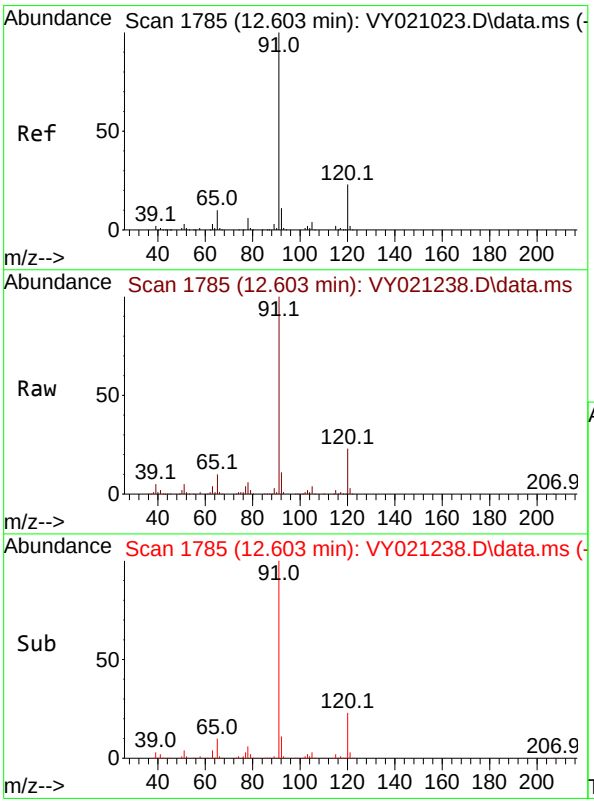
#77
Bromobenzene
Concen: 20.670 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:156 Resp: 47410

Ion	Ratio	Lower	Upper
156	100		
77	185.5	97.3	291.8
158	97.6	48.4	145.0

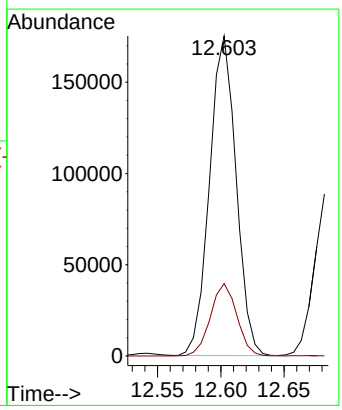


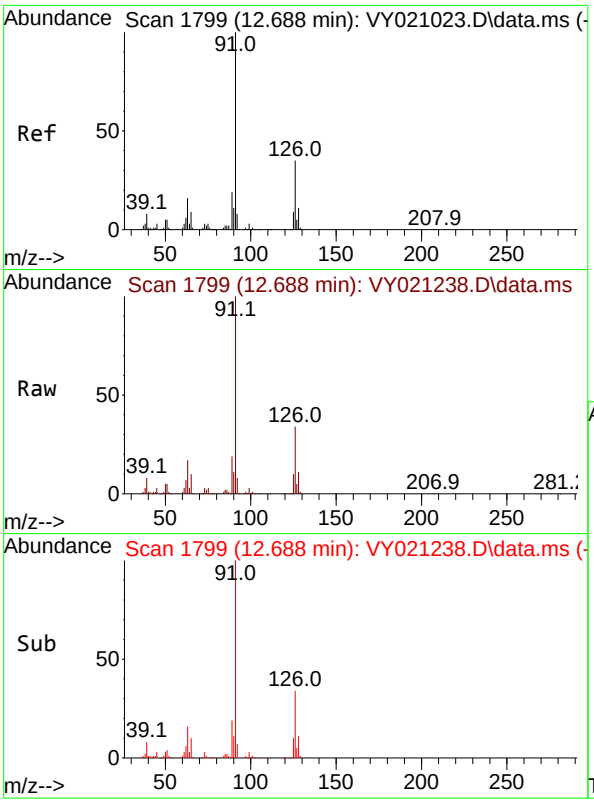


#78
n-propylbenzene
Concen: 21.599 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 255730

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.0	33.0



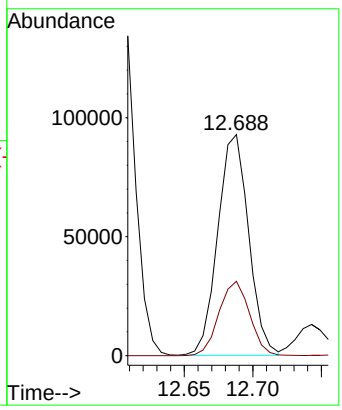


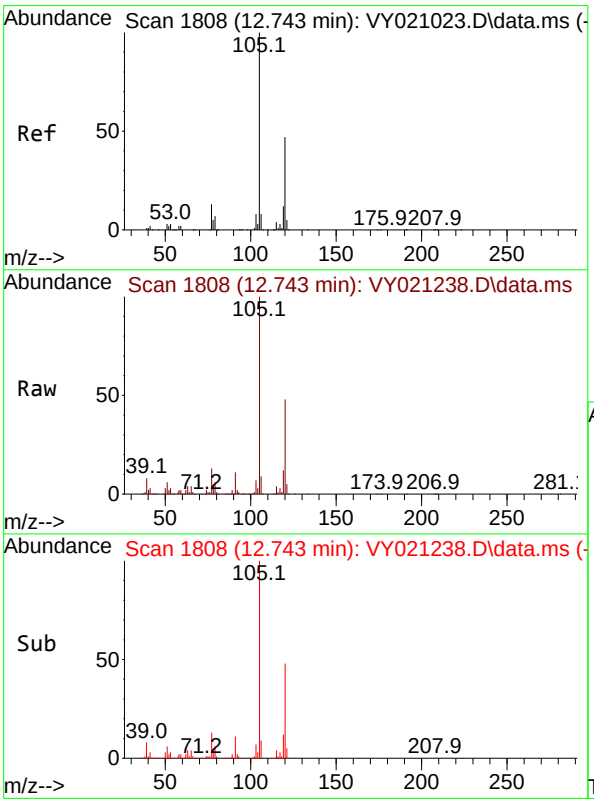
#79
2-Chlorotoluene
Concen: 21.449 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 91 Resp: 145452

Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.0	51.0

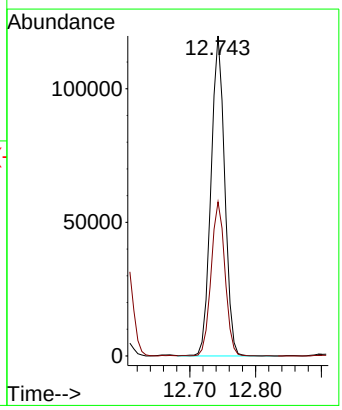


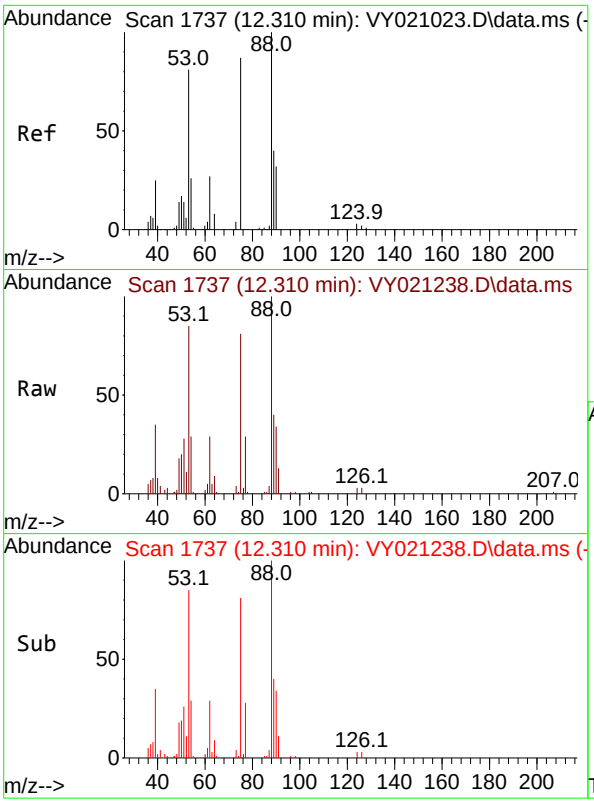


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 173873

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	72.8



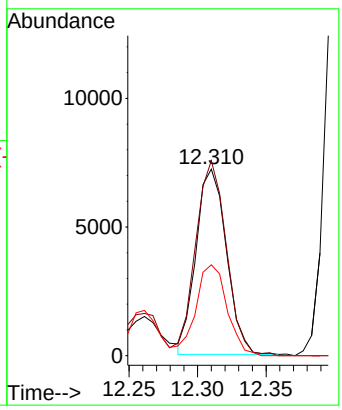


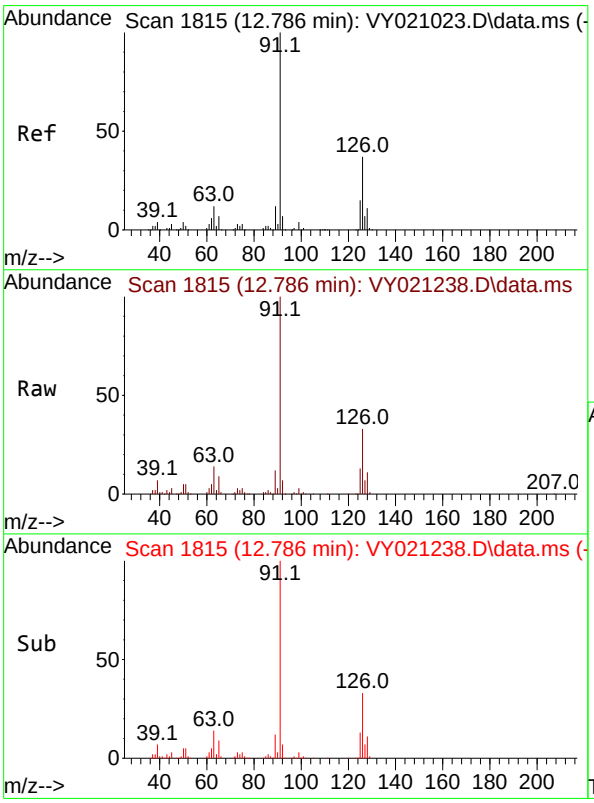
#81
trans-1,4-Dichloro-2-butene
Concen: 19.678 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 75 Resp: 11131

Ion	Ratio	Lower	Upper
75	100		
53	107.0	74.0	111.0
89	50.8	36.5	54.7

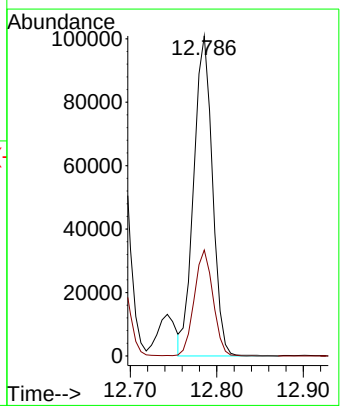


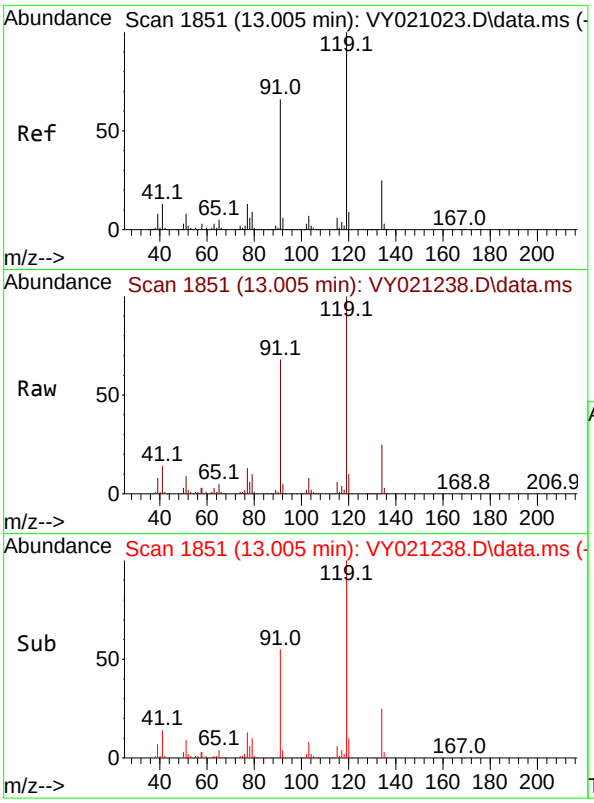


#82
4-Chlorotoluene
Concen: 21.910 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 151381

Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.1	51.2



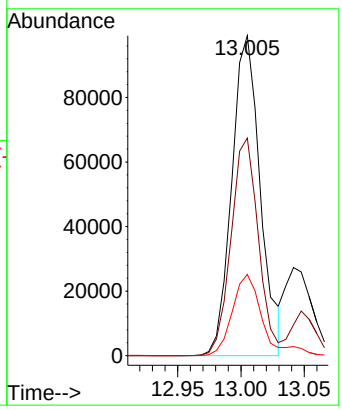


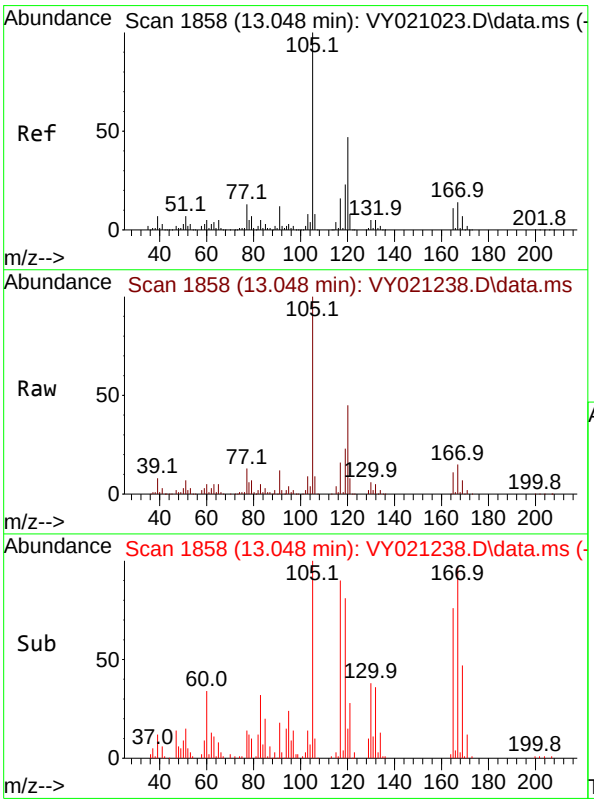
#83
tert-Butylbenzene
Concen: 21.237 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:119 Resp: 155556

Ion	Ratio	Lower	Upper
119	100		
91	65.1	31.5	94.5
134	26.9	13.1	39.3

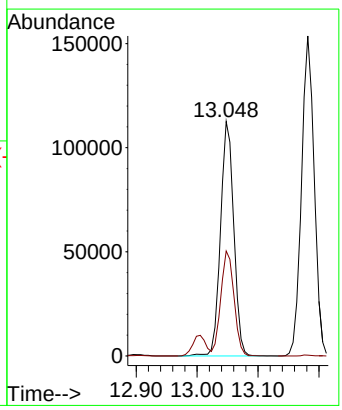


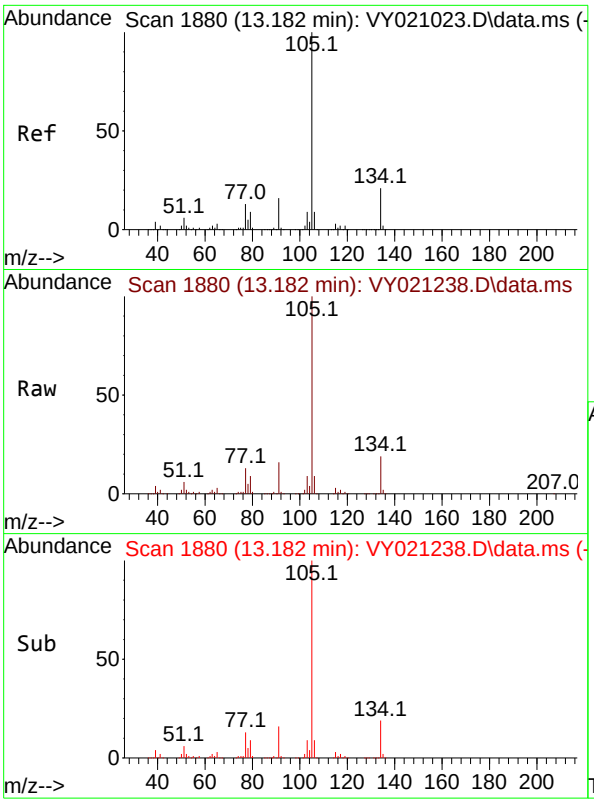


#84
1,2,4-Trimethylbenzene
Concen: 21.644 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 170537

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.3



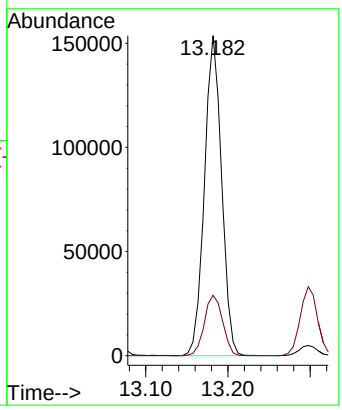


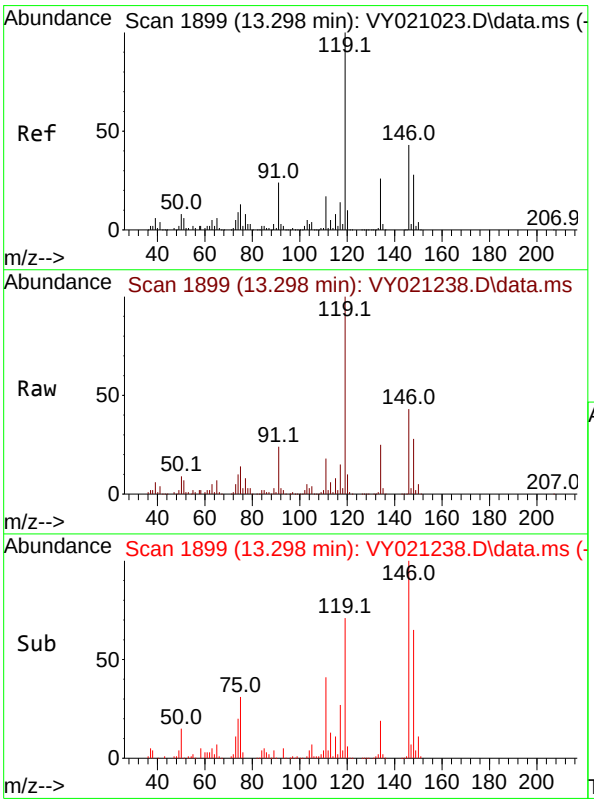
#85
sec-Butylbenzene
Concen: 21.099 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:105 Resp: 222457

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	28.9

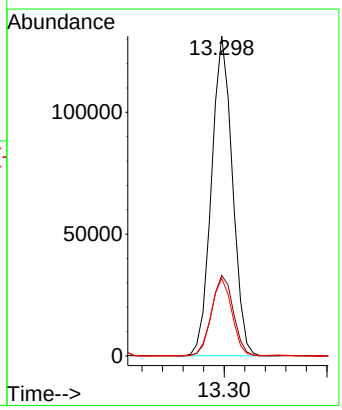


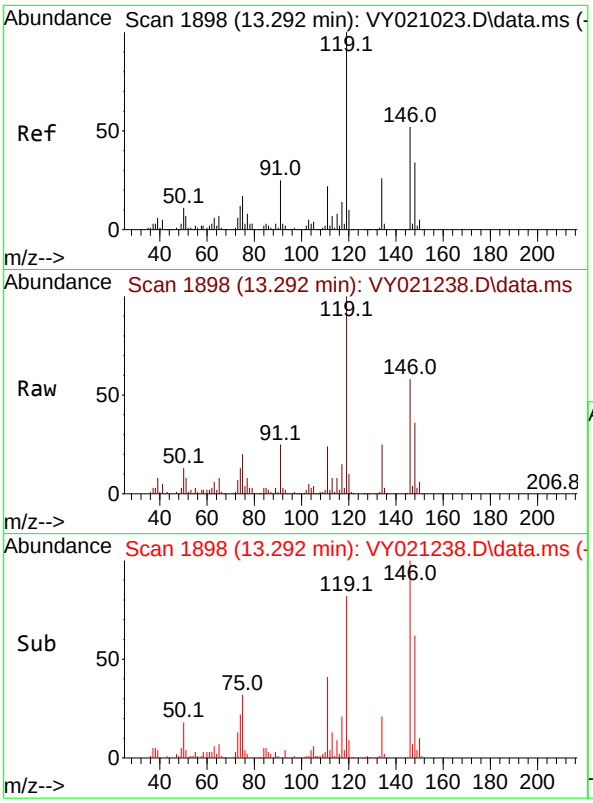


#86
p-Isopropyltoluene
Concen: 21.155 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:119 Resp: 185286

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	24.2	11.7	35.0



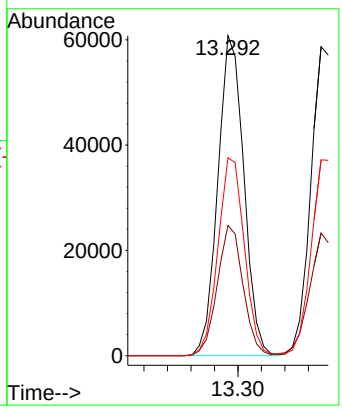


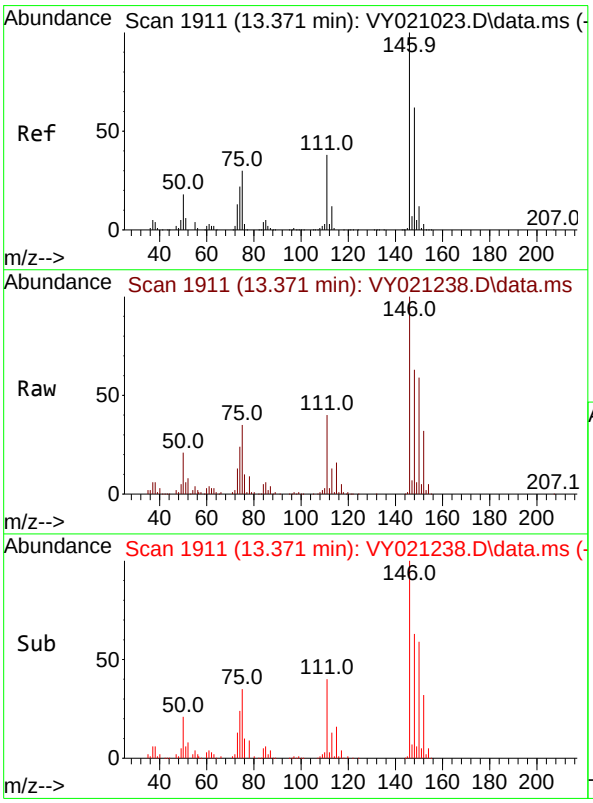
#87
1,3-Dichlorobenzene
Concen: 21.128 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:146 Resp: 93571

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	62.8	31.9	95.9

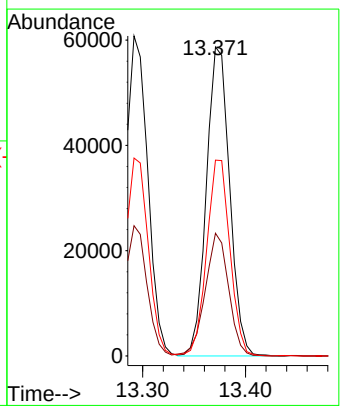


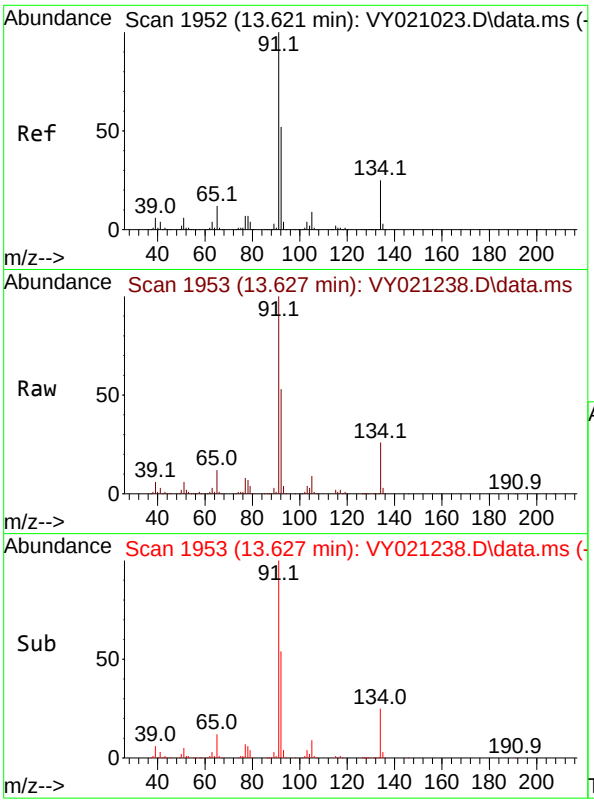


#88
1,4-Dichlorobenzene
Concen: 21.142 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 92191

Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.3	57.9
148	63.4	31.6	94.7



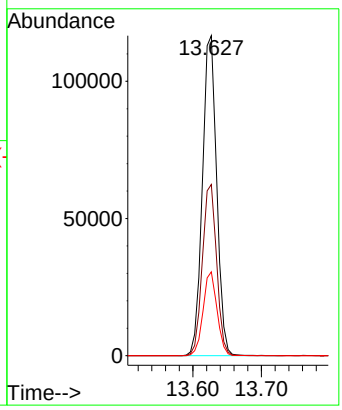


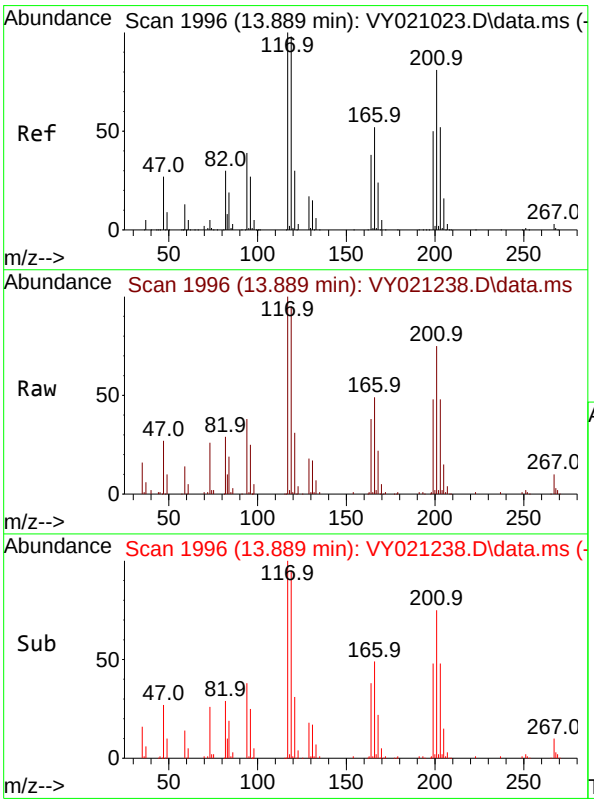
#89
n-Butylbenzene
Concen: 21.153 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion: 91 Resp: 169011

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	25.7	12.3	36.8

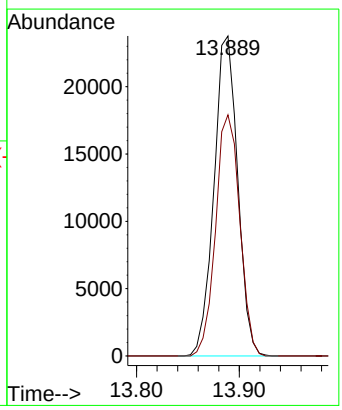


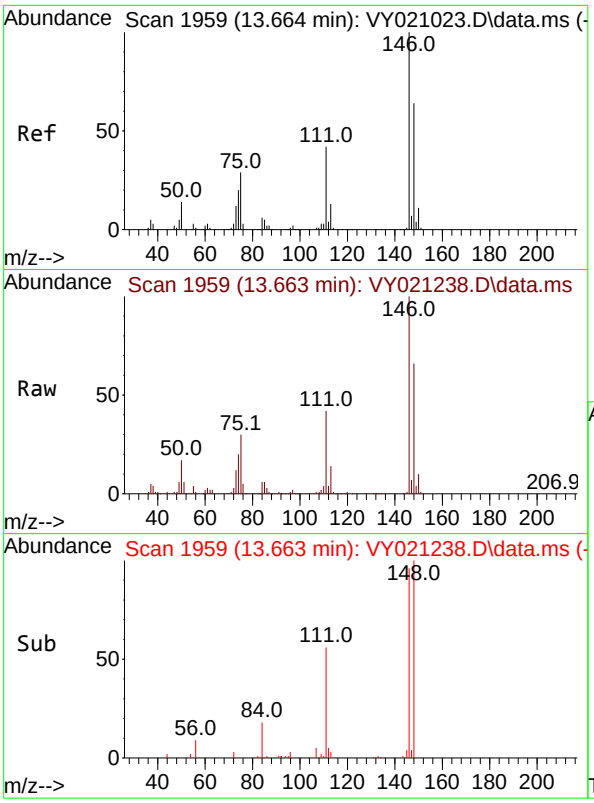


#90
Hexachloroethane
Concen: 20.838 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 38075

Ion	Ratio	Lower	Upper
117	100		
201	76.5	33.4	100.1



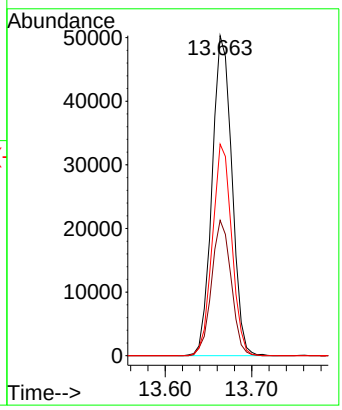


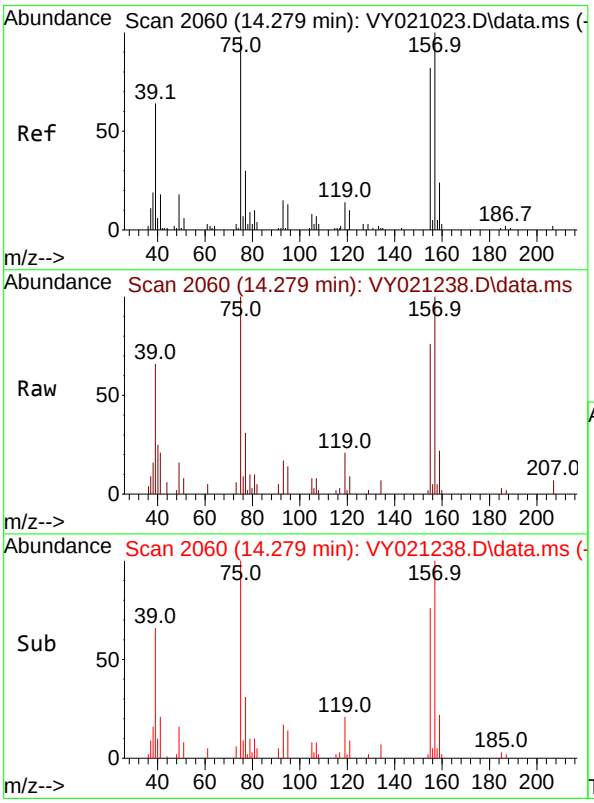
#91
1,2-Dichlorobenzene
Concen: 20.833 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:146 Resp: 80080

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.5	31.4	94.3

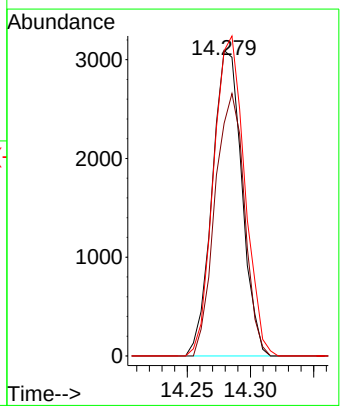


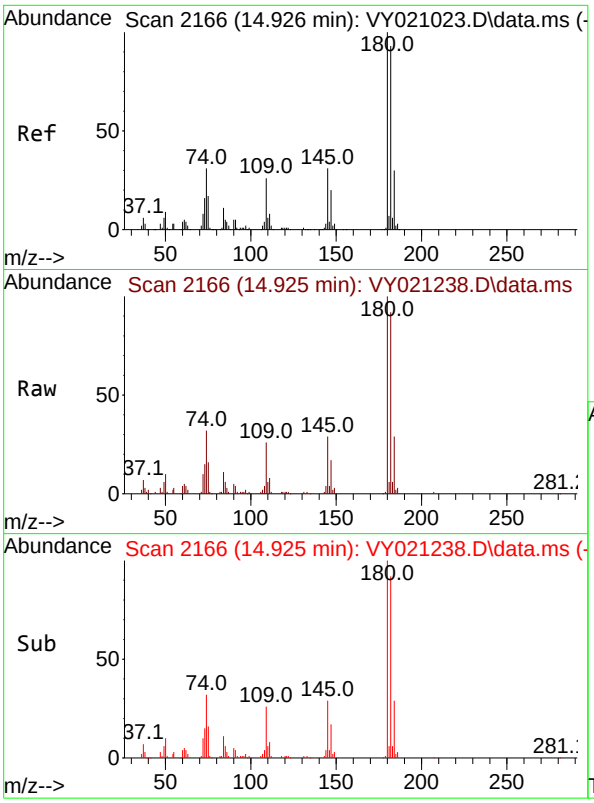


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.379 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 5034

Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.1	126.3
157	109.4	55.8	167.4



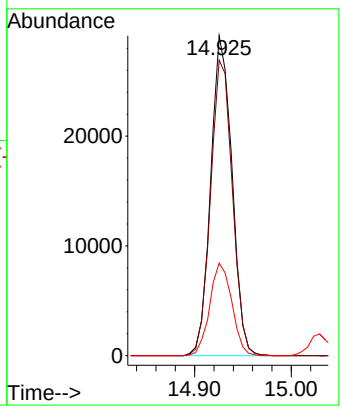


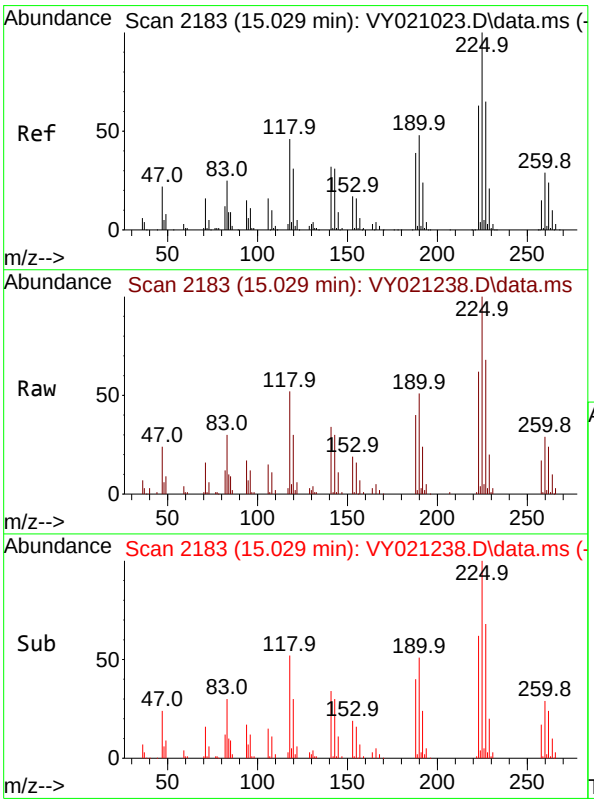
#93
1,2,4-Trichlorobenzene
Concen: 20.795 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:180 Resp: 44493

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	30.0	15.9	47.7

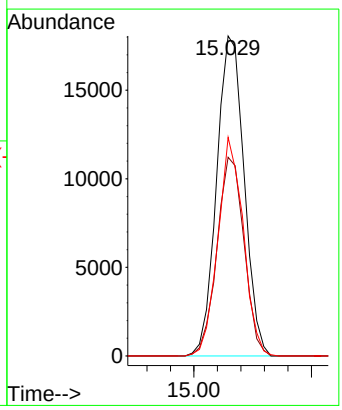


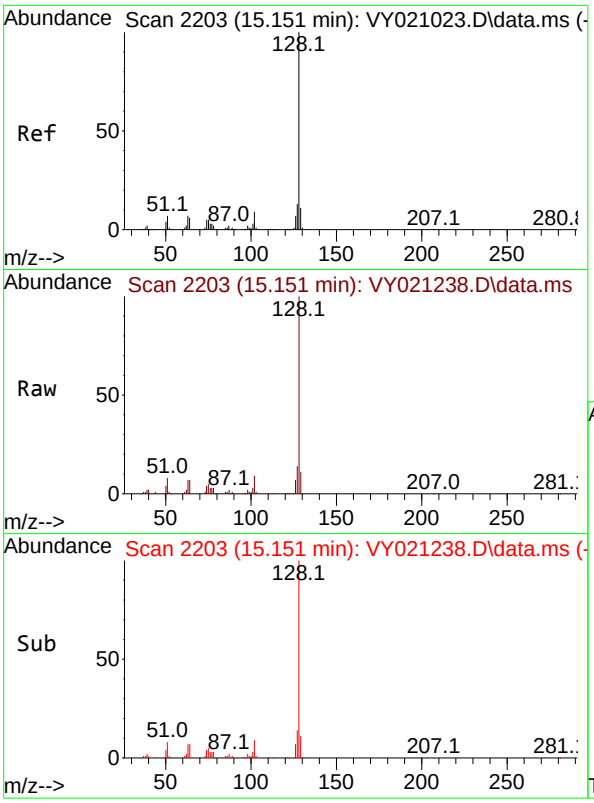


#94
Hexachlorobutadiene
Concen: 20.714 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:225 Resp: 29370

Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.3
227	62.9	32.3	96.8



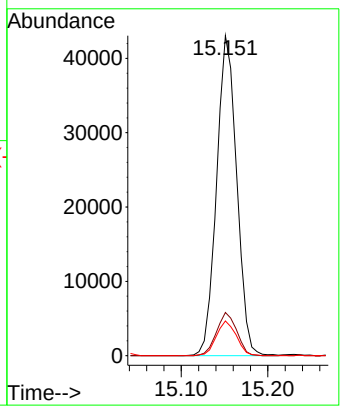


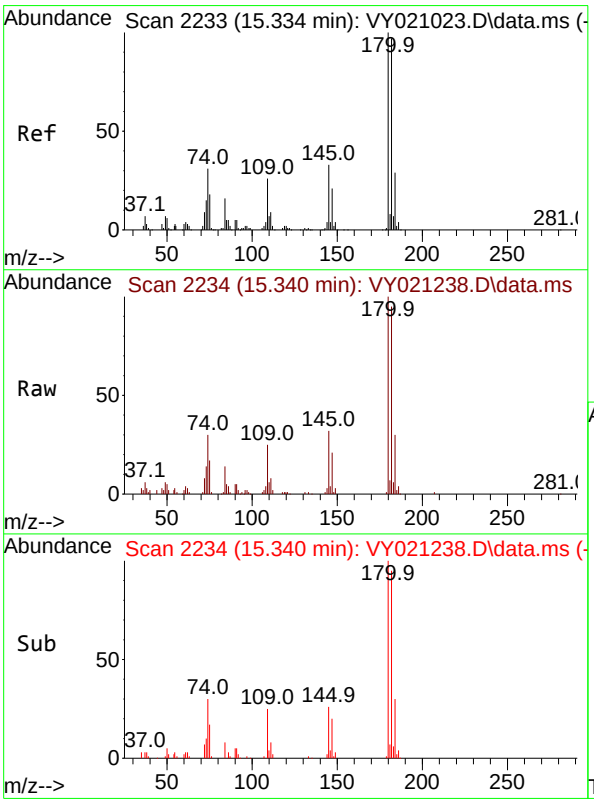
#95
Naphthalene
Concen: 20.324 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tgt Ion:128 Resp: 69571

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.8	8.6	12.8

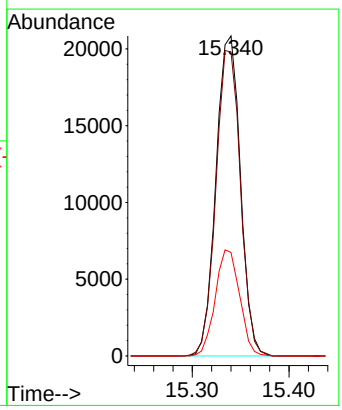




#96
1,2,3-Trichlorobenzene
Concen: 20.486 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:180 Resp: 36476

Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.3	138.8
145	33.1	16.1	48.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	165417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	263329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	229757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	116229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	88101	51.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.960%			
35) Dibromofluoromethane	7.646	113	84971	50.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.109	98	314603	48.967	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.407	95	111317	53.035	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	68125	46.207	ug/l	94
3) Chloromethane	2.074	50	77616	53.350	ug/l	98
4) Vinyl Chloride	2.208	62	81998	55.997	ug/l	98
5) Bromomethane	2.604	94	51477	56.877	ug/l	95
6) Chloroethane	2.745	64	53243	61.081	ug/l	97
7) Trichlorofluoromethane	3.068	101	139644	52.345	ug/l	100
8) Diethyl Ether	3.464	74	46675	56.045	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	85745	51.211	ug/l	96
10) Methyl Iodide	4.013	142	96299	51.770	ug/l	93
11) Tert butyl alcohol	4.878	59	30610	266.519	ug/l	98
12) 1,1-Dichloroethene	3.799	96	80071	50.767	ug/l	89
13) Acrolein	3.659	56	34023	192.376	ug/l	98
14) Allyl chloride	4.397	41	147780	55.595	ug/l	95
15) Acrylonitrile	5.067	53	105365	303.821	ug/l	99
16) Acetone	3.878	43	78384	296.567	ug/l	96
17) Carbon Disulfide	4.116	76	224522	45.397	ug/l	98
18) Methyl Acetate	4.397	43	61425	66.203	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	234150	58.736	ug/l	98
20) Methylene Chloride	4.628	84	93932	57.169	ug/l	88
21) trans-1,2-Dichloroethene	5.122	96	89402	51.495	ug/l	91
22) Diisopropyl ether	6.024	45	328775	60.006	ug/l	97
23) Vinyl Acetate	5.970	43	911621	298.467	ug/l	98
24) 1,1-Dichloroethane	5.927	63	178918	55.736	ug/l	97
25) 2-Butanone	6.902	43	133426	307.203	ug/l	100
26) 2,2-Dichloropropane	6.896	77	153504	51.680	ug/l	96
27) cis-1,2-Dichloroethene	6.902	96	110153	55.122	ug/l	94
28) Bromochloromethane	7.256	49	72467	57.089	ug/l	96
29) Tetrahydrofuran	7.268	42	90360	307.460	ug/l	95
30) Chloroform	7.427	83	184343	55.908	ug/l	99
31) Cyclohexane	7.713	56	140823	48.715	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	162598	53.040	ug/l	100
36) 1,1-Dichloropropene	7.841	75	125097	50.046	ug/l	99
37) Ethyl Acetate	6.994	43	64705	59.007	ug/l	97
38) Carbon Tetrachloride	7.823	117	146445	50.141	ug/l	98
39) Methylcyclohexane	9.115	83	151836	49.660	ug/l	98
40) Benzene	8.085	78	387558	52.834	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	38035	59.955	ug/l		96
42) 1,2-Dichloroethane	8.164	62	111164	54.630	ug/l		97
43) Isopropyl Acetate	8.201	43	128687	59.061	ug/l		96
44) Trichloroethene	8.871	130	95421	50.349	ug/l		94
45) 1,2-Dichloropropane	9.146	63	96514	55.433	ug/l		97
46) Dibromomethane	9.237	93	52073	54.018	ug/l		97
47) Bromodichloromethane	9.426	83	142381	55.072	ug/l		96
48) Methyl methacrylate	9.225	41	60459	60.916	ug/l		94
49) 1,4-Dioxane	9.237	88	10699	1192.209	ug/l		91
51) 4-Methyl-2-Pentanone	10.005	43	334517	305.302	ug/l		97
52) Toluene	10.176	92	243403	52.845	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	130776	56.333	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	152060	55.321	ug/l	#	92
55) 1,1,2-Trichloroethane	10.579	97	69894	55.990	ug/l		99
56) Ethyl methacrylate	10.444	69	100897	60.418	ug/l		88
57) 1,3-Dichloropropane	10.725	76	121459	56.213	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	232635	292.814	ug/l		99
59) 2-Hexanone	10.767	43	222547	315.458	ug/l		95
60) Dibromochloromethane	10.914	129	95808	54.651	ug/l		99
61) 1,2-Dibromoethane	11.017	107	64150	54.863	ug/l		100
64) Tetrachloroethene	10.652	164	82866	48.585	ug/l		97
65) Chlorobenzene	11.444	112	266534	52.099	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.523	131	97033	53.372	ug/l		98
67) Ethyl Benzene	11.523	91	476554	52.665	ug/l		98
68) m/p-Xylenes	11.633	106	352761	104.209	ug/l		96
69) o-Xylene	11.956	106	168625	53.429	ug/l		97
70) Styrene	11.975	104	285969	54.365	ug/l		98
71) Bromoform	12.139	173	55594	54.936	ug/l	#	98
73) Isopropylbenzene	12.261	105	447834	49.326	ug/l		99
74) N-amyl acetate	12.072	43	114723	57.796	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	79491	52.644	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	104178	98.809	ug/l	#	100
77) Bromobenzene	12.535	156	103017	49.169	ug/l		97
78) n-propylbenzene	12.603	91	539445	49.878	ug/l		99
79) 2-Chlorotoluene	12.688	91	309867	50.023	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	365700	49.680	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	27332	52.896	ug/l		97
82) 4-Chlorotoluene	12.779	91	316493	50.148	ug/l		99
83) tert-Butylbenzene	13.005	119	336692	50.321	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	364939	50.704	ug/l		100
85) sec-Butylbenzene	13.182	105	478716	49.704	ug/l		99
86) p-Isopropyltoluene	13.298	119	395546	49.440	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	201146	49.722	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	194880	48.925	ug/l		99
89) n-Butylbenzene	13.621	91	368108	50.435	ug/l		99
90) Hexachloroethane	13.883	117	83620	50.100	ug/l		87
91) 1,2-Dichlorobenzene	13.663	146	176618	50.301	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11631	51.546	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	103377	52.893	ug/l		99
94) Hexachlorobutadiene	15.029	225	63868	49.312	ug/l		98
95) Naphthalene	15.151	128	180305	57.663	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	87654	53.891	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

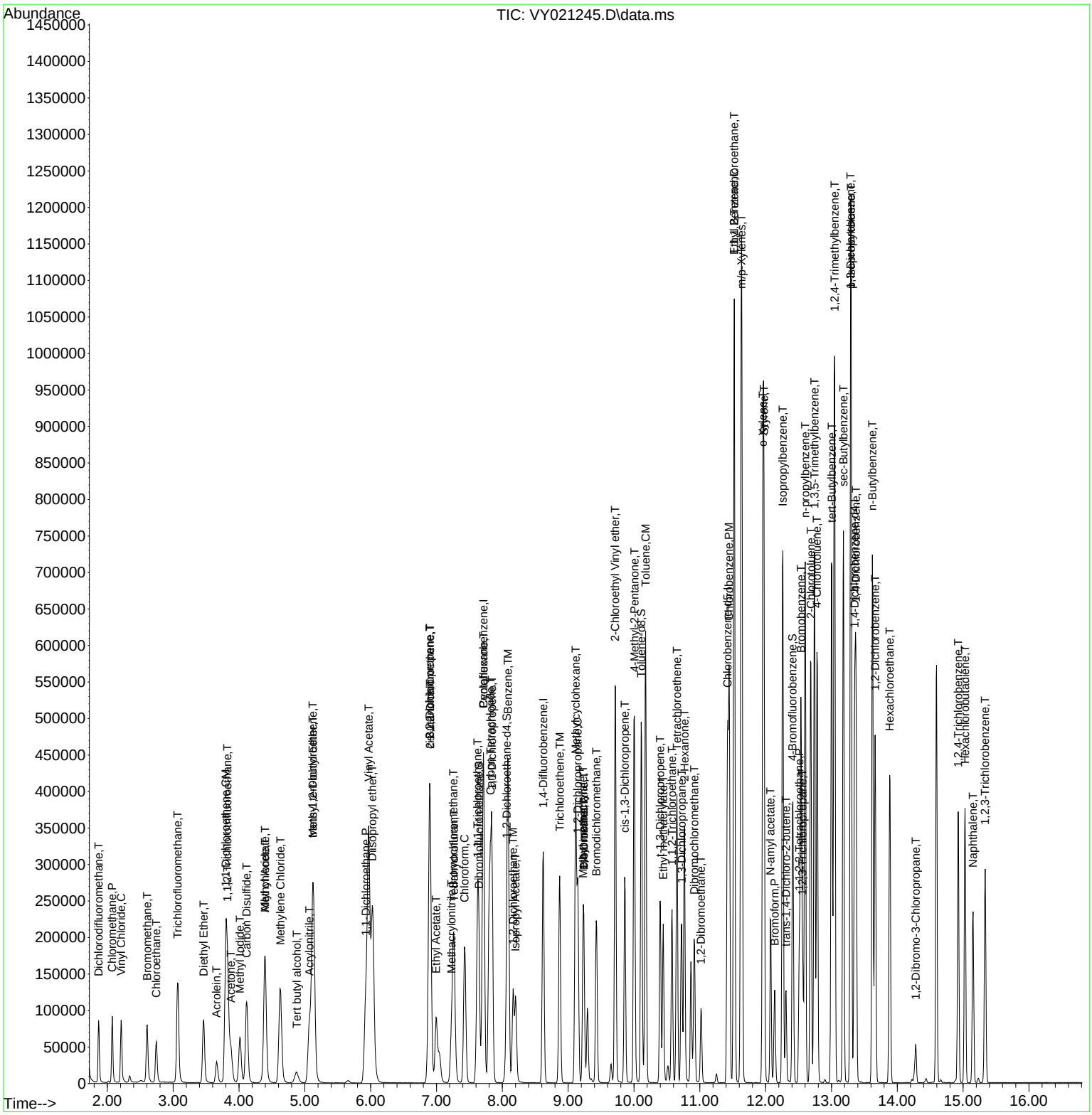
(#) = qualifier out of range (m) = manual integration (+) = signals summed

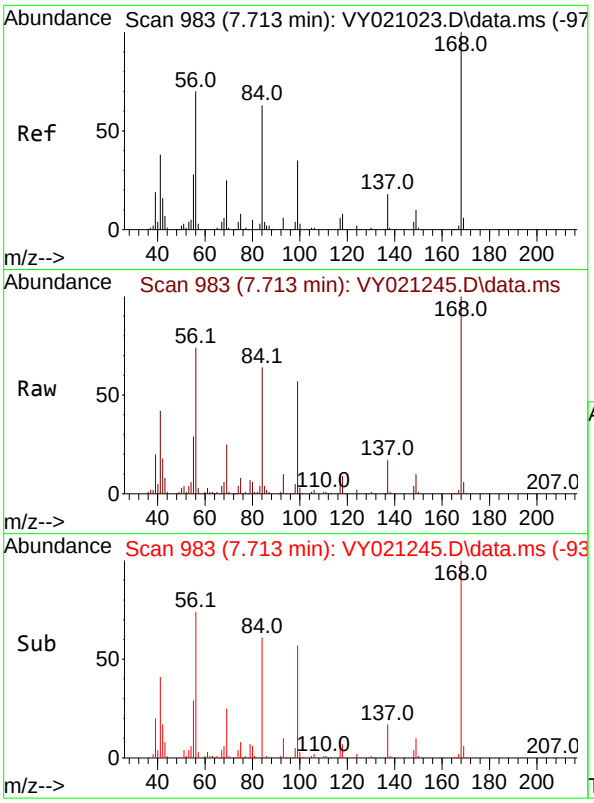
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



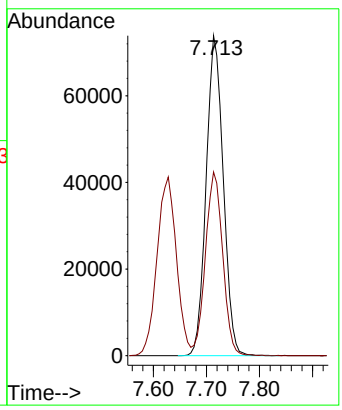


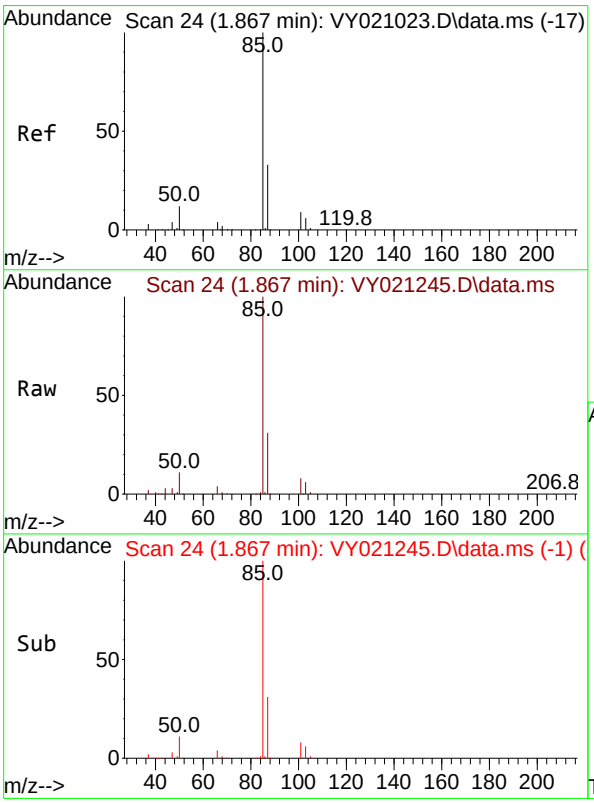
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 165417

Ion	Ratio	Lower	Upper
168	100		
99	57.3	44.2	66.4

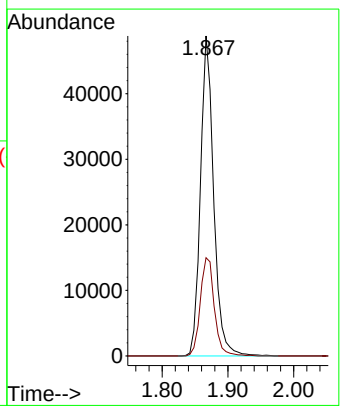


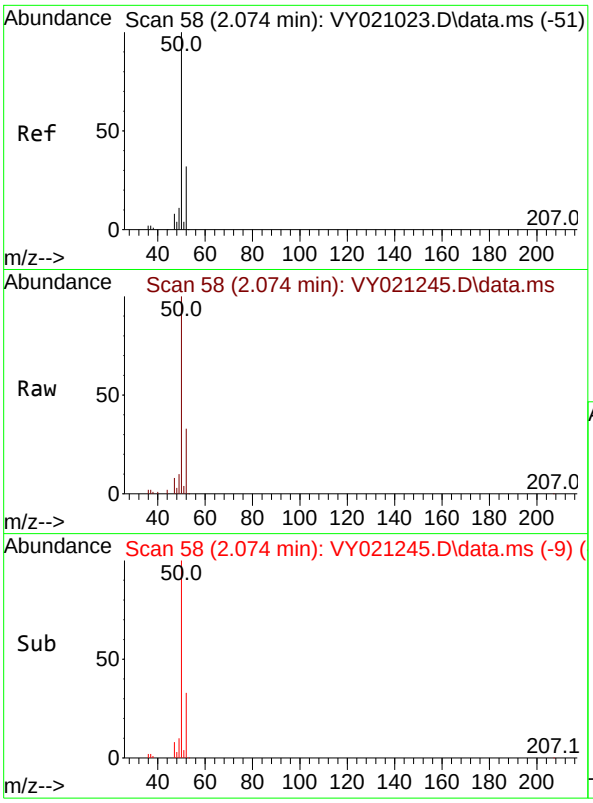


#2
Dichlorodifluoromethane
Concen: 46.207 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 85 Resp: 68125

Ion	Ratio	Lower	Upper
85	100		
87	30.7	17.1	51.3



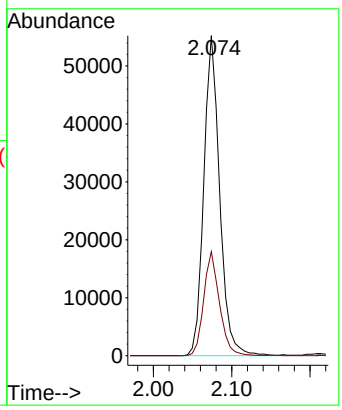


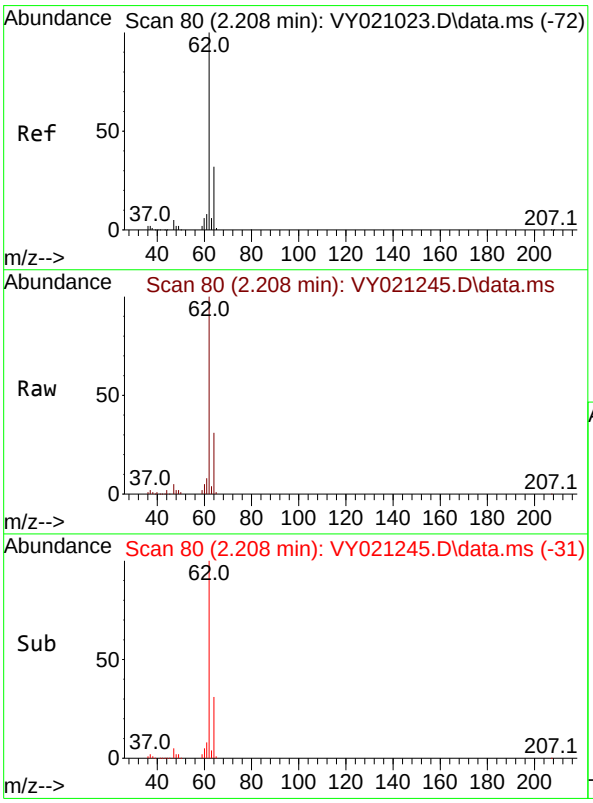
#3
Chloromethane
Concen: 53.350 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 77616

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.7	40.1

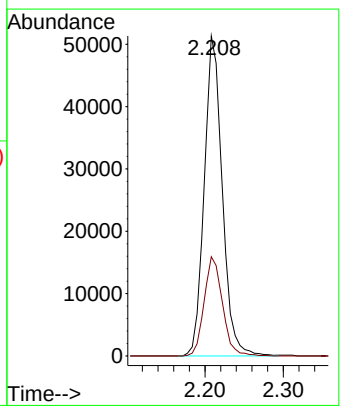


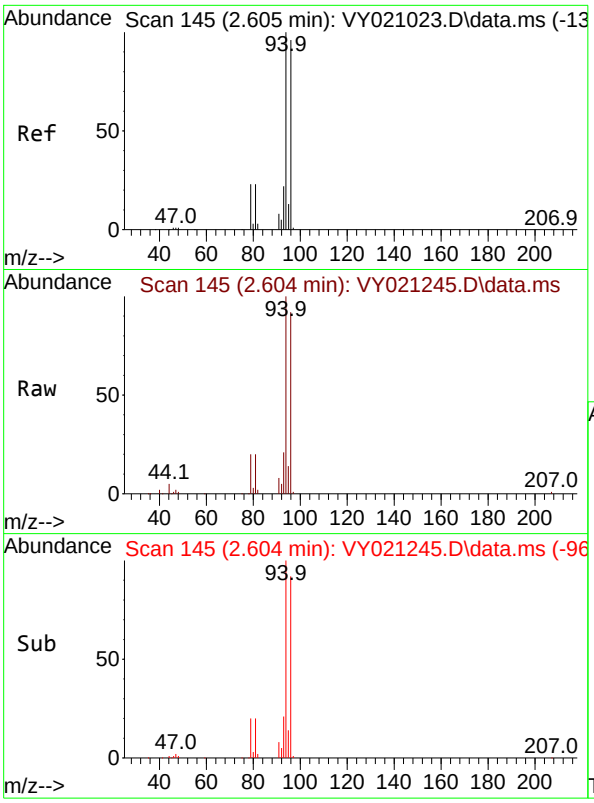


#4
Vinyl Chloride
Concen: 55.997 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 81998

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.7	38.5



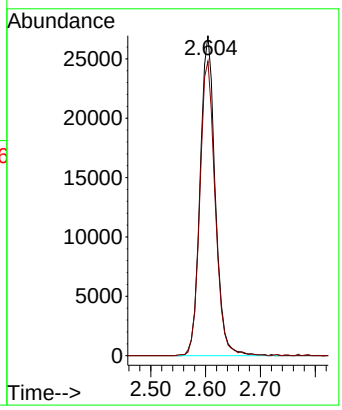


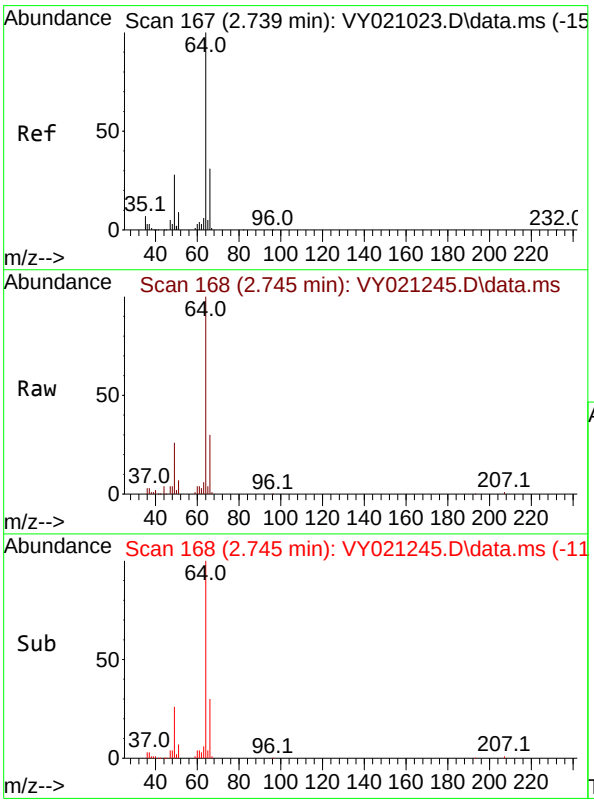
#5
Bromomethane
Concen: 56.877 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 51477

Ion	Ratio	Lower	Upper
94	100		
96	91.7	77.3	115.9

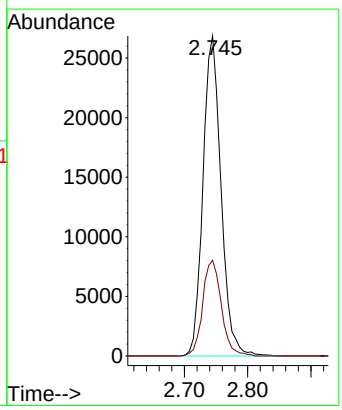


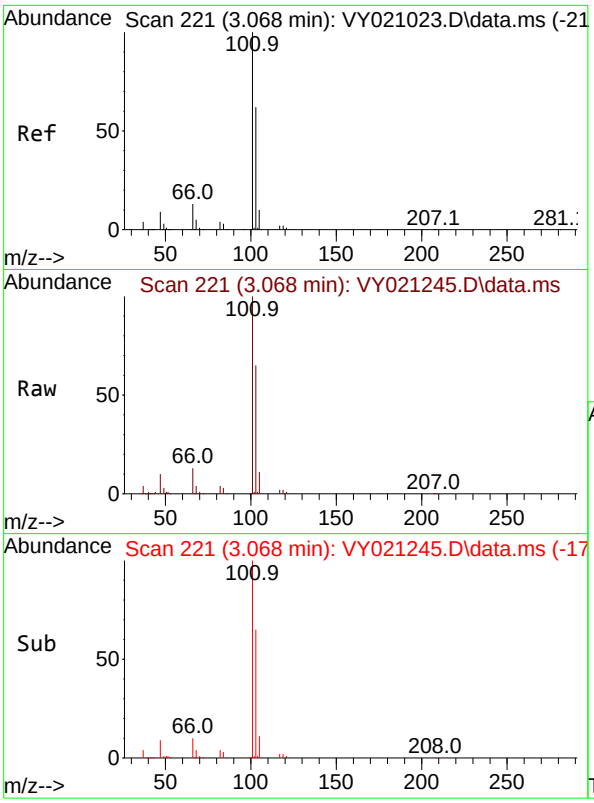


#6
Chloroethane
Concen: 61.081 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 64 Resp: 53243

Ion	Ratio	Lower	Upper
64	100		
66	29.9	25.1	37.7



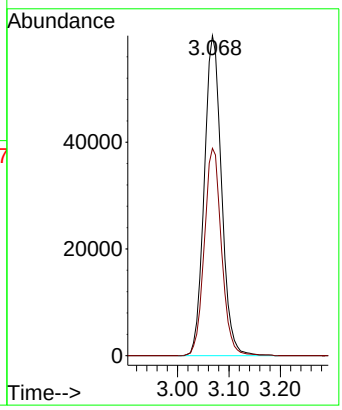


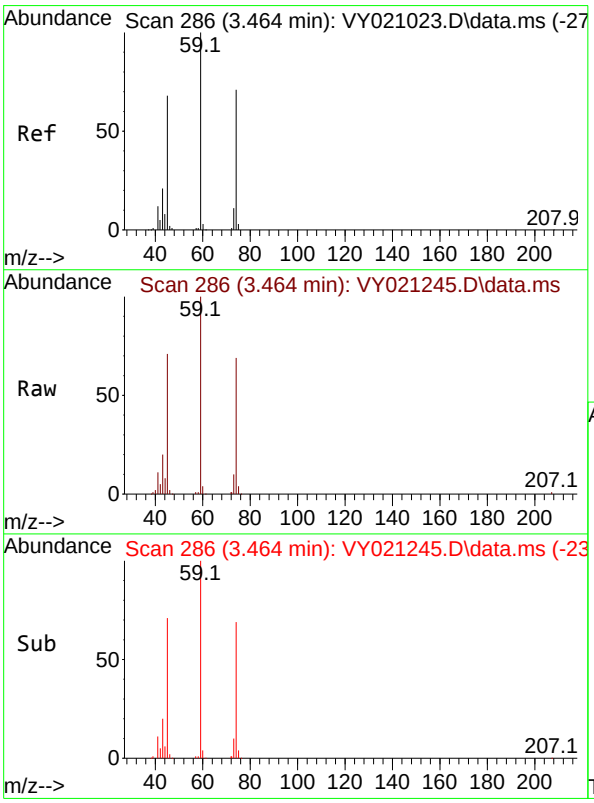
#7
Trichlorofluoromethane
Concen: 52.345 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 139644

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.9	77.9

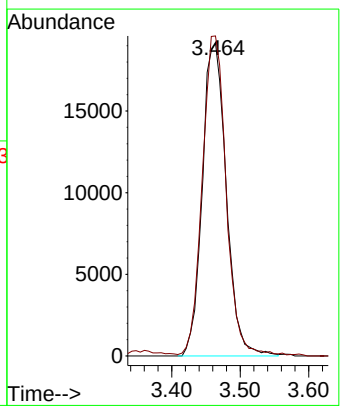


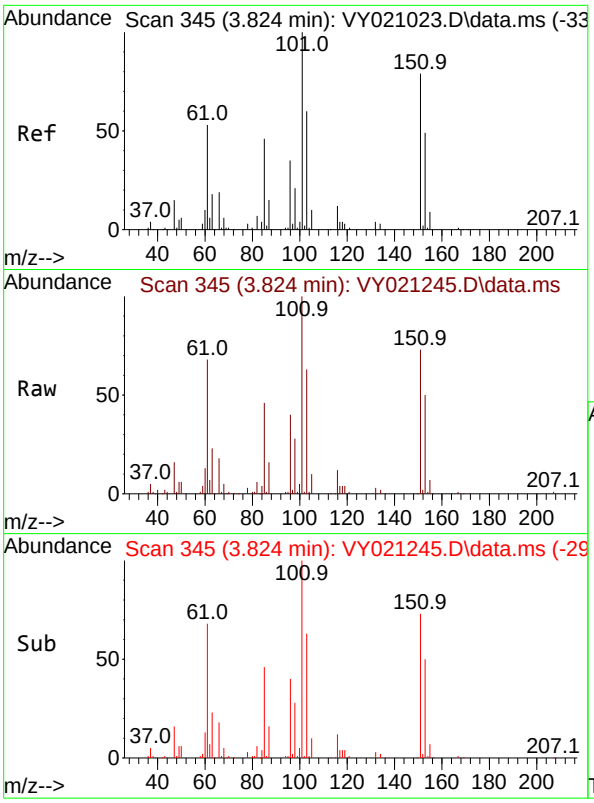


#8
Diethyl Ether
Concen: 56.045 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 74 Resp: 46675

Ion	Ratio	Lower	Upper
74	100		
45	100.5	47.9	143.7



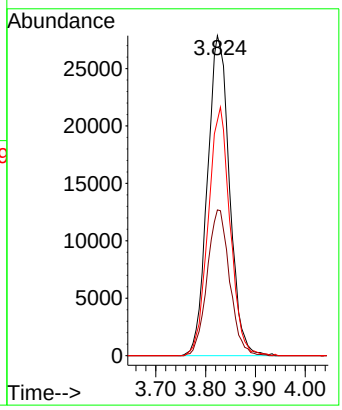


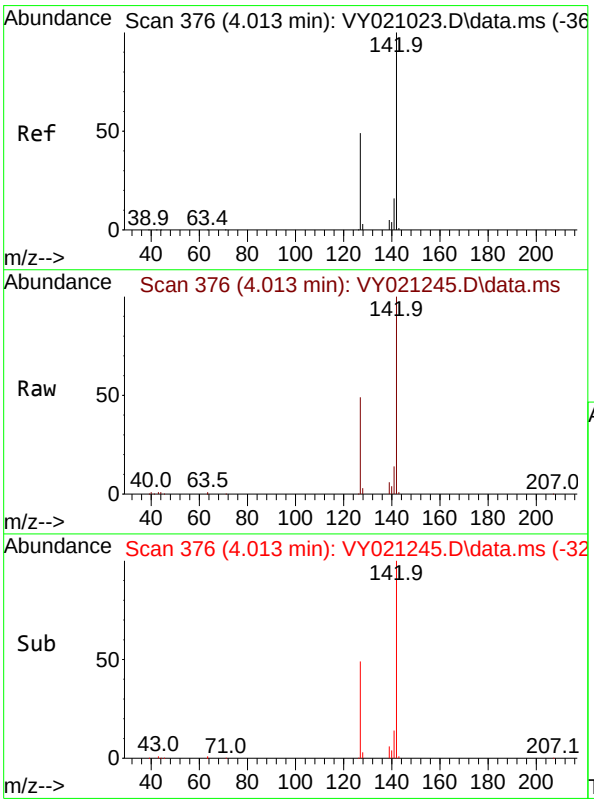
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.211 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 85745

Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.8	53.6
151	76.9	58.6	88.0

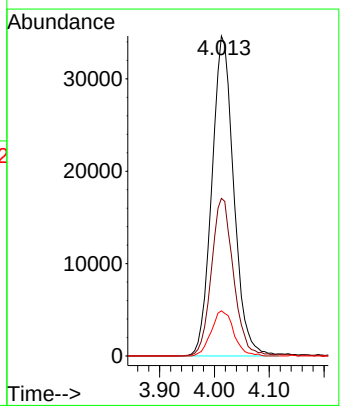


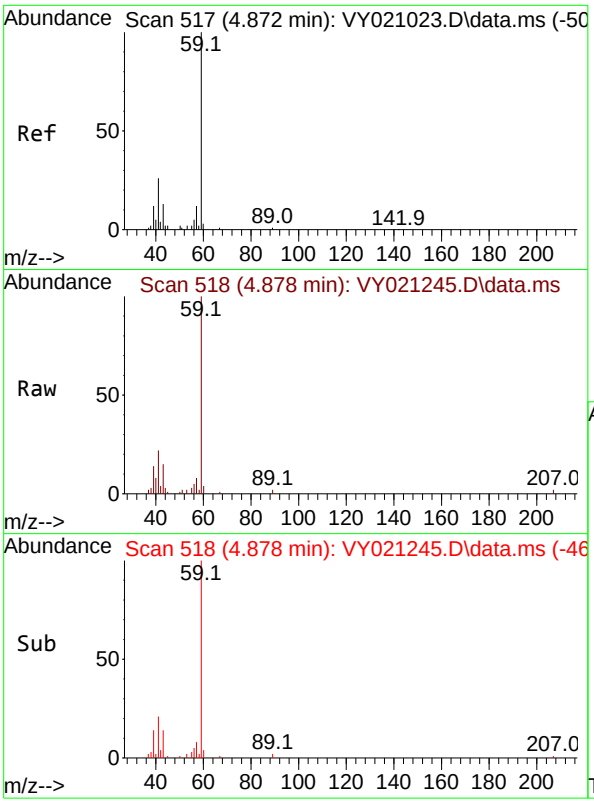


#10
Methyl Iodide
Concen: 51.770 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:142 Resp: 96299

Ion	Ratio	Lower	Upper
142	100		
127	49.5	35.1	52.7
141	14.5	11.8	17.6



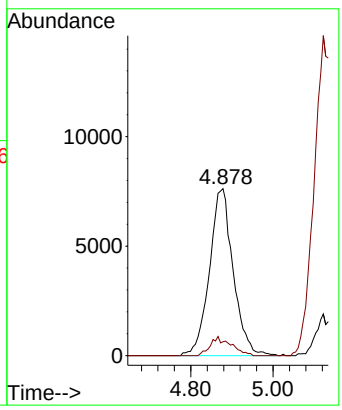


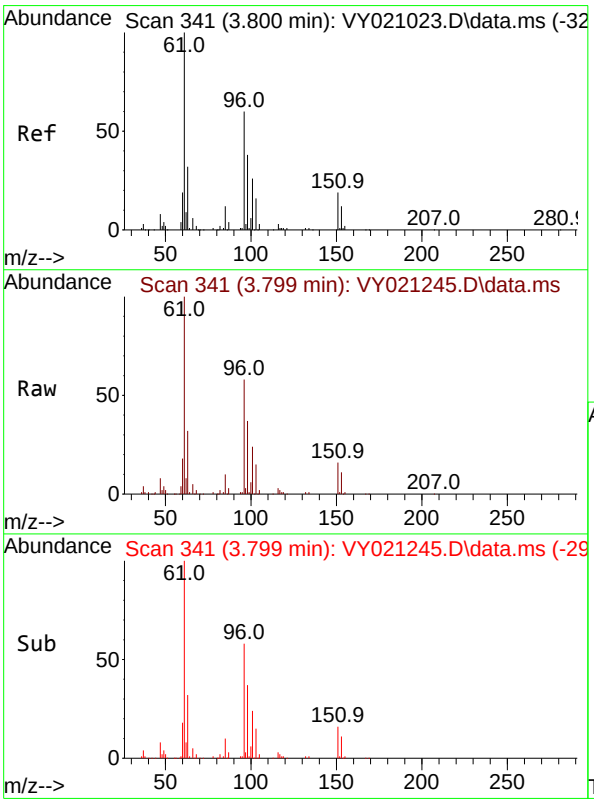
#11
Tert butyl alcohol
Concen: 266.519 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 30610

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0

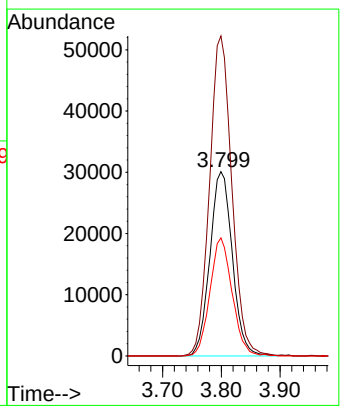


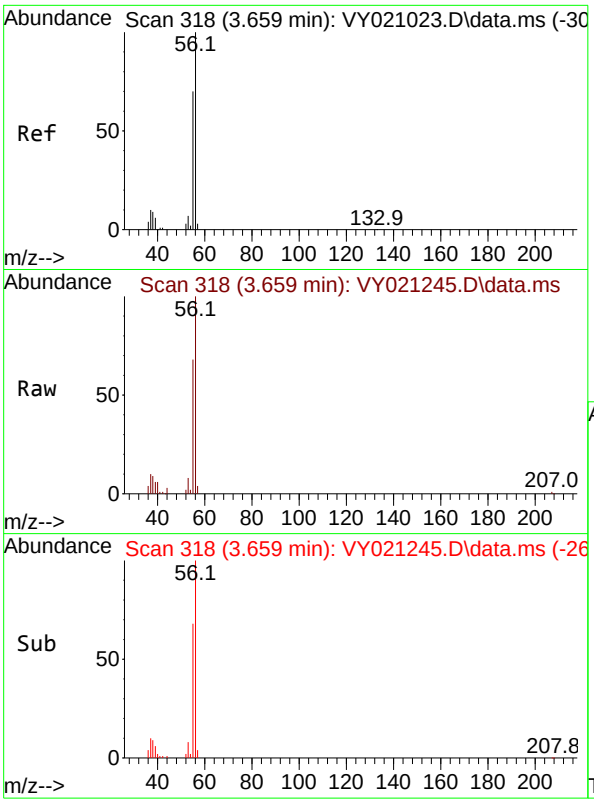


#12
1,1-Dichloroethene
Concen: 50.767 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 80071

Ion	Ratio	Lower	Upper
96	100		
61	173.6	124.2	186.2
98	64.1	52.6	79.0



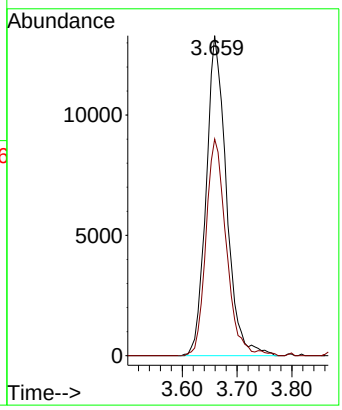


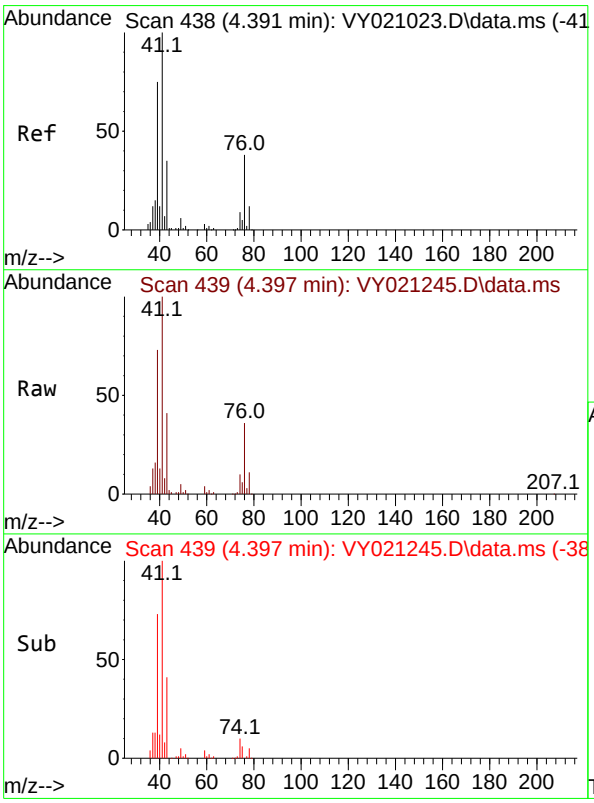
#13
Acrolein
Concen: 192.376 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 34023

Ion	Ratio	Lower	Upper
56	100		
55	67.4	55.4	83.0

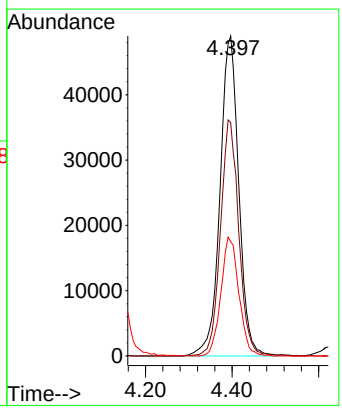


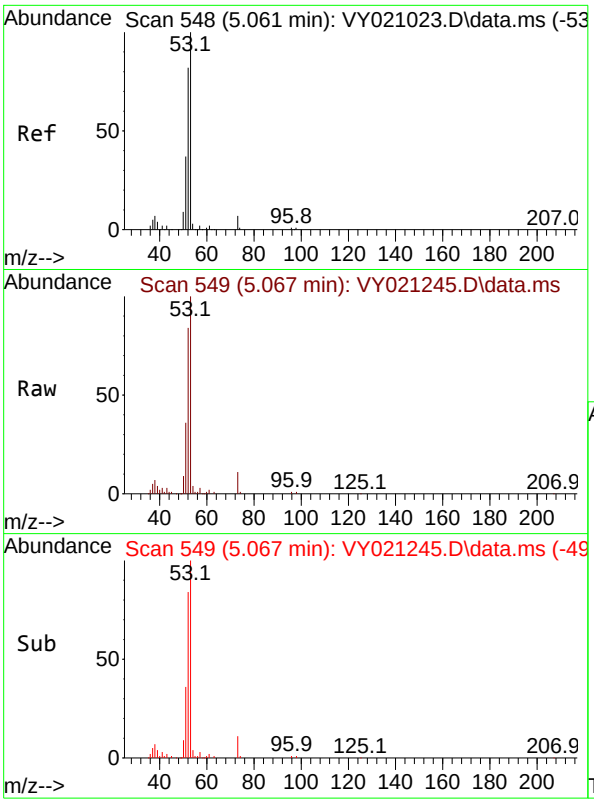


#14
Allyl chloride
Concen: 55.595 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 147780

Ion	Ratio	Lower	Upper
41	100		
39	72.1	54.7	82.1
76	35.6	31.8	47.6



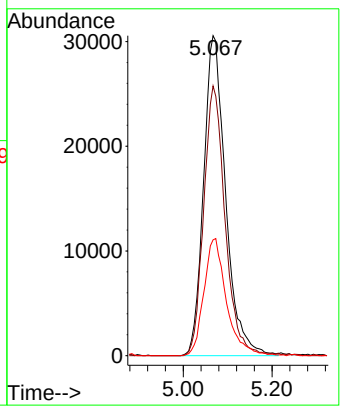


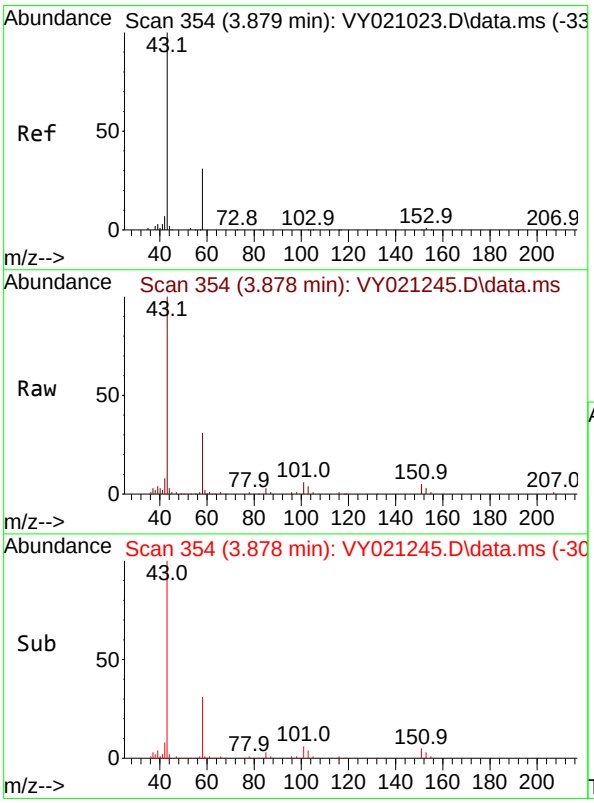
#15
Acrylonitrile
Concen: 303.821 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 105365

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.1	97.7
51	37.6	29.0	43.4

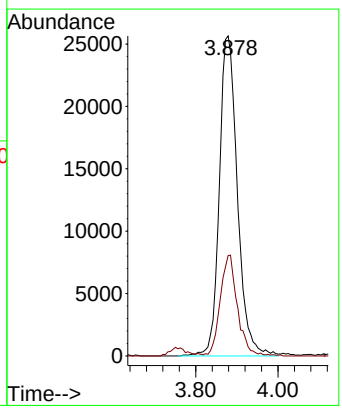


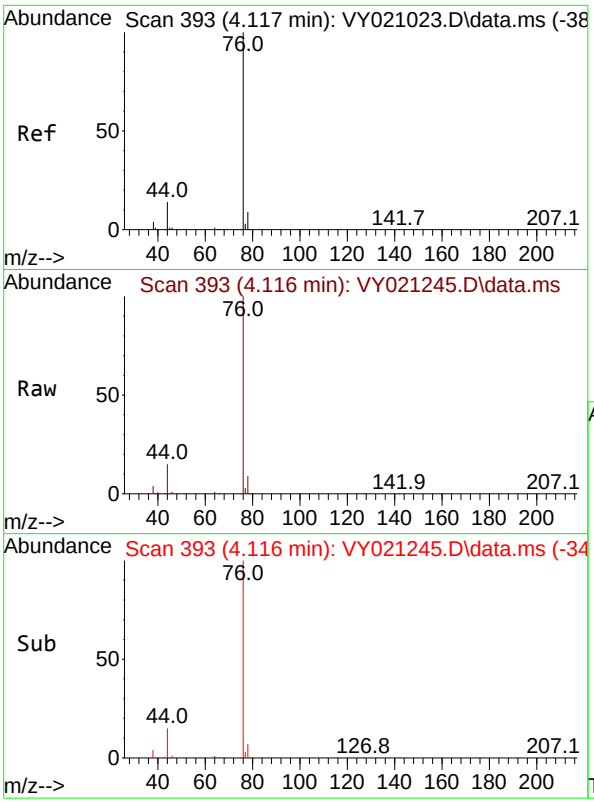


#16
Acetone
Concen: 296.567 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 78384

Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.6	39.8



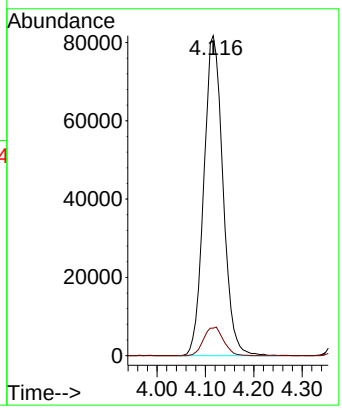


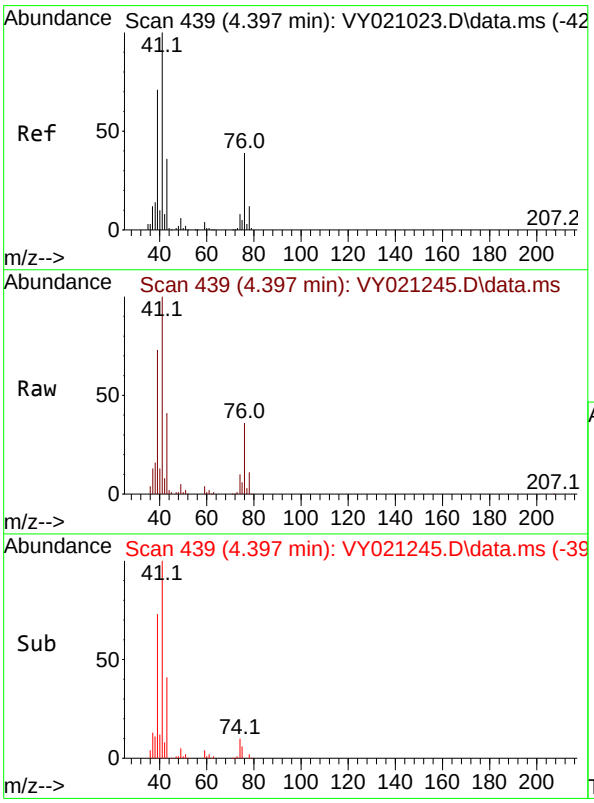
#17
Carbon Disulfide
Concen: 45.397 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 224522

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

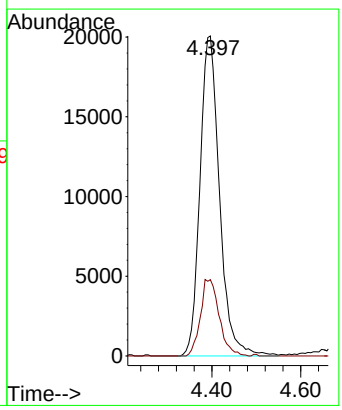


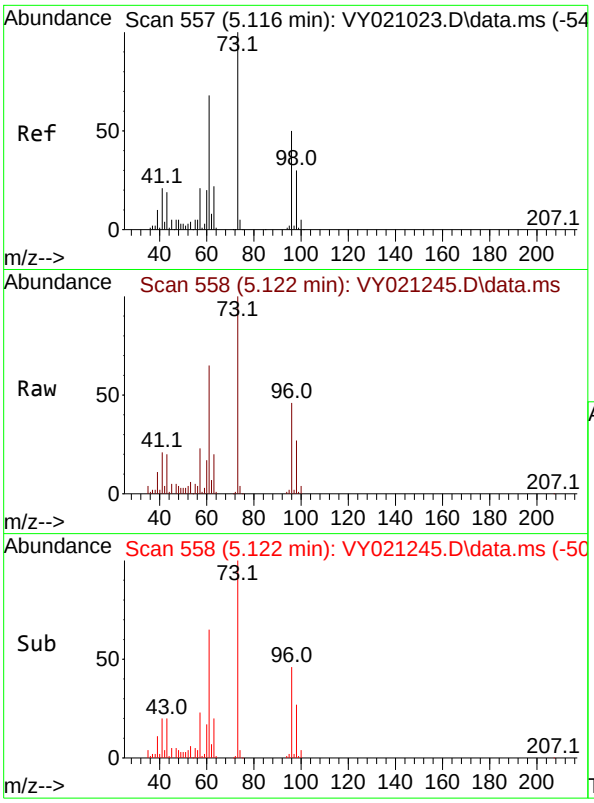


#18
Methyl Acetate
Concen: 66.203 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 61425

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.8	29.6



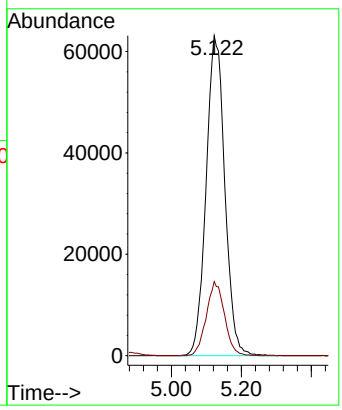


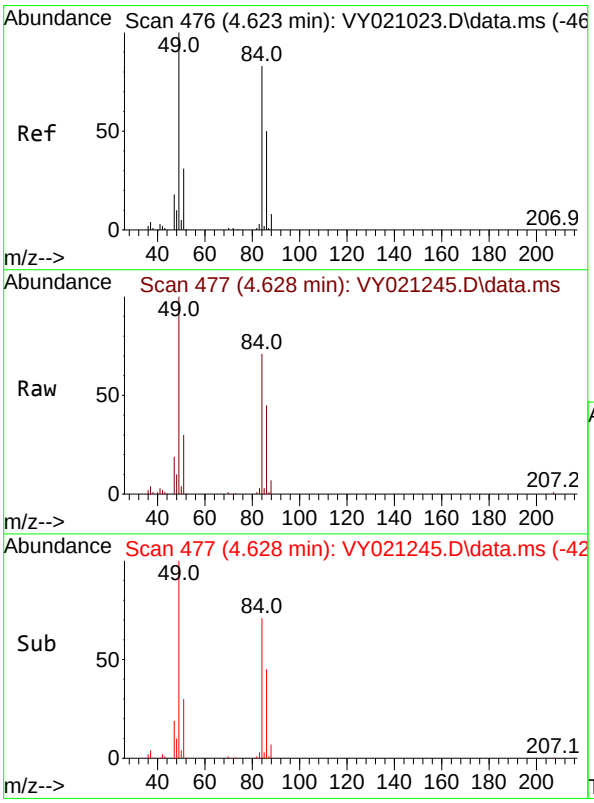
#19
Methyl tert-butyl Ether
Concen: 58.736 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 234150

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5

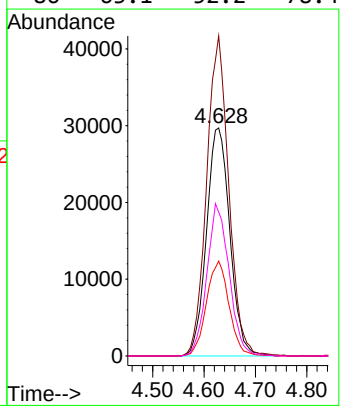


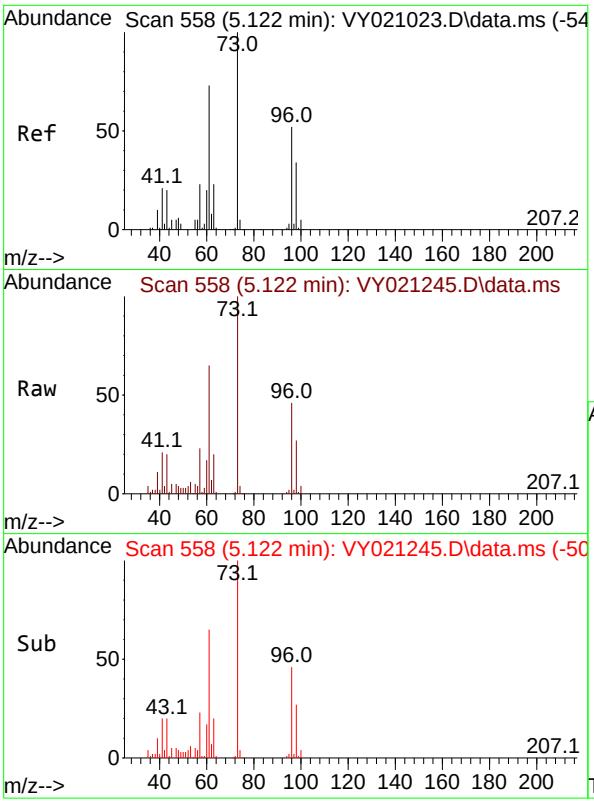


#20
Methylene Chloride
Concen: 57.169 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 84 Resp: 93932

Ion	Ratio	Lower	Upper
84	100		
49	140.1	95.2	142.8
51	41.6	29.9	44.9
86	63.1	52.2	78.4



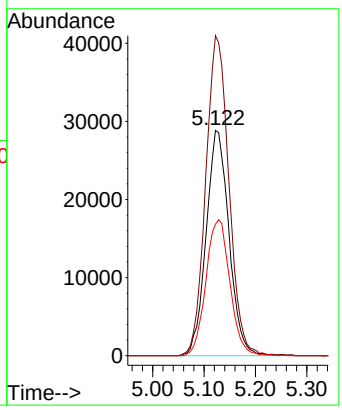


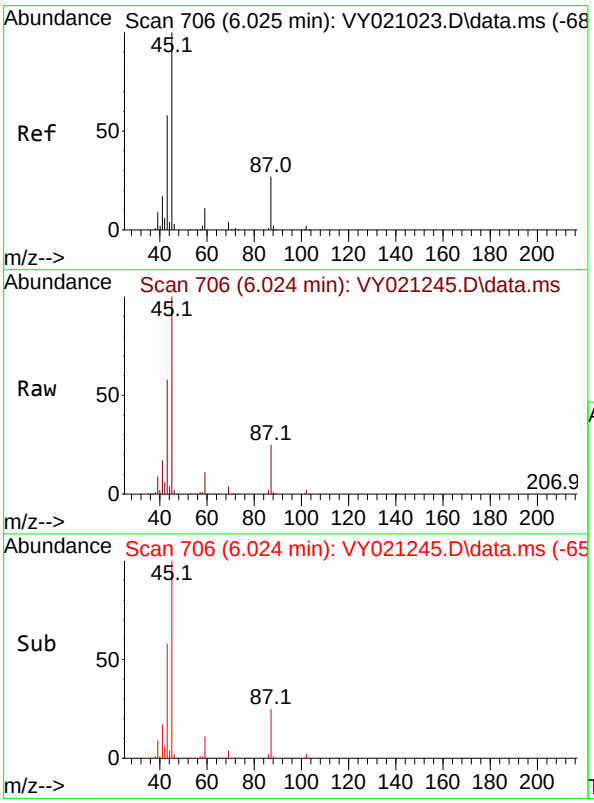
#21
trans-1,2-Dichloroethene
Concen: 51.495 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 89402

Ion	Ratio	Lower	Upper
96	100		
61	142.0	104.6	156.8
98	58.4	50.9	76.3

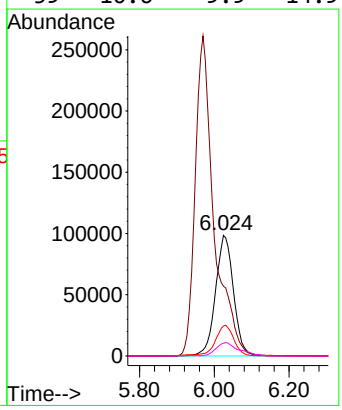


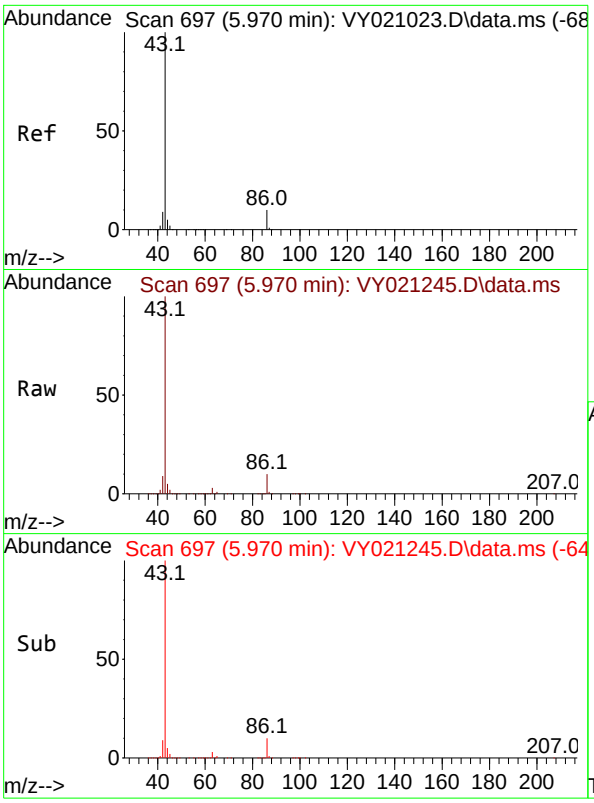


#22
Diisopropyl ether
Concen: 60.006 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 45 Resp: 328775

Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.8	70.2
87	24.8	22.2	33.2
59	10.6	9.9	14.9



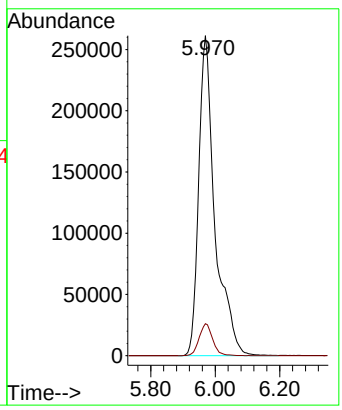


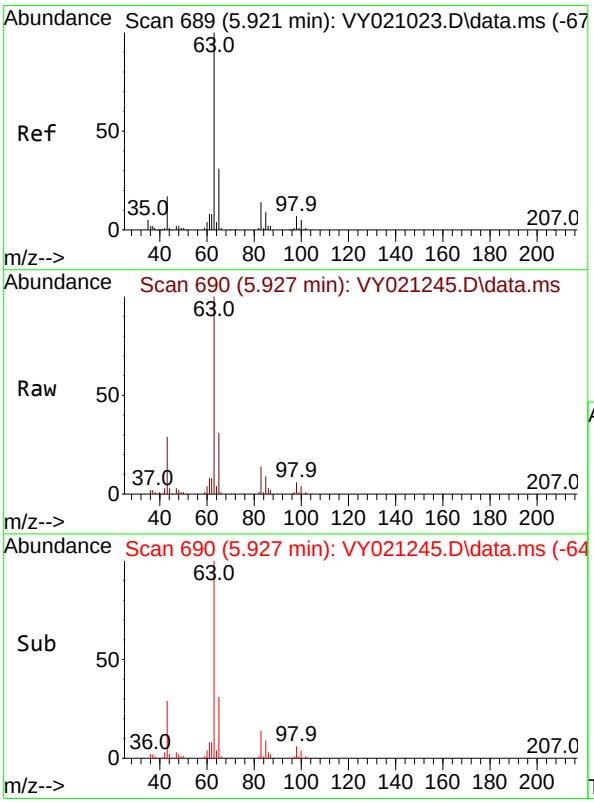
#23
Vinyl Acetate
Concen: 298.467 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 911621

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.6	13.0

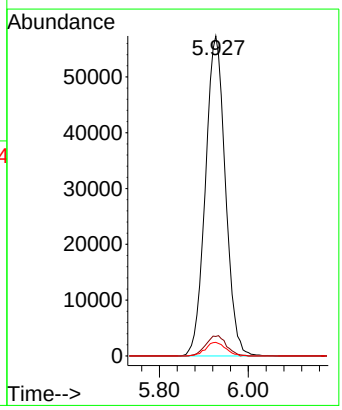


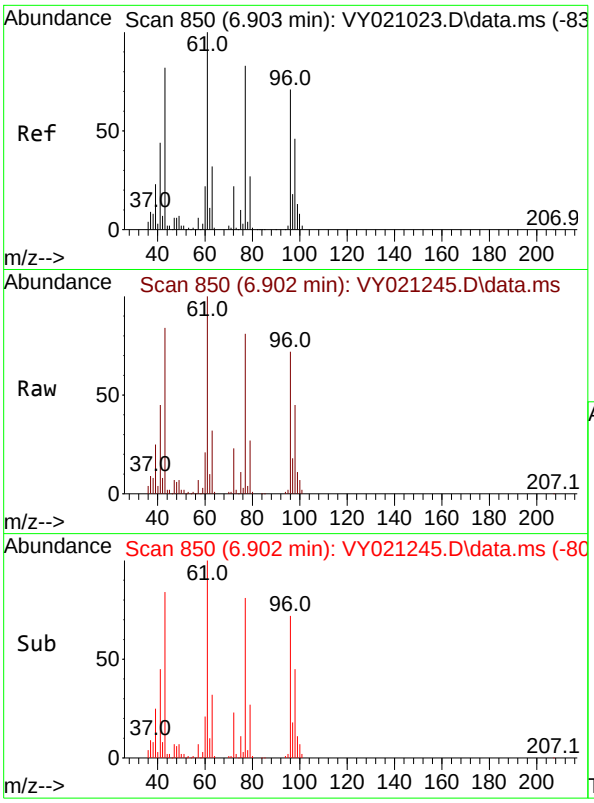


#24
1,1-Dichloroethane
Concen: 55.736 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 178918

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.4
100	4.3	2.1	6.2



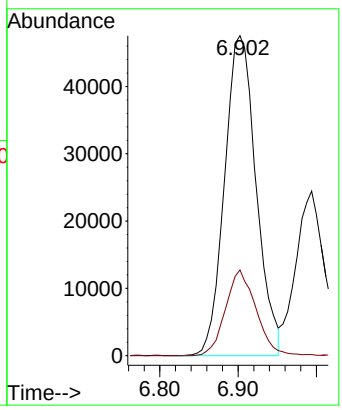


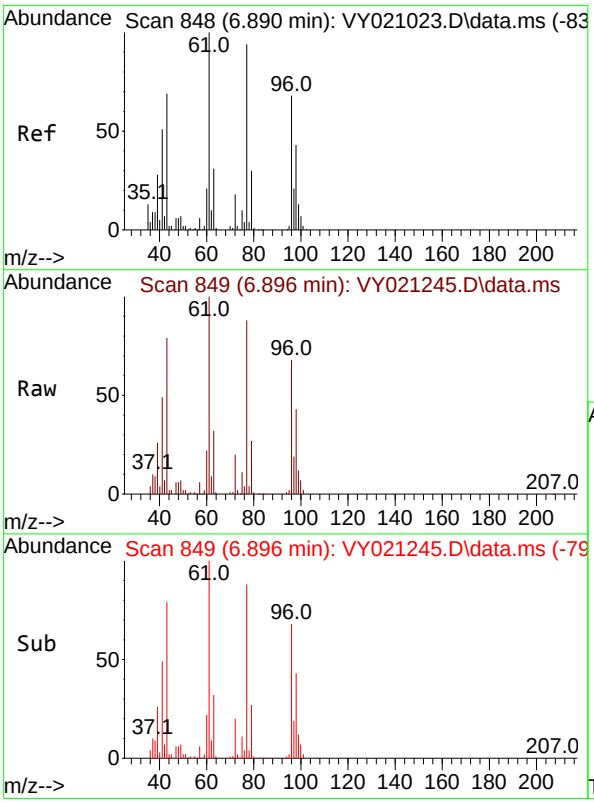
#25
2-Butanone
Concen: 307.203 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 133426

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

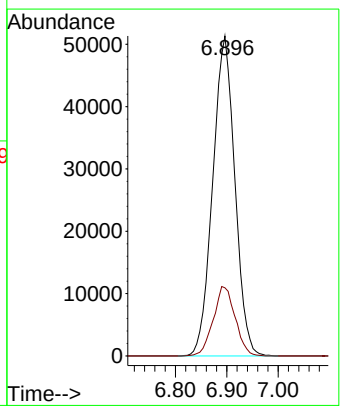


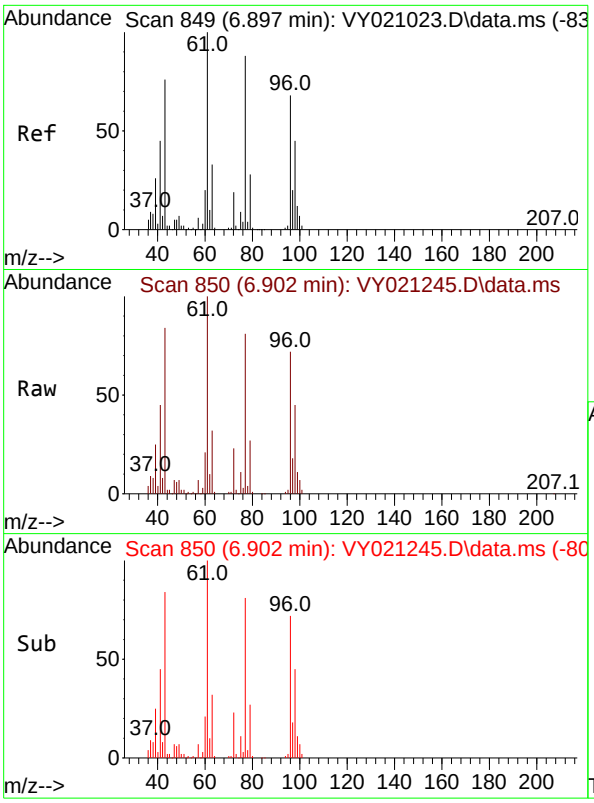


#26
2,2-Dichloropropane
Concen: 51.680 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 77 Resp: 153504

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.7	35.0



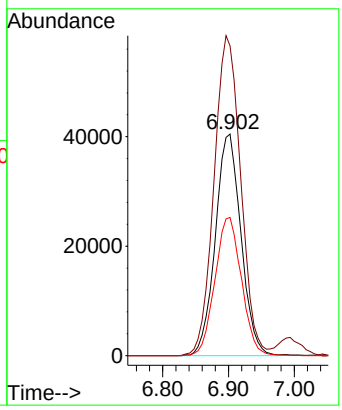


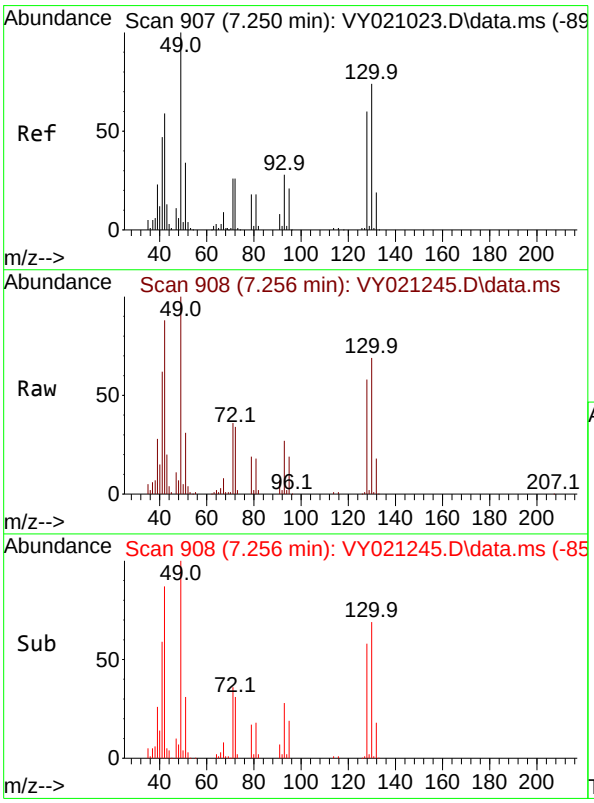
#27
cis-1,2-Dichloroethene
Concen: 55.122 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 110153

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	278.8
98	64.3	0.0	127.0

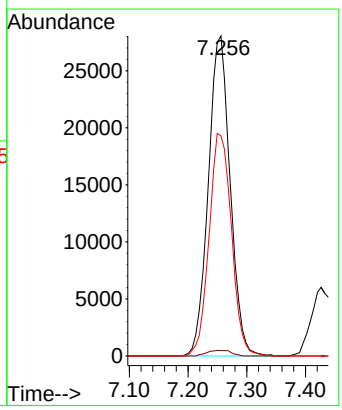


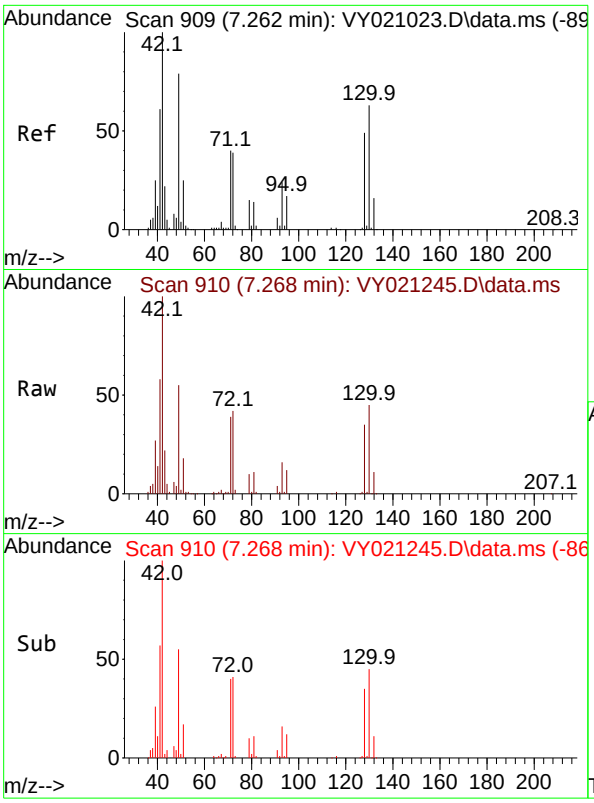


#28
Bromochloromethane
Concen: 57.089 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 49 Resp: 72467

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.1	59.8	89.8



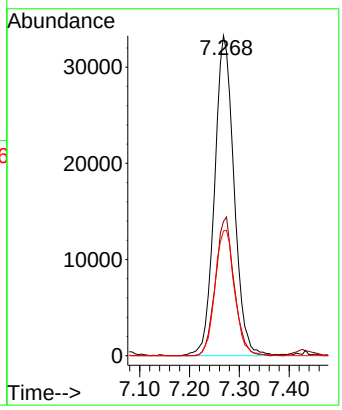


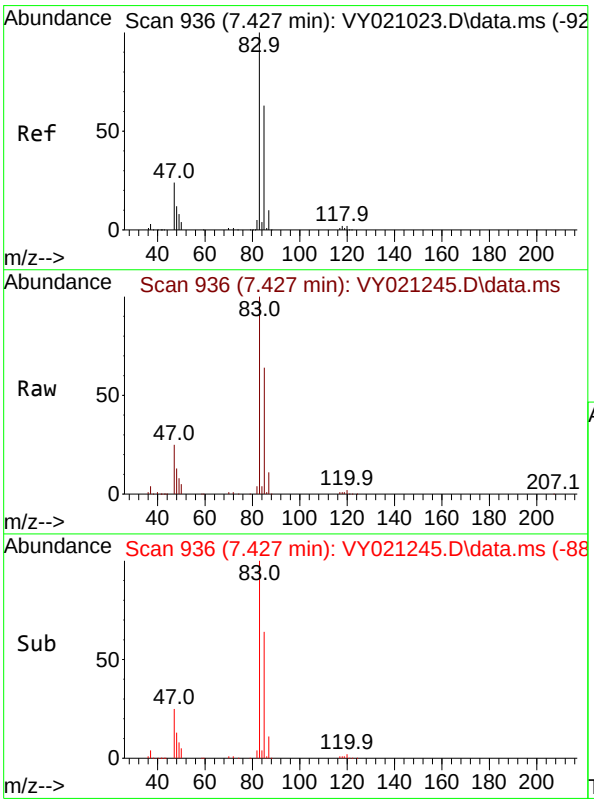
#29
Tetrahydrofuran
Concen: 307.460 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 90360

Ion	Ratio	Lower	Upper
42	100		
72	41.5	36.6	54.8
71	39.4	33.8	50.6

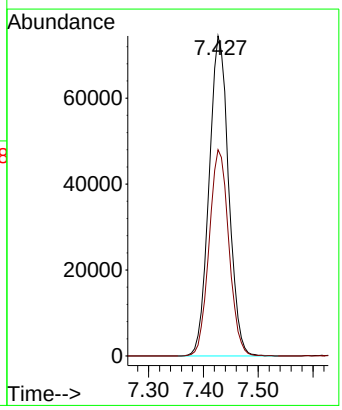


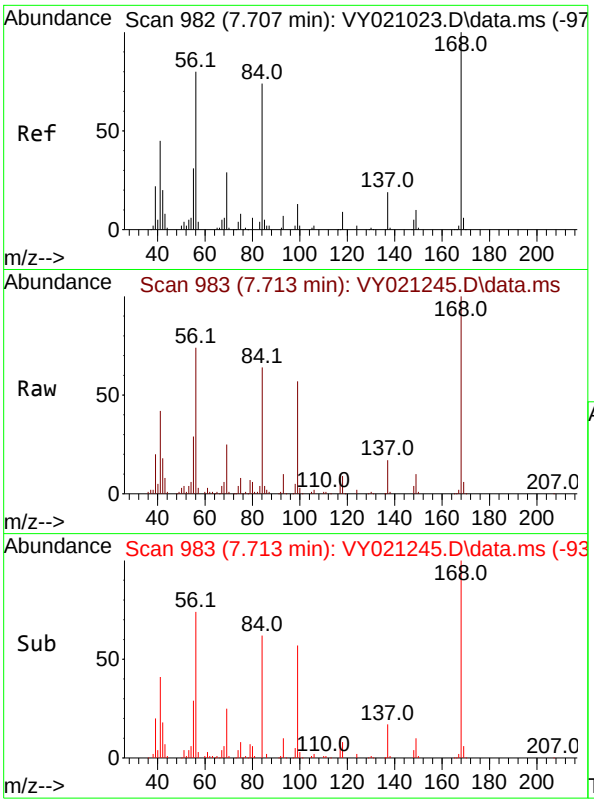


#30
Chloroform
Concen: 55.908 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 184343

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8



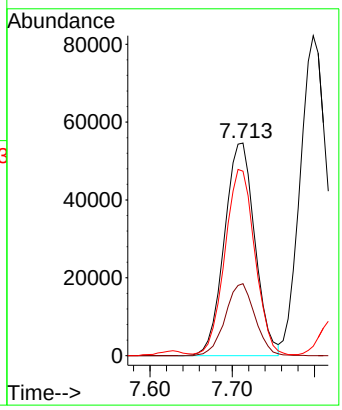


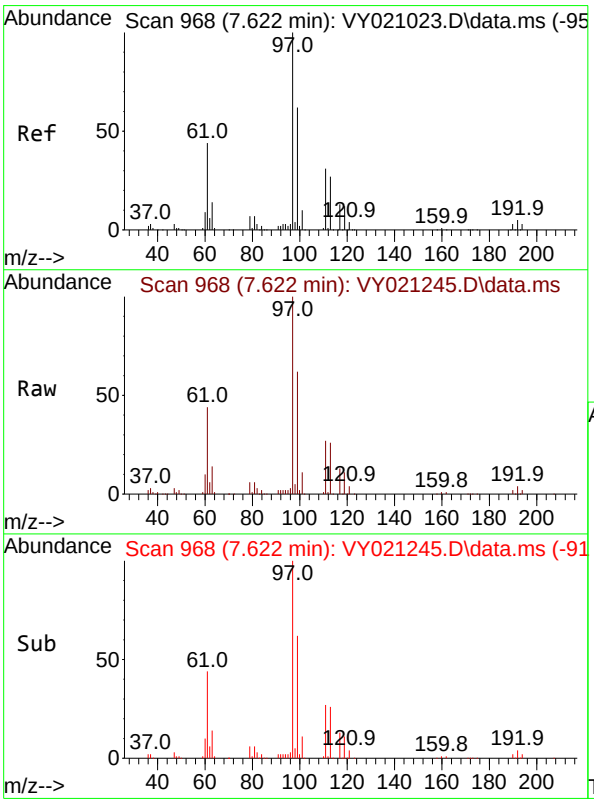
#31
Cyclohexane
Concen: 48.715 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 140823

Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.0	40.6
84	84.8	71.8	107.6

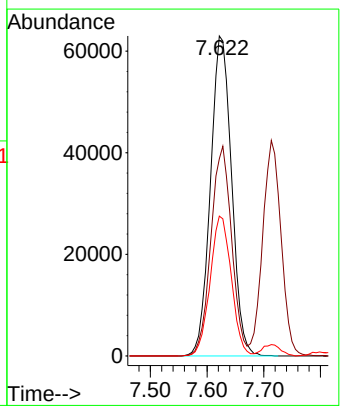


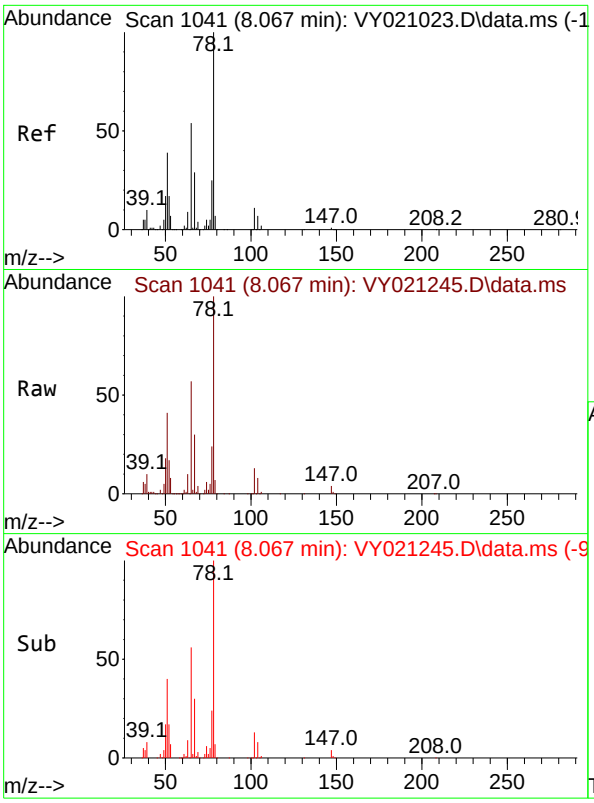


#32
1,1,1-Trichloroethane
Concen: 53.040 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 97 Resp: 162598

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	43.9	35.0	52.6



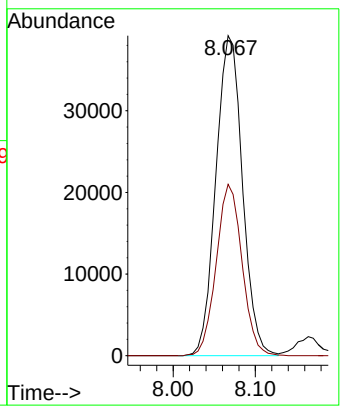


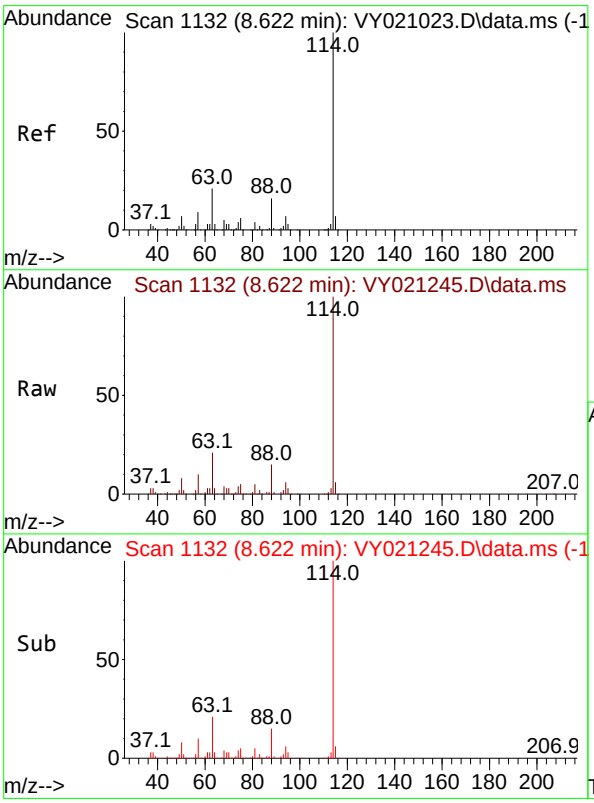
#33
1,2-Dichloroethane-d4
Concen: 51.982 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 88101

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	109.0

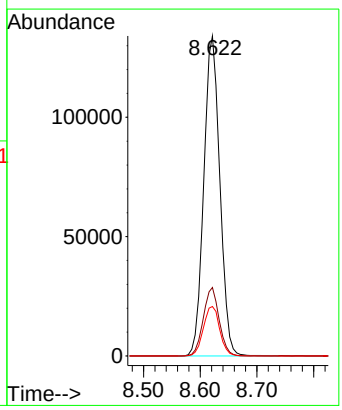


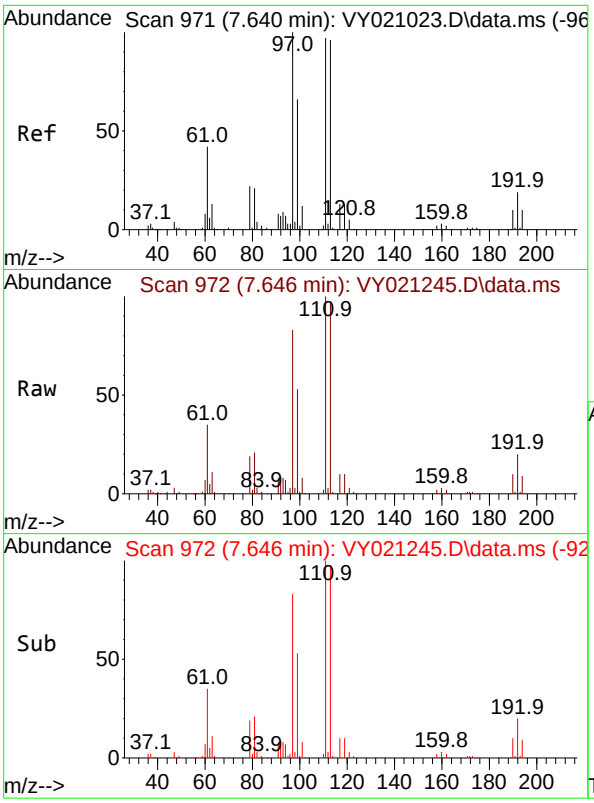


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:114 Resp: 263329

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	37.4
88	15.4	0.0	29.0



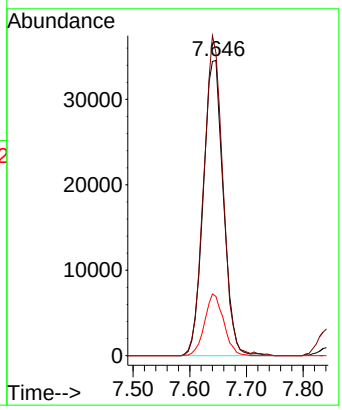


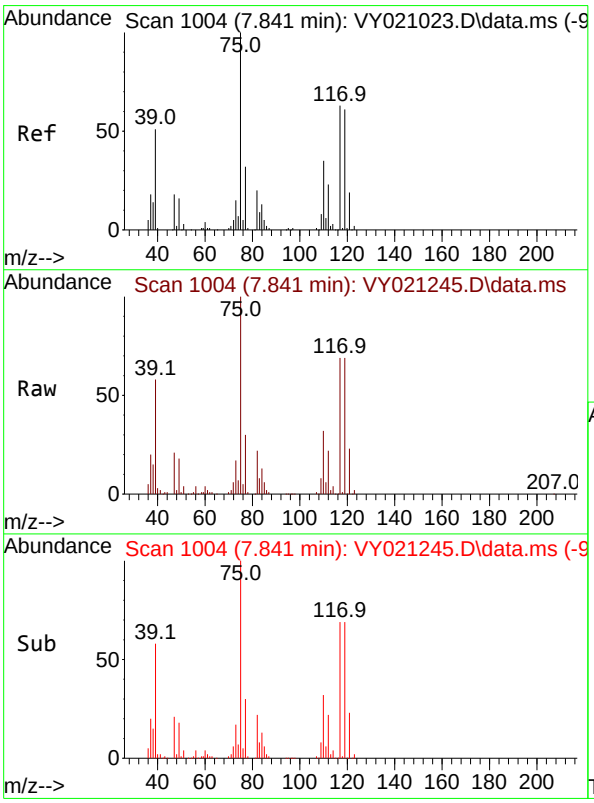
#35
Dibromofluoromethane
Concen: 50.351 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 84971

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.8	125.6
192	19.9	14.5	21.7

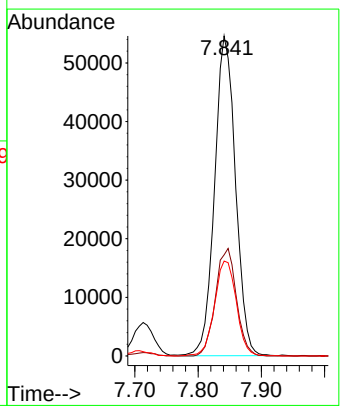


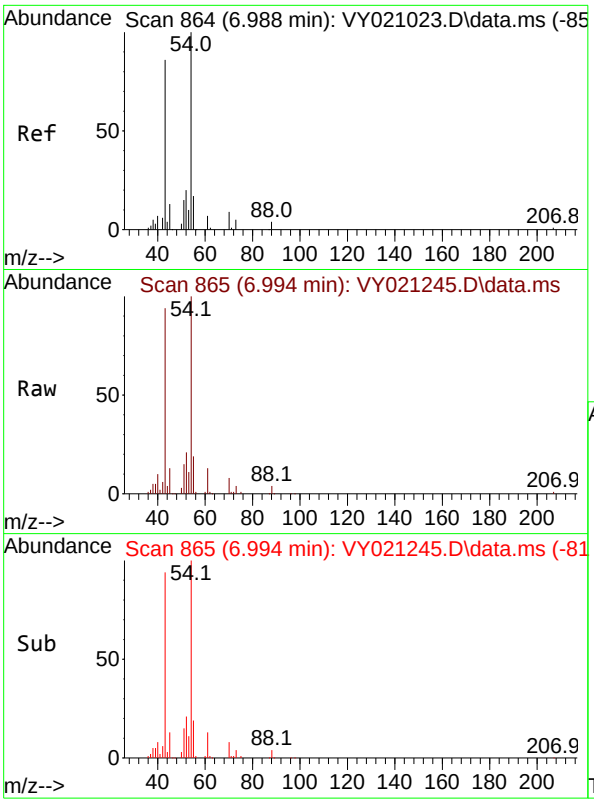


#36
1,1-Dichloropropene
Concen: 50.046 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 125097

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.4	52.3
77	31.0	24.7	37.1



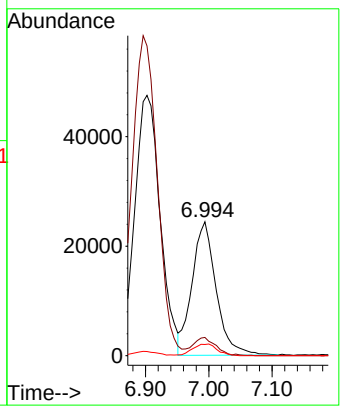


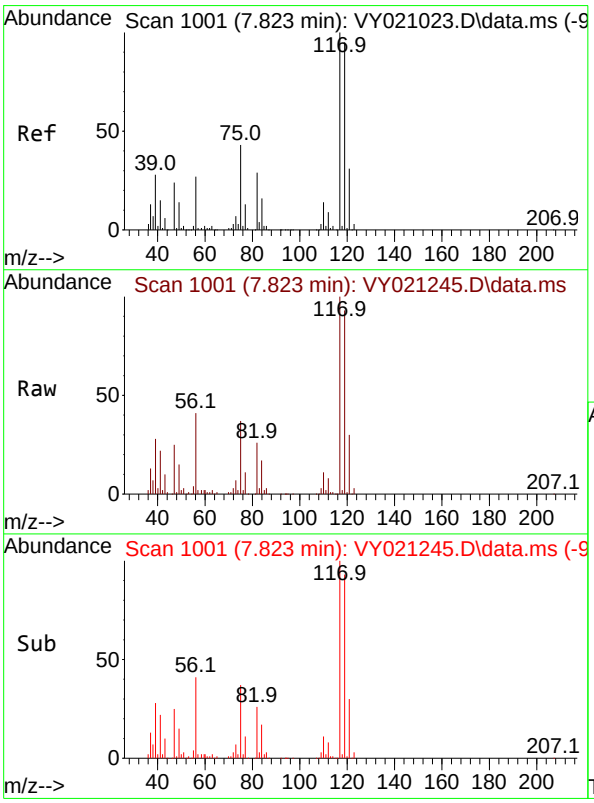
#37
Ethyl Acetate
Concen: 59.007 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 64705

Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.6
70	8.9	8.1	12.1

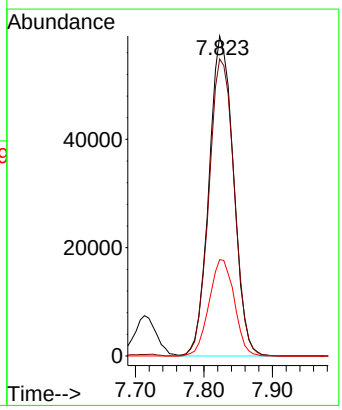


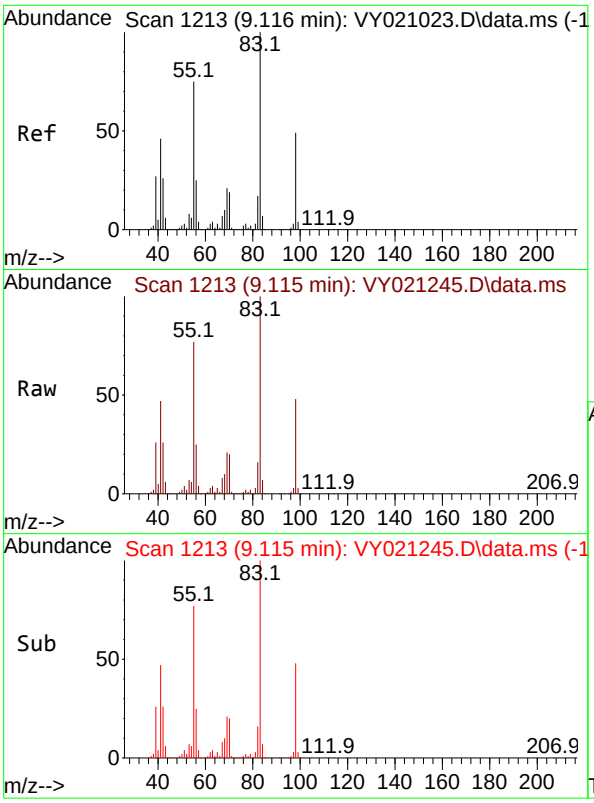


#38
Carbon Tetrachloride
Concen: 50.141 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 146445

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.0	114.0
121	30.1	24.2	36.2



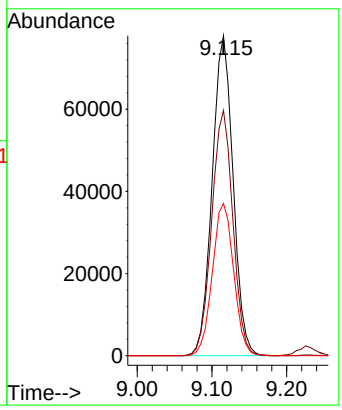


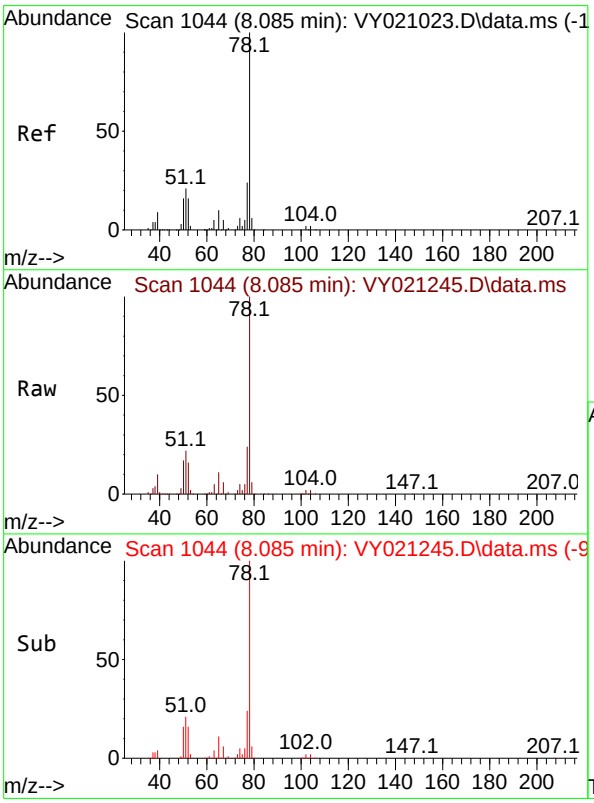
#39
Methylcyclohexane
Concen: 49.660 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 151836

Ion	Ratio	Lower	Upper
83	100		
55	76.7	59.7	89.5
98	47.6	38.0	57.0

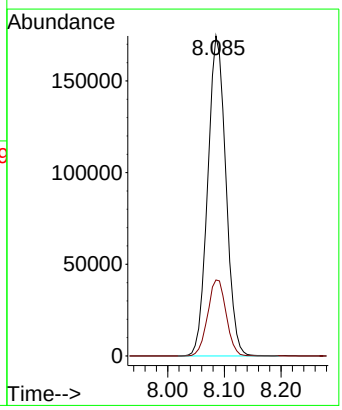


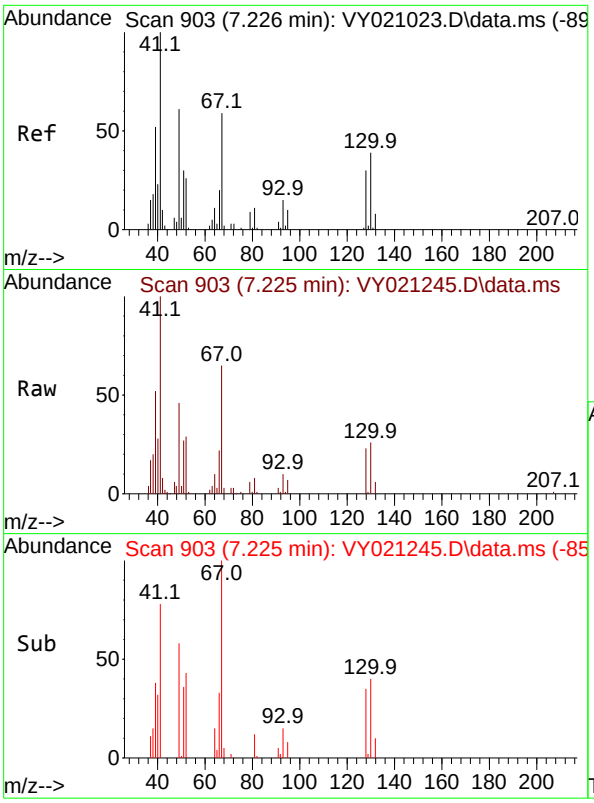


#40
Benzene
Concen: 52.834 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 78 Resp: 387558

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



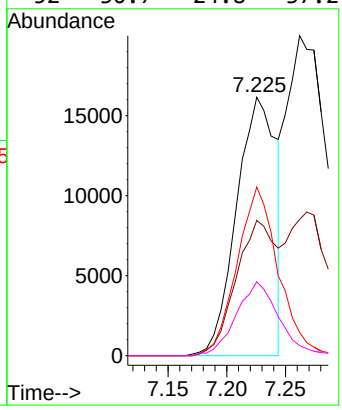


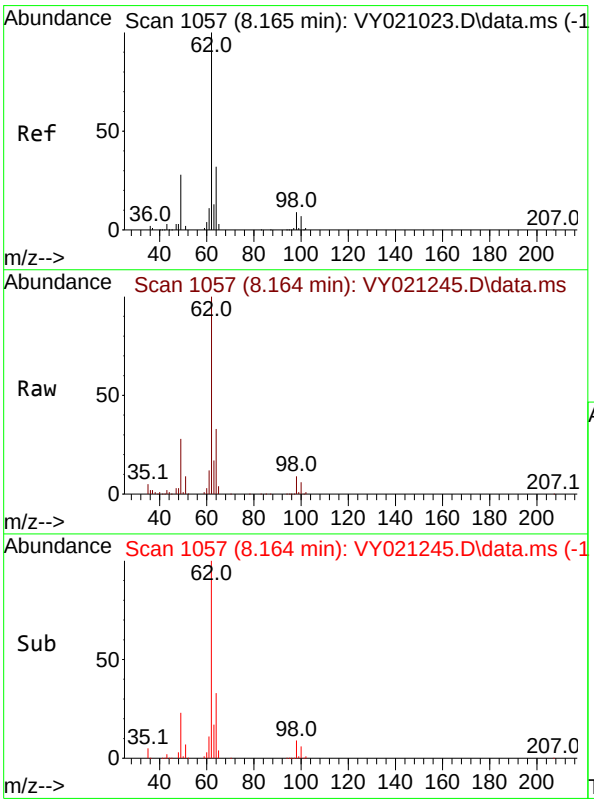
#41
Methacrylonitrile
Concen: 59.955 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 38035

Ion	Ratio	Lower	Upper
41	100		
39	52.4	41.9	62.9
67	68.3	59.8	89.6
52	30.7	24.8	37.2

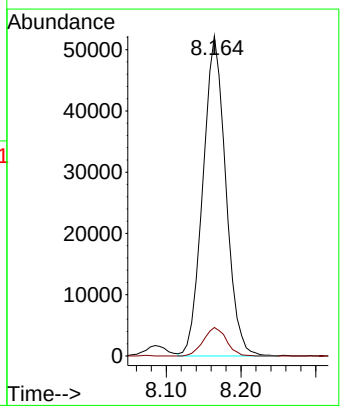


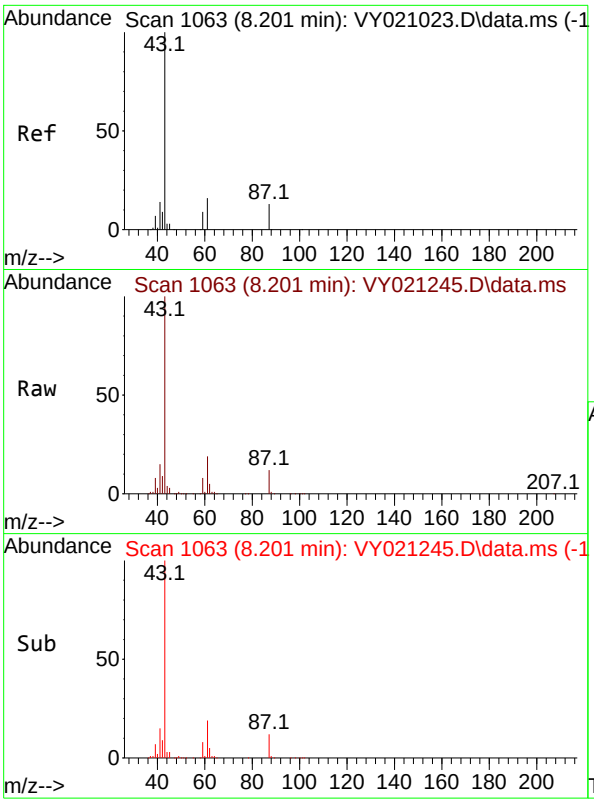


#42
1,2-Dichloroethane
Concen: 54.630 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 111164

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	20.2



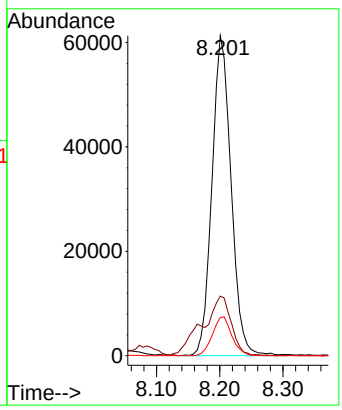


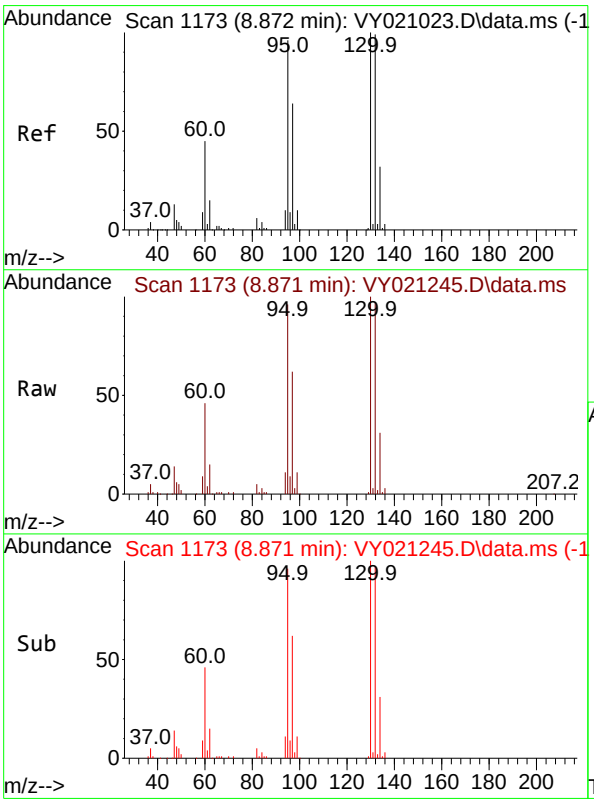
#43
Isopropyl Acetate
Concen: 59.061 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 128687

Ion	Ratio	Lower	Upper
43	100		
61	28.2	24.8	37.2
87	12.3	10.7	16.1

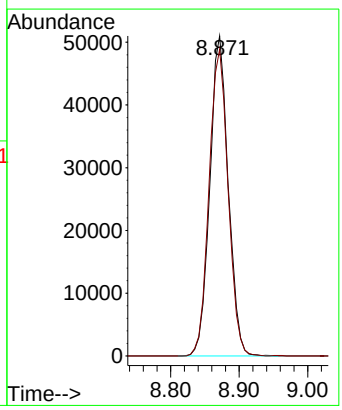


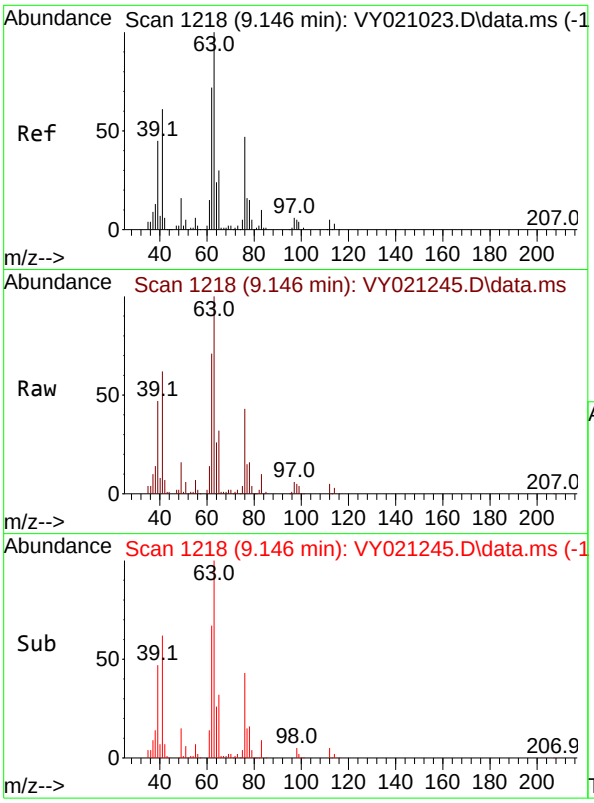


#44
Trichloroethene
Concen: 50.349 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:130 Resp: 95421

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	203.8



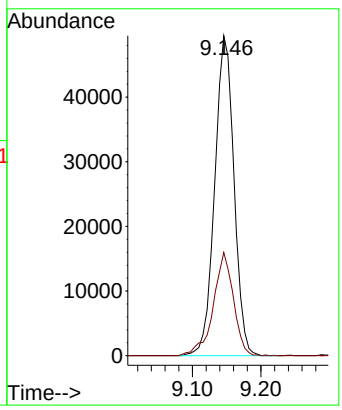


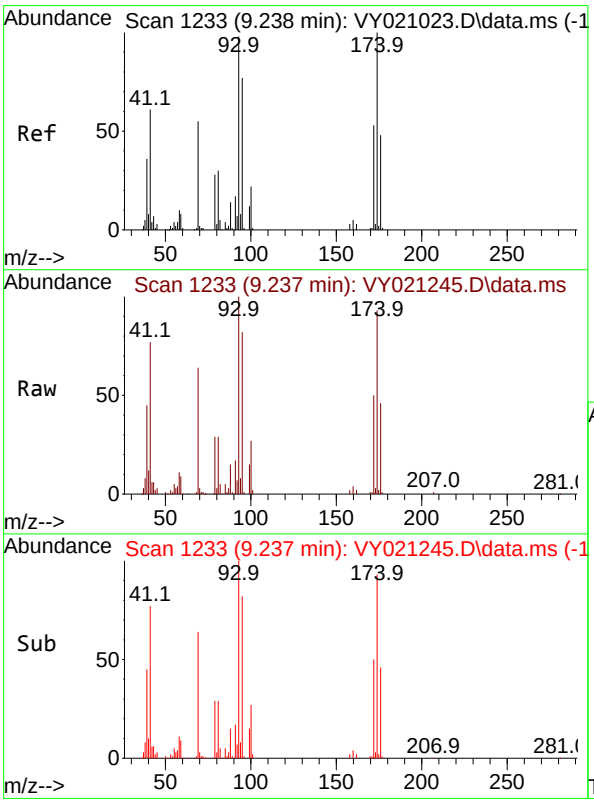
#45
1,2-Dichloropropane
Concen: 55.433 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 96514

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	36.8

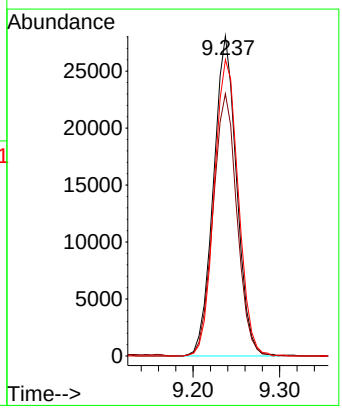


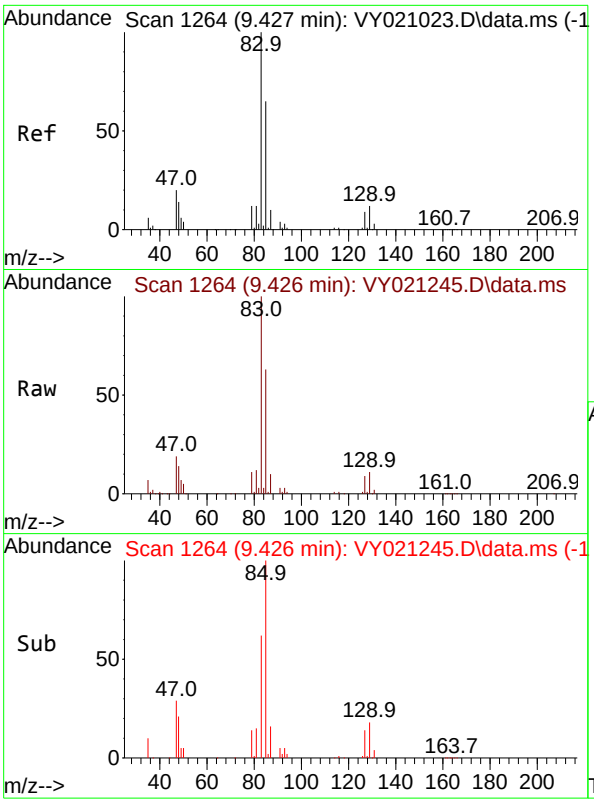


#46
Dibromomethane
Concen: 54.018 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 93 Resp: 52073

Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.6	99.8
174	96.5	73.8	110.6



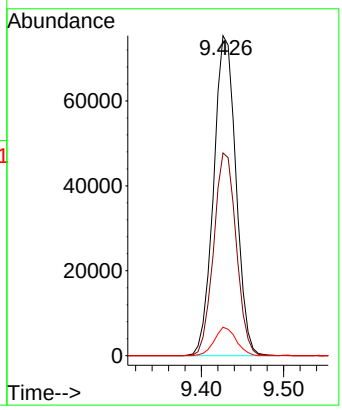


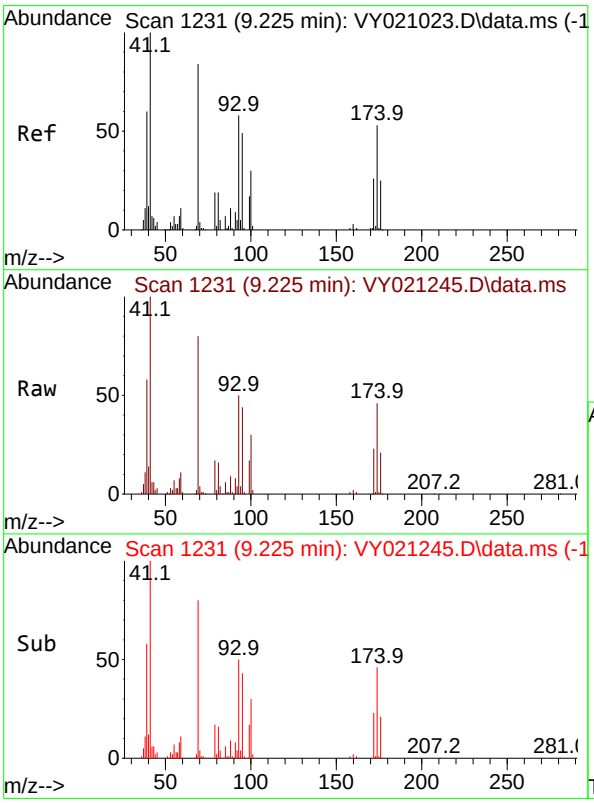
#47
Bromodichloromethane
Concen: 55.072 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 142381

Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.2	79.8
127	8.9	6.4	9.6

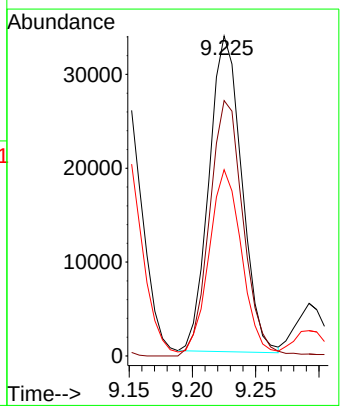


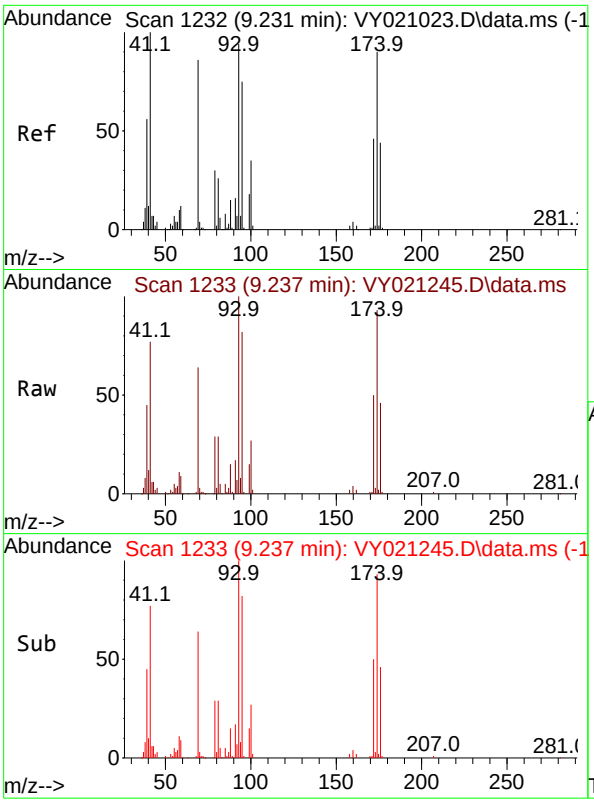


#48
Methyl methacrylate
Concen: 60.916 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 60459

Ion	Ratio	Lower	Upper
41	100		
69	84.0	72.1	108.1
39	56.6	42.8	64.2



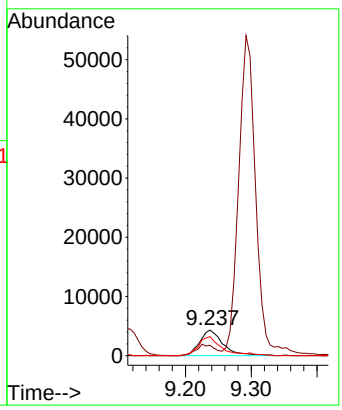


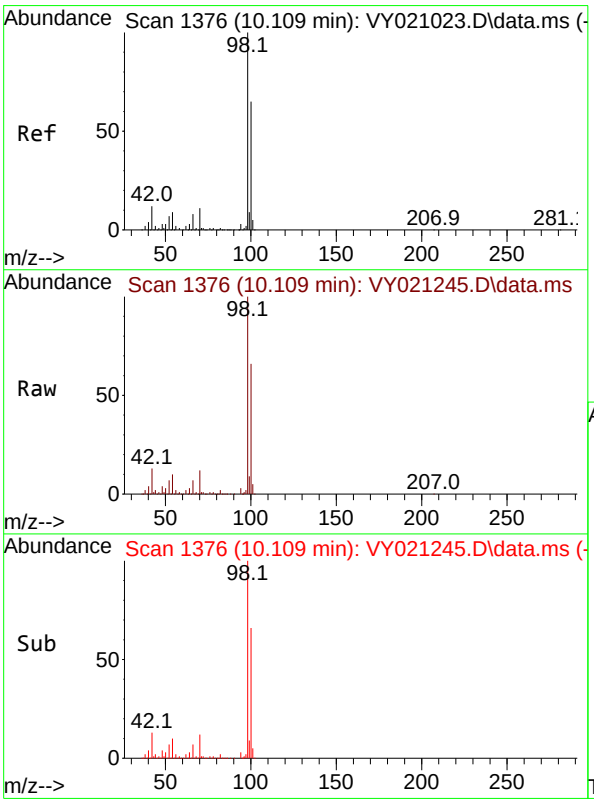
#49
1,4-Dioxane
Concen: 1192.209 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 10699

Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.2	42.4
58	75.6	52.2	78.2

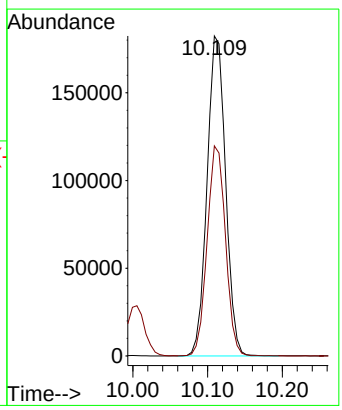


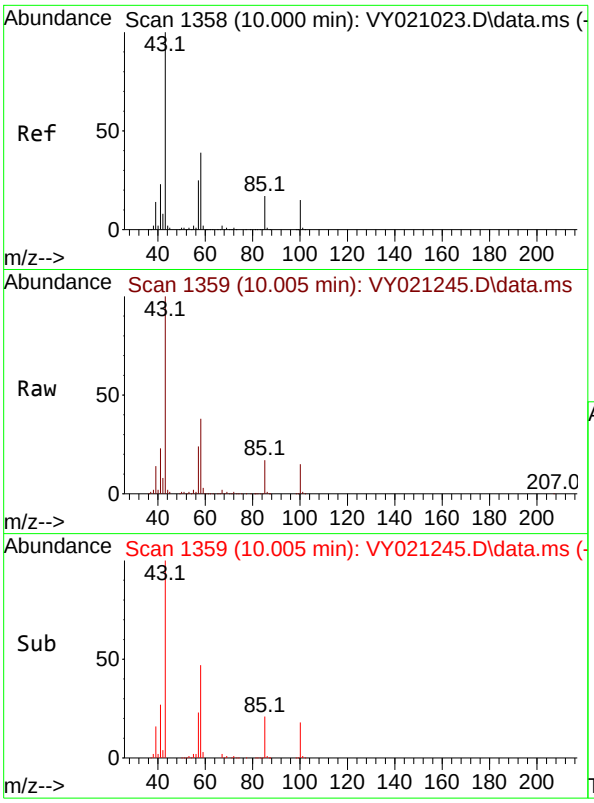


#50
Toluene-d8
Concen: 48.967 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 98 Resp: 314603

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5



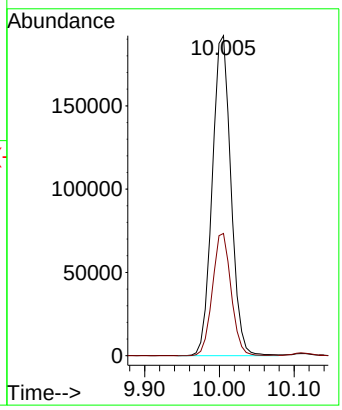


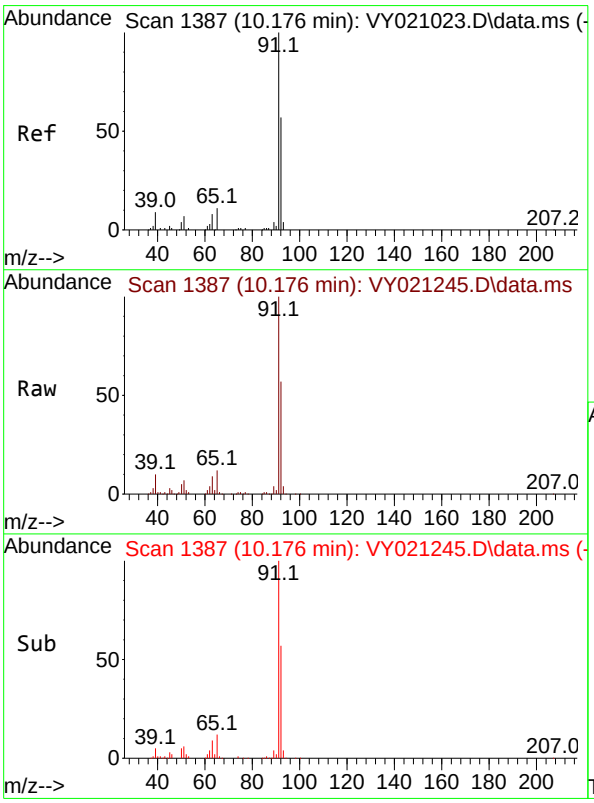
#51
4-Methyl-2-Pentanone
Concen: 305.302 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 334517

Ion	Ratio	Lower	Upper
43	100		
58	38.2	32.2	48.2

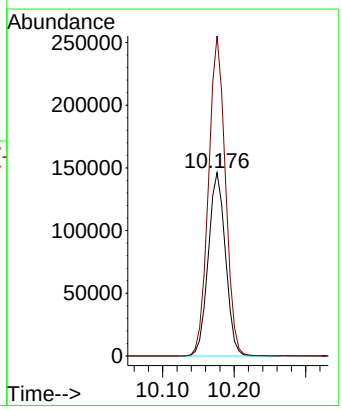


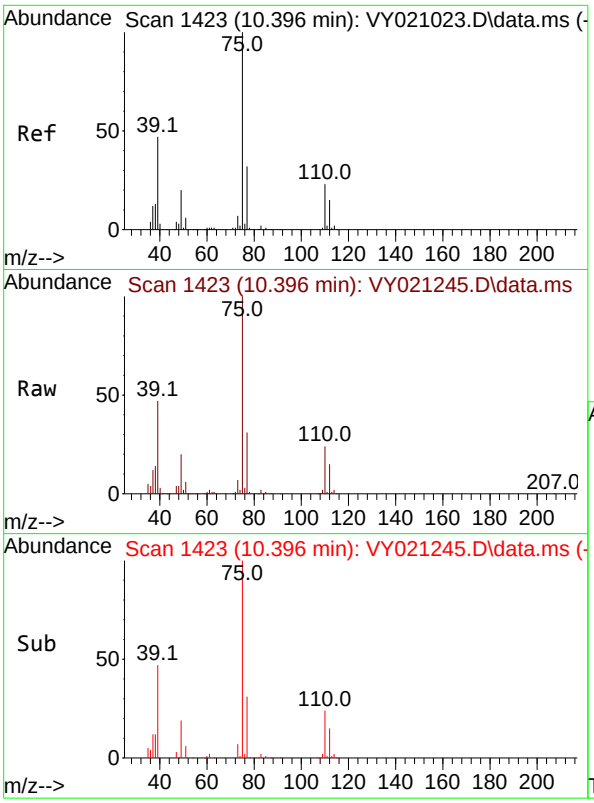


#52
Toluene
Concen: 52.845 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 92 Resp: 243403

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.6	206.4



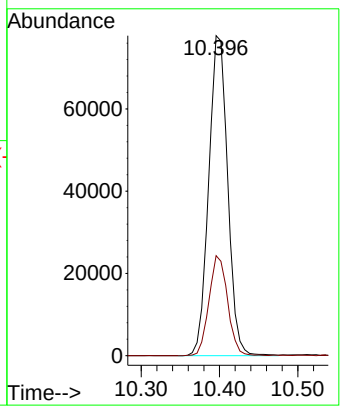


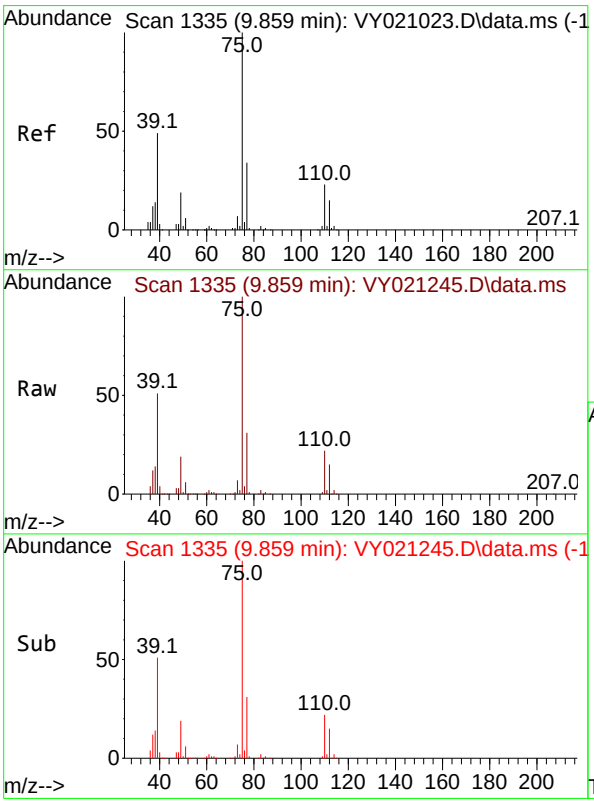
#53
t-1,3-Dichloropropene
Concen: 56.333 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 130776

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8

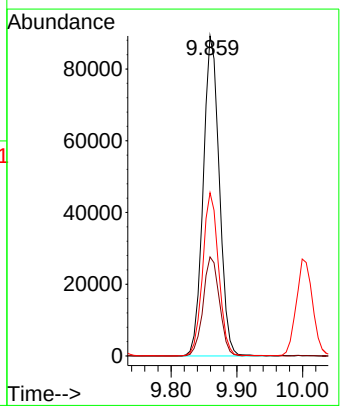


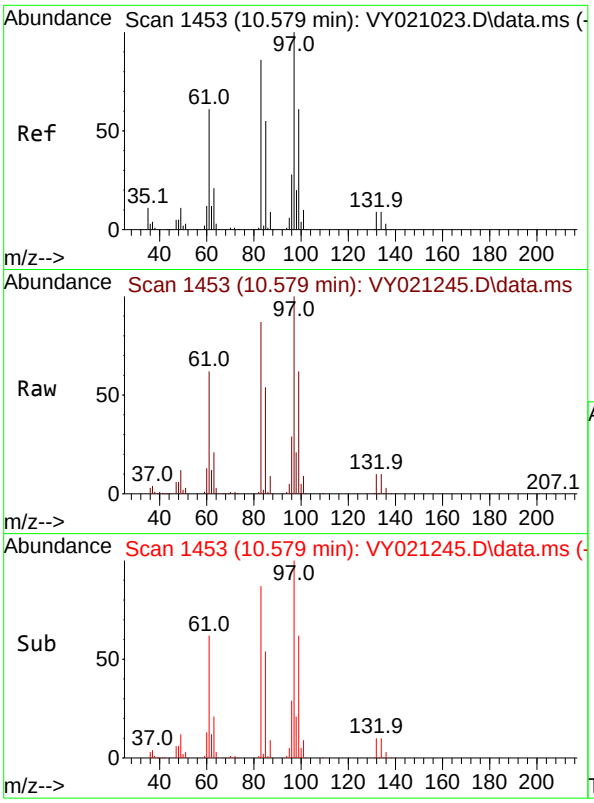


#54
cis-1,3-Dichloropropene
Concen: 55.321 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 152060

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	50.9	33.6	50.4#



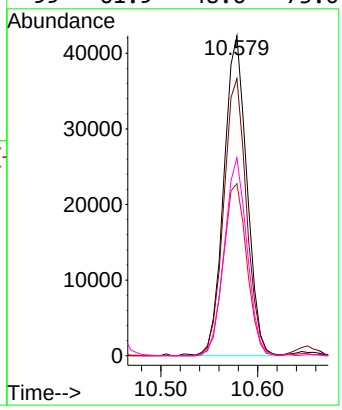


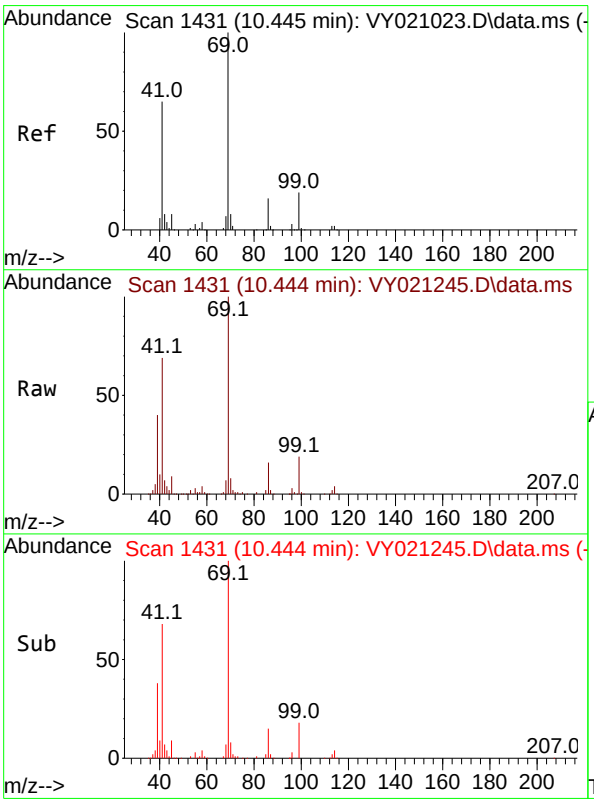
#55
1,1,2-Trichloroethane
Concen: 55.990 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 69894

Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.4	104.2
85	53.8	43.9	65.9
99	61.9	48.6	73.0

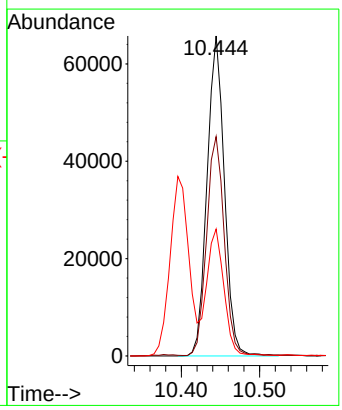


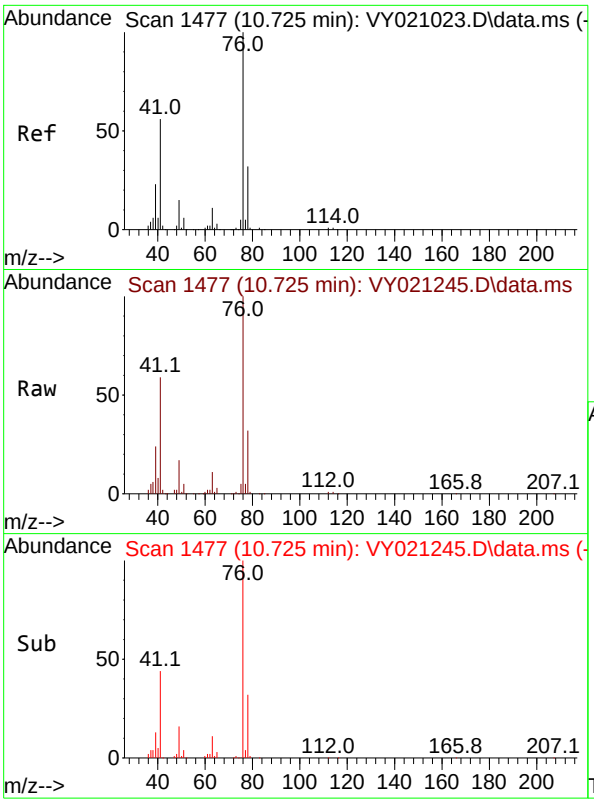


#56
Ethyl methacrylate
Concen: 60.418 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 69 Resp: 100897

Ion	Ratio	Lower	Upper
69	100		
41	70.9	49.2	73.8
39	39.5	26.8	40.2



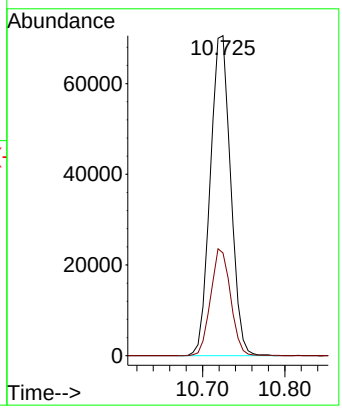


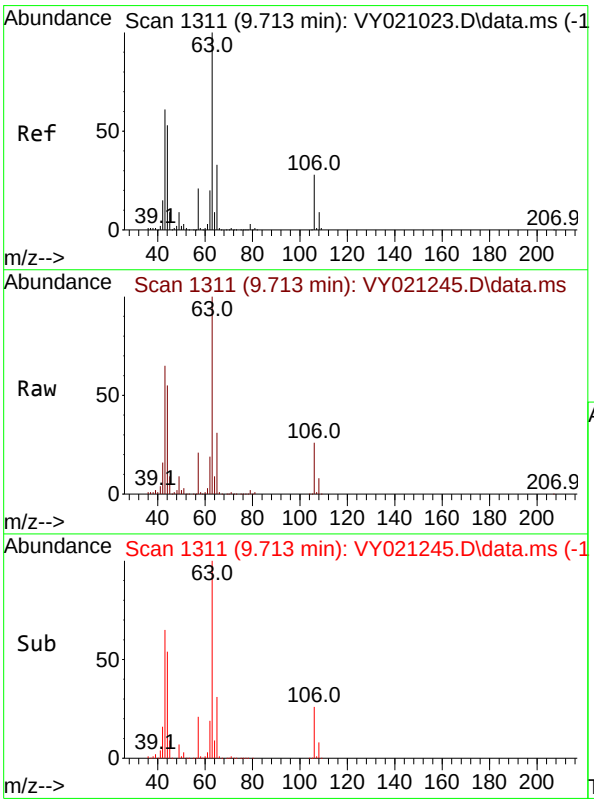
#57
1,3-Dichloropropane
Concen: 56.213 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 121459

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

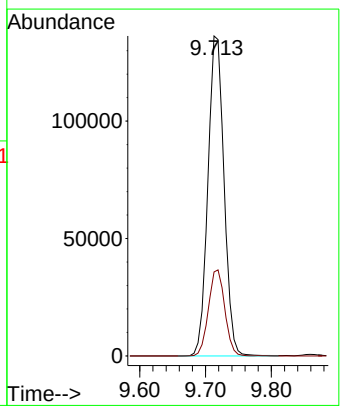


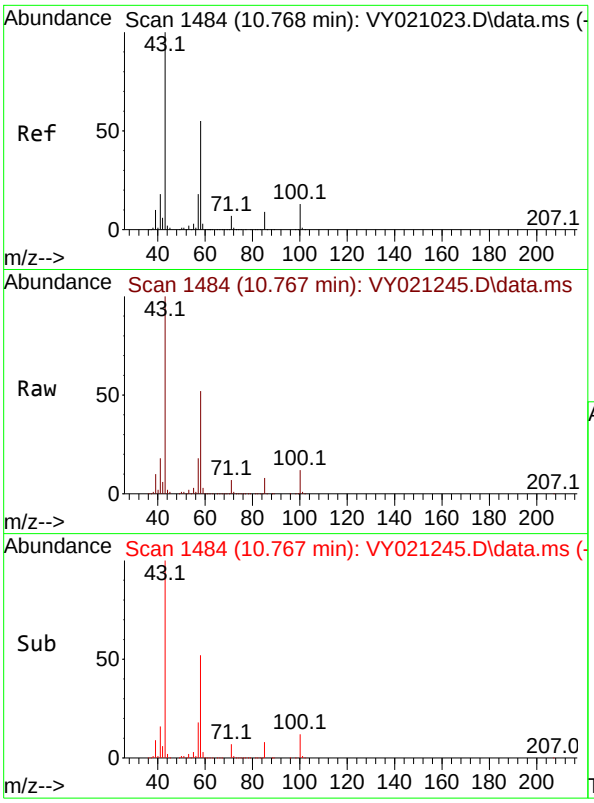


#58
2-Chloroethyl Vinyl ether
Concen: 292.814 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 232635

Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.4	33.6



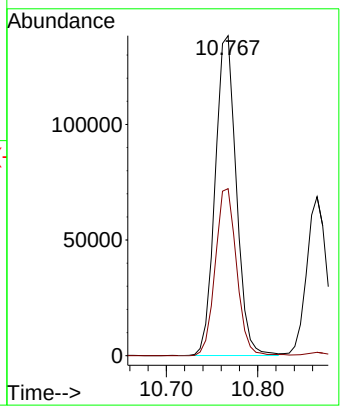


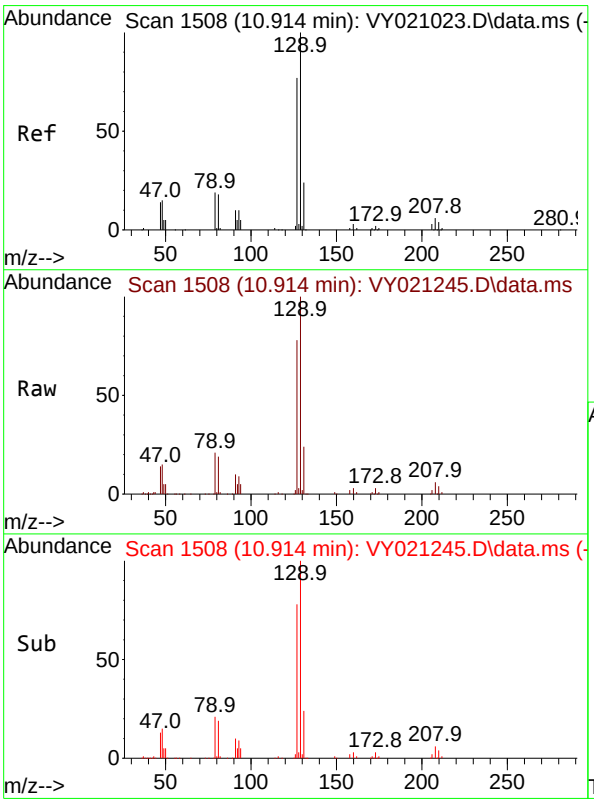
#59
2-Hexanone
Concen: 315.458 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 222547

Ion	Ratio	Lower	Upper
43	100		
58	52.7	28.1	84.3

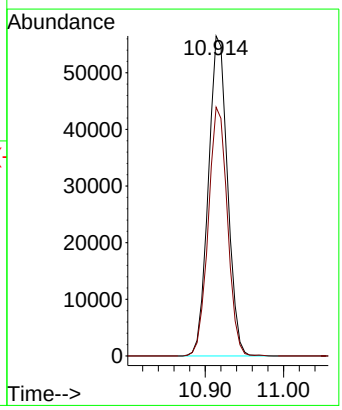


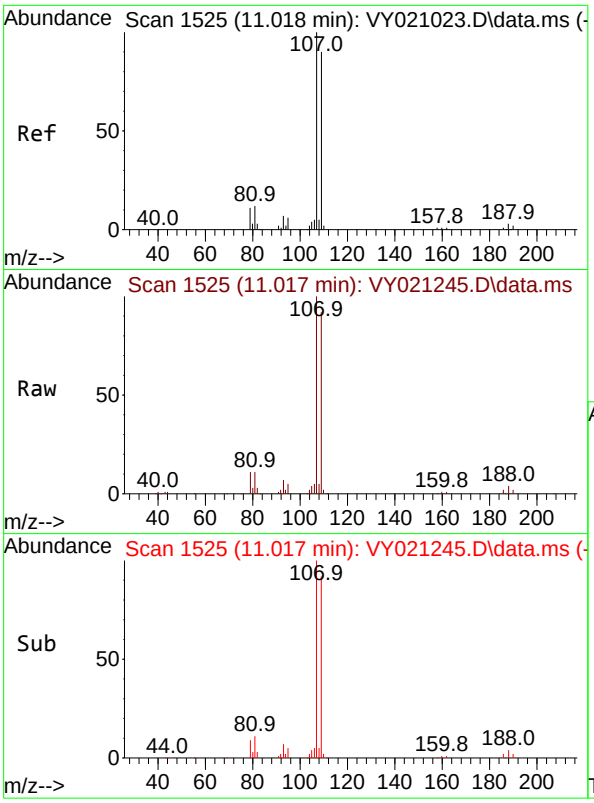


#60
Dibromochloromethane
Concen: 54.651 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:129 Resp: 95808

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.2	117.6



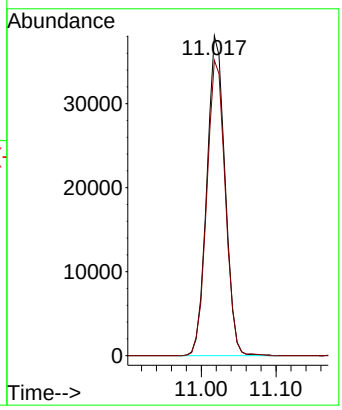


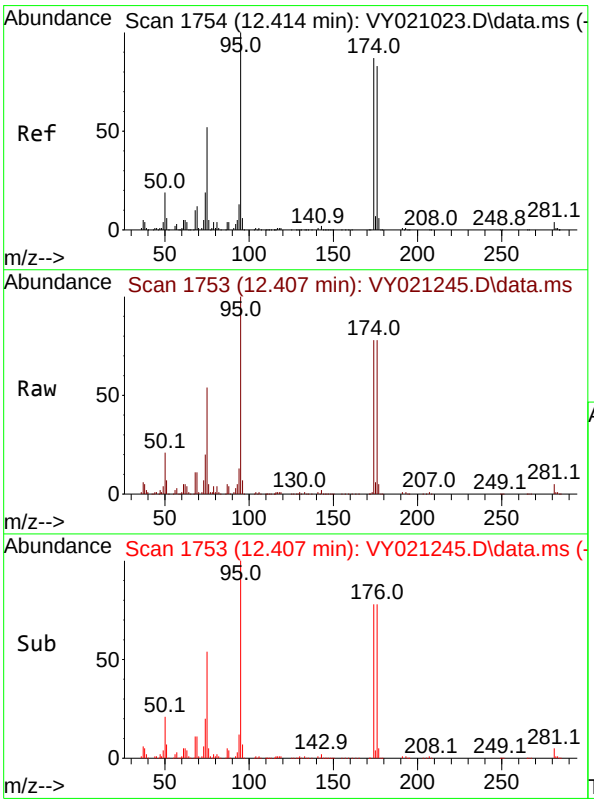
#61
1,2-Dibromoethane
Concen: 54.863 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 64150

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

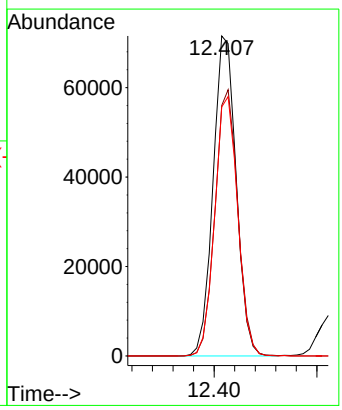


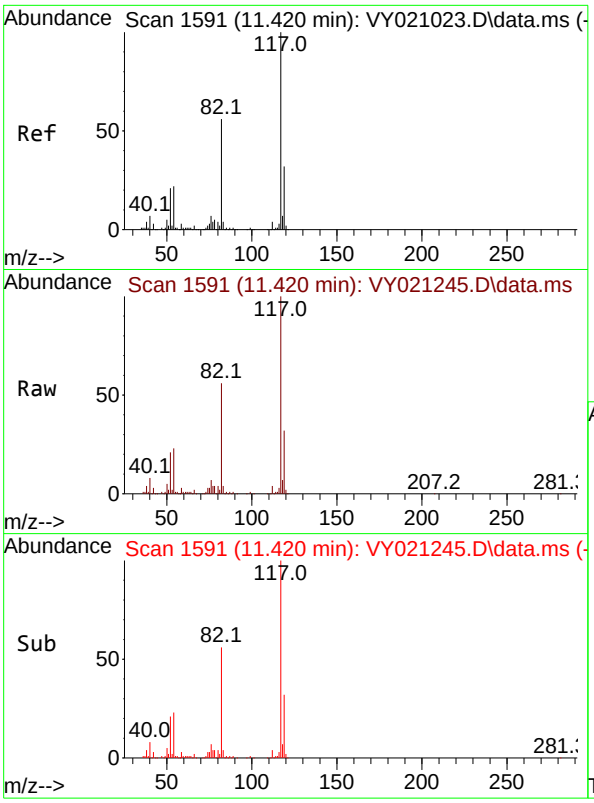


#62
4-Bromofluorobenzene
Concen: 53.035 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 95 Resp: 111317

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	160.0
176	80.7	0.0	151.8



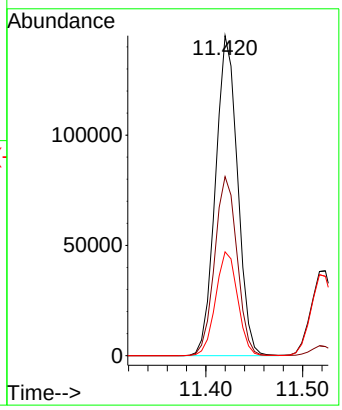


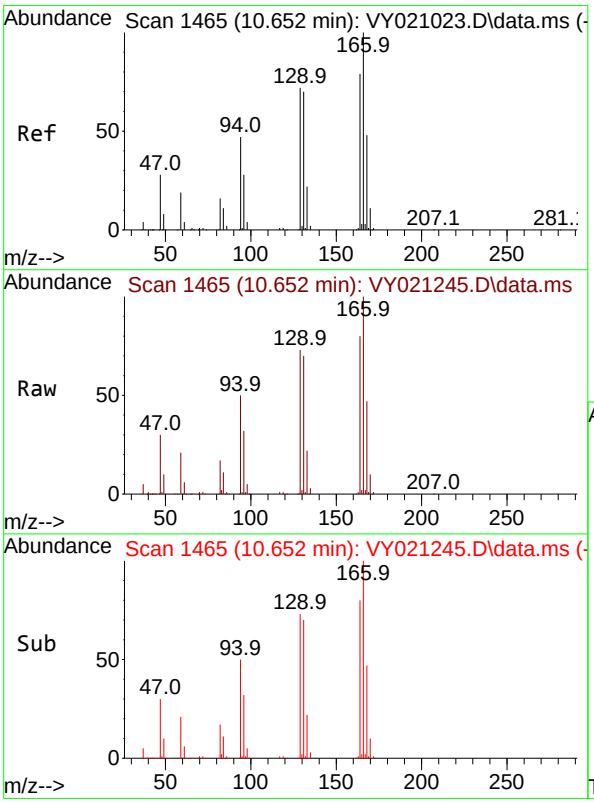
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 229757

Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.8	65.8
119	32.5	26.5	39.7

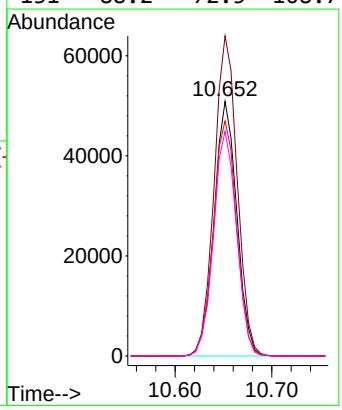


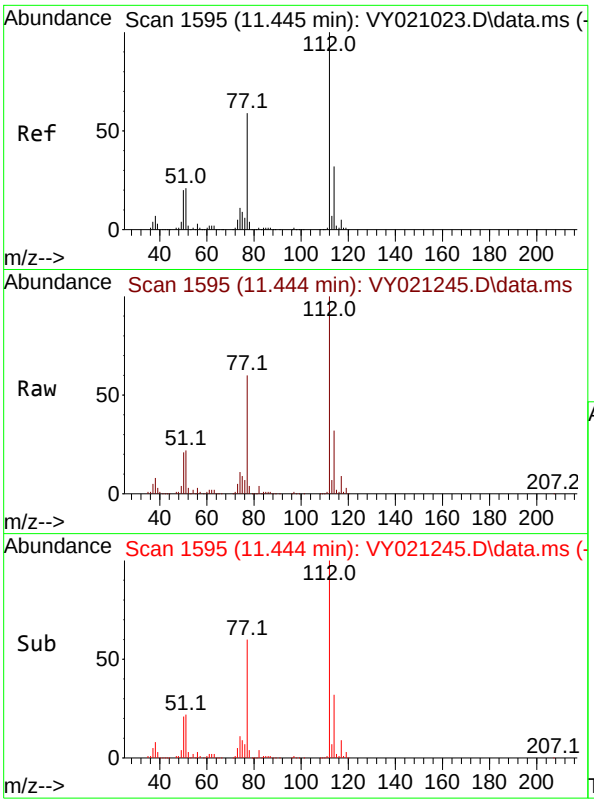


#64
Tetrachloroethene
Concen: 48.585 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:164 Resp: 82866

Ion	Ratio	Lower	Upper
164	100		
166	125.7	98.8	148.2
129	92.3	78.9	118.3
131	88.2	72.5	108.7



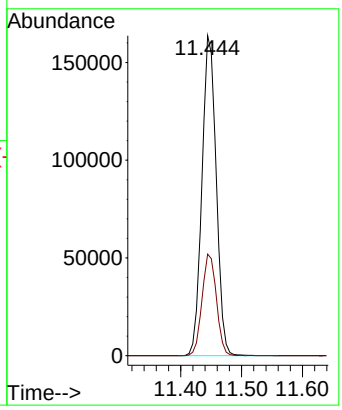


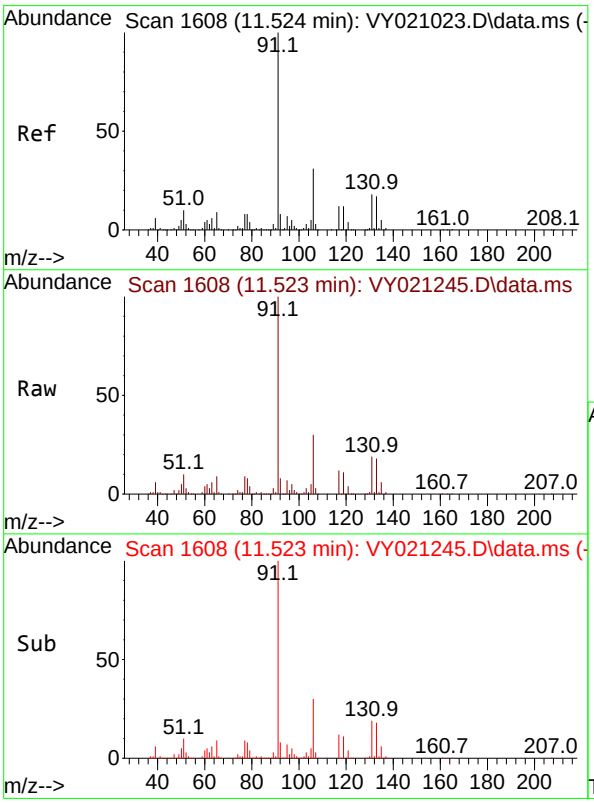
#65
Chlorobenzene
Concen: 52.099 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 266534

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.1	39.1

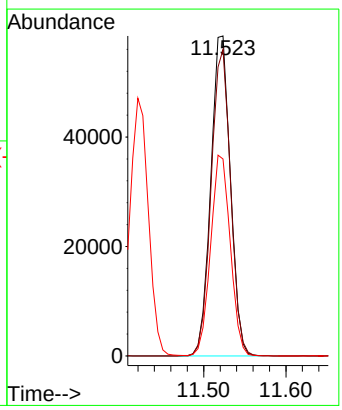


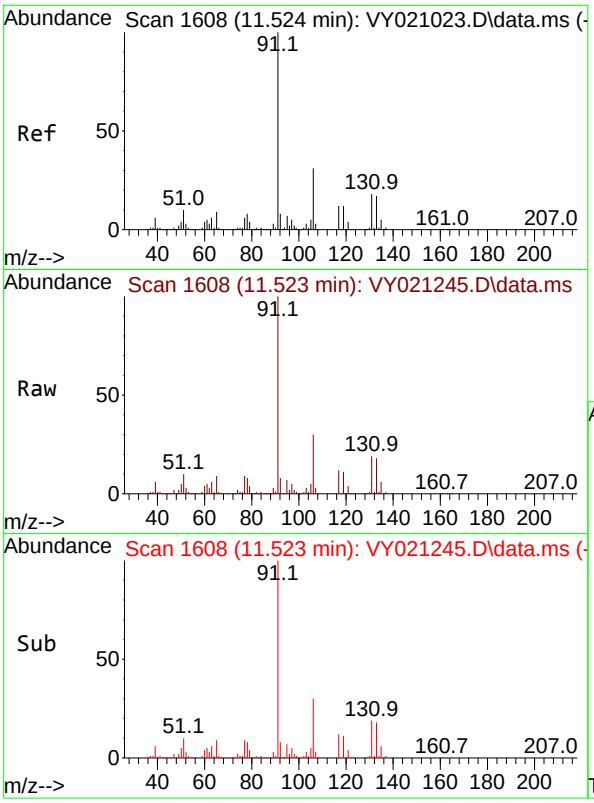


#66
1,1,1,2-Tetrachloroethane
Concen: 53.372 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:131 Resp: 97033

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.0	141.0
119	63.1	33.3	99.9



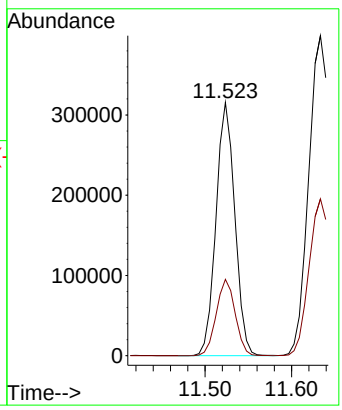


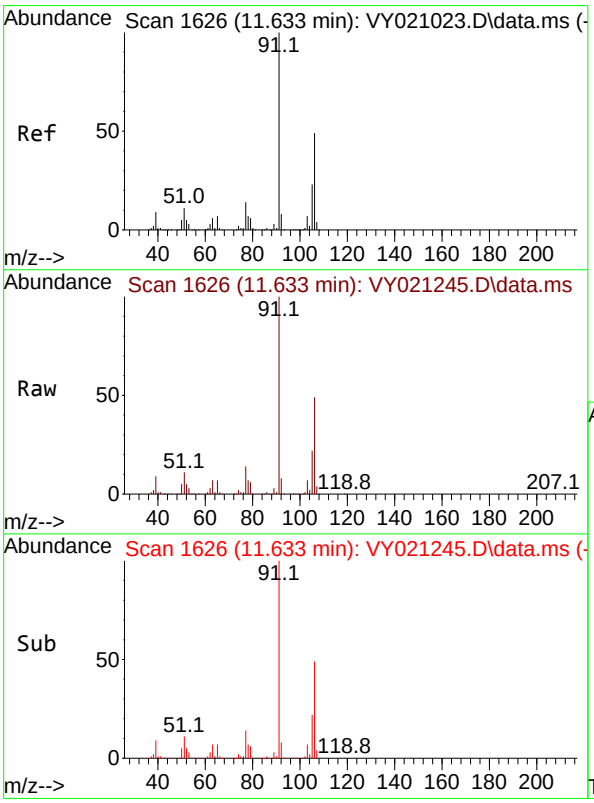
#67
Ethyl Benzene
Concen: 52.665 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 476554

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4

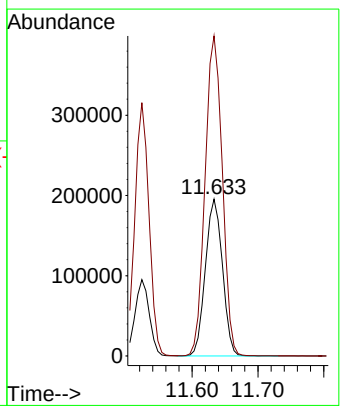


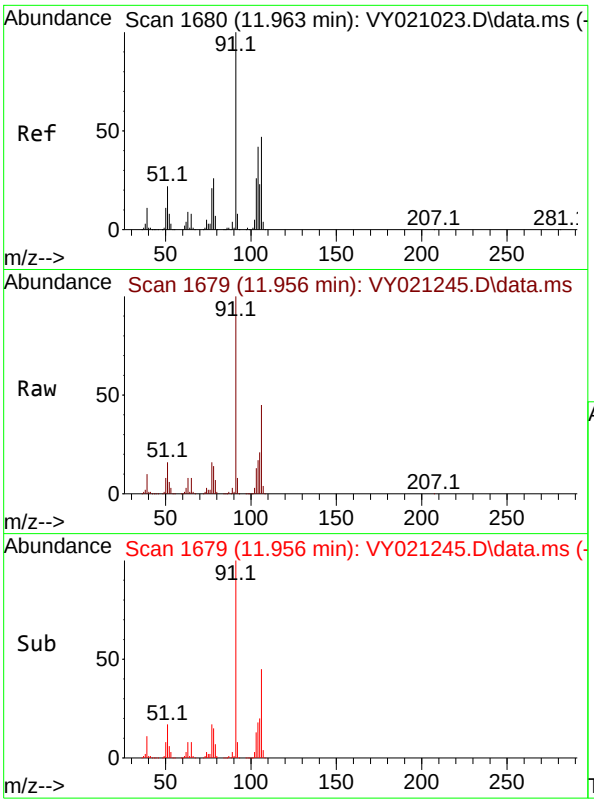


#68
m/p-Xylenes
Concen: 104.209 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:106 Resp: 352761

Ion	Ratio	Lower	Upper
106	100		
91	206.4	160.7	241.1



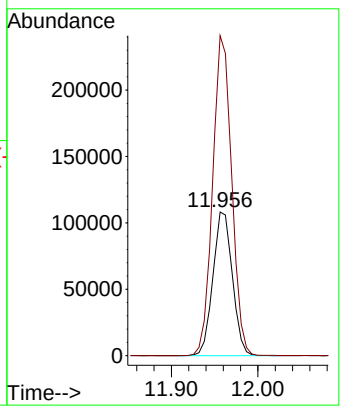


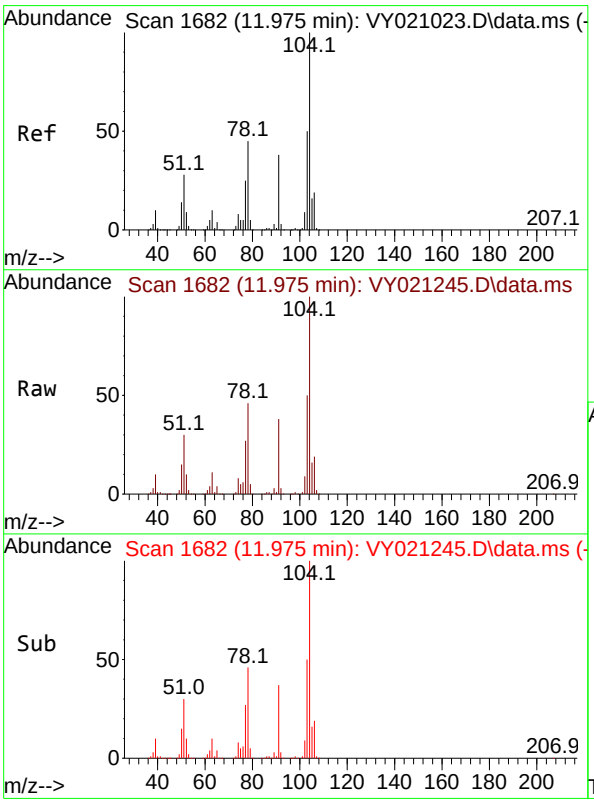
#69
o-Xylene
Concen: 53.429 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 168625

Ion	Ratio	Lower	Upper
106	100		
91	218.2	106.5	319.5

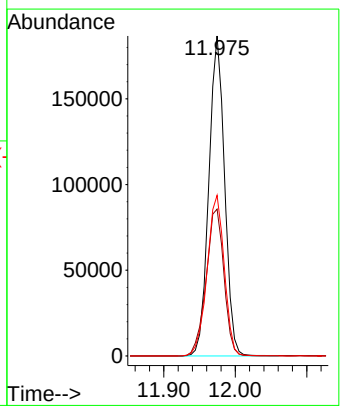


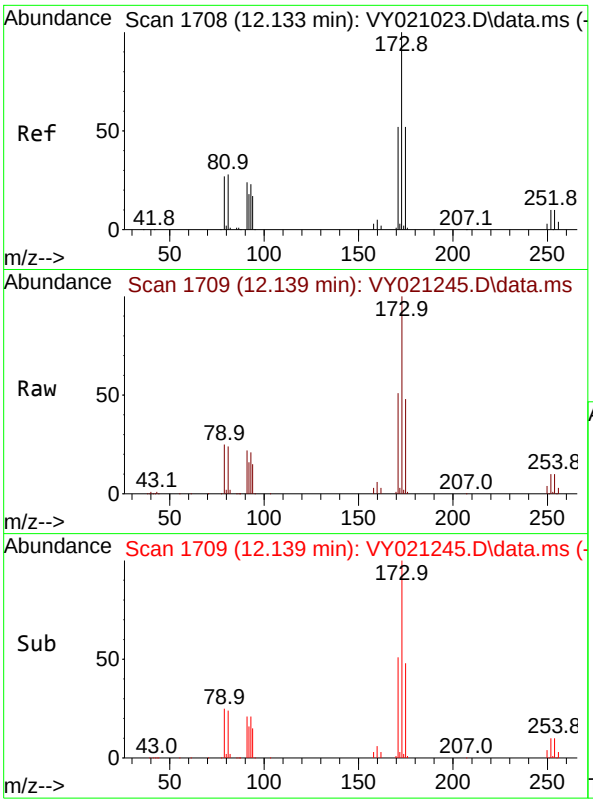


#70
Styrene
Concen: 54.365 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:104 Resp: 285969

Ion	Ratio	Lower	Upper
104	100		
78	51.9	39.2	58.8
103	54.7	43.8	65.6



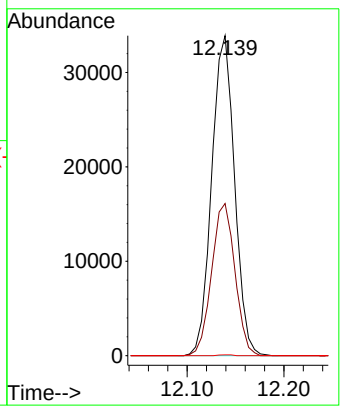


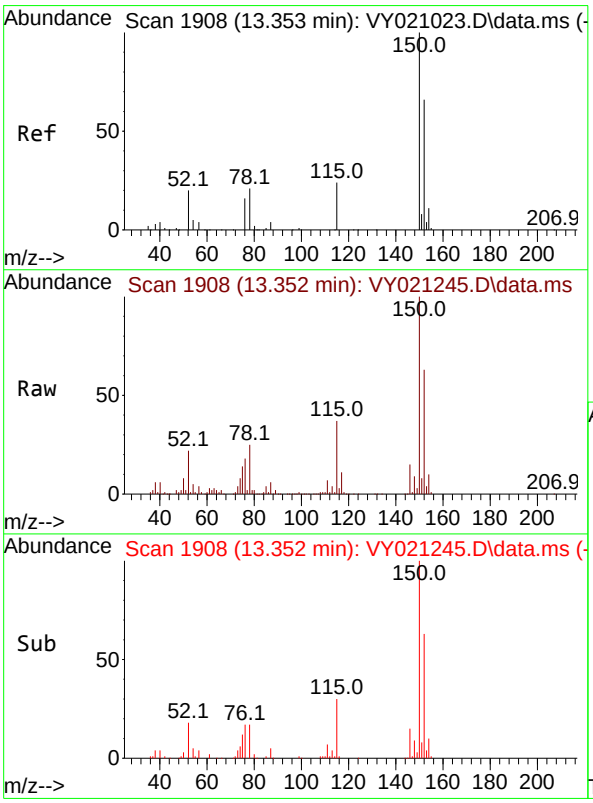
#71
Bromoform
Concen: 54.936 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 55594

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.5	70.6
254	0.2	0.0	0.0#

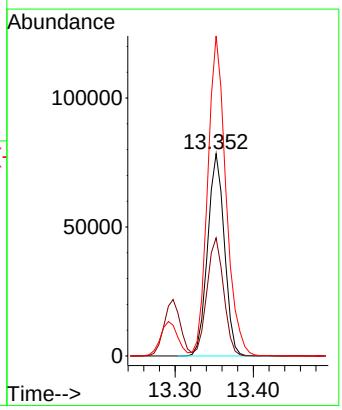


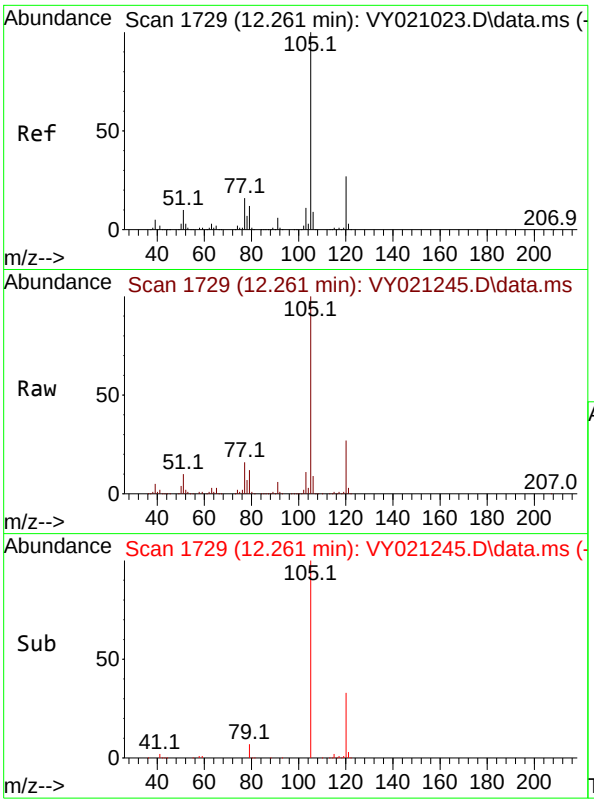


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:152 Resp: 116229

Ion	Ratio	Lower	Upper
152	100		
115	58.4	30.0	90.0
150	172.9	0.0	344.6



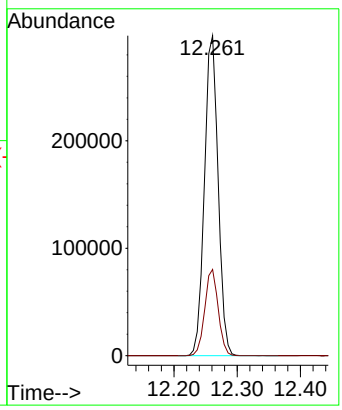


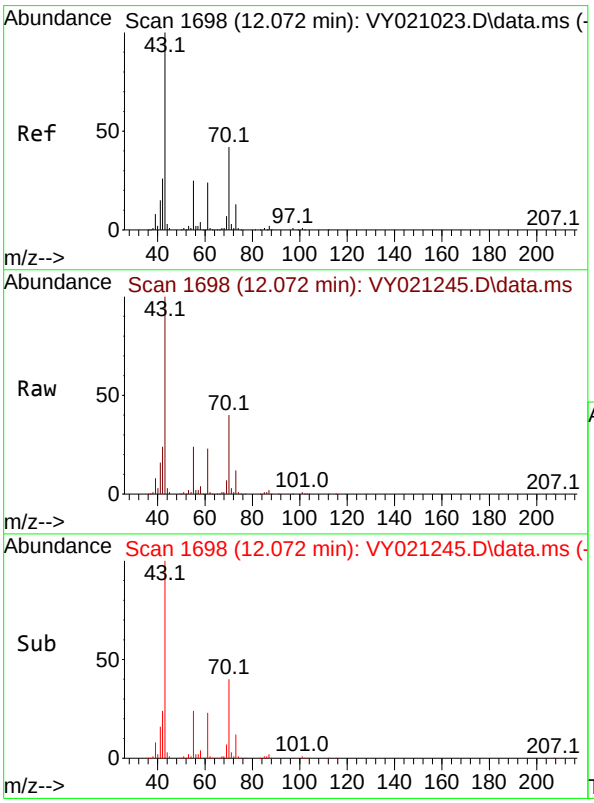
#73
Isopropylbenzene
Concen: 49.326 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 447834

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	39.0

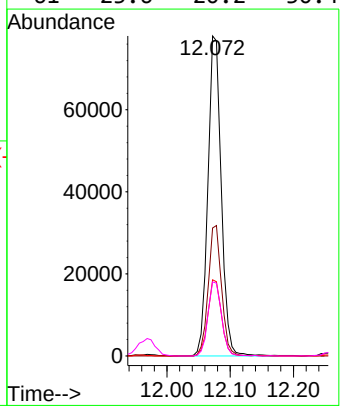


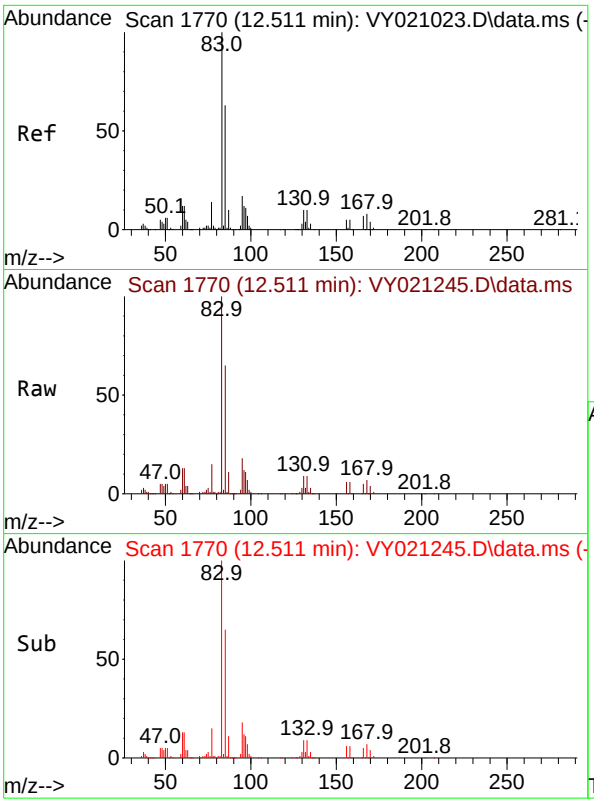


#74
N-amyl acetate
Concen: 57.796 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 114723

Ion	Ratio	Lower	Upper
43	100		
70	40.6	36.6	55.0
55	24.2	22.2	33.4
61	23.6	20.2	30.4



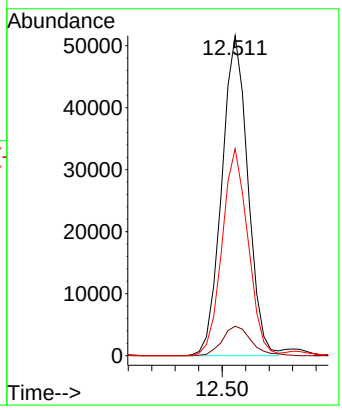


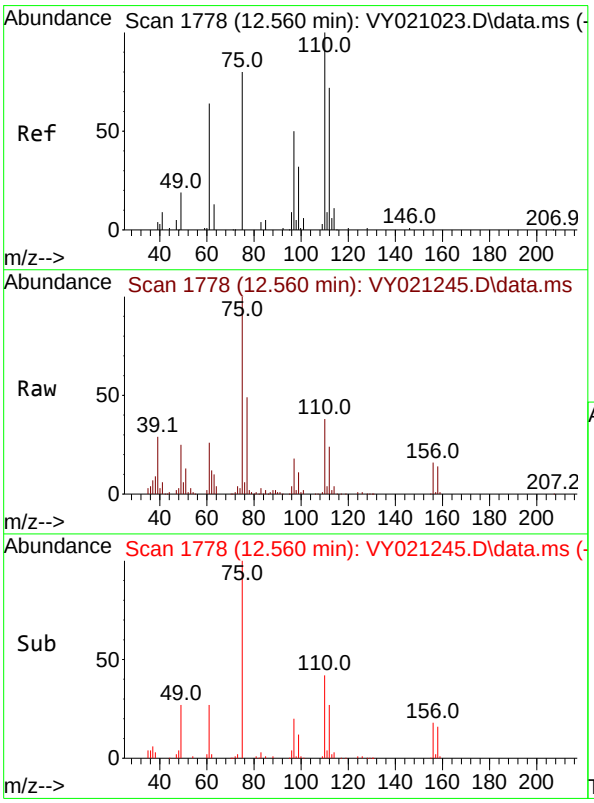
#75
1,1,2,2-Tetrachloroethane
Concen: 52.644 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 79491

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	64.2	32.6	98.0

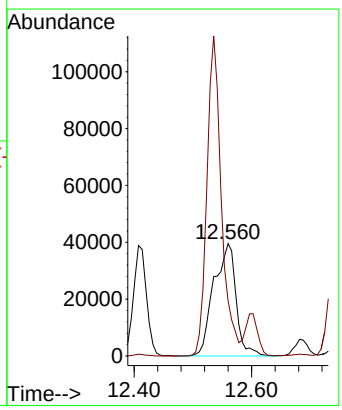


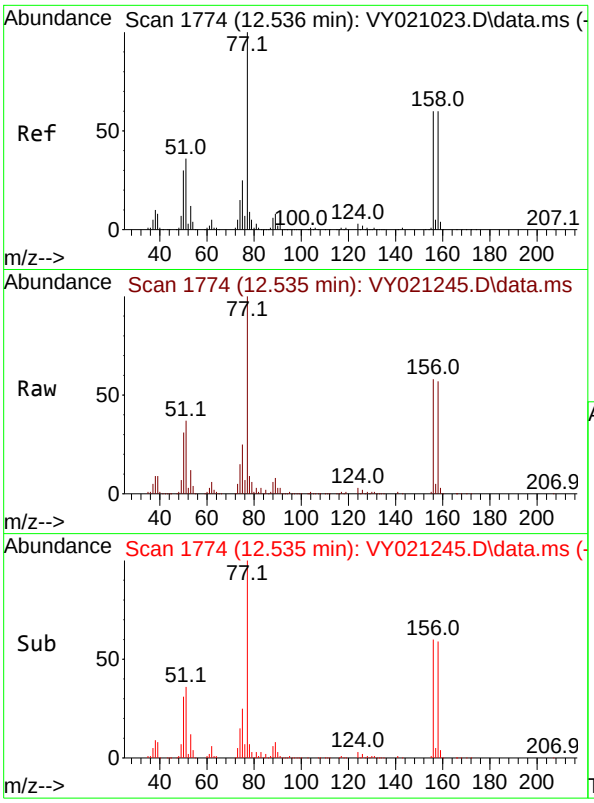


#76
1,2,3-Trichloropropane
Concen: 98.809 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 104178

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



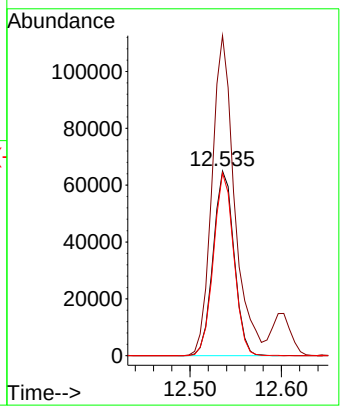


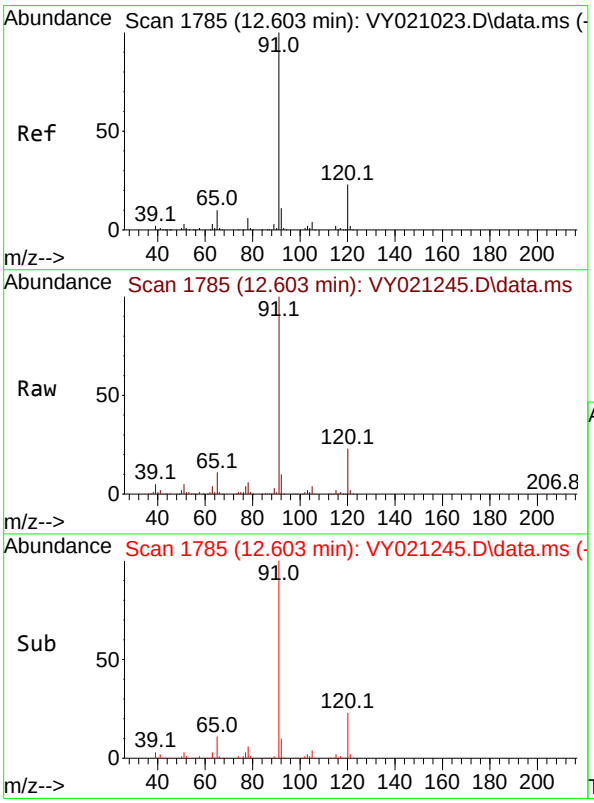
#77
Bromobenzene
Concen: 49.169 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 103017

Ion	Ratio	Lower	Upper
156	100		
77	186.9	97.3	291.8
158	96.5	48.4	145.0

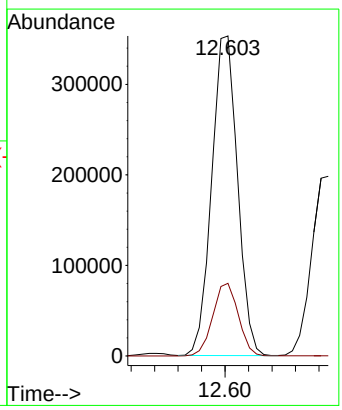


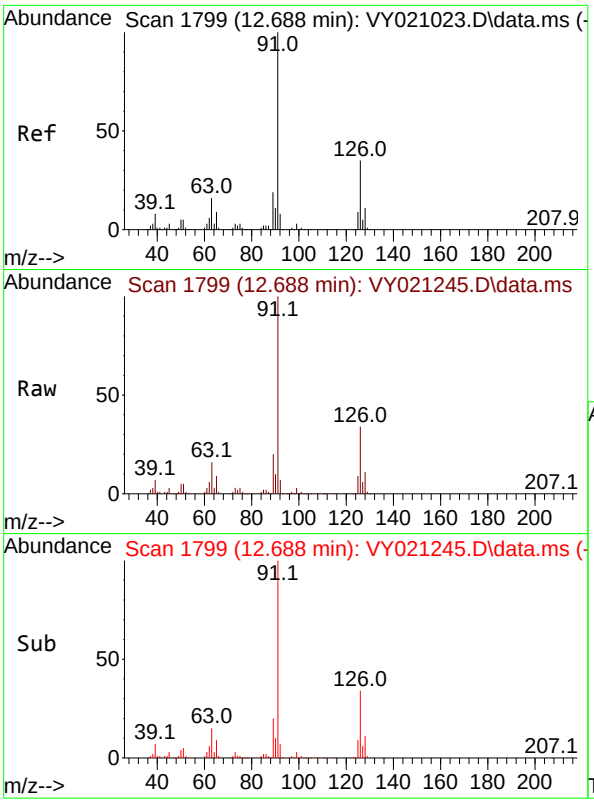


#78
n-propylbenzene
Concen: 49.878 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 539445

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0



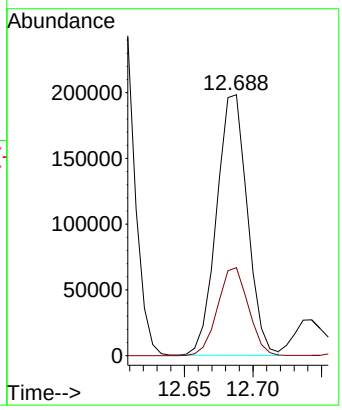


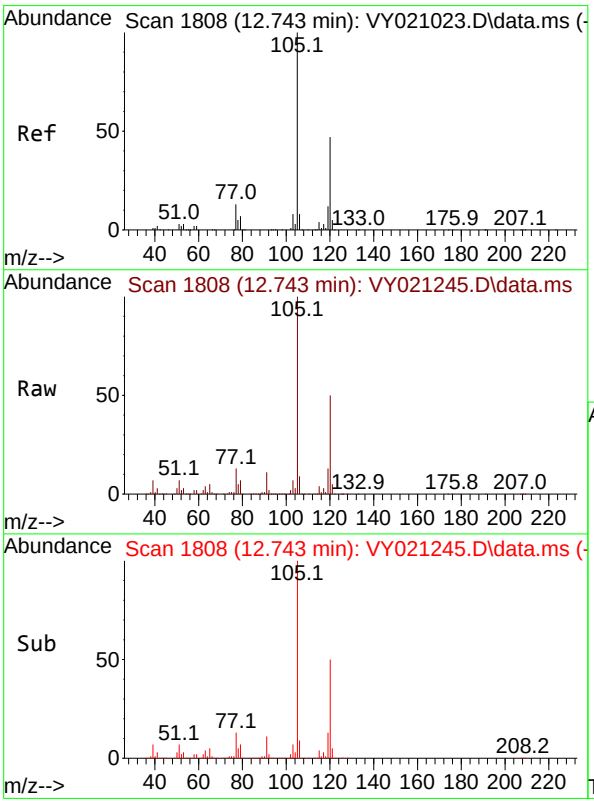
#79
2-Chlorotoluene
Concen: 50.023 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 309867

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	51.0

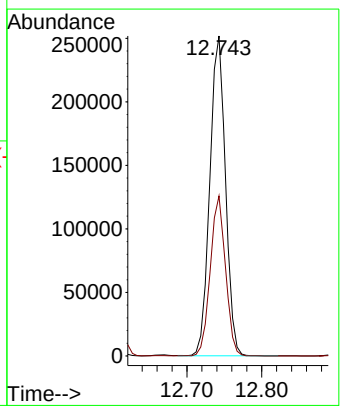


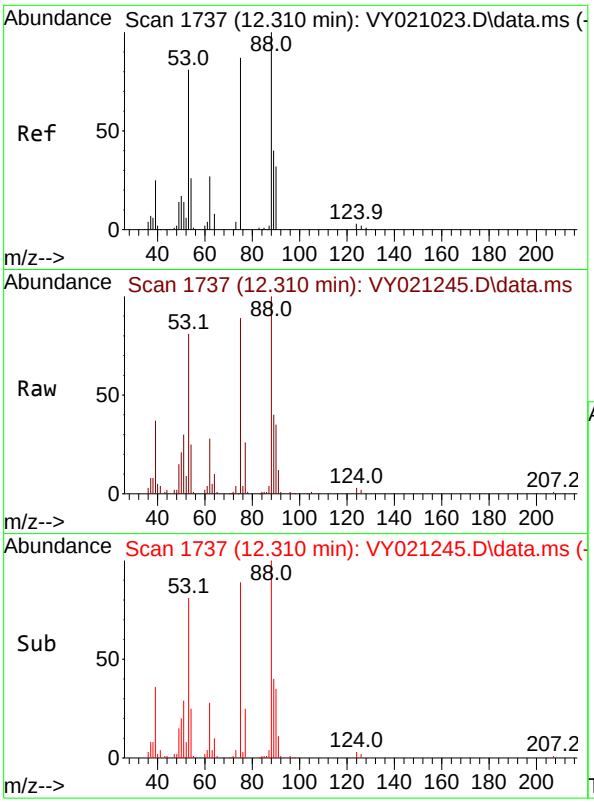


#80
1,3,5-Trimethylbenzene
Concen: 49.680 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 365700

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	72.8



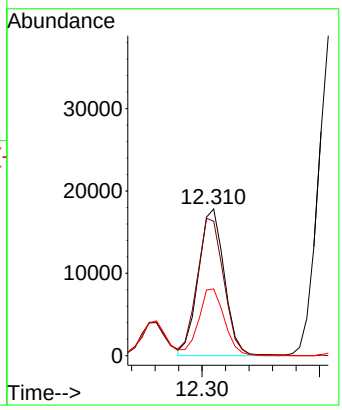


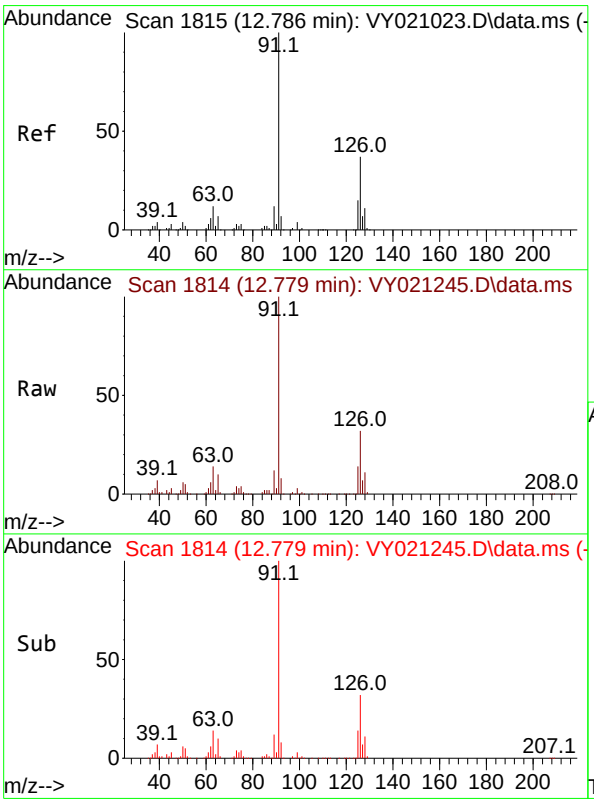
#81
trans-1,4-Dichloro-2-butene
Concen: 52.896 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 27332

Ion	Ratio	Lower	Upper
75	100		
53	96.9	74.0	111.0
89	45.4	36.5	54.7

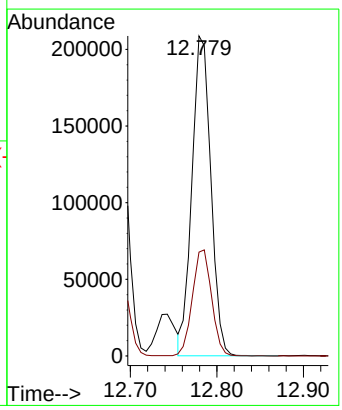


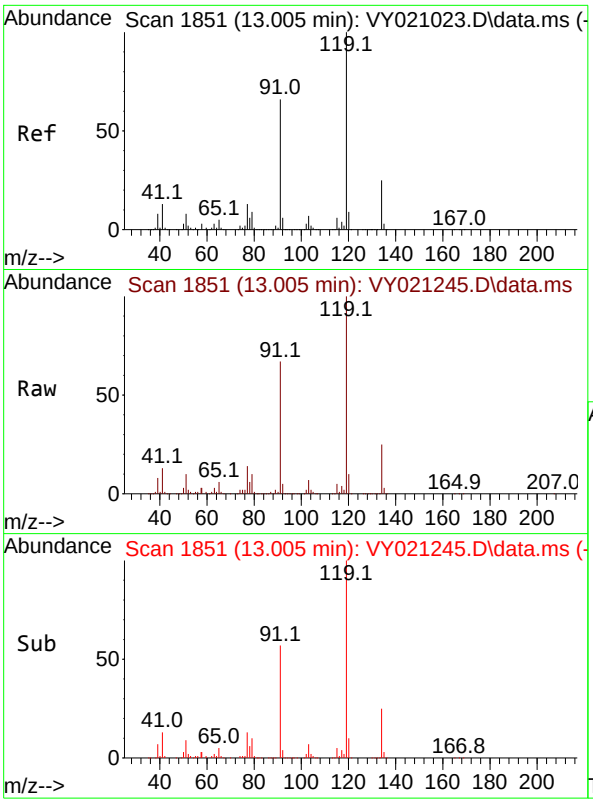


#82
4-Chlorotoluene
Concen: 50.148 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 316493

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.2



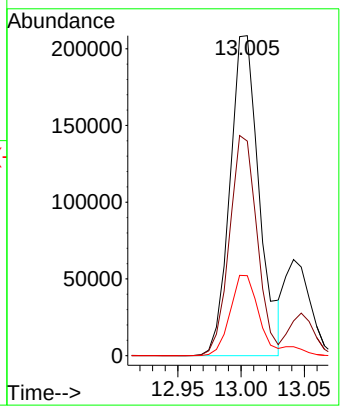


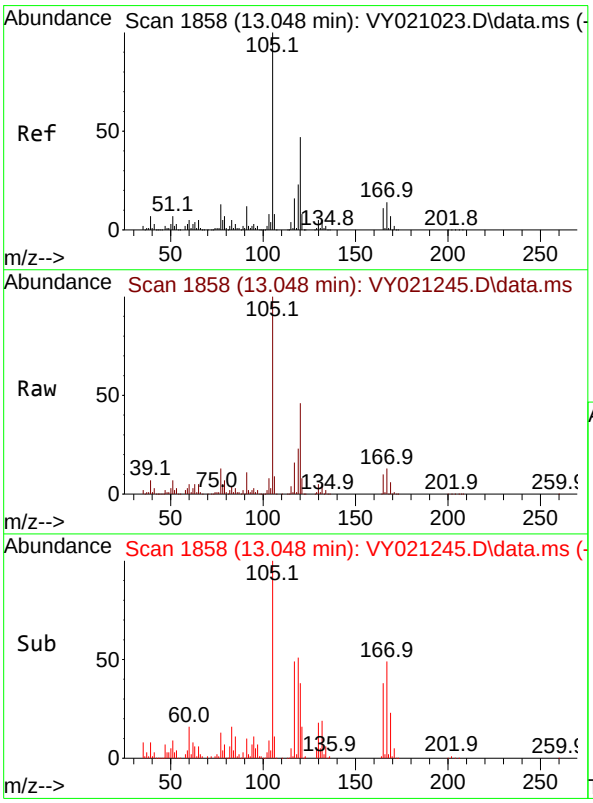
#83
tert-Butylbenzene
Concen: 50.321 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 336692

Ion	Ratio	Lower	Upper
119	100		
91	65.0	31.5	94.5
134	26.3	13.1	39.3

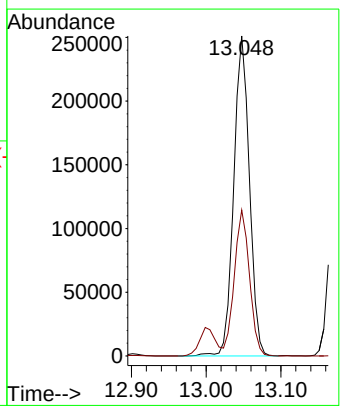


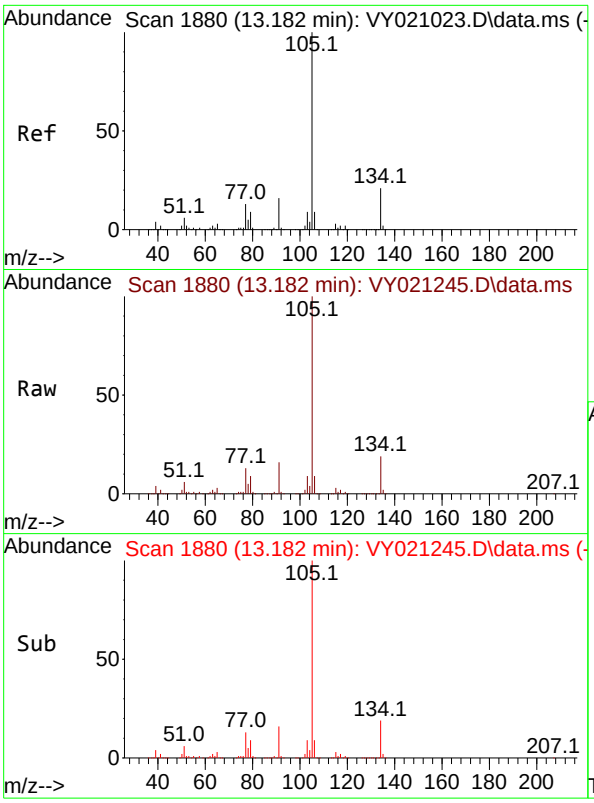


#84
1,2,4-Trimethylbenzene
Concen: 50.704 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 364939

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3



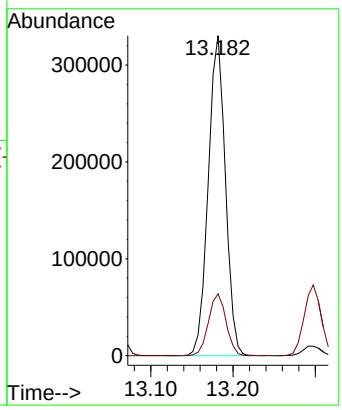


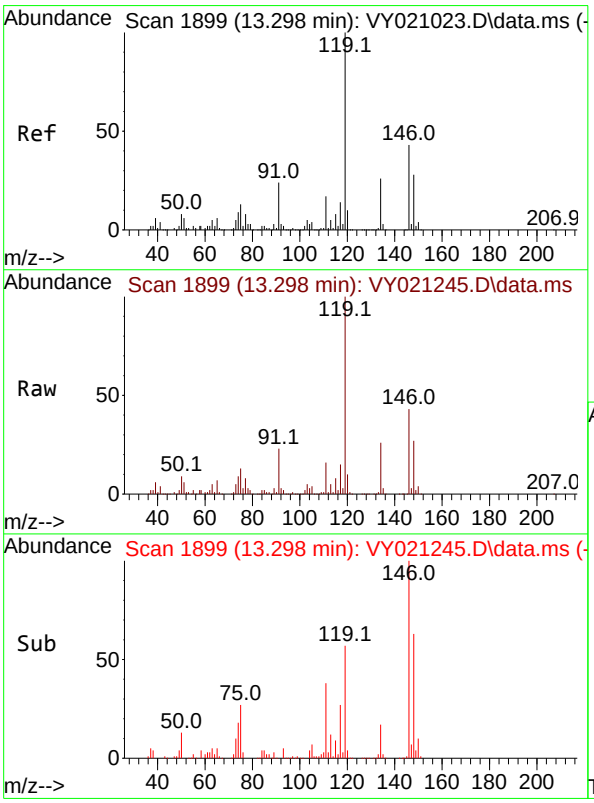
#85
sec-Butylbenzene
Concen: 49.704 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 478716

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	28.9

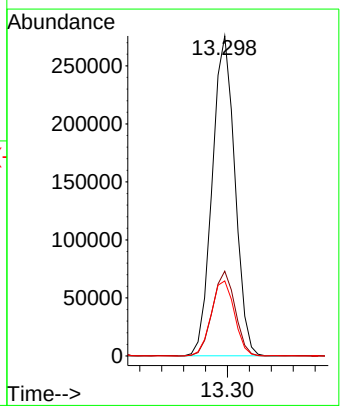


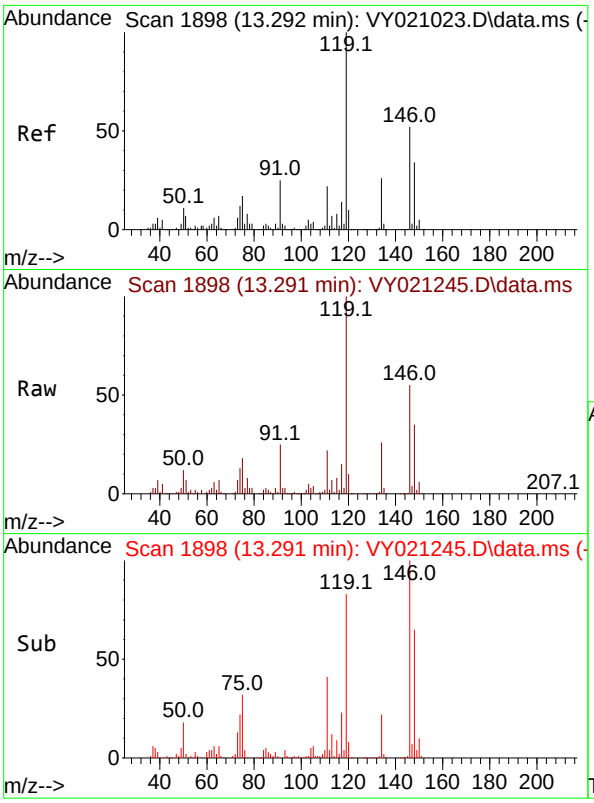


#86
p-Isopropyltoluene
Concen: 49.440 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:119 Resp: 395546

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	24.1	11.7	35.0



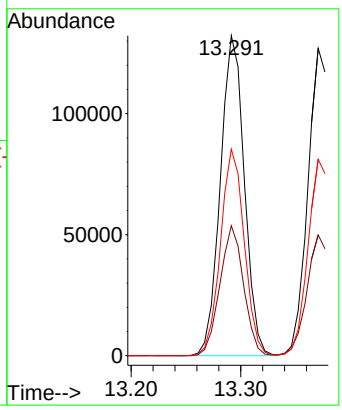


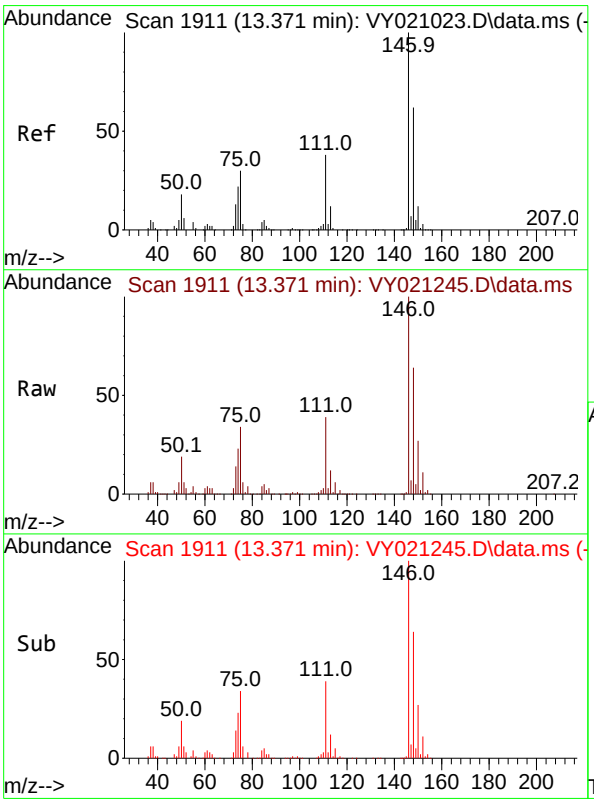
#87
1,3-Dichlorobenzene
Concen: 49.722 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 201146

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	64.0	31.9	95.9

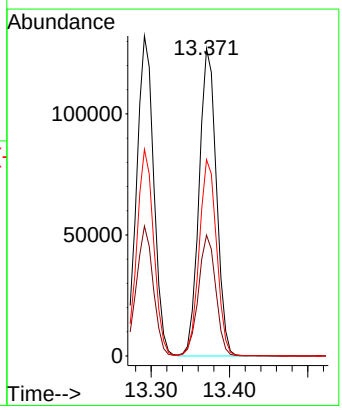


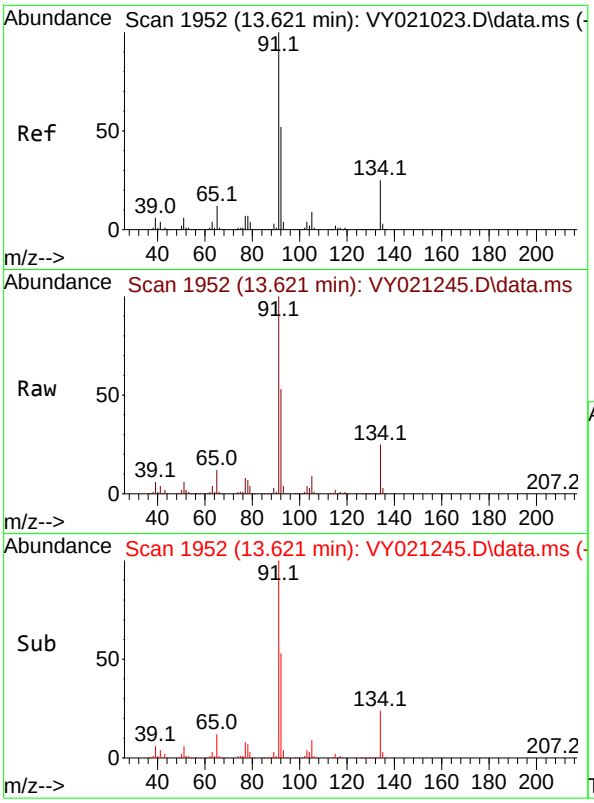


#88
1,4-Dichlorobenzene
Concen: 48.925 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 194880

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	64.2	31.6	94.7



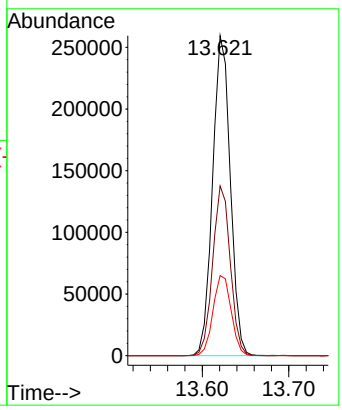


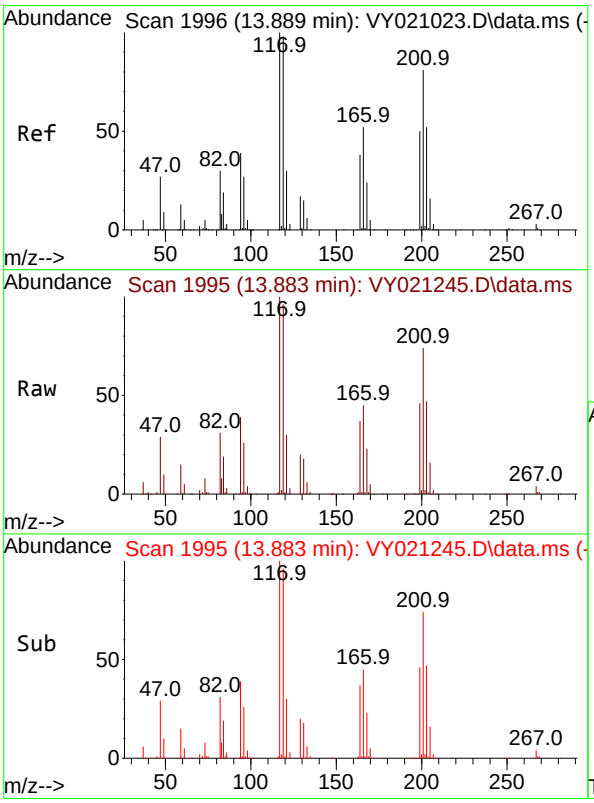
#89
n-Butylbenzene
Concen: 50.435 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 368108

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.8	12.3	36.8

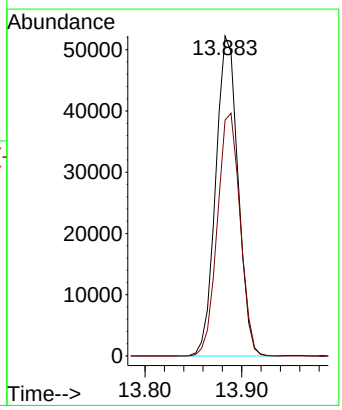


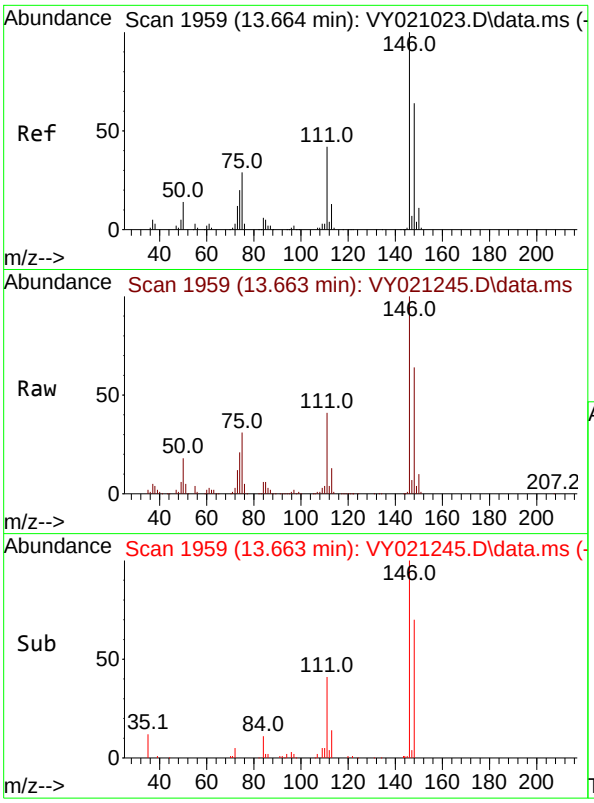


#90
Hexachloroethane
Concen: 50.100 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 83620

Ion	Ratio	Lower	Upper
117	100		
201	77.3	33.4	100.1



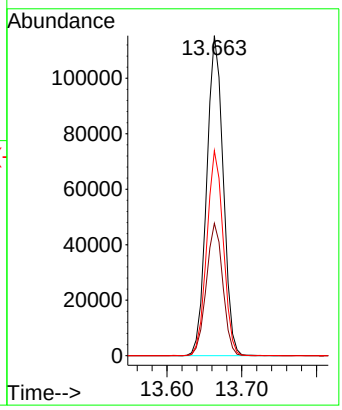


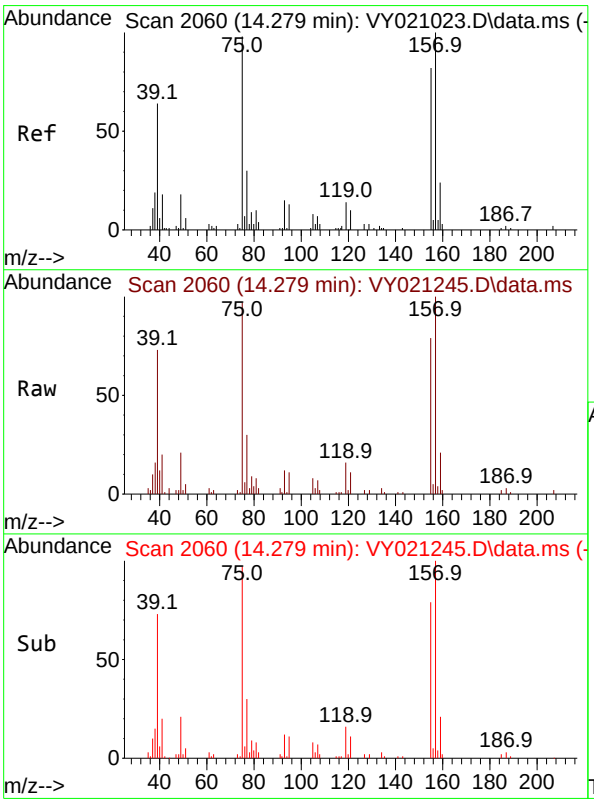
#91
1,2-Dichlorobenzene
Concen: 50.301 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 176618

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.9	31.4	94.3

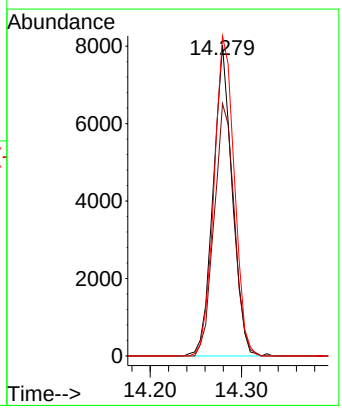


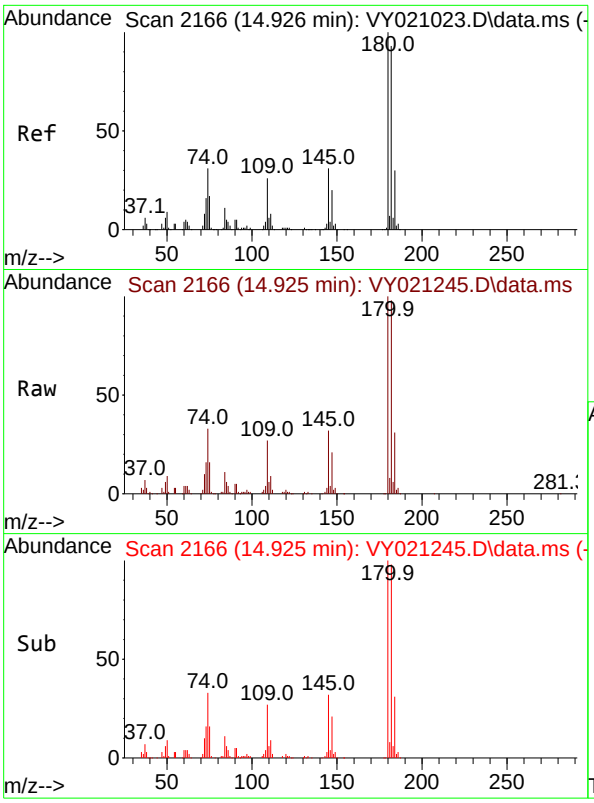


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.546 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 11631

Ion	Ratio	Lower	Upper
75	100		
155	86.2	42.1	126.3
157	109.3	55.8	167.4



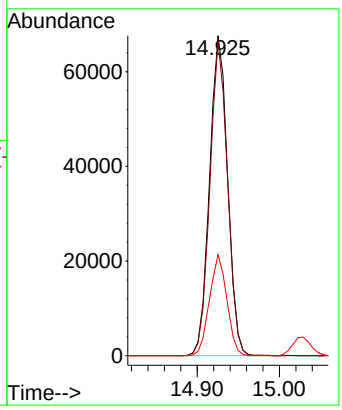


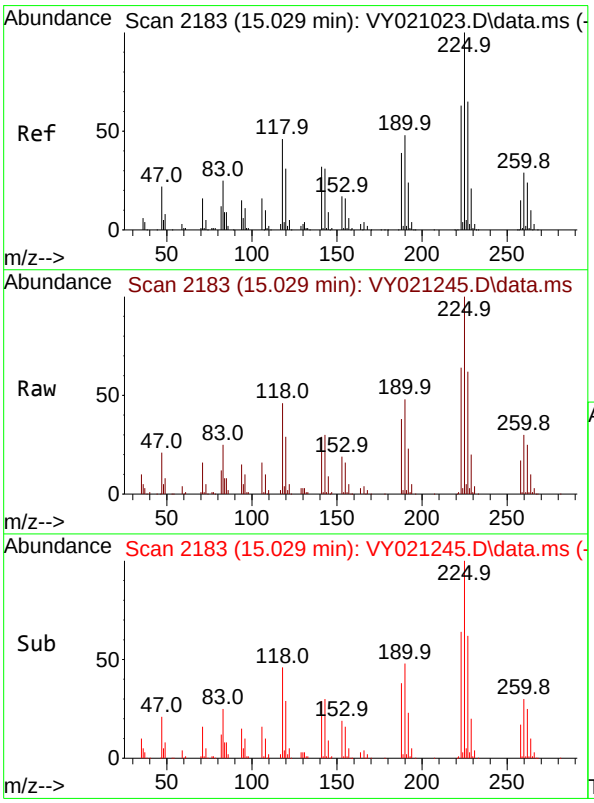
#93
1,2,4-Trichlorobenzene
Concen: 52.893 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 103377

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	30.3	15.9	47.7

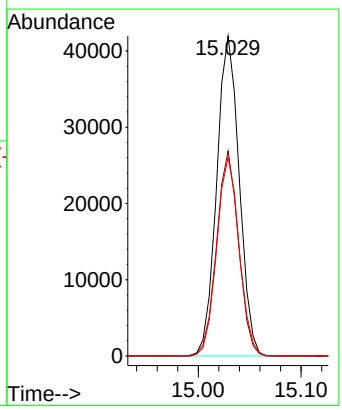


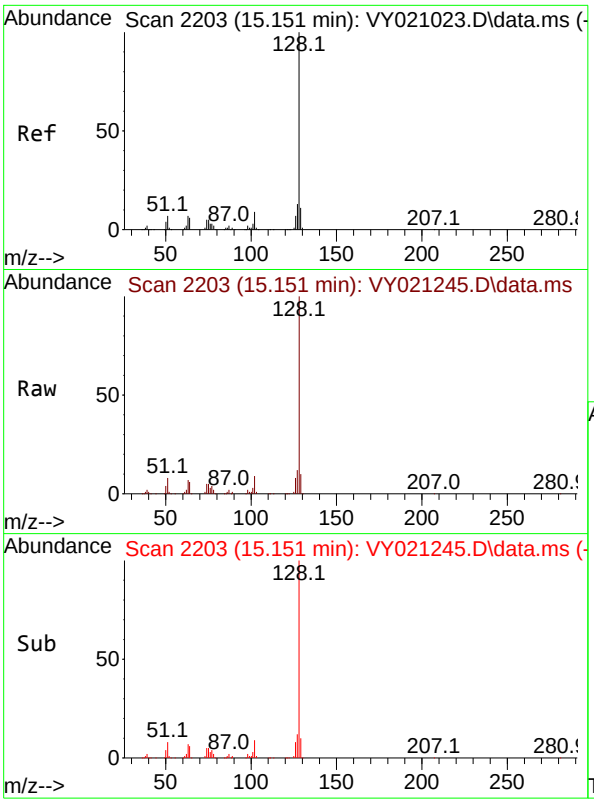


#94
Hexachlorobutadiene
Concen: 49.312 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:225 Resp: 63868

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.3
227	61.5	32.3	96.8



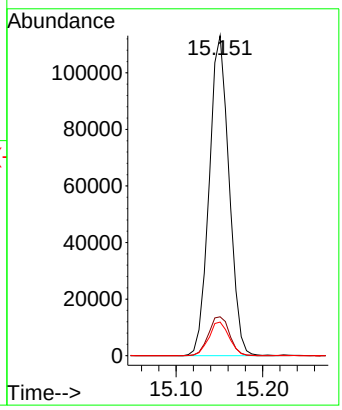


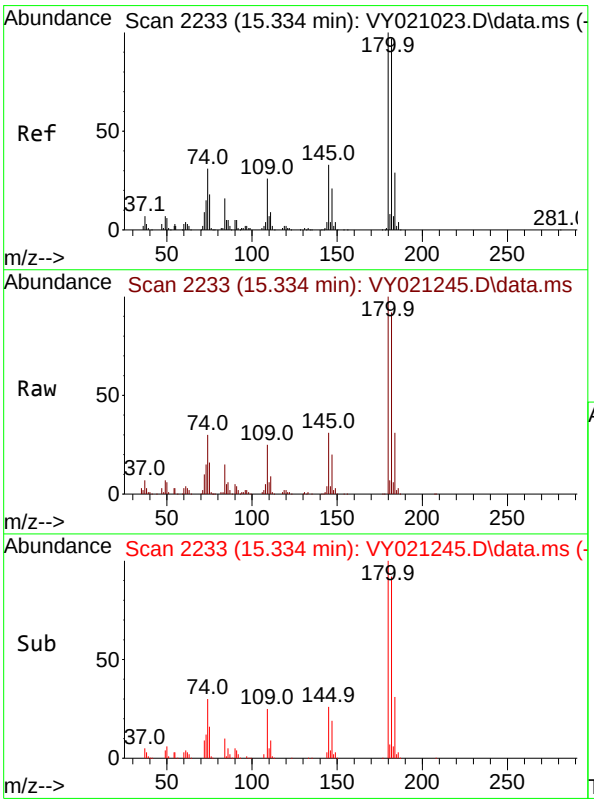
#95
Naphthalene
Concen: 57.663 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 180305

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	12.8

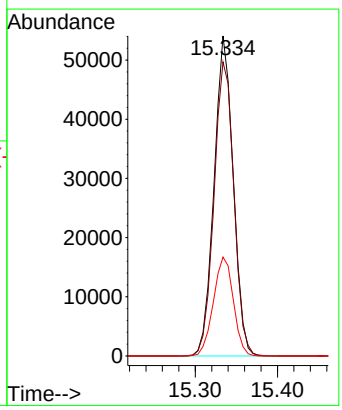




#96
1,2,3-Trichlorobenzene
Concen: 53.891 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:180 Resp: 87654

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.3	138.8
145	32.2	16.1	48.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	177514	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	289913	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	247837	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118690	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	12088	6.003	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.000%#			
35) Dibromofluoromethane	7.634	113	10715	5.637	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.280%#			
50) Toluene-d8	10.103	98	41158	5.603	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.200%#			
62) 4-Bromofluorobenzene	12.408	95	14192	5.741	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.480%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	9045	5.374	ug/l		99
3) Chloromethane	2.068	50	12591	5.793	ug/l		97
4) Vinyl Chloride	2.202	62	11497	5.389	ug/l		93
5) Bromomethane	2.598	94	8962	6.321	ug/l		99
6) Chloroethane	2.733	64	7351	5.556	ug/l		99
7) Trichlorofluoromethane	3.056	101	17319	5.375	ug/l	#	83
8) Diethyl Ether	3.458	74	4897	5.064	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.806	101	9686	5.193	ug/l		96
10) Methyl Iodide	4.001	142	8728	4.447	ug/l		99
11) Tert butyl alcohol	4.848	59	5165	33.345	ug/l	#	84
12) 1,1-Dichloroethene	3.787	96	9671	5.415	ug/l		90
13) Acrolein	3.647	56	5798	48.848	ug/l		99
14) Allyl chloride	4.379	41	16498	5.210	ug/l		99
15) Acrylonitrile	5.055	53	10830	25.330	ug/l		98
16) Acetone	3.866	43	10823	28.018	ug/l		99
17) Carbon Disulfide	4.104	76	31953	5.387	ug/l		99
18) Methyl Acetate	4.391	43	5062	5.362	ug/l	#	54
19) Methyl tert-butyl Ether	5.110	73	23290	4.935	ug/l		100
20) Methylene Chloride	4.610	84	13003	6.225	ug/l		93
21) trans-1,2-Dichloroethene	5.110	96	10455	5.317	ug/l		98
22) Diisopropyl ether	6.012	45	32640	4.981	ug/l	#	86
23) Vinyl Acetate	5.958	43	94244	24.067	ug/l		99
24) 1,1-Dichloroethane	5.915	63	19538	5.290	ug/l		98
25) 2-Butanone	6.890	43	14341	24.599	ug/l	#	88
26) 2,2-Dichloropropane	6.884	77	18391	5.488	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	11522	5.132	ug/l		97
28) Bromochloromethane	7.244	49	9318	5.702	ug/l		99
29) Tetrahydrofuran	7.262	42	9319	24.455	ug/l		99
30) Chloroform	7.421	83	20025	5.351	ug/l		98
31) Cyclohexane	7.701	56	20990	5.912	ug/l	#	86
32) 1,1,1-Trichloroethane	7.616	97	18106	5.315	ug/l		98
36) 1,1-Dichloropropene	7.829	75	14719	5.155	ug/l		98
37) Ethyl Acetate	6.982	43	7270	5.119	ug/l		98
38) Carbon Tetrachloride	7.817	117	16445	5.124	ug/l		92
39) Methylcyclohexane	9.103	83	17316	4.795	ug/l		95
40) Benzene	8.079	78	43912	5.203	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	2838	3.574	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	12236	5.110	ug/l		99
43) Isopropyl Acetate	8.195	43	12832	4.668	ug/l		99
44) Trichloroethene	8.859	130	10868	5.143	ug/l		100
45) 1,2-Dichloropropane	9.140	63	10426	5.133	ug/l		95
46) Dibromomethane	9.231	93	5557	5.005	ug/l		100
47) Bromodichloromethane	9.420	83	15042	5.081	ug/l		100
48) Methyl methacrylate	9.219	41	5698	4.433	ug/l		95
49) 1,4-Dioxane	9.231	88	1164	94.292	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	31910	22.677	ug/l		100
52) Toluene	10.170	92	25715	4.905	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	12697	4.682	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	15685	4.899	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	7259	5.019	ug/l		96
56) Ethyl methacrylate	10.438	69	8528	4.267	ug/l		99
57) 1,3-Dichloropropane	10.713	76	12384	4.880	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	20290	21.153	ug/l		98
59) 2-Hexanone	10.762	43	19312	20.897	ug/l		97
60) Dibromochloromethane	10.914	129	9844	4.998	ug/l		97
61) 1,2-Dibromoethane	11.018	107	6792	4.960	ug/l		98
64) Tetrachloroethene	10.646	164	10042	5.361	ug/l		96
65) Chlorobenzene	11.444	112	29025	5.217	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	9824	5.043	ug/l		99
67) Ethyl Benzene	11.518	91	48026	4.874	ug/l		97
68) m/p-Xylenes	11.627	106	36446	9.833	ug/l		100
69) o-Xylene	11.956	106	17085	4.920	ug/l		97
70) Styrene	11.969	104	26787	4.637	ug/l		99
71) Bromoform	12.133	173	5478	4.916	ug/l	#	99
73) Isopropylbenzene	12.255	105	44434	4.980	ug/l		99
74) N-amyl acetate	12.072	43	9713	4.283	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8309	5.276	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	10626	8.890	ug/l	#	100
77) Bromobenzene	12.536	156	10911	5.257	ug/l		99
78) n-propylbenzene	12.597	91	53794	4.968	ug/l		100
79) 2-Chlorotoluene	12.682	91	32529	5.235	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	36696	5.014	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	2493	4.664	ug/l		97
82) 4-Chlorotoluene	12.780	91	34079	5.290	ug/l		99
83) tert-Butylbenzene	12.999	119	32078	4.852	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	35772	4.915	ug/l		100
85) sec-Butylbenzene	13.176	105	48977	5.072	ug/l		100
86) p-Isopropyltoluene	13.292	119	39637	4.916	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	21510	5.239	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	21663	5.341	ug/l		95
89) n-Butylbenzene	13.621	91	36537	4.815	ug/l		100
90) Hexachloroethane	13.883	117	9013	5.351	ug/l		97
91) 1,2-Dichlorobenzene	13.664	146	18984	5.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1227	4.925	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	10759	4.901	ug/l		98
94) Hexachlorobutadiene	15.029	225	7510	5.434	ug/l		95
95) Naphthalene	15.145	128	14829	4.078	ug/l		97
96) 1,2,3-Trichlorobenzene	15.334	180	8804	4.746	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

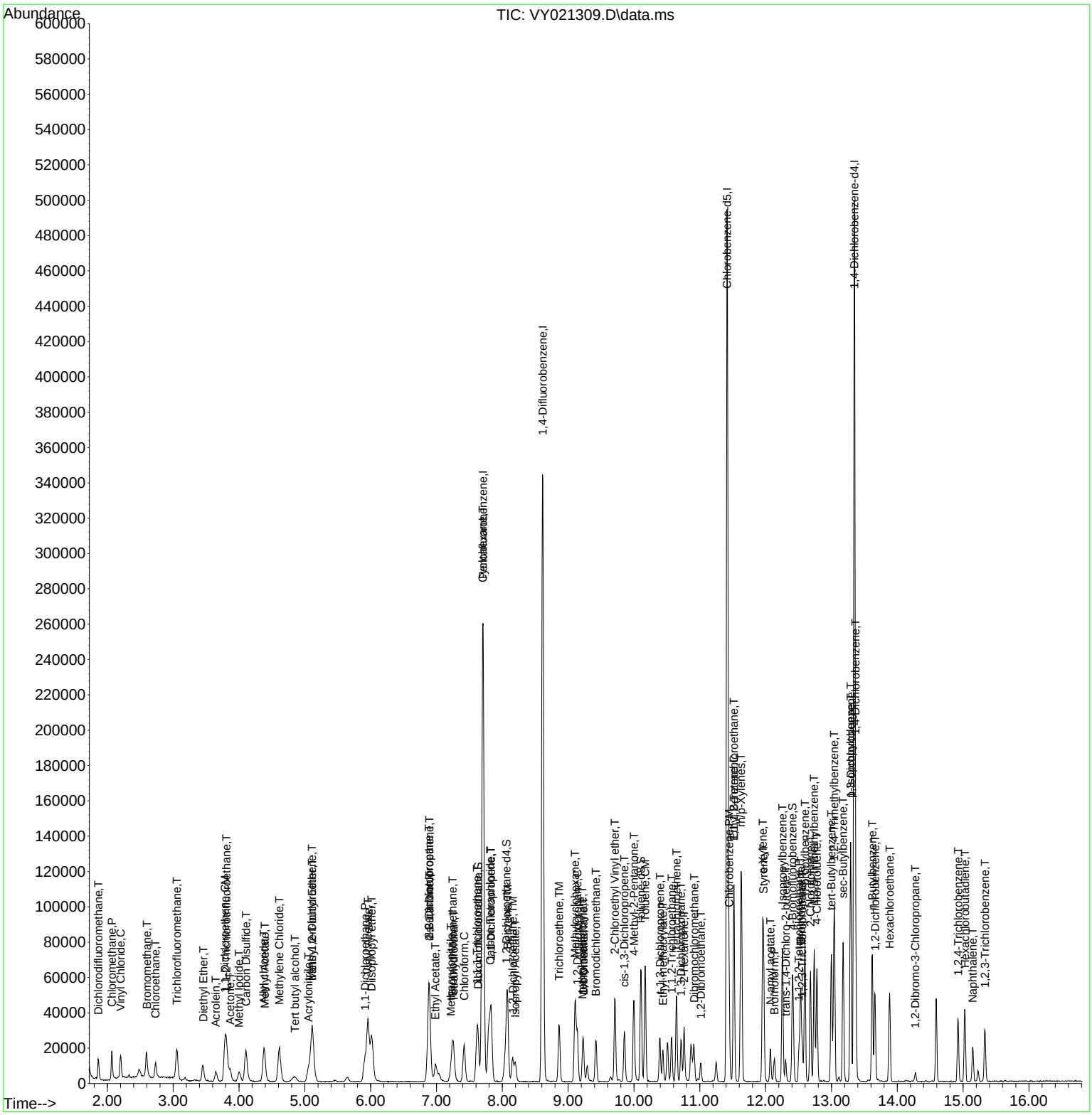
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

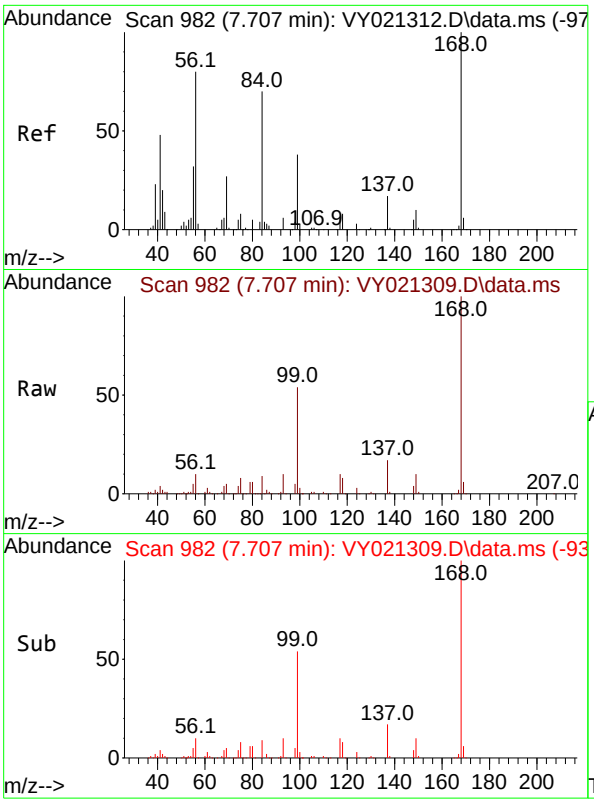
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



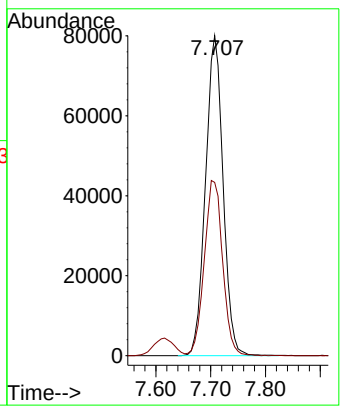


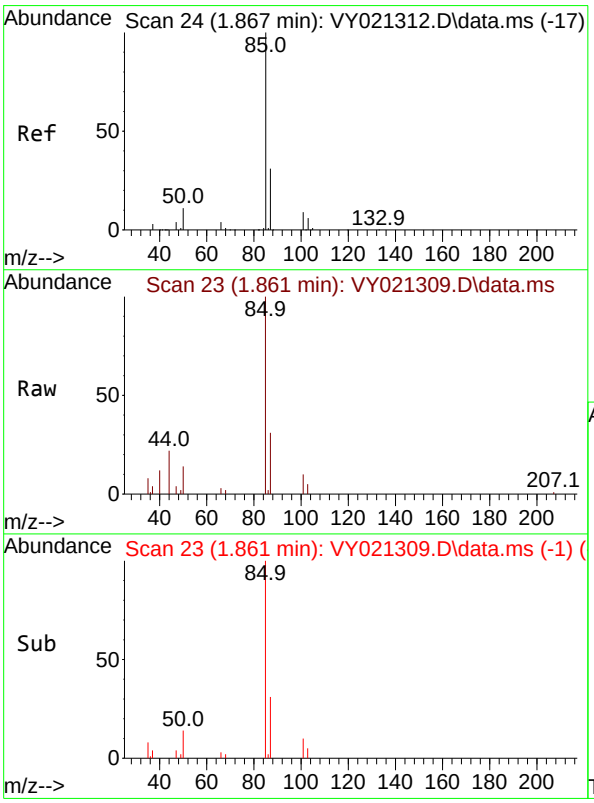
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 177514

Ion	Ratio	Lower	Upper
168	100		
99	54.1	47.1	70.7

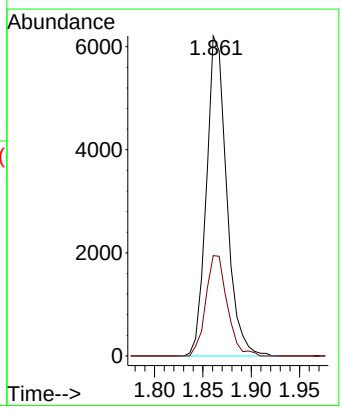


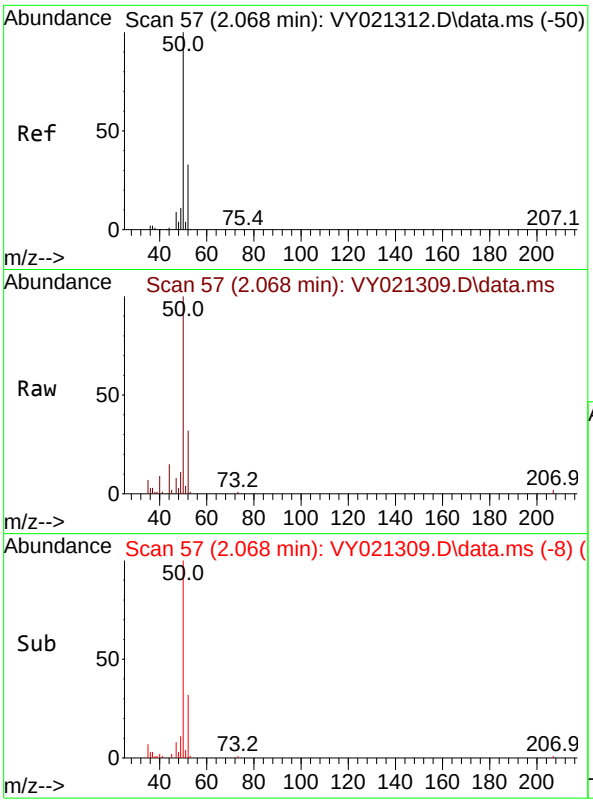


#2
Dichlorodifluoromethane
Concen: 5.374 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 85 Resp: 9045

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.4	46.4



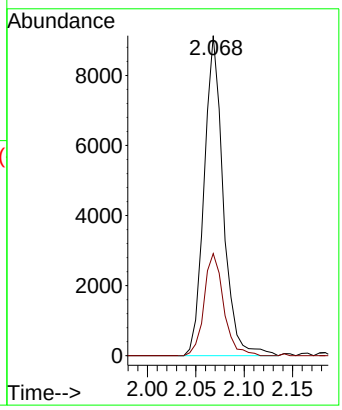


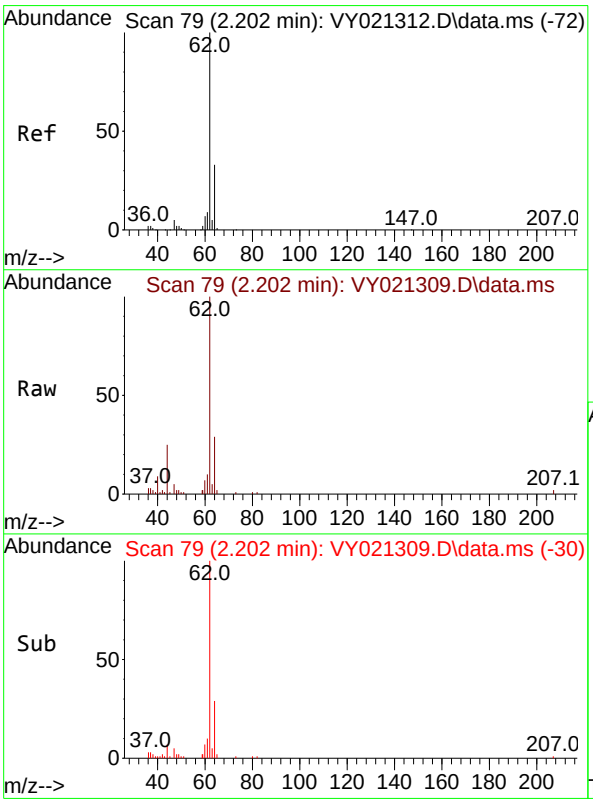
#3
Chloromethane
Concen: 5.793 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 12591

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.6	40.0

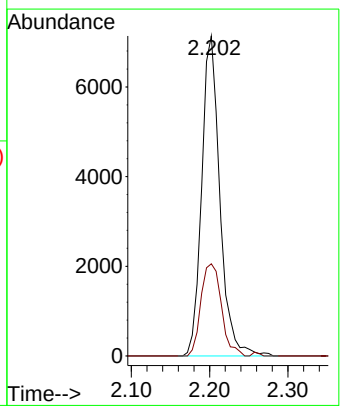


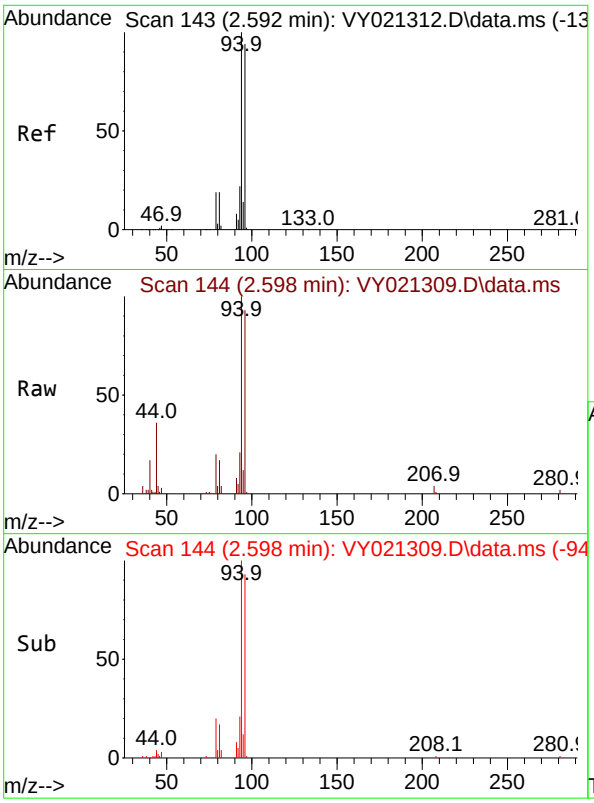


#4
Vinyl Chloride
Concen: 5.389 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 11497

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.3	39.5



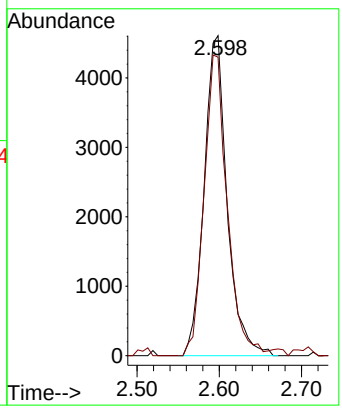


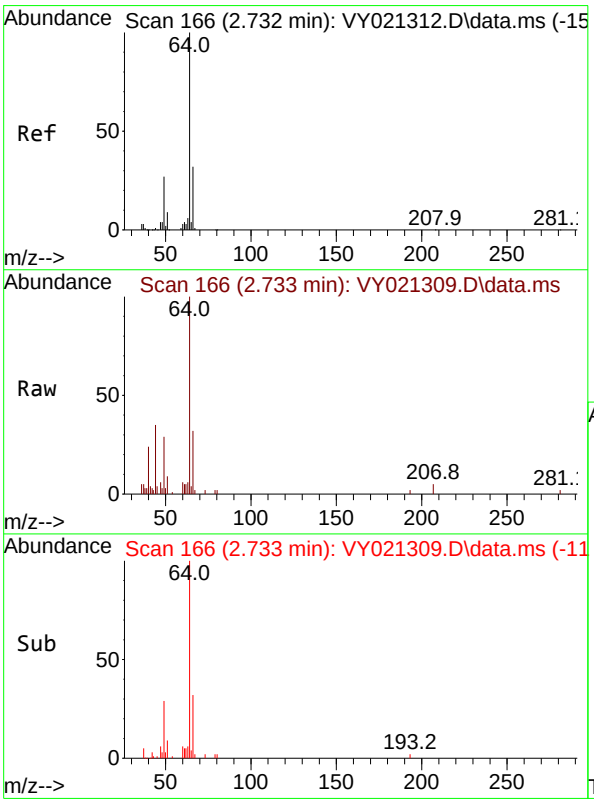
#5
Bromomethane
Concen: 6.321 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8962

Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.2	112.8

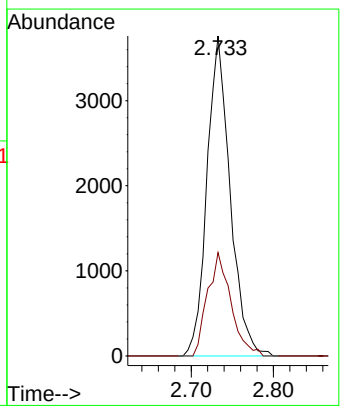


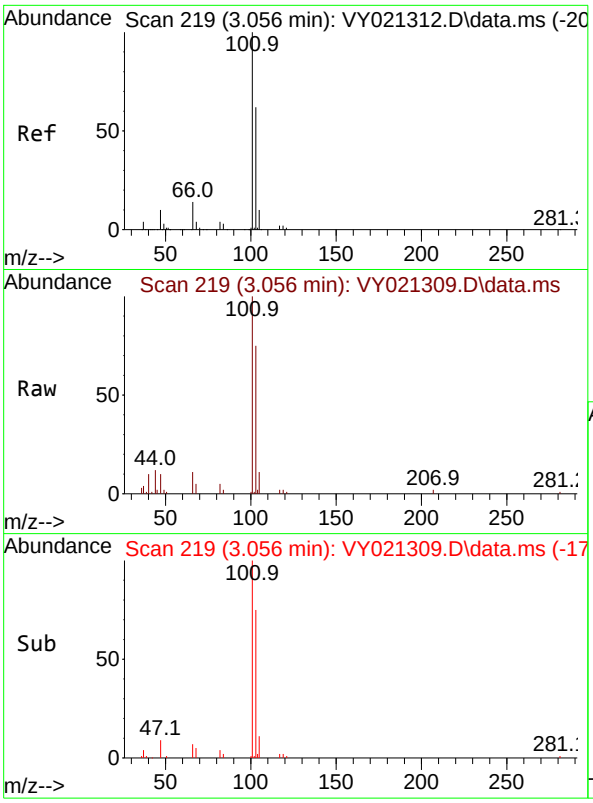


#6
Chloroethane
Concen: 5.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 64 Resp: 7351

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0



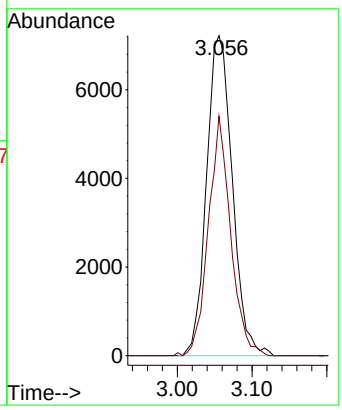


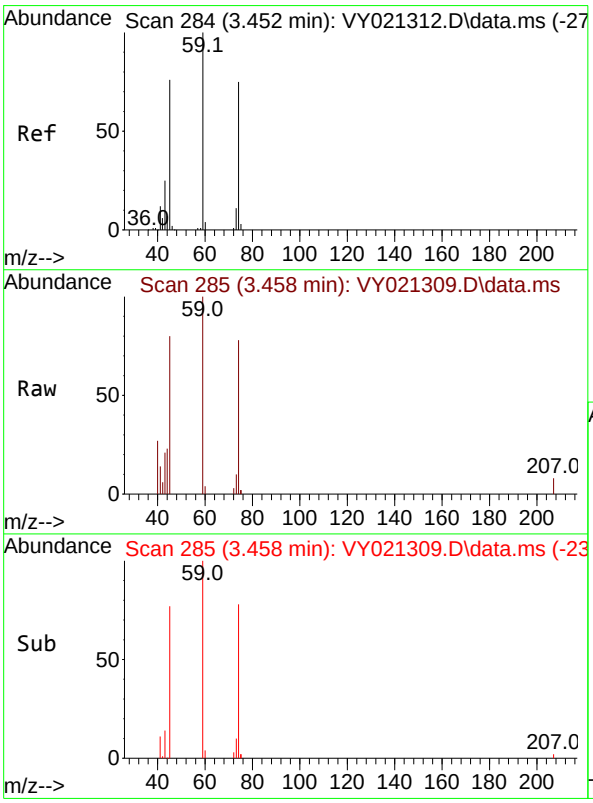
#7
Trichlorofluoromethane
Concen: 5.375 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17319

Ion	Ratio	Lower	Upper
101	100		
103	74.8	49.7	74.5#

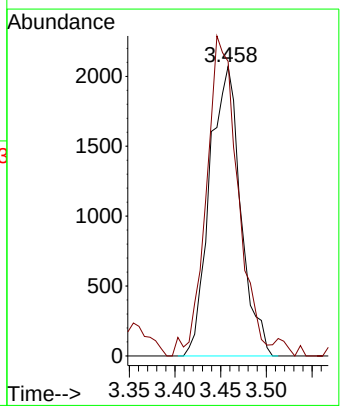


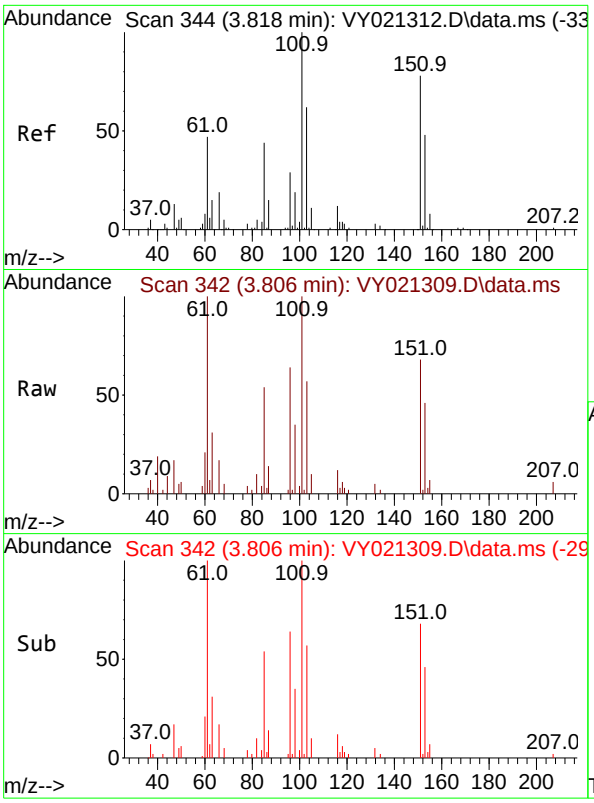


#8
Diethyl Ether
Concen: 5.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 74 Resp: 4897

Ion	Ratio	Lower	Upper
74	100		
45	111.5	50.3	150.9



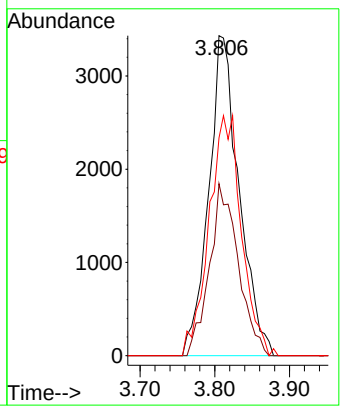


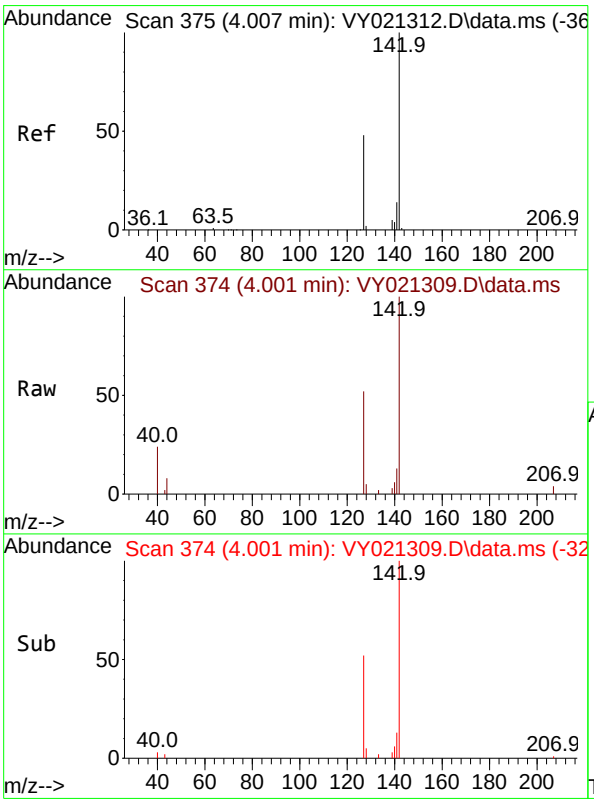
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.193 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9686

Ion	Ratio	Lower	Upper
101	100		
85	50.9	36.7	55.1
151	80.2	62.6	94.0

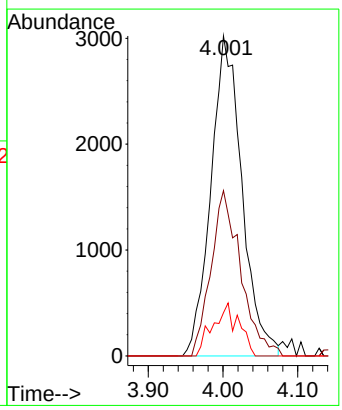


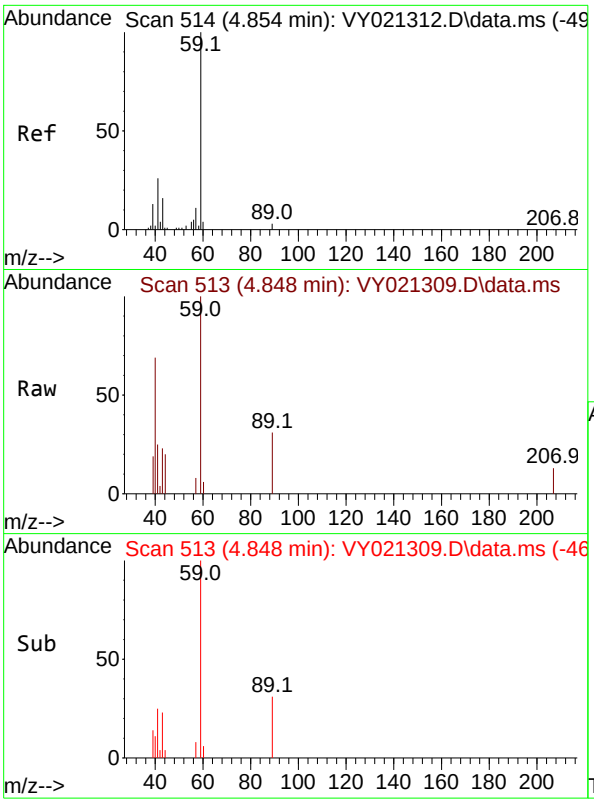


#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:142 Resp: 8728

Ion	Ratio	Lower	Upper
142	100		
127	49.6	39.2	58.8
141	13.8	11.4	17.2



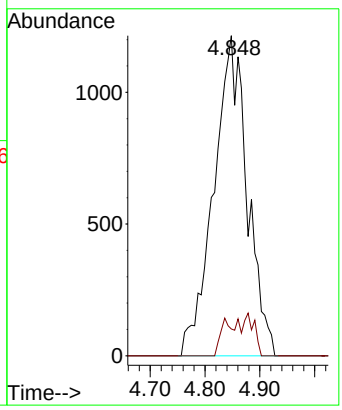


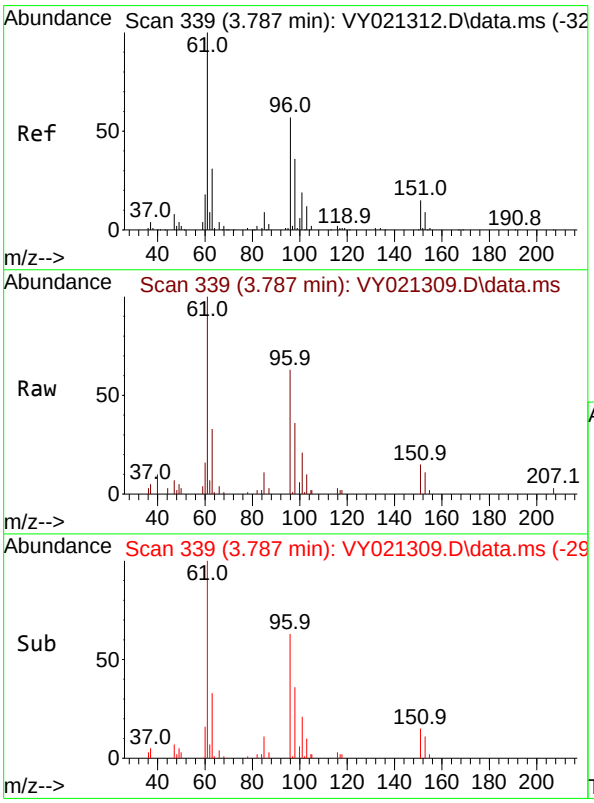
#11
Tert butyl alcohol
Concen: 33.345 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 5165

Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.3	12.5#

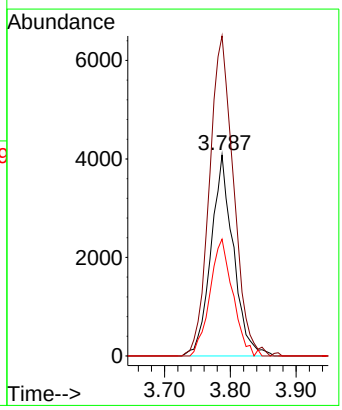


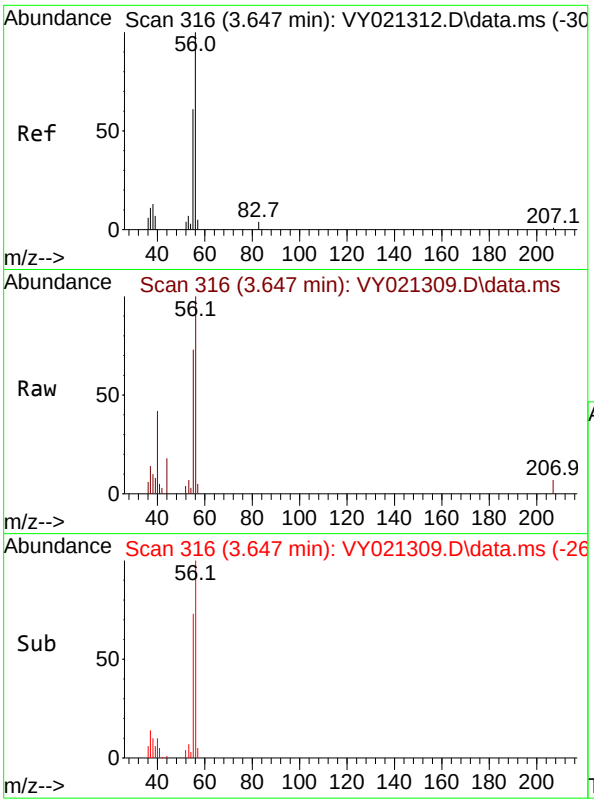


#12
1,1-Dichloroethene
Concen: 5.415 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 9671

Ion	Ratio	Lower	Upper
96	100		
61	159.2	139.7	209.5
98	58.1	49.7	74.5



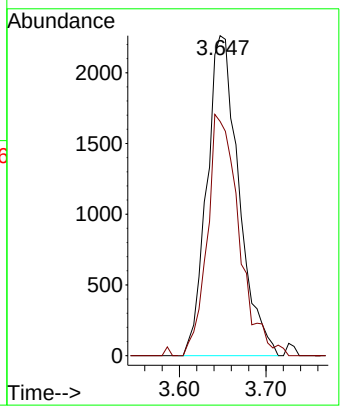


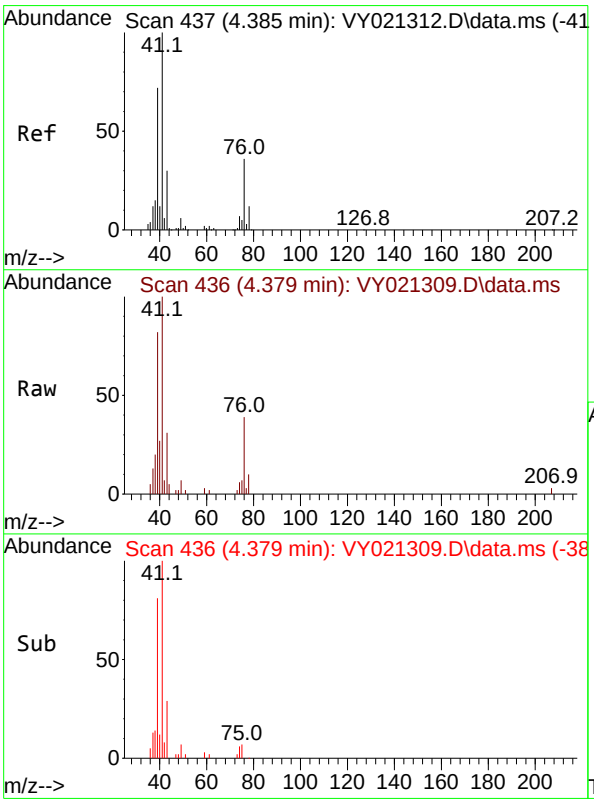
#13
Acrolein
Concen: 48.848 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 5798

Ion	Ratio	Lower	Upper
56	100		
55	74.8	59.0	88.6

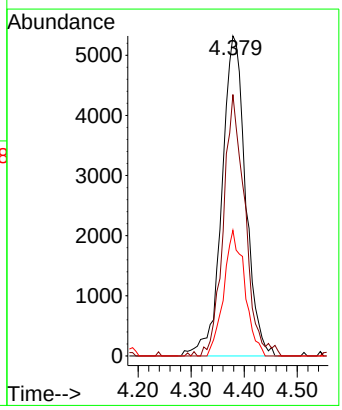


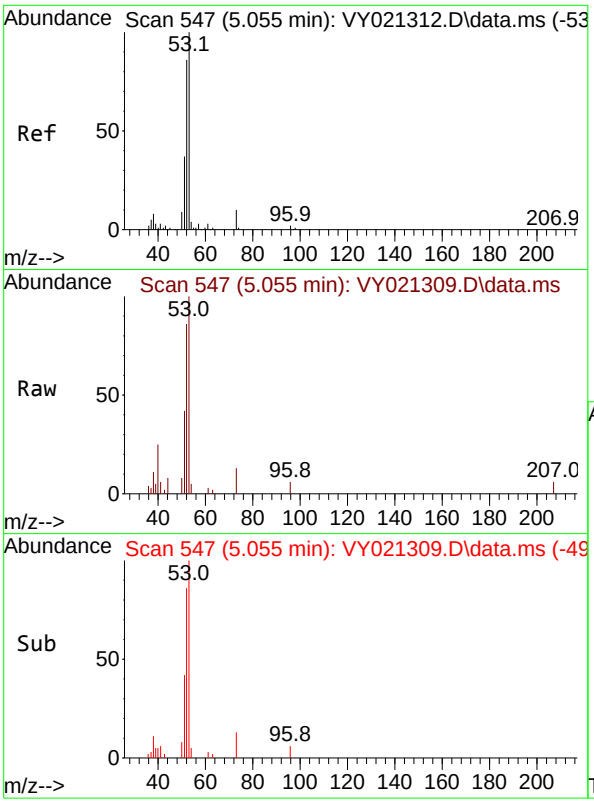


#14
Allyl chloride
Concen: 5.210 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 16498

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	34.9	29.0	43.6



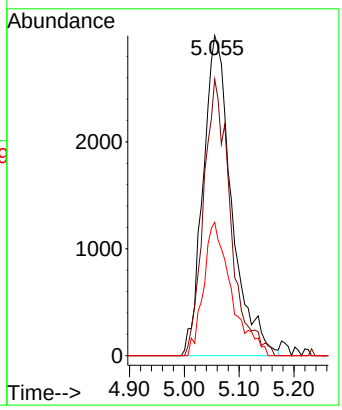


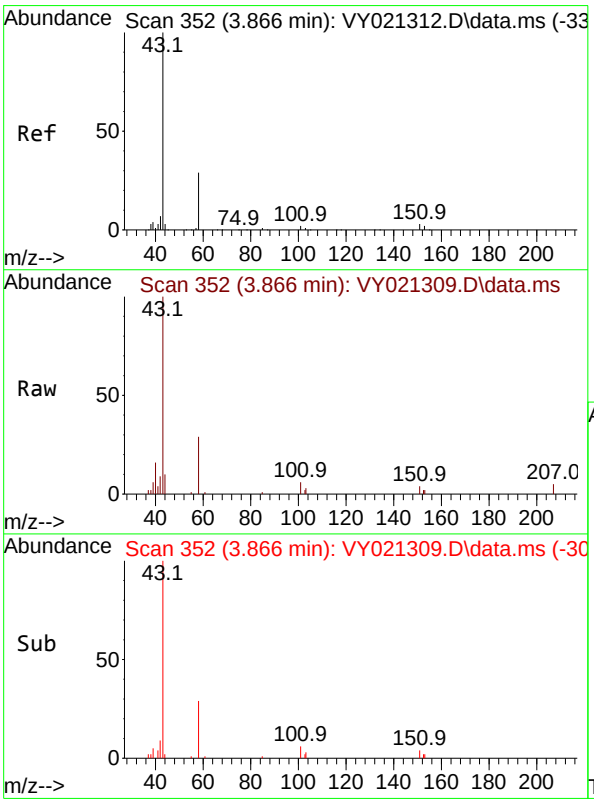
#15
Acrylonitrile
Concen: 25.330 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 10830

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.5	98.3
51	40.3	30.6	46.0

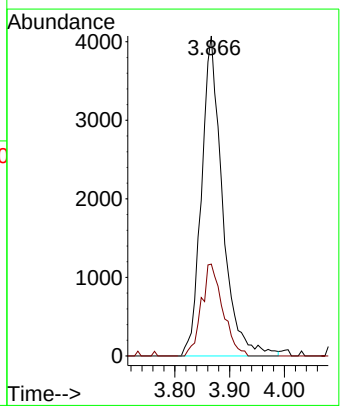


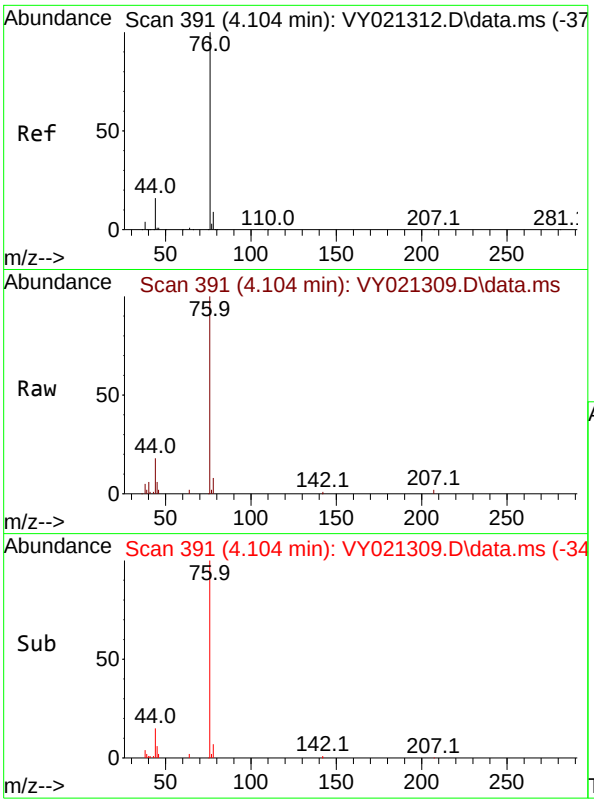


#16
Acetone
Concen: 28.018 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 10823

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3



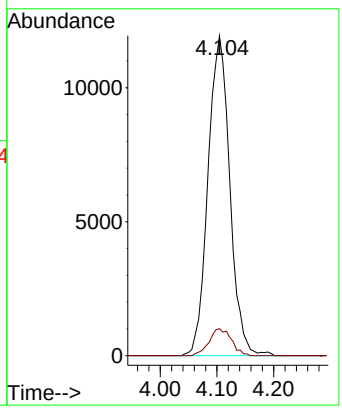


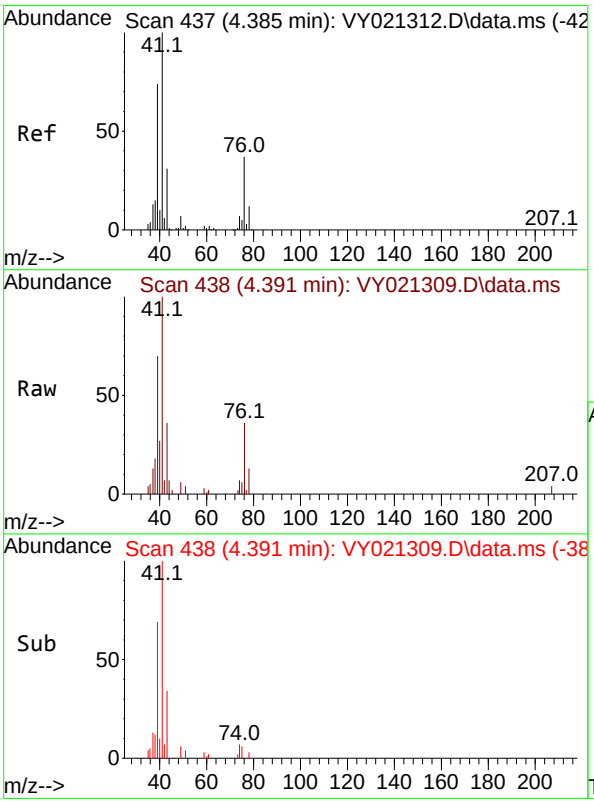
#17
Carbon Disulfide
Concen: 5.387 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 31953

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

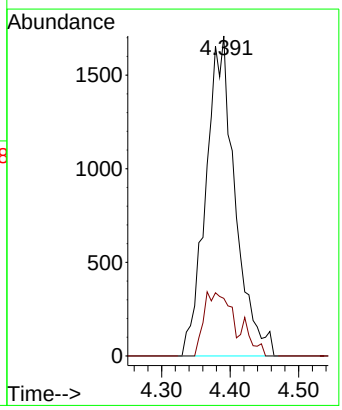


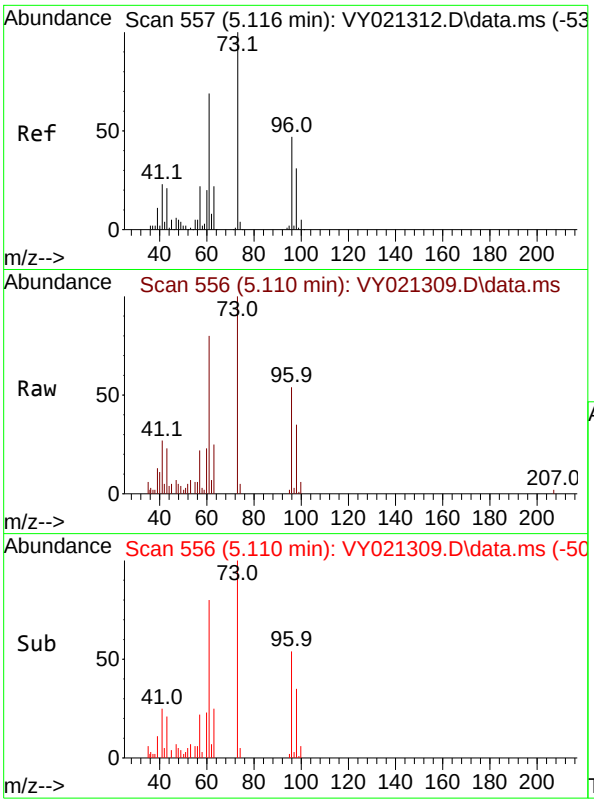


#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 5062

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.7	26.5#



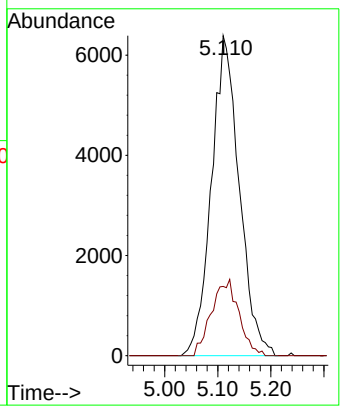


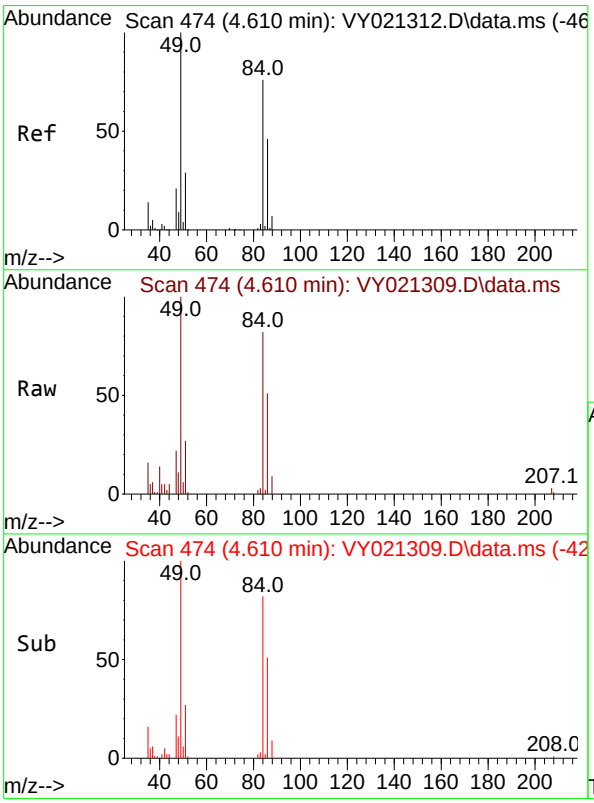
#19
Methyl tert-butyl Ether
Concen: 4.935 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 23290

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

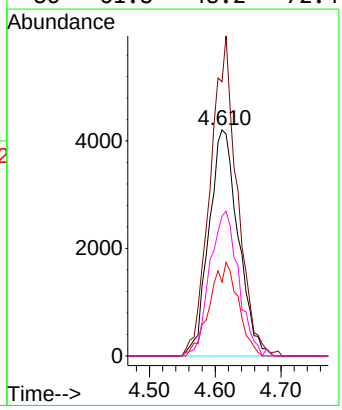


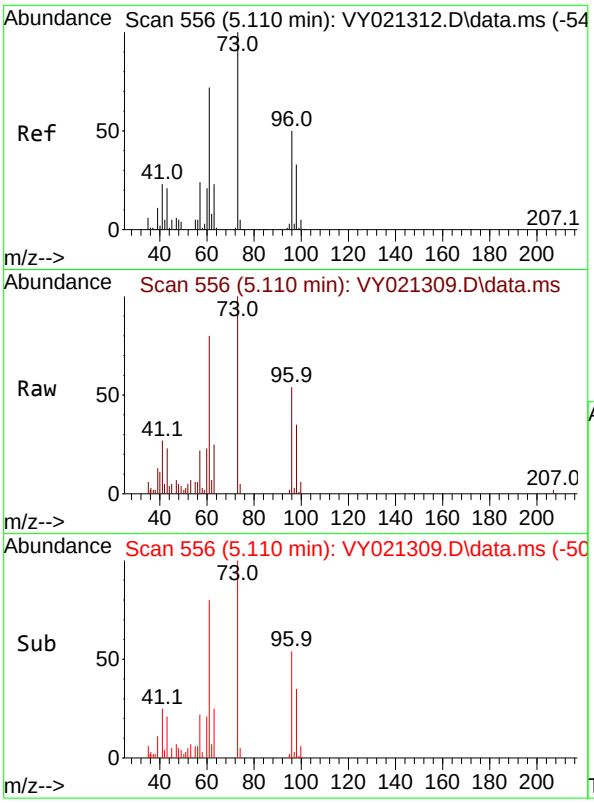


#20
Methylene Chloride
Concen: 6.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 84 Resp: 13003

Ion	Ratio	Lower	Upper
84	100		
49	121.3	105.1	157.7
51	32.7	31.0	46.4
86	61.8	48.2	72.4



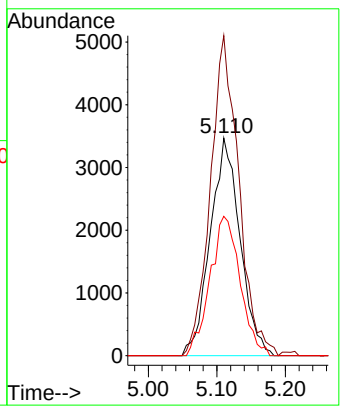


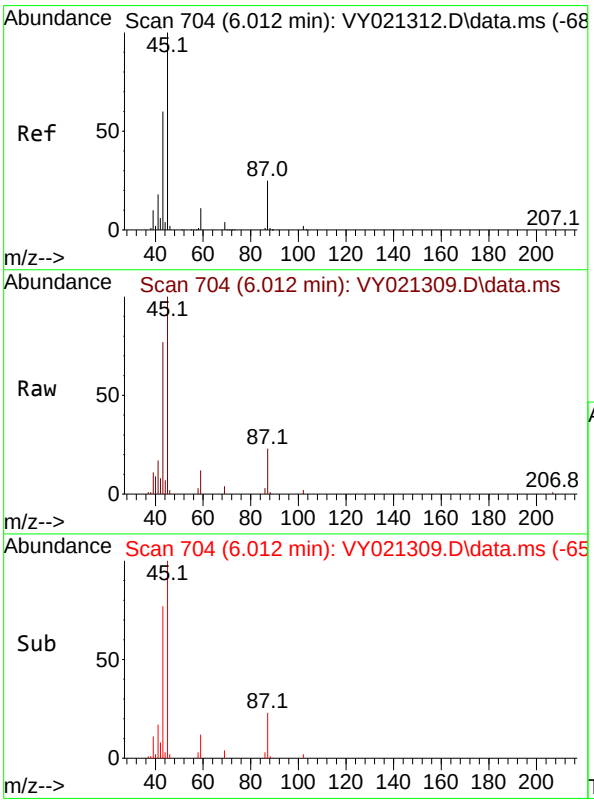
#21
trans-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10455

Ion	Ratio	Lower	Upper
96	100		
61	147.0	116.3	174.5
98	64.0	52.6	78.8

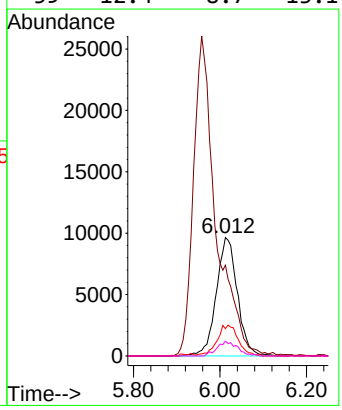


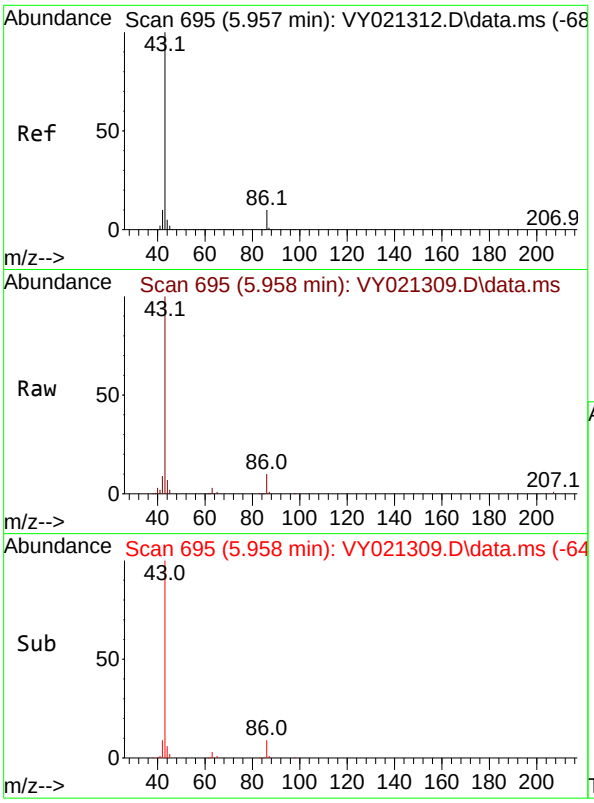


#22
Diisopropyl ether
Concen: 4.981 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 45 Resp: 32640

Ion	Ratio	Lower	Upper
45	100		
43	75.5	48.2	72.4#
87	23.1	20.3	30.5
59	12.4	8.7	13.1



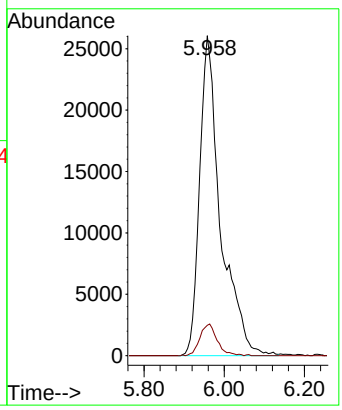


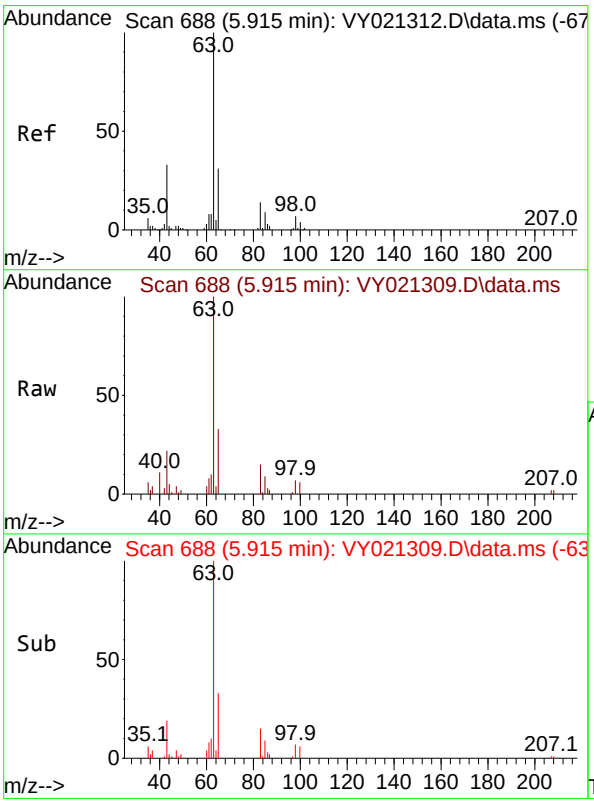
#23
Vinyl Acetate
Concen: 24.067 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 94244

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0

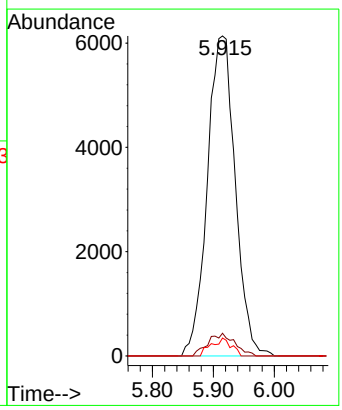


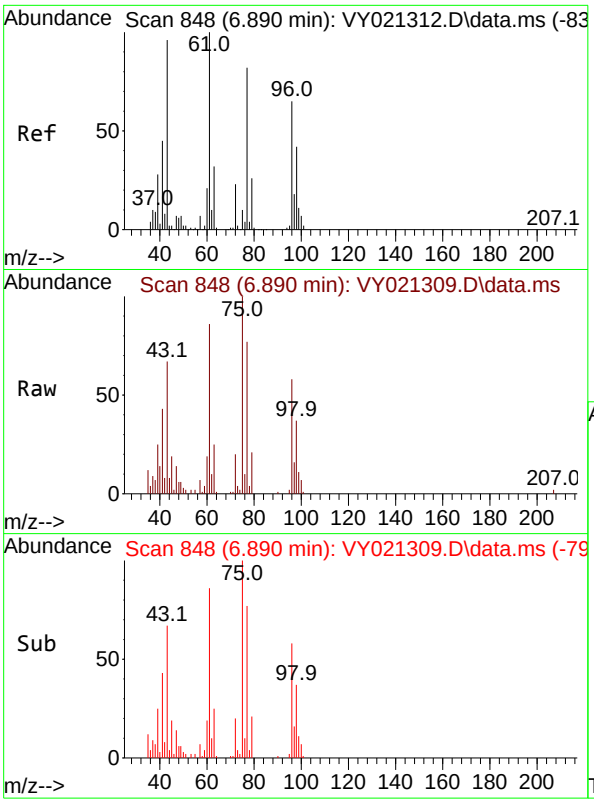


#24
1,1-Dichloroethane
Concen: 5.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 19538

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	5.6	2.1	6.5



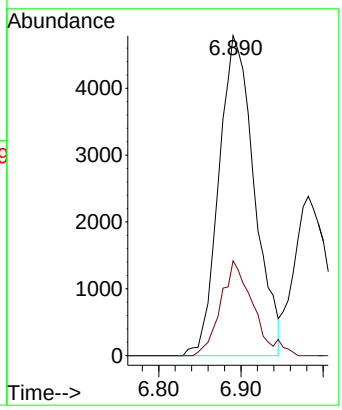


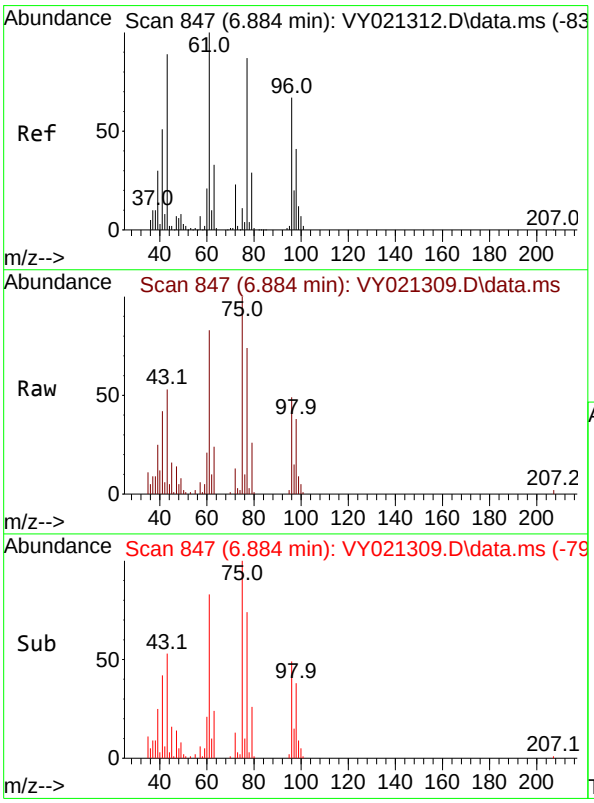
#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 14341

Ion	Ratio	Lower	Upper
43	100		
72	29.6	19.0	28.6#

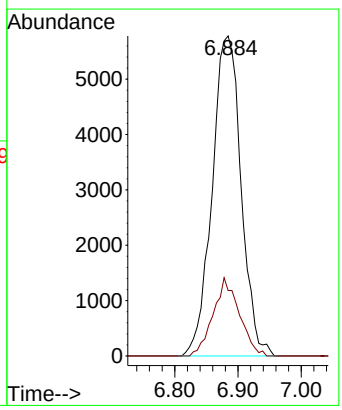


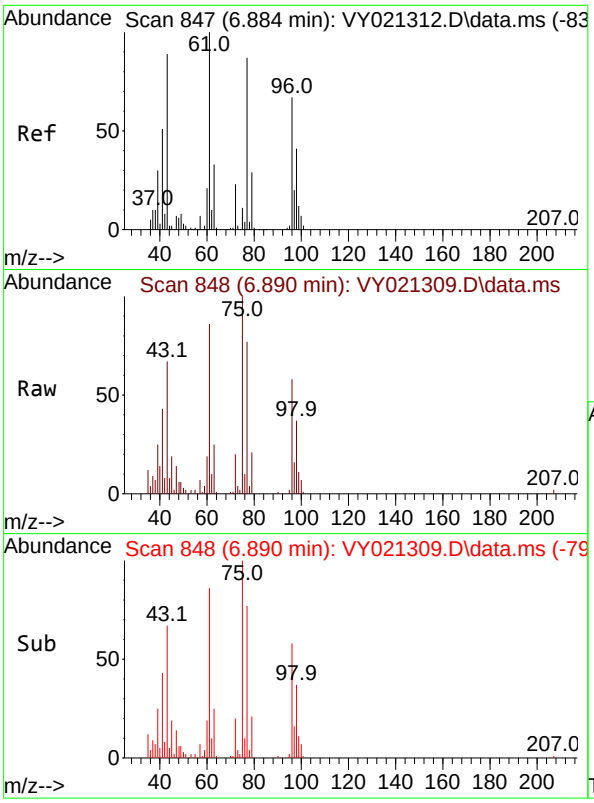


#26
2,2-Dichloropropane
Concen: 5.488 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 77 Resp: 18391

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



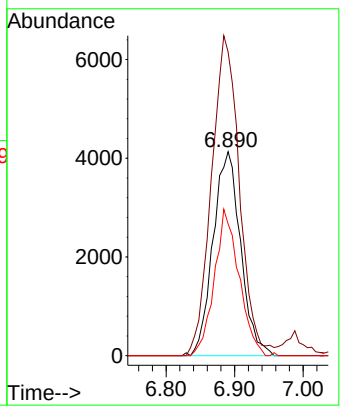


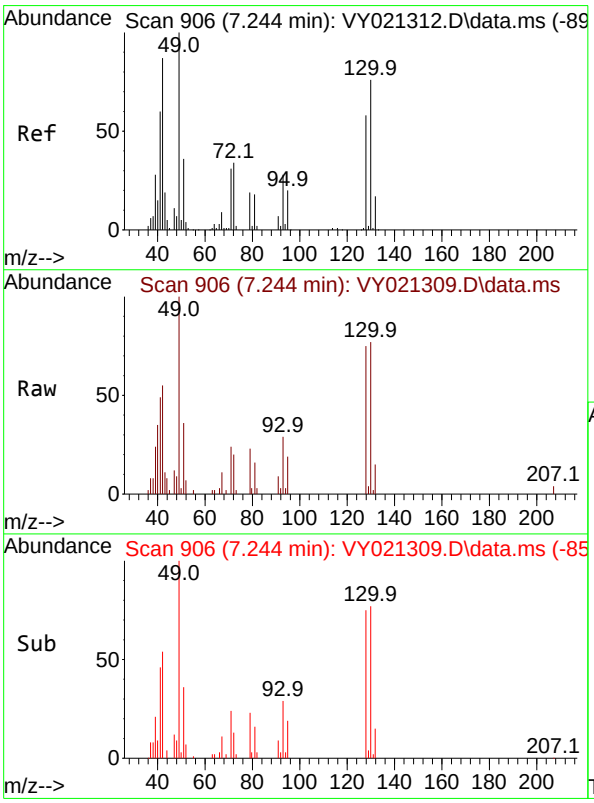
#27
cis-1,2-Dichloroethene
Concen: 5.132 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11522

Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	308.0
98	64.2	0.0	129.6

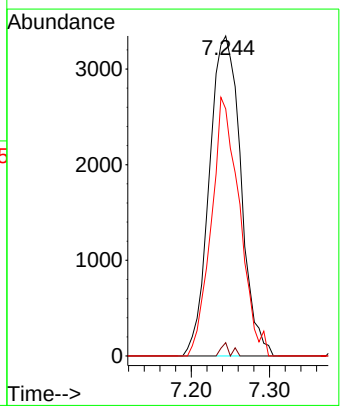


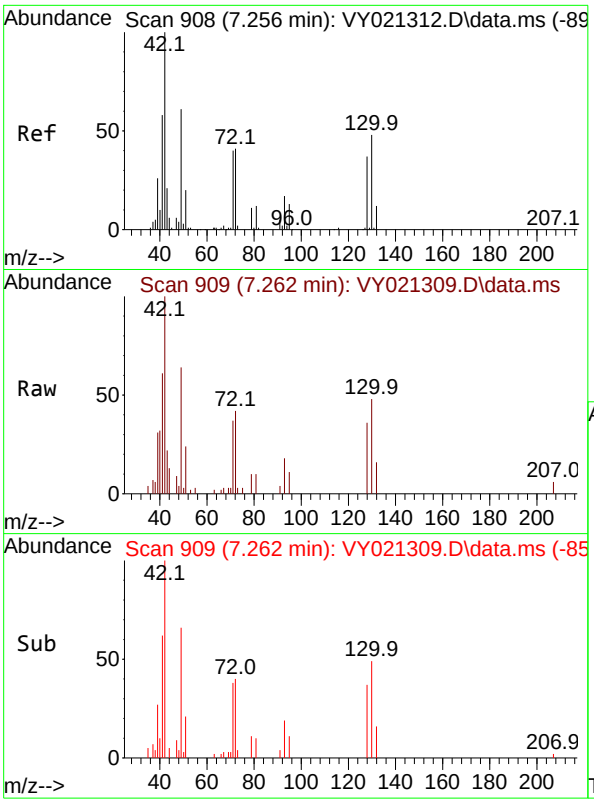


#28
Bromochloromethane
Concen: 5.702 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 49 Resp: 9318

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	72.6	57.8	86.6



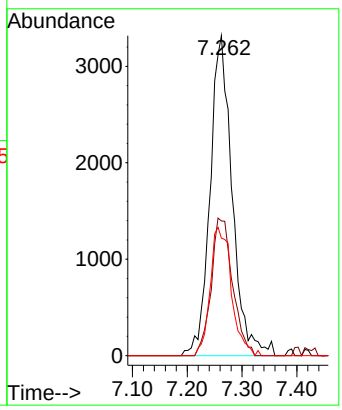


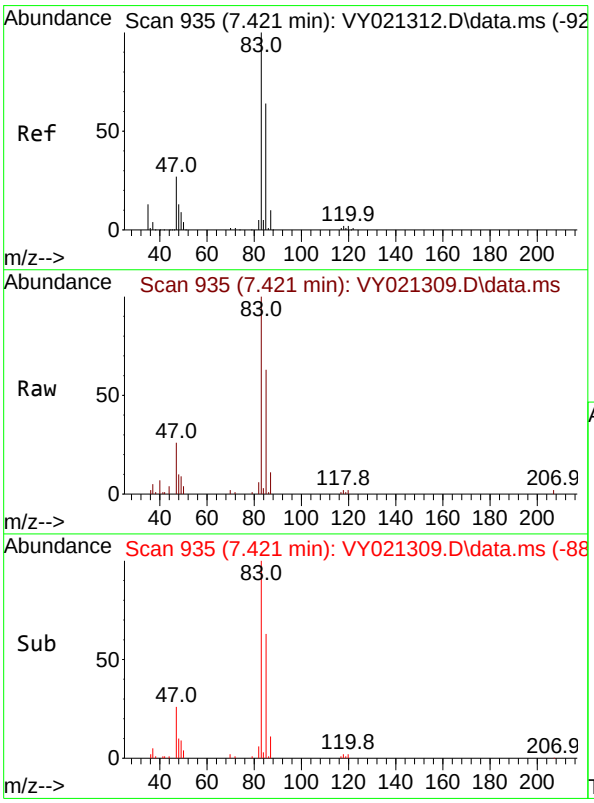
#29
Tetrahydrofuran
Concen: 24.455 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 9319

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	38.3	31.4	47.0

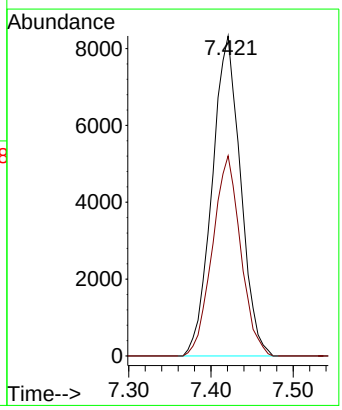


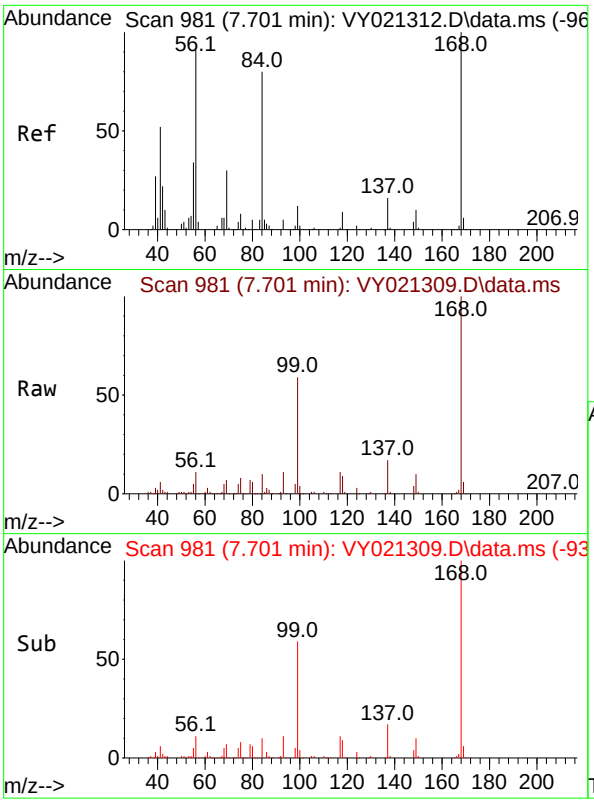


#30
Chloroform
Concen: 5.351 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 20025

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4



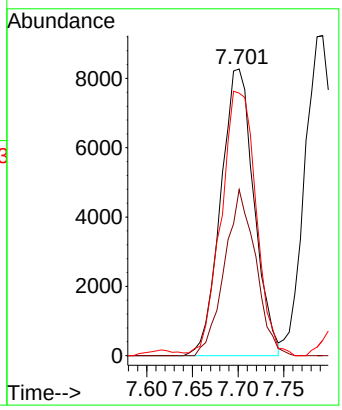


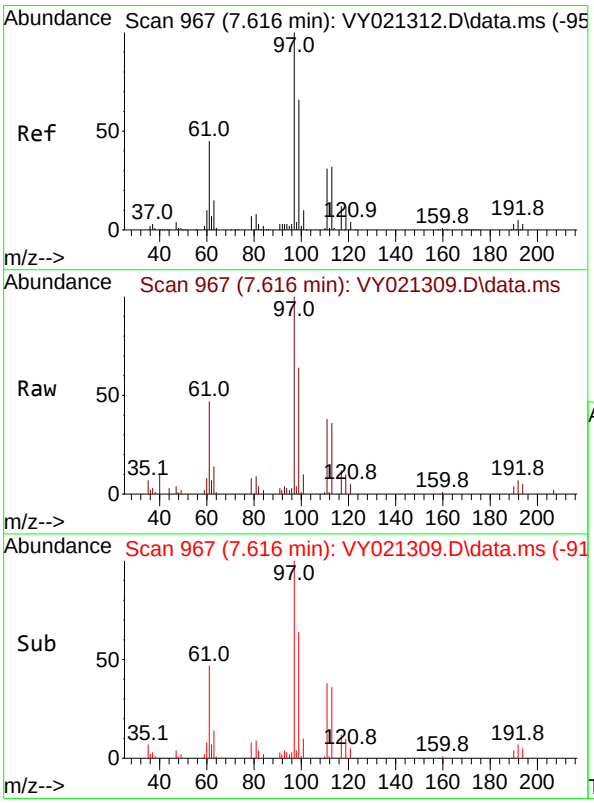
#31
Cyclohexane
Concen: 5.912 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 20990

Ion	Ratio	Lower	Upper
56	100		
69	57.9	26.2	39.4#
84	90.3	70.2	105.4

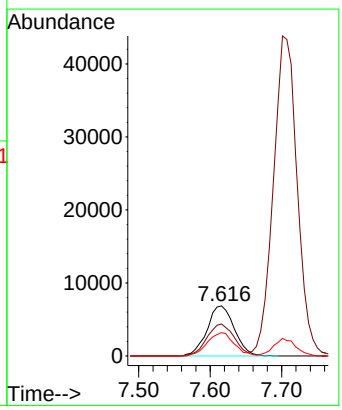


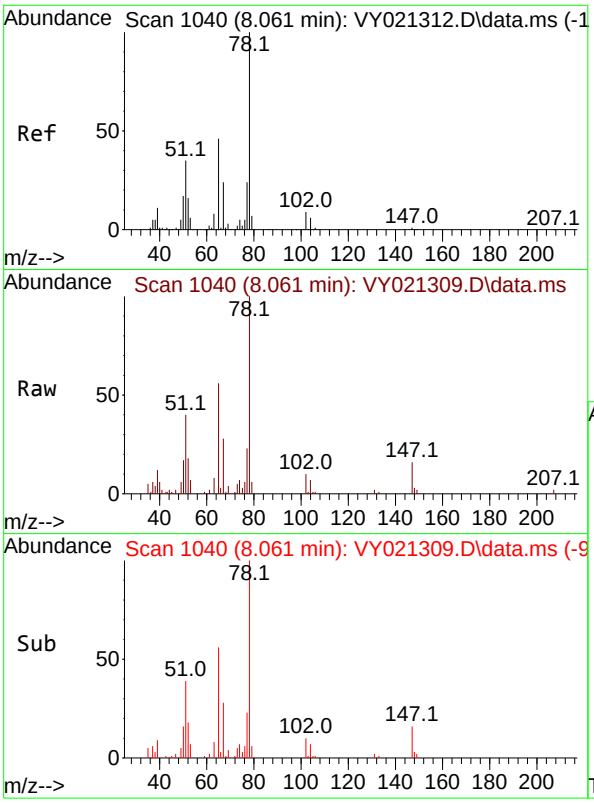


#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 18106

Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.4	78.6
61	45.7	36.2	54.2



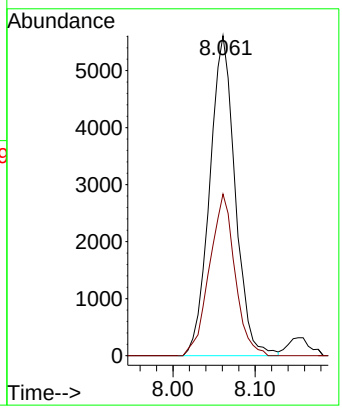


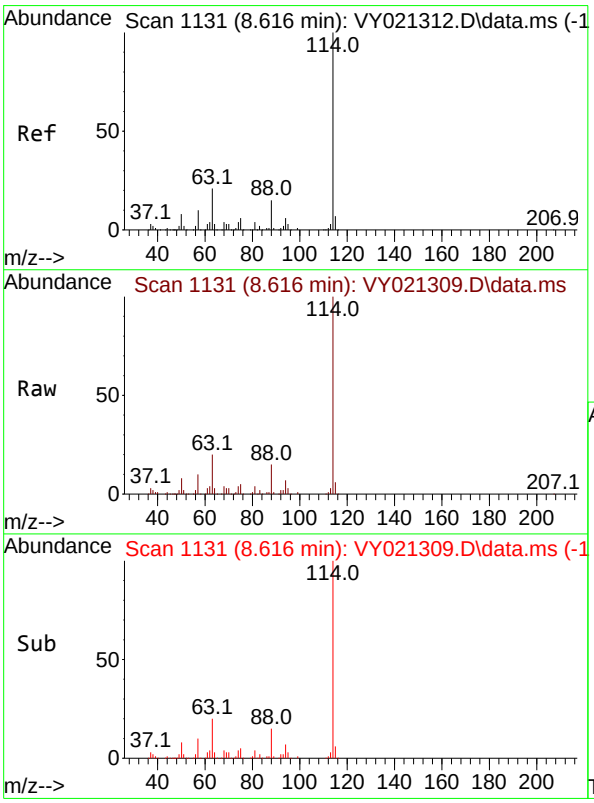
#33
1,2-Dichloroethane-d4
Concen: 6.003 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 12088

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.6

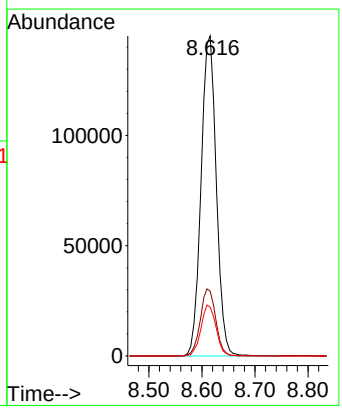


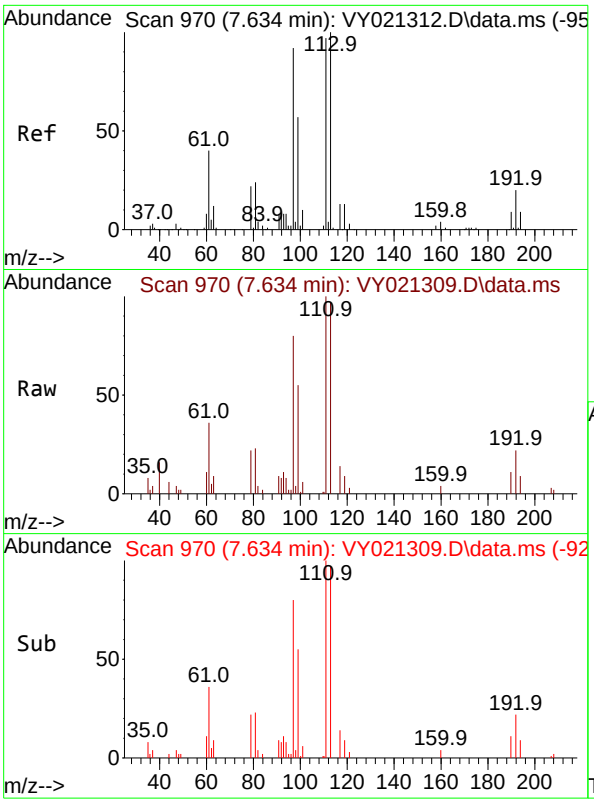


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:114 Resp: 289913

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.2
88	15.2	0.0	29.8



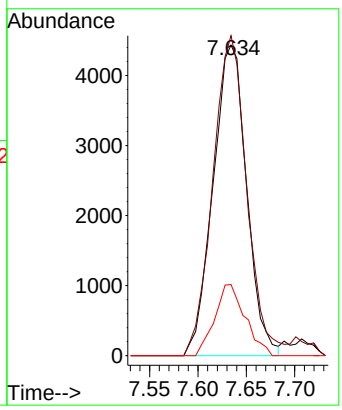


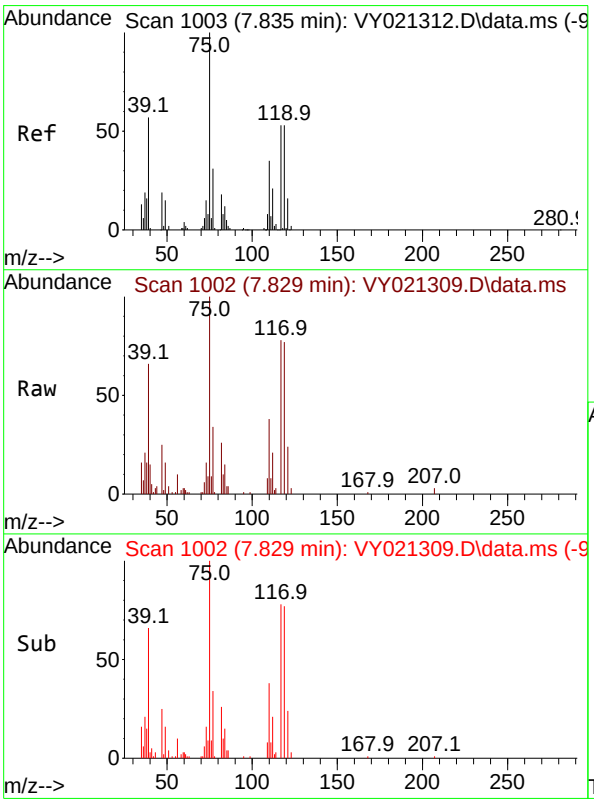
#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10715

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.0	121.6
192	20.8	15.8	23.8

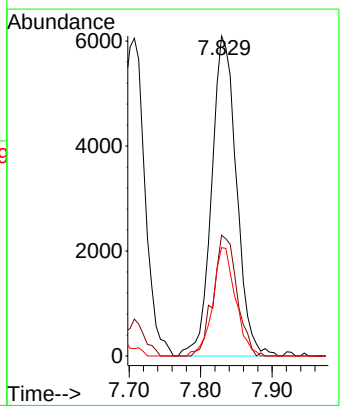


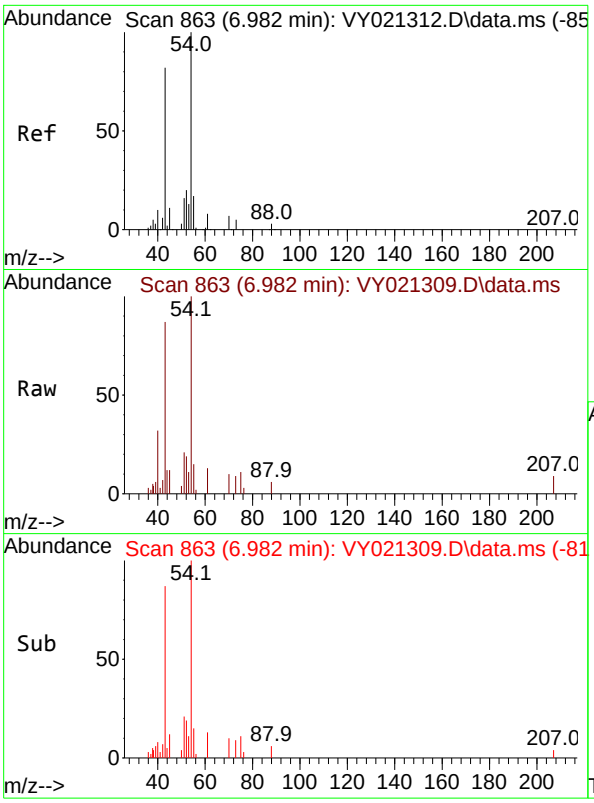


#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 14719

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.9	50.7
77	31.0	24.6	36.8



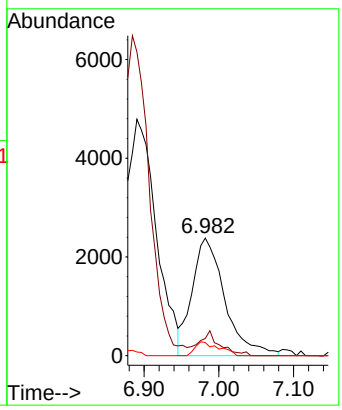


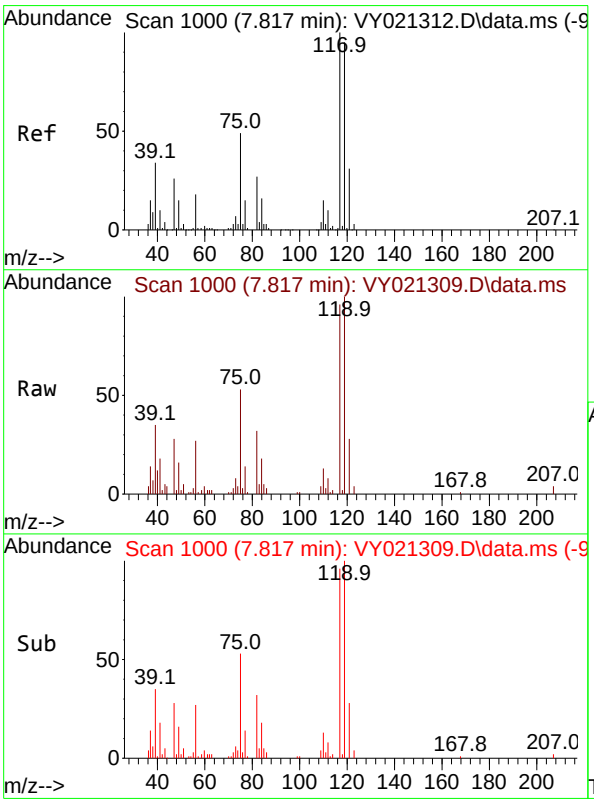
#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 7270

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	8.5	7.5	11.3

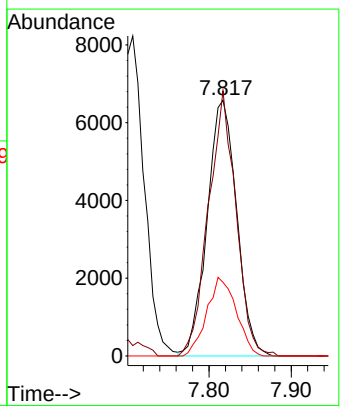


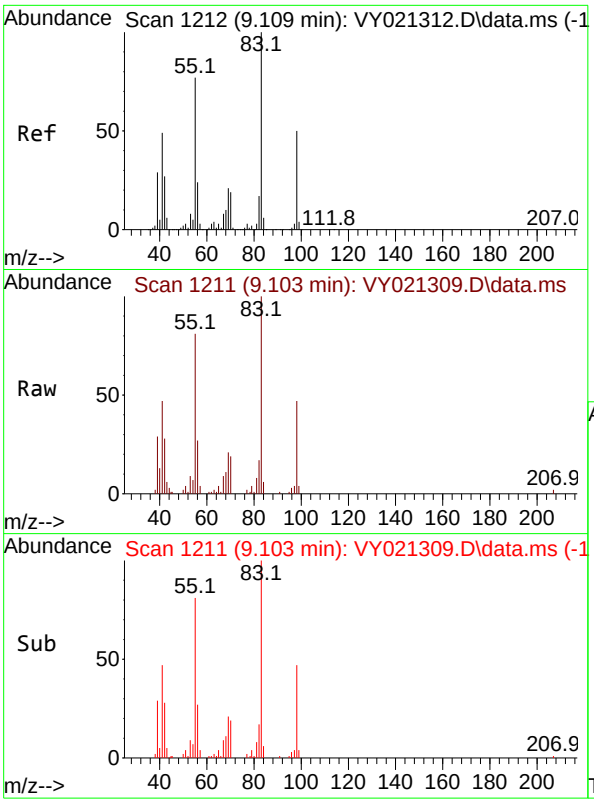


#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 16445

Ion	Ratio	Lower	Upper
117	100		
119	103.8	76.0	114.0
121	28.8	24.9	37.3



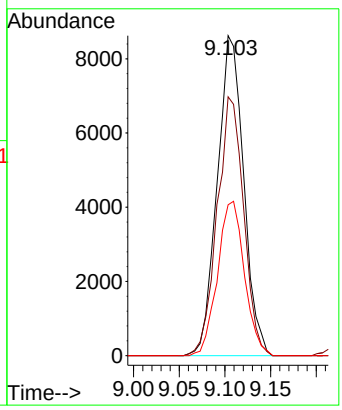


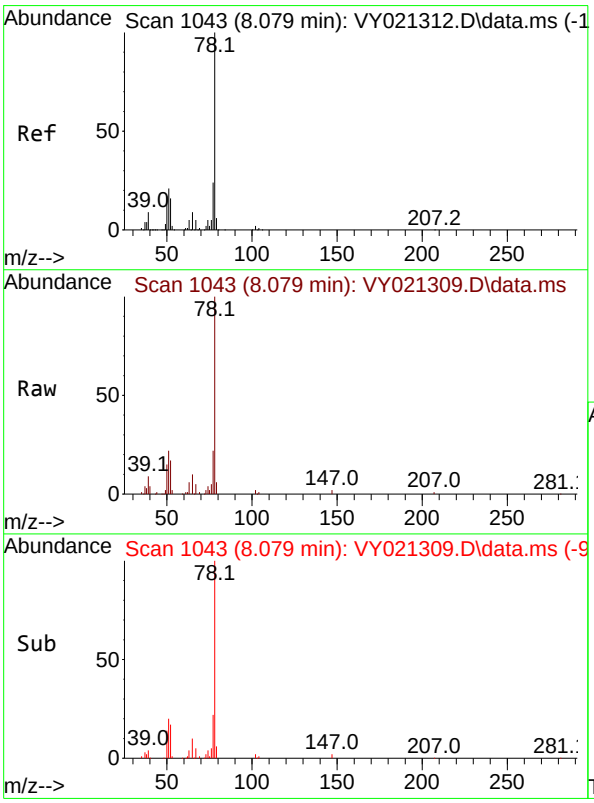
#39
Methylcyclohexane
Concen: 4.795 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 17316

Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.3	91.9
98	47.2	39.9	59.9

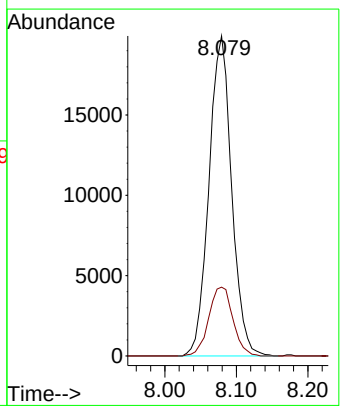


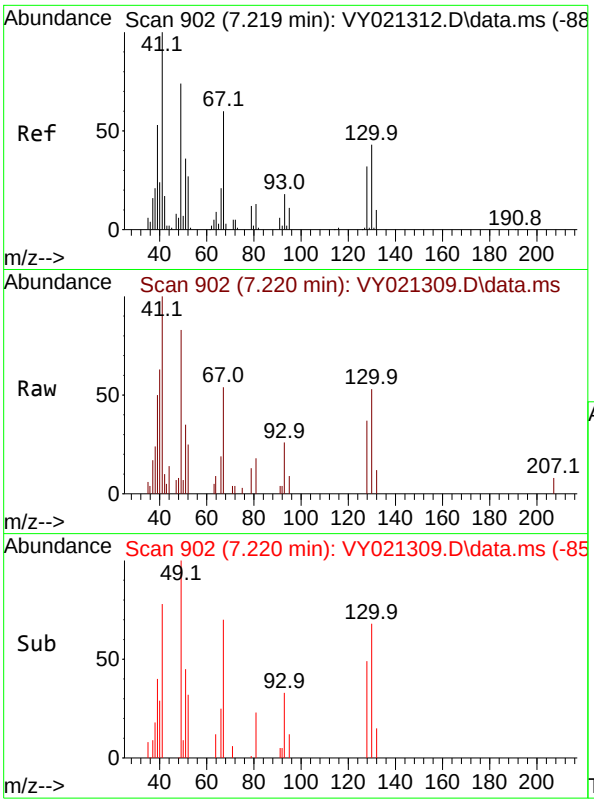


#40
Benzene
Concen: 5.203 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 78 Resp: 43912

Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.2	28.8



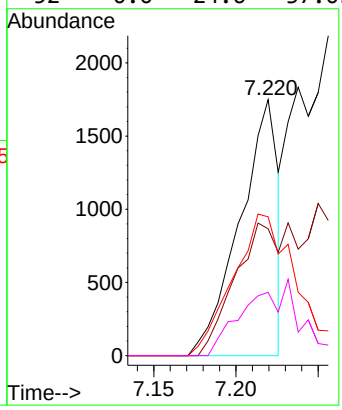


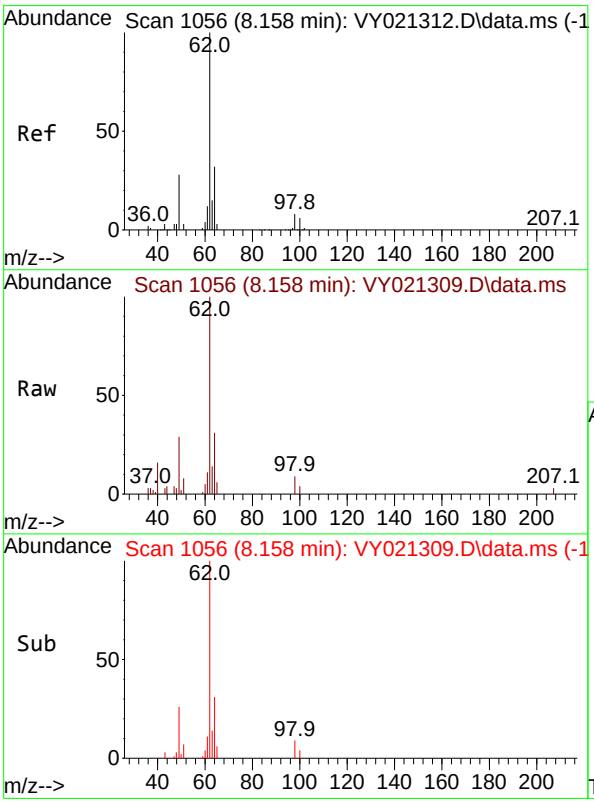
#41
Methacrylonitrile
Concen: 3.574 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 2838

Ion	Ratio	Lower	Upper
41	100		
39	58.3	42.3	63.5
67	89.5	54.8	82.2#
52	0.0	24.6	37.0#

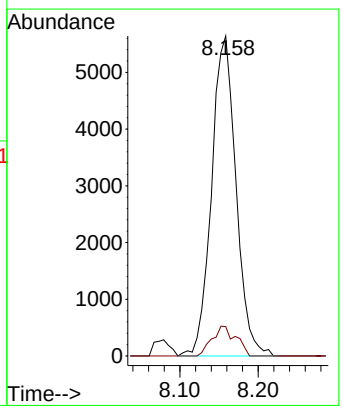


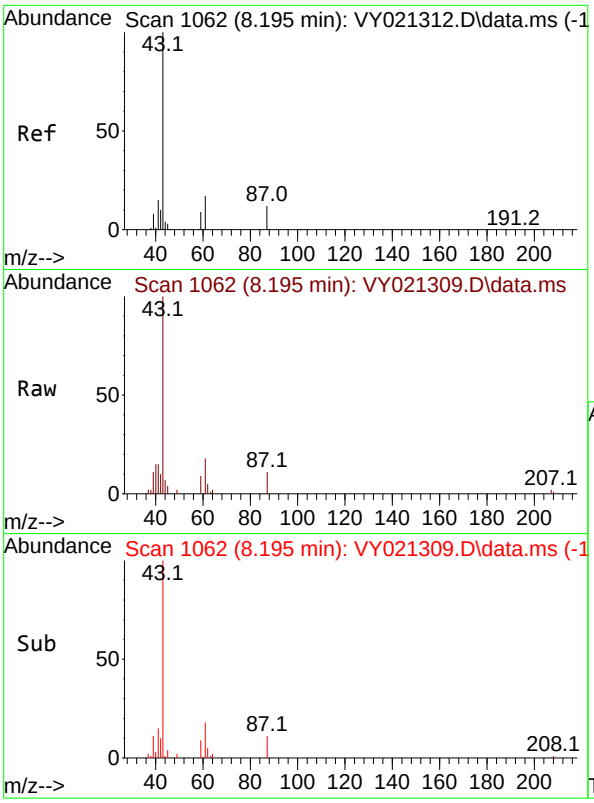


#42
1,2-Dichloroethane
Concen: 5.110 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 12236

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



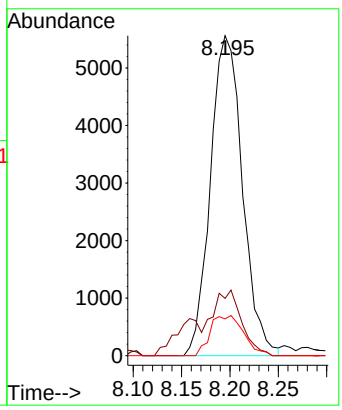


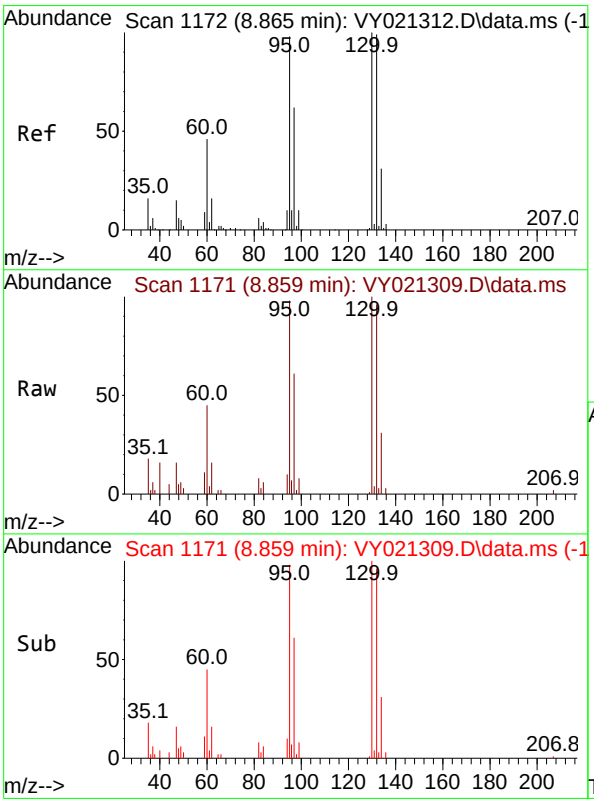
#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12832

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.6
87	13.0	10.0	15.0

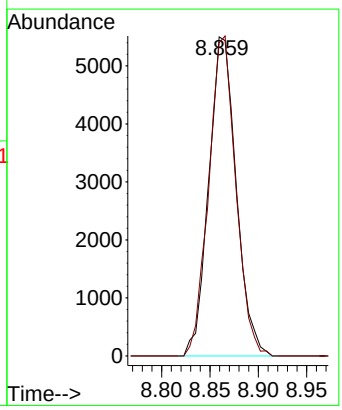


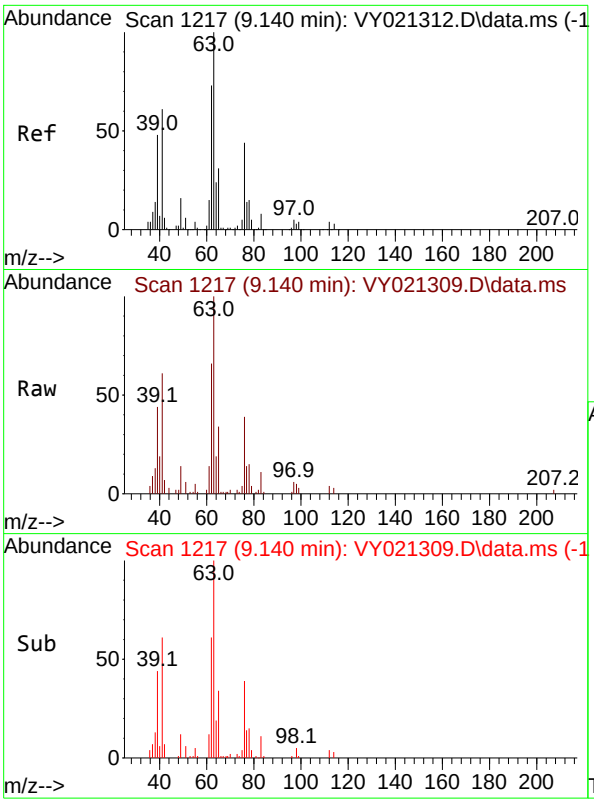


#44
Trichloroethene
Concen: 5.143 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:130 Resp: 10868

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.0



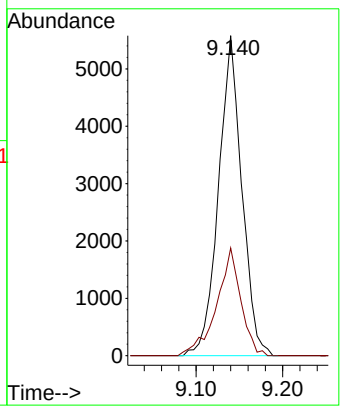


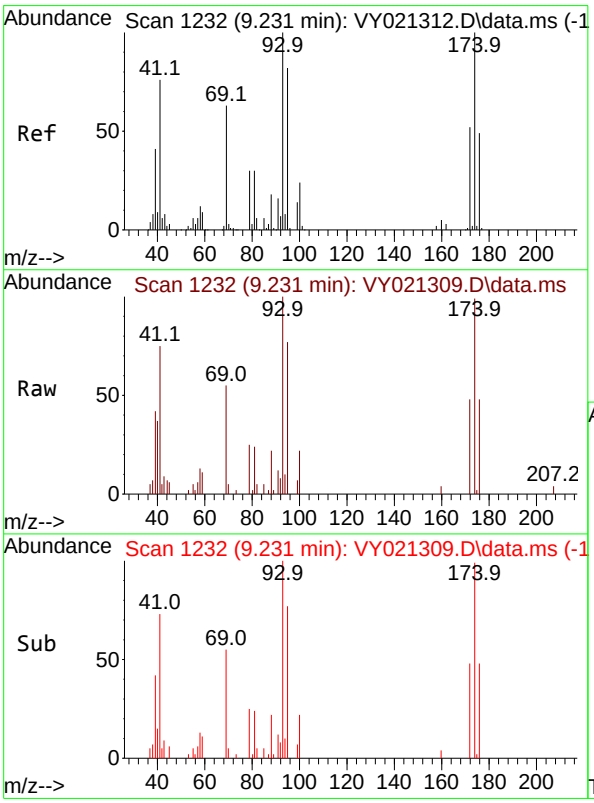
#45
1,2-Dichloropropane
Concen: 5.133 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 10426

Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	36.8

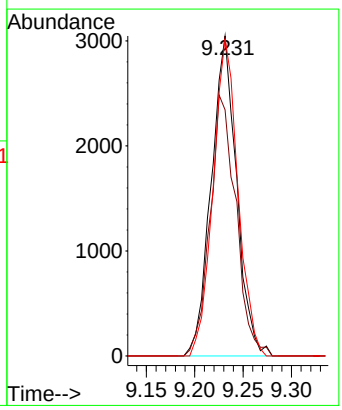


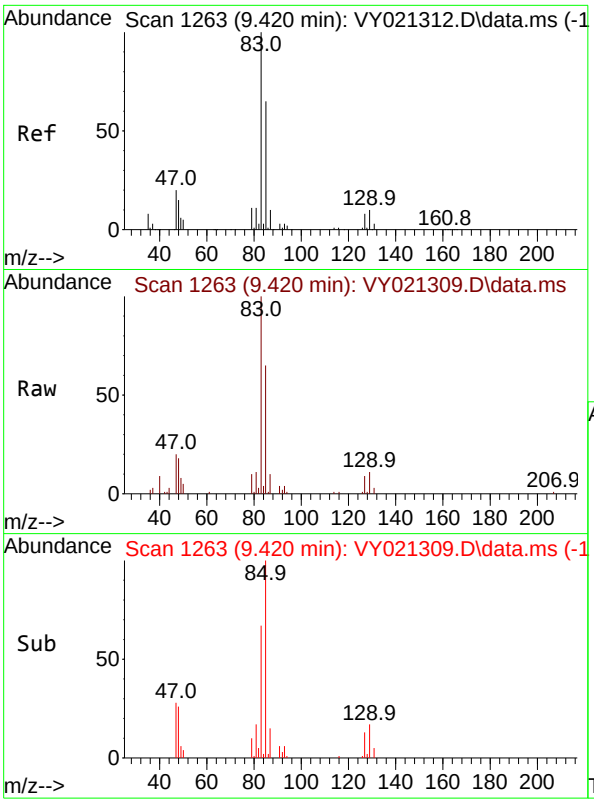


#46
Dibromomethane
Concen: 5.005 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 93 Resp: 5557

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	97.3	78.2	117.2



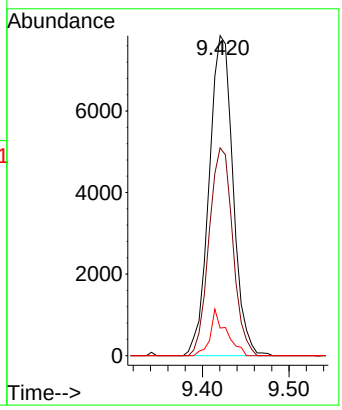


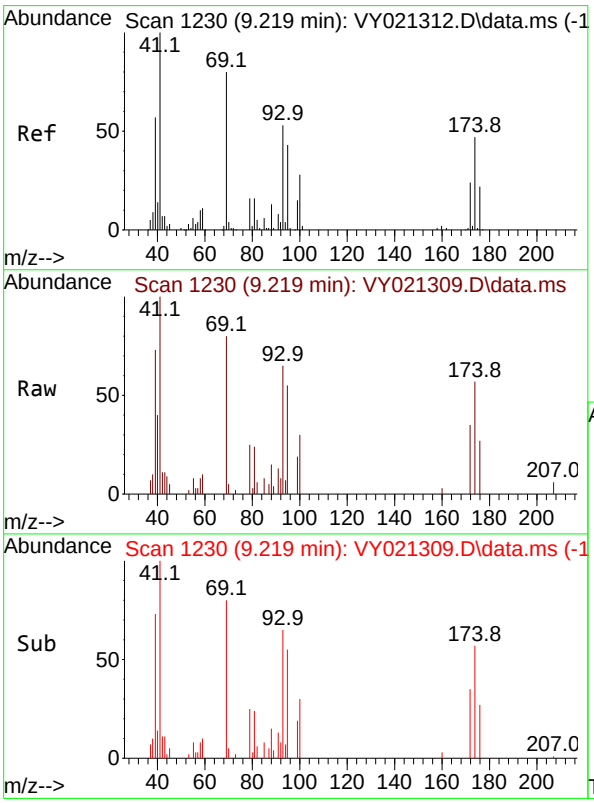
#47
Bromodichloromethane
Concen: 5.081 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15042

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	8.7	6.7	10.1

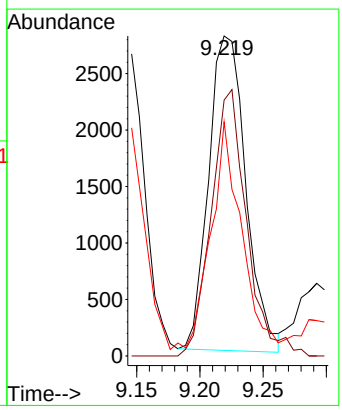


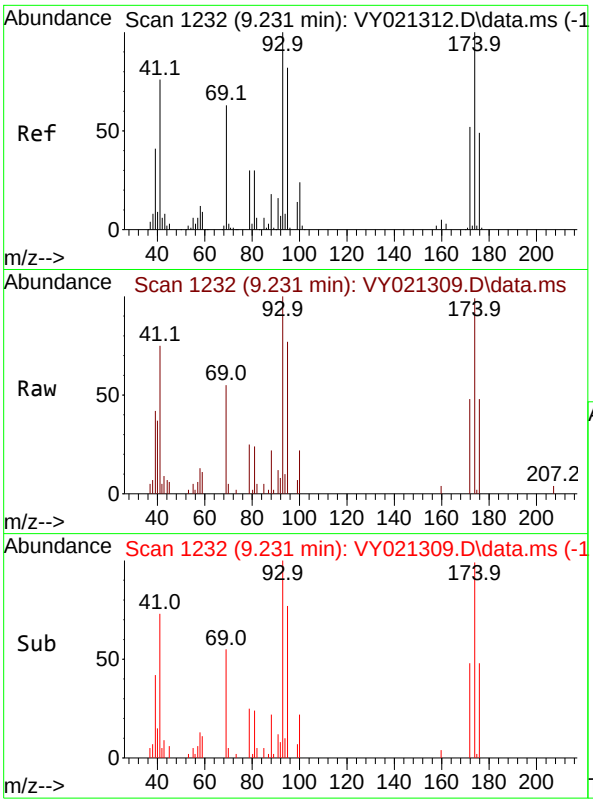


#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 5698

Ion	Ratio	Lower	Upper
41	100		
69	80.6	63.3	94.9
39	62.7	45.0	67.6



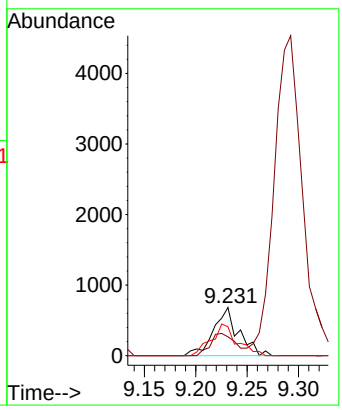


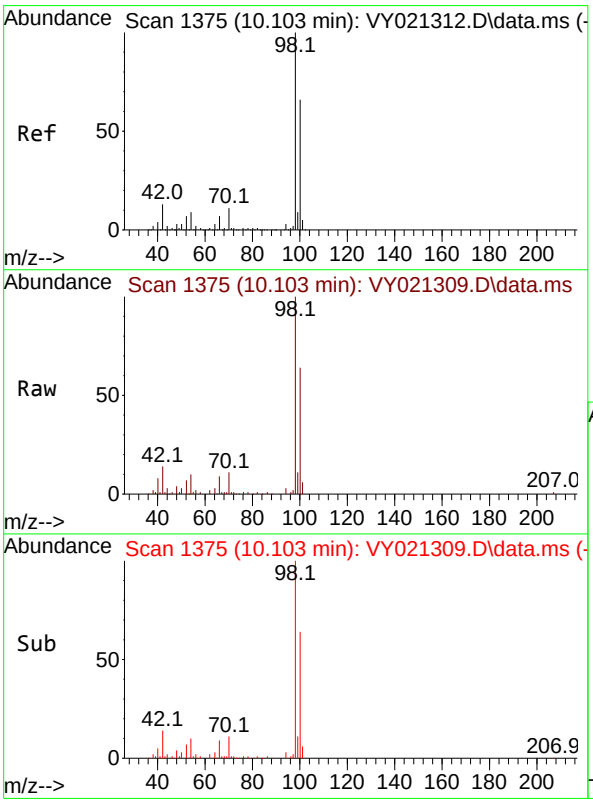
#49
1,4-Dioxane
Concen: 94.292 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1164

Ion	Ratio	Lower	Upper
88	100		
43	43.6	34.8	52.2
58	67.1	59.8	89.6

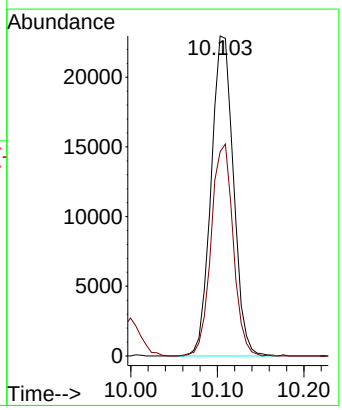


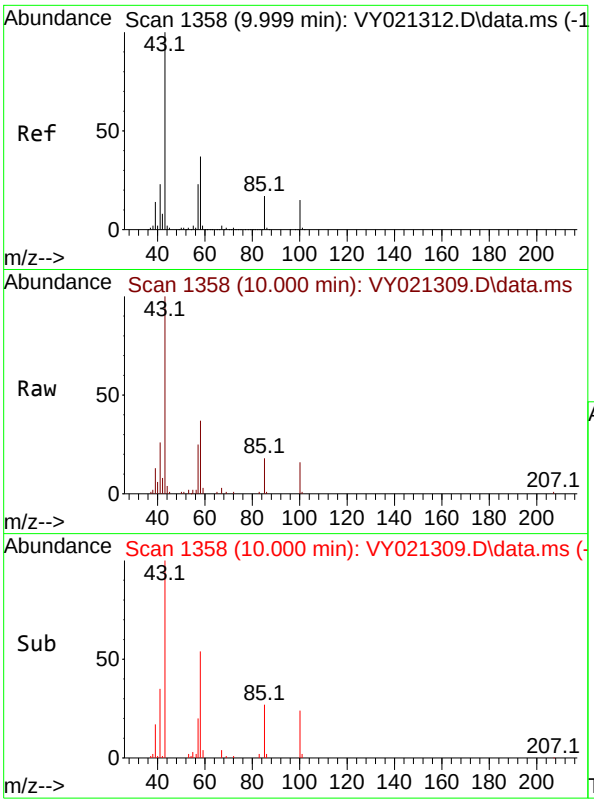


#50
Toluene-d8
Concen: 5.603 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 98 Resp: 41158

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6



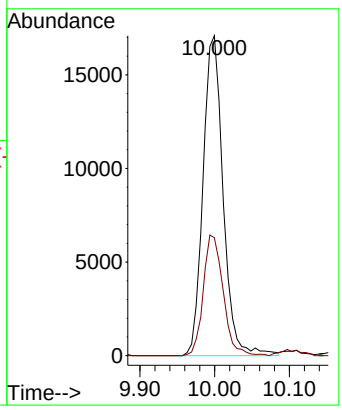


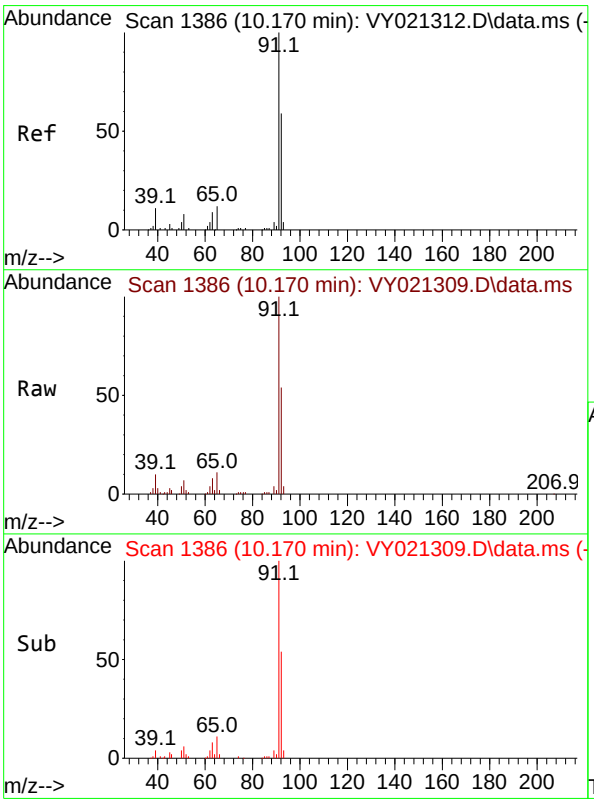
#51
4-Methyl-2-Pentanone
Concen: 22.677 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31910

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1

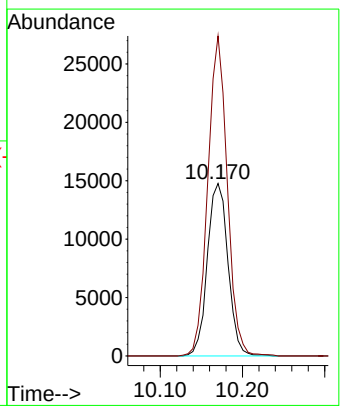


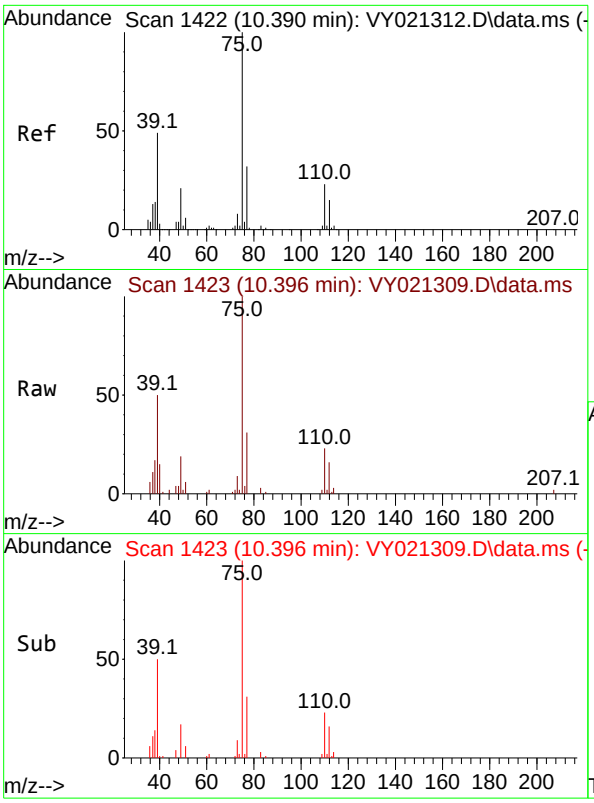


#52
Toluene
Concen: 4.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 92 Resp: 25715

Ion	Ratio	Lower	Upper
92	100		
91	175.2	137.8	206.8



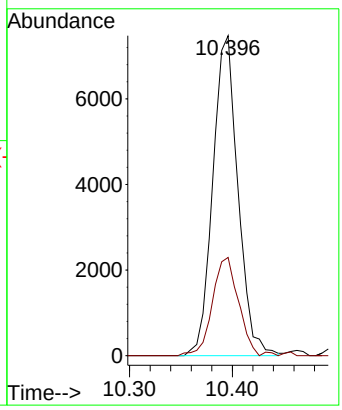


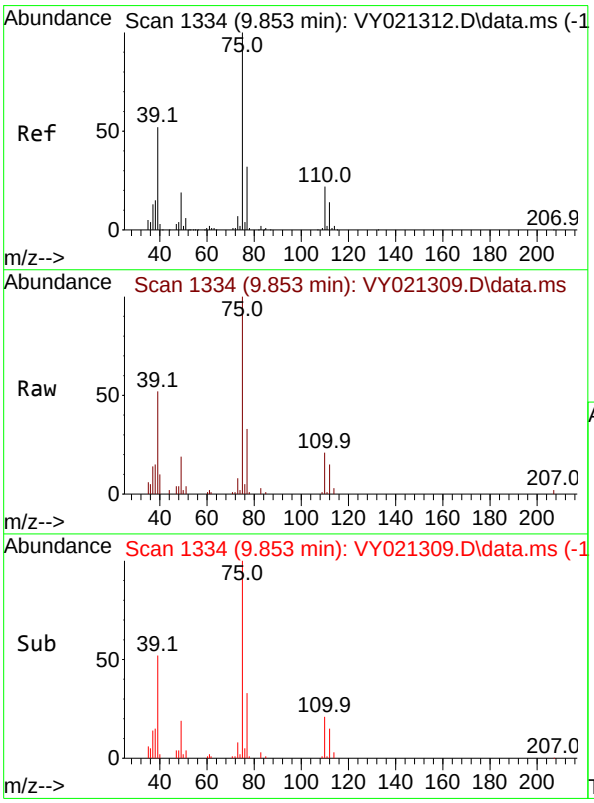
#53
t-1,3-Dichloropropene
Concen: 4.682 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 12697

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

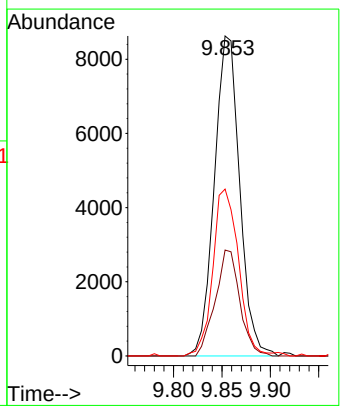


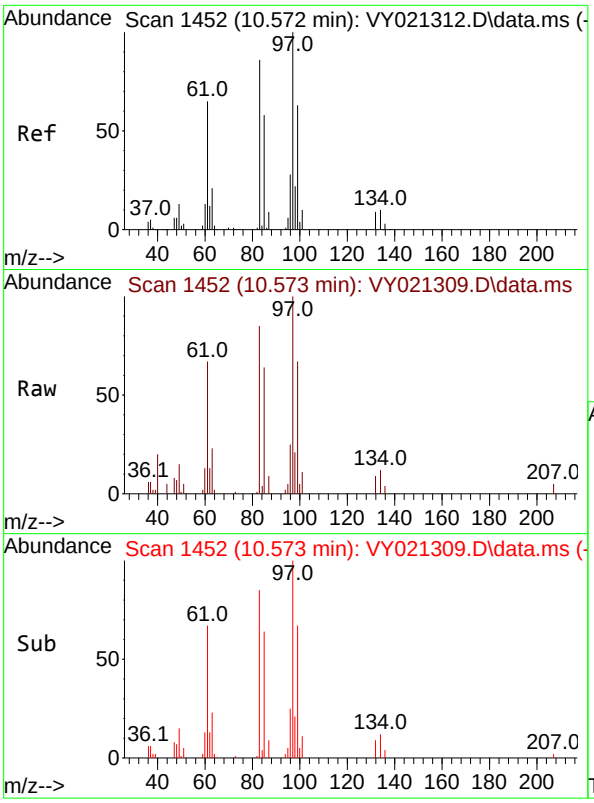


#54
cis-1,3-Dichloropropene
Concen: 4.899 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 15685

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
39	52.2	41.8	62.6



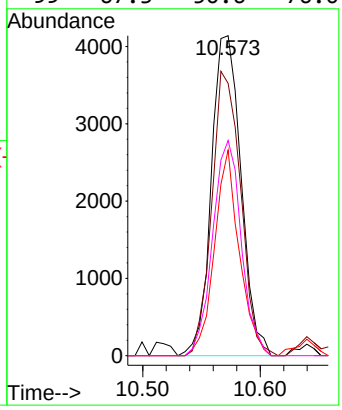


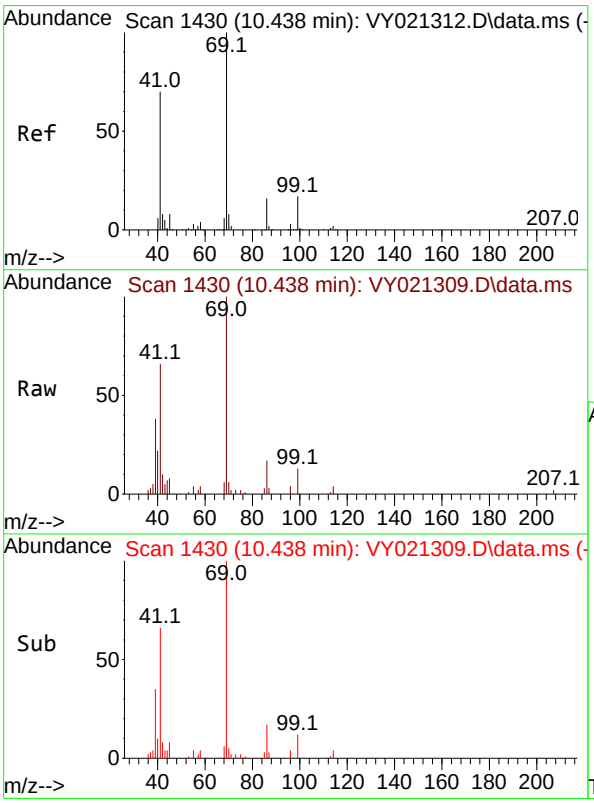
#55
1,1,2-Trichloroethane
Concen: 5.019 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 7259

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.7	103.1
85	64.3	46.3	69.5
99	67.3	50.6	76.0

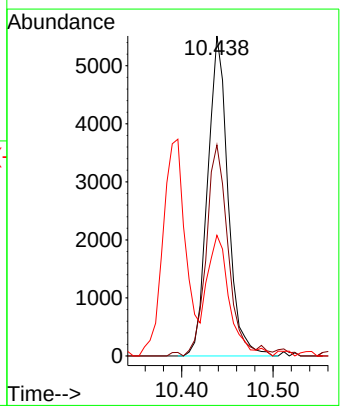


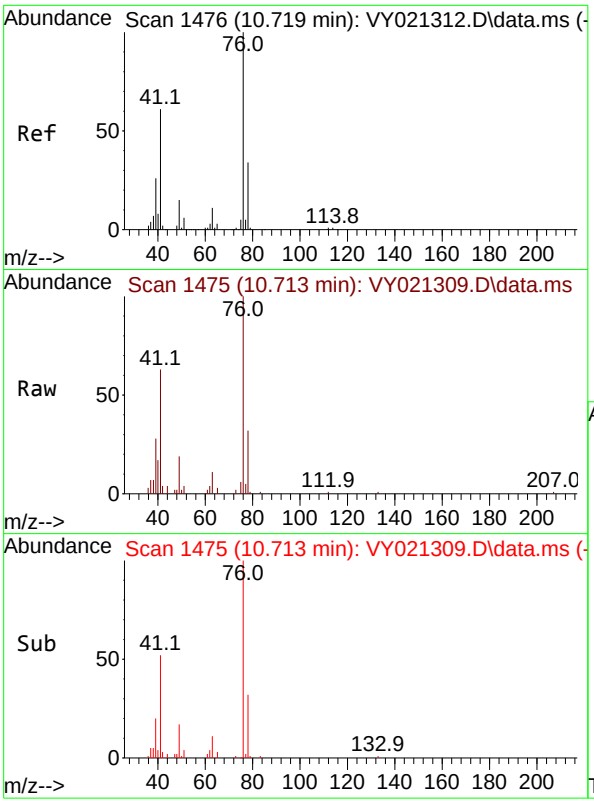


#56
Ethyl methacrylate
Concen: 4.267 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 69 Resp: 8528

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.2	84.4
39	40.8	32.7	49.1



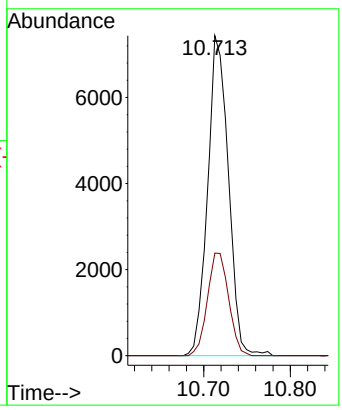


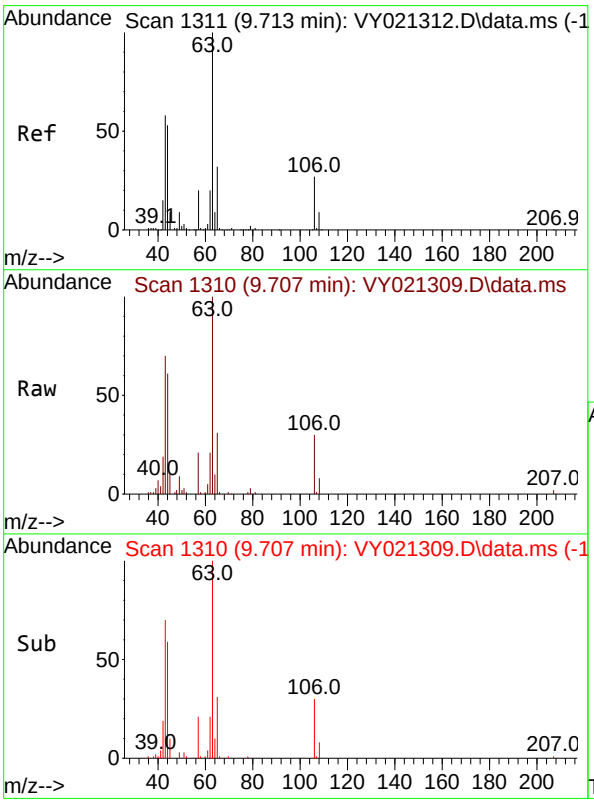
#57
1,3-Dichloropropane
Concen: 4.880 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12384

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

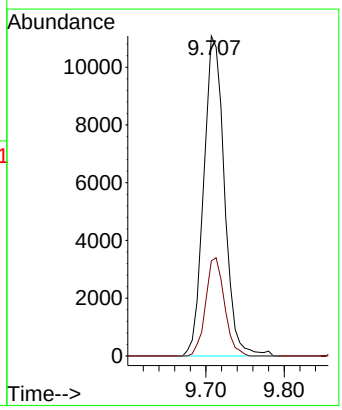


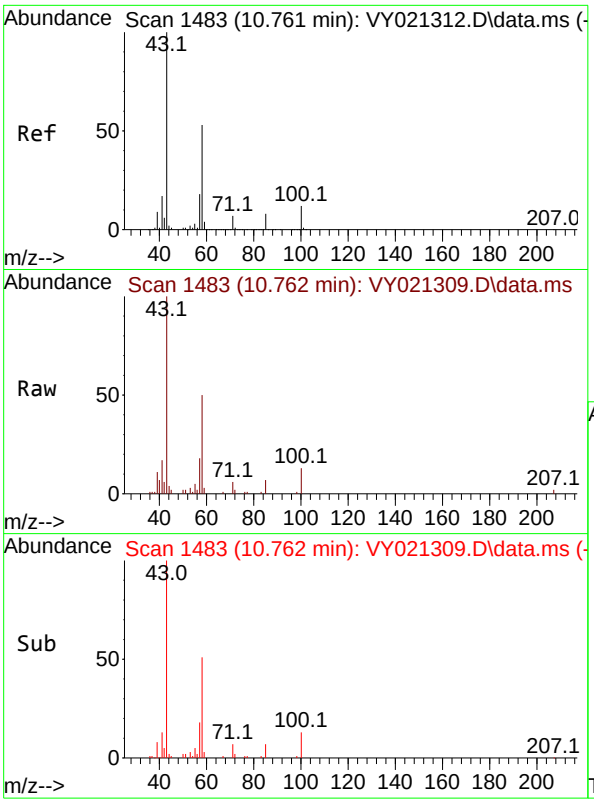


#58
2-Chloroethyl Vinyl ether
Concen: 21.153 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 20290

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.7	32.5



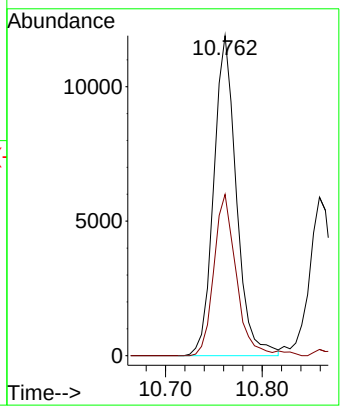


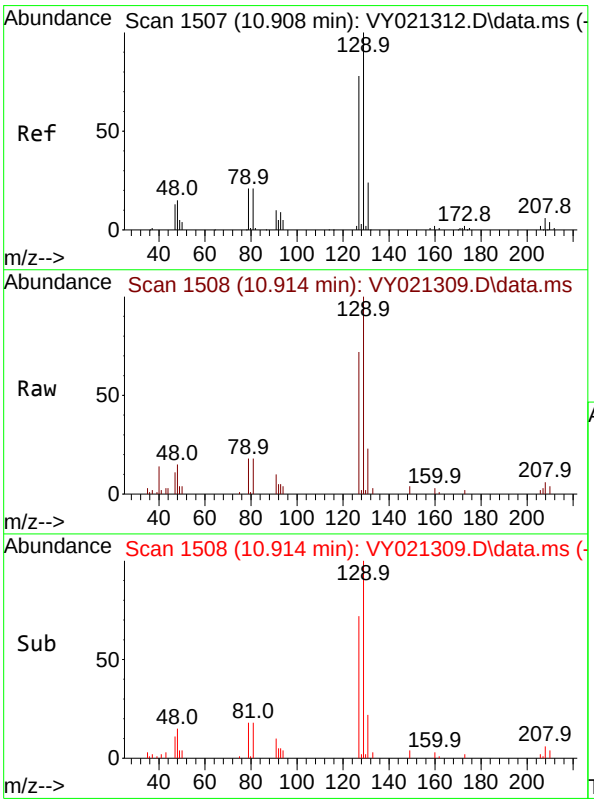
#59
2-Hexanone
Concen: 20.897 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19312

Ion	Ratio	Lower	Upper
43	100		
58	49.3	25.9	77.6

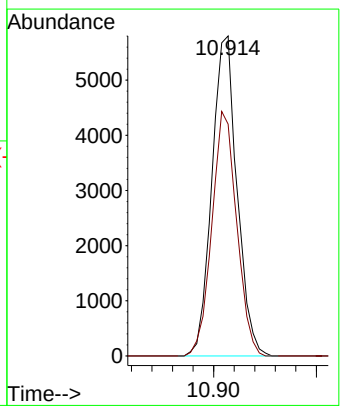


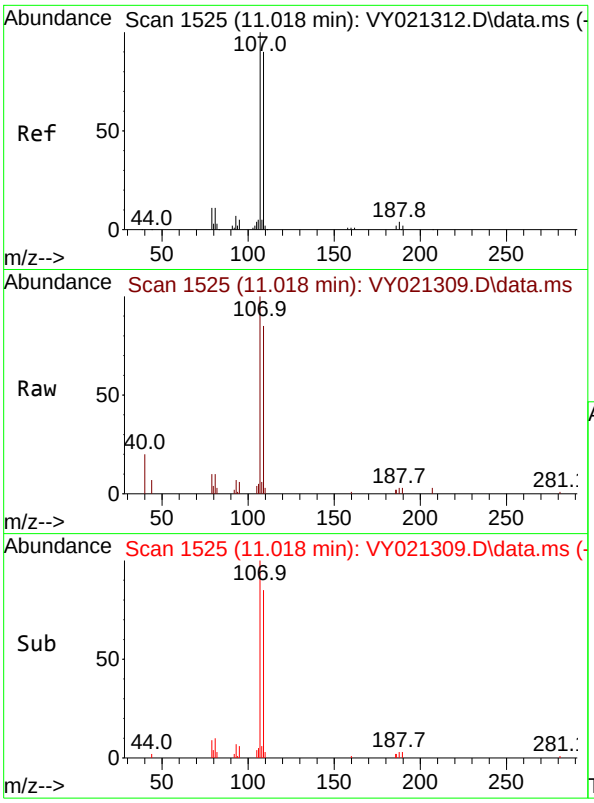


#60
Dibromochloromethane
Concen: 4.998 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:129 Resp: 9844

Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.8	116.4



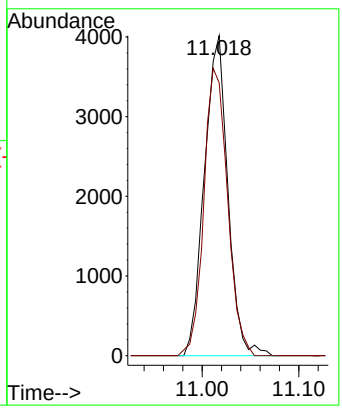


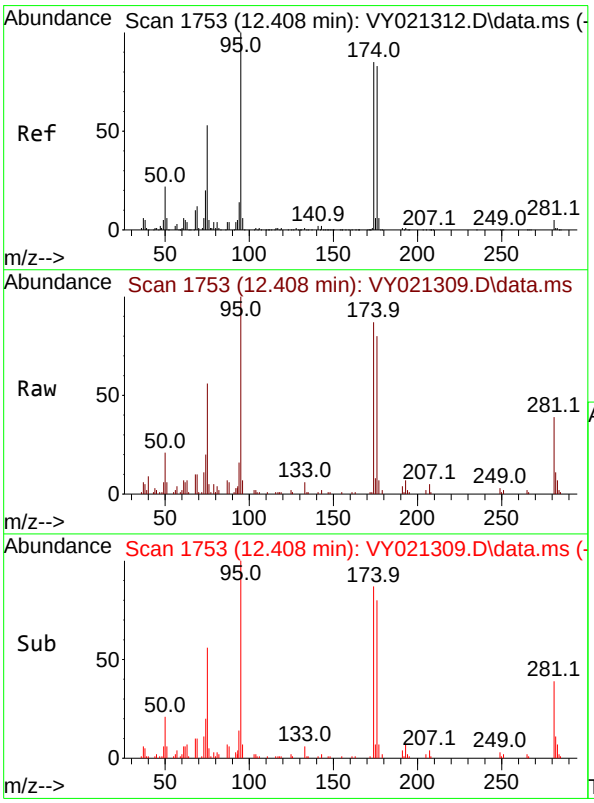
#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6792

Ion	Ratio	Lower	Upper
107	100		
109	90.5	73.8	110.8

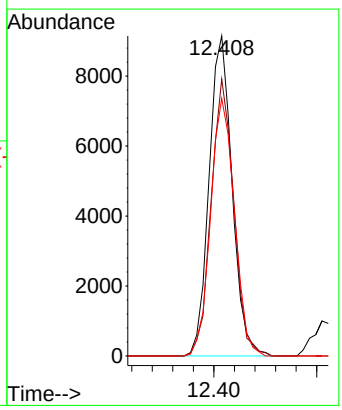


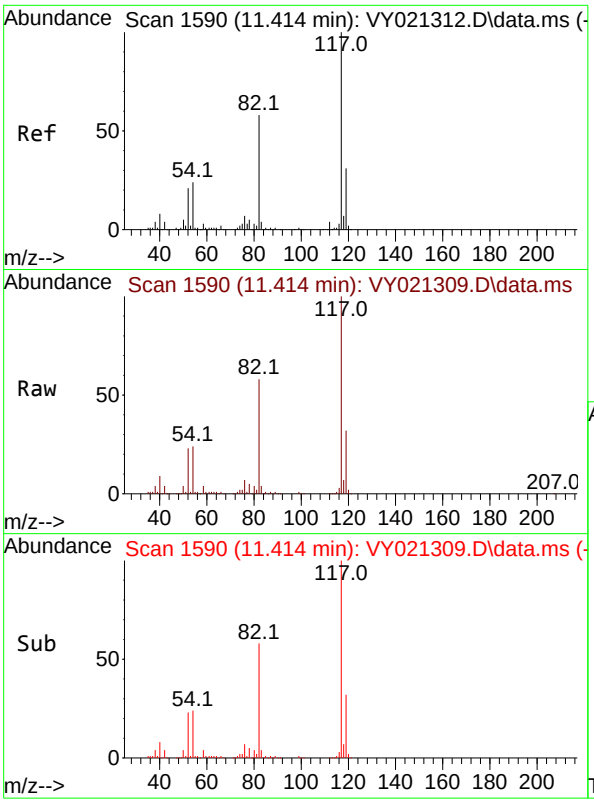


#62
4-Bromofluorobenzene
Concen: 5.741 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 95 Resp: 14192

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	168.0
176	83.1	0.0	162.6



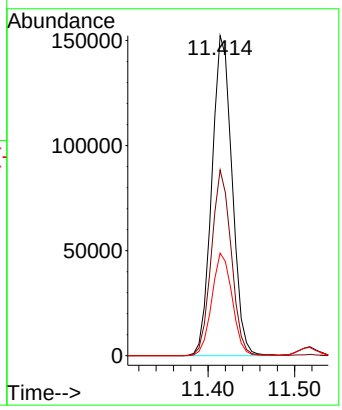


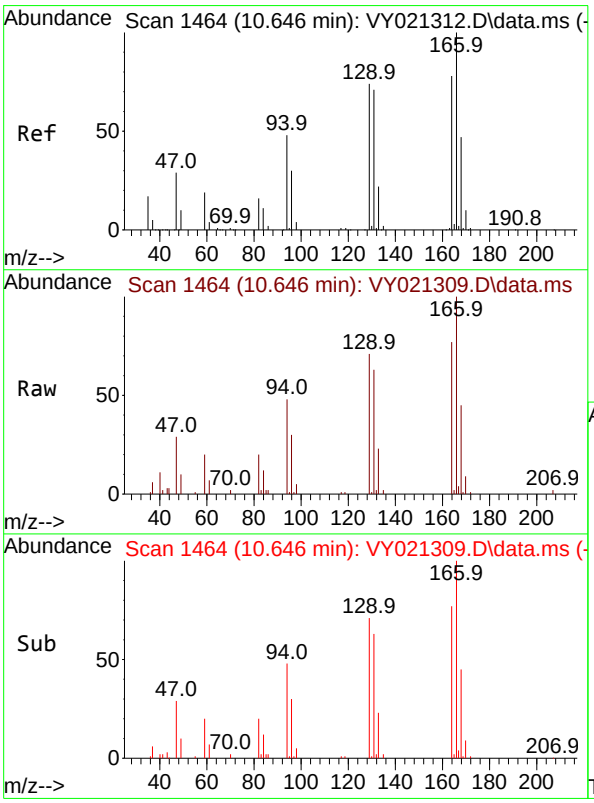
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 247837

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.2	69.4
119	32.0	24.9	37.3

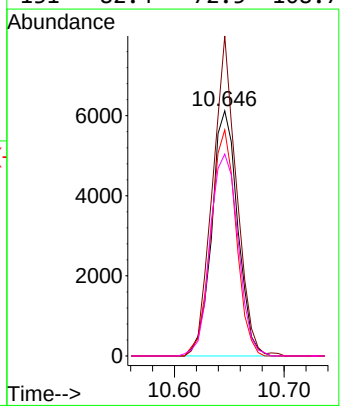


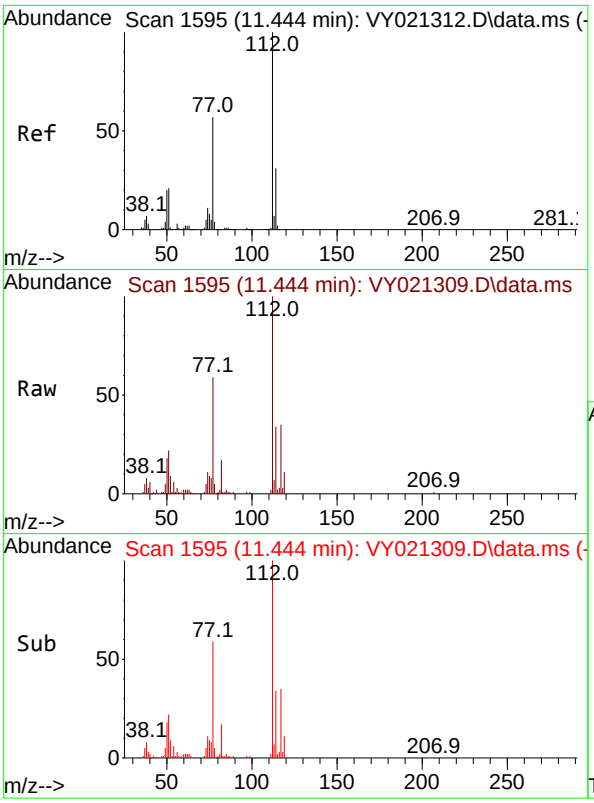


#64
Tetrachloroethene
Concen: 5.361 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:164 Resp: 10042

Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.9	152.9
129	92.3	75.5	113.3
131	82.4	72.5	108.7



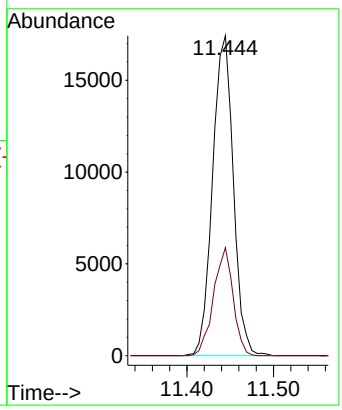


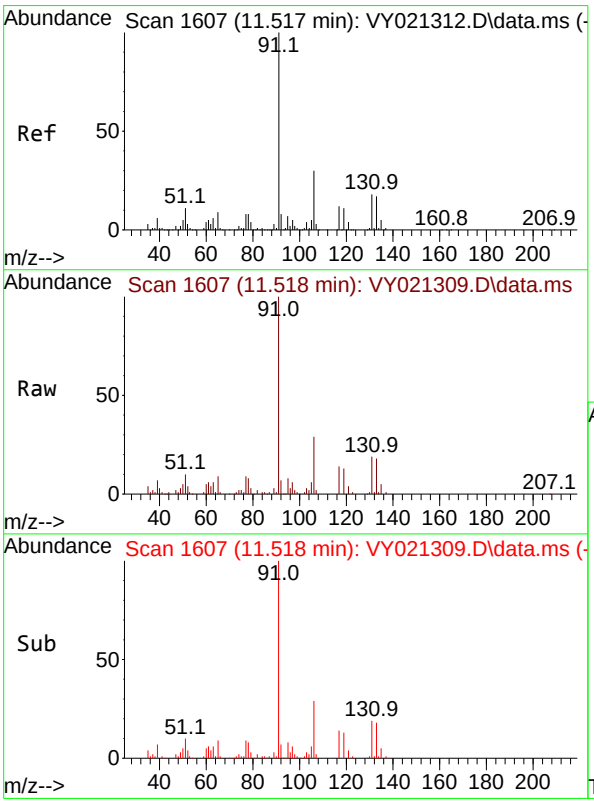
#65
Chlorobenzene
Concen: 5.217 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 29025

Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.0	37.6

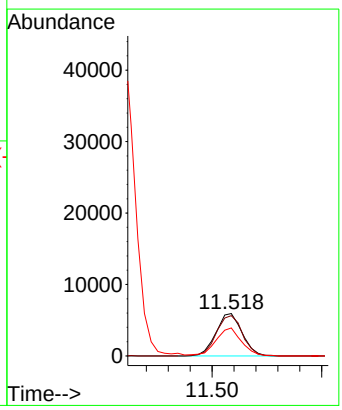


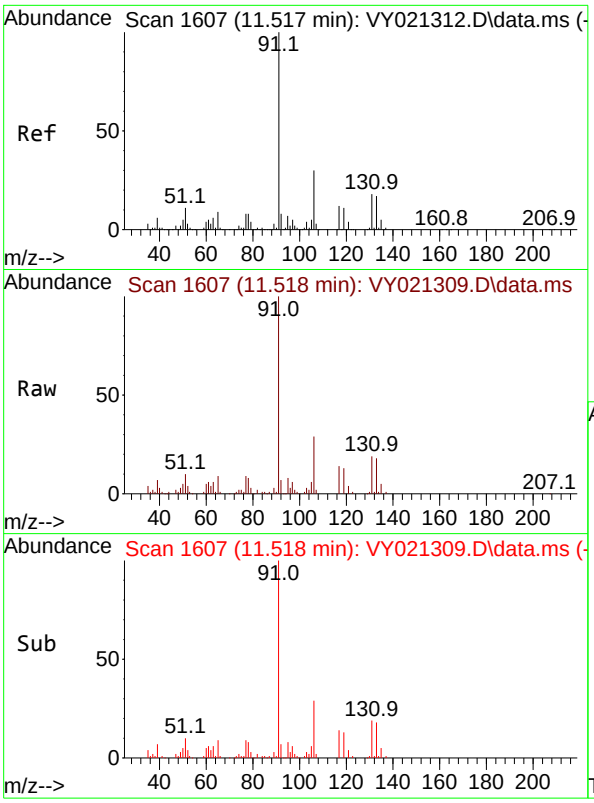


#66
1,1,1,2-Tetrachloroethane
Concen: 5.043 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:131 Resp: 9824

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	64.5	31.7	95.1



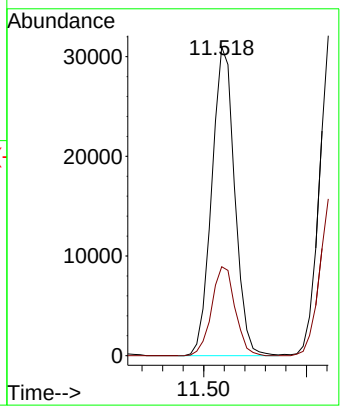


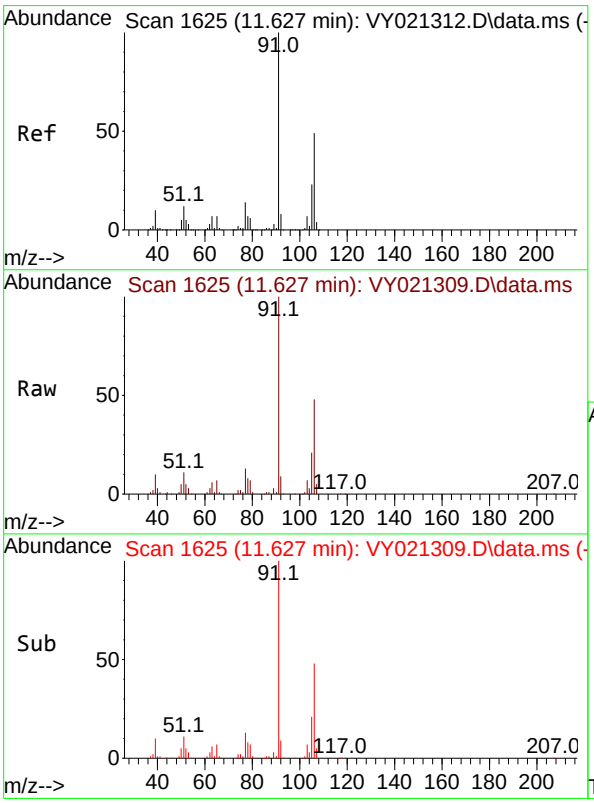
#67
Ethyl Benzene
Concen: 4.874 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 48026

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.4	36.6

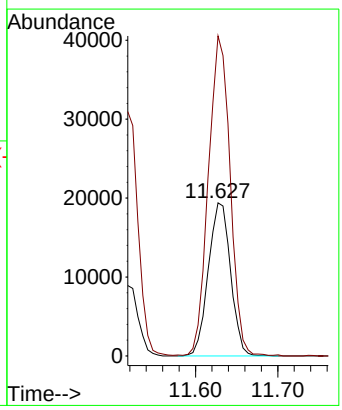


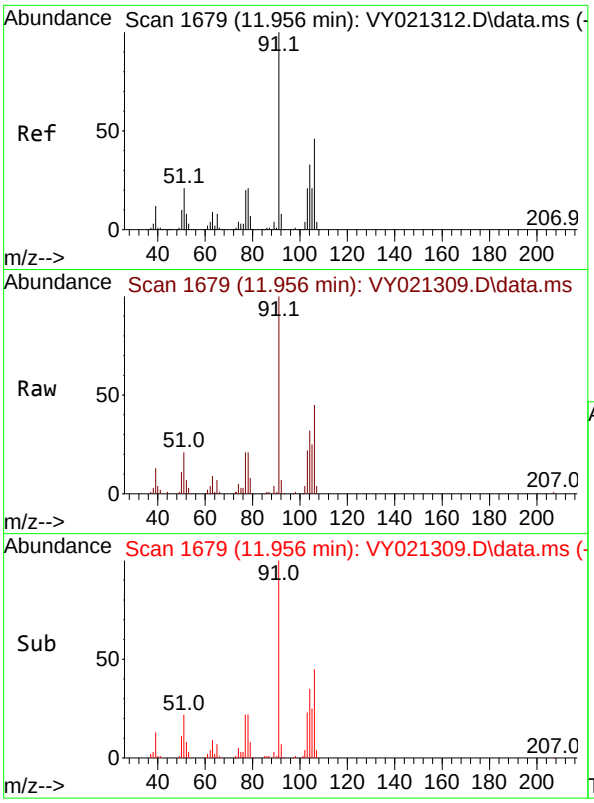


#68
m/p-Xylenes
Concen: 9.833 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 36446

Ion	Ratio	Lower	Upper
106	100		
91	205.1	163.9	245.9



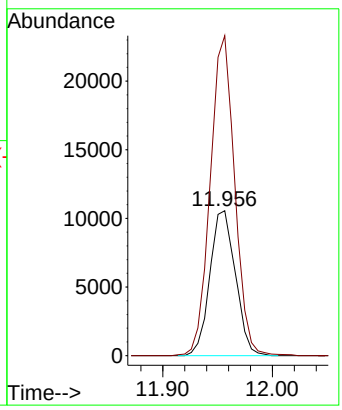


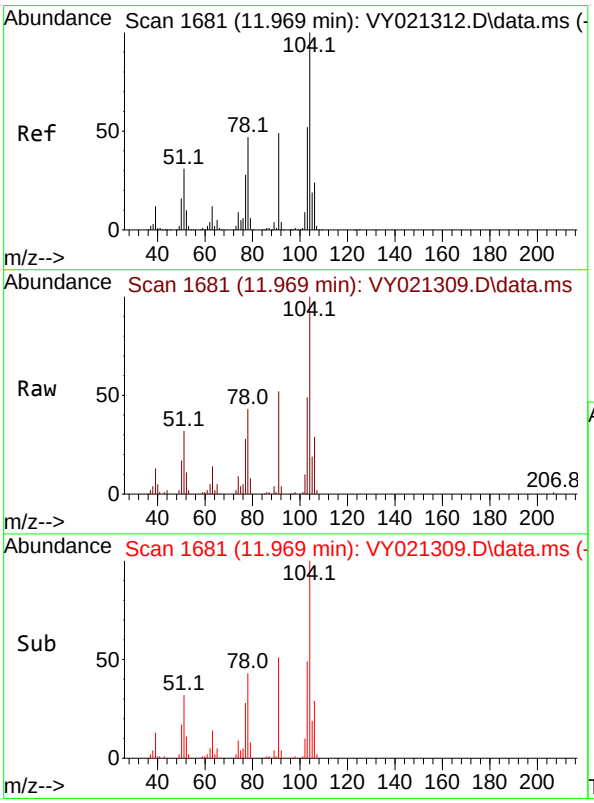
#69
o-Xylene
Concen: 4.920 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 17085

Ion	Ratio	Lower	Upper
106	100		
91	211.7	108.1	324.2

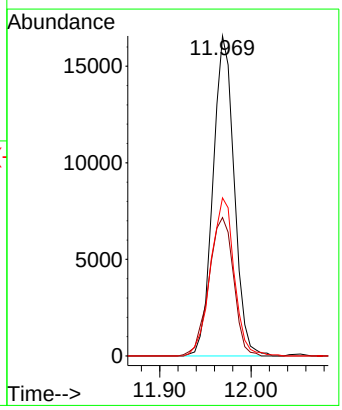


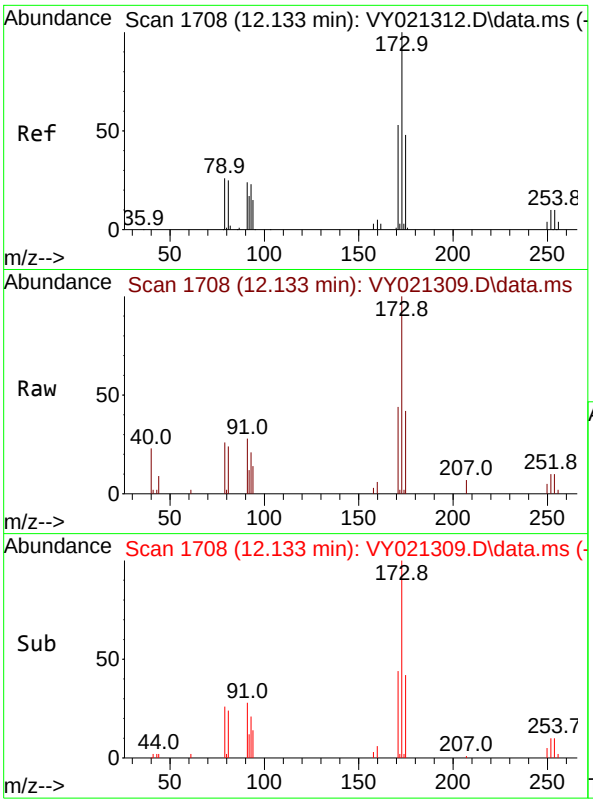


#70
Styrene
Concen: 4.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:104 Resp: 26787

Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.3	61.9
103	54.9	43.9	65.9



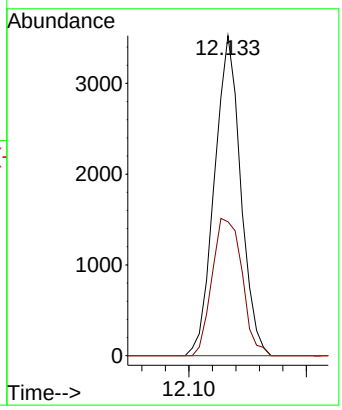


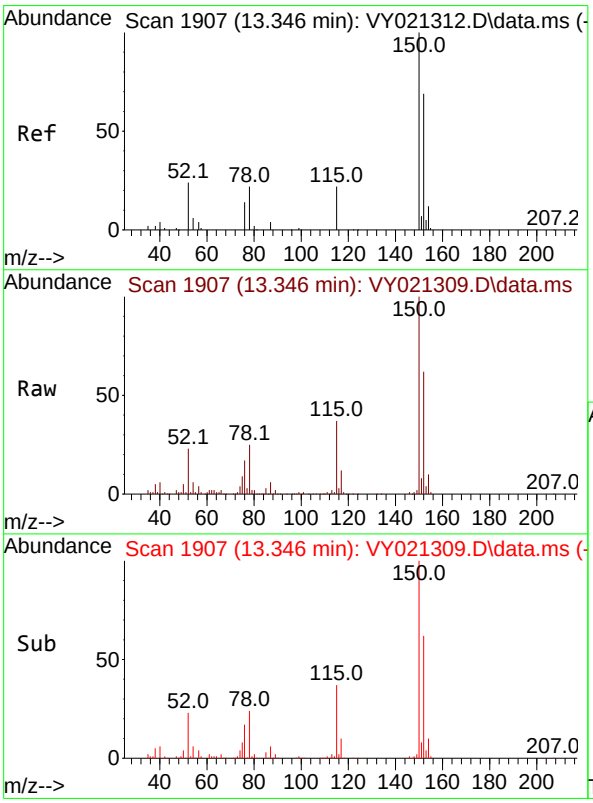
#71
Bromoform
Concen: 4.916 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5478

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.0	0.1	0.1#

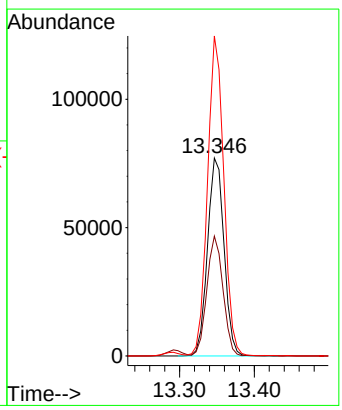


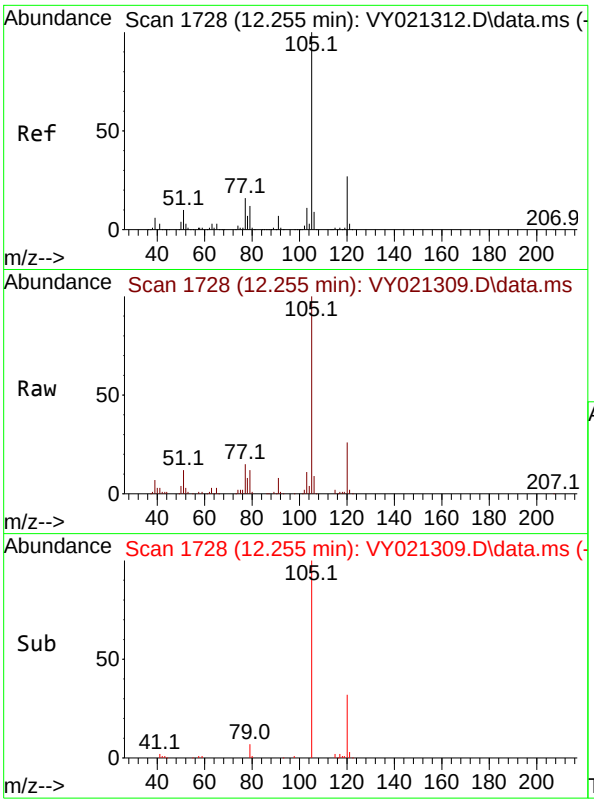


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:152 Resp: 118690

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	88.0
150	158.5	0.0	347.4



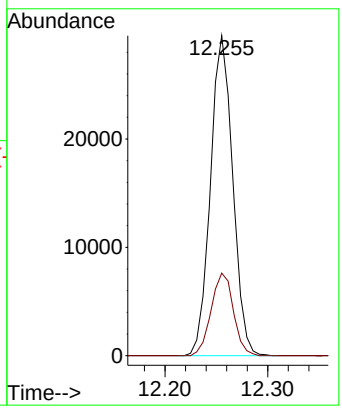


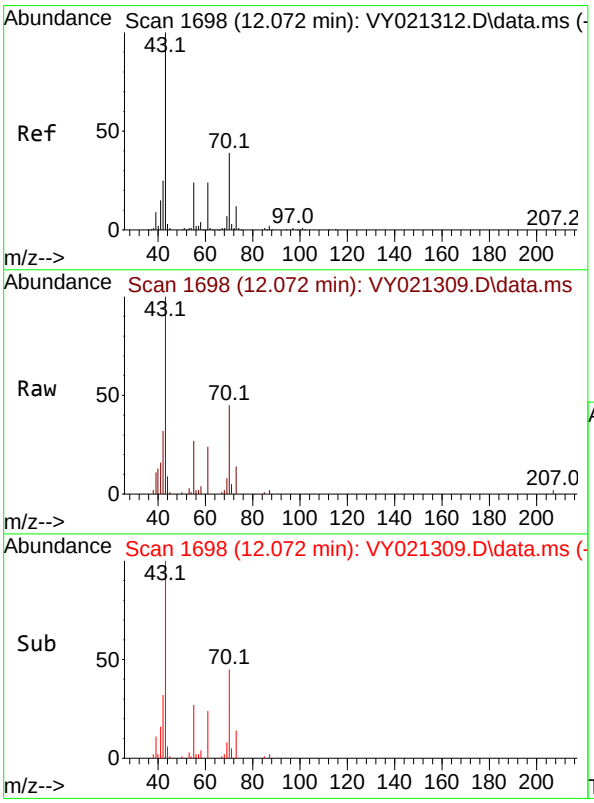
#73
Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 44434

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8

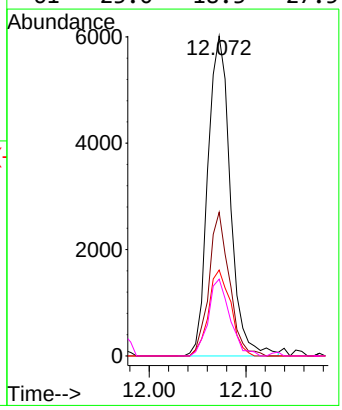


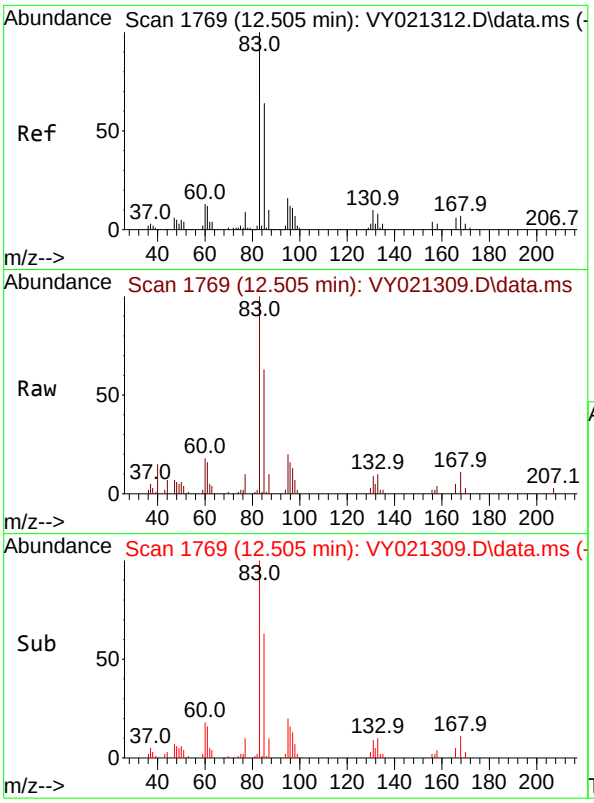


#74
N-amyl acetate
Concen: 4.283 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9713

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	26.7	19.6	29.4
61	23.0	18.3	27.5



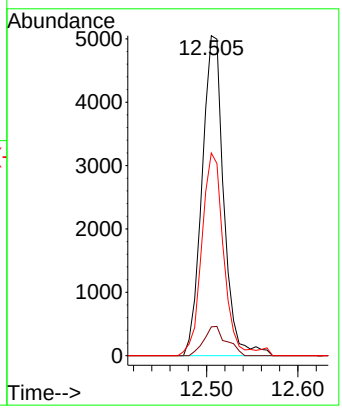


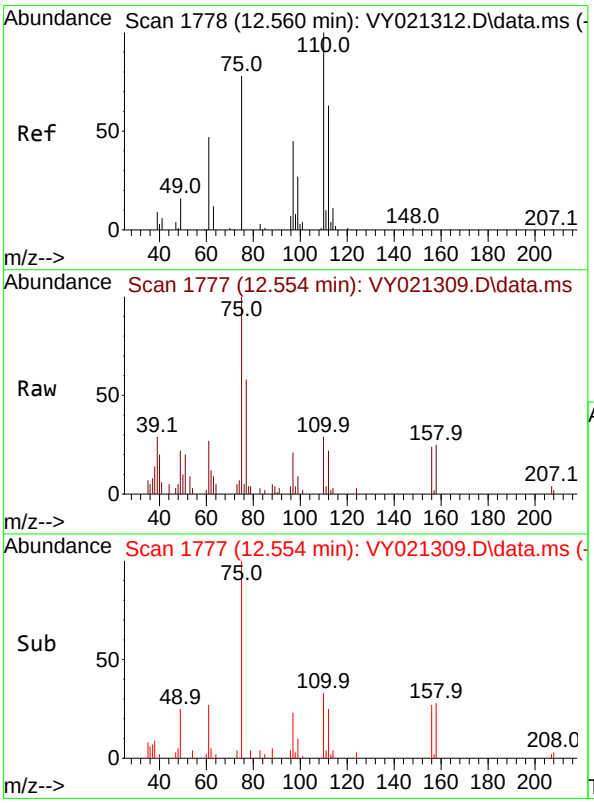
#75
1,1,2,2-Tetrachloroethane
Concen: 5.276 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 8309

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.2	15.6
85	63.4	32.0	96.0

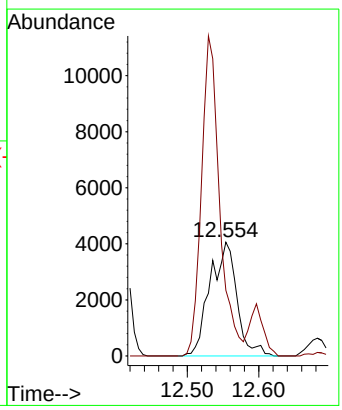


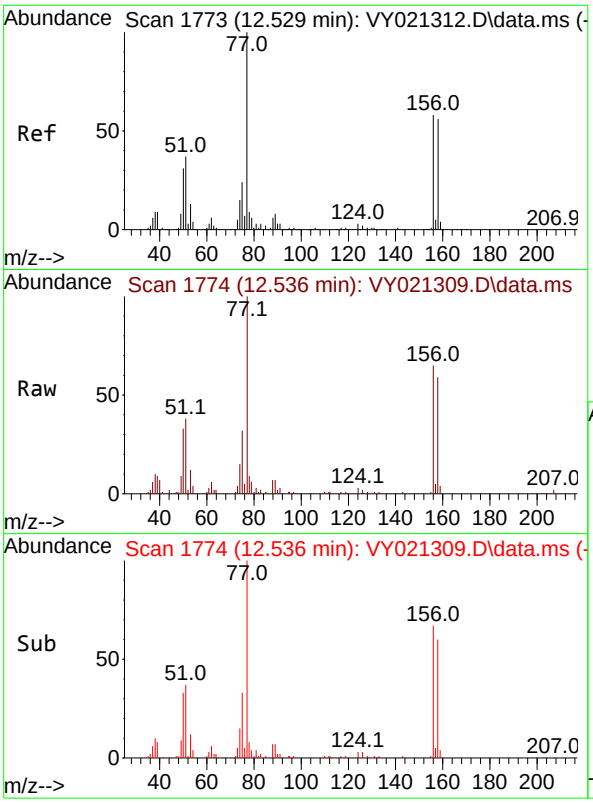


#76
1,2,3-Trichloropropane
Concen: 8.890 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 10626

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



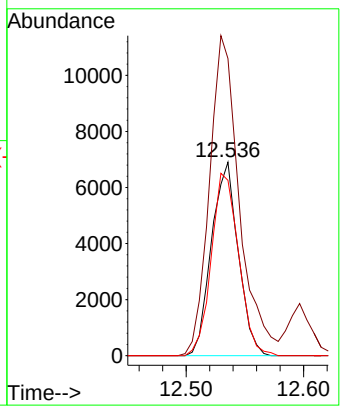


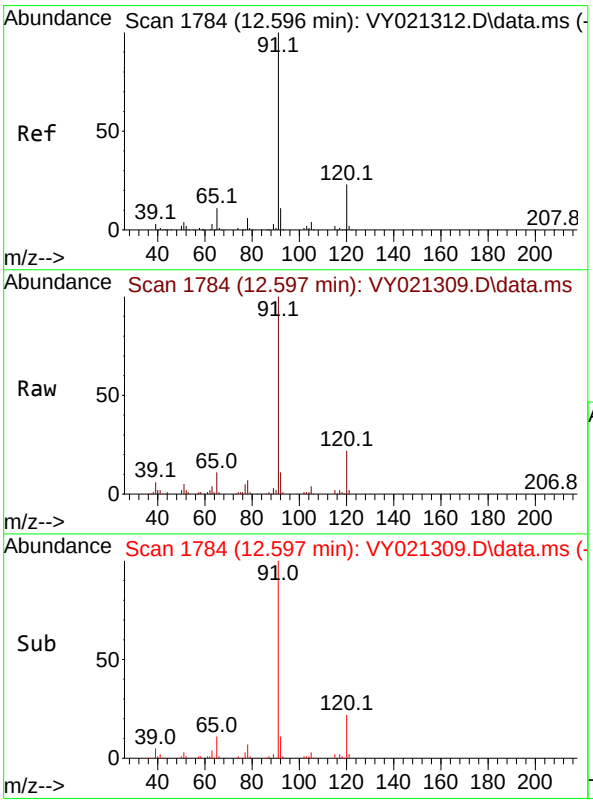
#77
Bromobenzene
Concen: 5.257 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 10911

Ion	Ratio	Lower	Upper
156	100		
77	185.6	94.0	282.1
158	96.6	48.7	146.1

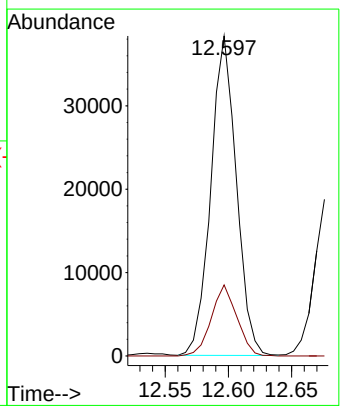


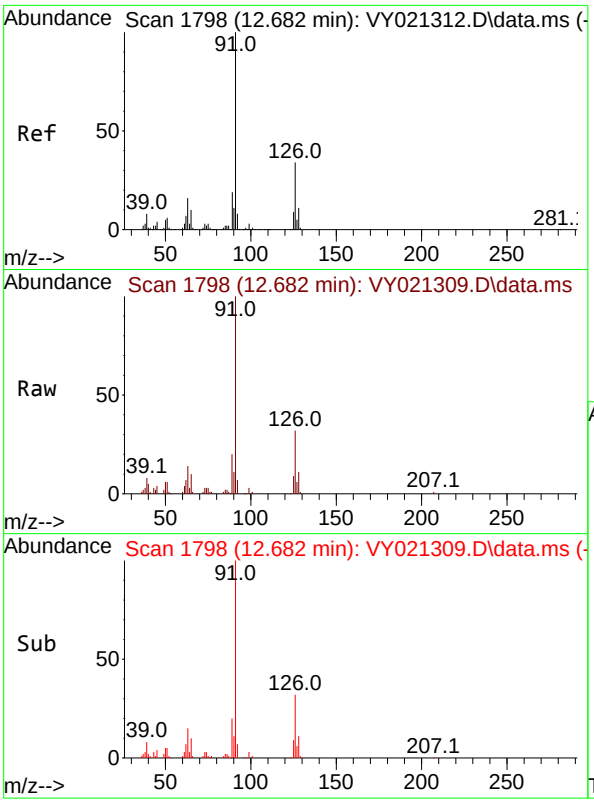


#78
n-propylbenzene
Concen: 4.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 53794

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5



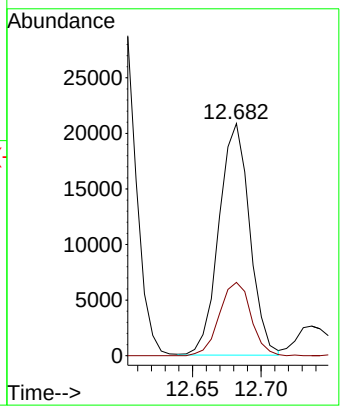


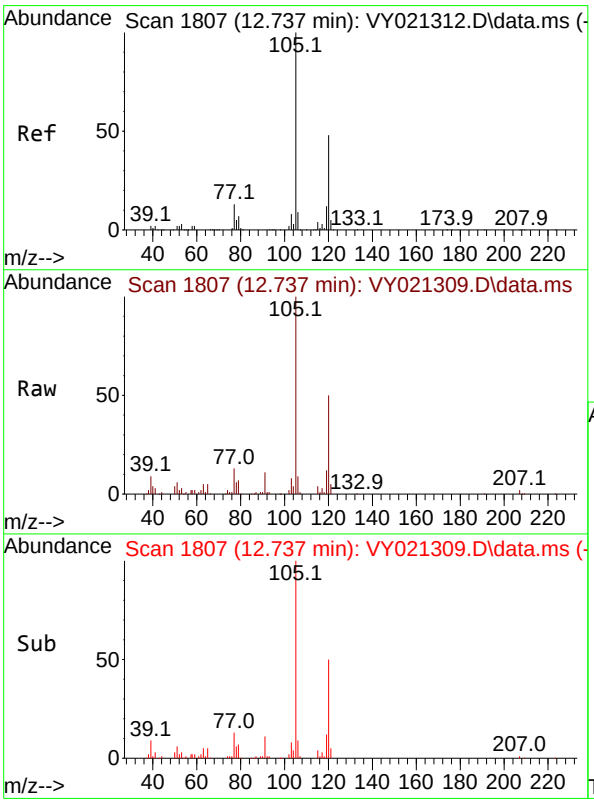
#79
2-Chlorotoluene
Concen: 5.235 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 32529

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.9	50.6

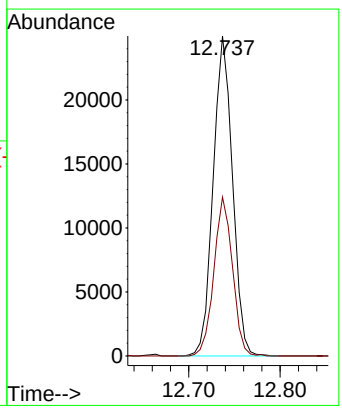


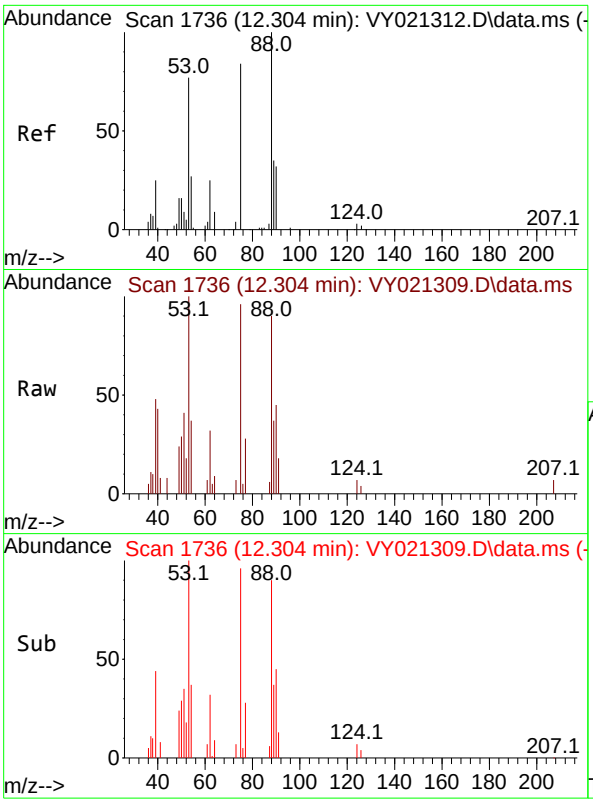


#80
1,3,5-Trimethylbenzene
Concen: 5.014 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 36696

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0



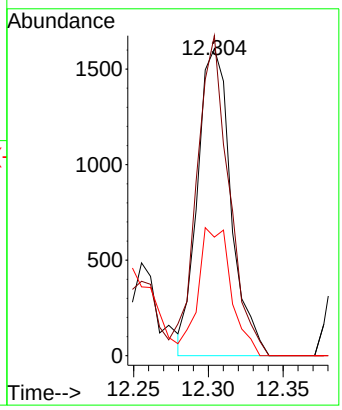


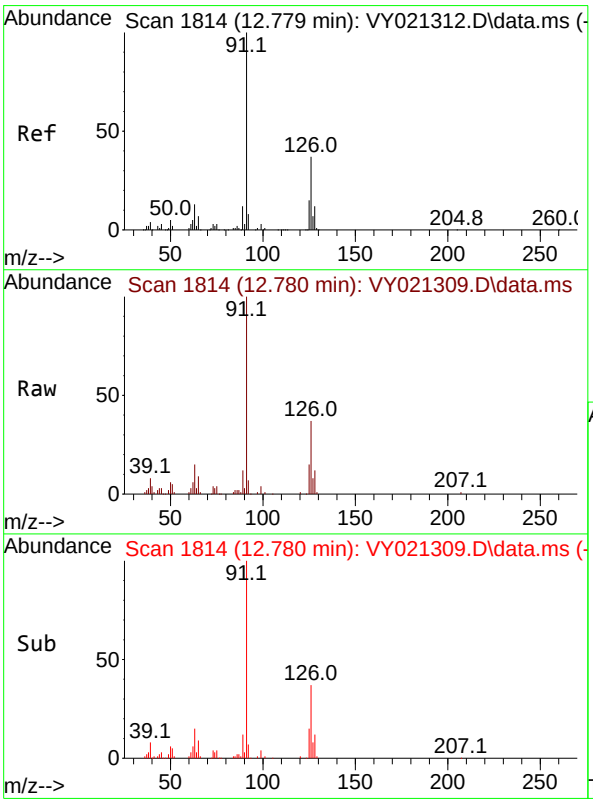
#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
53	100.8	79.1	118.7
89	41.2	35.6	53.4

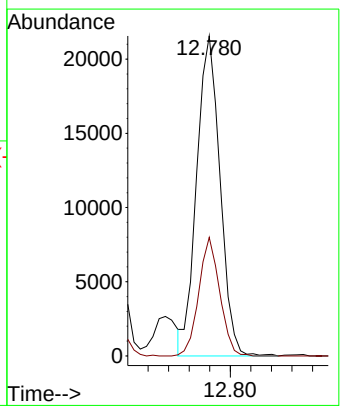


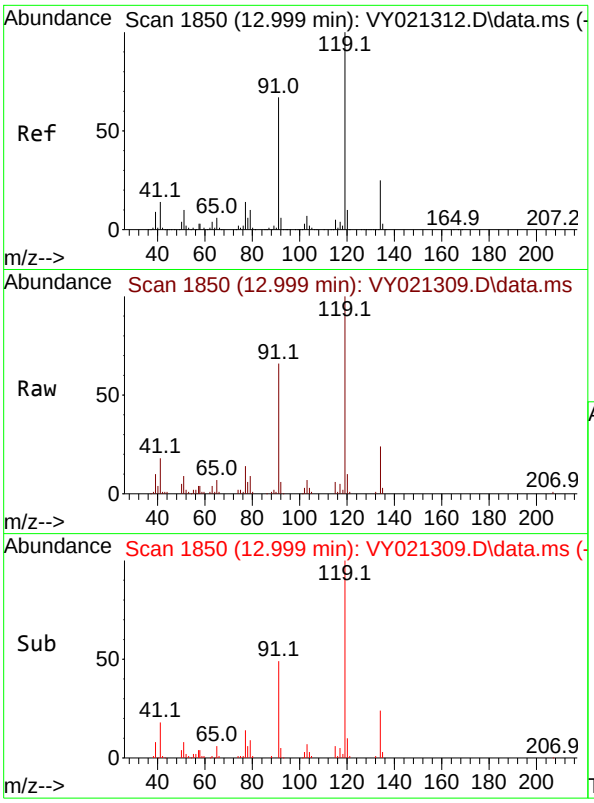


#82
4-Chlorotoluene
Concen: 5.290 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 34079

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.8	50.4



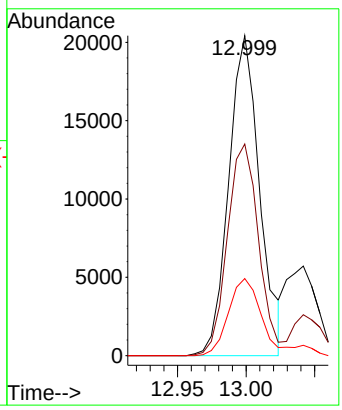


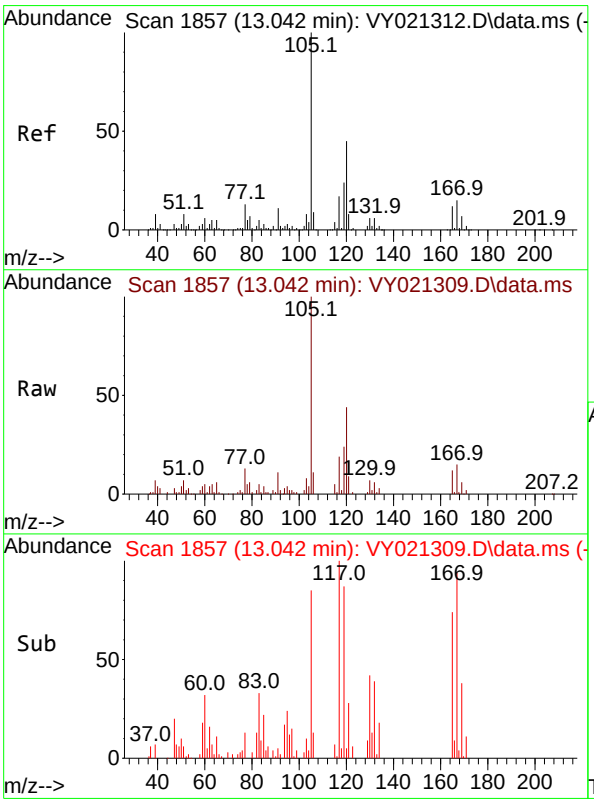
#83
tert-Butylbenzene
Concen: 4.852 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 32078

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.0	13.3	39.9

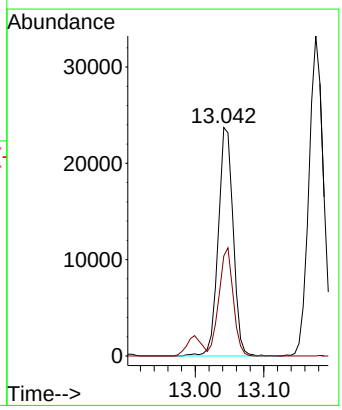


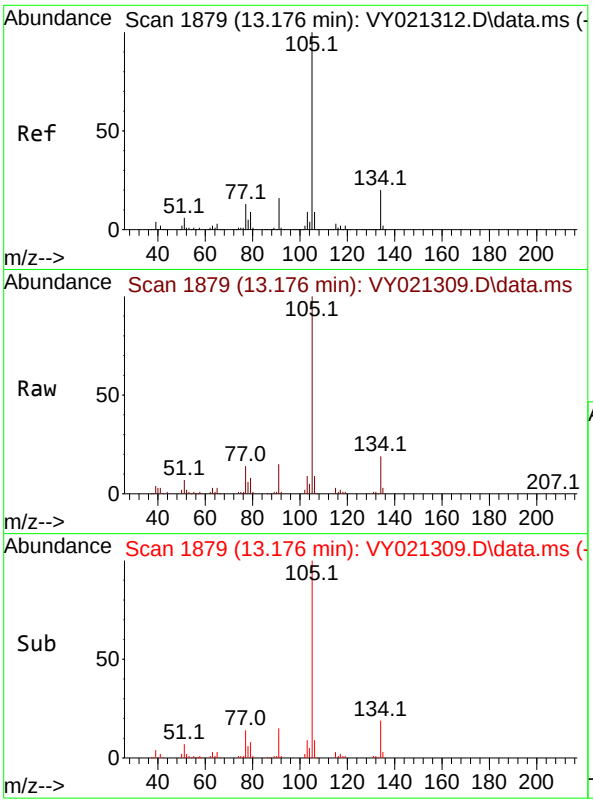


#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 35772

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3



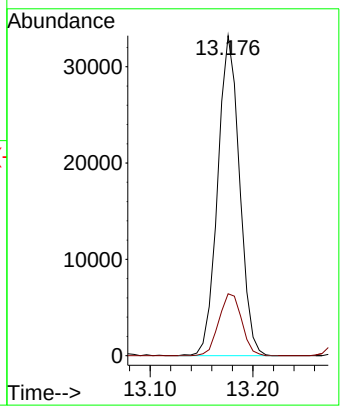


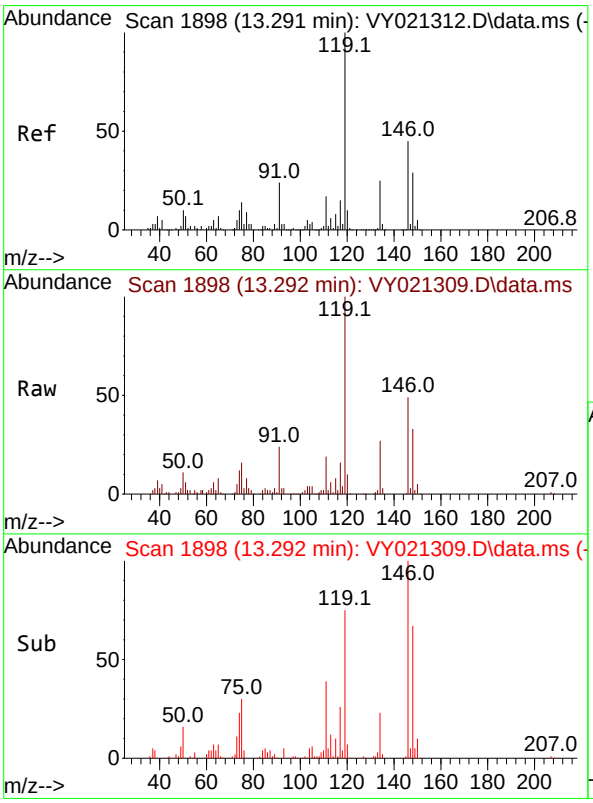
#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 48977

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

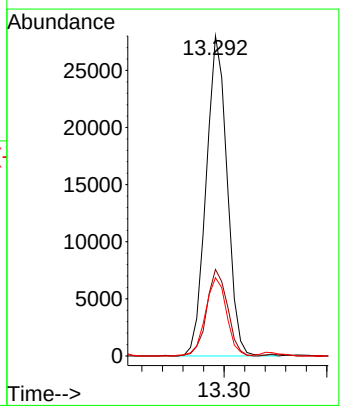


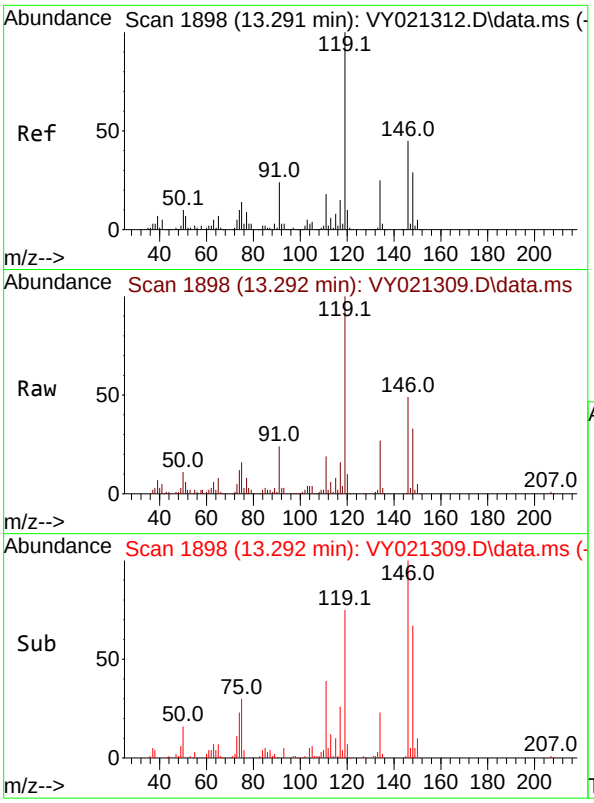


#86
p-Isopropyltoluene
Concen: 4.916 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 39637

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.8	12.0	36.1



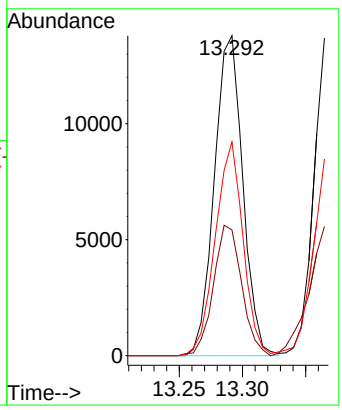


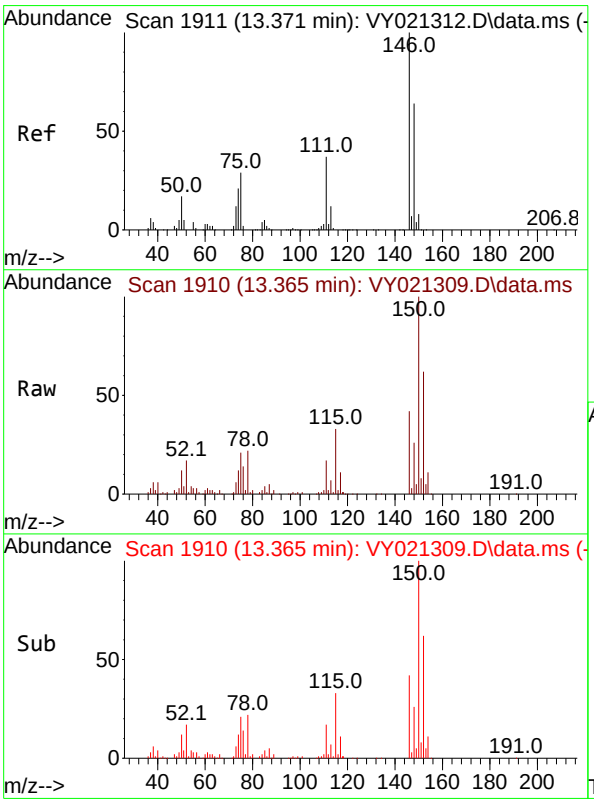
#87
1,3-Dichlorobenzene
Concen: 5.239 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21510

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	65.2	31.9	95.9

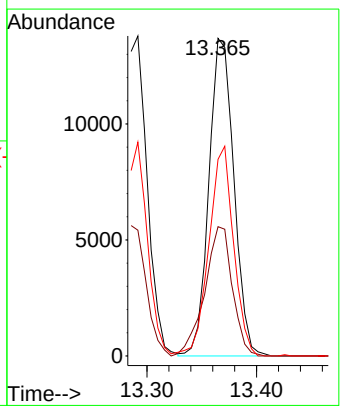


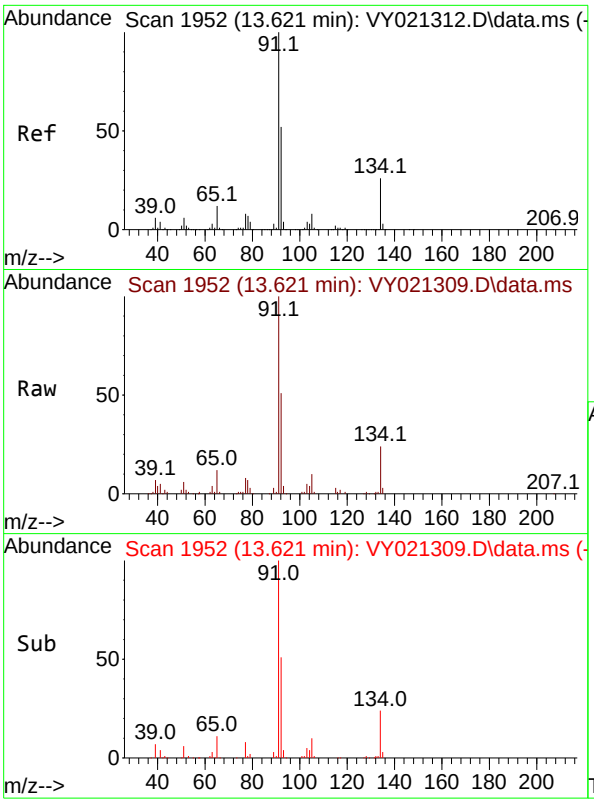


#88
1,4-Dichlorobenzene
Concen: 5.341 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 21663

Ion	Ratio	Lower	Upper
146	100		
111	45.2	19.5	58.5
148	65.3	32.0	96.2



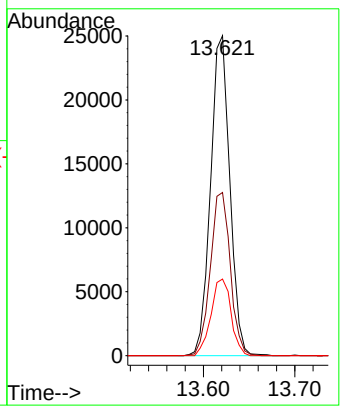


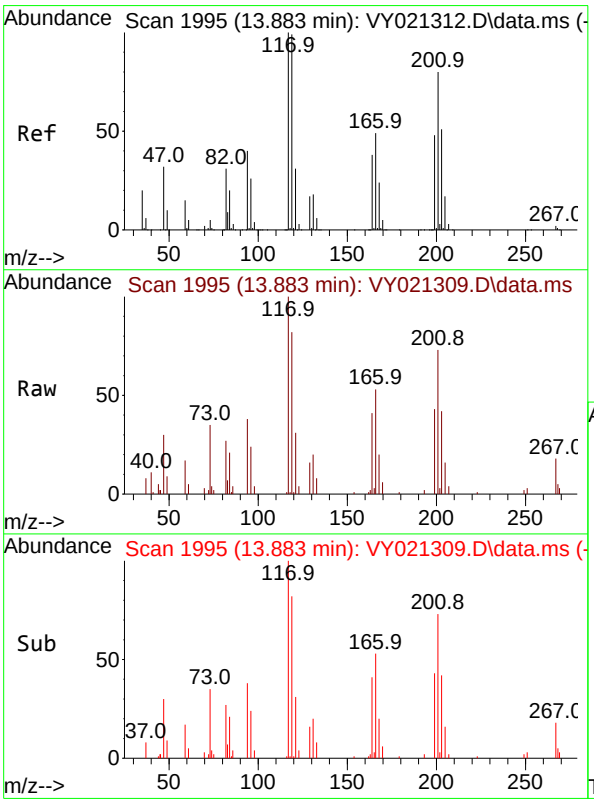
#89
n-Butylbenzene
Concen: 4.815 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 36537

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.0	12.7	38.0

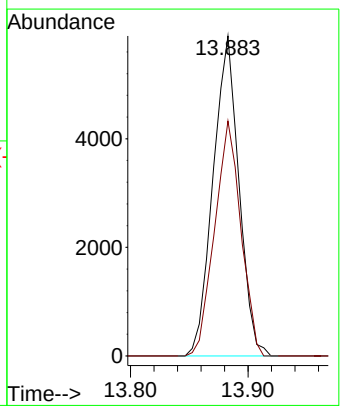


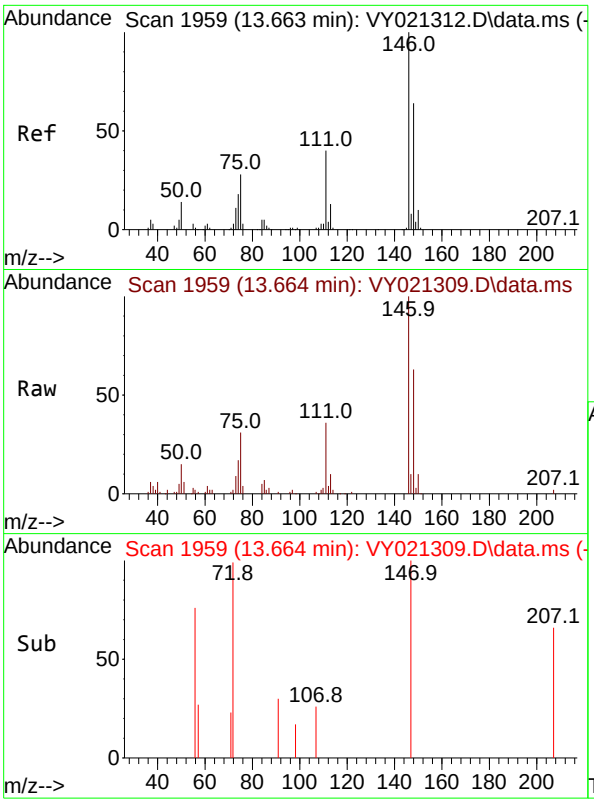


#90
Hexachloroethane
Concen: 5.351 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 9013

Ion	Ratio	Lower	Upper
117	100		
201	74.3	38.4	115.2



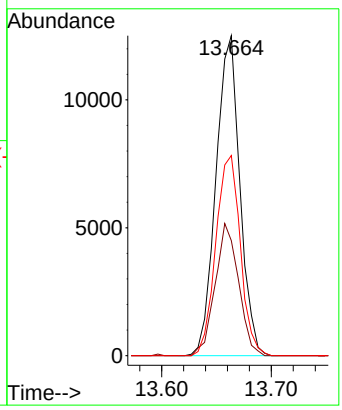


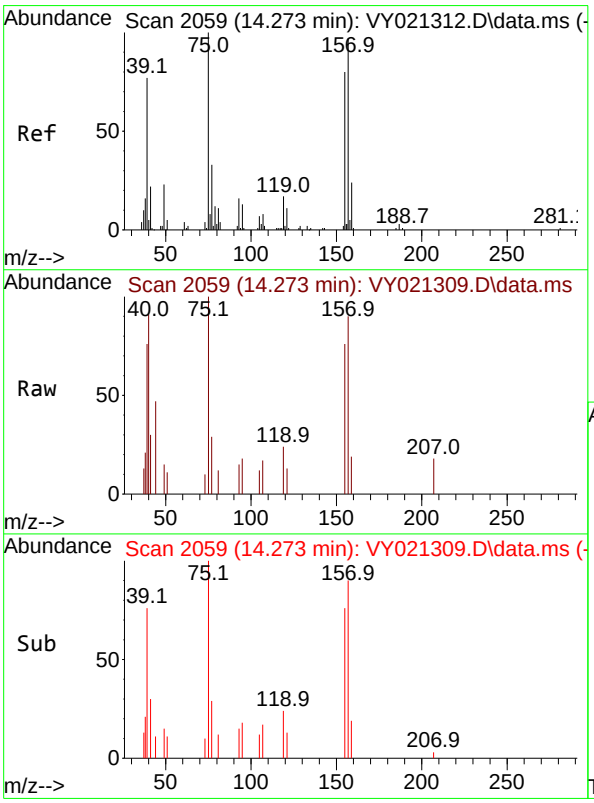
#91
1,2-Dichlorobenzene
Concen: 5.278 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 18984

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.2	31.7	95.1

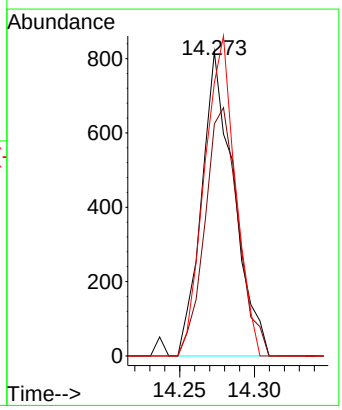


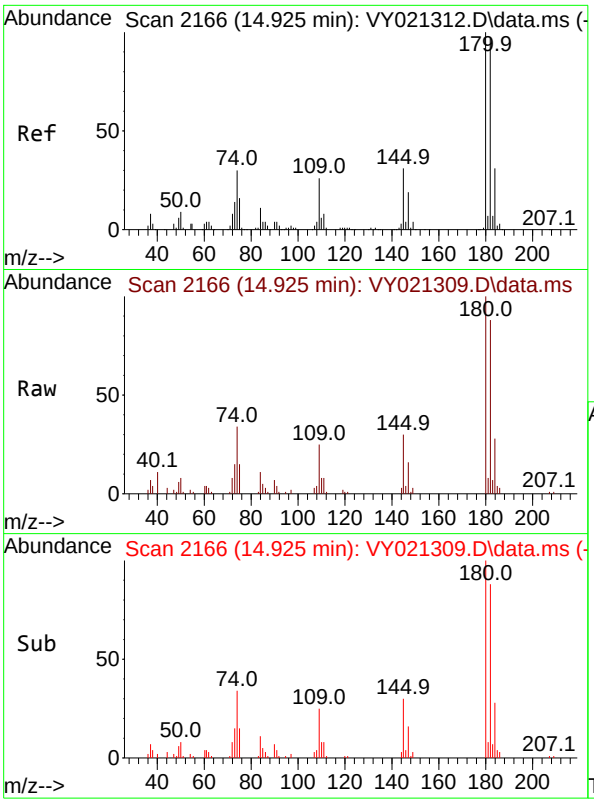


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.925 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1227

Ion	Ratio	Lower	Upper
75	100		
155	84.4	41.9	125.6
157	100.9	52.5	157.6



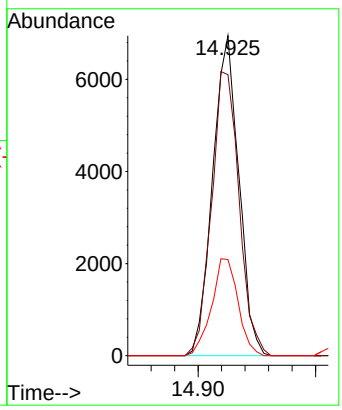


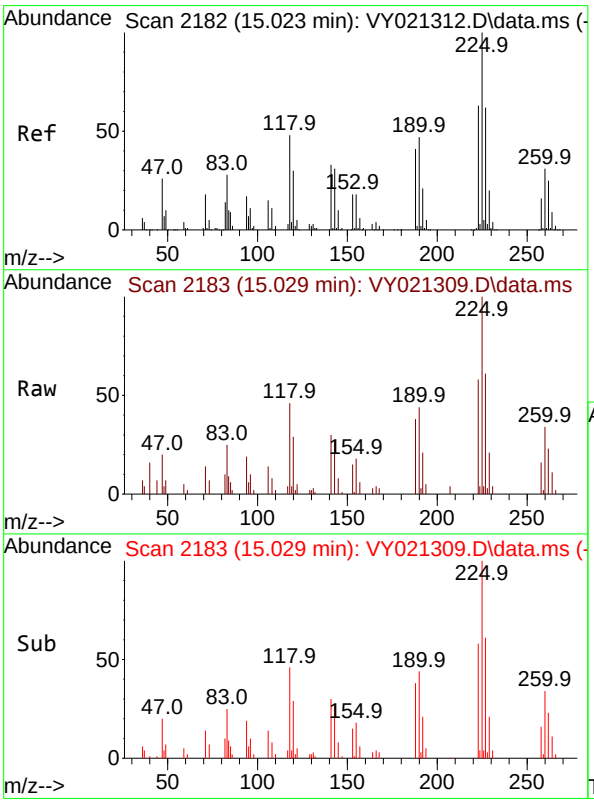
#93
1,2,4-Trichlorobenzene
Concen: 4.901 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 10759

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.7
145	30.7	15.6	46.8

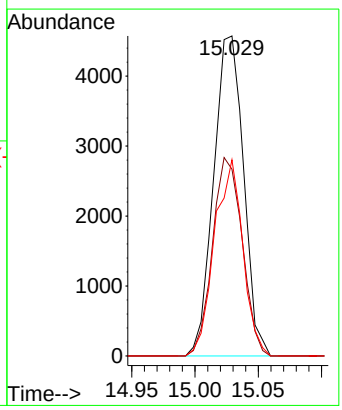


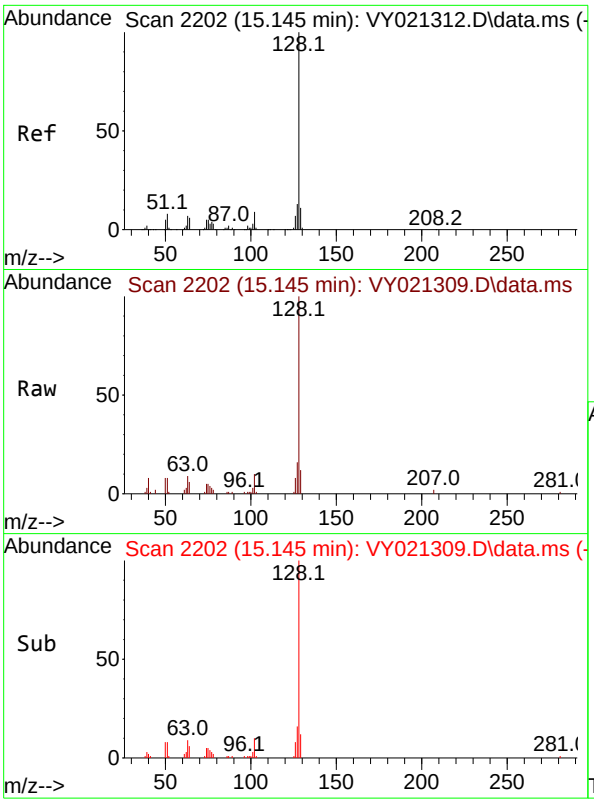


#94
Hexachlorobutadiene
Concen: 5.434 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:225 Resp: 7510

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.8	95.4
227	58.3	31.9	95.7



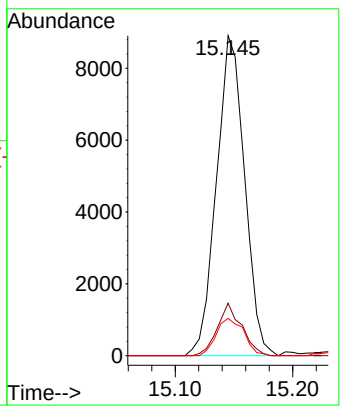


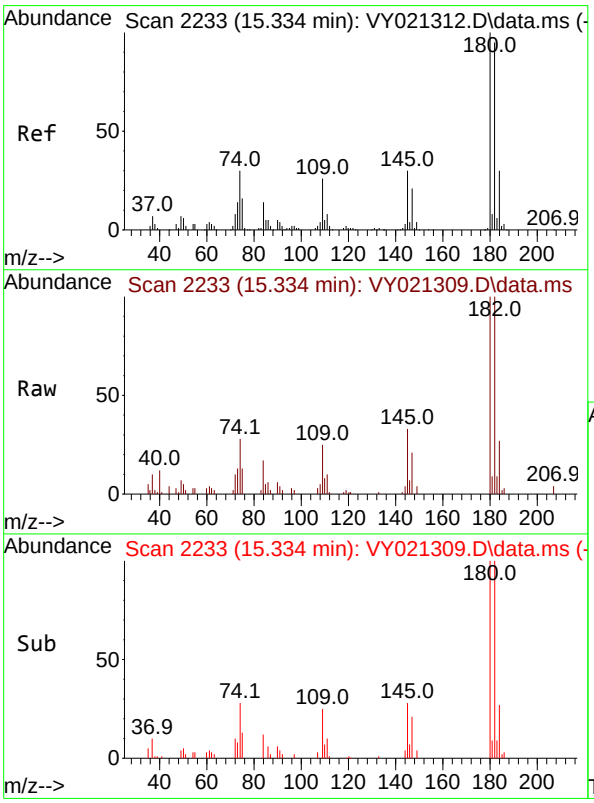
#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 14829

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.5	8.5	12.7

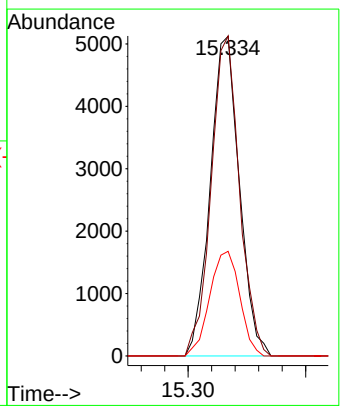




#96
1,2,3-Trichlorobenzene
Concen: 4.746 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 8804

Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.3	144.9
145	33.8	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	185658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18938	8.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.980%#		
35) Dibromofluoromethane	7.634	113	17267	9.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.220%#		
50) Toluene-d8	10.103	98	66979	9.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.280%#		
62) 4-Bromofluorobenzene	12.408	95	22364	9.069	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	17969	10.208	ug/l	99
3) Chloromethane	2.068	50	23321	10.259	ug/l	96
4) Vinyl Chloride	2.202	62	21933	9.830	ug/l	99
5) Bromomethane	2.592	94	15371	10.366	ug/l	92
6) Chloroethane	2.732	64	13561	9.801	ug/l	96
7) Trichlorofluoromethane	3.056	101	33977	10.083	ug/l	96
8) Diethyl Ether	3.452	74	9792	9.682	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	19660	10.077	ug/l	99
10) Methyl Iodide	4.001	142	17573	8.562	ug/l	99
11) Tert butyl alcohol	4.854	59	8754	54.037	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	18141	9.711	ug/l	87
13) Acrolein	3.647	56	10715	86.313	ug/l	97
14) Allyl chloride	4.385	41	31462	9.499	ug/l	98
15) Acrylonitrile	5.061	53	21273	47.572	ug/l	98
16) Acetone	3.866	43	19023	47.086	ug/l	92
17) Carbon Disulfide	4.104	76	61336	9.888	ug/l	100
18) Methyl Acetate	4.379	43	9259	9.378	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	47090	9.541	ug/l	98
20) Methylene Chloride	4.610	84	22192	10.158	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	19921	9.687	ug/l	94
22) Diisopropyl ether	6.012	45	66598	9.717	ug/l	93
23) Vinyl Acetate	5.957	43	193291	47.195	ug/l	99
24) 1,1-Dichloroethane	5.909	63	38311	9.918	ug/l	98
25) 2-Butanone	6.896	43	28711	47.087	ug/l	99
26) 2,2-Dichloropropane	6.884	77	34859	9.945	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	22663	9.651	ug/l	99
28) Bromochloromethane	7.244	49	16417	9.605	ug/l	100
29) Tetrahydrofuran	7.262	42	18625	46.731	ug/l	99
30) Chloroform	7.415	83	38838	9.922	ug/l	97
31) Cyclohexane	7.701	56	38072	10.253	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	35489	9.961	ug/l	99
36) 1,1-Dichloropropene	7.829	75	28171	9.892	ug/l	99
37) Ethyl Acetate	6.982	43	14219	10.038	ug/l	98
38) Carbon Tetrachloride	7.811	117	32494	10.149	ug/l	96
39) Methylcyclohexane	9.103	83	35431	9.837	ug/l	95
40) Benzene	8.079	78	83594	9.930	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	6845	8.642	ug/l		92
42) 1,2-Dichloroethane	8.158	62	24091	10.087	ug/l		99
43) Isopropyl Acetate	8.195	43	25874	9.436	ug/l		99
44) Trichloroethene	8.859	130	20823	9.880	ug/l		97
45) 1,2-Dichloropropane	9.140	63	20214	9.978	ug/l		98
46) Dibromomethane	9.231	93	10902	9.845	ug/l		99
47) Bromodichloromethane	9.420	83	29114	9.860	ug/l		97
48) Methyl methacrylate	9.219	41	11652	9.088	ug/l		96
49) 1,4-Dioxane	9.225	88	2309	187.520	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	65698	46.808	ug/l		99
52) Toluene	10.170	92	51371	9.823	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	25218	9.322	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	30428	9.528	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	14509	10.057	ug/l		96
56) Ethyl methacrylate	10.438	69	17817	8.938	ug/l		96
57) 1,3-Dichloropropane	10.713	76	24769	9.784	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	42304	44.215	ug/l		100
59) 2-Hexanone	10.755	43	42123	45.697	ug/l		99
60) Dibromochloromethane	10.908	129	18793	9.565	ug/l		96
61) 1,2-Dibromoethane	11.011	107	13351	9.775	ug/l		98
64) Tetrachloroethene	10.646	164	19065	10.064	ug/l		97
65) Chlorobenzene	11.438	112	55689	9.899	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	20089	10.198	ug/l		98
67) Ethyl Benzene	11.517	91	97299	9.764	ug/l		99
68) m/p-Xylenes	11.627	106	73991	19.740	ug/l		99
69) o-Xylene	11.950	106	33822	9.632	ug/l		99
70) Styrene	11.969	104	56550	9.679	ug/l		99
71) Bromoform	12.133	173	11067	9.820	ug/l	#	100
73) Isopropylbenzene	12.255	105	90221	9.590	ug/l		100
74) N-amyl acetate	12.066	43	21370	8.937	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	16246	9.785	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	21157	16.789	ug/l	#	100
77) Bromobenzene	12.529	156	21097	9.641	ug/l		99
78) n-propylbenzene	12.597	91	110190	9.652	ug/l		99
79) 2-Chlorotoluene	12.682	91	64018	9.771	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	74498	9.655	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	5238	9.295	ug/l		96
82) 4-Chlorotoluene	12.773	91	66701	9.821	ug/l		100
83) tert-Butylbenzene	12.999	119	68905	9.886	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	74032	9.647	ug/l		99
85) sec-Butylbenzene	13.176	105	100189	9.841	ug/l		99
86) p-Isopropyltoluene	13.292	119	81769	9.619	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	43267	9.996	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	42788	10.006	ug/l		98
89) n-Butylbenzene	13.615	91	76325	9.541	ug/l		99
90) Hexachloroethane	13.877	117	17261	9.721	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	37522	9.894	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2424	9.229	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	21234	9.174	ug/l		97
94) Hexachlorobutadiene	15.023	225	14346	9.845	ug/l		99
95) Naphthalene	15.145	128	32094	8.371	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	17983	9.195	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

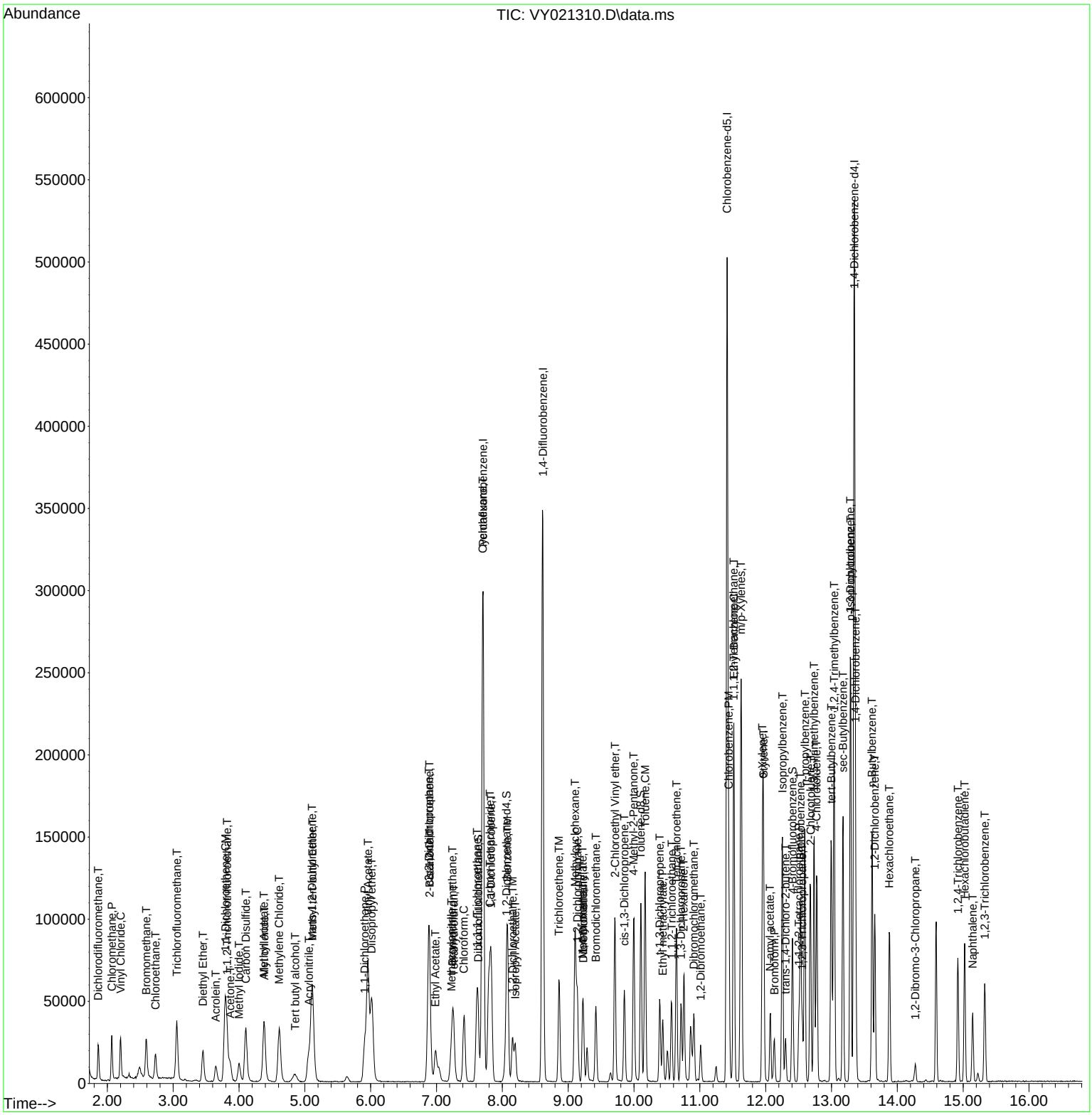
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

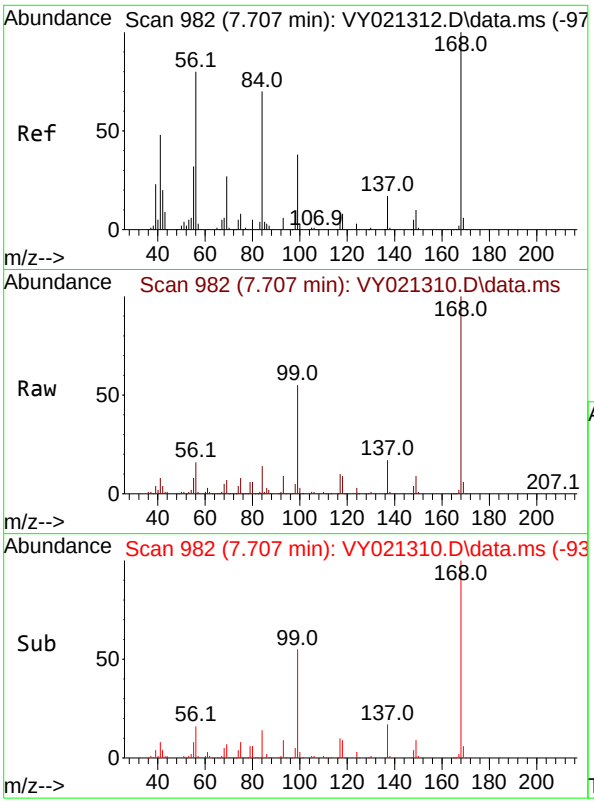
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



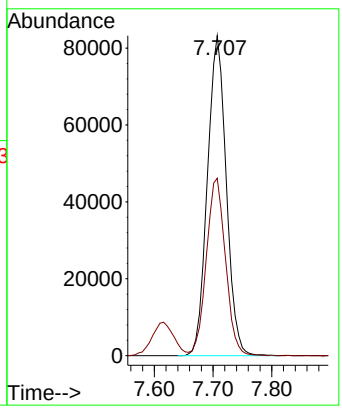


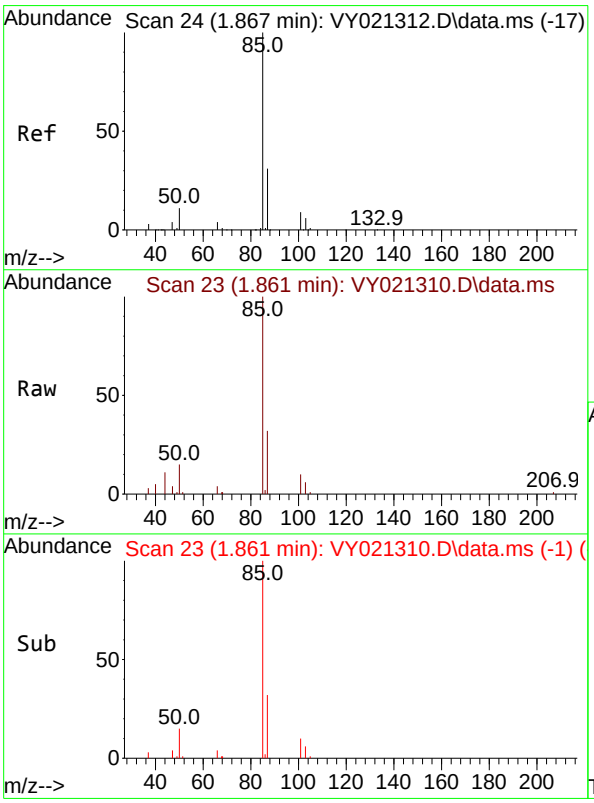
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 185658

Ion	Ratio	Lower	Upper
168	100		
99	55.4	47.1	70.7

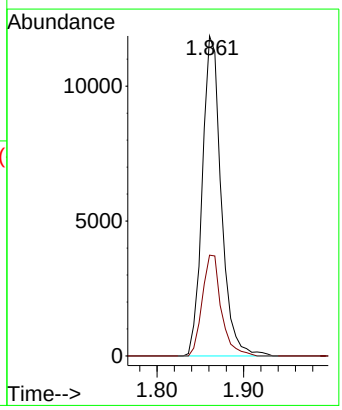


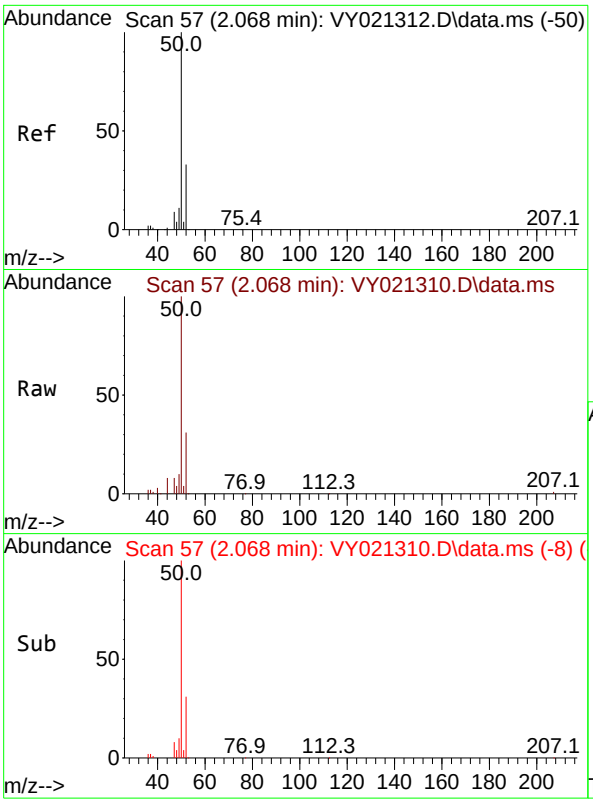


#2
Dichlorodifluoromethane
Concen: 10.208 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 85 Resp: 17969

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4



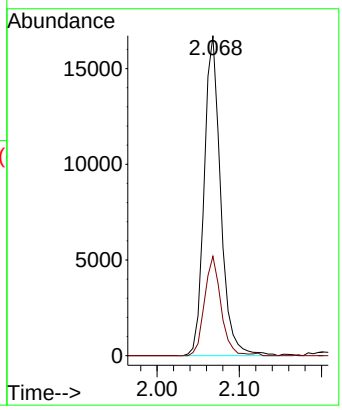


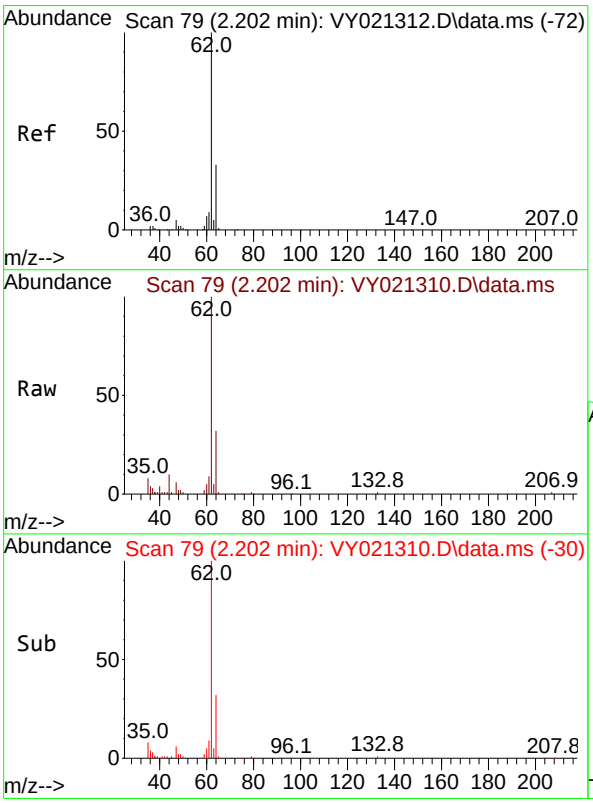
#3
Chloromethane
Concen: 10.259 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 23321

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	40.0

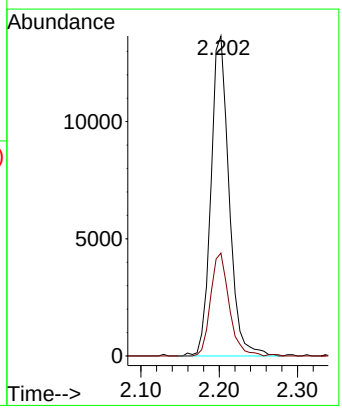


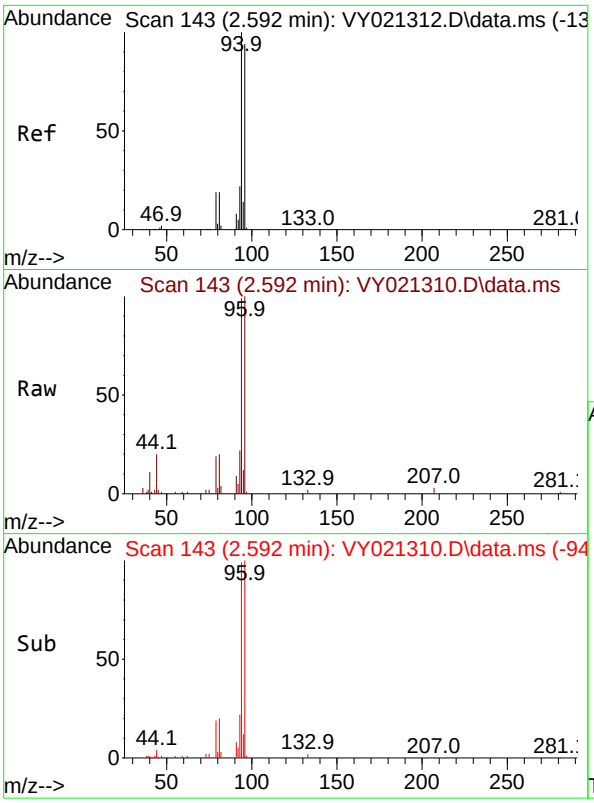


#4
Vinyl Chloride
Concen: 9.830 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 21933

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.3	39.5



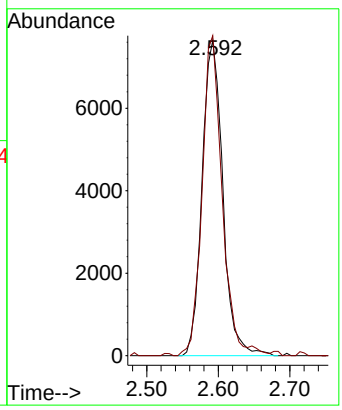


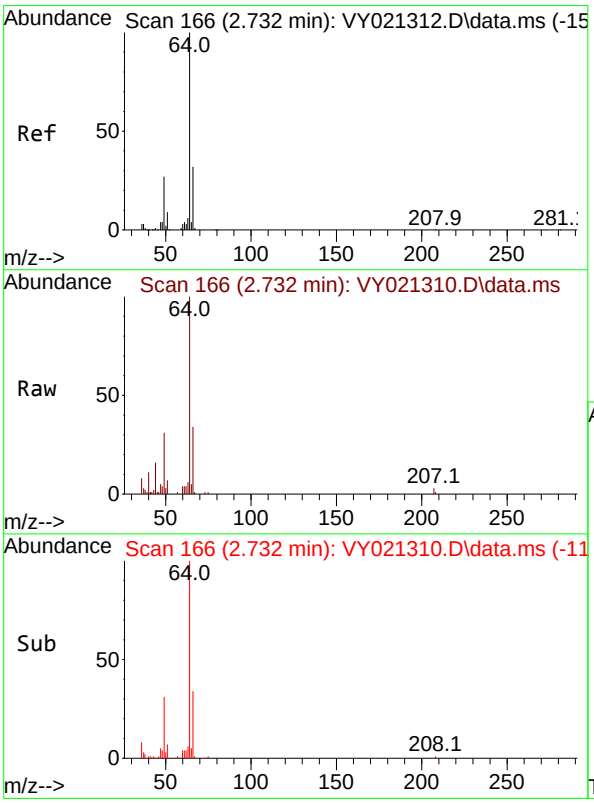
#5
Bromomethane
Concen: 10.366 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 15371

Ion	Ratio	Lower	Upper
94	100		
96	101.5	75.2	112.8

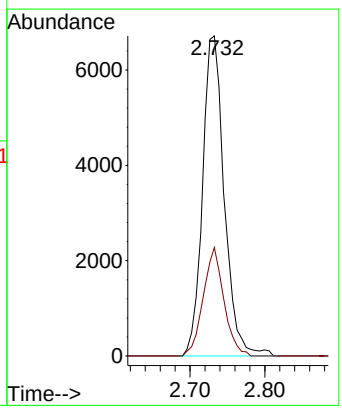


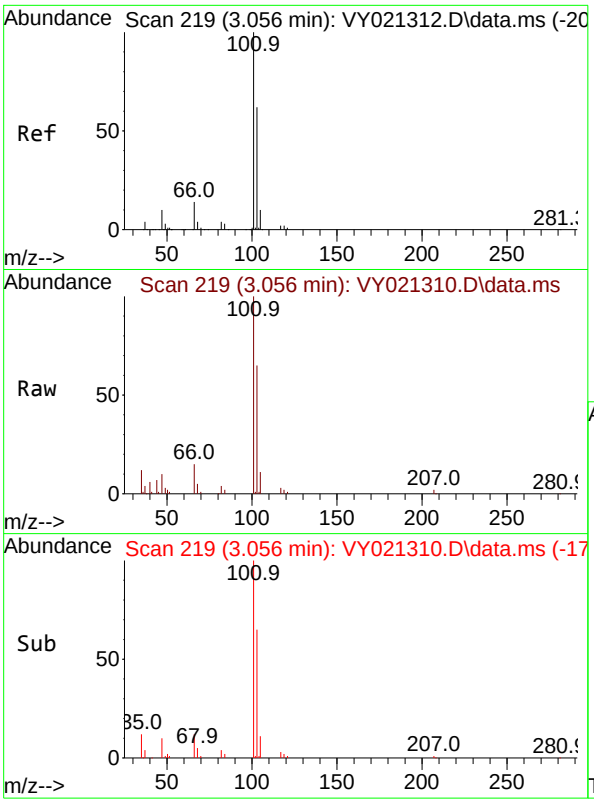


#6
Chloroethane
Concen: 9.801 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 64 Resp: 13561

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.4	38.0



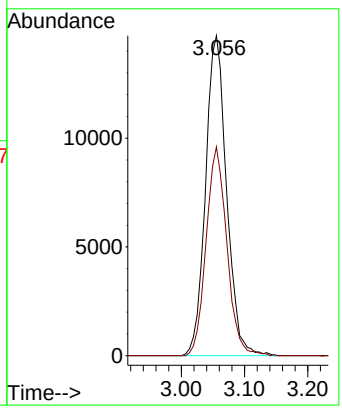


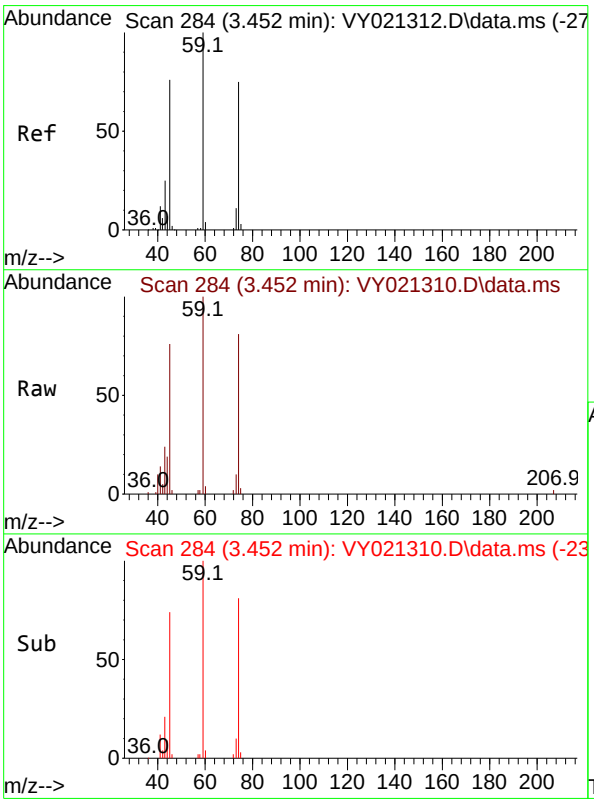
#7
Trichlorofluoromethane
Concen: 10.083 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 33977

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5

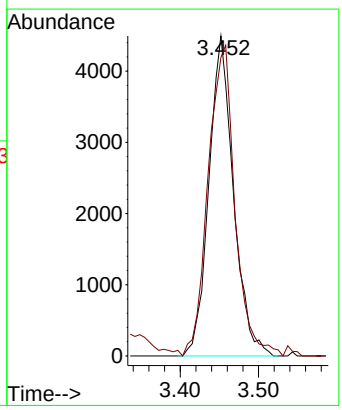


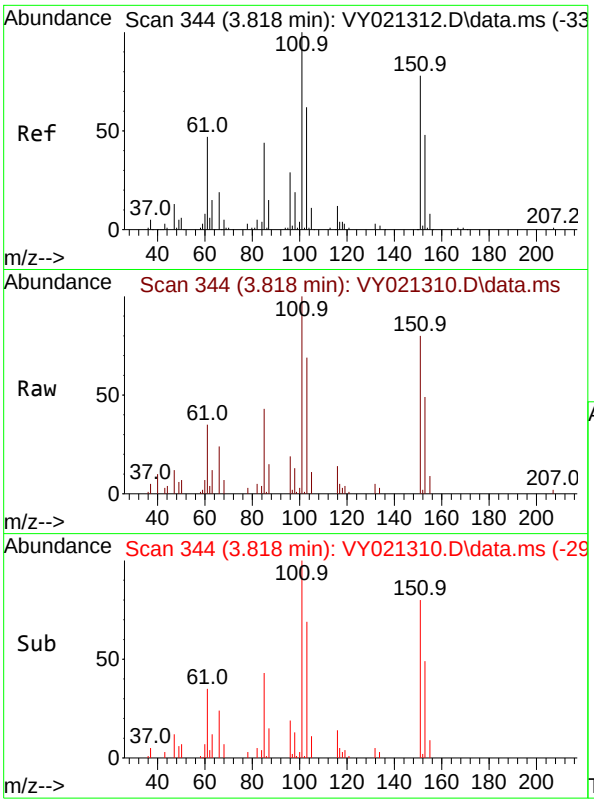


#8
Diethyl Ether
Concen: 9.682 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 74 Resp: 9792

Ion	Ratio	Lower	Upper
74	100		
45	106.0	50.3	150.9



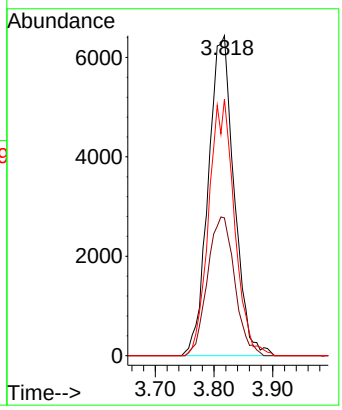


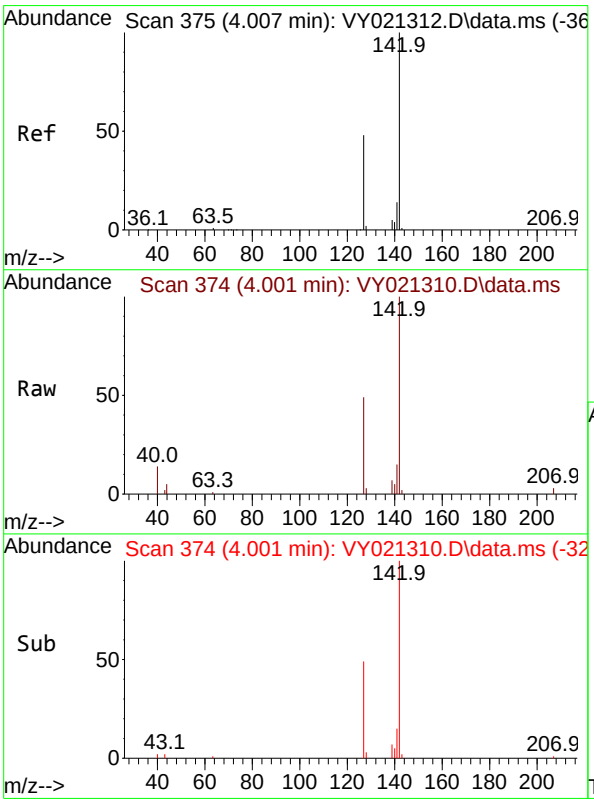
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.077 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 19660

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.7	55.1
151	79.5	62.6	94.0

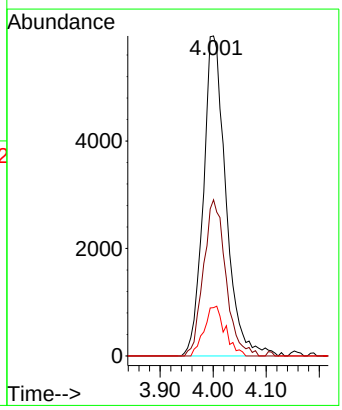


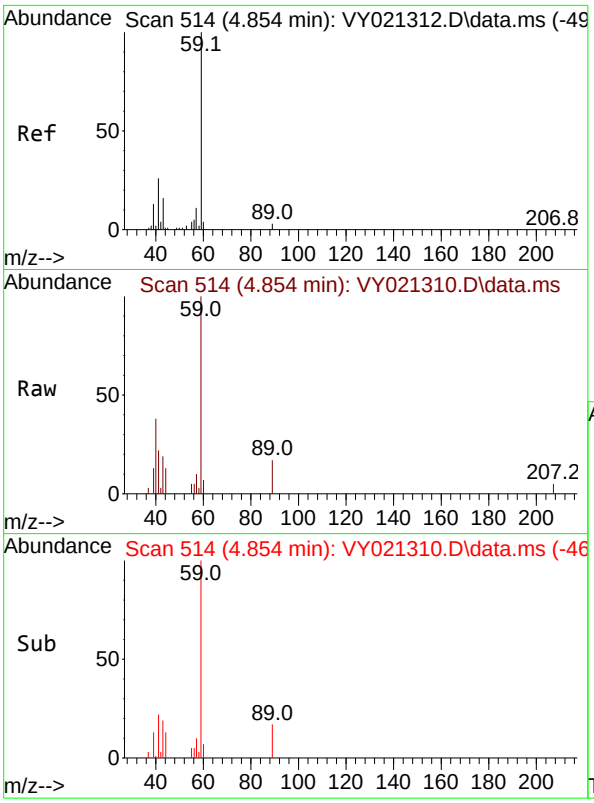


#10
Methyl Iodide
Concen: 8.562 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:142 Resp: 17573

Ion	Ratio	Lower	Upper
142	100		
127	48.3	39.2	58.8
141	14.5	11.4	17.2



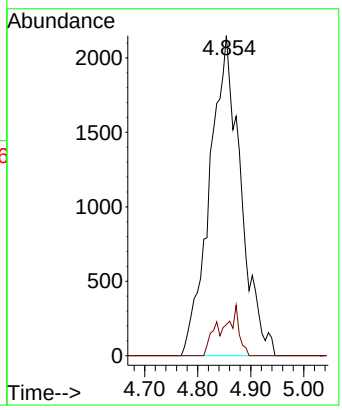


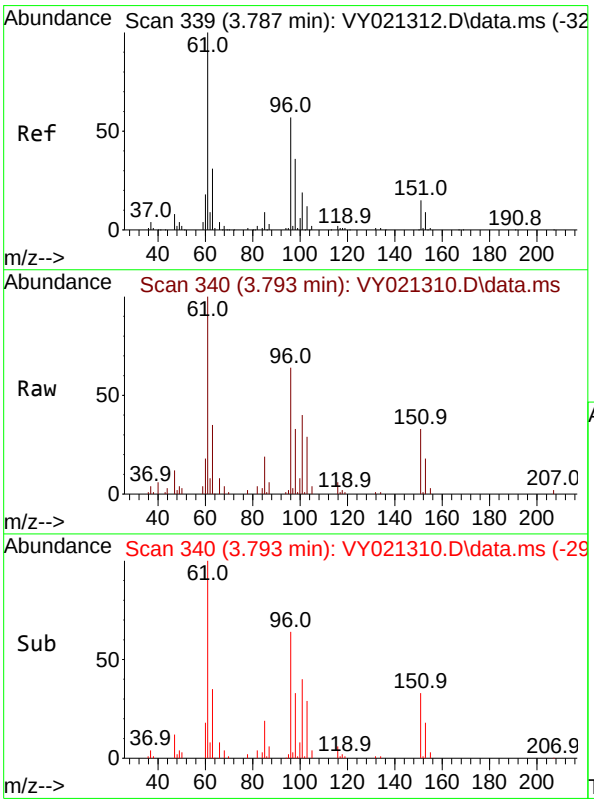
#11
Tert butyl alcohol
Concen: 54.037 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 8754

Ion	Ratio	Lower	Upper
59	100		
57	3.1	8.3	12.5#

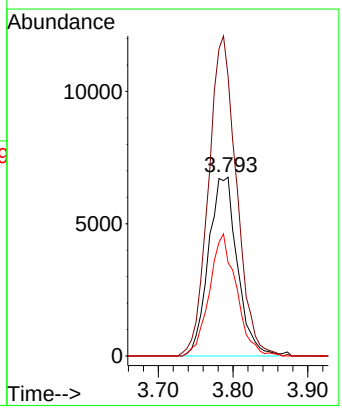


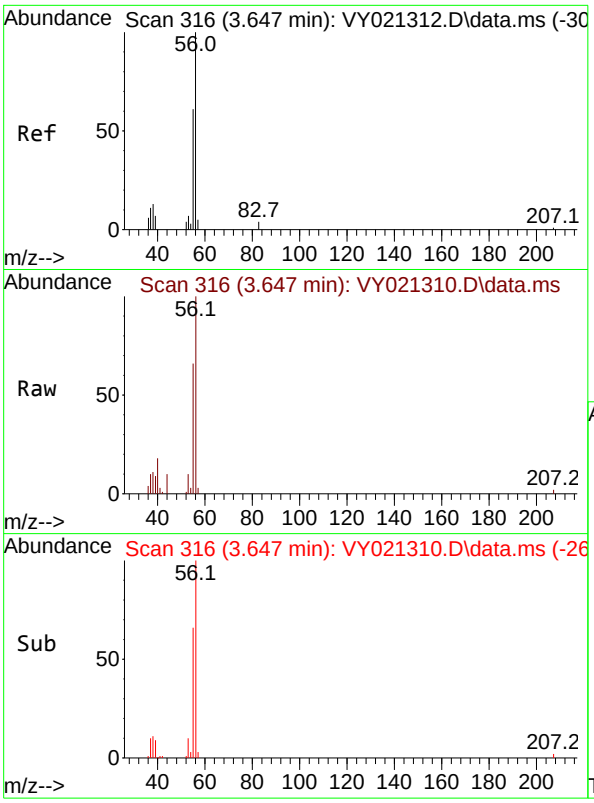


#12
1,1-Dichloroethene
Concen: 9.711 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 18141

Ion	Ratio	Lower	Upper
96	100		
61	156.3	139.7	209.5
98	52.1	49.7	74.5



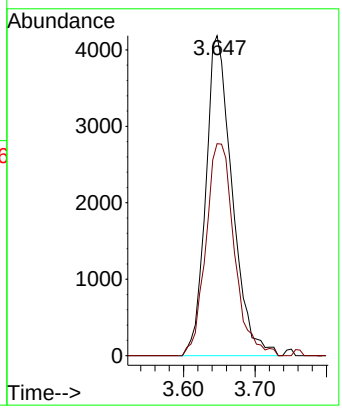


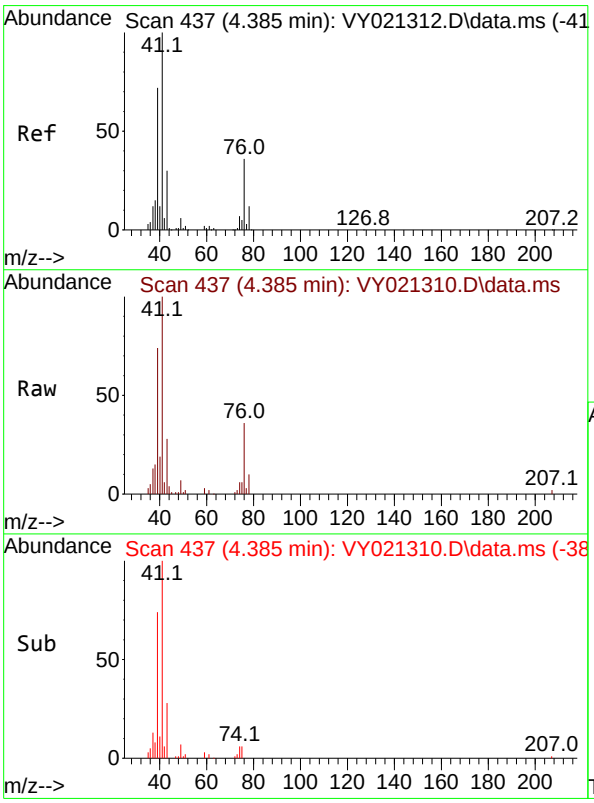
#13
Acrolein
Concen: 86.313 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 10715

Ion	Ratio	Lower	Upper
56	100		
55	71.4	59.0	88.6

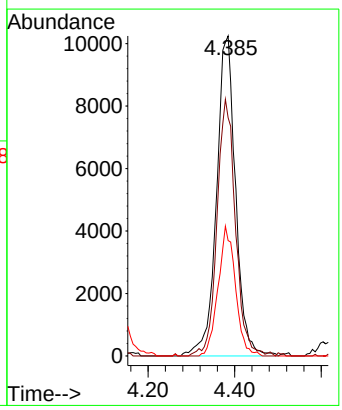


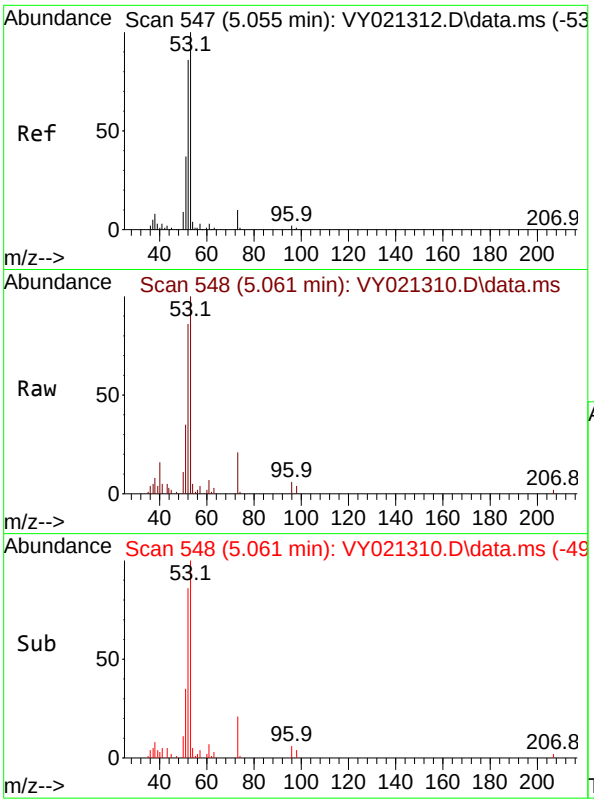


#14
Allyl chloride
Concen: 9.499 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 31462

Ion	Ratio	Lower	Upper
41	100		
39	77.2	60.0	90.0
76	36.9	29.0	43.6



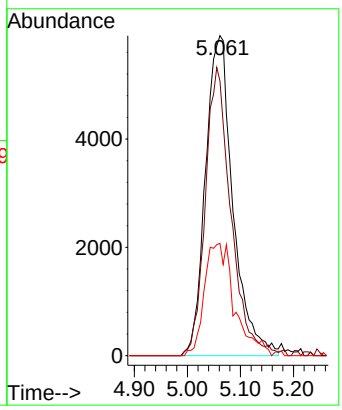


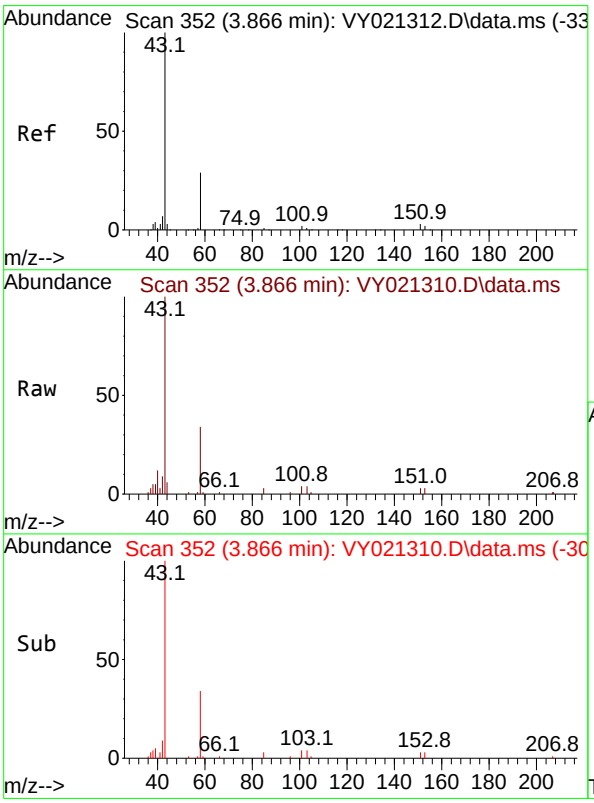
#15
Acrylonitrile
Concen: 47.572 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 21273

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.5	98.3
51	38.5	30.6	46.0

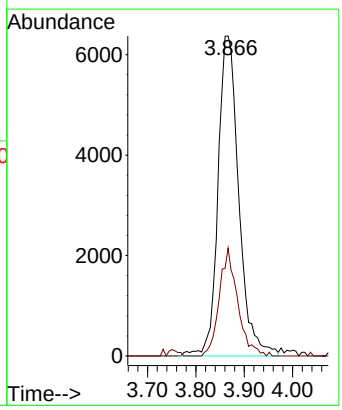


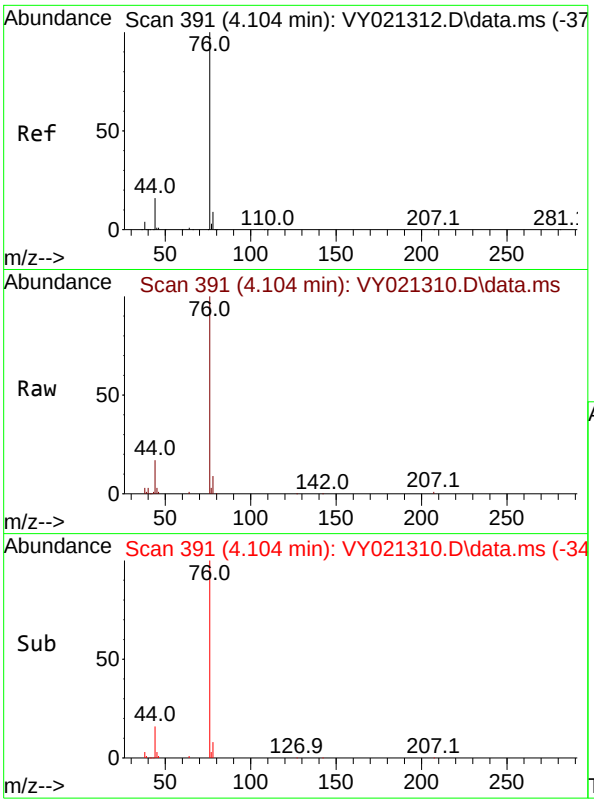


#16
Acetone
Concen: 47.086 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19023

Ion	Ratio	Lower	Upper
43	100		
58	33.7	23.5	35.3



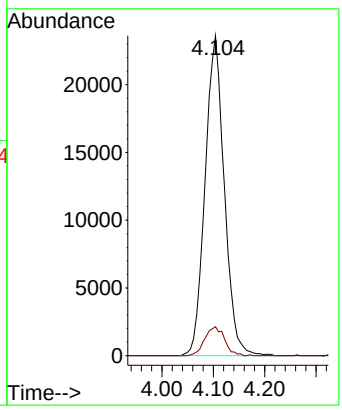


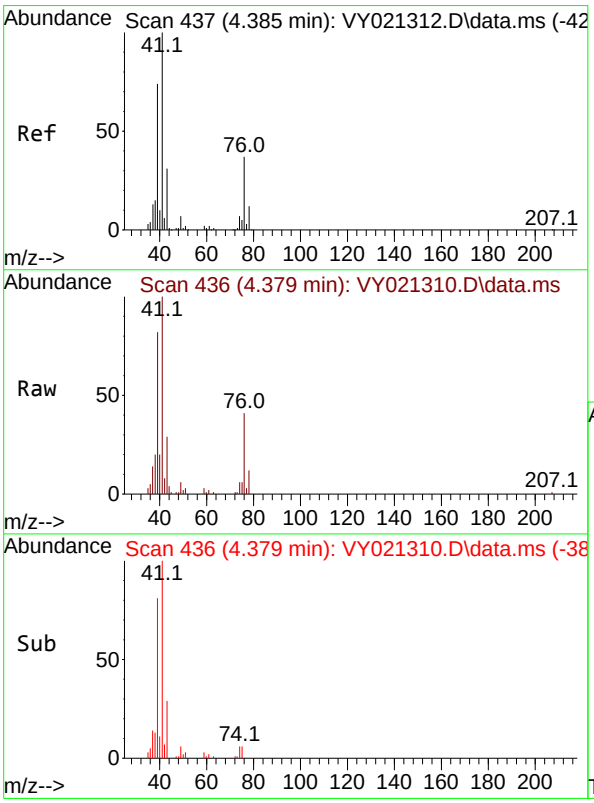
#17
Carbon Disulfide
Concen: 9.888 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 61336

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

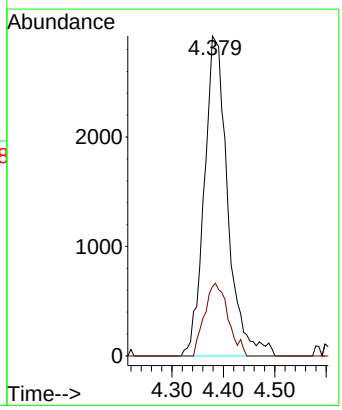


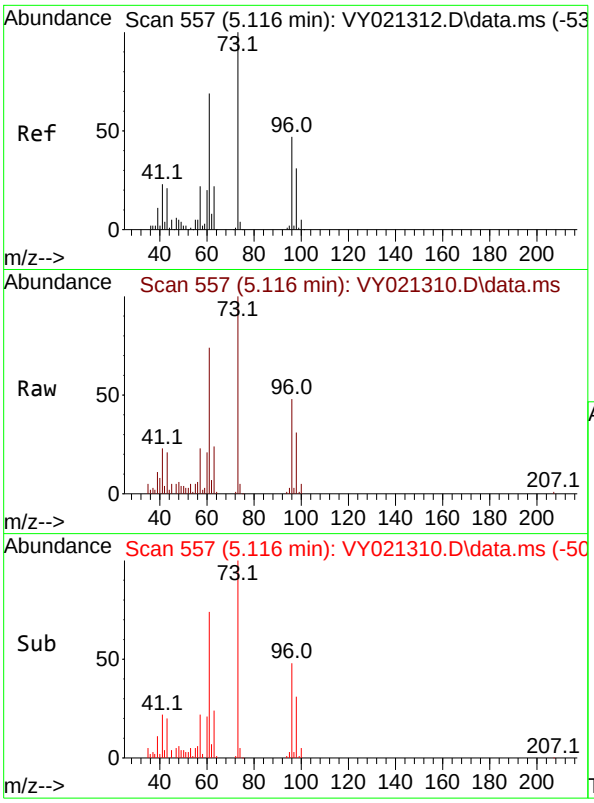


#18
Methyl Acetate
Concen: 9.378 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 9259

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5



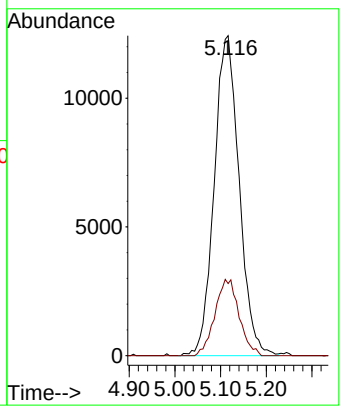


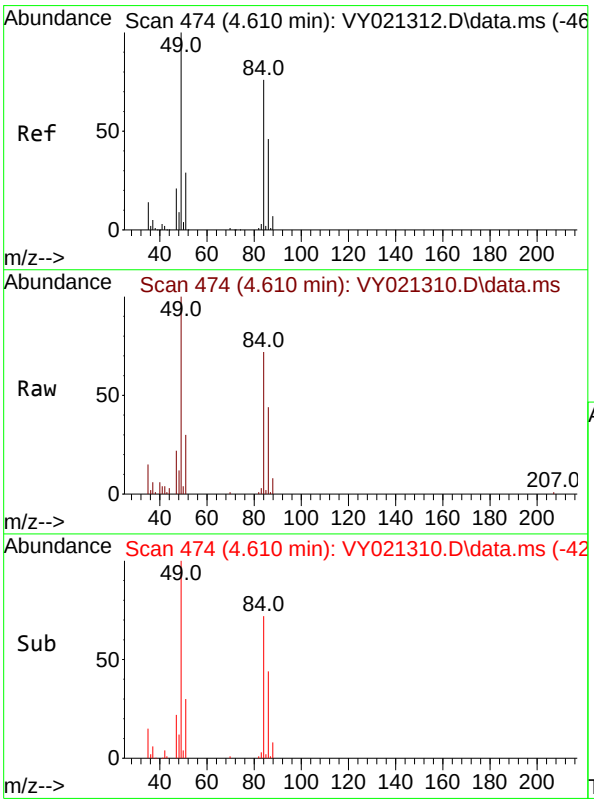
#19
Methyl tert-butyl Ether
Concen: 9.541 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 47090

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.0

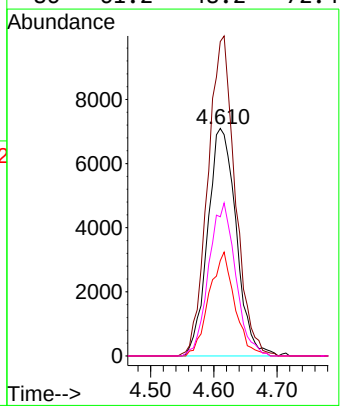


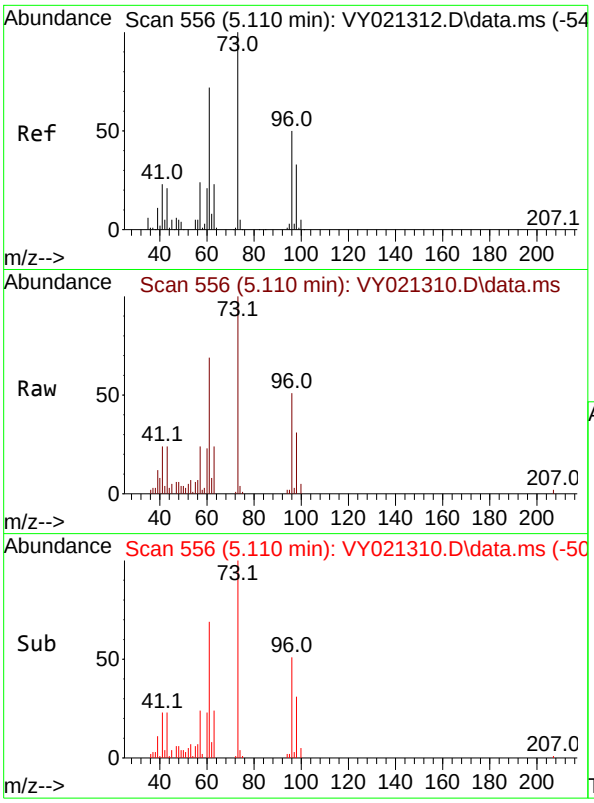


#20
Methylene Chloride
Concen: 10.158 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 84 Resp: 22192

Ion	Ratio	Lower	Upper
84	100		
49	138.2	105.1	157.7
51	41.9	31.0	46.4
86	61.2	48.2	72.4



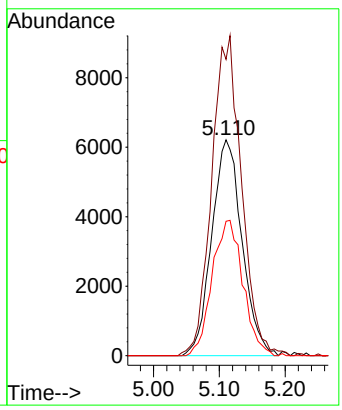


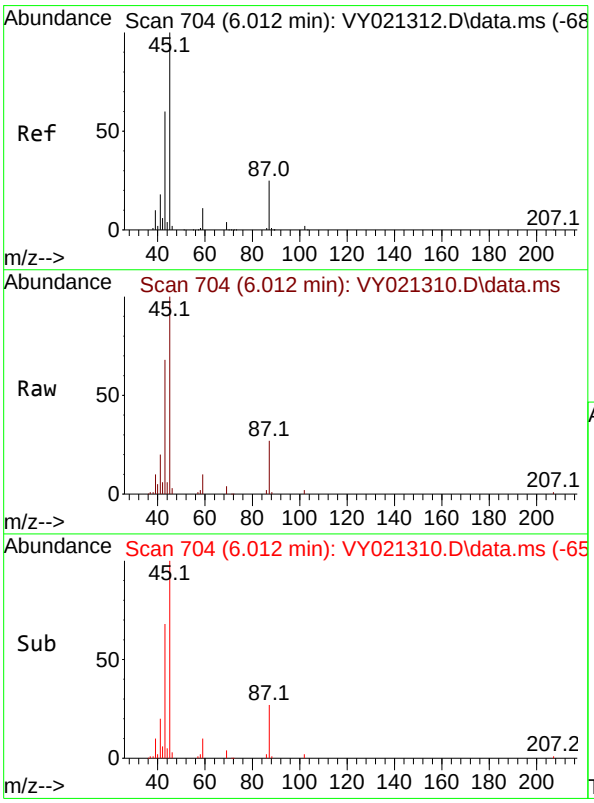
#21
trans-1,2-Dichloroethene
Concen: 9.687 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 19921

Ion	Ratio	Lower	Upper
96	100		
61	137.3	116.3	174.5
98	62.3	52.6	78.8

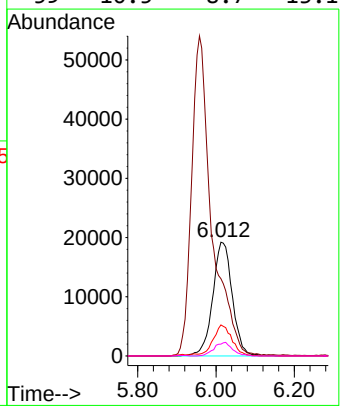


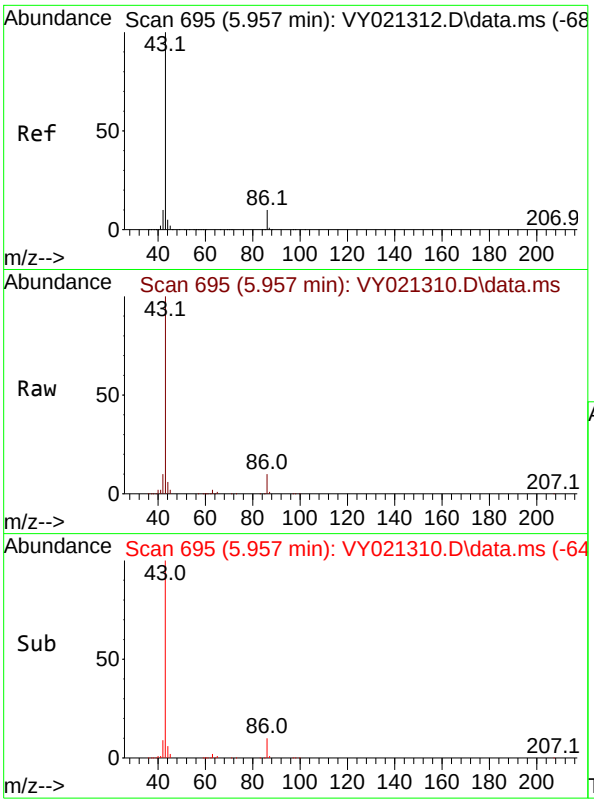


#22
Diisopropyl ether
Concen: 9.717 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 45 Resp: 66598

Ion	Ratio	Lower	Upper
45	100		
43	67.4	48.2	72.4
87	27.4	20.3	30.5
59	10.5	8.7	13.1



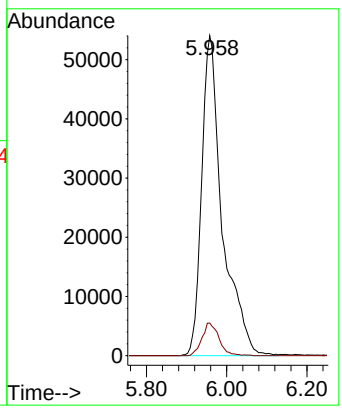


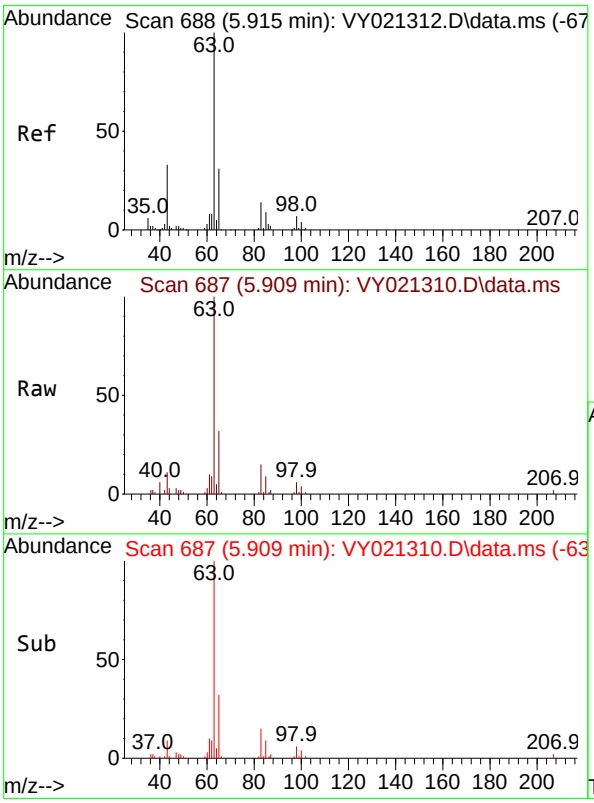
#23
Vinyl Acetate
Concen: 47.195 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 193291

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

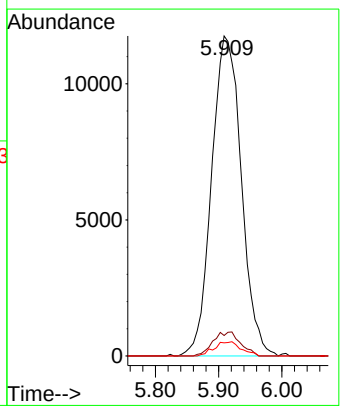


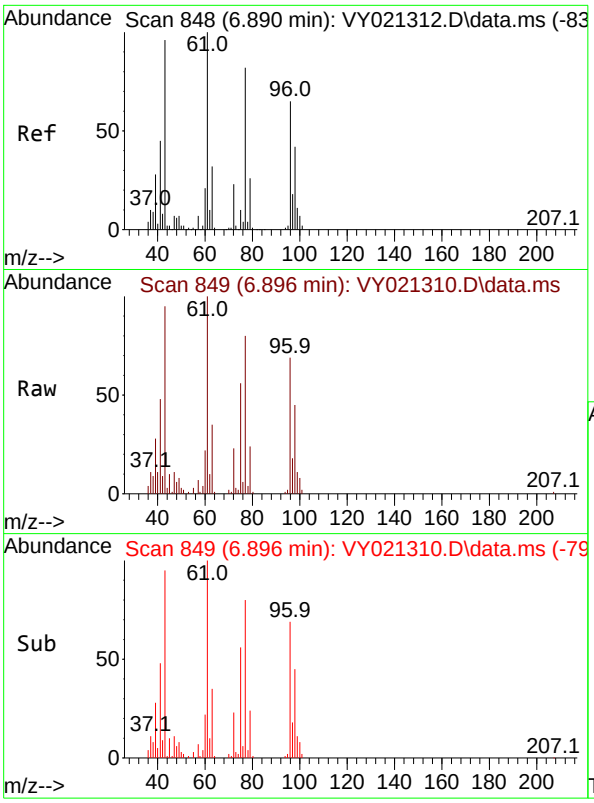


#24
1,1-Dichloroethane
Concen: 9.918 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 38311

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5



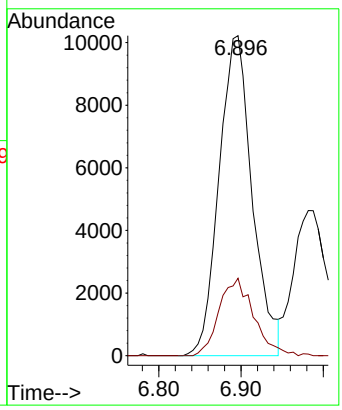


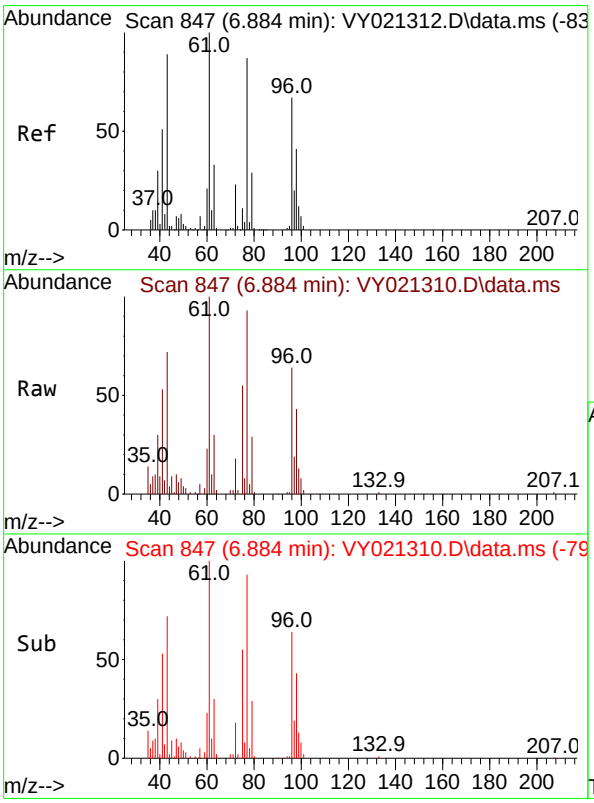
#25
2-Butanone
Concen: 47.087 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 28711

Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.0	28.6

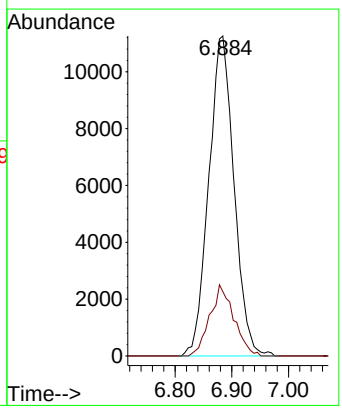


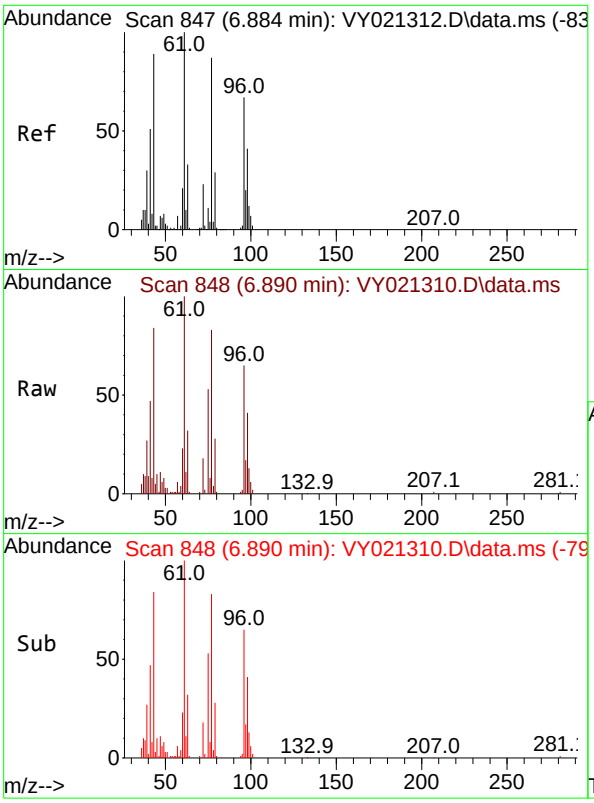


#26
2,2-Dichloropropane
Concen: 9.945 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 77 Resp: 34859

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



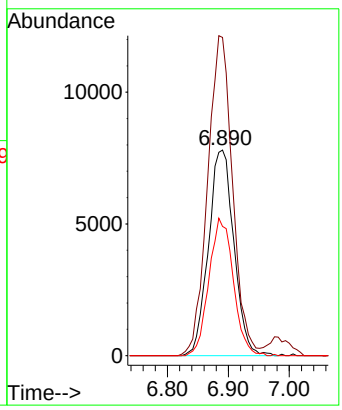


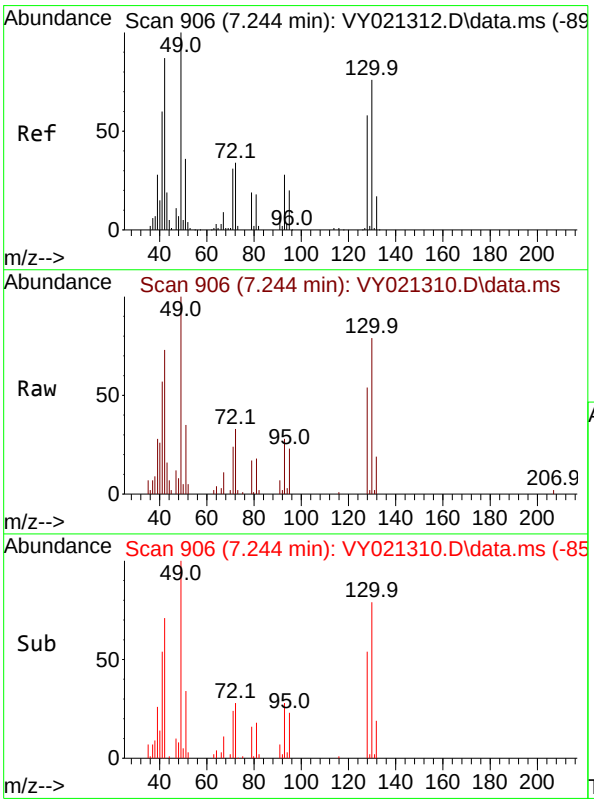
#27
cis-1,2-Dichloroethene
Concen: 9.651 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 22663

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	63.9	0.0	129.6

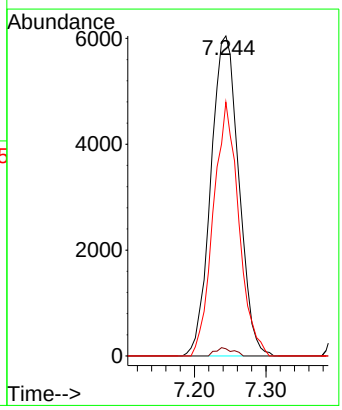


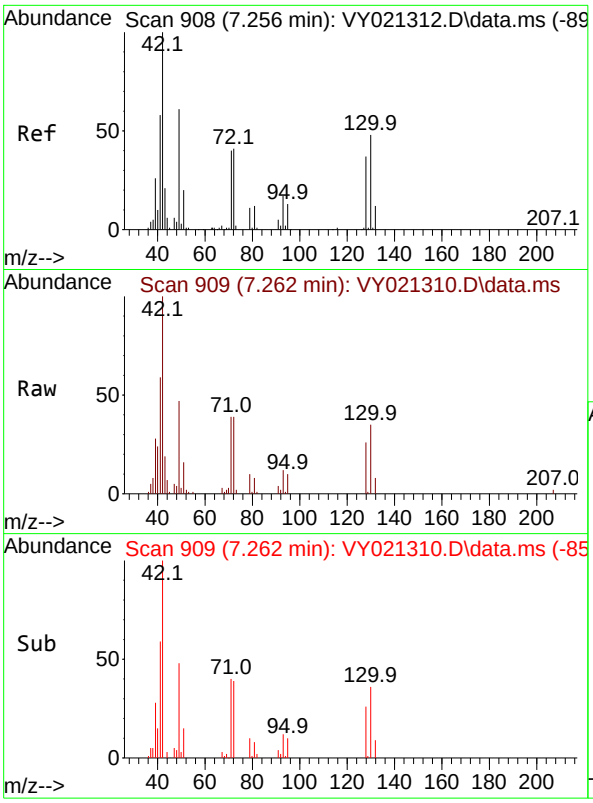


#28
Bromochloromethane
Concen: 9.605 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 49 Resp: 16417

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	72.2	57.8	86.6



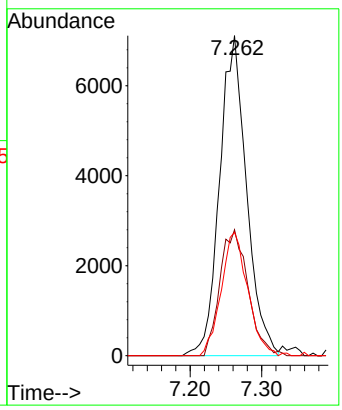


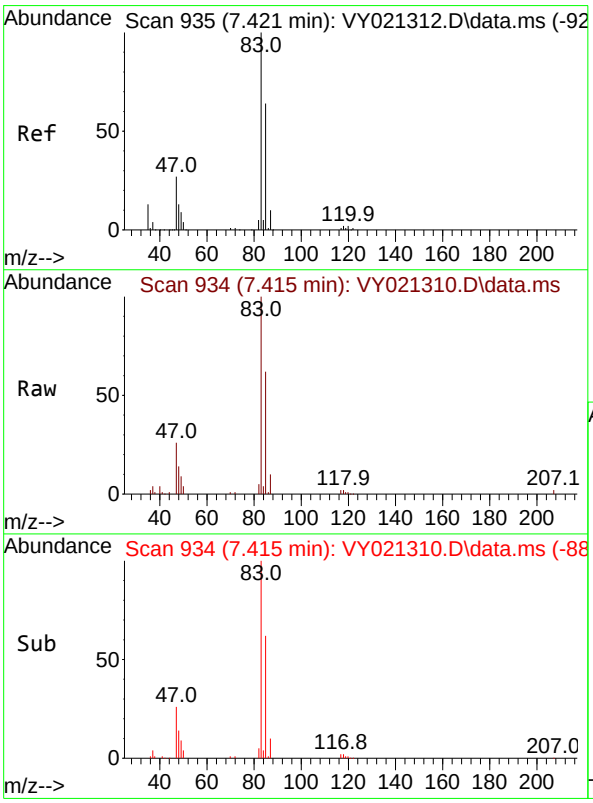
#29
Tetrahydrofuran
Concen: 46.731 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 18625

Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.1	31.4	47.0

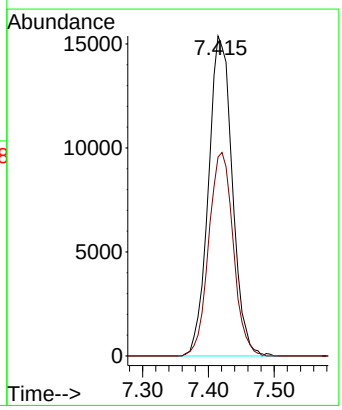


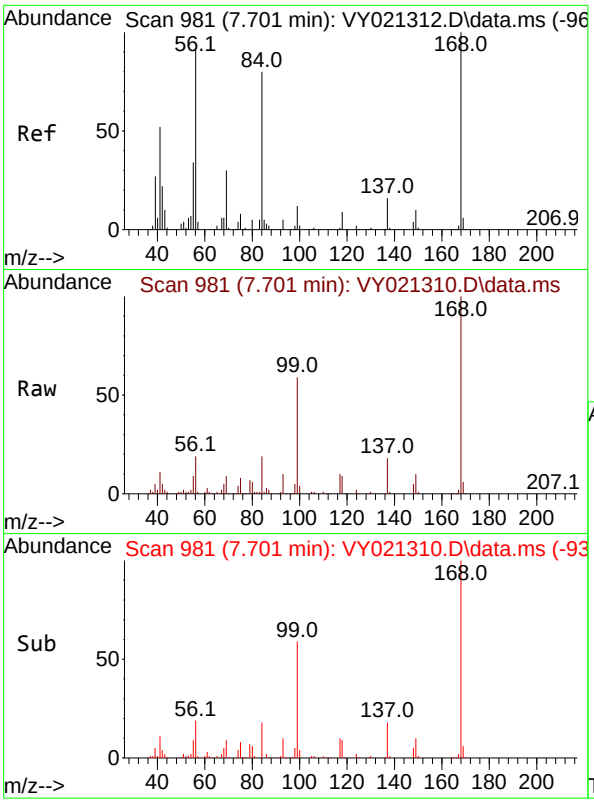


#30
Chloroform
Concen: 9.922 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 38838

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4



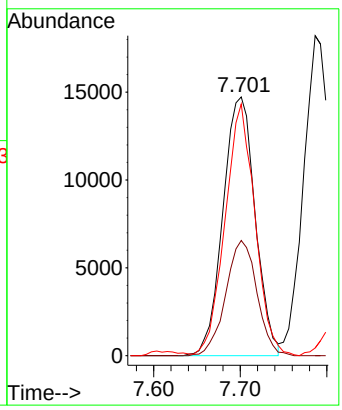


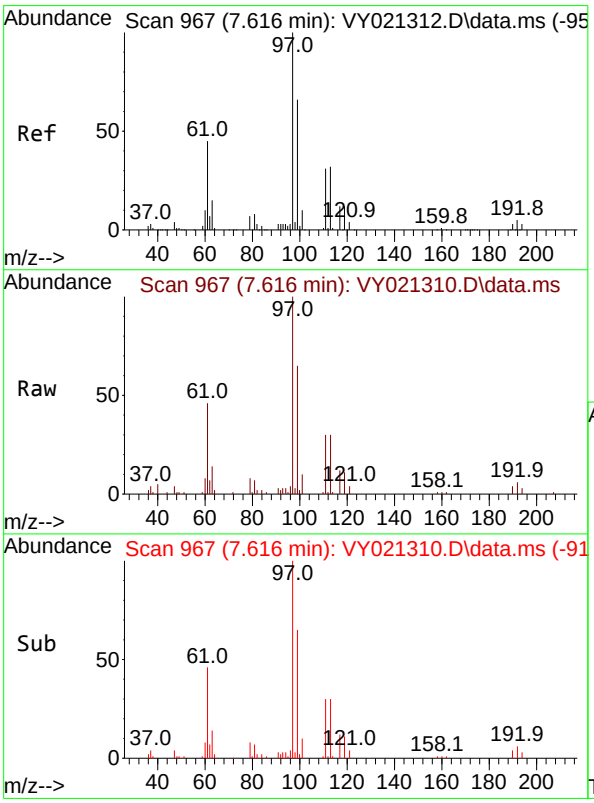
#31
Cyclohexane
Concen: 10.253 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 38072

Ion	Ratio	Lower	Upper
56	100		
69	44.5	26.2	39.4#
84	96.3	70.2	105.4

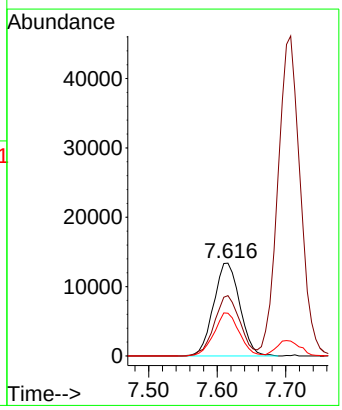


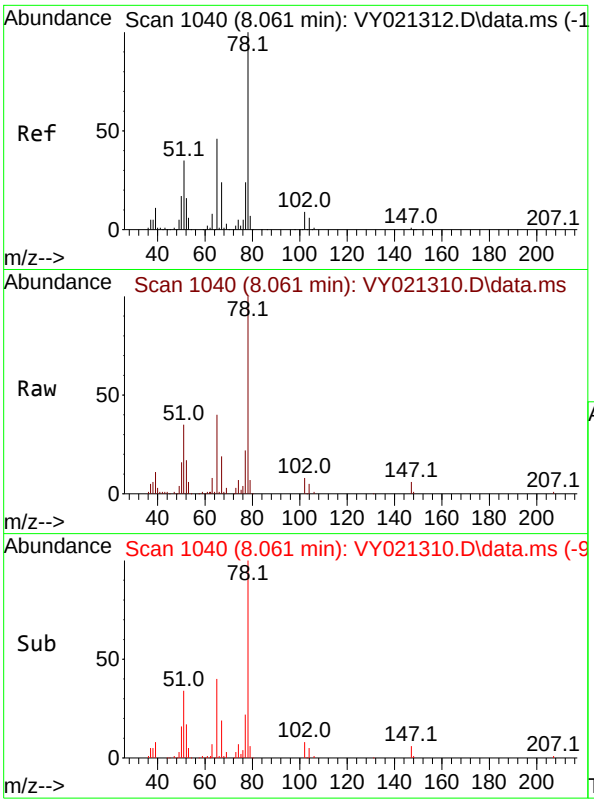


#32
1,1,1-Trichloroethane
Concen: 9.961 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 35489

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	45.1	36.2	54.2



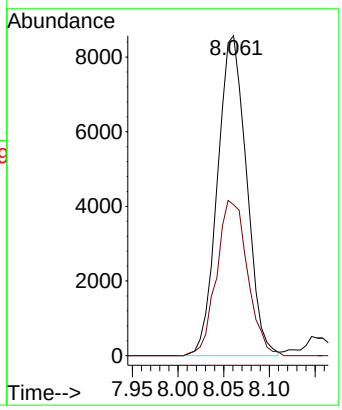


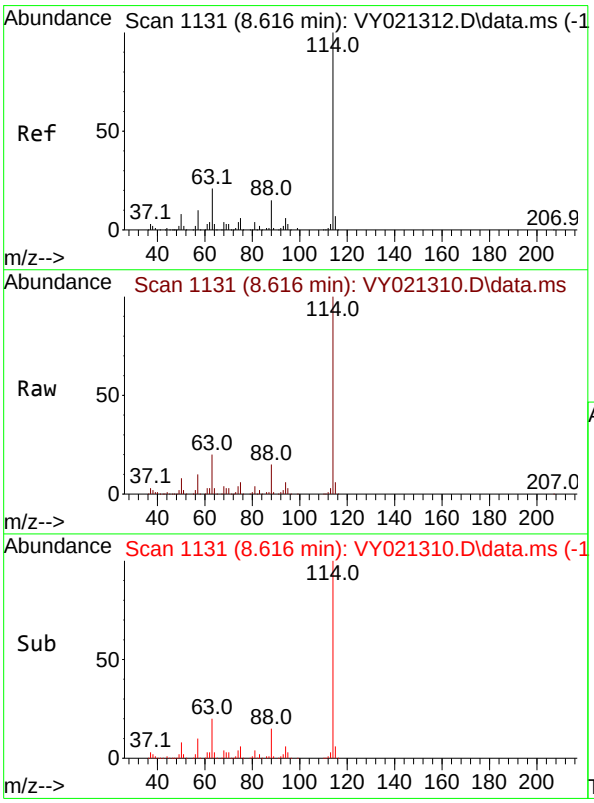
#33
1,2-Dichloroethane-d4
Concen: 8.992 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 18938

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

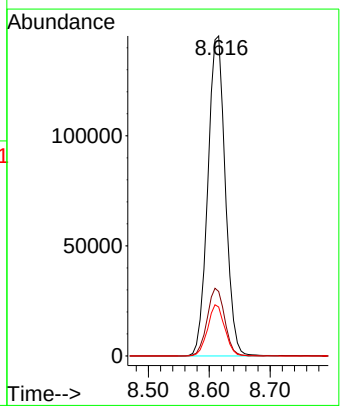


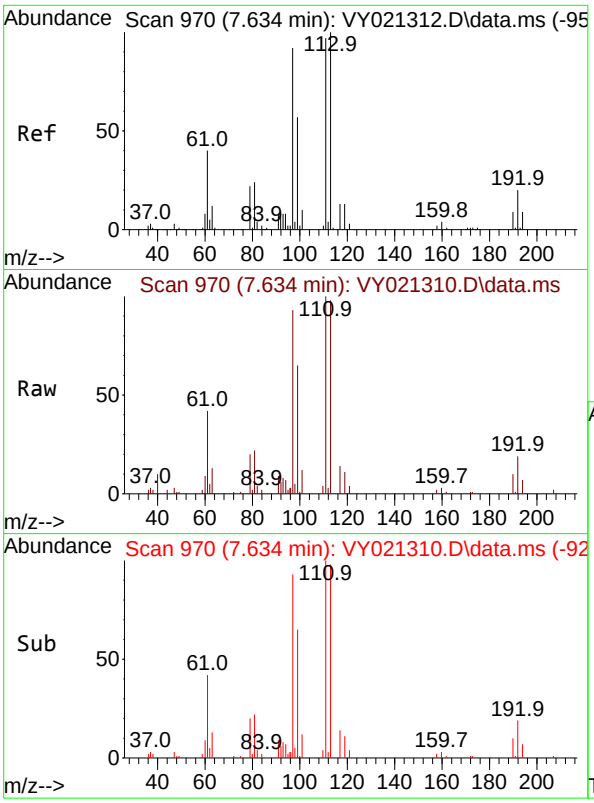


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:114 Resp: 289178

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.2
88	15.3	0.0	29.8



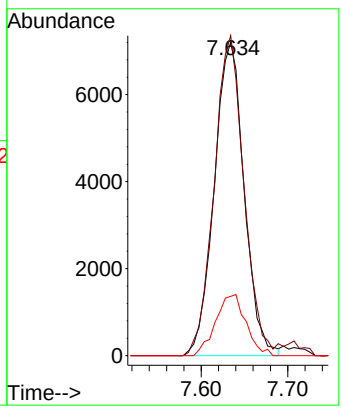


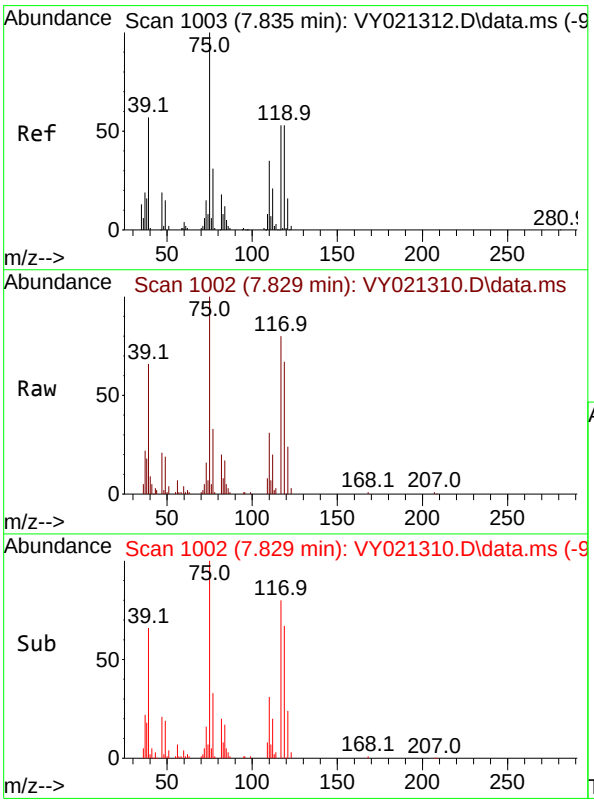
#35
Dibromofluoromethane
Concen: 9.108 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 17267

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	19.7	15.8	23.8

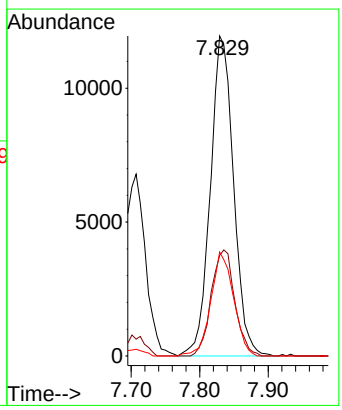


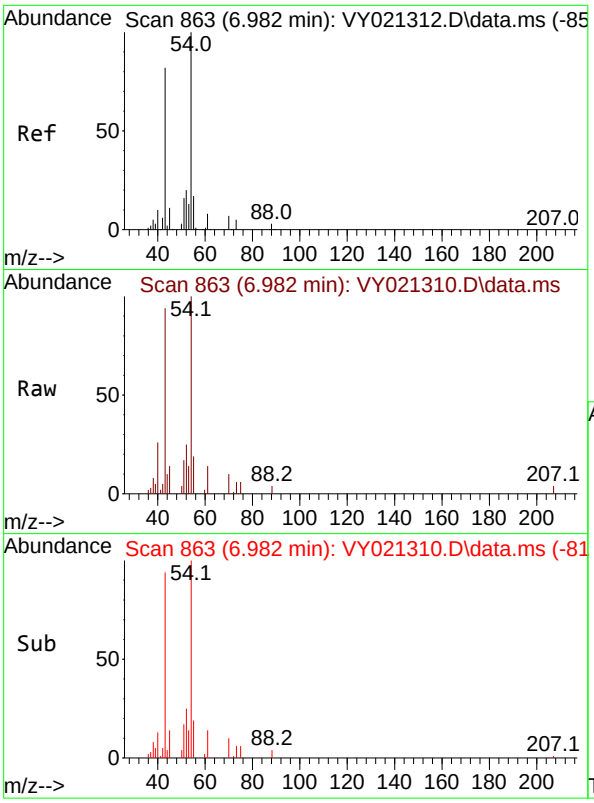


#36
1,1-Dichloropropene
Concen: 9.892 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 28171

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	31.9	24.6	36.8



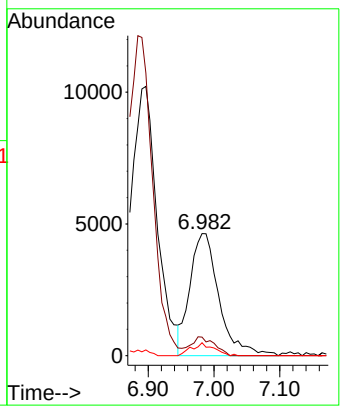


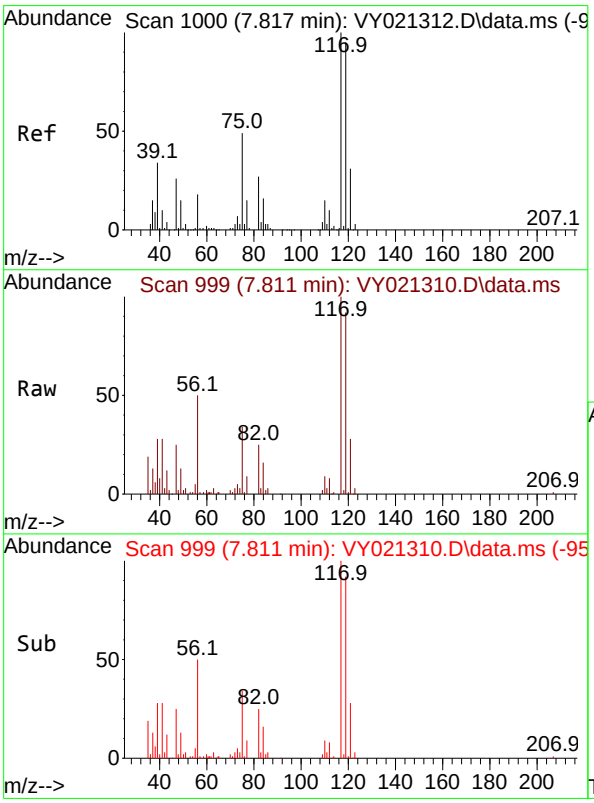
#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 14219

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	8.0	7.5	11.3

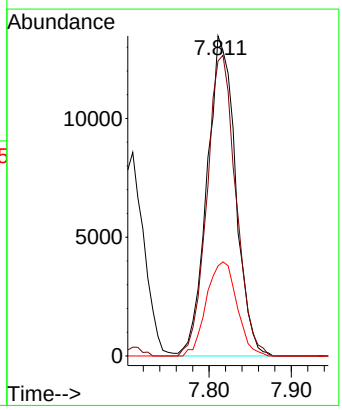


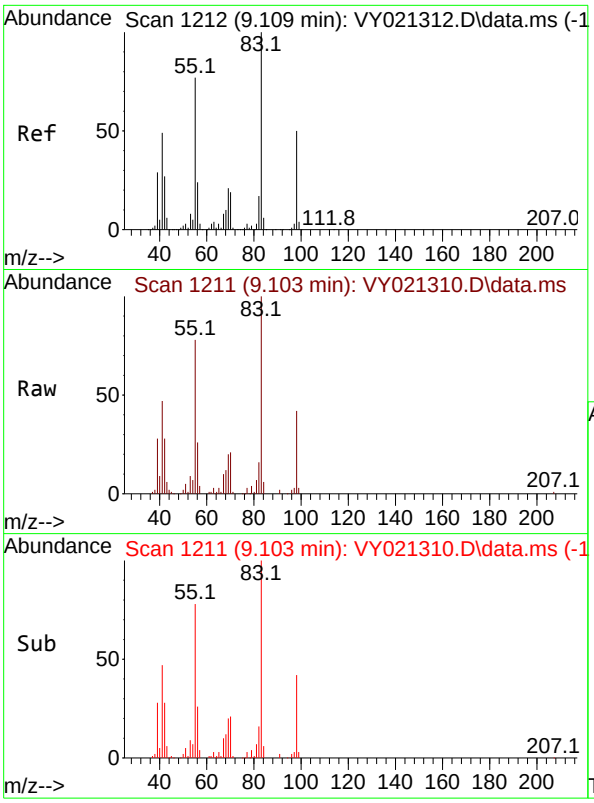


#38
Carbon Tetrachloride
Concen: 10.149 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 32494

Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.0	114.0
121	28.1	24.9	37.3



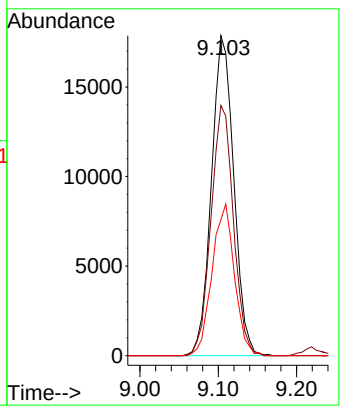


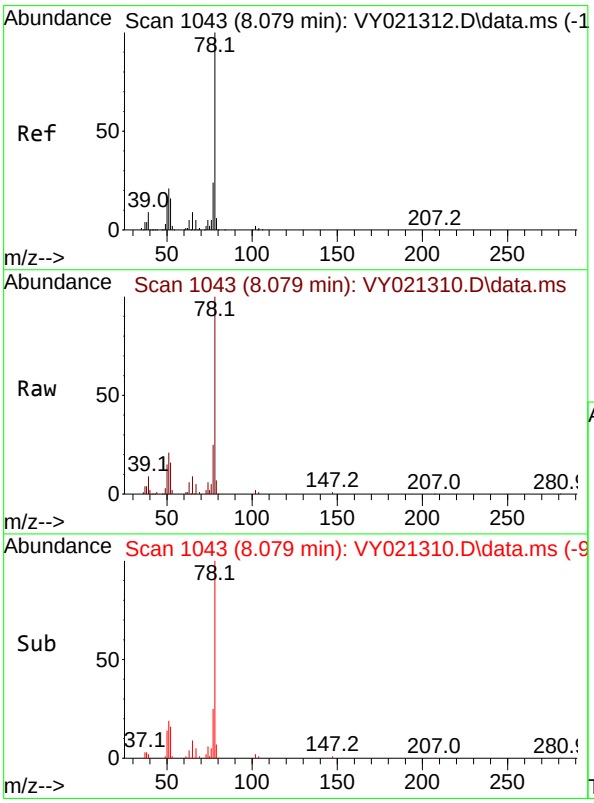
#39
Methylcyclohexane
Concen: 9.837 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 35431

Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.3	91.9
98	42.5	39.9	59.9

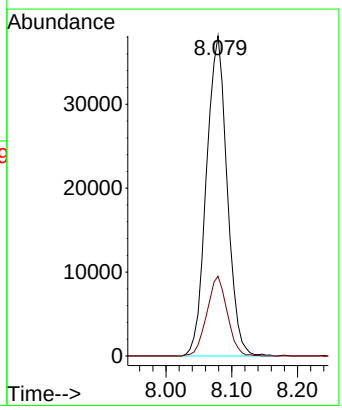


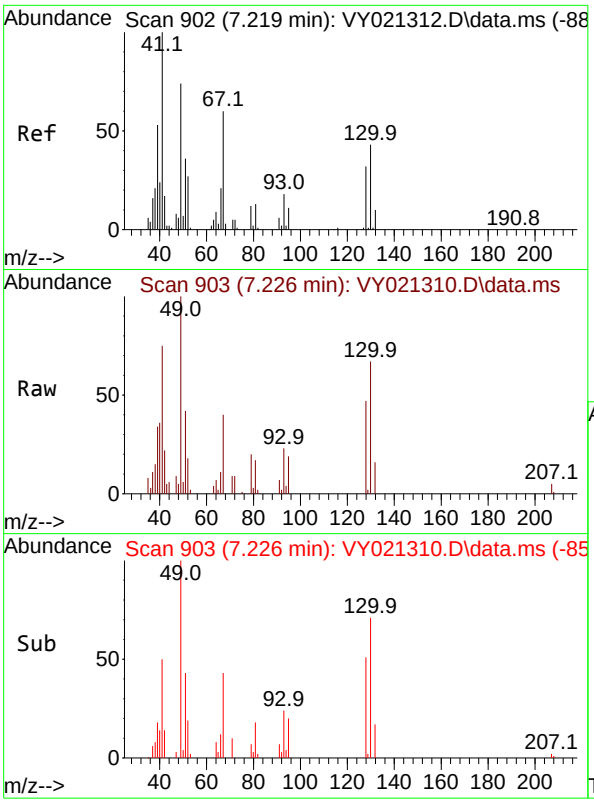


#40
Benzene
Concen: 9.930 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 78 Resp: 83594

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8



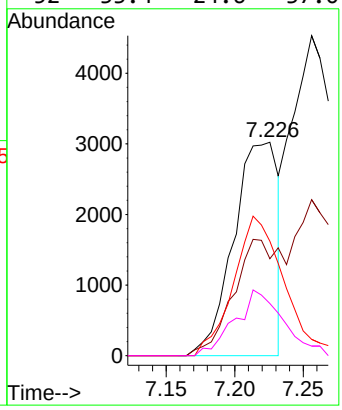


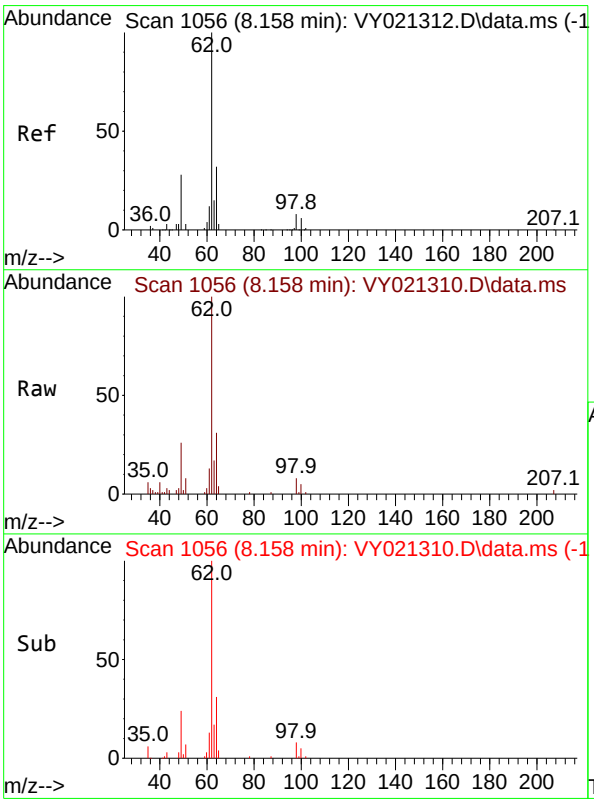
#41
Methacrylonitrile
Concen: 8.642 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 6845

Ion	Ratio	Lower	Upper
41	100		
39	60.5	42.3	63.5
67	74.2	54.8	82.2
52	33.4	24.6	37.0

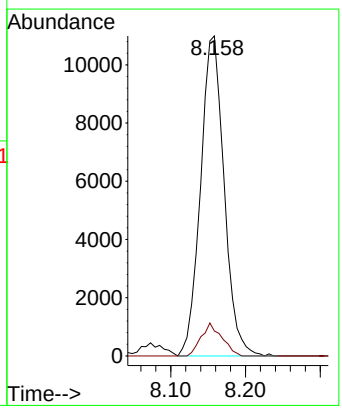


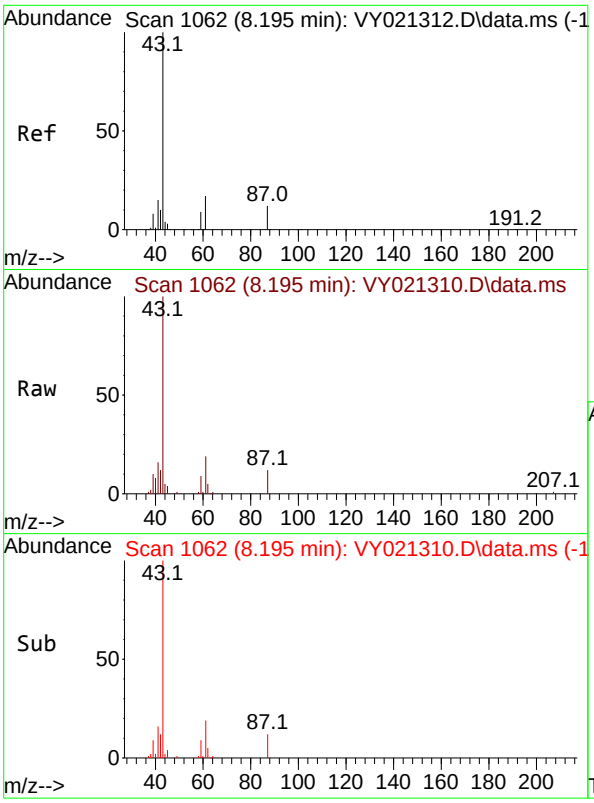


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 24091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



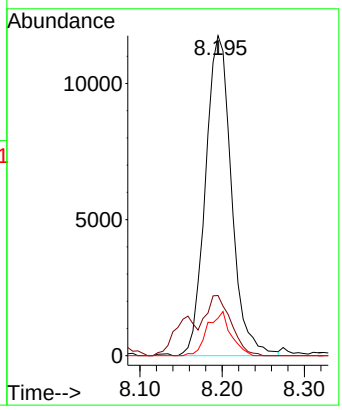


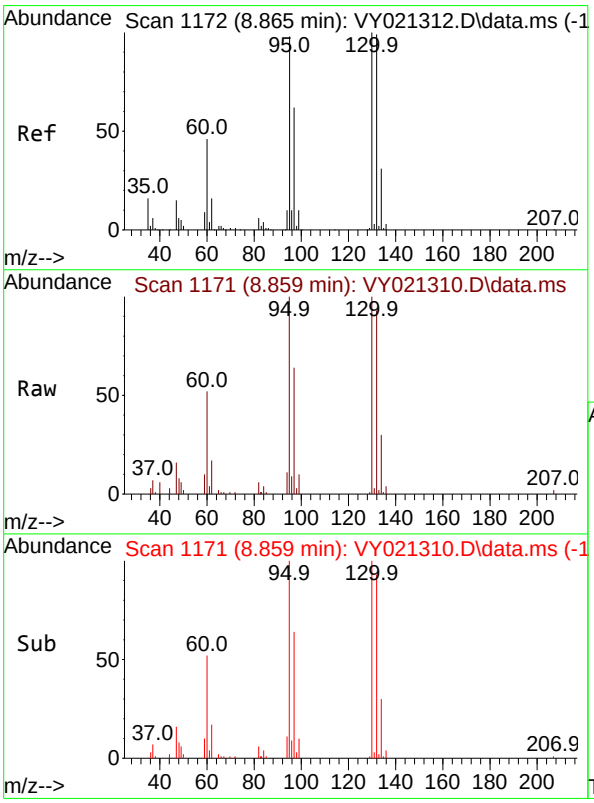
#43
Isopropyl Acetate
Concen: 9.436 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 25874

Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.0	22.6
87	12.3	10.0	15.0

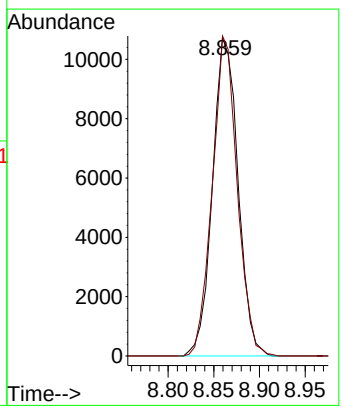


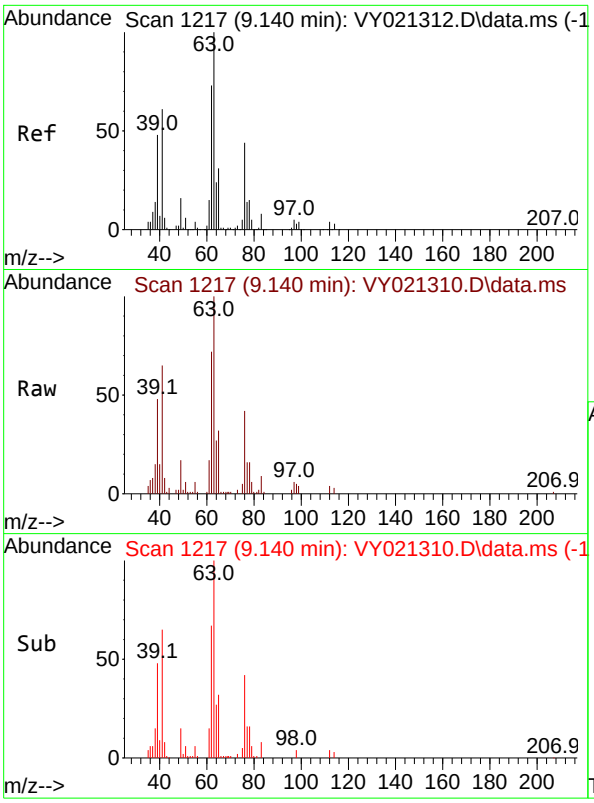


#44
Trichloroethene
Concen: 9.880 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:130 Resp: 20823

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	196.0



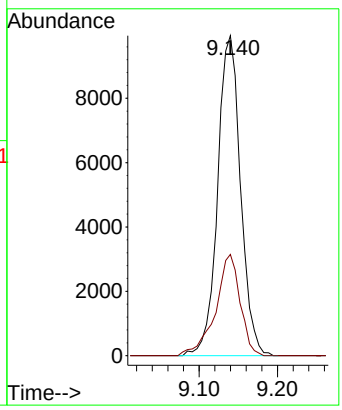


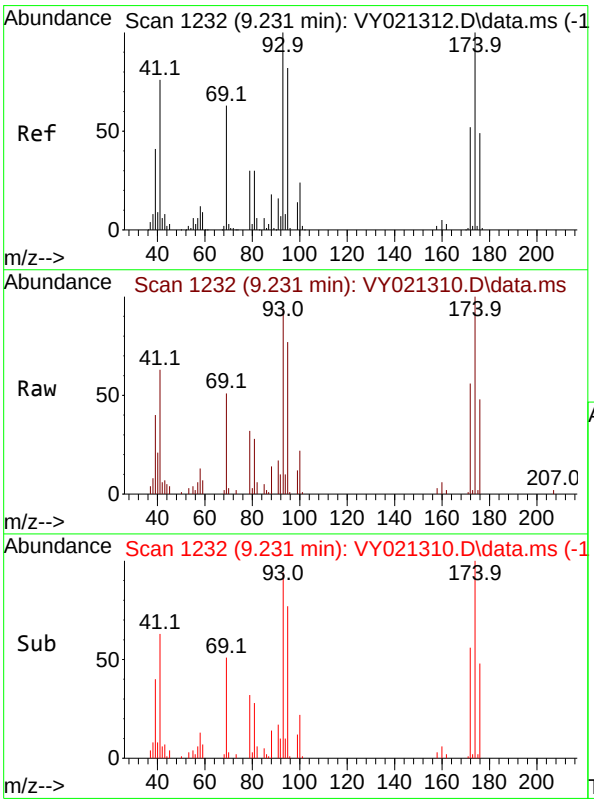
#45
1,2-Dichloropropane
Concen: 9.978 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 20214

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	36.8

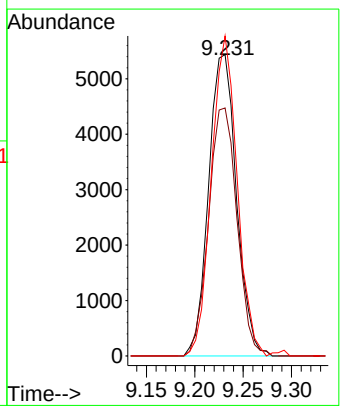


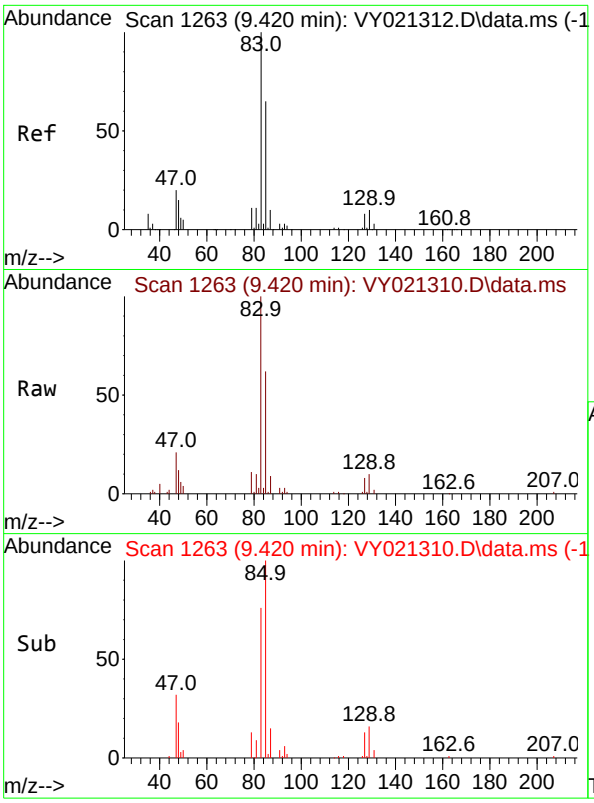


#46
Dibromomethane
Concen: 9.845 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 93 Resp: 10902

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.4	99.6
174	98.2	78.2	117.2



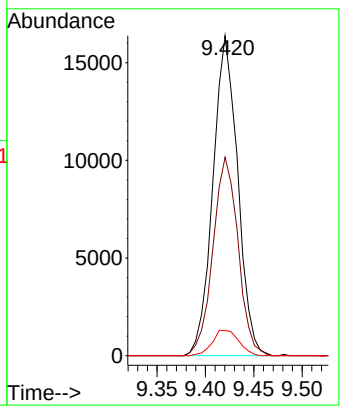


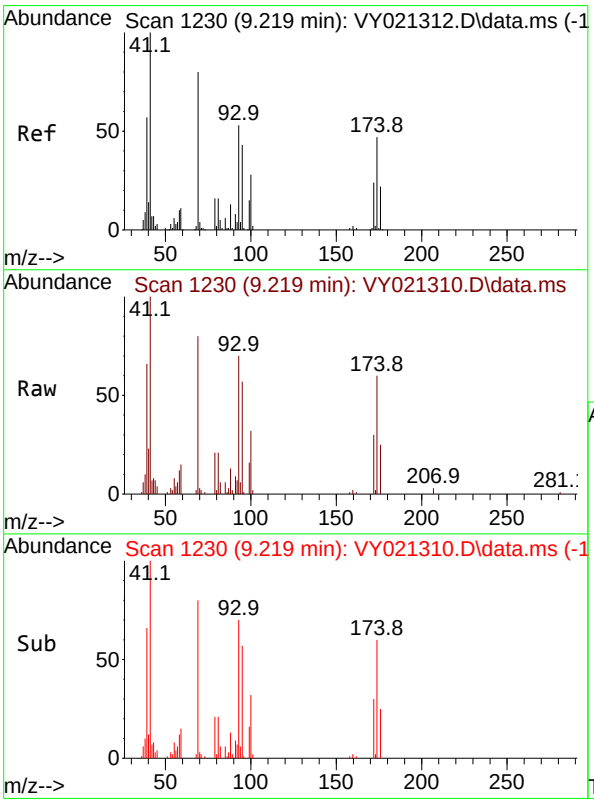
#47
Bromodichloromethane
Concen: 9.860 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 29114

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.8
127	7.9	6.7	10.1

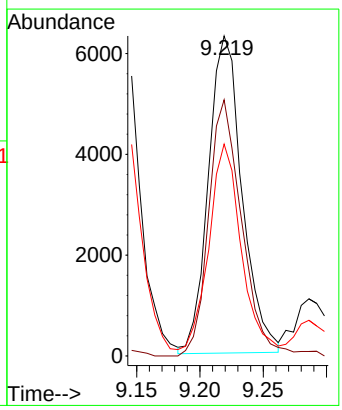


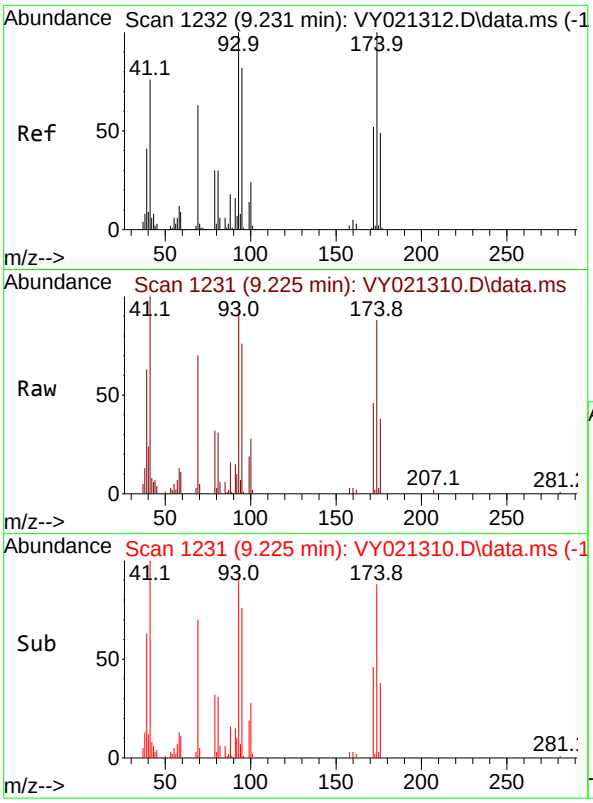


#48
Methyl methacrylate
Concen: 9.088 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 11652

Ion	Ratio	Lower	Upper
41	100		
69	80.1	63.3	94.9
39	61.7	45.0	67.6



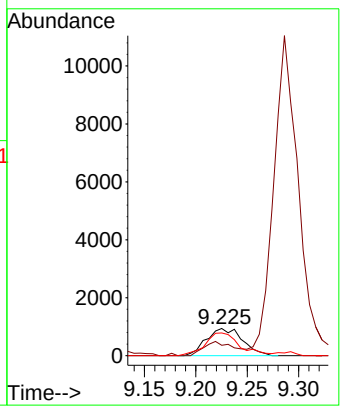


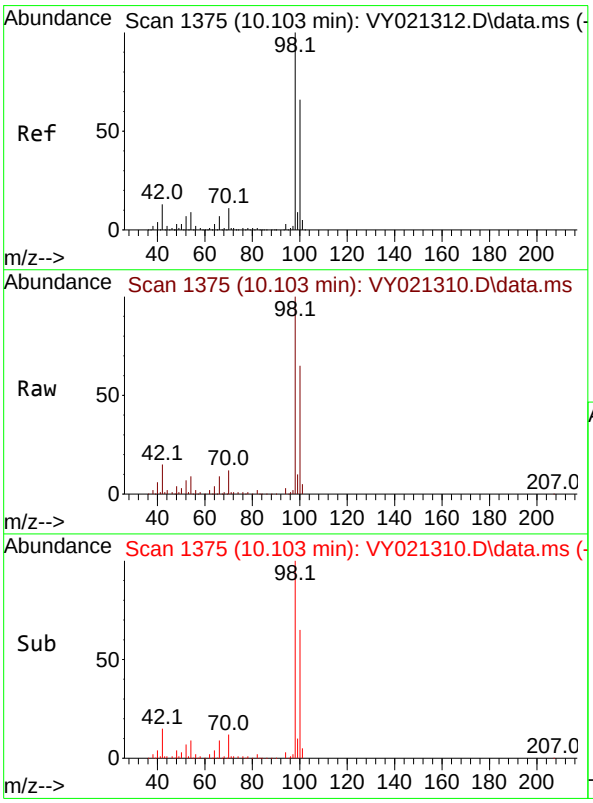
#49
1,4-Dioxane
Concen: 187.520 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 2309

Ion	Ratio	Lower	Upper
88	100		
43	44.1	34.8	52.2
58	79.5	59.8	89.6

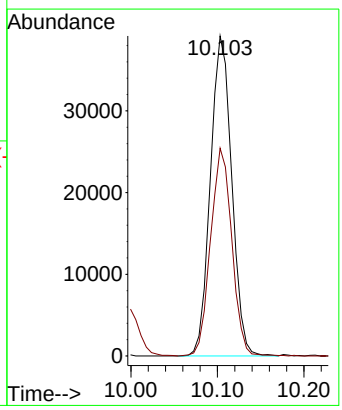


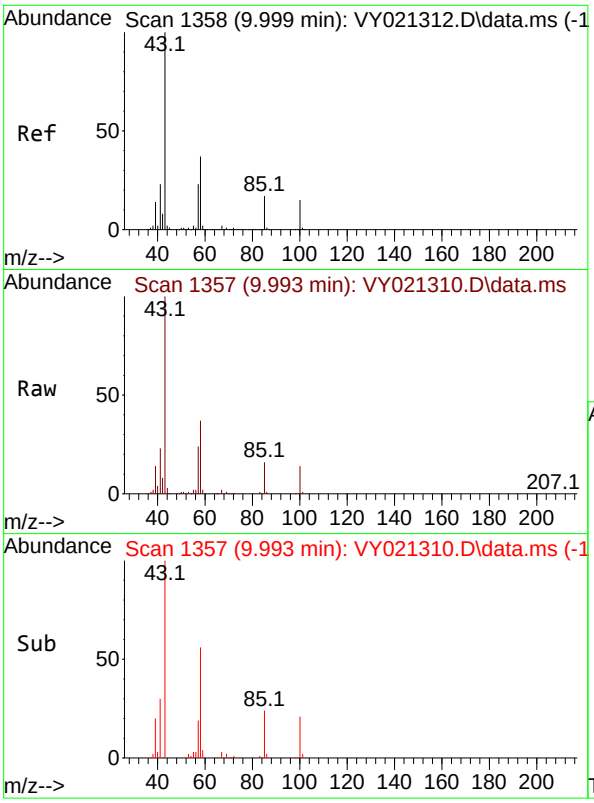


#50
Toluene-d8
Concen: 9.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 98 Resp: 66979

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6



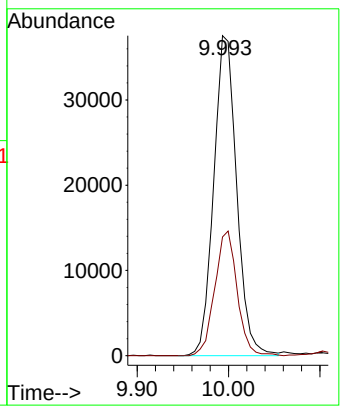


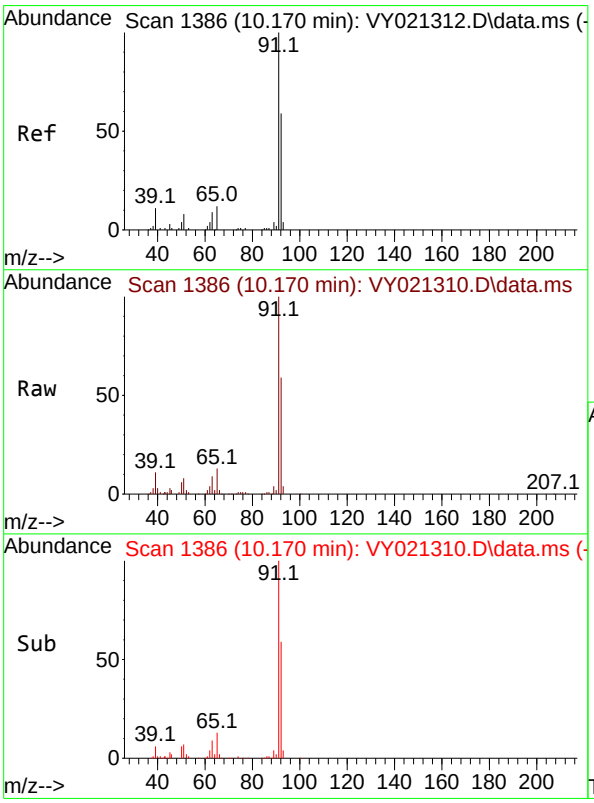
#51
4-Methyl-2-Pentanone
Concen: 46.808 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 65698

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1

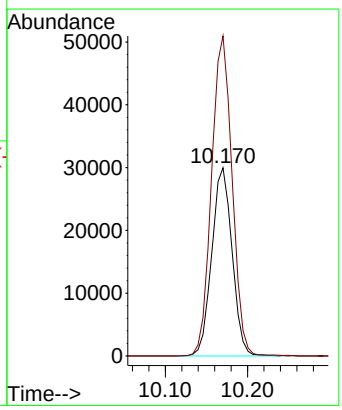


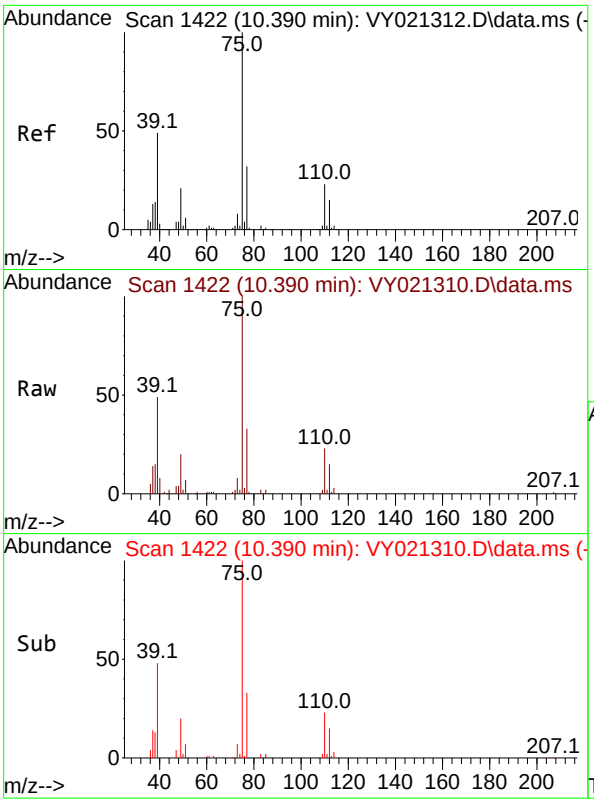


#52
Toluene
Concen: 9.823 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 92 Resp: 51371

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8



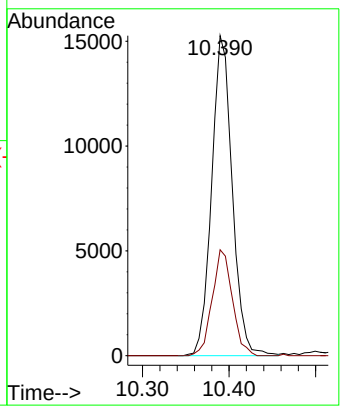


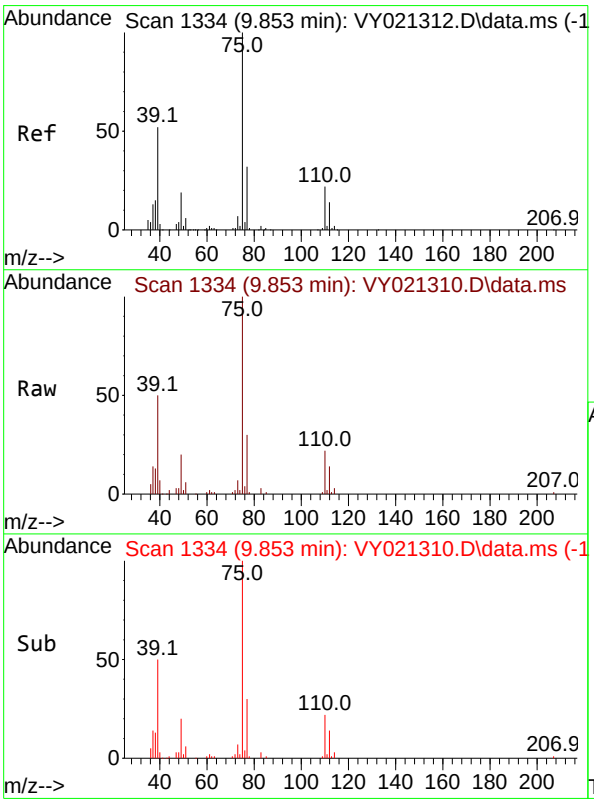
#53
t-1,3-Dichloropropene
Concen: 9.322 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 25218

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.3	37.9

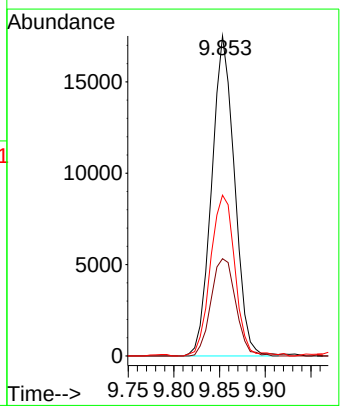


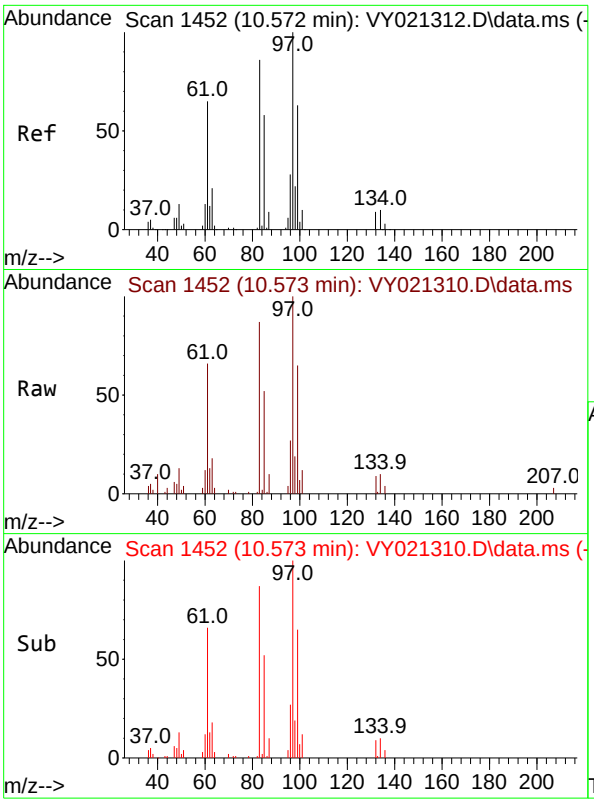


#54
cis-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 30428

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.7	38.5
39	50.2	41.8	62.6



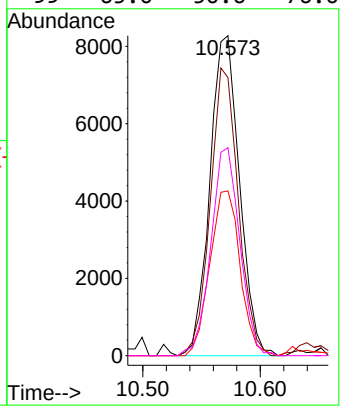


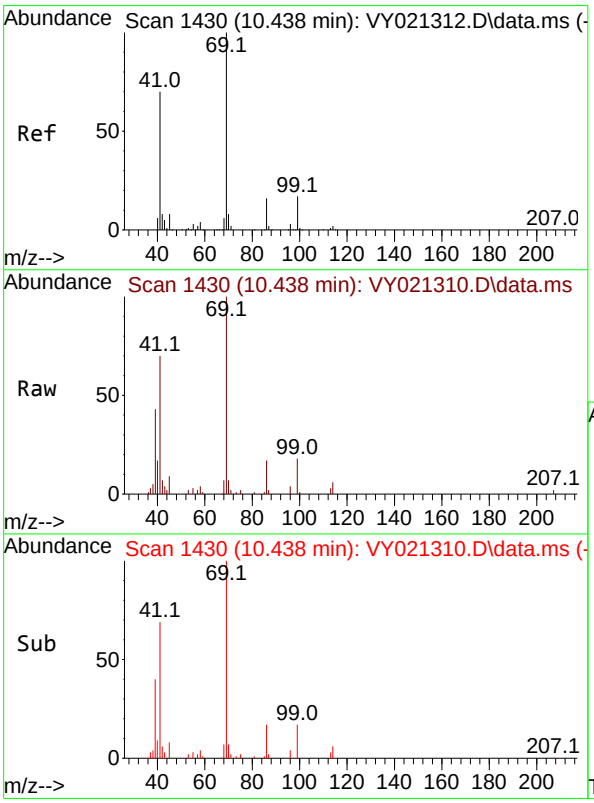
#55
1,1,2-Trichloroethane
Concen: 10.057 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 14509

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	51.5	46.3	69.5
99	65.0	50.6	76.0

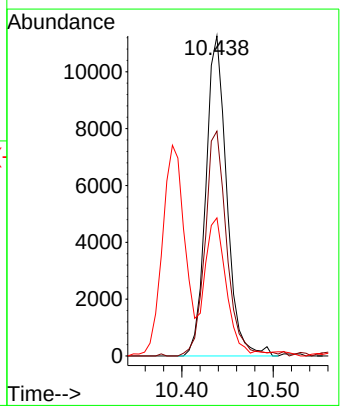


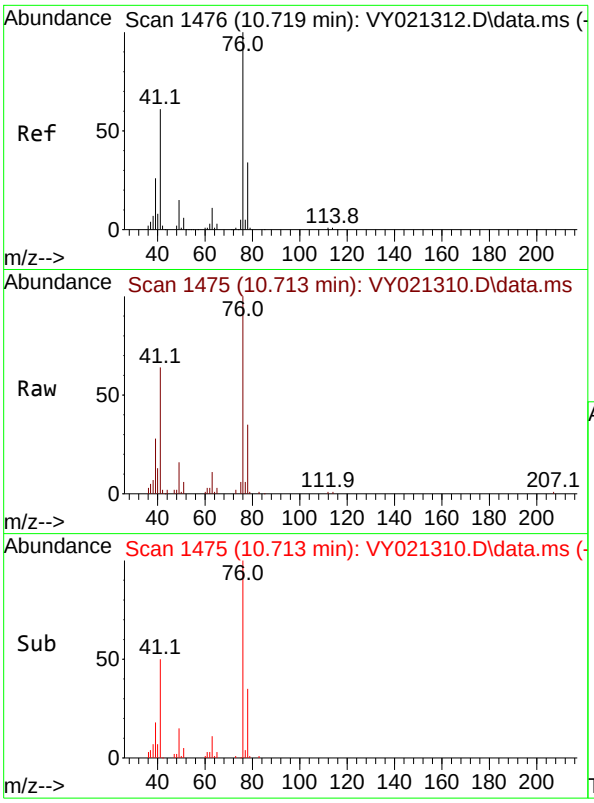


#56
Ethyl methacrylate
Concen: 8.938 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 69 Resp: 17817

Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.2	84.4
39	43.1	32.7	49.1



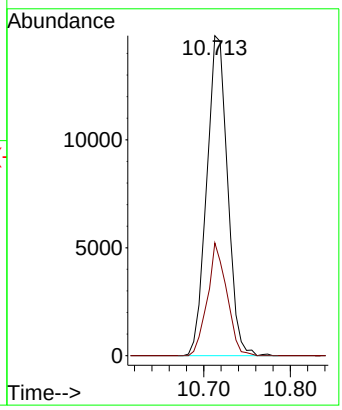


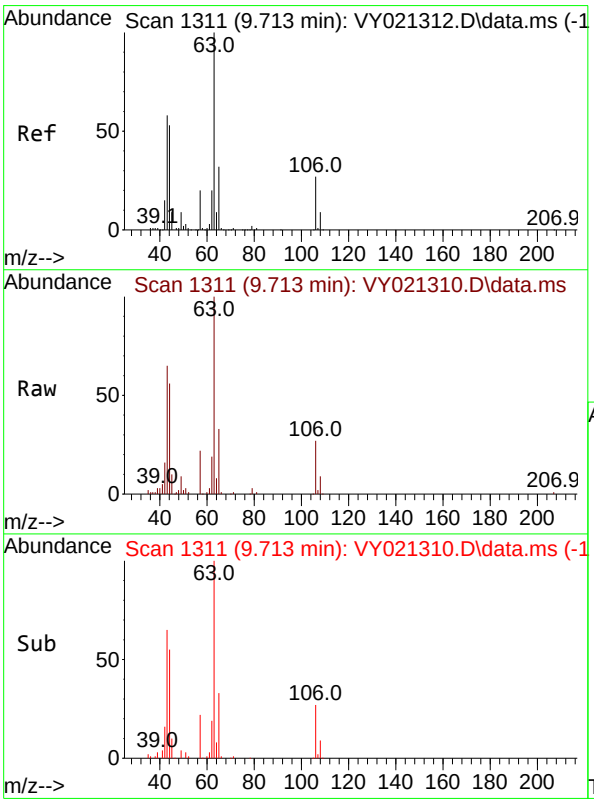
#57
1,3-Dichloropropane
Concen: 9.784 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 24769

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

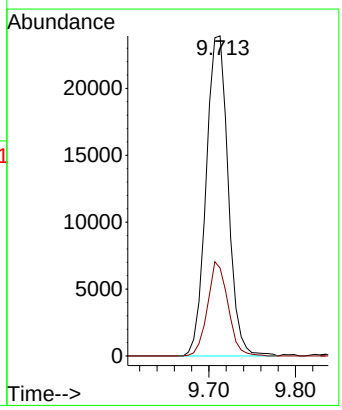


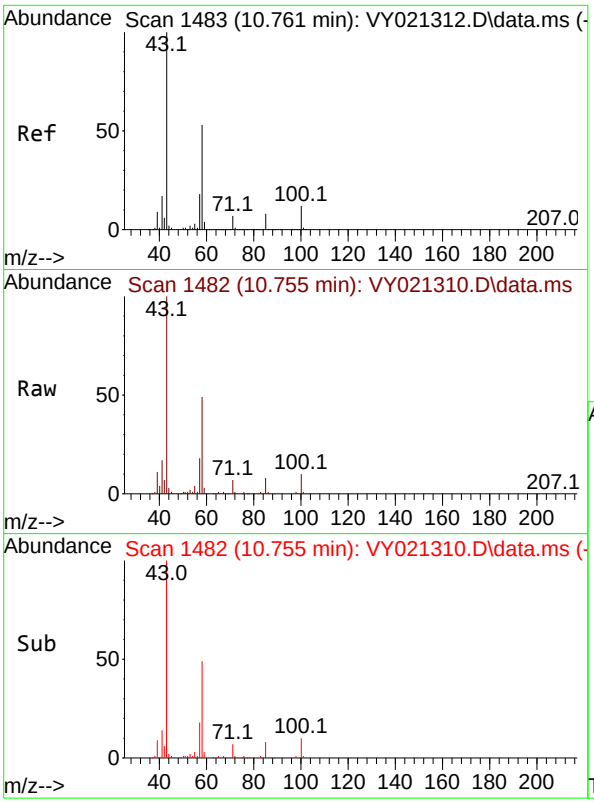


#58
2-Chloroethyl Vinyl ether
Concen: 44.215 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 42304

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5



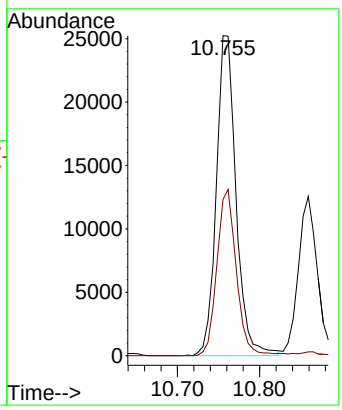


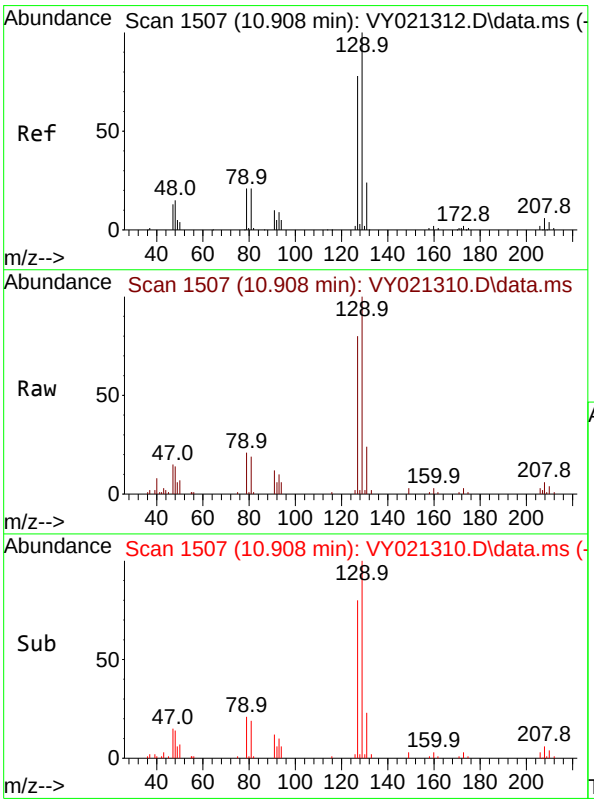
#59
2-Hexanone
Concen: 45.697 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 42123

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

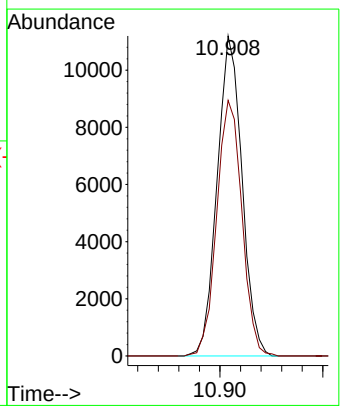


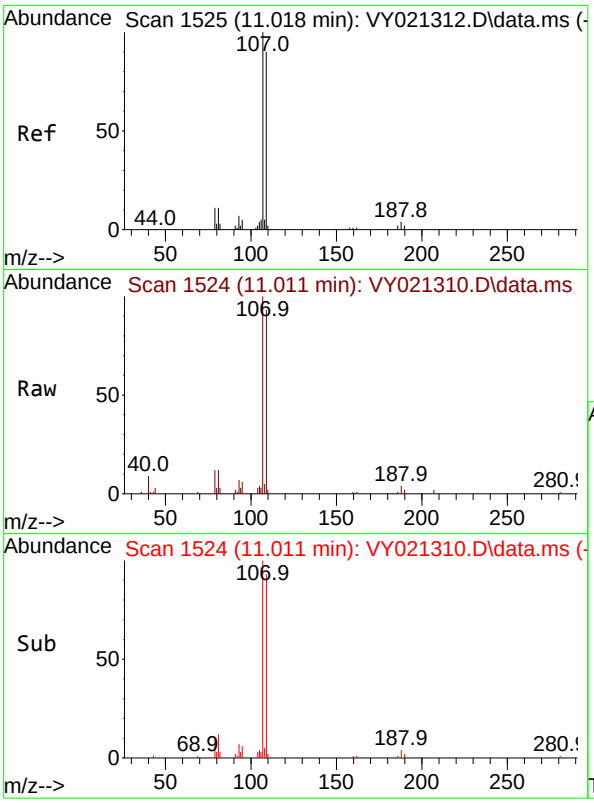


#60
Dibromochloromethane
Concen: 9.565 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:129 Resp: 18793

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.8	116.4



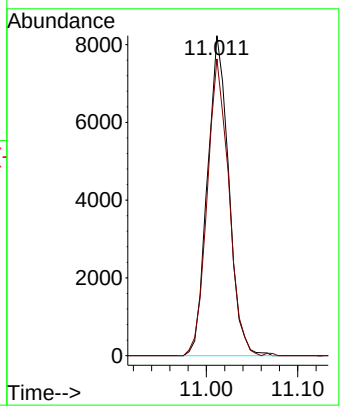


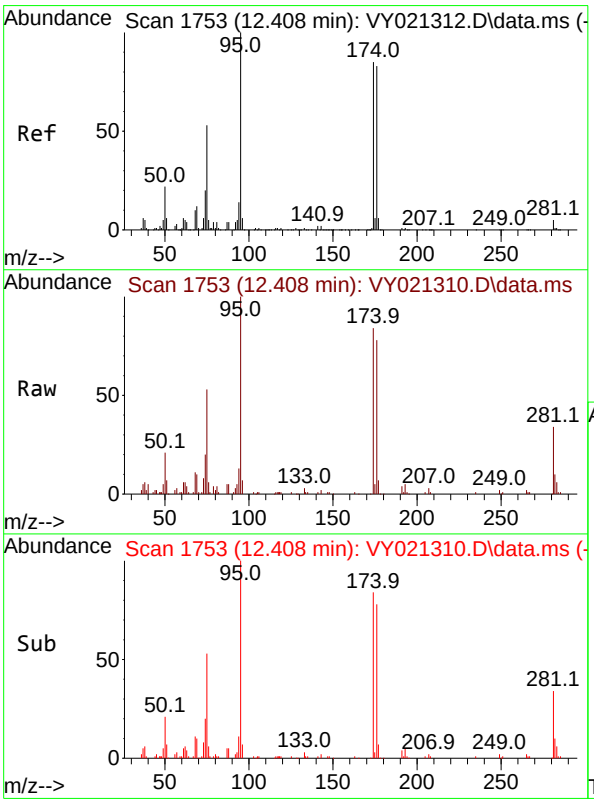
#61
1,2-Dibromoethane
Concen: 9.775 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 13351

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.8

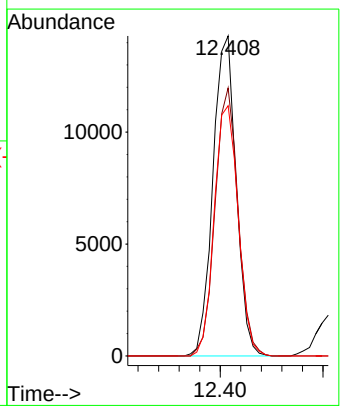


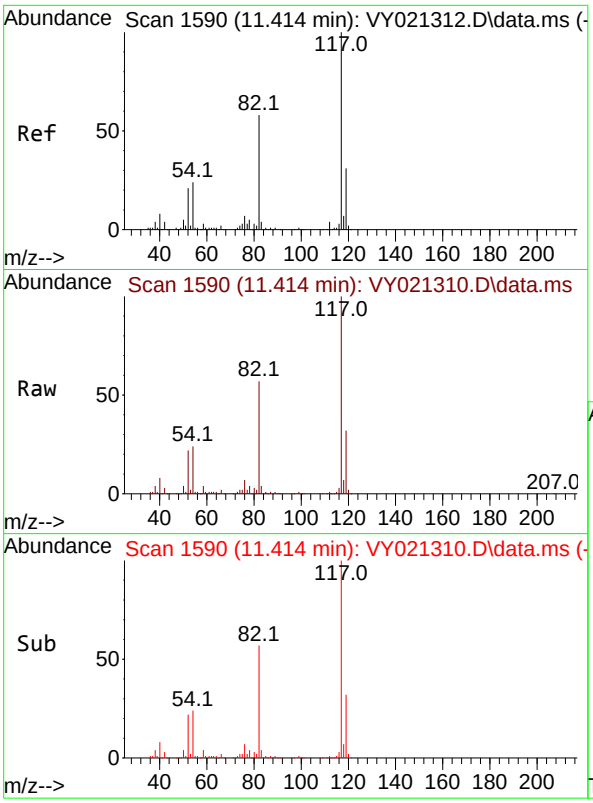


#62
4-Bromofluorobenzene
Concen: 9.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 95 Resp: 22364

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	168.0
176	80.9	0.0	162.6



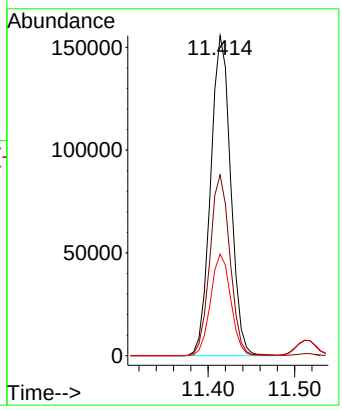


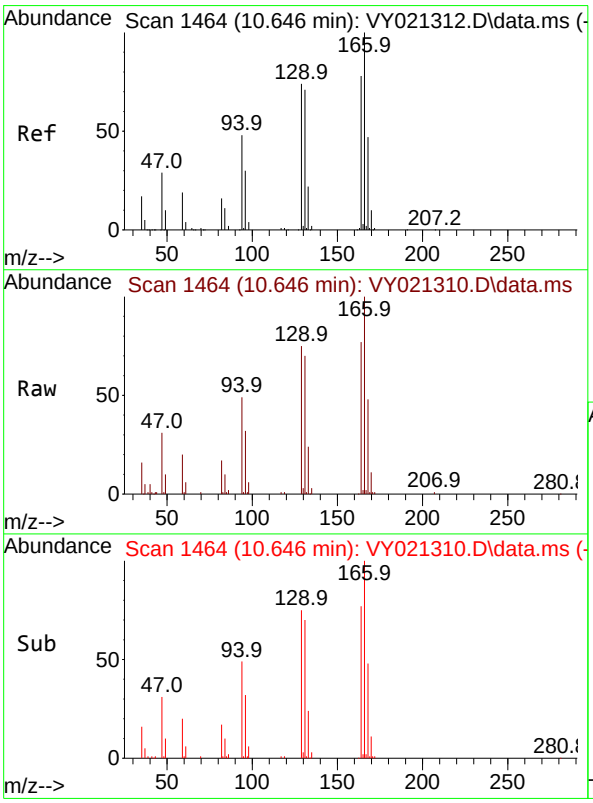
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 250629

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.4
119	31.7	24.9	37.3

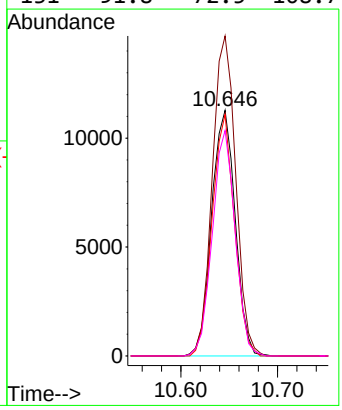


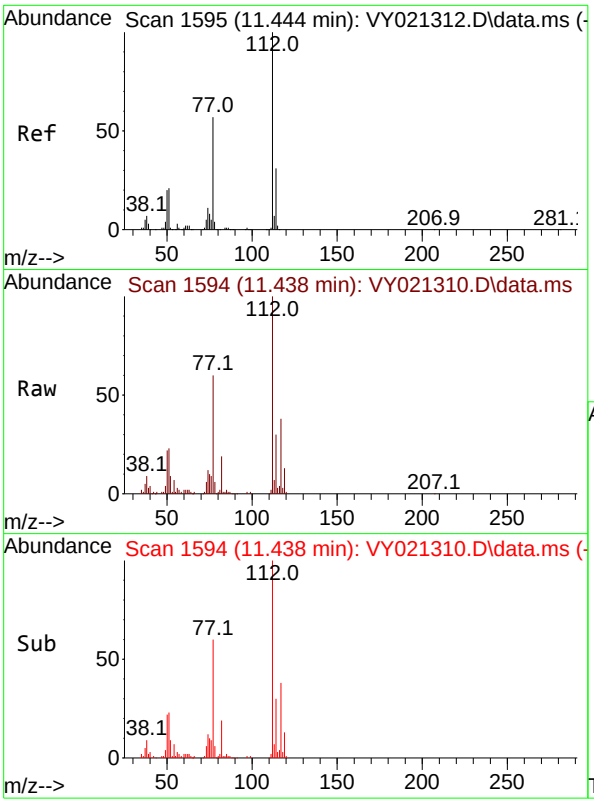


#64
Tetrachloroethene
Concen: 10.064 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:164 Resp: 19065

Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.9	152.9
129	98.3	75.5	113.3
131	91.8	72.5	108.7



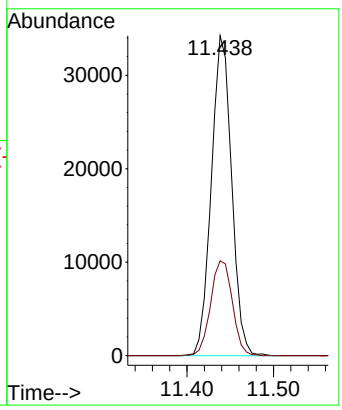


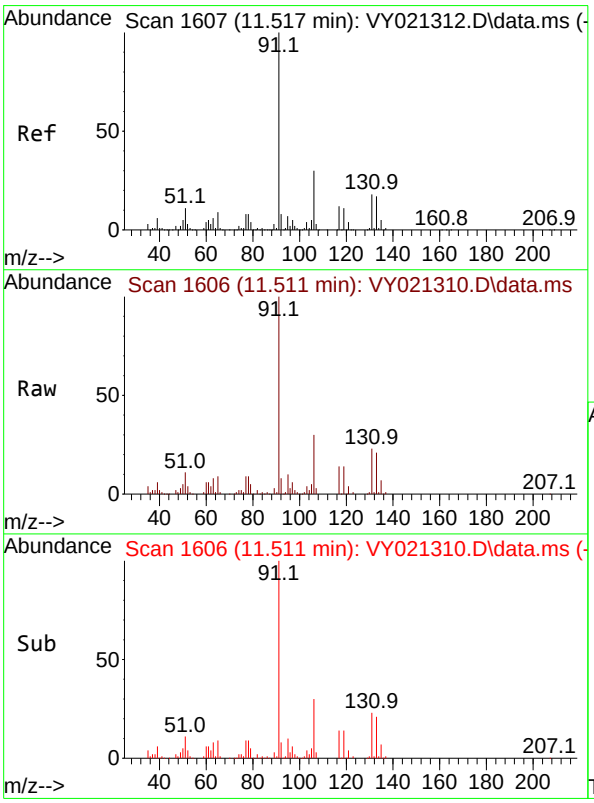
#65
Chlorobenzene
Concen: 9.899 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 55689

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.0	37.6

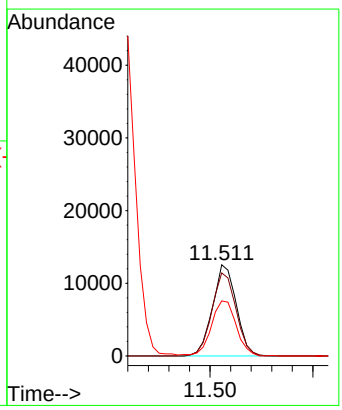


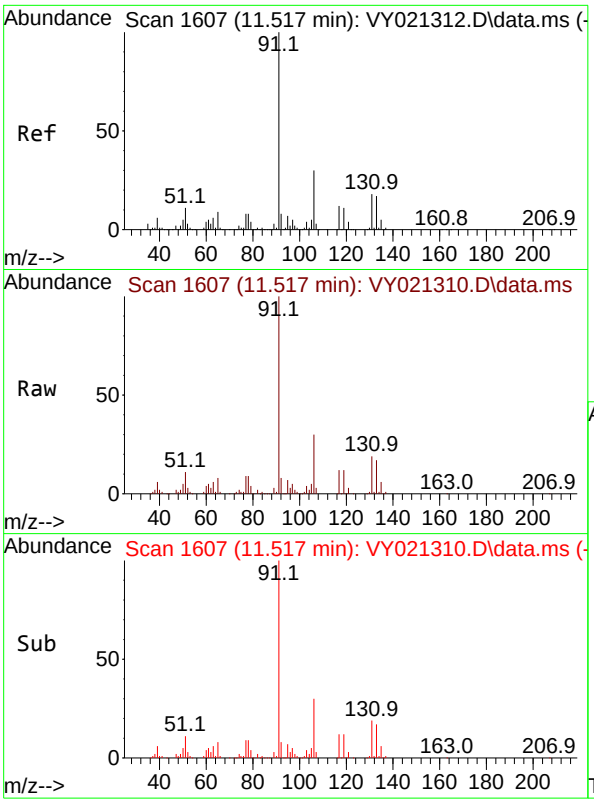


#66
1,1,1,2-Tetrachloroethane
Concen: 10.198 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:131 Resp: 20089

Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.9	143.6
119	62.8	31.7	95.1



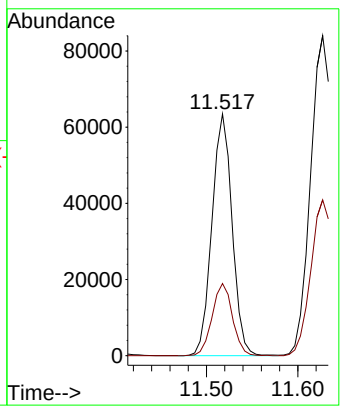


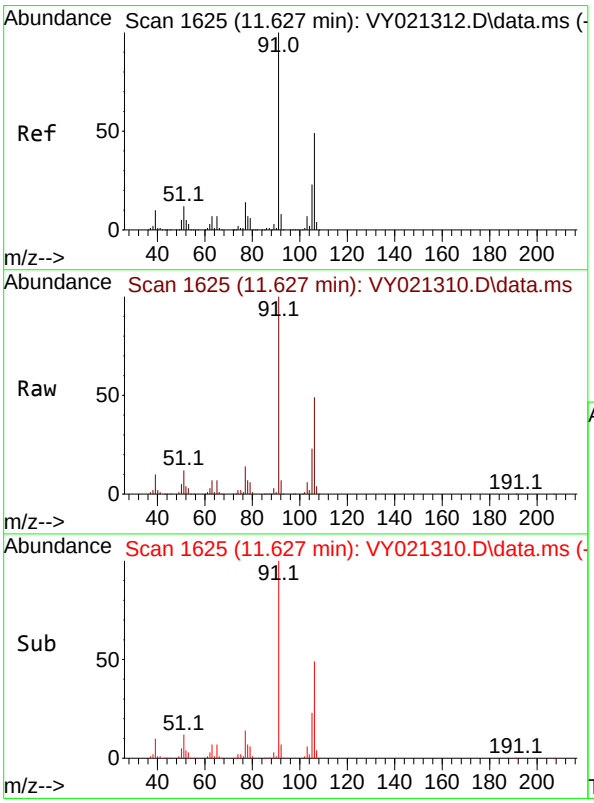
#67
Ethyl Benzene
Concen: 9.764 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 97299

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.4	36.6

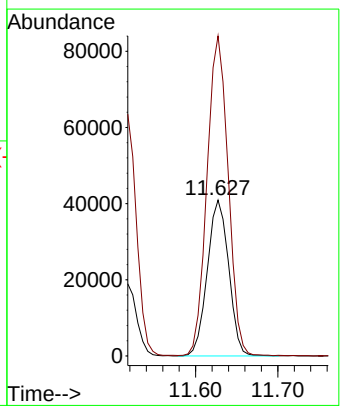


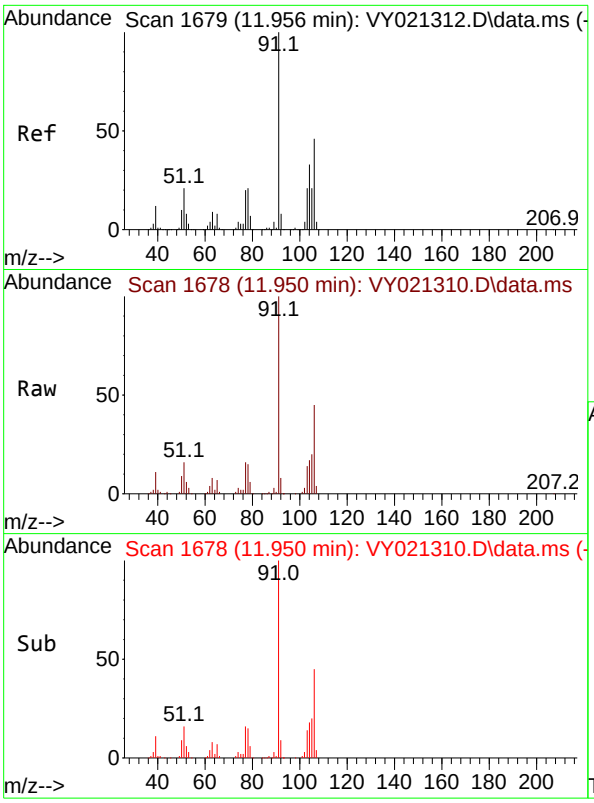


#68
m/p-Xylenes
Concen: 19.740 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 73991

Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.9	245.9



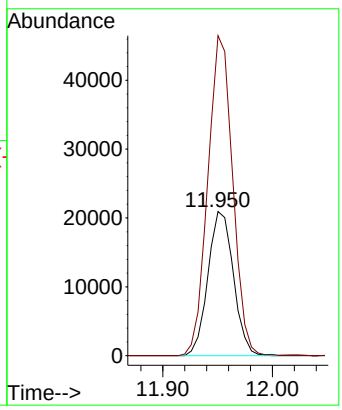


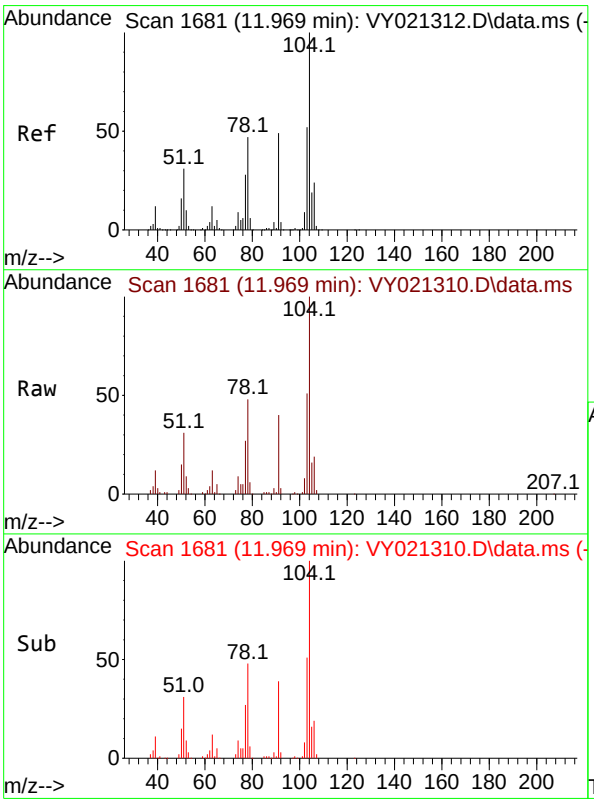
#69
o-Xylene
Concen: 9.632 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 33822

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2

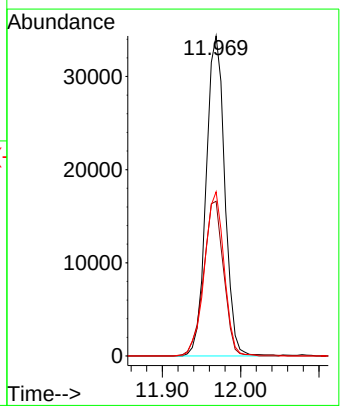


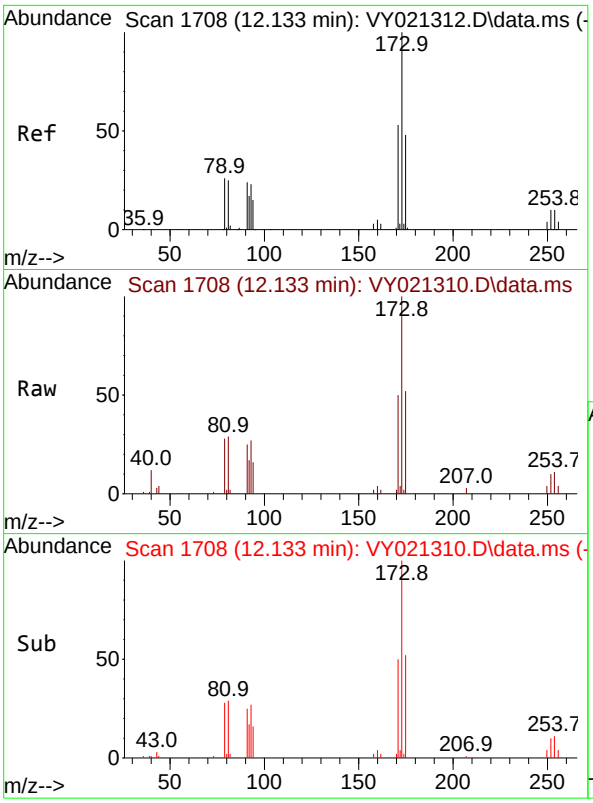


#70
Styrene
Concen: 9.679 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:104 Resp: 56550

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.3	61.9
103	54.2	43.9	65.9



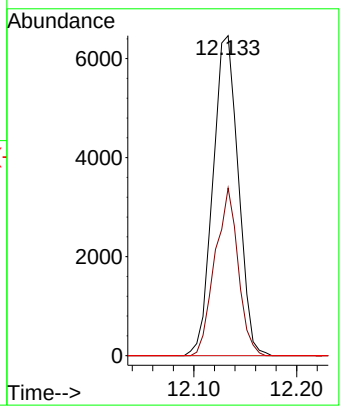


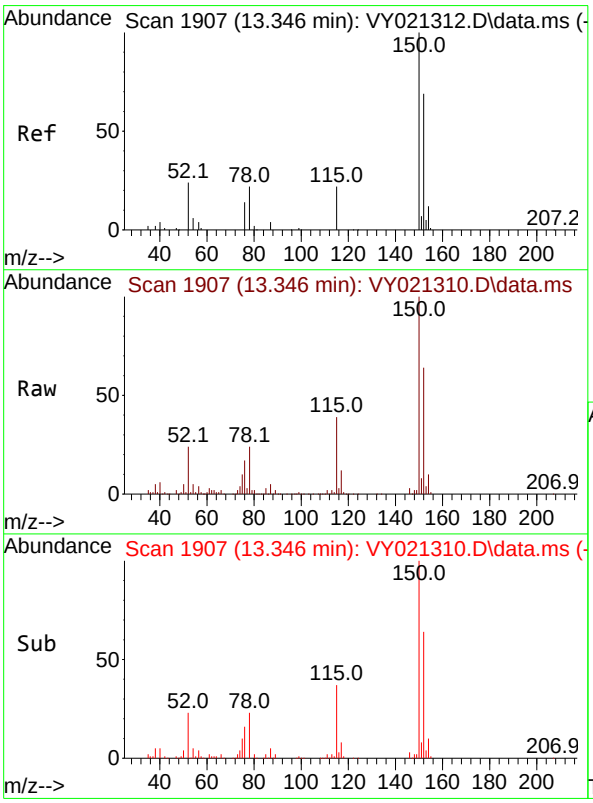
#71
Bromoform
Concen: 9.820 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 11067

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.1	0.1#

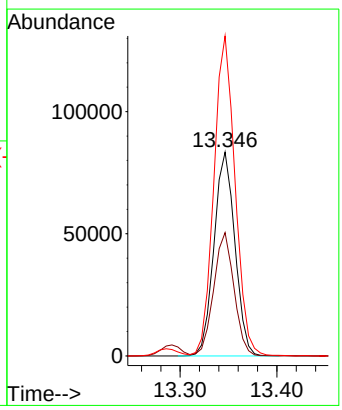


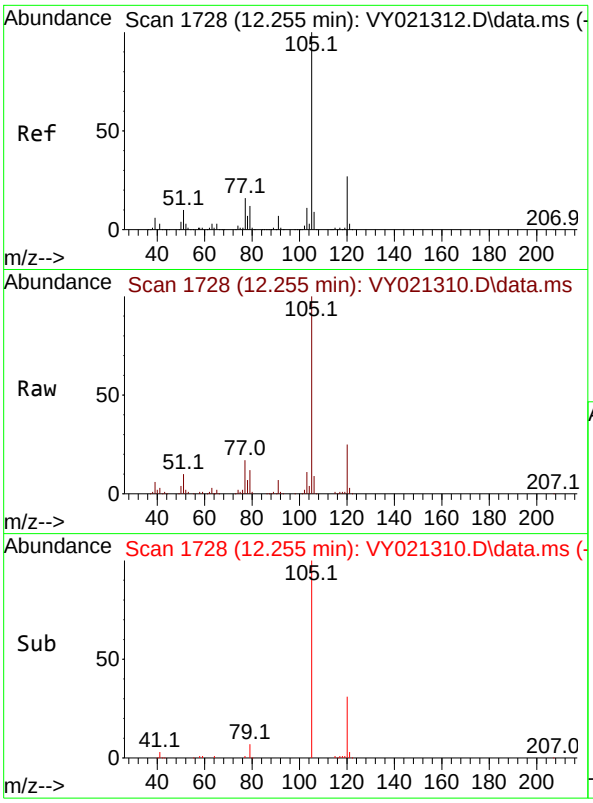


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:152 Resp: 125138

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	159.4	0.0	347.4



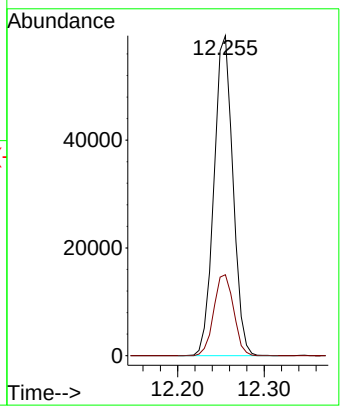


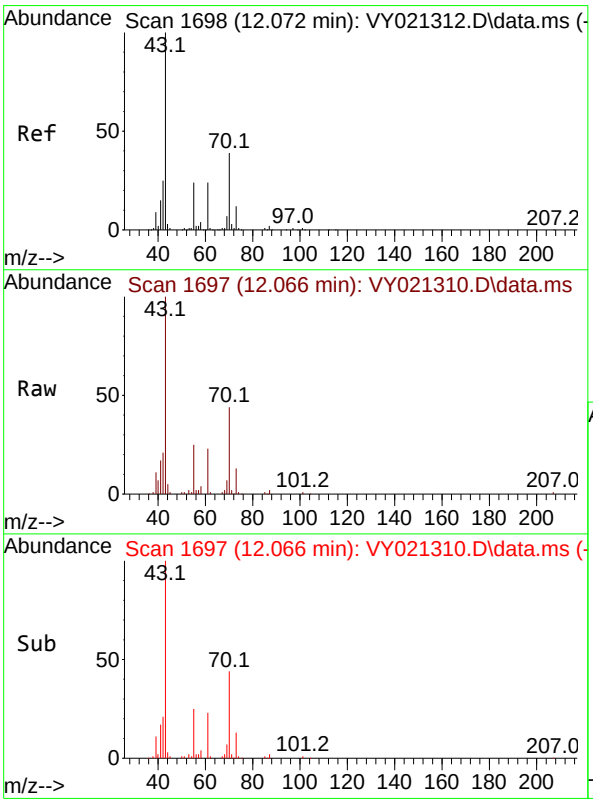
#73
Isopropylbenzene
Concen: 9.590 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 90221

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

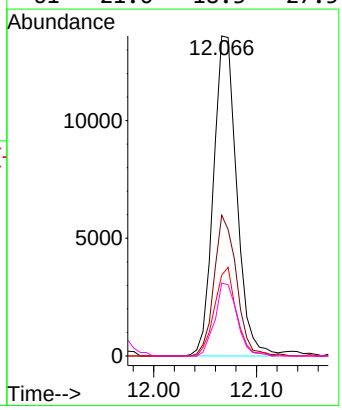


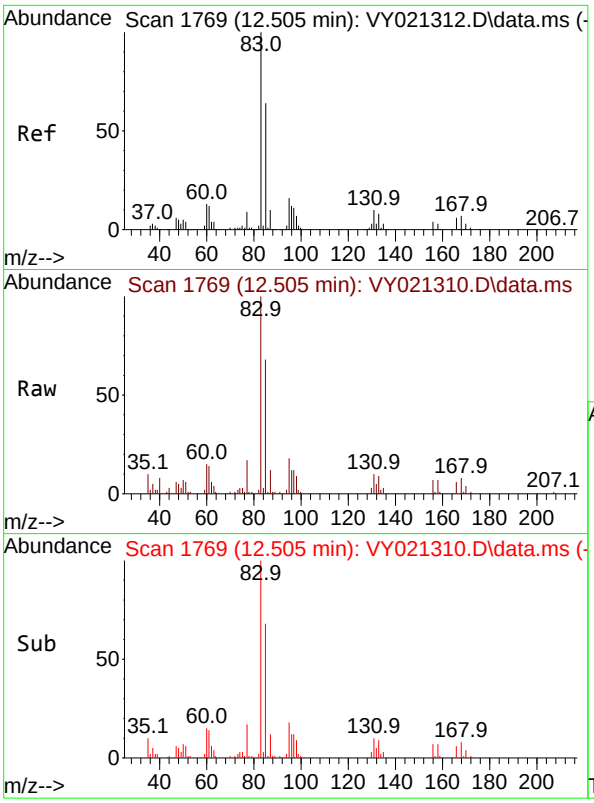


#74
N-amyl acetate
Concen: 8.937 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 21370

Ion	Ratio	Lower	Upper
43	100		
70	42.4	32.2	48.2
55	25.9	19.6	29.4
61	21.6	18.3	27.5



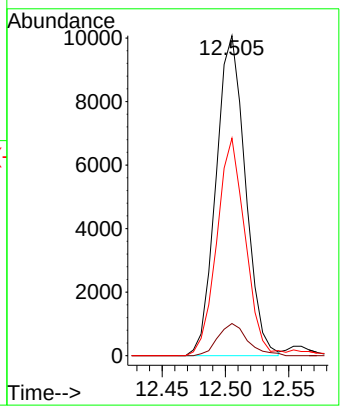


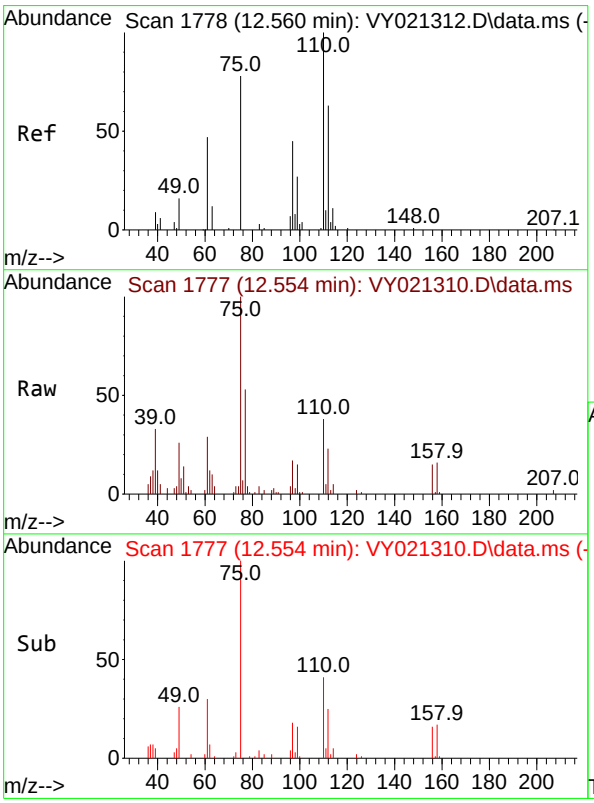
#75
1,1,2,2-Tetrachloroethane
Concen: 9.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 16246

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	65.8	32.0	96.0

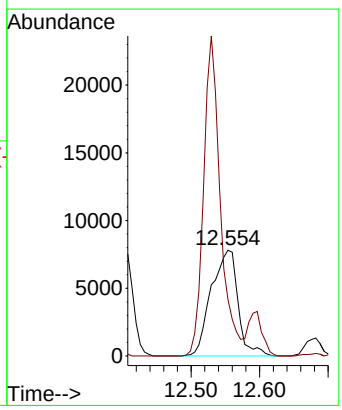


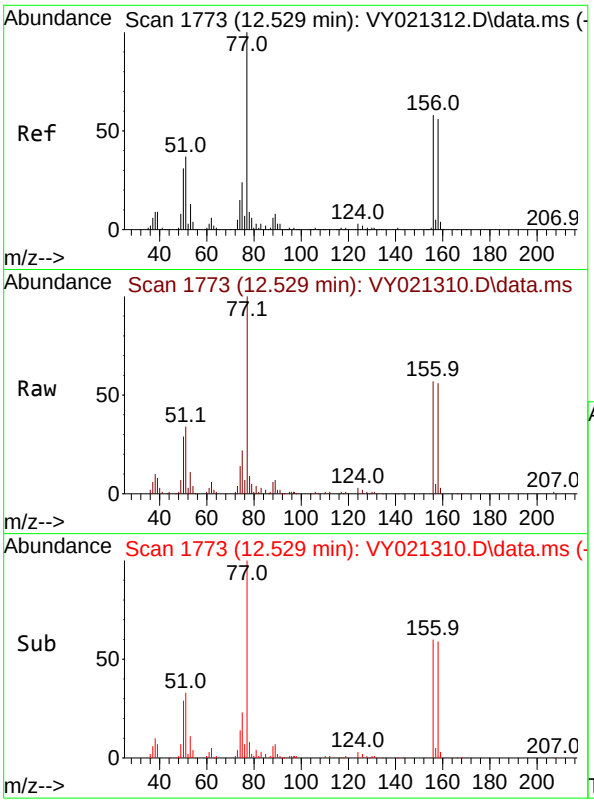


#76
1,2,3-Trichloropropane
Concen: 16.789 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 21157

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



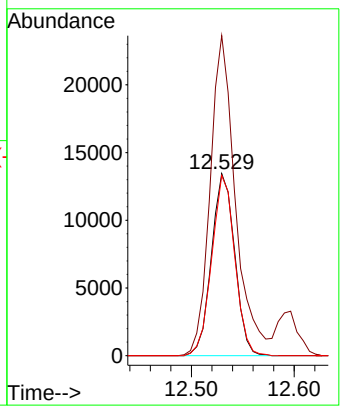


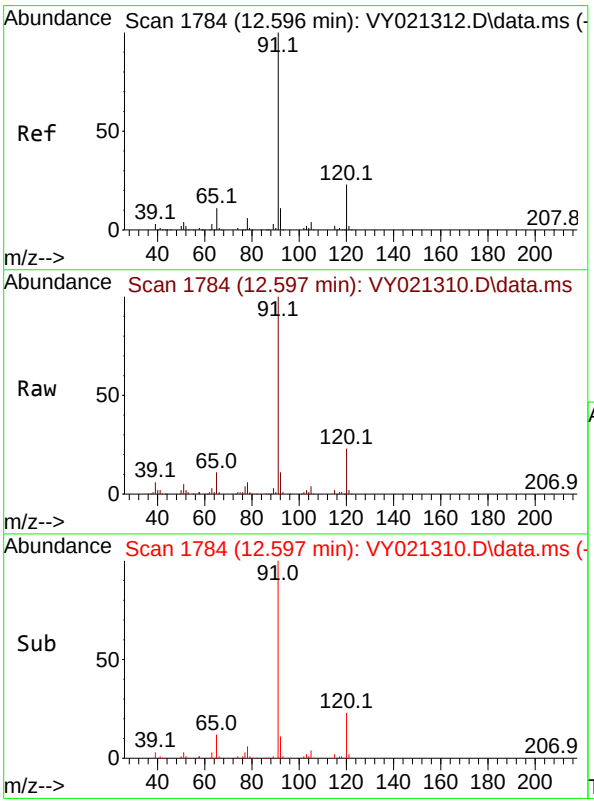
#77
Bromobenzene
Concen: 9.641 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 21097

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.0	282.1
158	98.2	48.7	146.1

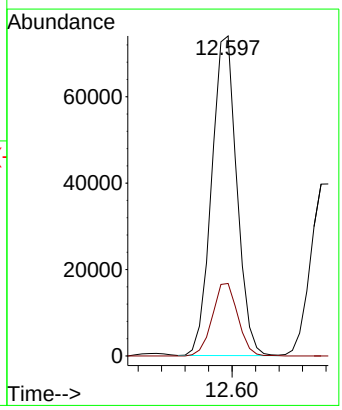


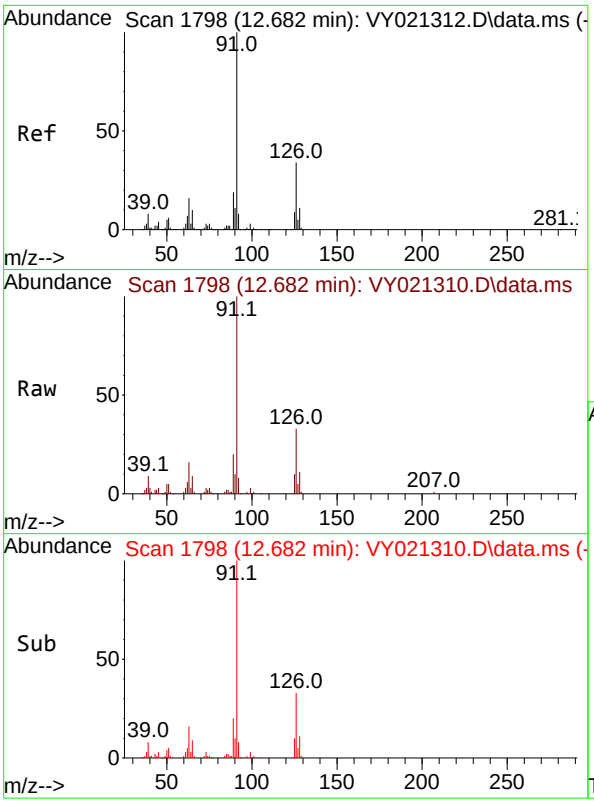


#78
n-propylbenzene
Concen: 9.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 110190

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5



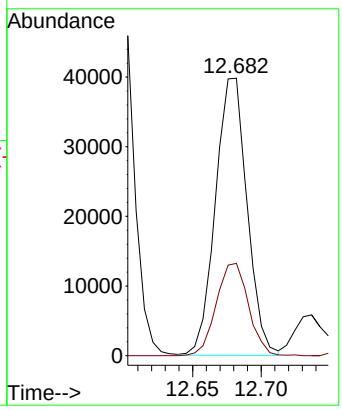


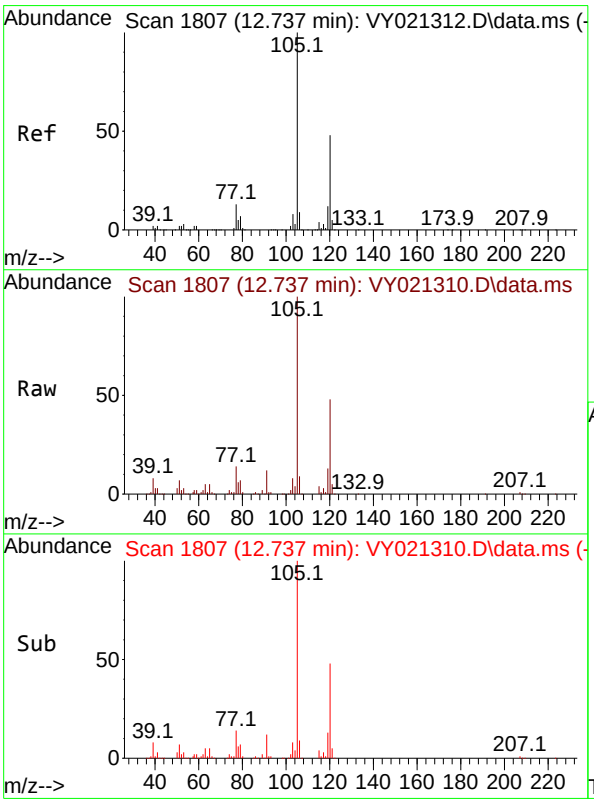
#79
2-Chlorotoluene
Concen: 9.771 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 64018

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

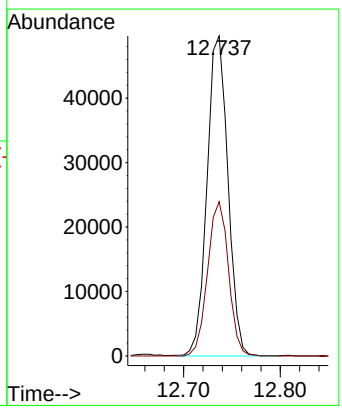


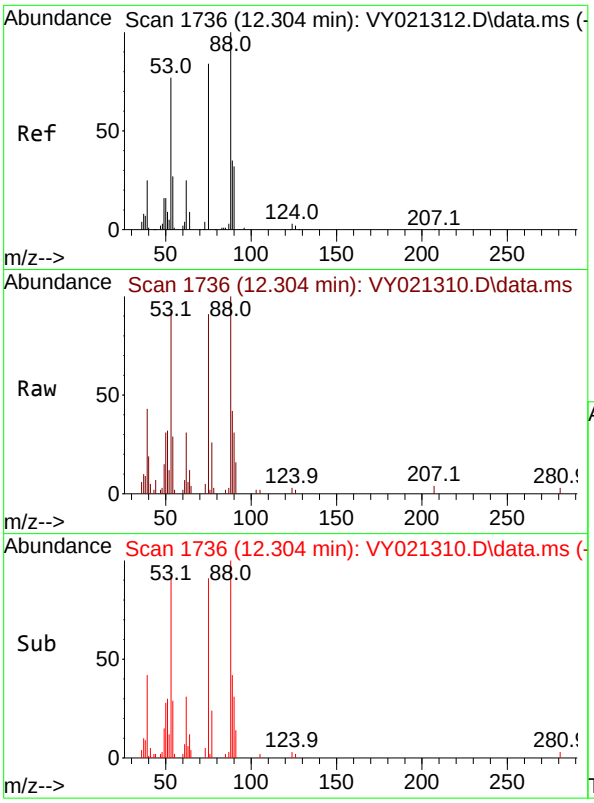


#80
1,3,5-Trimethylbenzene
Concen: 9.655 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74498

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0



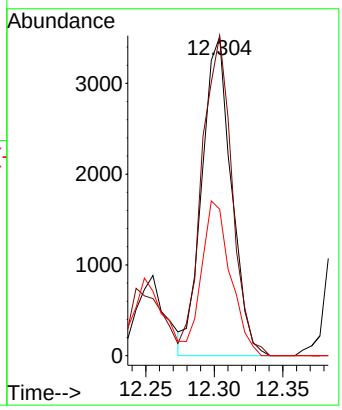


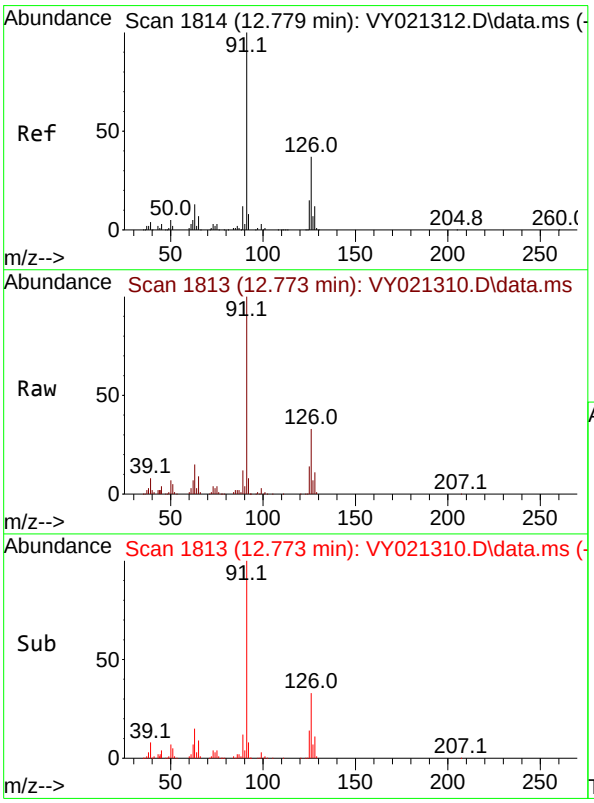
#81
trans-1,4-Dichloro-2-butene
Concen: 9.295 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 5238

Ion	Ratio	Lower	Upper
75	100		
53	102.5	79.1	118.7
89	47.3	35.6	53.4

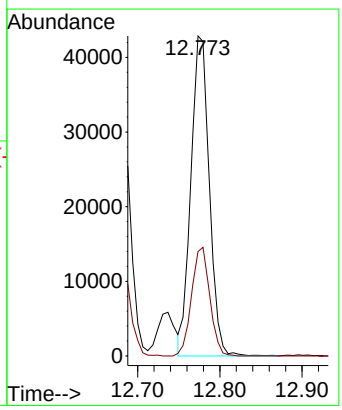


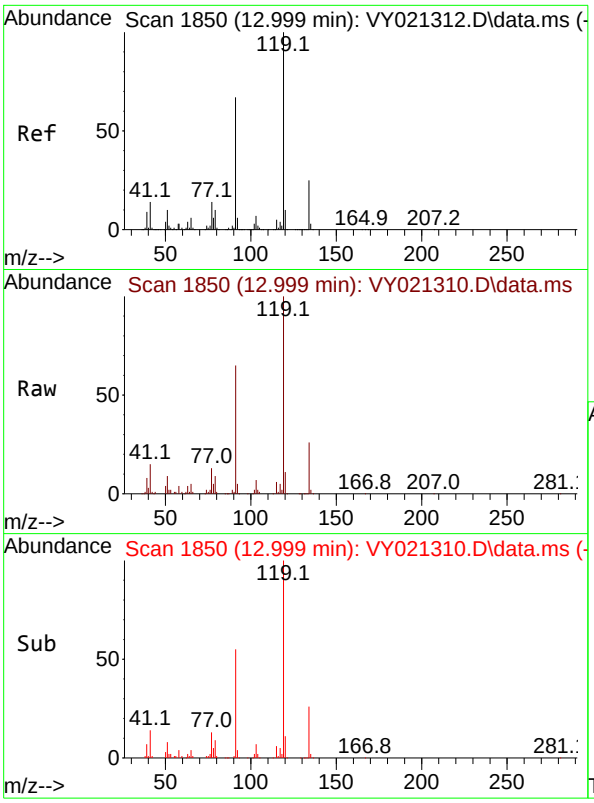


#82
4-Chlorotoluene
Concen: 9.821 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 66701

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



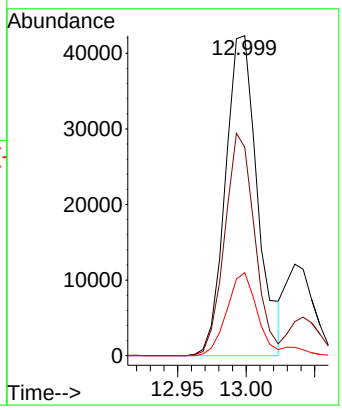


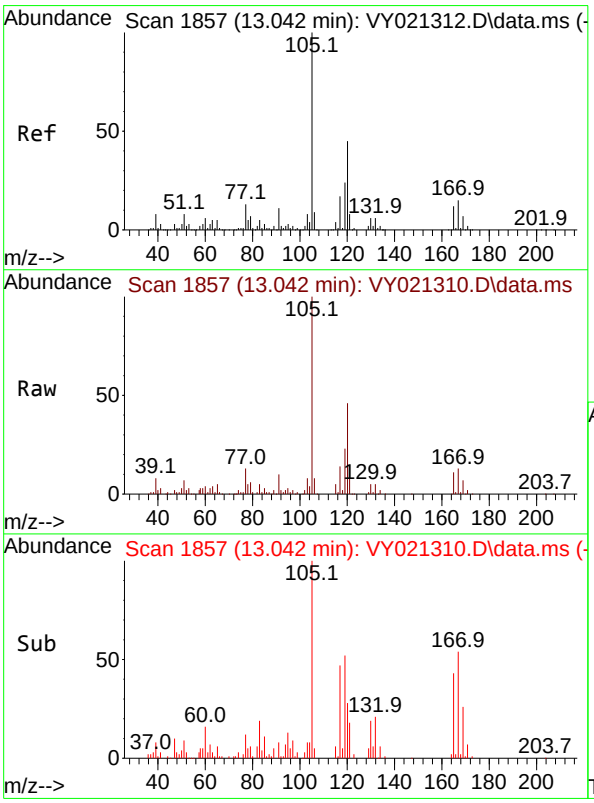
#83
tert-Butylbenzene
Concen: 9.886 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 68905

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9

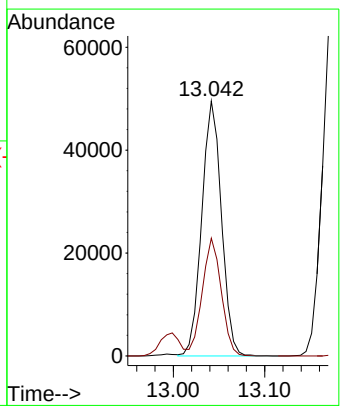


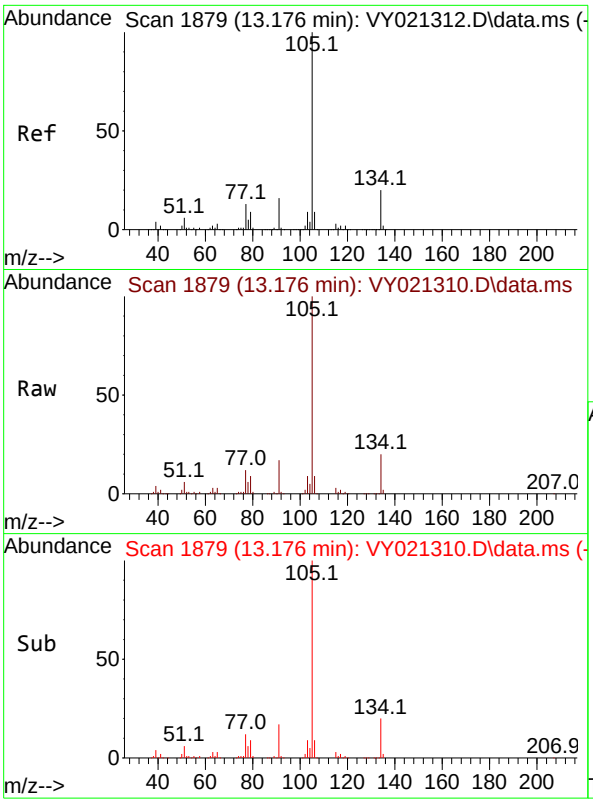


#84
1,2,4-Trimethylbenzene
Concen: 9.647 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74032

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3



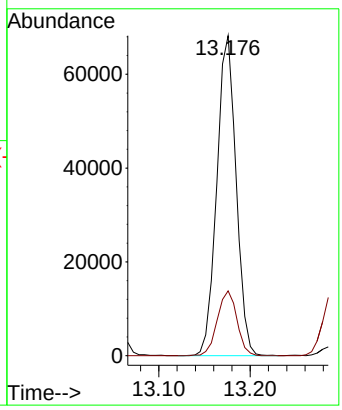


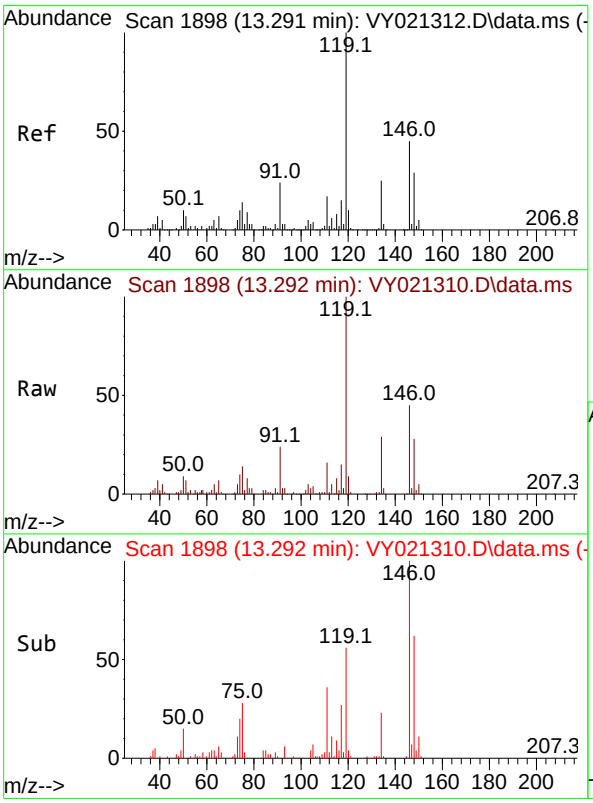
#85
sec-Butylbenzene
Concen: 9.841 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 100189

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0

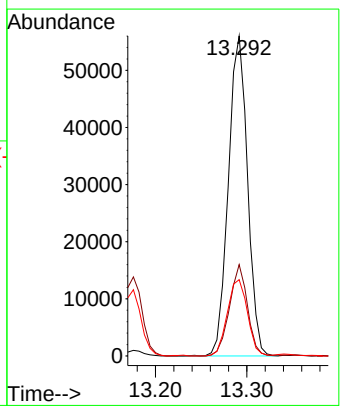


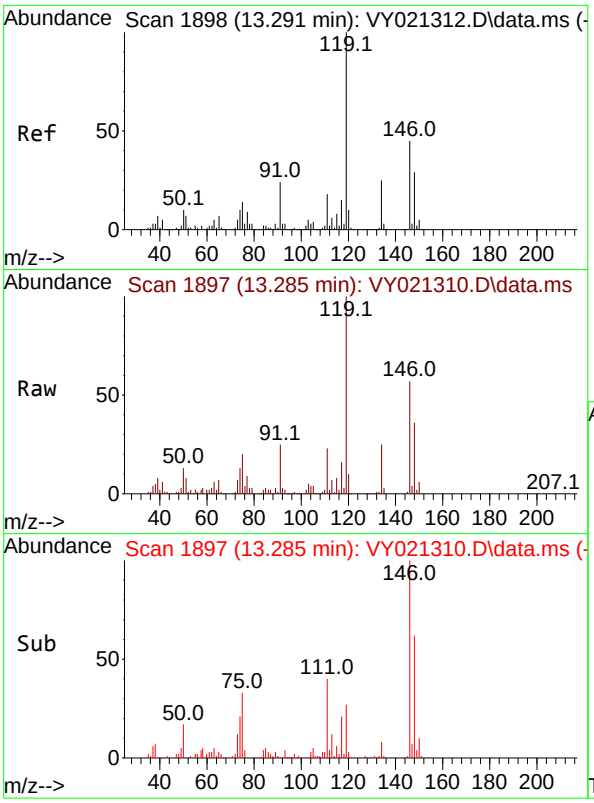


#86
p-Isopropyltoluene
Concen: 9.619 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 81769

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	38.9
91	25.1	12.0	36.1



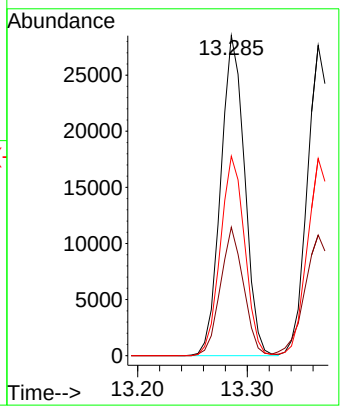


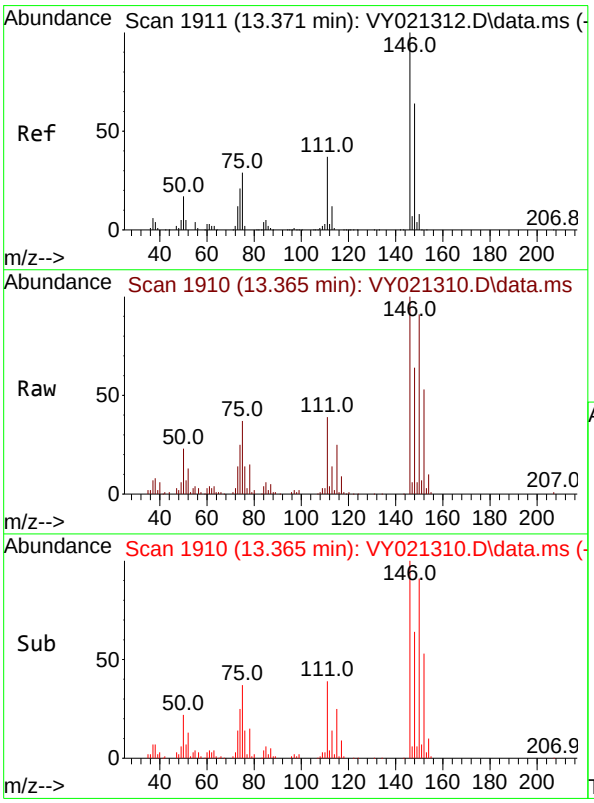
#87
1,3-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 43267

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	59.9
148	63.2	31.9	95.9

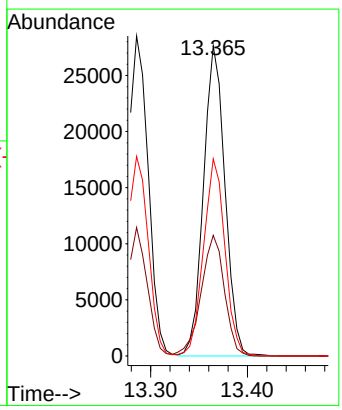


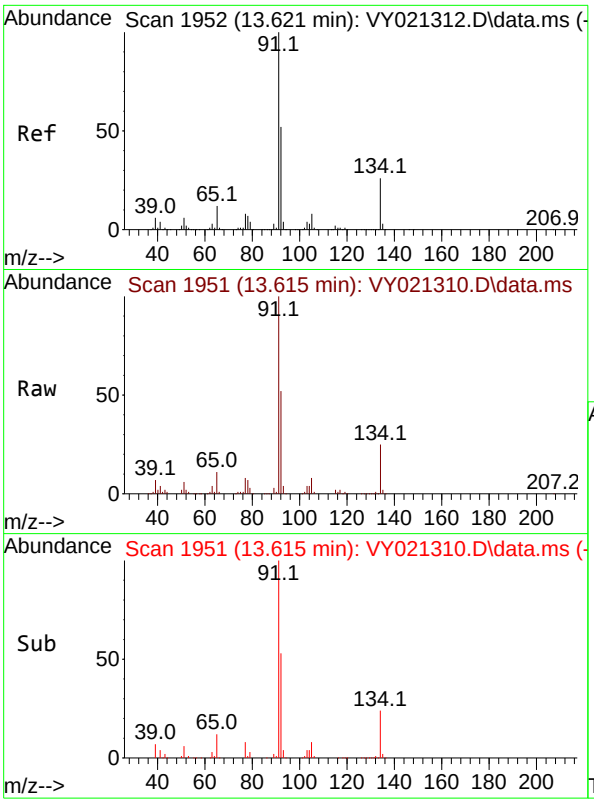


#88
1,4-Dichlorobenzene
Concen: 10.006 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 42788

Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.5	58.5
148	63.5	32.0	96.2



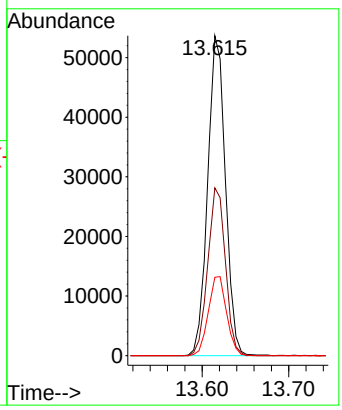


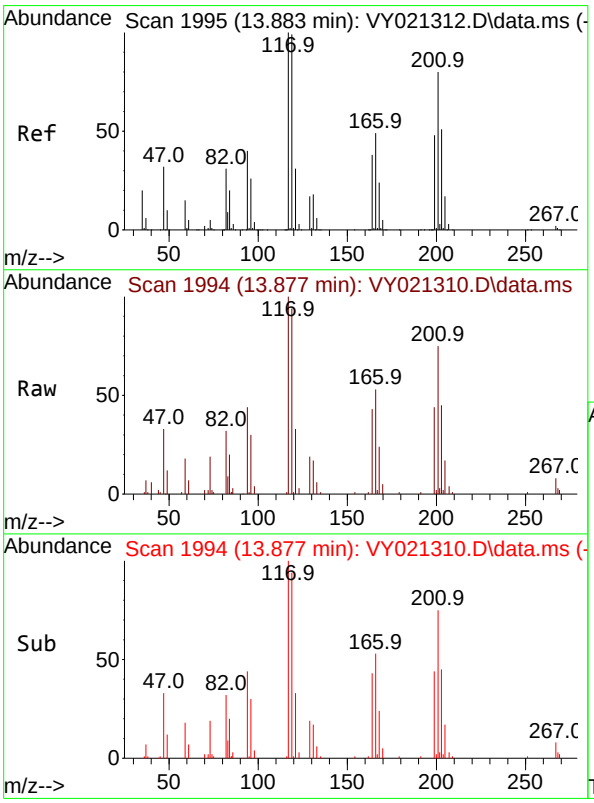
#89
n-Butylbenzene
Concen: 9.541 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 76325

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.5	12.7	38.0

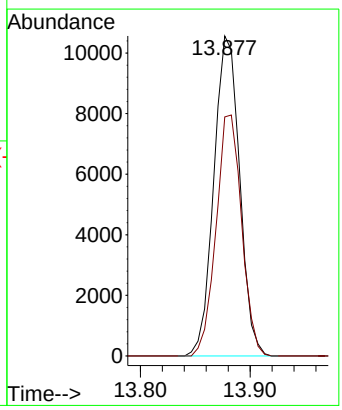


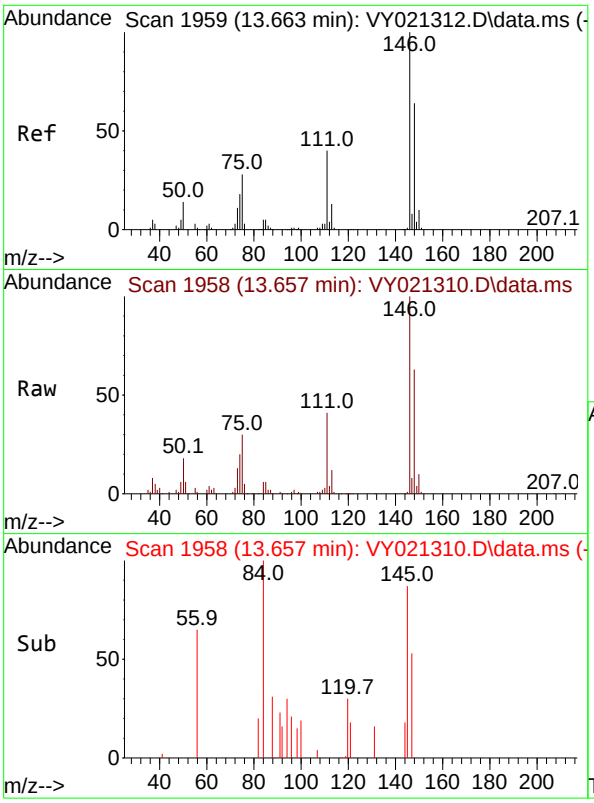


#90
Hexachloroethane
Concen: 9.721 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 17261

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.4	115.2



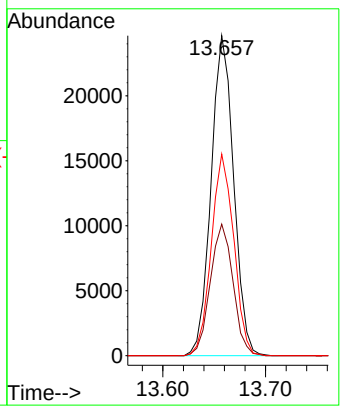


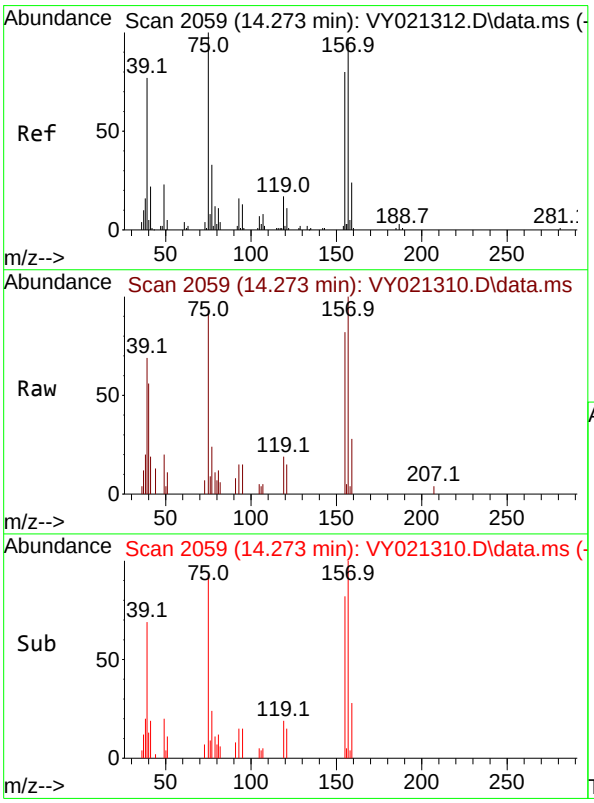
#91
1,2-Dichlorobenzene
Concen: 9.894 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 37522

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	62.8	31.7	95.1

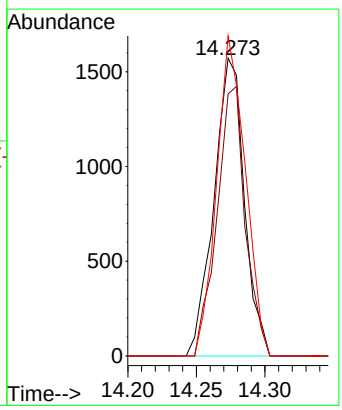


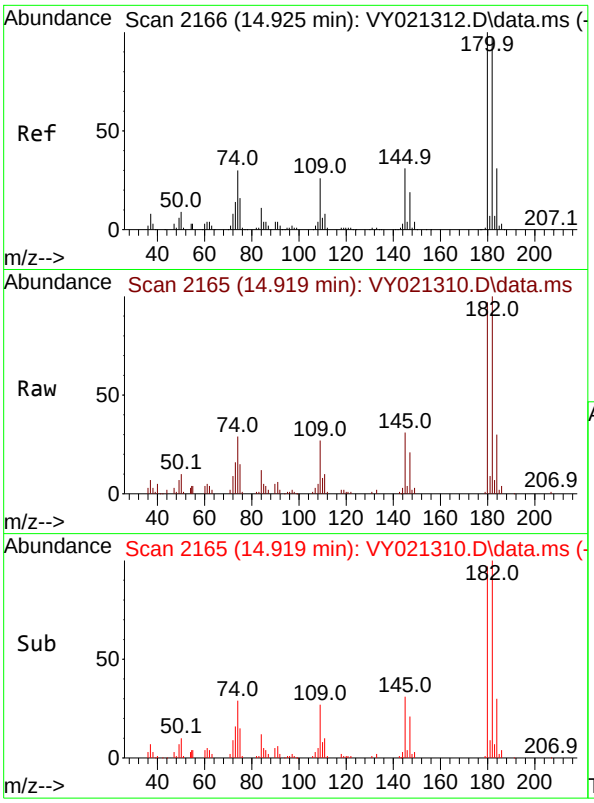


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.229 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2424

Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.9	125.6
157	101.6	52.5	157.6



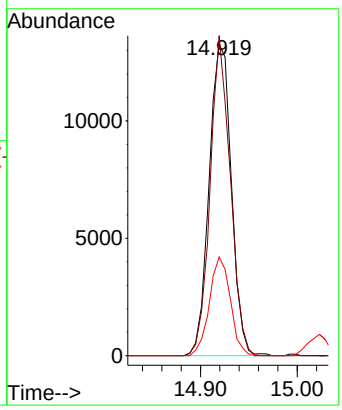


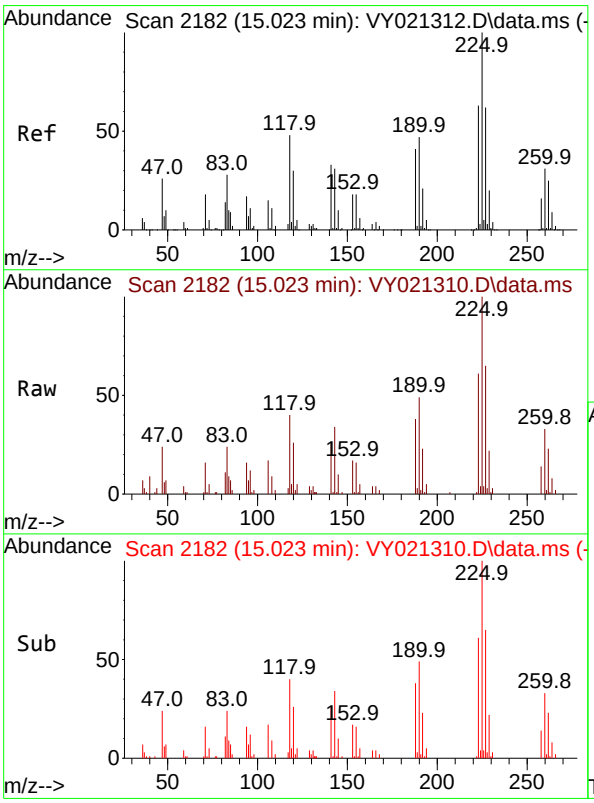
#93
1,2,4-Trichlorobenzene
Concen: 9.174 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 21234

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	29.9	15.6	46.8

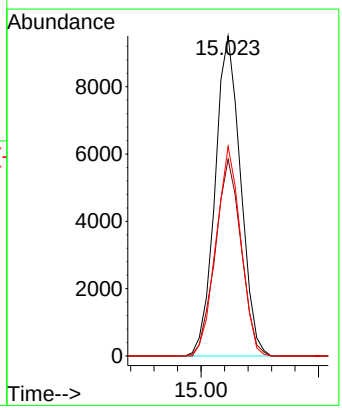


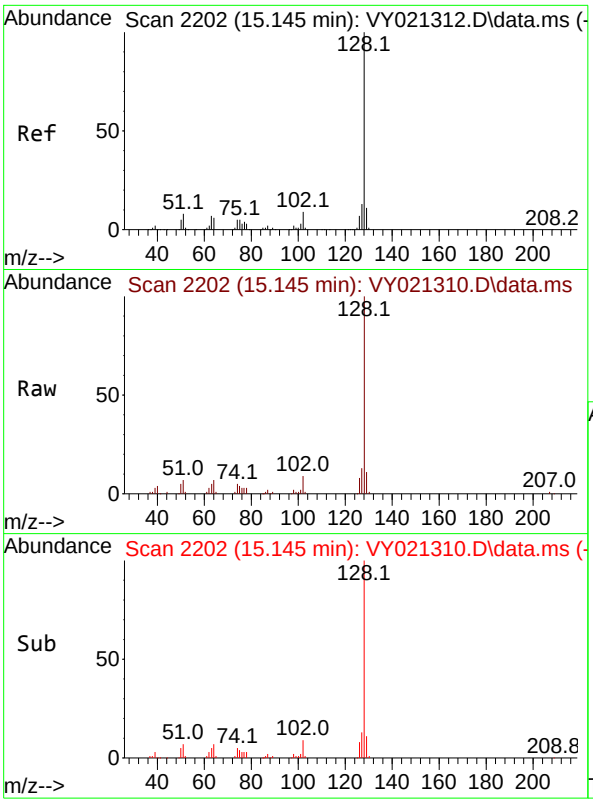


#94
Hexachlorobutadiene
Concen: 9.845 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:225 Resp: 14346

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.4
227	63.4	31.9	95.7



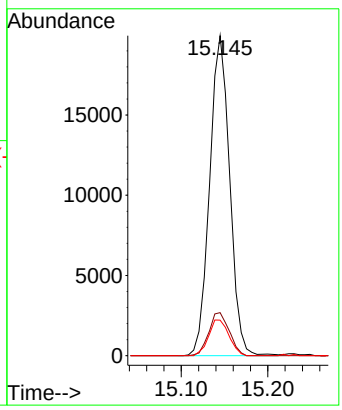


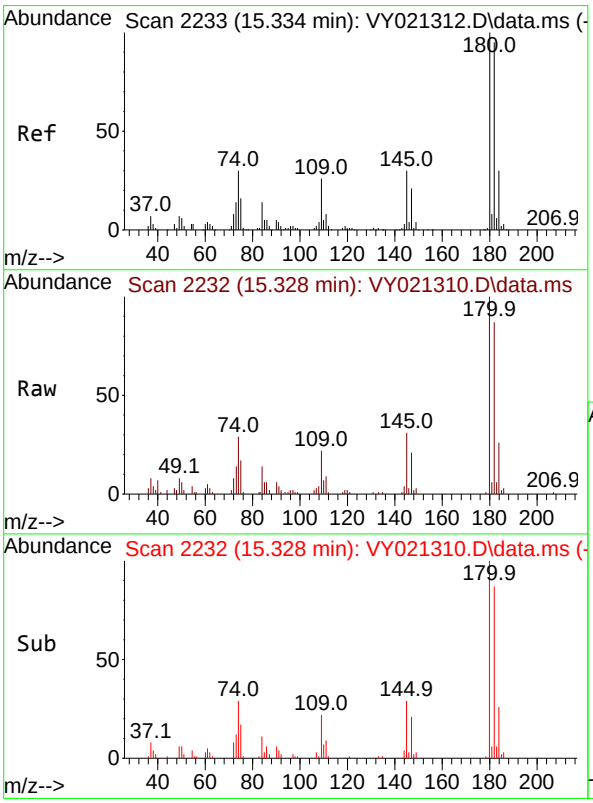
#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 32094

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.4	8.5	12.7

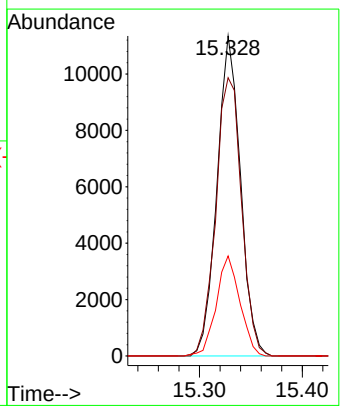




#96
1,2,3-Trichlorobenzene
Concen: 9.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 17983

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	31.4	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	188363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	293434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	130546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41320	19.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 38.680%#			
35) Dibromofluoromethane	7.634	113	37265	19.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 38.740%#			
50) Toluene-d8	10.103	98	144409	19.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 38.840%#			
62) 4-Bromofluorobenzene	12.408	95	47417	18.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 37.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	32511	18.204	ug/l	96
3) Chloromethane	2.068	50	42633	18.484	ug/l	97
4) Vinyl Chloride	2.202	62	41719	18.429	ug/l	100
5) Bromomethane	2.586	94	27198	18.079	ug/l	98
6) Chloroethane	2.726	64	26161	18.635	ug/l	99
7) Trichlorofluoromethane	3.056	101	63170	18.477	ug/l	95
8) Diethyl Ether	3.452	74	19564	19.066	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	37017	18.701	ug/l	99
10) Methyl Iodide	4.001	142	36945	17.741	ug/l	99
11) Tert butyl alcohol	4.860	59	15935	96.952	ug/l	96
12) 1,1-Dichloroethene	3.787	96	34827	18.376	ug/l	98
13) Acrolein	3.647	56	22079	175.300	ug/l	100
14) Allyl chloride	4.379	41	61887	18.417	ug/l	98
15) Acrylonitrile	5.061	53	43763	96.460	ug/l	99
16) Acetone	3.866	43	35506	86.623	ug/l	96
17) Carbon Disulfide	4.104	76	116030	18.437	ug/l	99
18) Methyl Acetate	4.379	43	19534	19.500	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	95488	19.069	ug/l	97
20) Methylene Chloride	4.616	84	40630	18.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	38218	18.317	ug/l	98
22) Diisopropyl ether	6.019	45	132039	18.989	ug/l	97
23) Vinyl Acetate	5.958	43	393629	94.730	ug/l	99
24) 1,1-Dichloroethane	5.909	63	72428	18.480	ug/l	99
25) 2-Butanone	6.890	43	58941	95.278	ug/l	98
26) 2,2-Dichloropropane	6.884	77	63686	17.908	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	44297	18.592	ug/l	98
28) Bromochloromethane	7.244	49	32987	19.022	ug/l	99
29) Tetrahydrofuran	7.256	42	39775	98.365	ug/l	98
30) Chloroform	7.421	83	73639	18.543	ug/l	96
31) Cyclohexane	7.701	56	68531	18.191	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67011	18.538	ug/l	98
36) 1,1-Dichloropropene	7.835	75	53995	18.685	ug/l	100
37) Ethyl Acetate	6.982	43	27188	18.914	ug/l	98
38) Carbon Tetrachloride	7.817	117	59733	18.387	ug/l	98
39) Methylcyclohexane	9.103	83	68516	18.746	ug/l	98
40) Benzene	8.079	78	159536	18.676	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	14108	17.554	ug/l		92
42) 1,2-Dichloroethane	8.152	62	46152	19.043	ug/l		99
43) Isopropyl Acetate	8.195	43	54484	19.583	ug/l		98
44) Trichloroethene	8.866	130	40005	18.706	ug/l		93
45) 1,2-Dichloropropane	9.140	63	38611	18.782	ug/l		100
46) Dibromomethane	9.231	93	21421	19.063	ug/l		99
47) Bromodichloromethane	9.420	83	56033	18.701	ug/l		98
48) Methyl methacrylate	9.219	41	24461	18.801	ug/l		97
49) 1,4-Dioxane	9.225	88	5308	424.825	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	140187	98.430	ug/l		100
52) Toluene	10.170	92	100050	18.854	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	50957	18.563	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	61967	19.122	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	27942	19.088	ug/l		99
56) Ethyl methacrylate	10.438	69	36997	18.291	ug/l		95
57) 1,3-Dichloropropane	10.713	76	49499	19.270	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	93377	96.179	ug/l		100
59) 2-Hexanone	10.762	43	90882	97.163	ug/l		100
60) Dibromochloromethane	10.908	129	37808	18.964	ug/l		99
61) 1,2-Dibromoethane	11.012	107	26519	19.135	ug/l		99
64) Tetrachloroethene	10.646	164	36387	18.595	ug/l		97
65) Chlorobenzene	11.438	112	107621	18.519	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	37487	18.422	ug/l		99
67) Ethyl Benzene	11.518	91	189052	18.366	ug/l		99
68) m/p-Xylenes	11.627	106	144073	37.210	ug/l		99
69) o-Xylene	11.950	106	67060	18.488	ug/l		100
70) Styrene	11.969	104	113033	18.729	ug/l		99
71) Bromoform	12.133	173	21886	18.800	ug/l	#	99
73) Isopropylbenzene	12.255	105	179489	18.288	ug/l		99
74) N-amyl acetate	12.072	43	47224	18.930	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32419	18.717	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	43143	32.817	ug/l	#	100
77) Bromobenzene	12.530	156	42078	18.433	ug/l		99
78) n-propylbenzene	12.597	91	220158	18.486	ug/l		100
79) 2-Chlorotoluene	12.676	91	125969	18.430	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	150004	18.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10866	18.483	ug/l		99
82) 4-Chlorotoluene	12.780	91	130335	18.396	ug/l		100
83) tert-Butylbenzene	12.999	119	135829	18.681	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	149358	18.657	ug/l		99
85) sec-Butylbenzene	13.176	105	196335	18.486	ug/l		100
86) p-Isopropyltoluene	13.292	119	165127	18.620	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	83463	18.483	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	83179	18.646	ug/l		99
89) n-Butylbenzene	13.615	91	153032	18.337	ug/l		100
90) Hexachloroethane	13.877	117	33341	17.998	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	73513	18.581	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5181	18.908	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	42908	17.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	27015	17.771	ug/l		99
95) Naphthalene	15.145	128	71044	17.763	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	36460	17.871	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

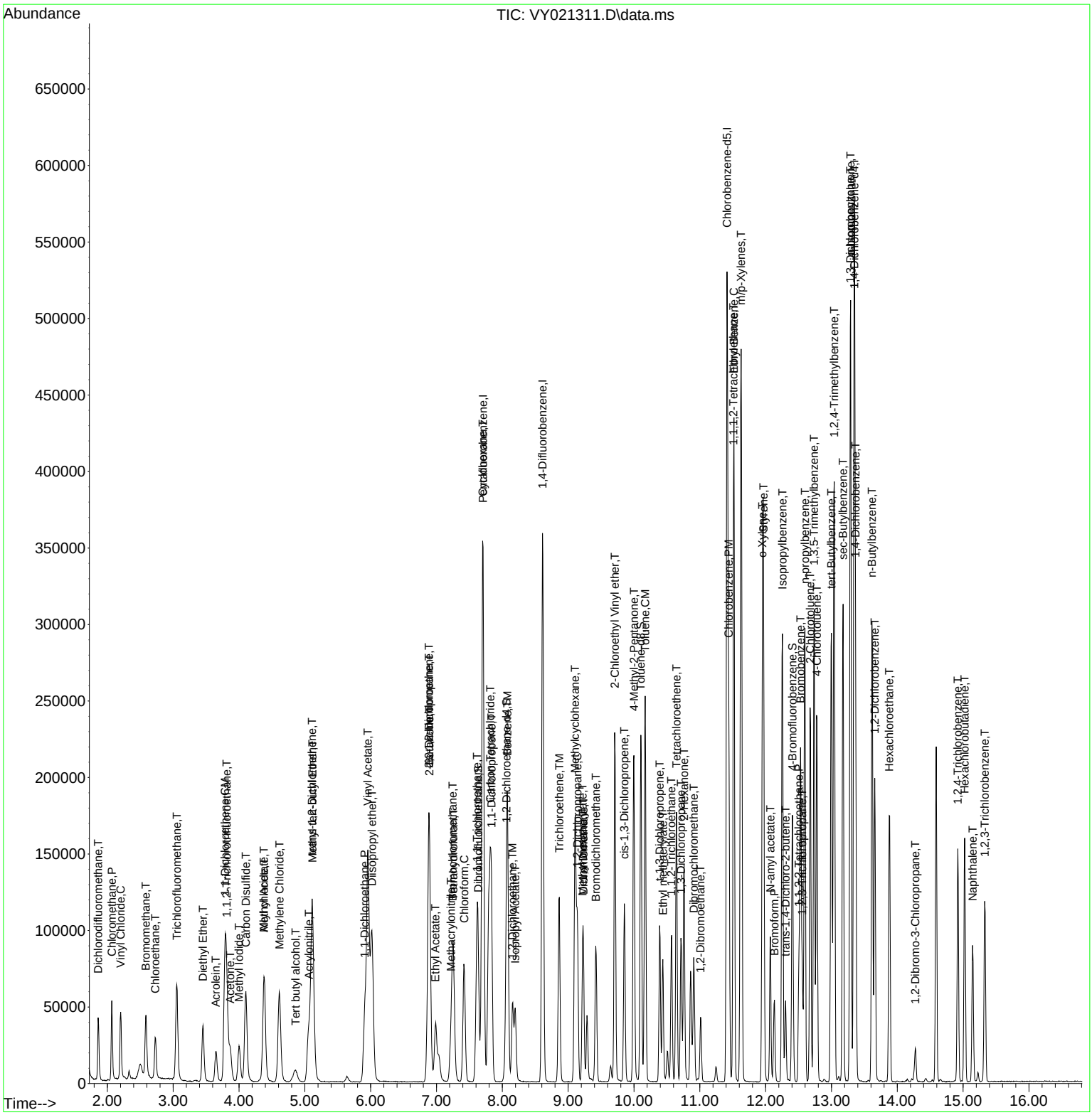
(#) = qualifier out of range (m) = manual integration (+) = signals summed

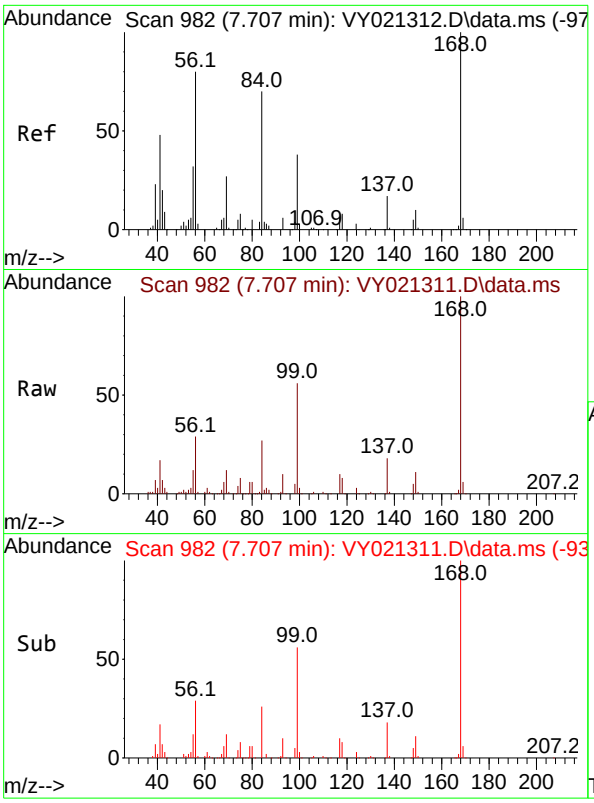
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



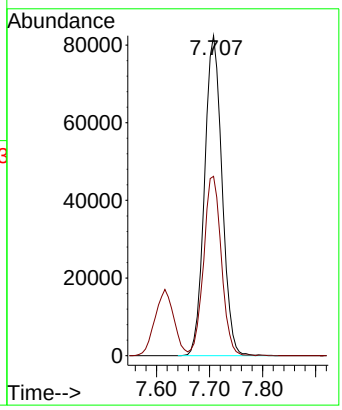


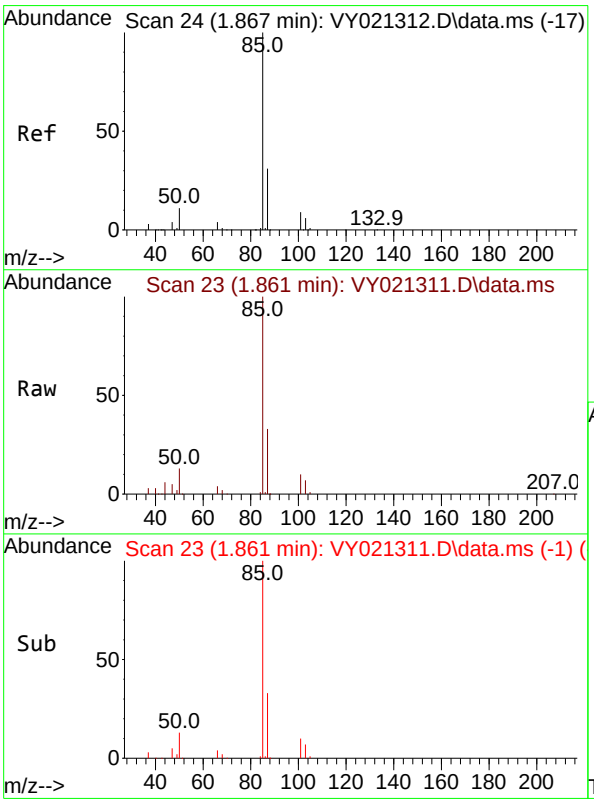
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 188363

Ion	Ratio	Lower	Upper
168	100		
99	56.0	47.1	70.7

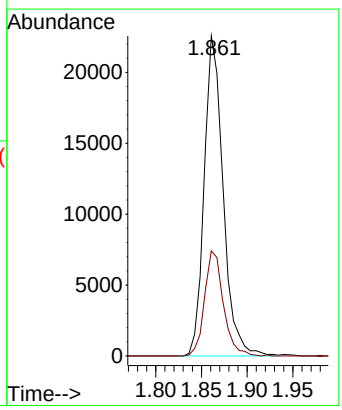


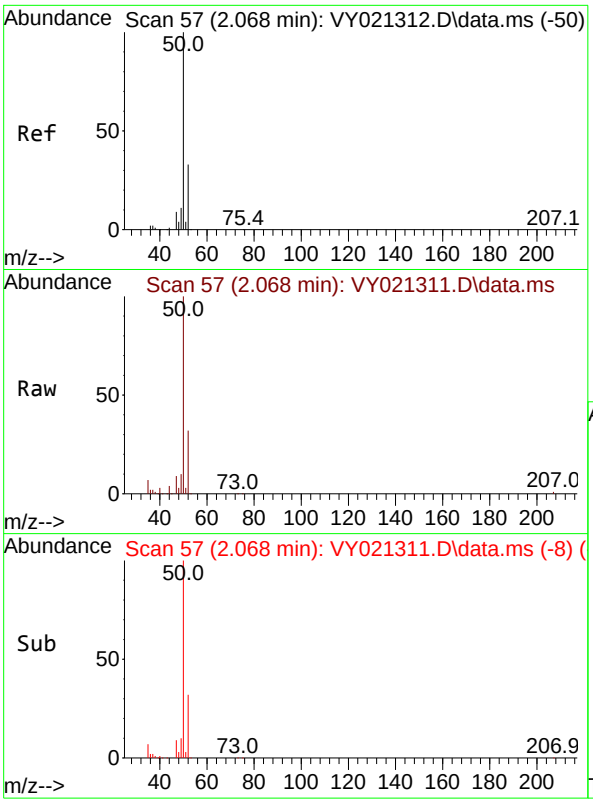


#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 32511

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.4



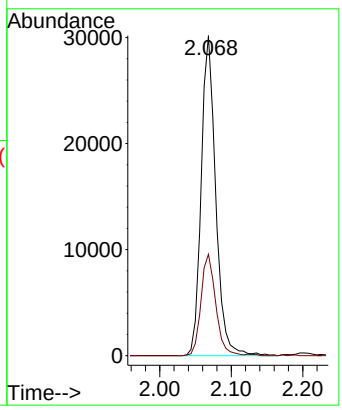


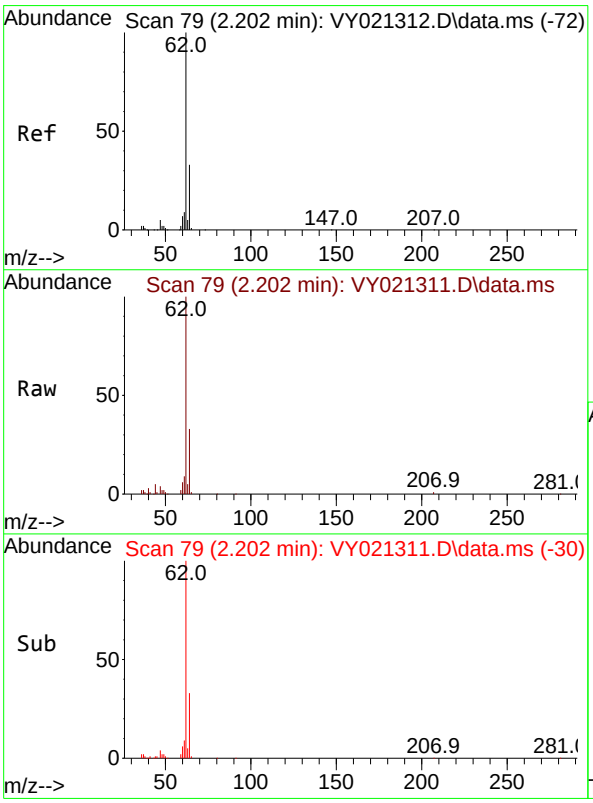
#3
Chloromethane
Concen: 18.484 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 42633

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.6	40.0

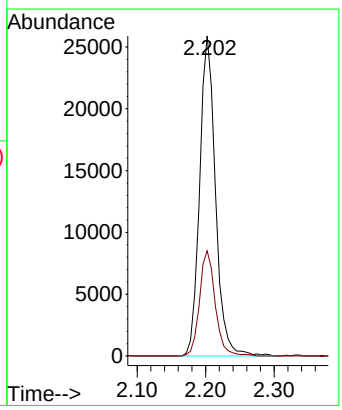


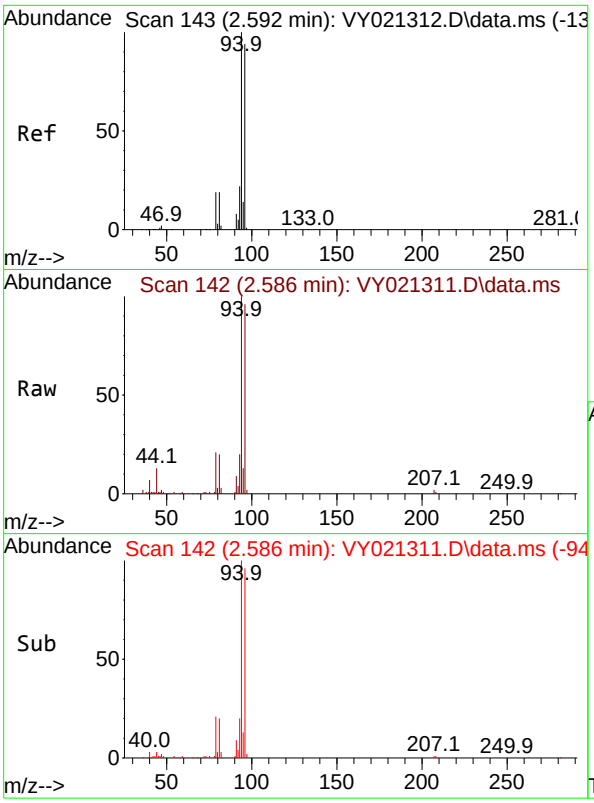


#4
Vinyl Chloride
Concen: 18.429 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 41719

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.3	39.5



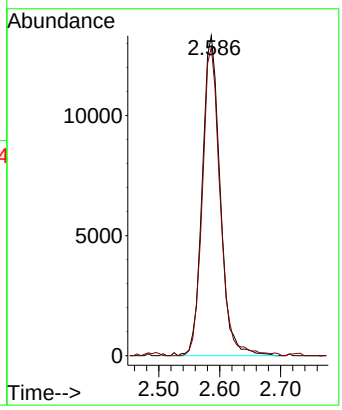


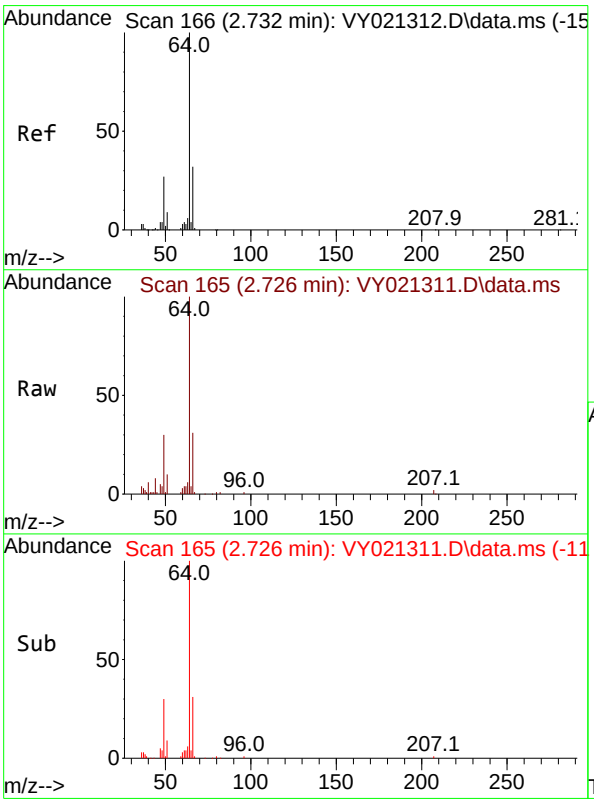
#5
Bromomethane
Concen: 18.079 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 27198

Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.2	112.8

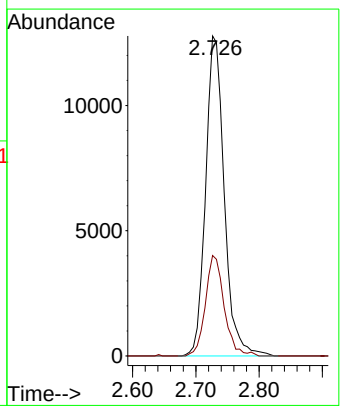


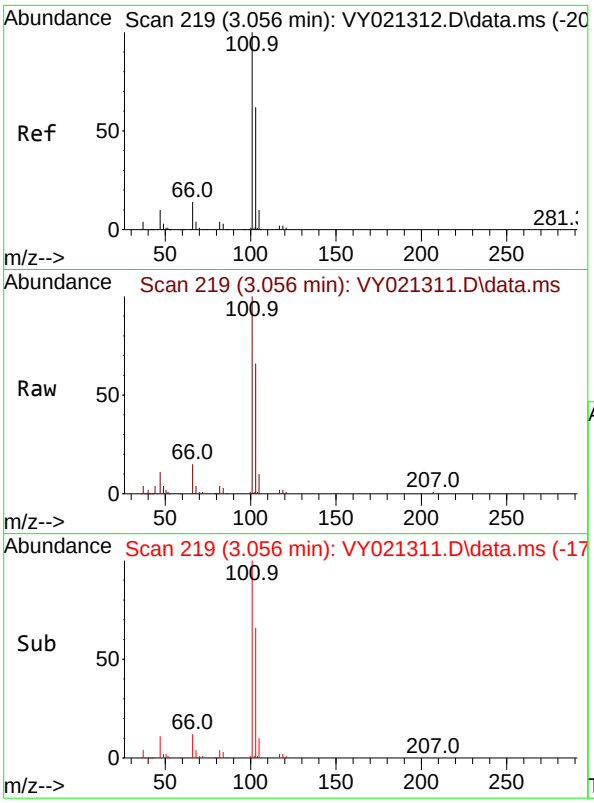


#6
Chloroethane
Concen: 18.635 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 64 Resp: 26161

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.4	38.0



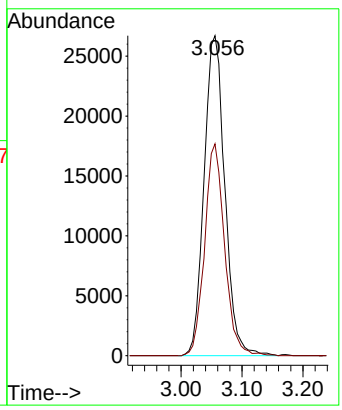


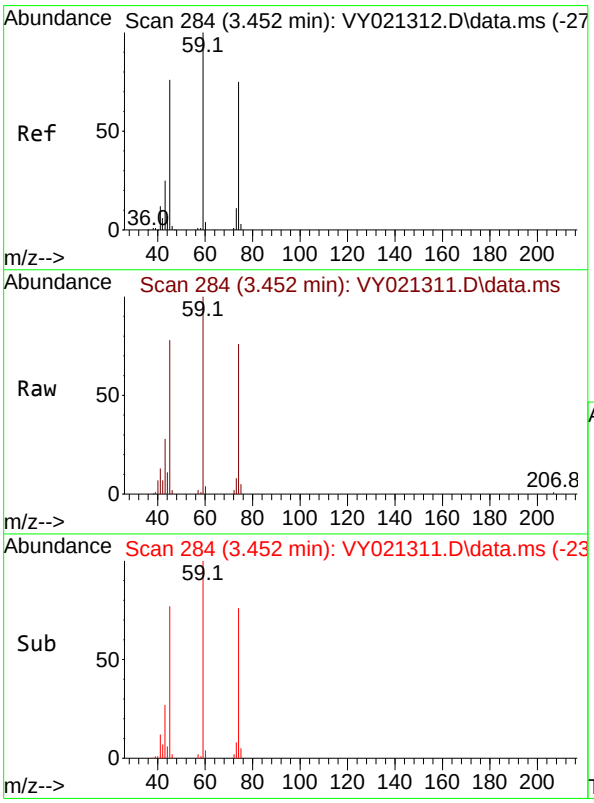
#7
Trichlorofluoromethane
Concen: 18.477 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 63170

Ion	Ratio	Lower	Upper
101	100		
103	66.2	49.7	74.5

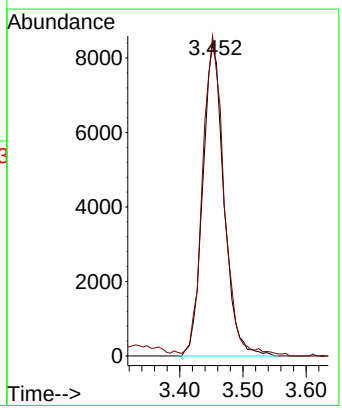


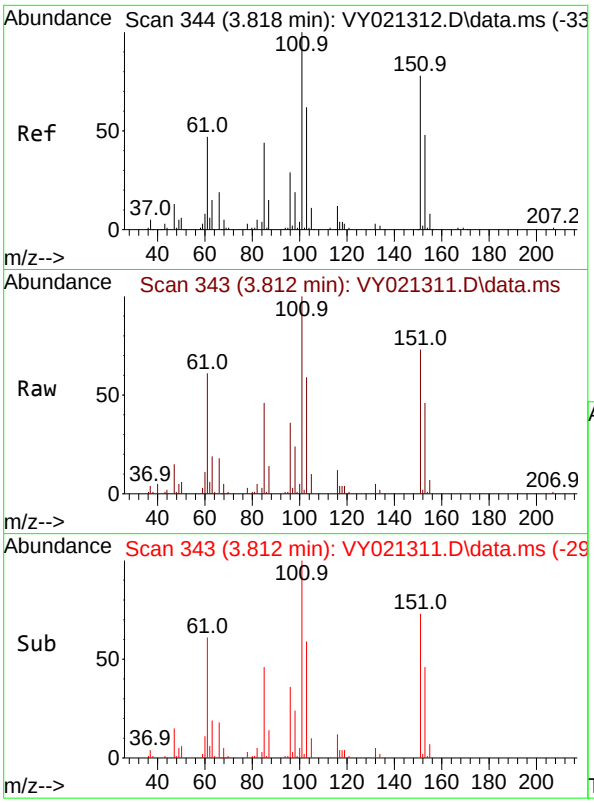


#8
Diethyl Ether
Concen: 19.066 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 74 Resp: 19564

Ion	Ratio	Lower	Upper
74	100		
45	104.3	50.3	150.9



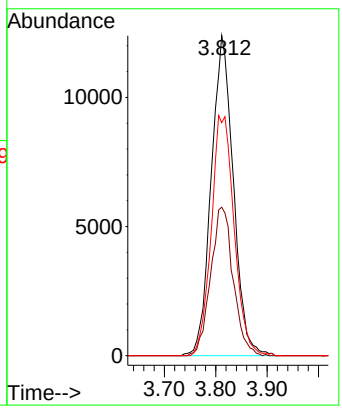


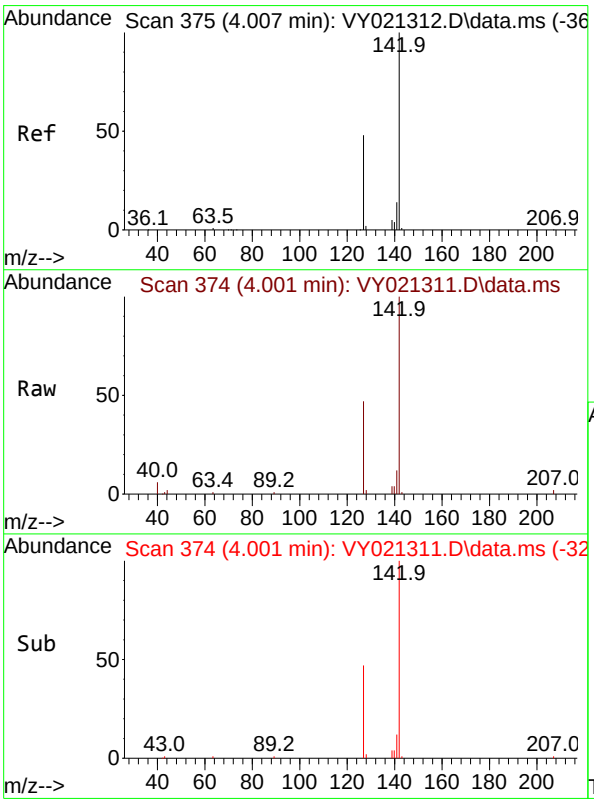
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.701 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 37017

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.7	55.1
151	77.8	62.6	94.0

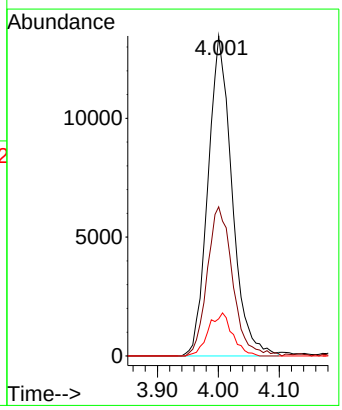


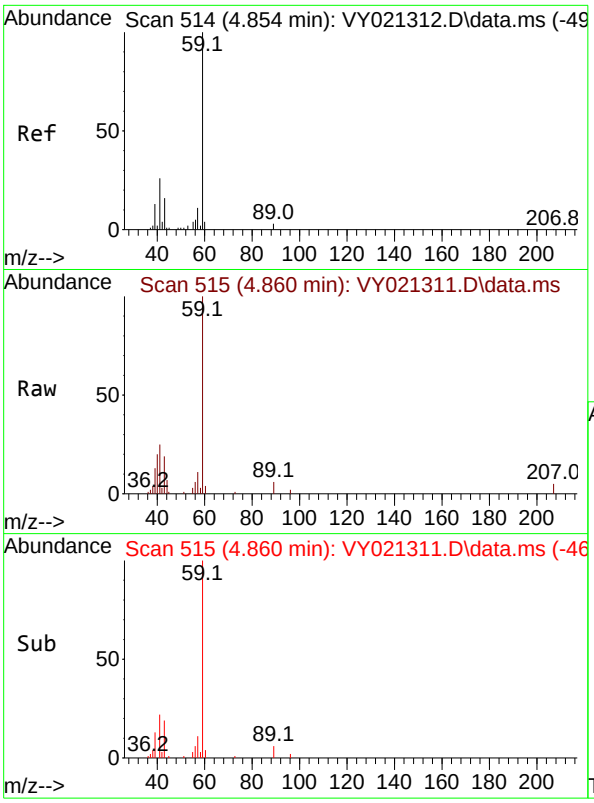


#10
Methyl Iodide
Concen: 17.741 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:142 Resp: 36945

Ion	Ratio	Lower	Upper
142	100		
127	49.1	39.2	58.8
141	13.5	11.4	17.2



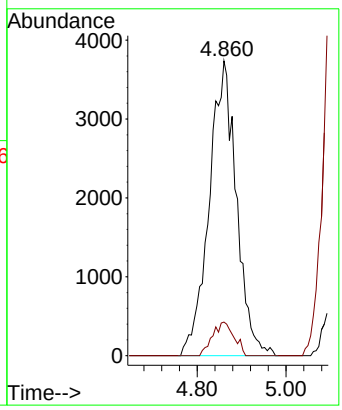


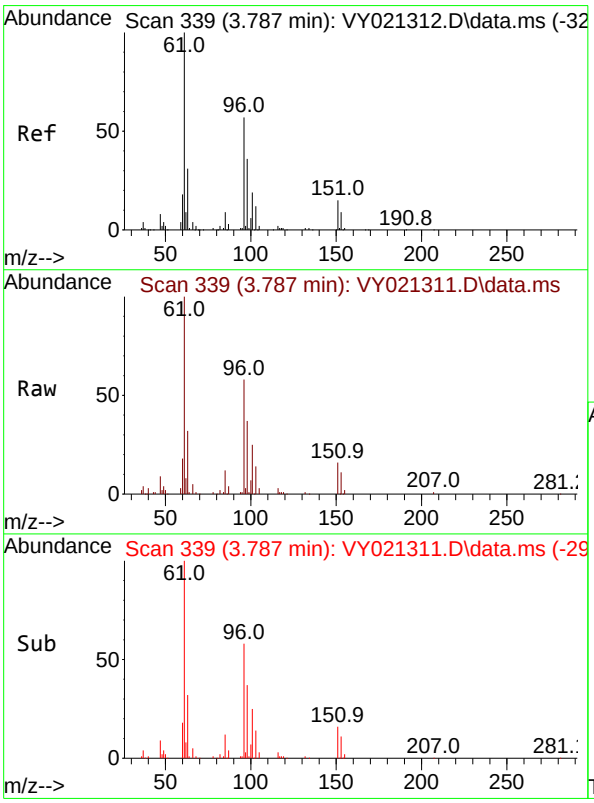
#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 15935

Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.3	12.5

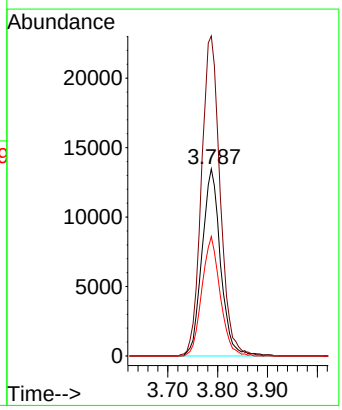


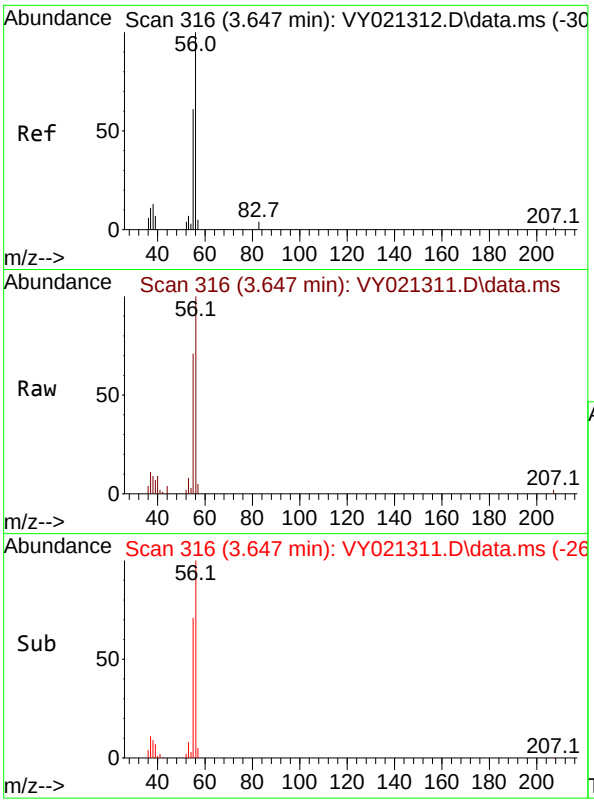


#12
1,1-Dichloroethene
Concen: 18.376 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 34827

Ion	Ratio	Lower	Upper
96	100		
61	171.1	139.7	209.5
98	63.8	49.7	74.5



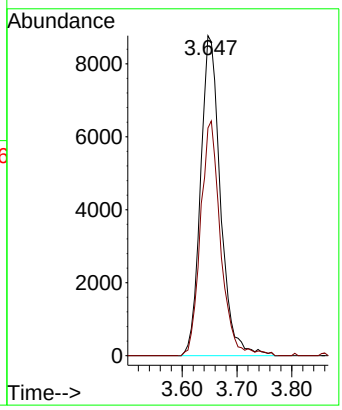


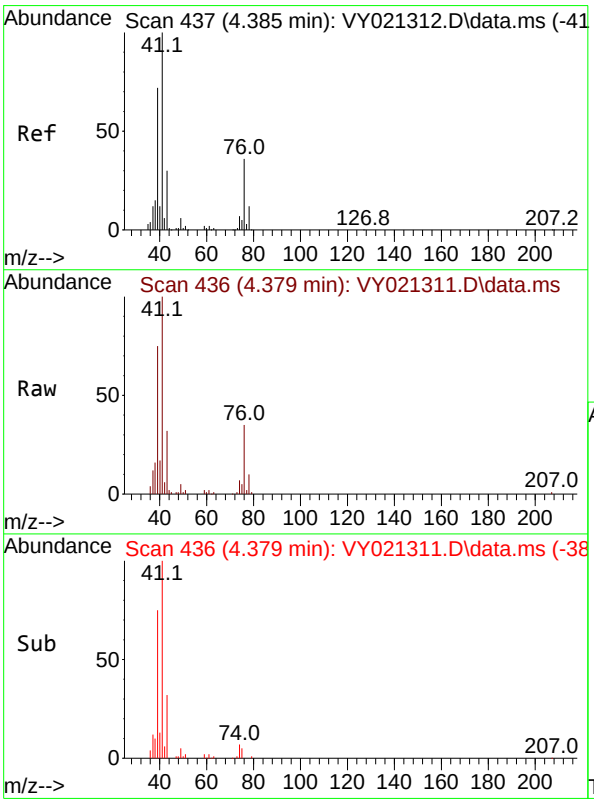
#13
Acrolein
Concen: 175.300 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 22079

Ion	Ratio	Lower	Upper
56	100		
55	74.0	59.0	88.6

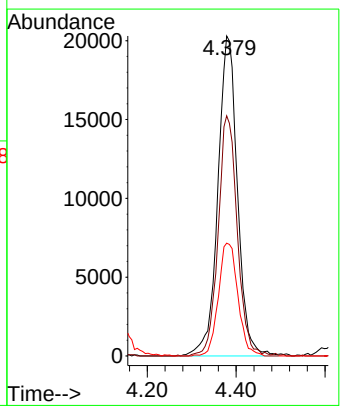


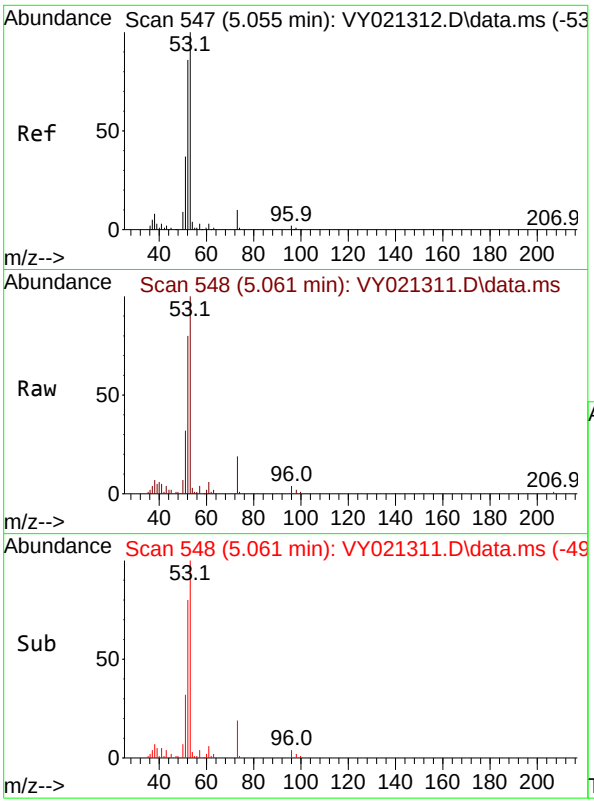


#14
Allyl chloride
Concen: 18.417 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 61887

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.0	90.0
76	35.2	29.0	43.6



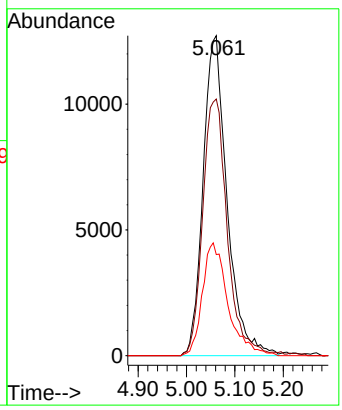


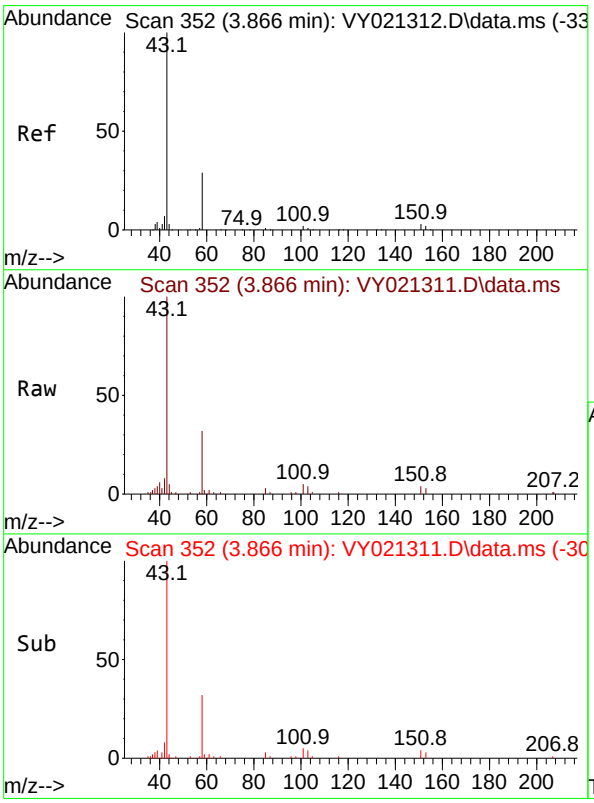
#15
Acrylonitrile
Concen: 96.460 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 43763

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.8	30.6	46.0

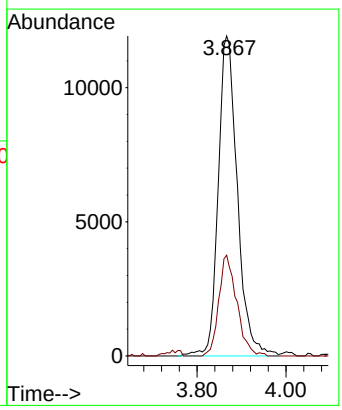


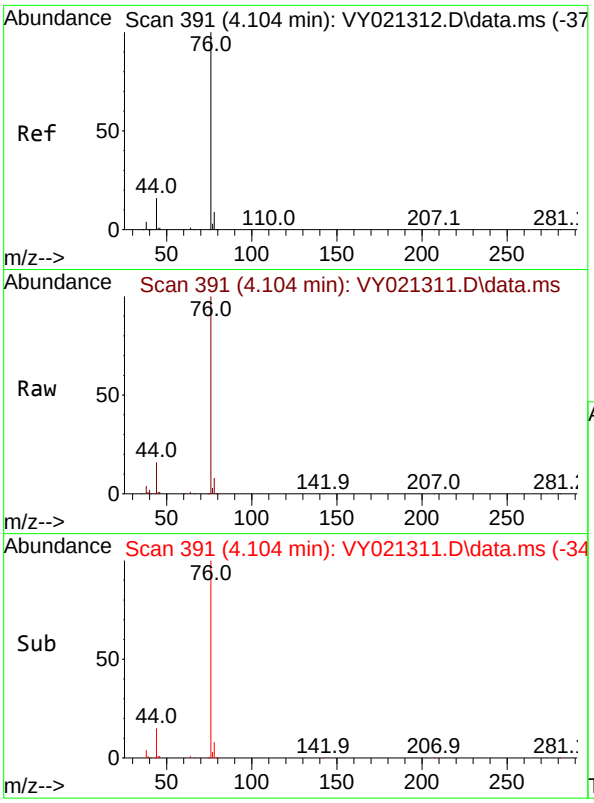


#16
Acetone
Concen: 86.623 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 35506

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.5	35.3



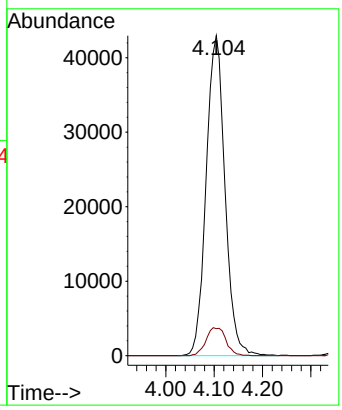


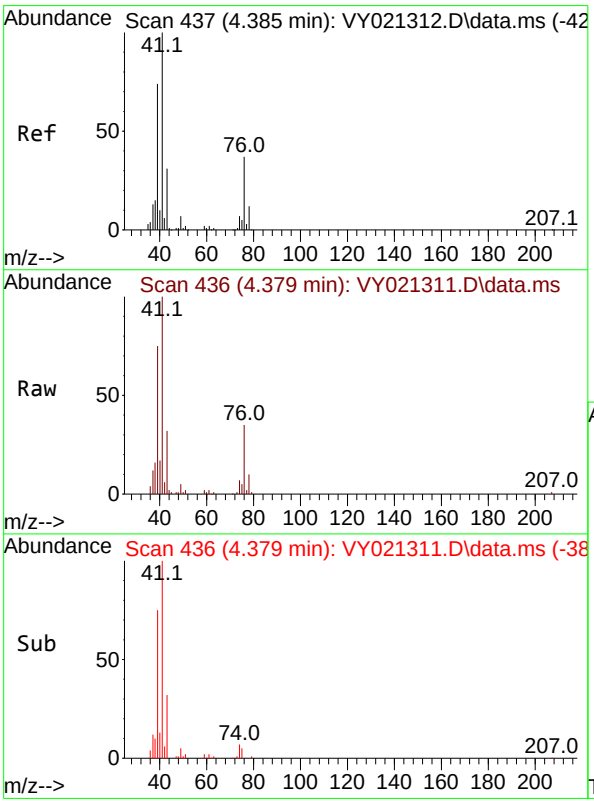
#17
Carbon Disulfide
Concen: 18.437 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 116030

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

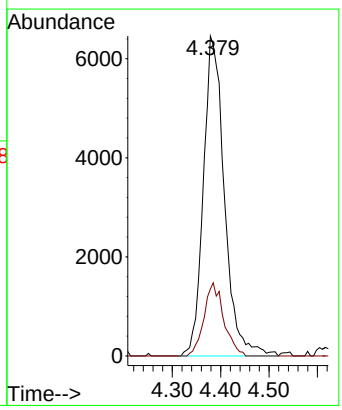


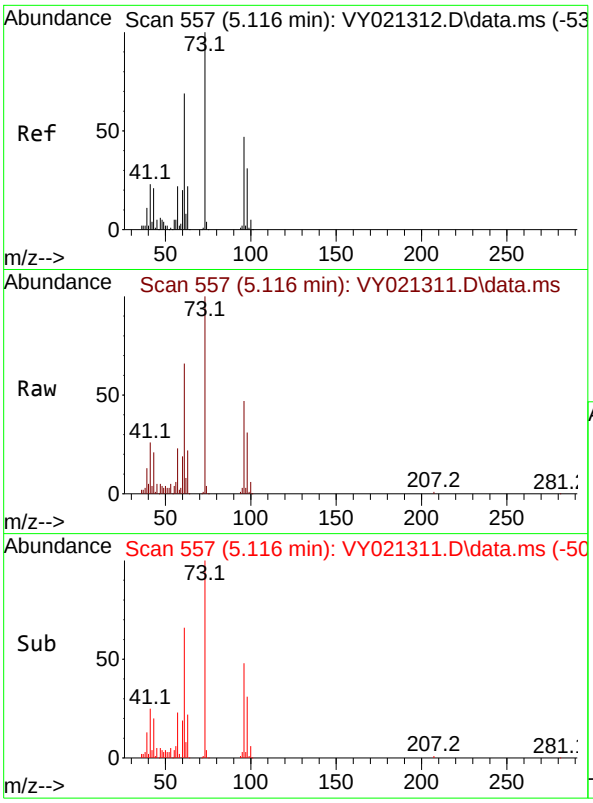


#18
Methyl Acetate
Concen: 19.500 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 19534

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.7	26.5



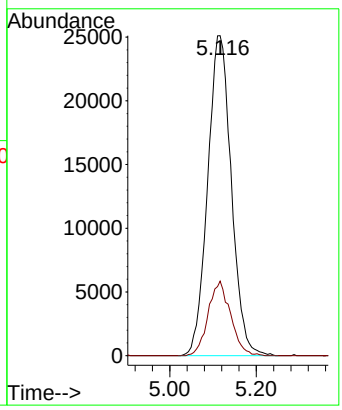


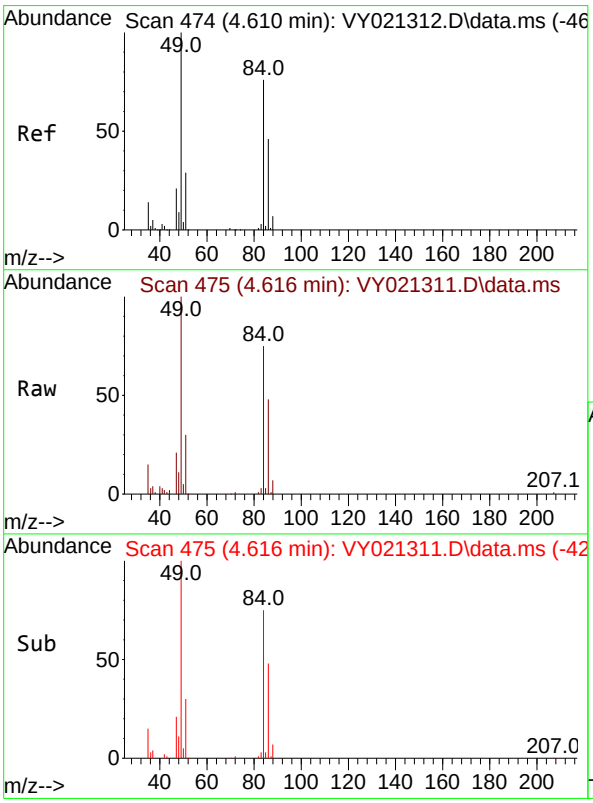
#19
Methyl tert-butyl Ether
Concen: 19.069 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 95488

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.4	26.0

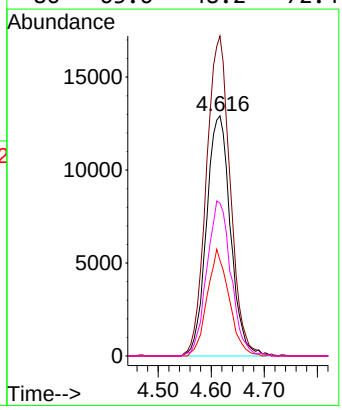


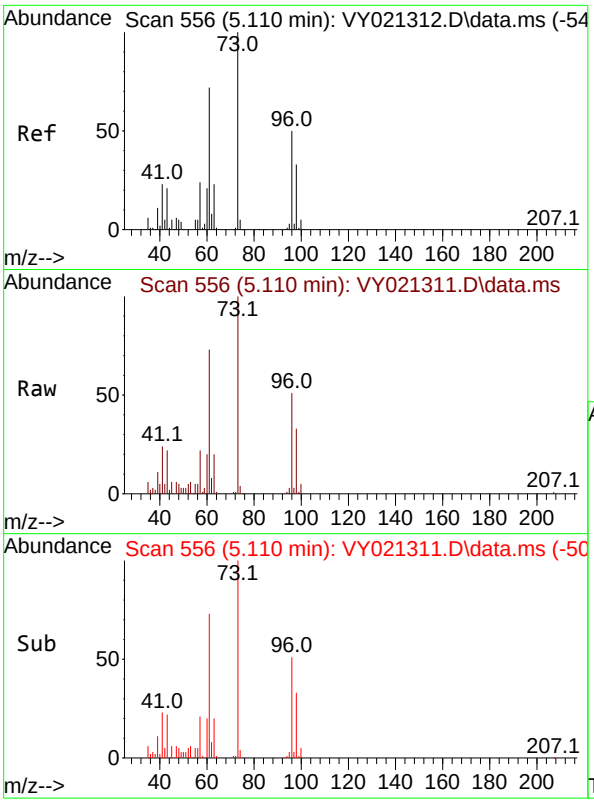


#20
Methylene Chloride
Concen: 18.331 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 40630

Ion	Ratio	Lower	Upper
84	100		
49	133.3	105.1	157.7
51	39.8	31.0	46.4
86	63.6	48.2	72.4



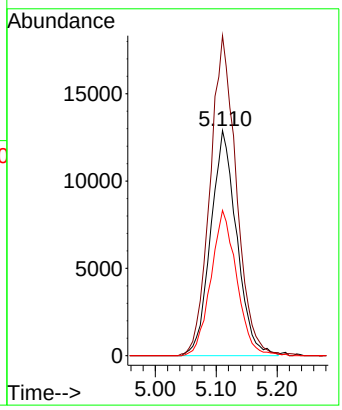


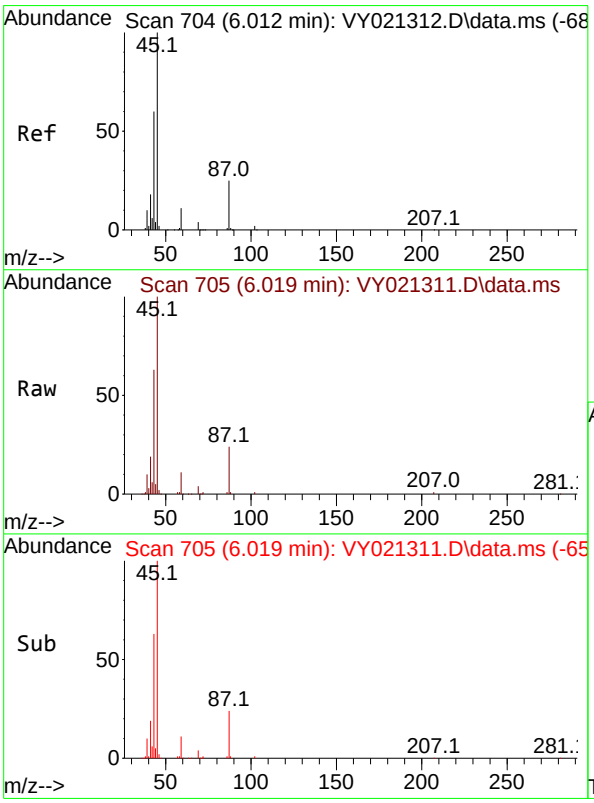
#21
trans-1,2-Dichloroethene
Concen: 18.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 38218

Ion	Ratio	Lower	Upper
96	100		
61	142.1	116.3	174.5
98	64.5	52.6	78.8

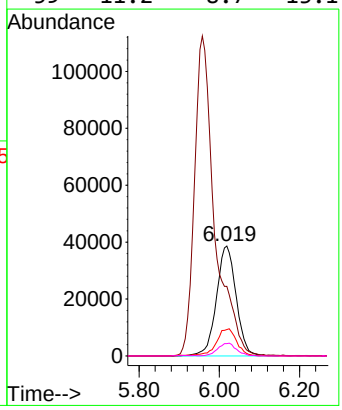


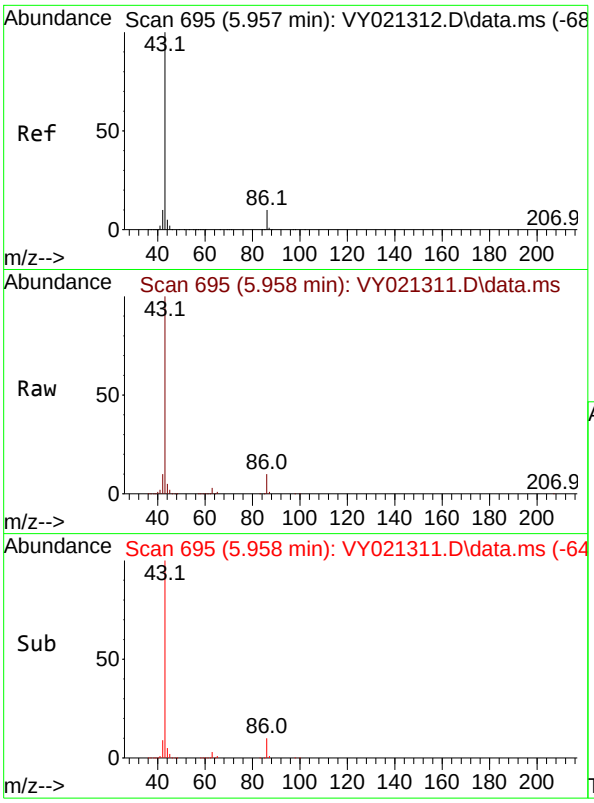


#22
Diisopropyl ether
Concen: 18.989 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 45 Resp: 132039

Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.2	72.4
87	24.1	20.3	30.5
59	11.2	8.7	13.1



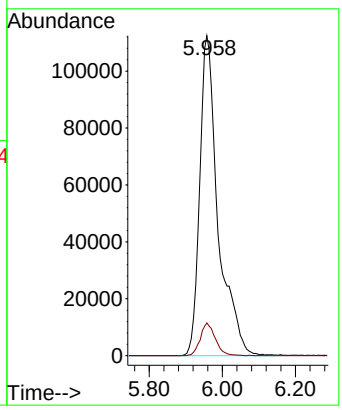


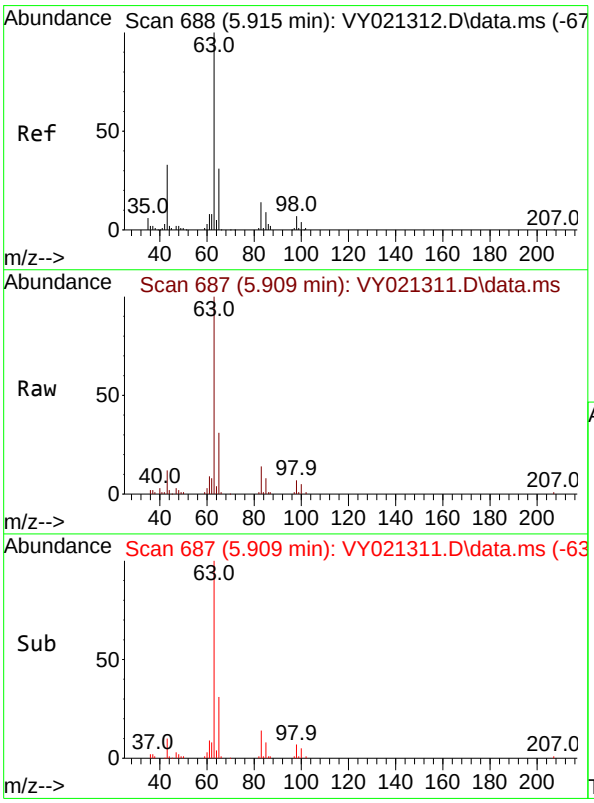
#23
Vinyl Acetate
Concen: 94.730 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 393629

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

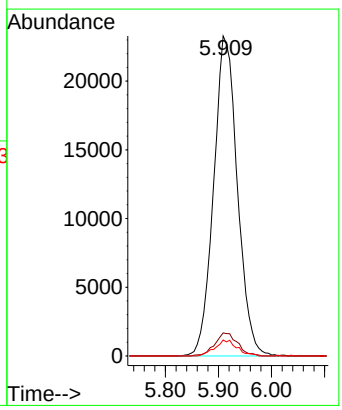


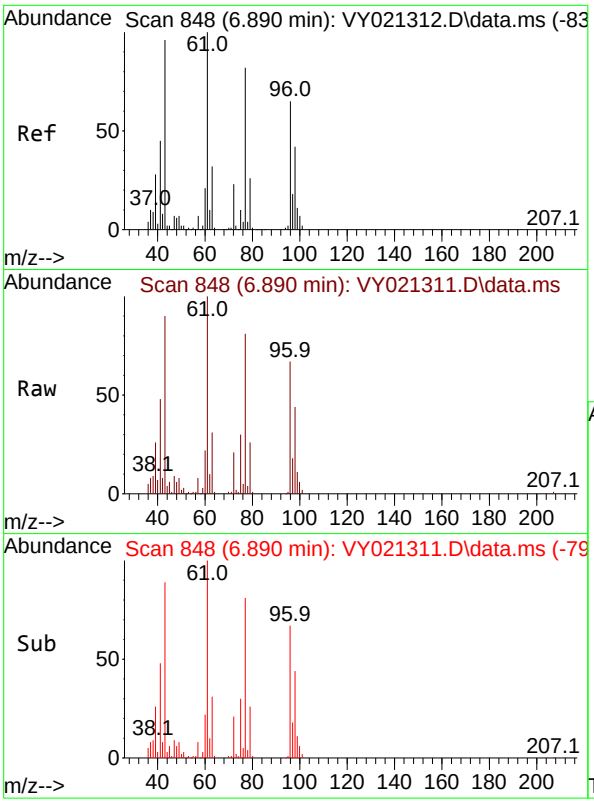


#24
1,1-Dichloroethane
Concen: 18.480 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 72428

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	5.0	2.1	6.5



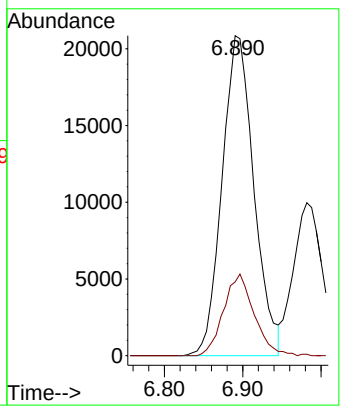


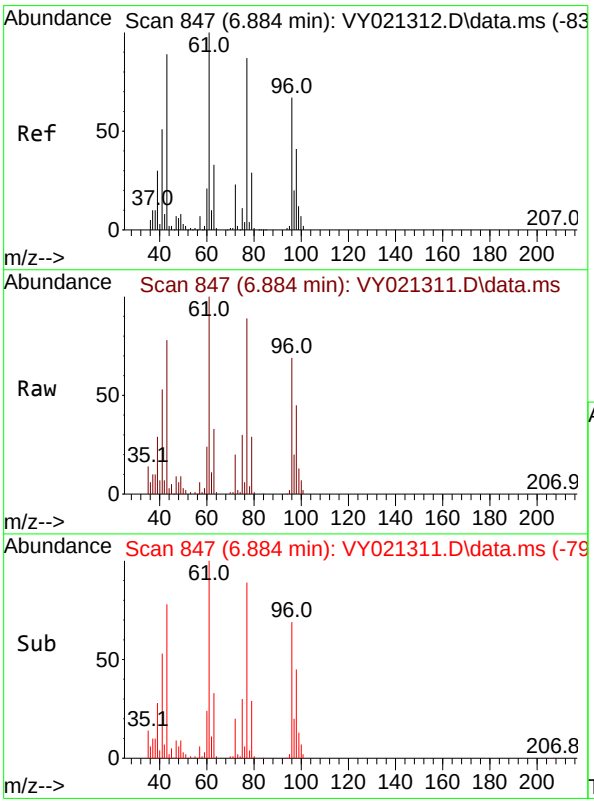
#25
2-Butanone
Concen: 95.278 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 58941

Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.6

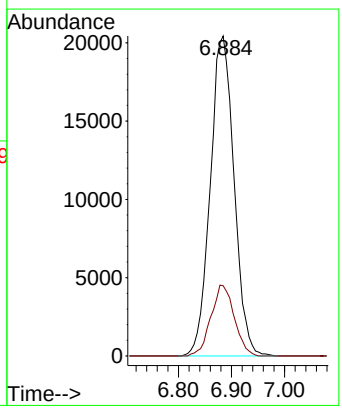


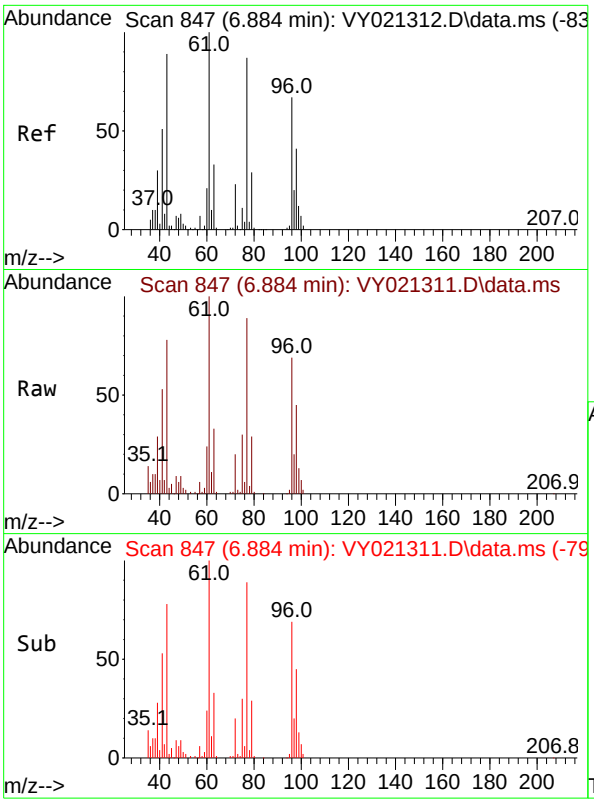


#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 77 Resp: 63686

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7



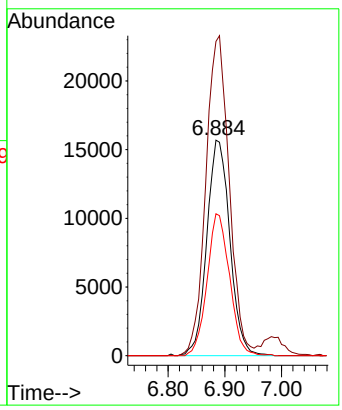


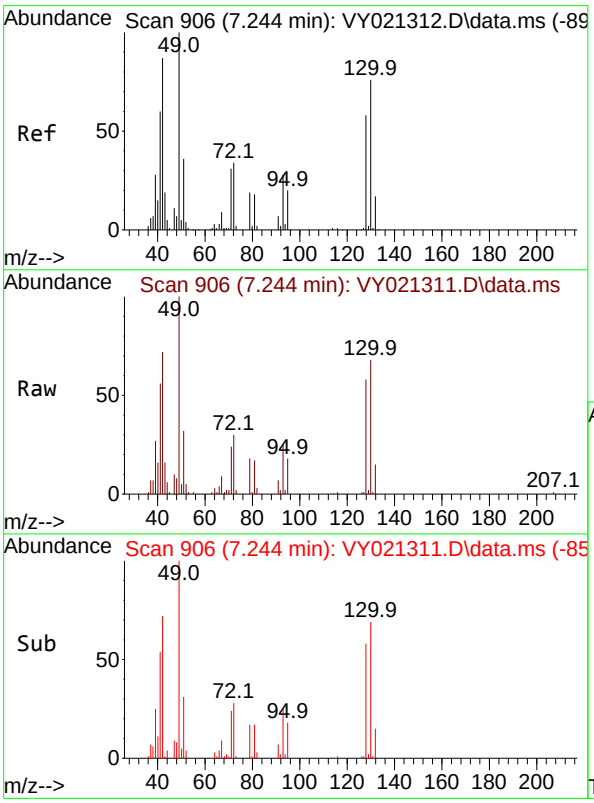
#27
cis-1,2-Dichloroethene
Concen: 18.592 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44297

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	308.0
98	64.3	0.0	129.6

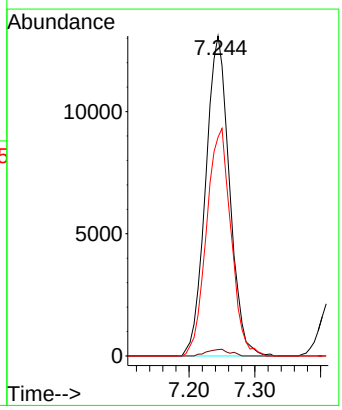


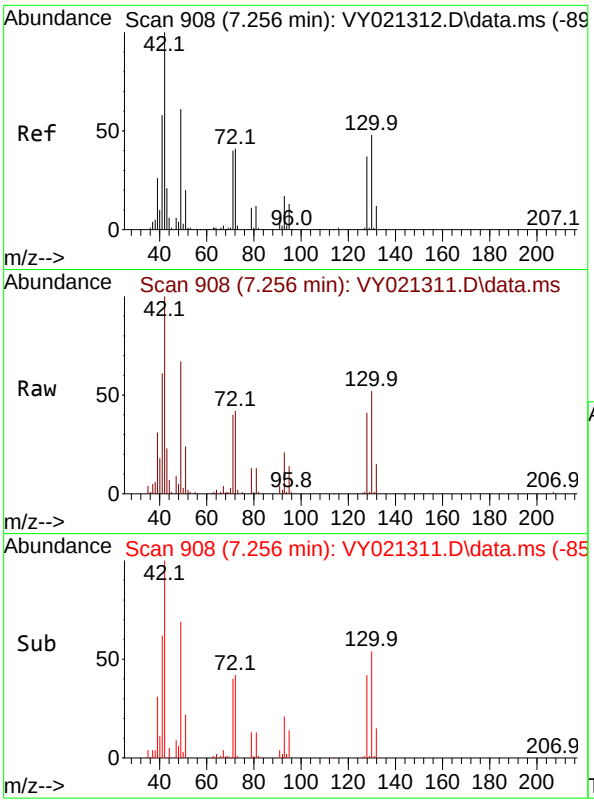


#28
Bromochloromethane
Concen: 19.022 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 49 Resp: 32987

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.2	57.8	86.6



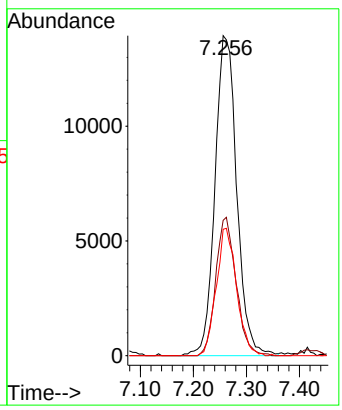


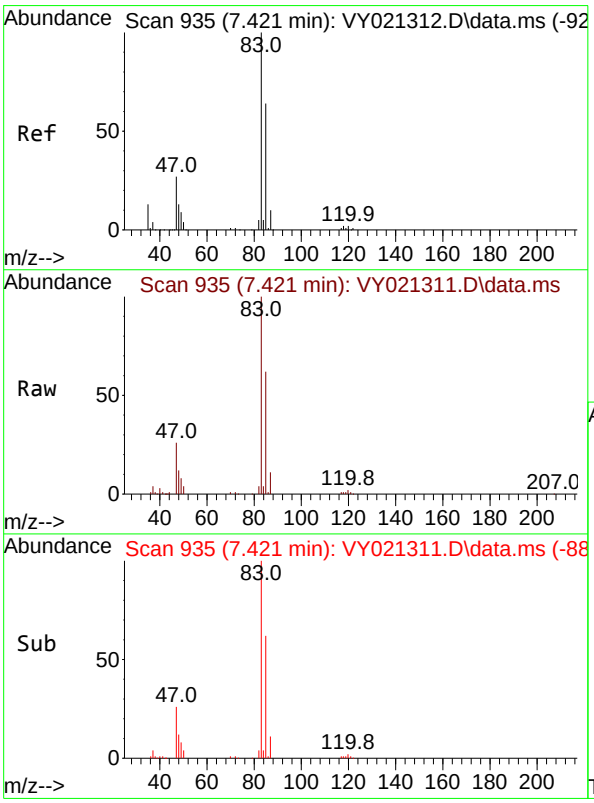
#29
Tetrahydrofuran
Concen: 98.365 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 39775

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	37.2	31.4	47.0

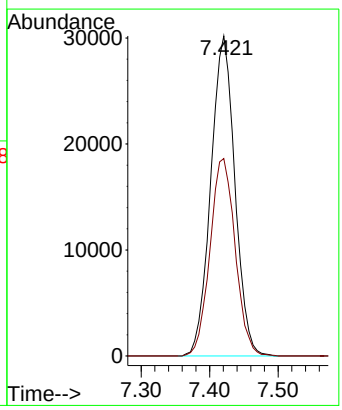


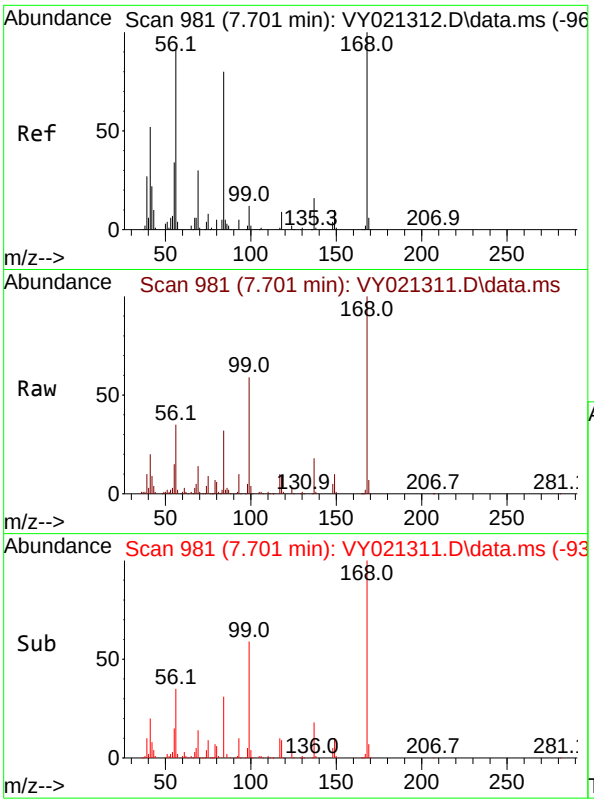


#30
Chloroform
Concen: 18.543 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 73639

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.6	77.4



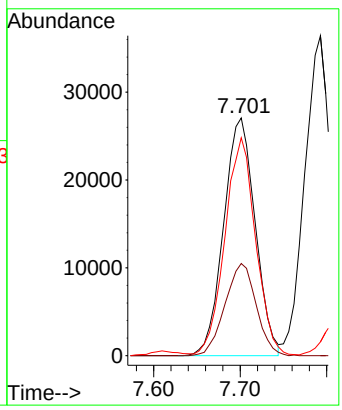


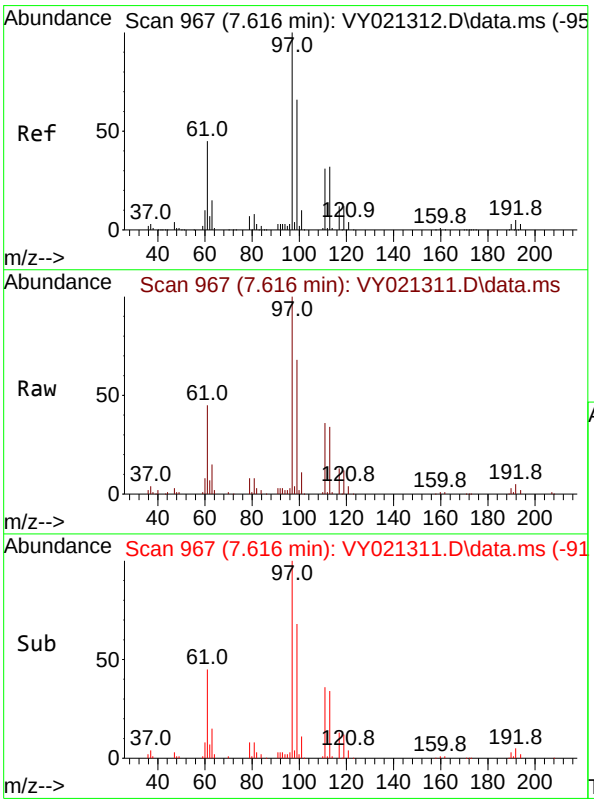
#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 68531

Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.2	39.4
84	90.4	70.2	105.4

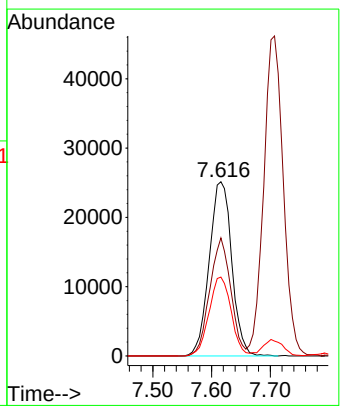


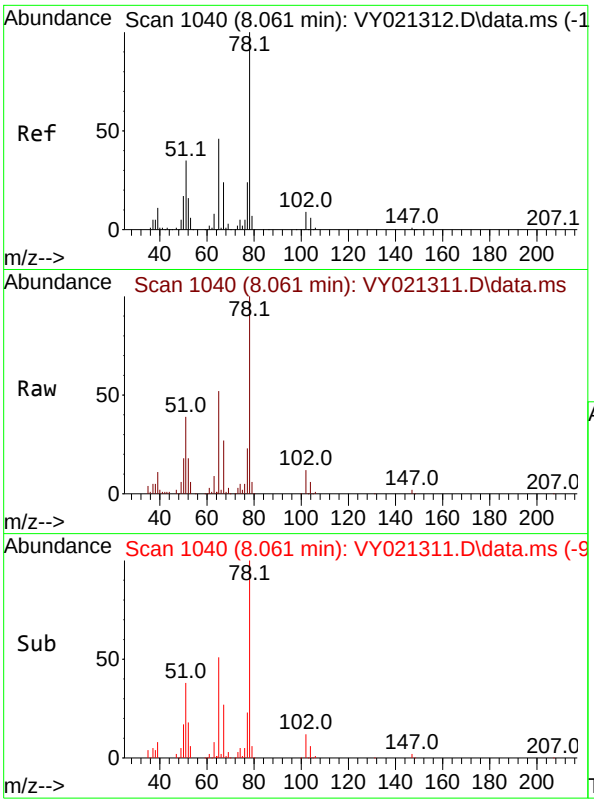


#32
1,1,1-Trichloroethane
Concen: 18.538 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 67011

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.4	78.6
61	44.5	36.2	54.2



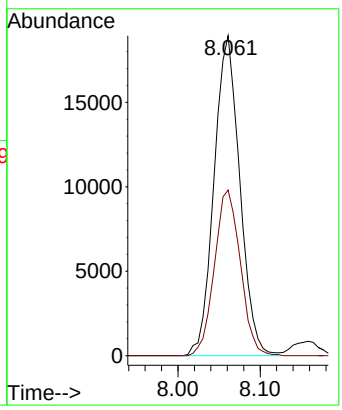


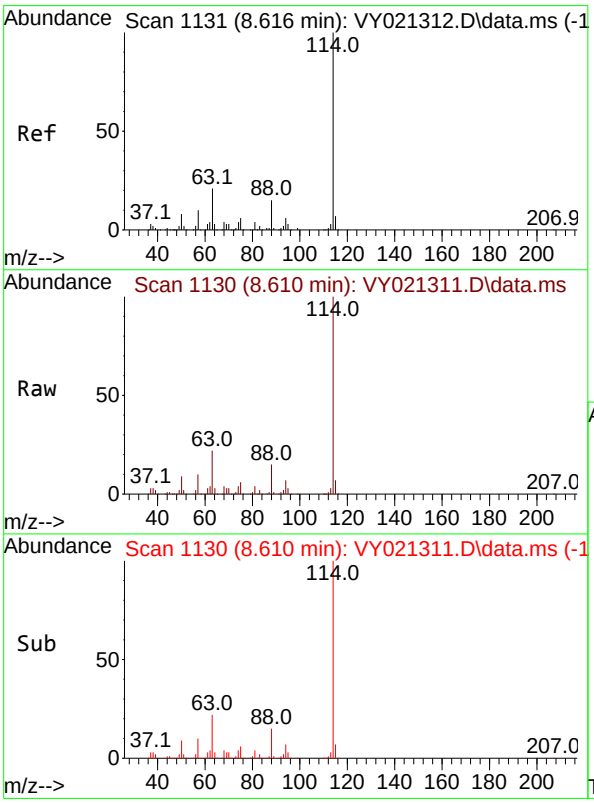
#33
1,2-Dichloroethane-d4
Concen: 19.337 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 41320

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.6

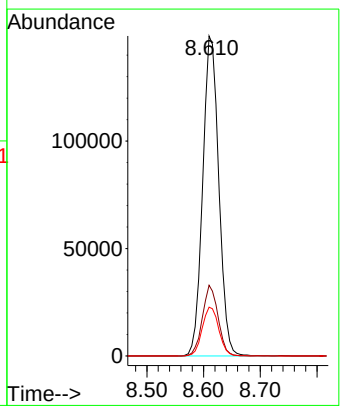


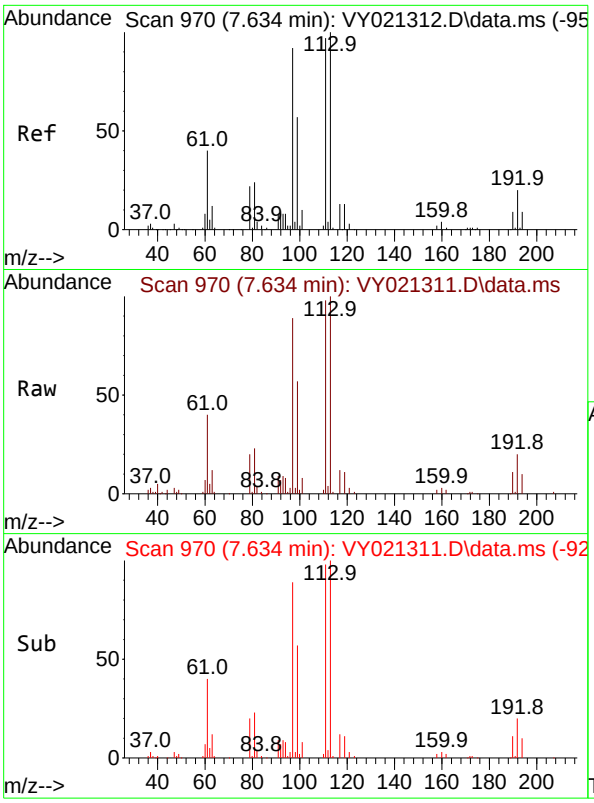


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:114 Resp: 293434

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.2
88	15.2	0.0	29.8



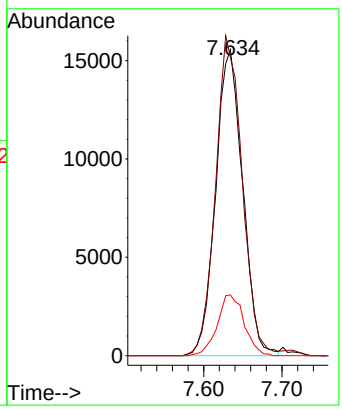


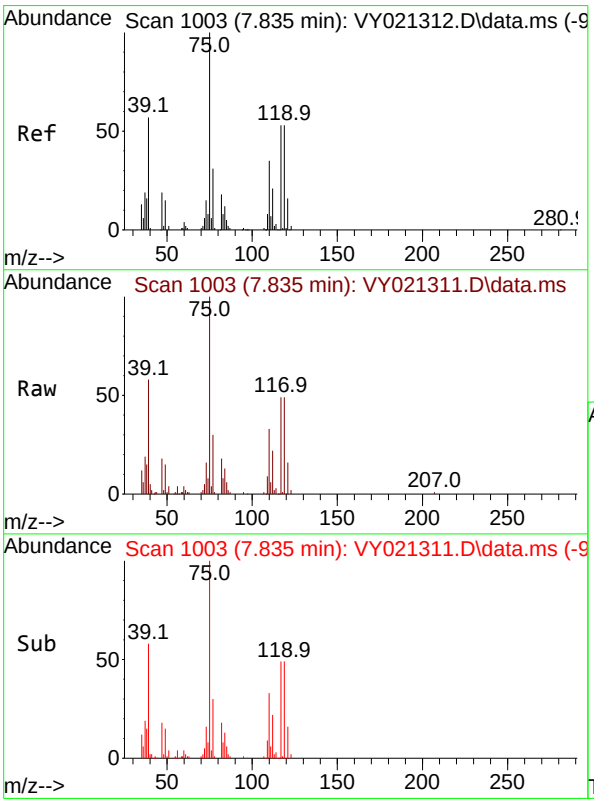
#35
Dibromofluoromethane
Concen: 19.371 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 37265

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	19.8	15.8	23.8

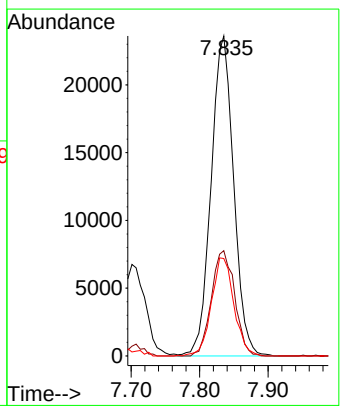


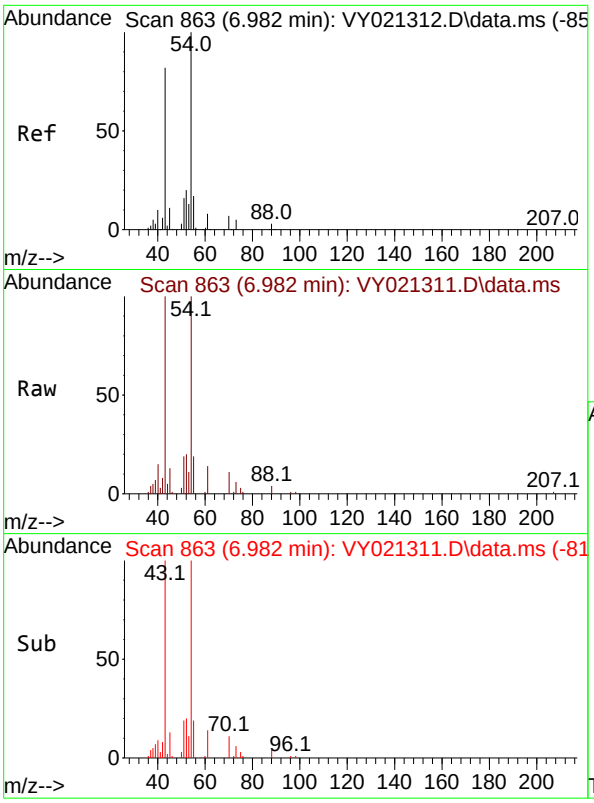


#36
1,1-Dichloropropene
Concen: 18.685 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 53995

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.7
77	30.6	24.6	36.8



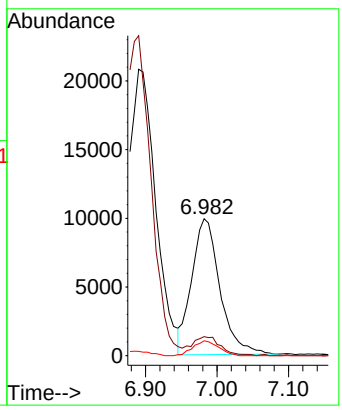


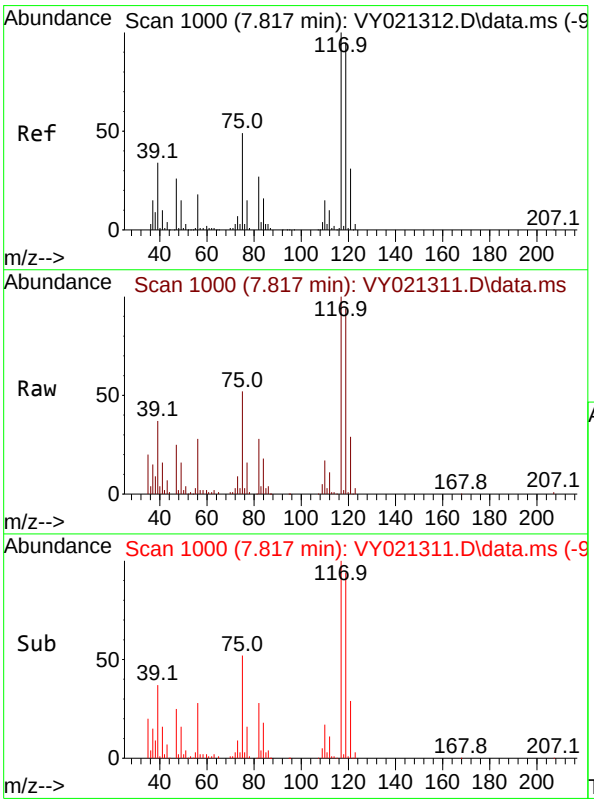
#37
Ethyl Acetate
Concen: 18.914 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 27188

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	9.8	7.5	11.3

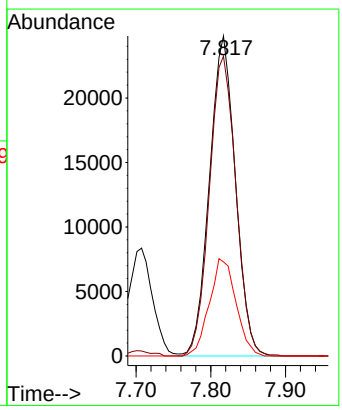


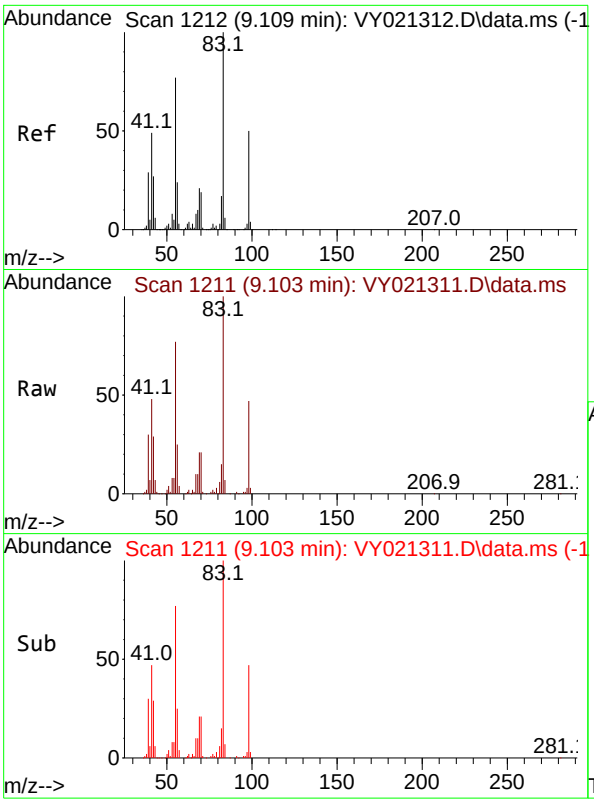


#38
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 59733

Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.0	114.0
121	29.4	24.9	37.3



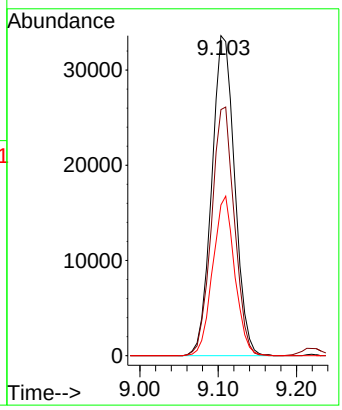


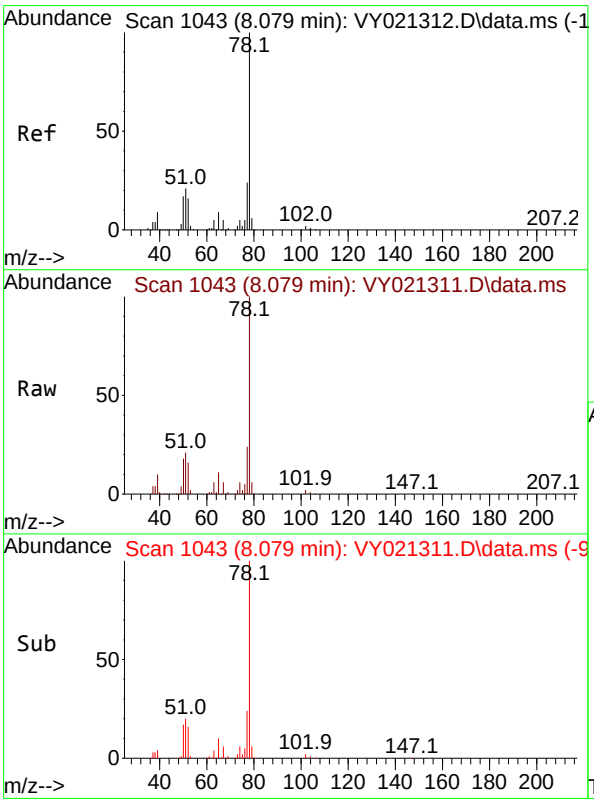
#39
Methylcyclohexane
Concen: 18.746 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68516

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.3	91.9
98	47.1	39.9	59.9

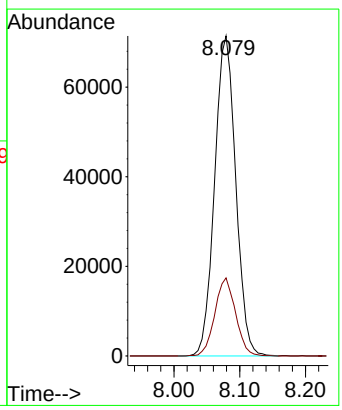


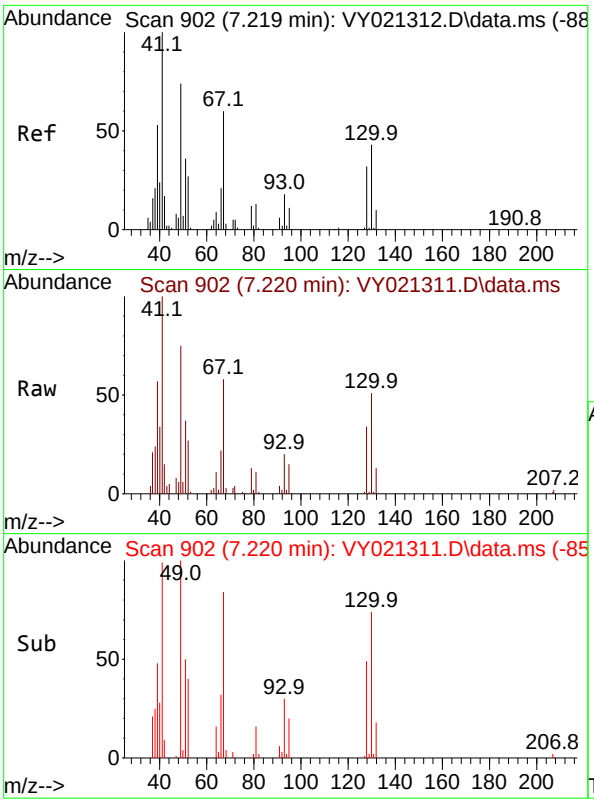


#40
Benzene
Concen: 18.676 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 78 Resp: 159536

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8



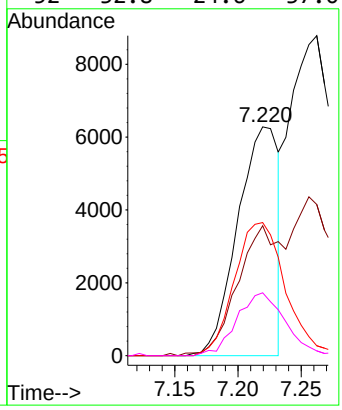


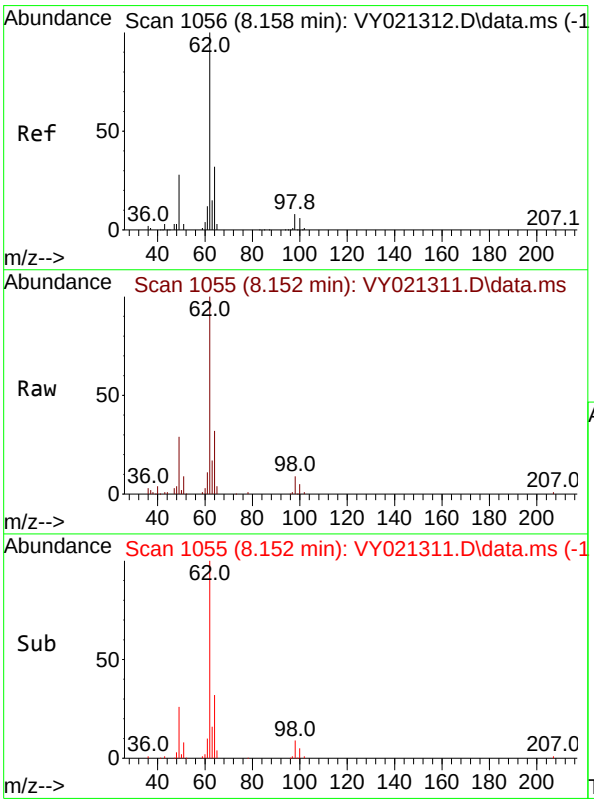
#41
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 14108

Ion	Ratio	Lower	Upper
41	100		
39	63.1	42.3	63.5
67	72.9	54.8	82.2
52	32.8	24.6	37.0

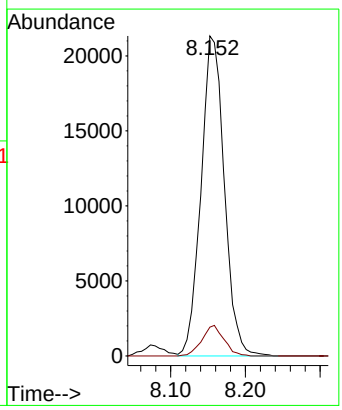


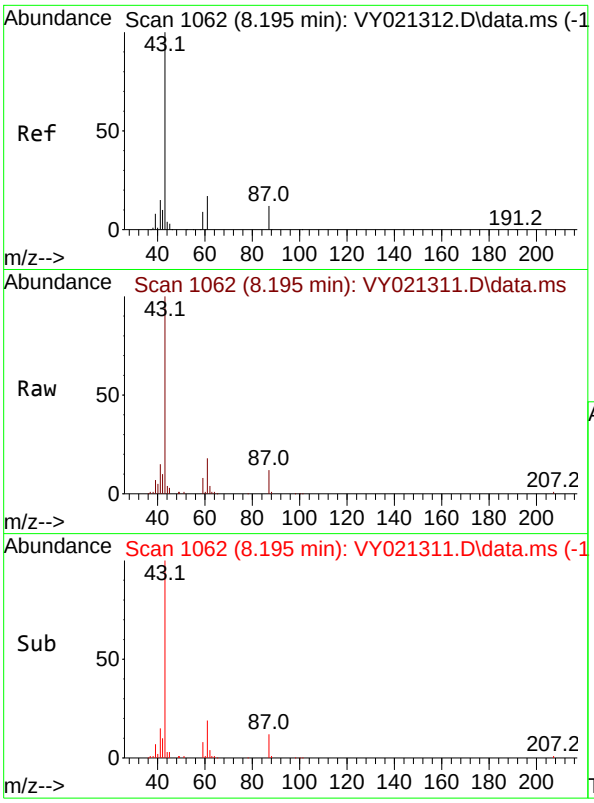


#42
1,2-Dichloroethane
Concen: 19.043 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



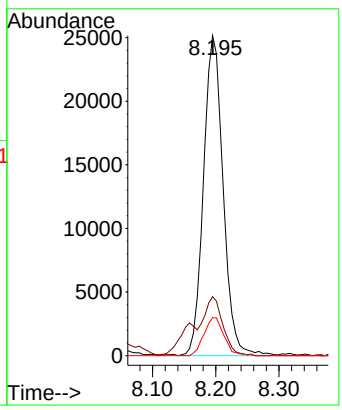


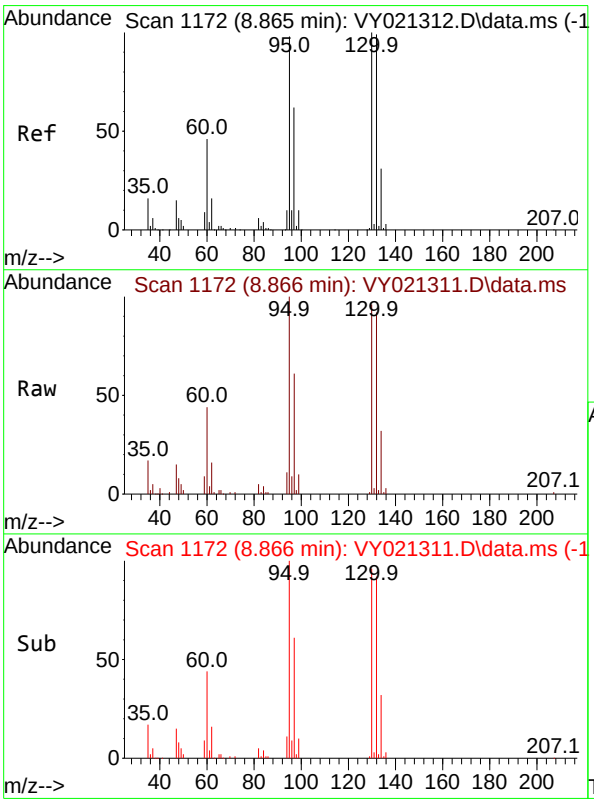
#43
Isopropyl Acetate
Concen: 19.583 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 54484

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.0	22.6
87	12.1	10.0	15.0

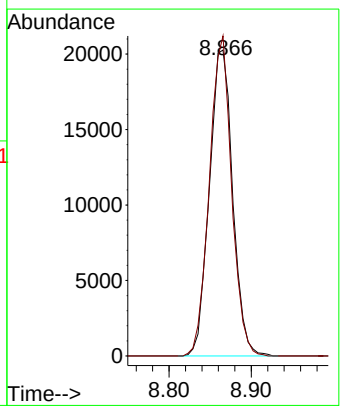


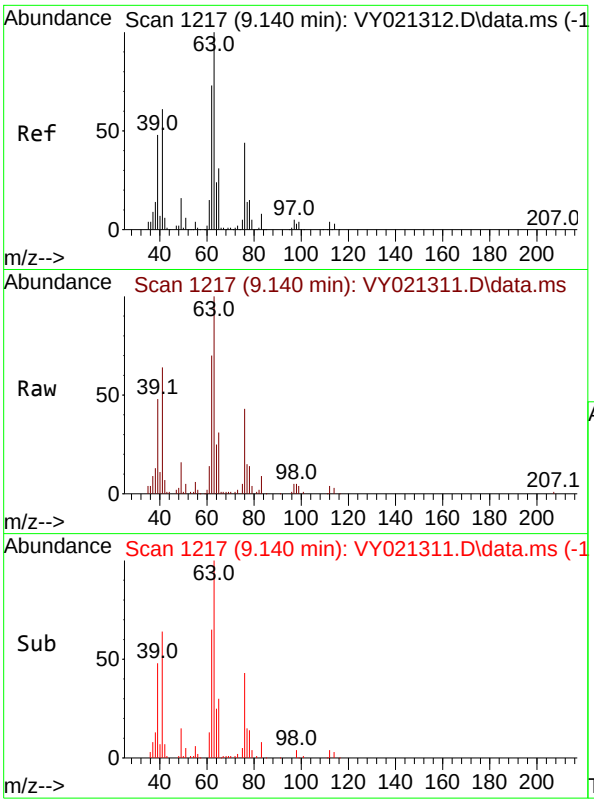


#44
Trichloroethene
Concen: 18.706 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:130 Resp: 40005

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	196.0



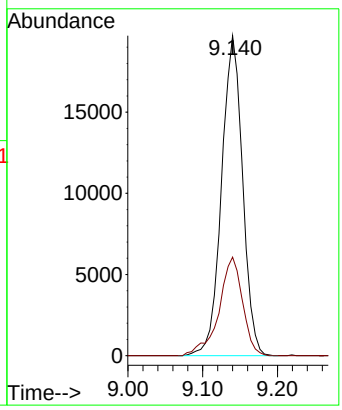


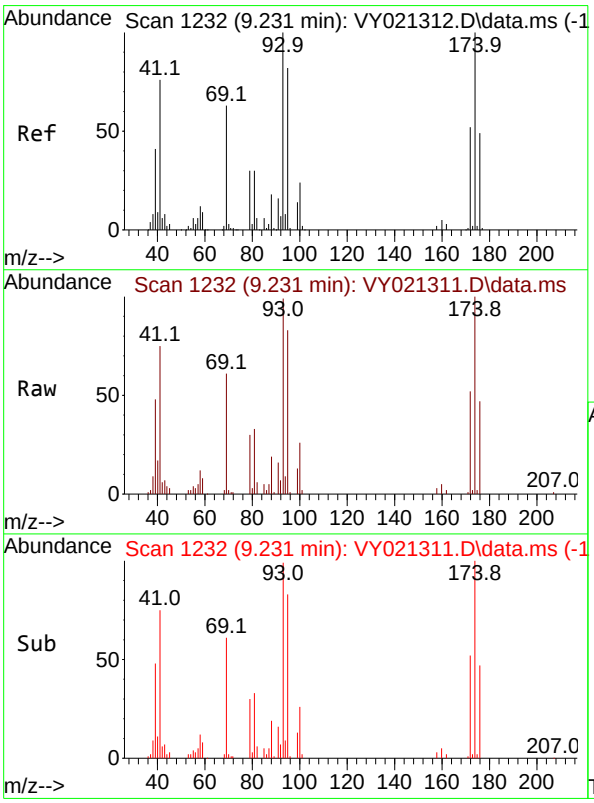
#45
1,2-Dichloropropane
Concen: 18.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 38611

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

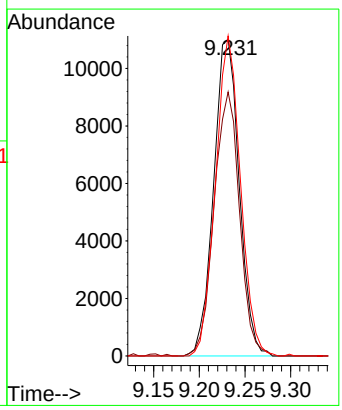


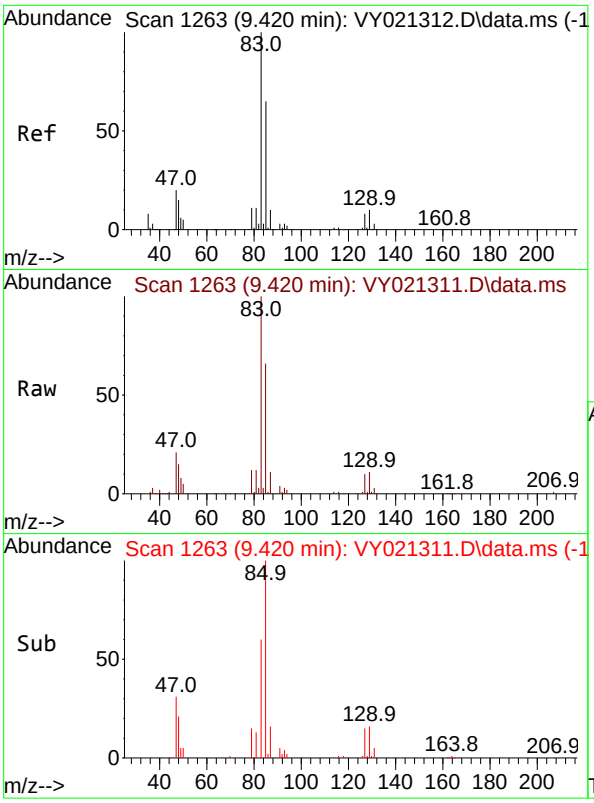


#46
Dibromomethane
Concen: 19.063 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 93 Resp: 21421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	98.7	78.2	117.2



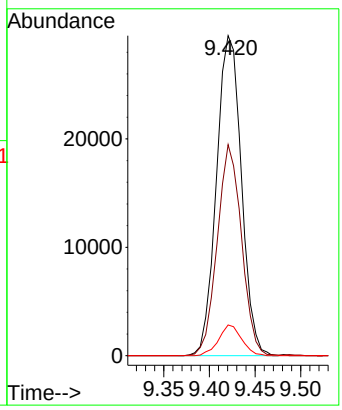


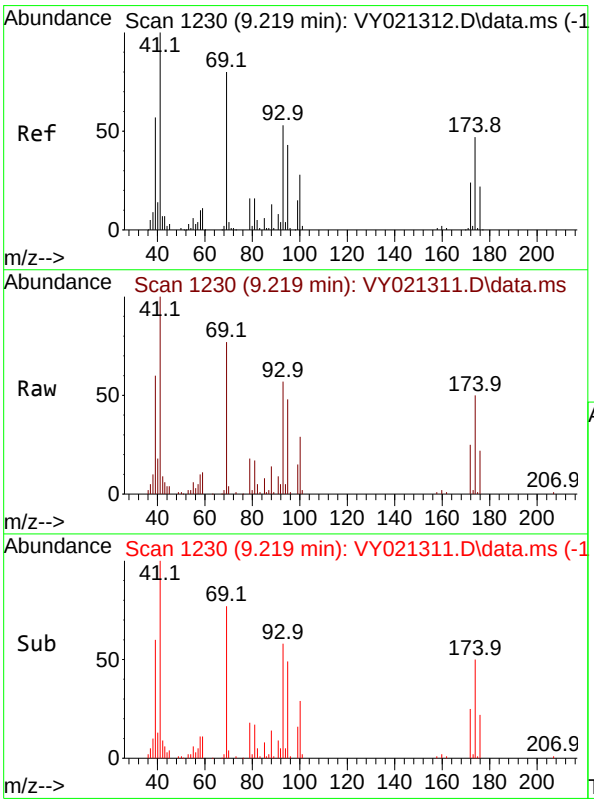
#47
Bromodichloromethane
Concen: 18.701 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 56033

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8
127	9.6	6.7	10.1

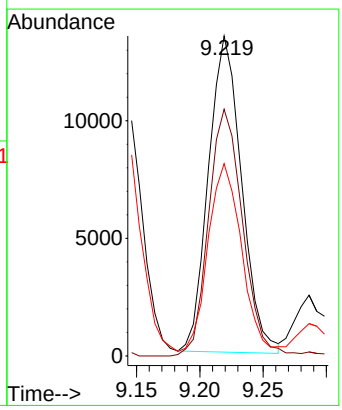


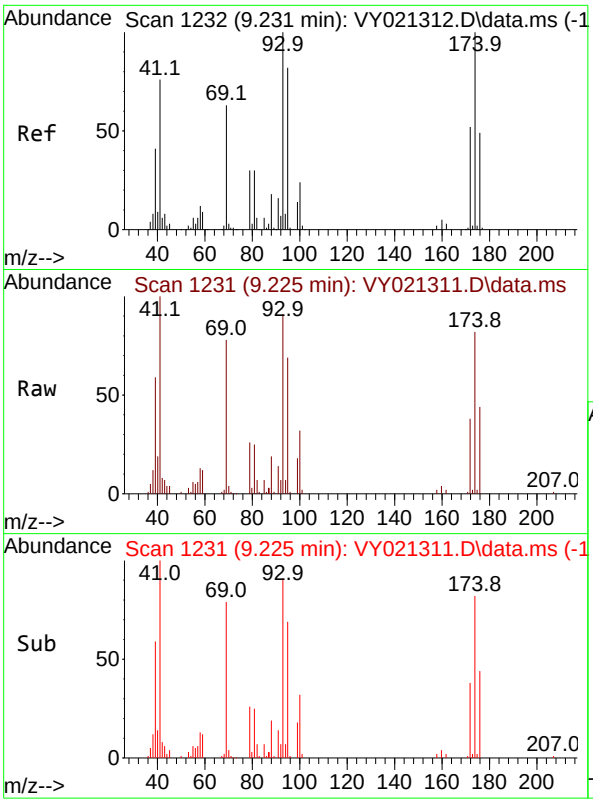


#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 24461

Ion	Ratio	Lower	Upper
41	100		
69	80.2	63.3	94.9
39	60.2	45.0	67.6



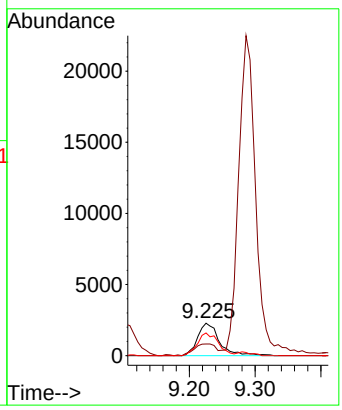


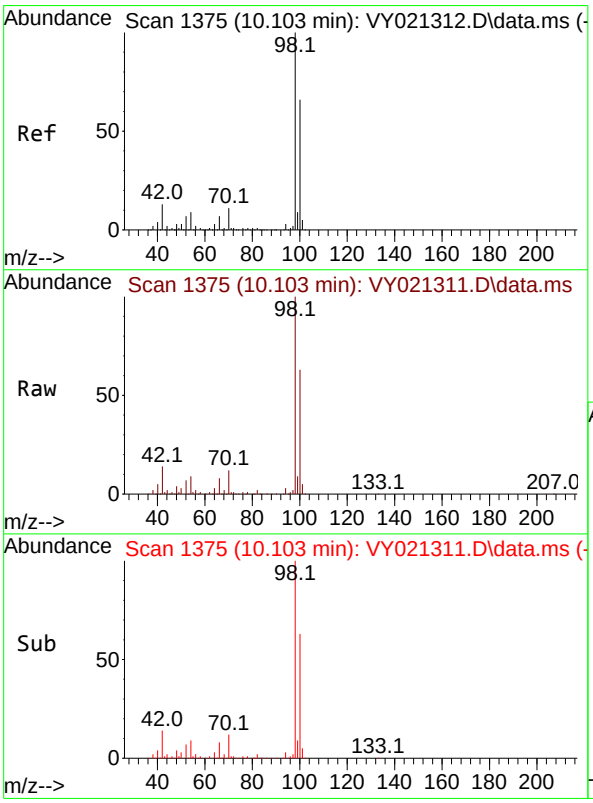
#49
1,4-Dioxane
Concen: 424.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 5308

Ion	Ratio	Lower	Upper
88	100		
43	35.4	34.8	52.2
58	66.8	59.8	89.6

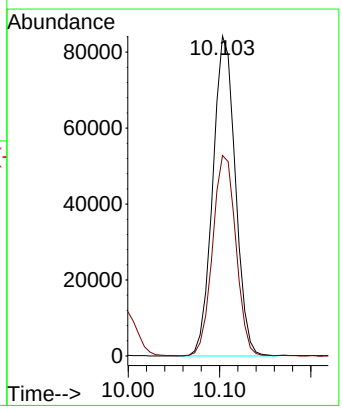


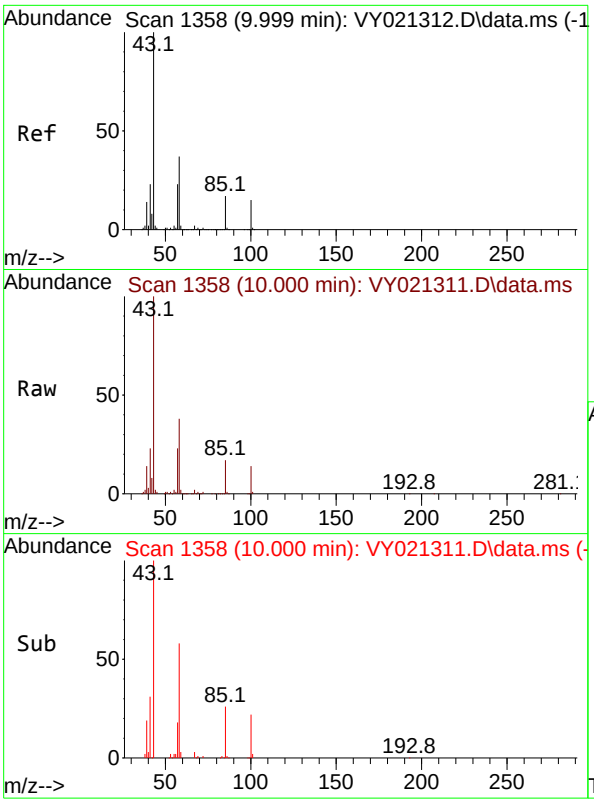


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 98 Resp: 144409

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6



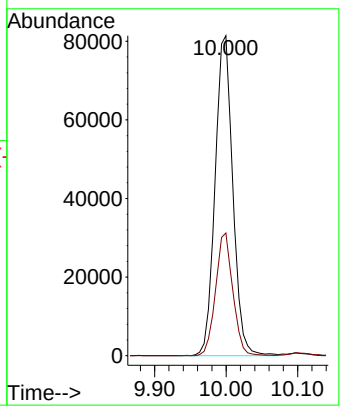


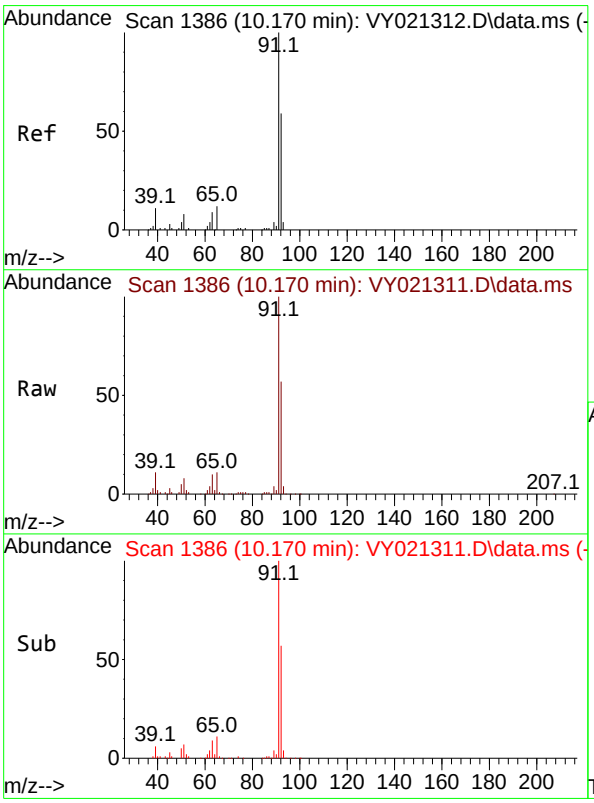
#51
4-Methyl-2-Pentanone
Concen: 98.430 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 140187

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1

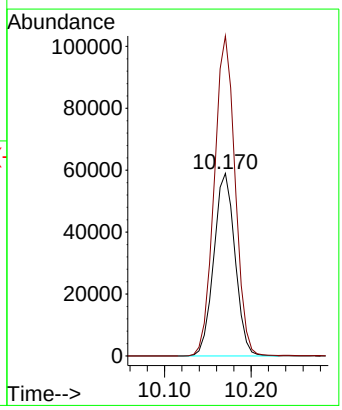


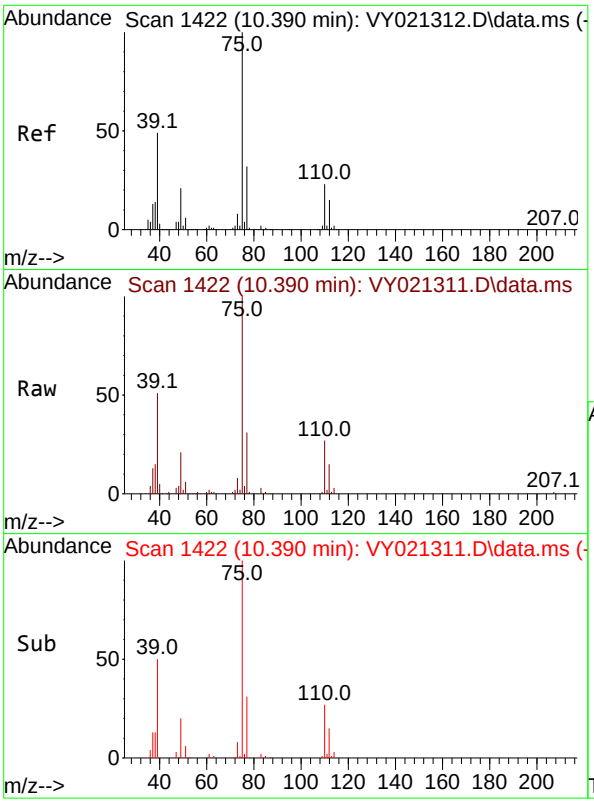


#52
Toluene
Concen: 18.854 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 92 Resp: 100050

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.8	206.8



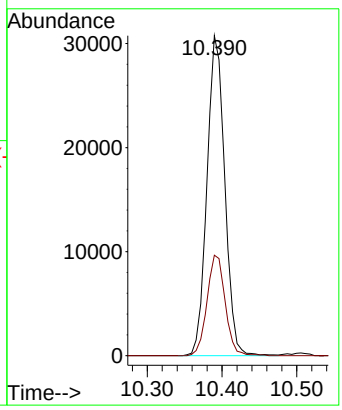


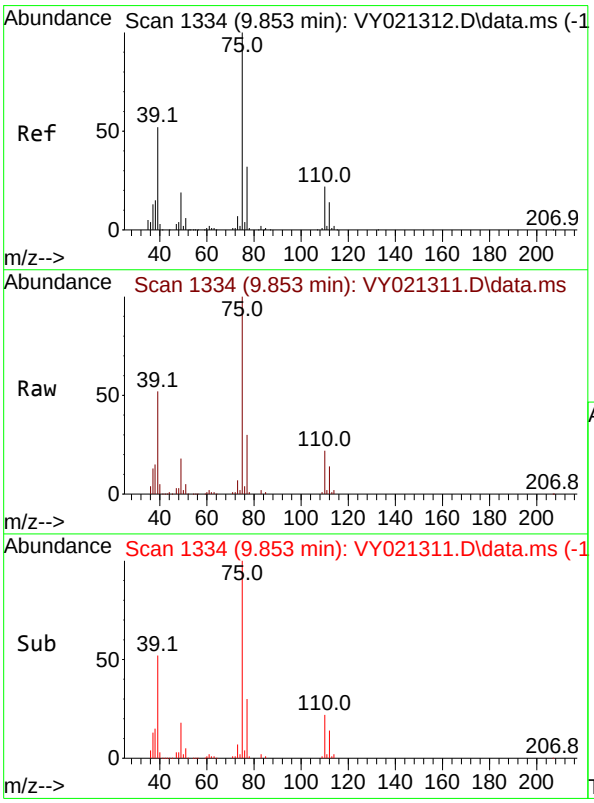
#53
t-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 50957

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9

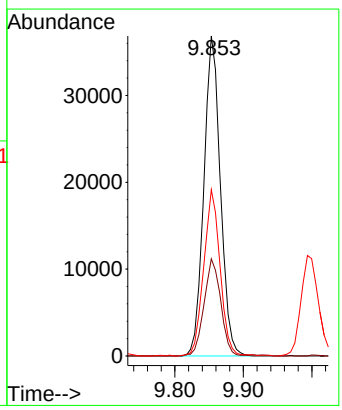


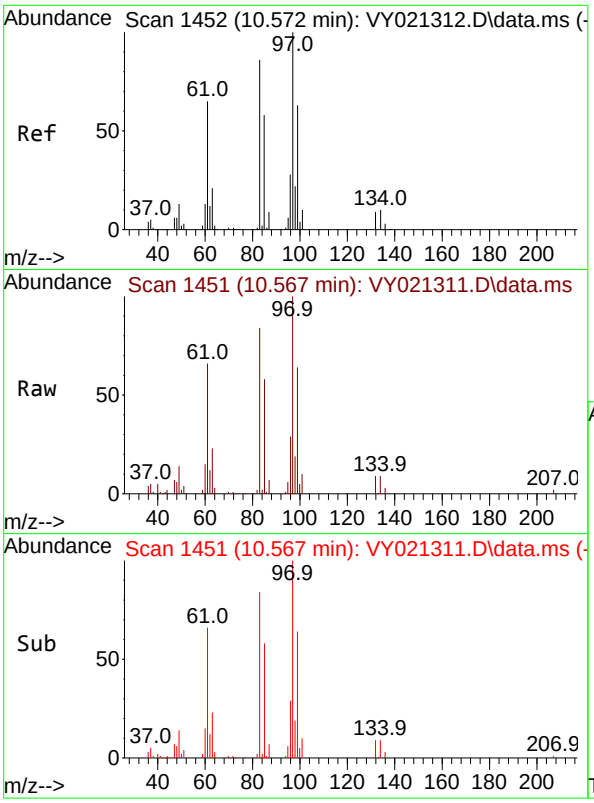


#54
cis-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 61967

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	52.0	41.8	62.6



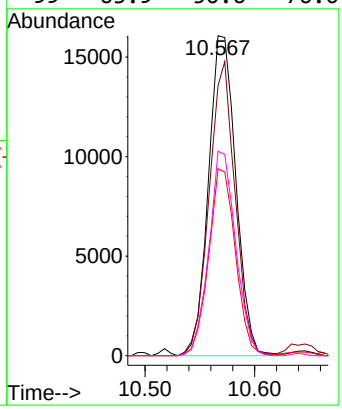


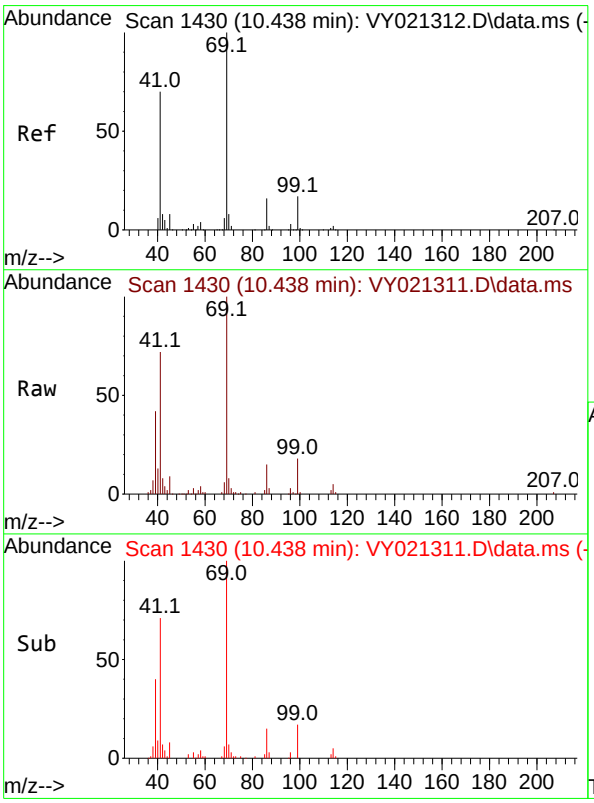
#55
1,1,2-Trichloroethane
Concen: 19.088 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 27942

Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.7	103.1
85	58.4	46.3	69.5
99	63.9	50.6	76.0

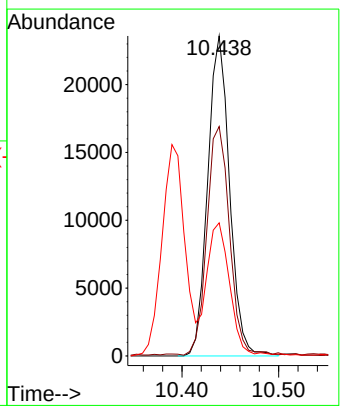


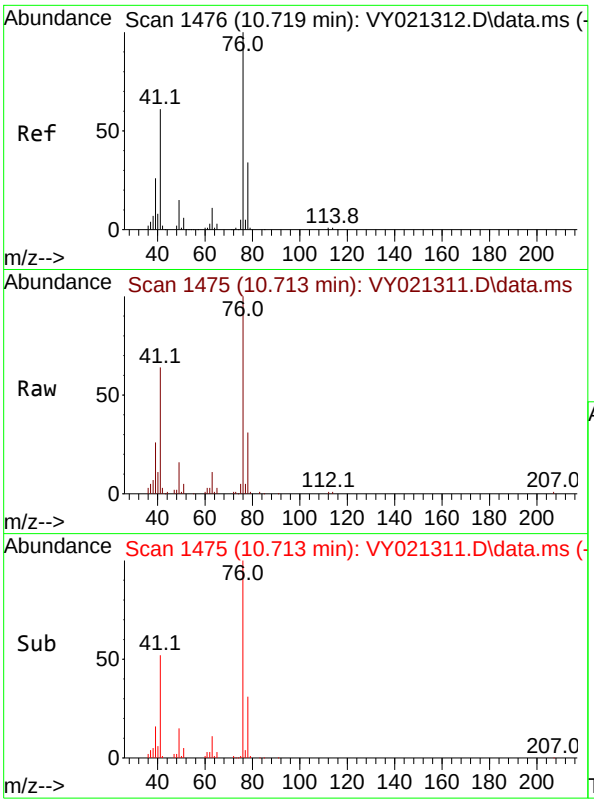


#56
Ethyl methacrylate
Concen: 18.291 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 69 Resp: 36997

Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.2	84.4
39	43.9	32.7	49.1



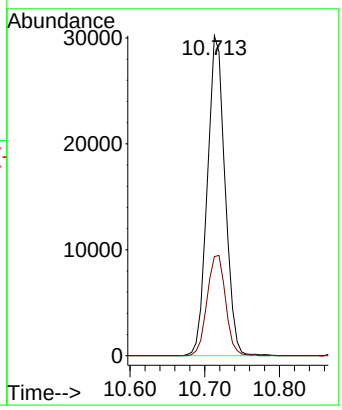


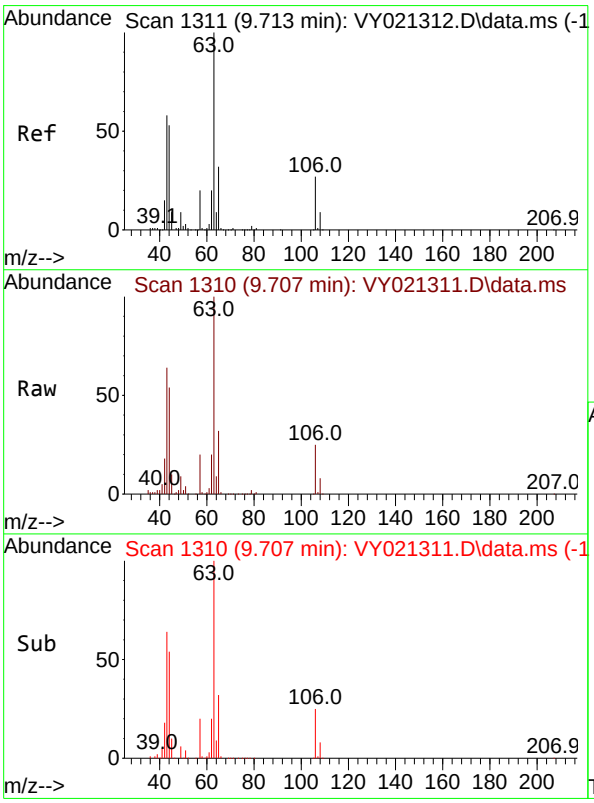
#57
1,3-Dichloropropane
Concen: 19.270 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 49499

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9

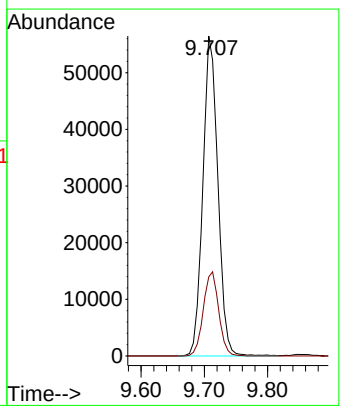


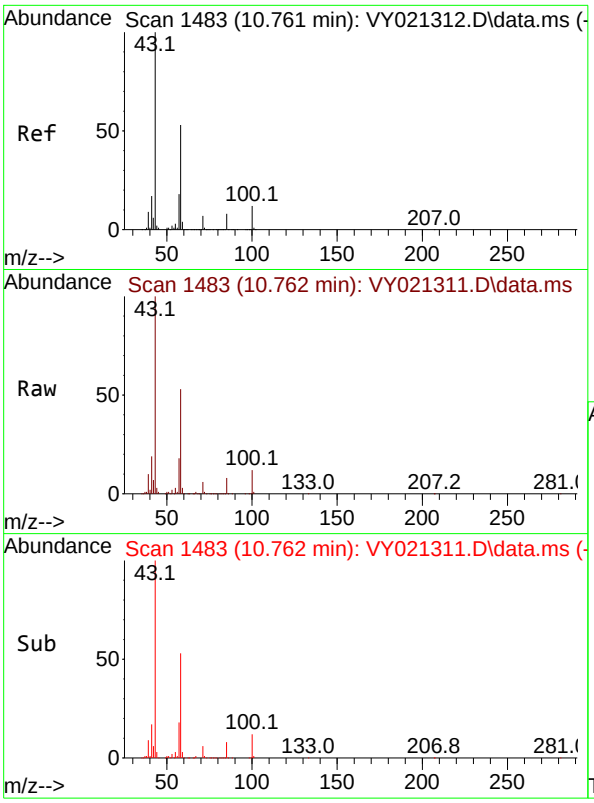


#58
2-Chloroethyl Vinyl ether
Concen: 96.179 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 93377

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5



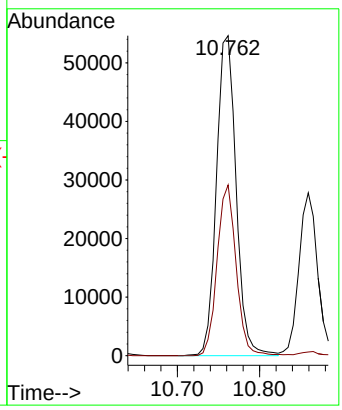


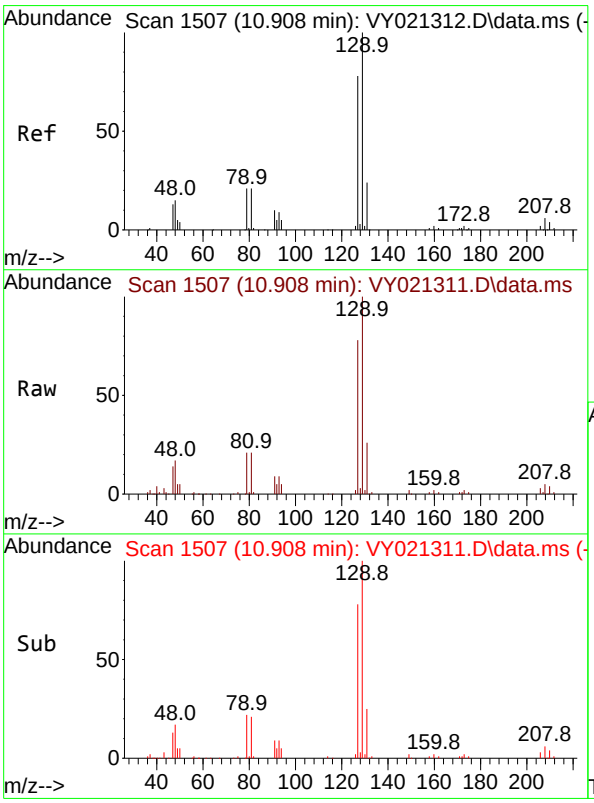
#59
2-Hexanone
Concen: 97.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 90882

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

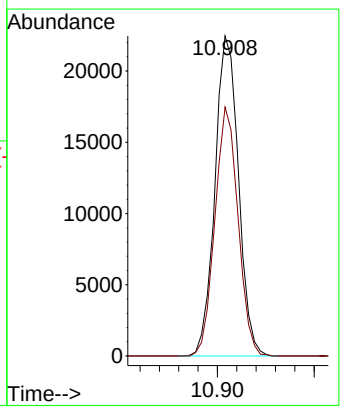


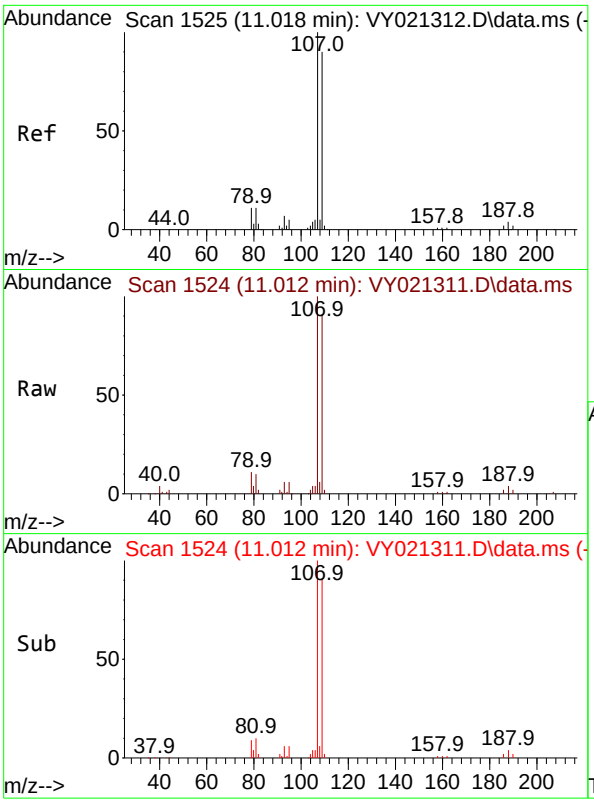


#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:129 Resp: 37808

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.8	116.4



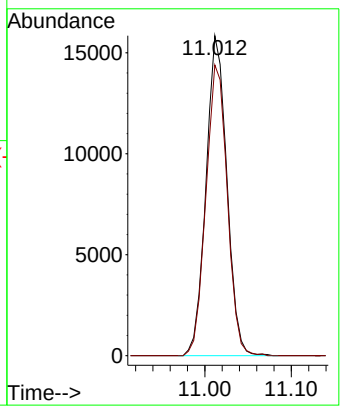


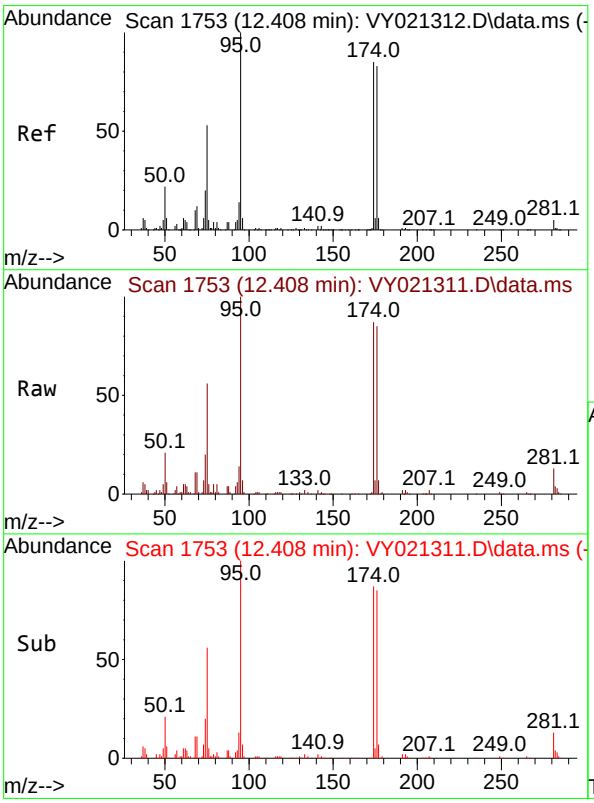
#61
1,2-Dibromoethane
Concen: 19.135 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26519

Ion	Ratio	Lower	Upper
107	100		
109	92.9	73.8	110.8

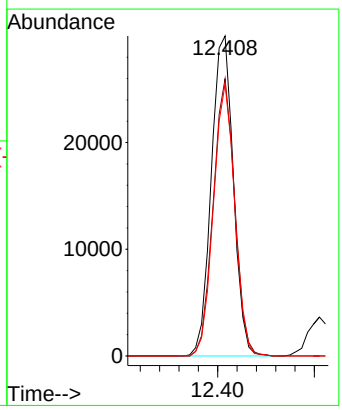


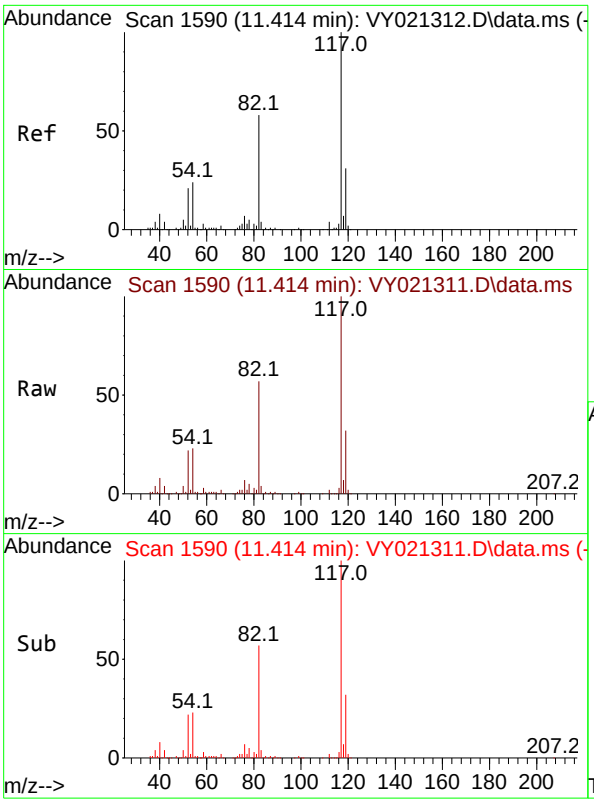


#62
4-Bromofluorobenzene
Concen: 18.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 95 Resp: 47417

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	168.0
176	82.0	0.0	162.6



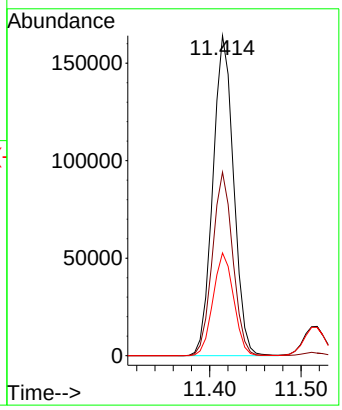


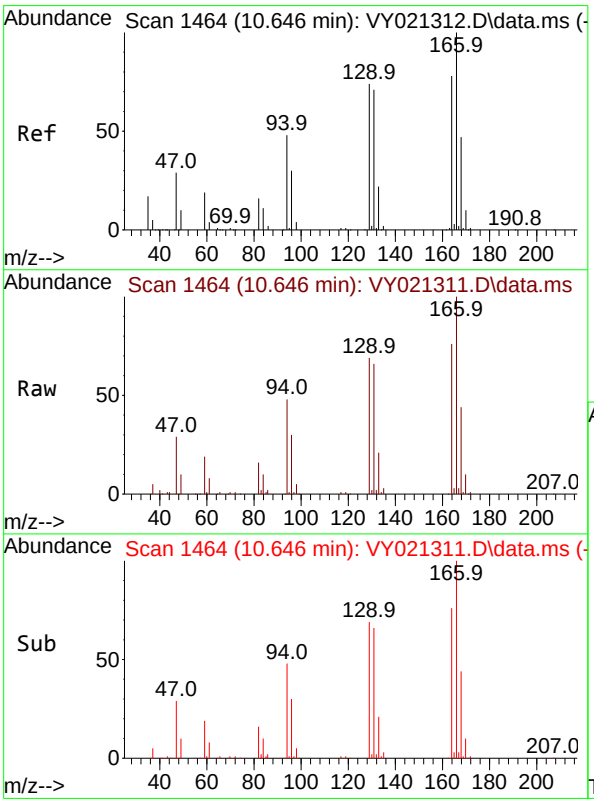
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 258896

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.2	69.4
119	32.1	24.9	37.3

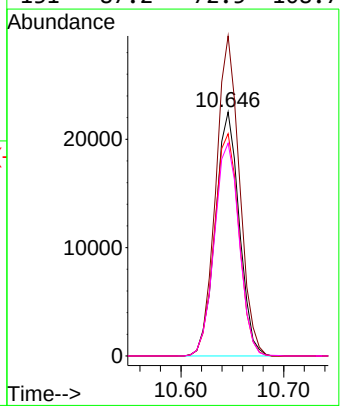


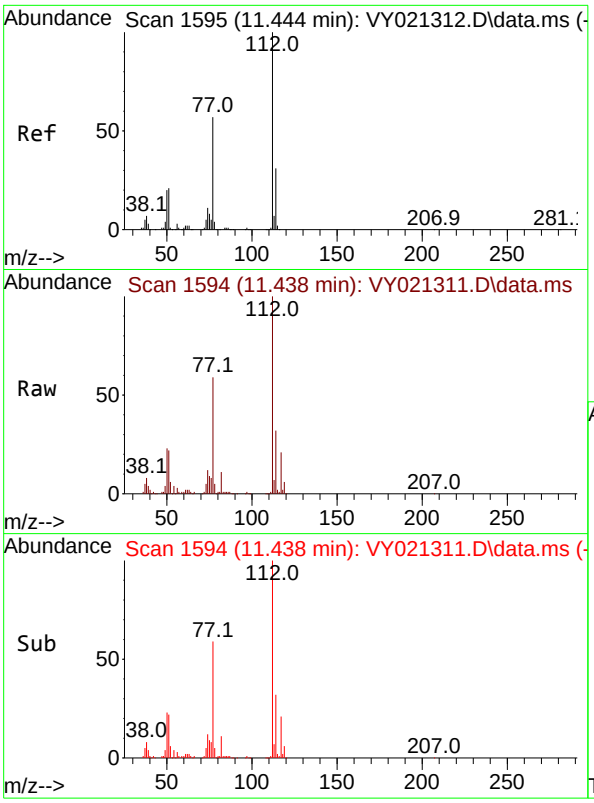


#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:164 Resp: 36387

Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	91.1	75.5	113.3
131	87.2	72.5	108.7



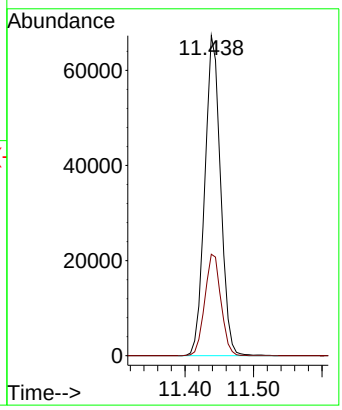


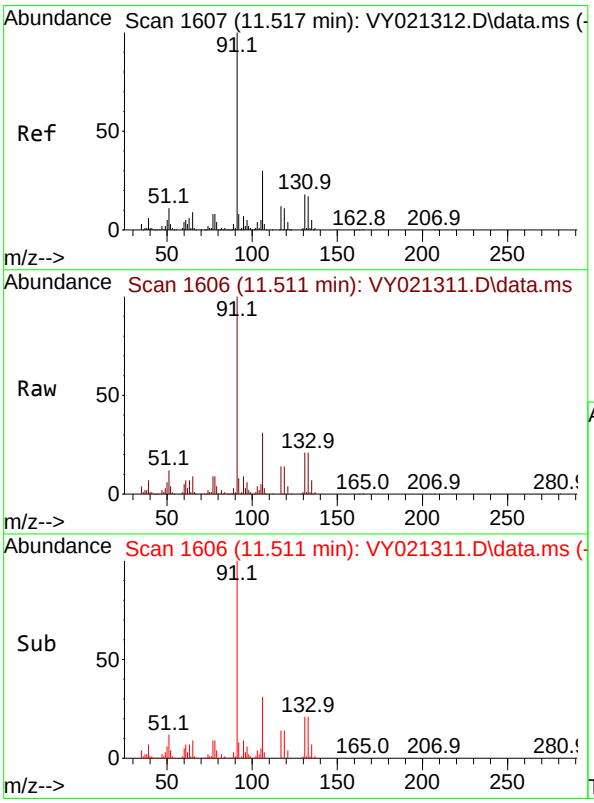
#65
Chlorobenzene
Concen: 18.519 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 107621

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.6

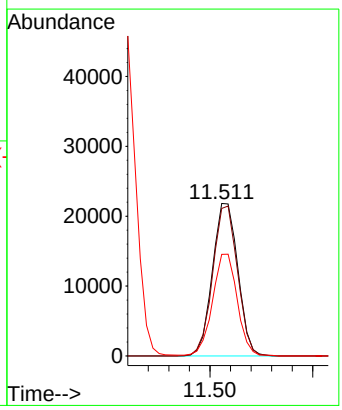


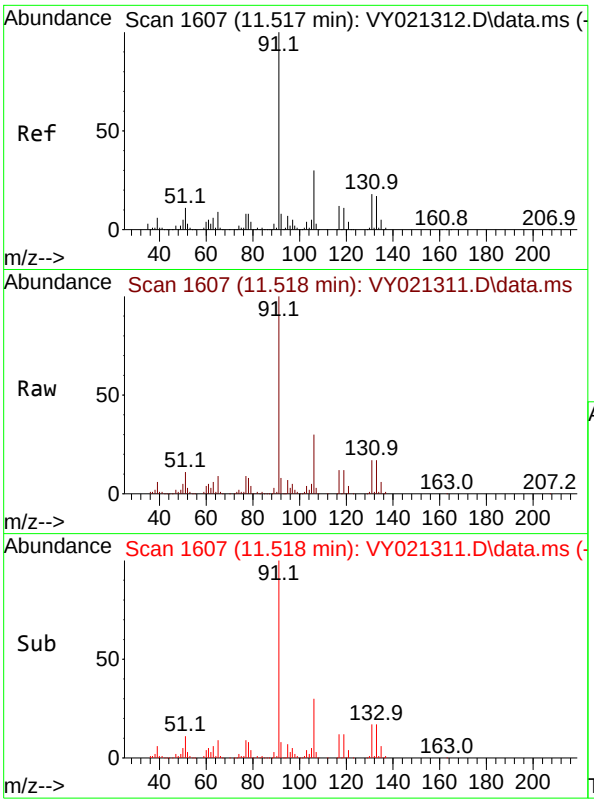


#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:131 Resp: 37487

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.6
119	65.1	31.7	95.1



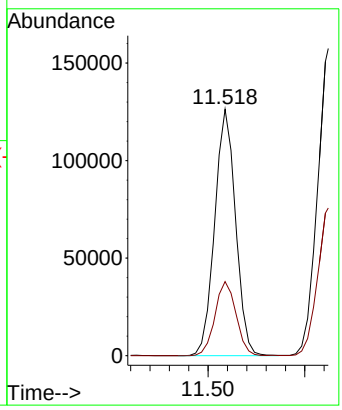


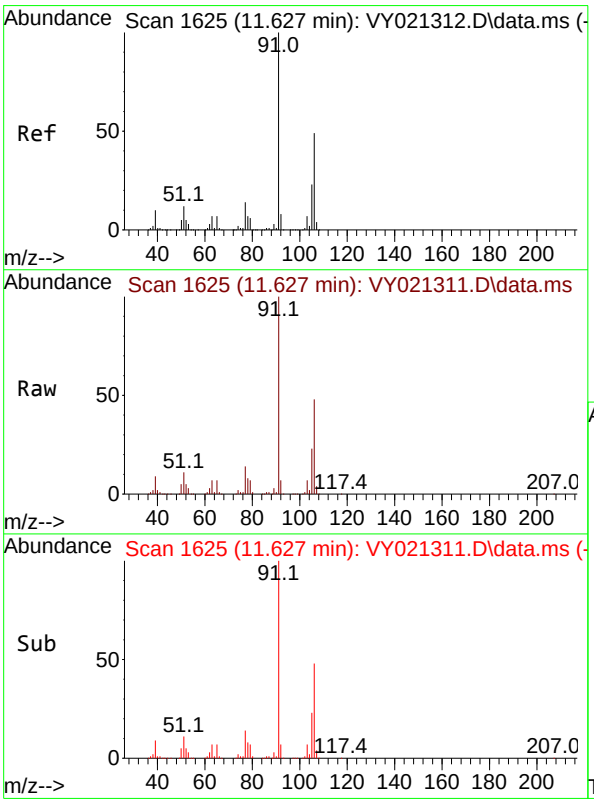
#67
Ethyl Benzene
Concen: 18.366 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 189052

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6

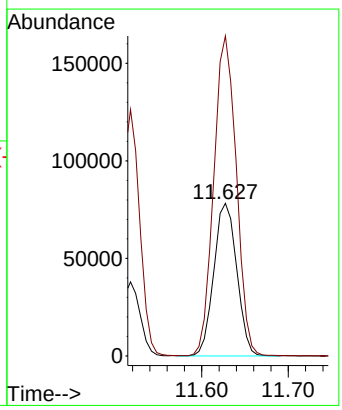


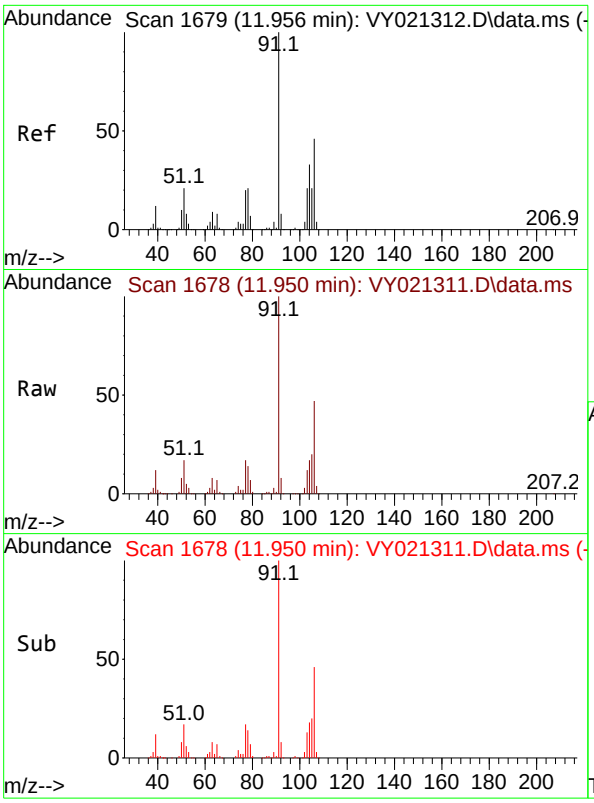


#68
m/p-Xylenes
Concen: 37.210 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 144073

Ion	Ratio	Lower	Upper
106	100		
91	205.9	163.9	245.9



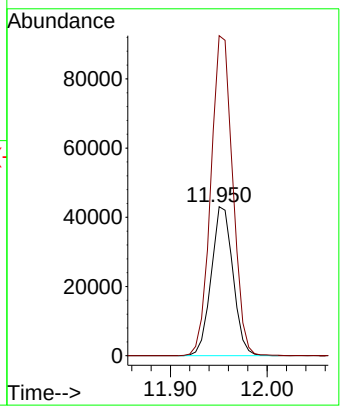


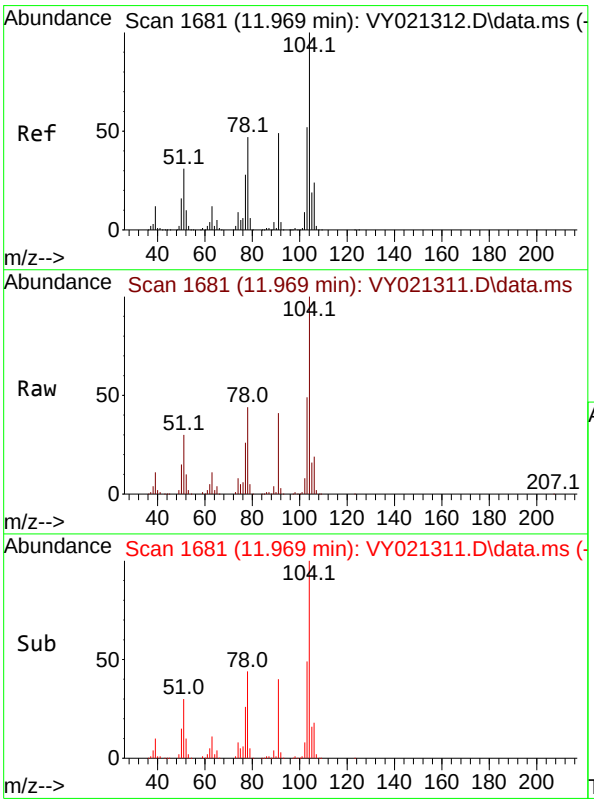
#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 67060

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.1	324.2

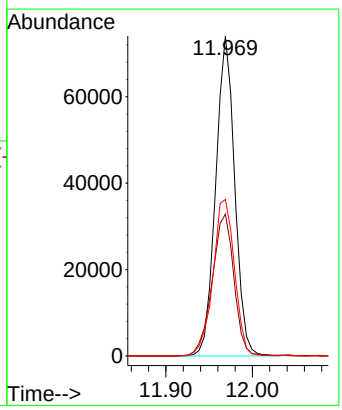


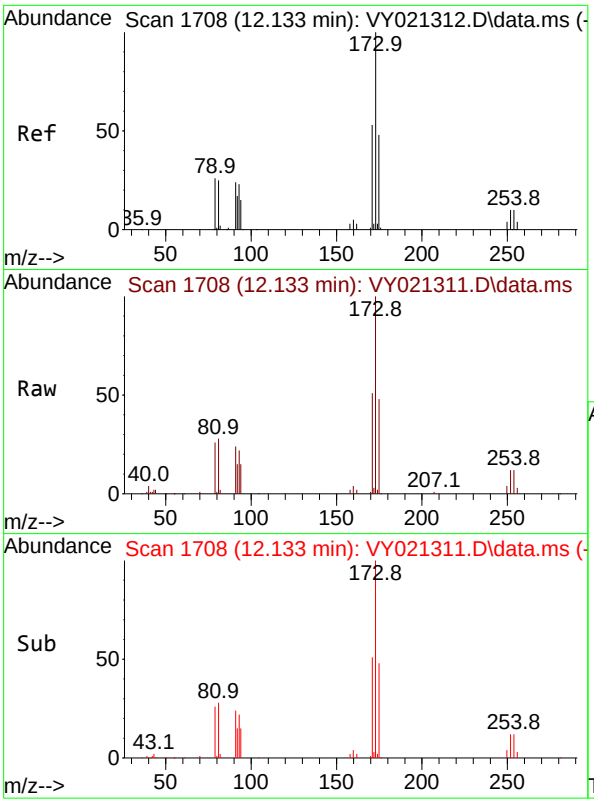


#70
Styrene
Concen: 18.729 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:104 Resp: 113033

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.3	61.9
103	55.5	43.9	65.9



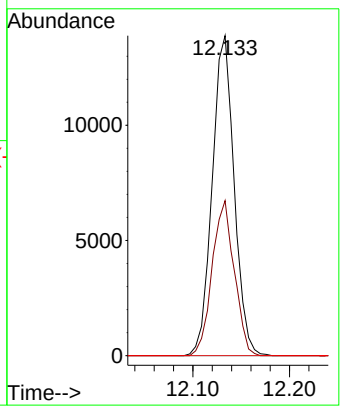


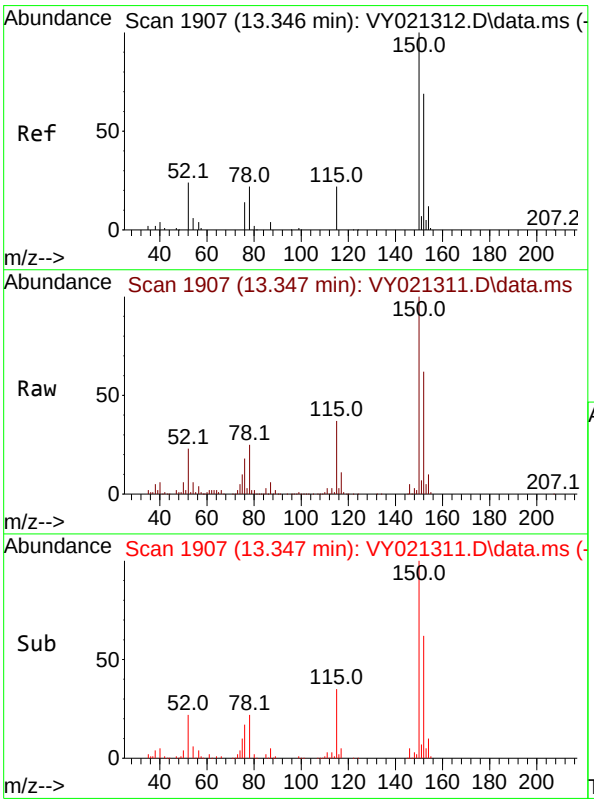
#71
Bromoform
Concen: 18.800 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 21886

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.1	0.1#

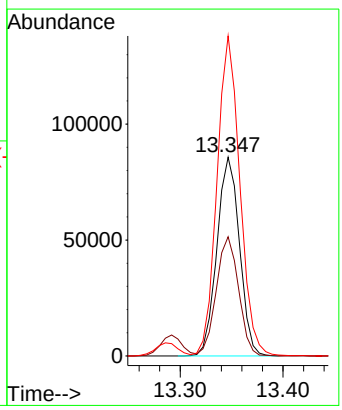


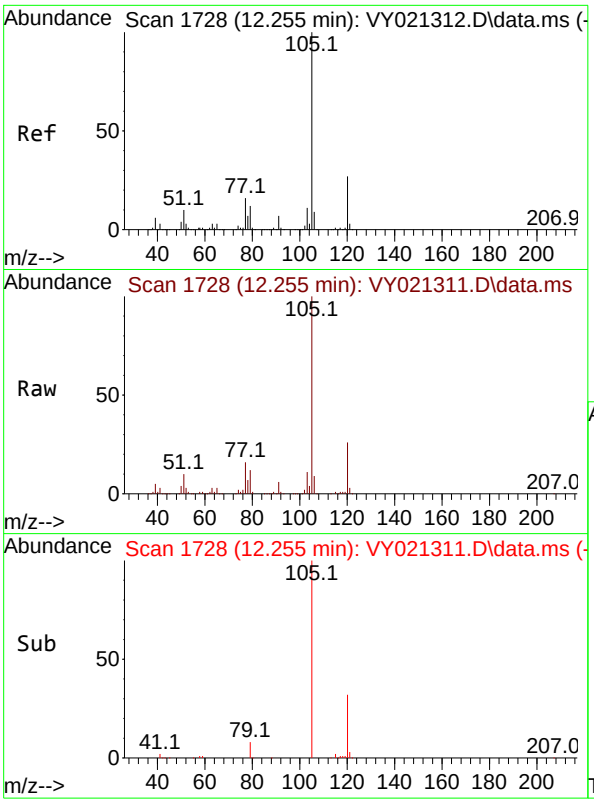


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 130546

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	163.4	0.0	347.4



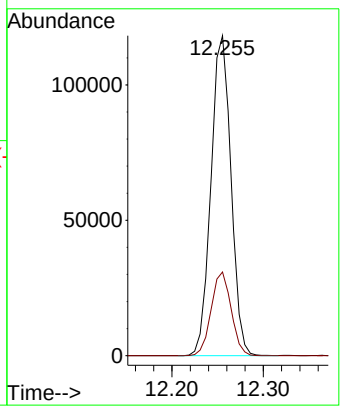


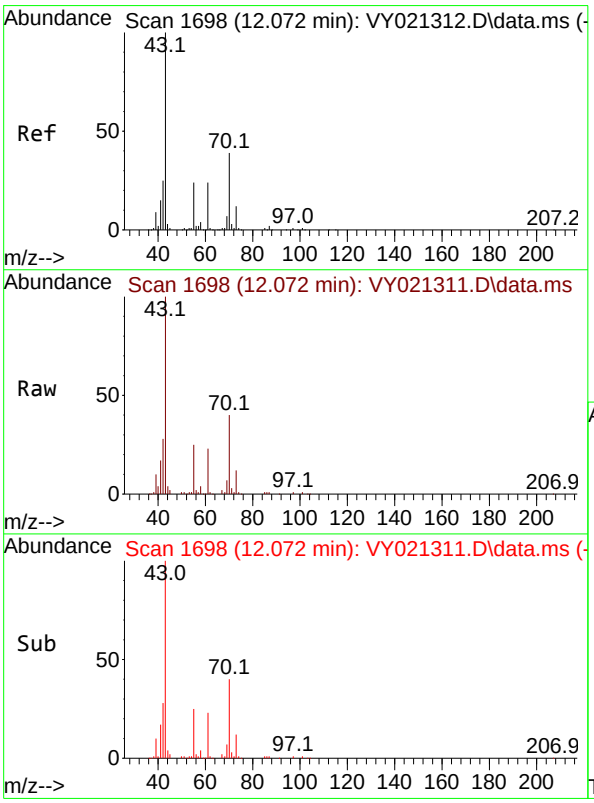
#73
Isopropylbenzene
Concen: 18.288 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 179489

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8

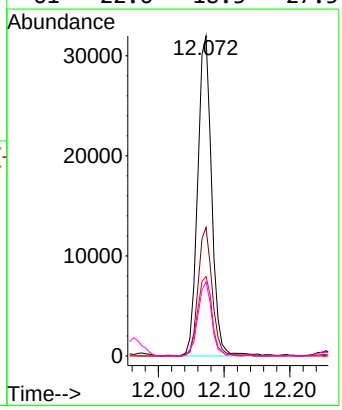


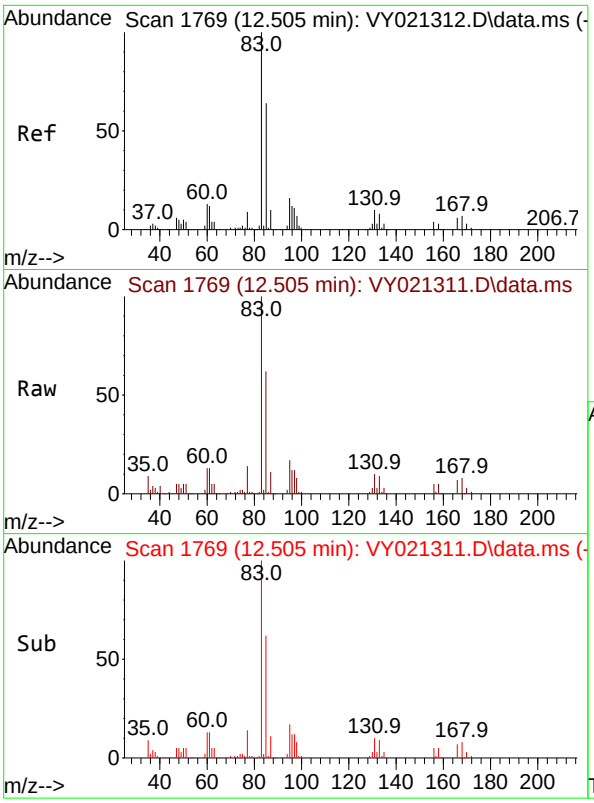


#74
N-amyl acetate
Concen: 18.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 47224

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.2	48.2
55	25.6	19.6	29.4
61	22.6	18.3	27.5



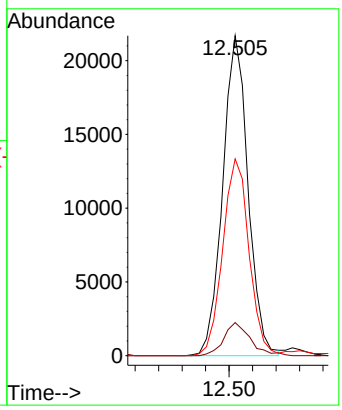


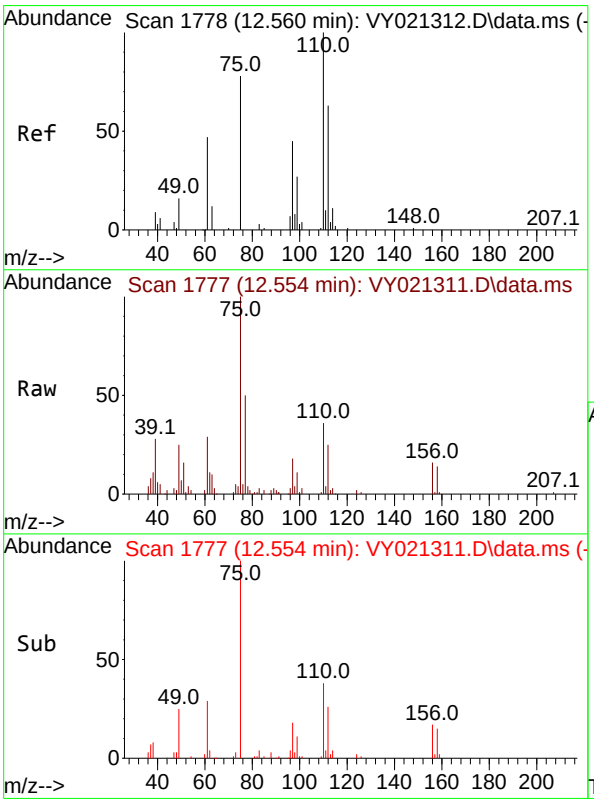
#75
1,1,2,2-Tetrachloroethane
Concen: 18.717 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 32419

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.8	32.0	96.0

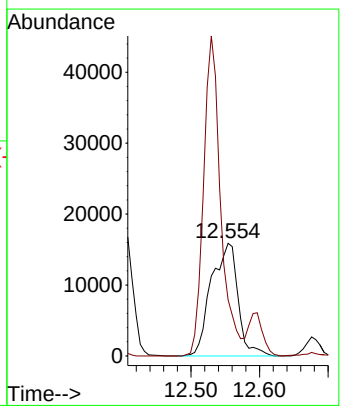


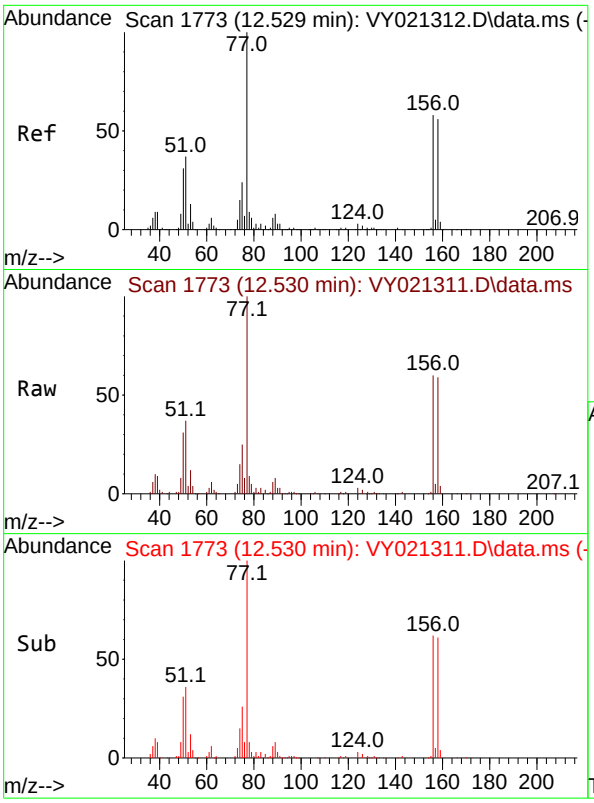


#76
1,2,3-Trichloropropane
Concen: 32.817 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 43143

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



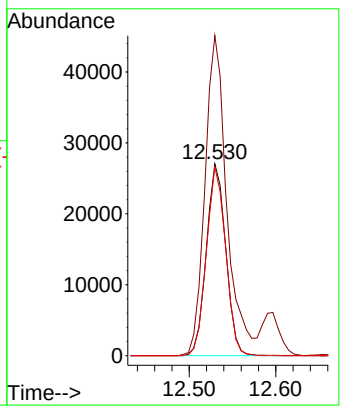


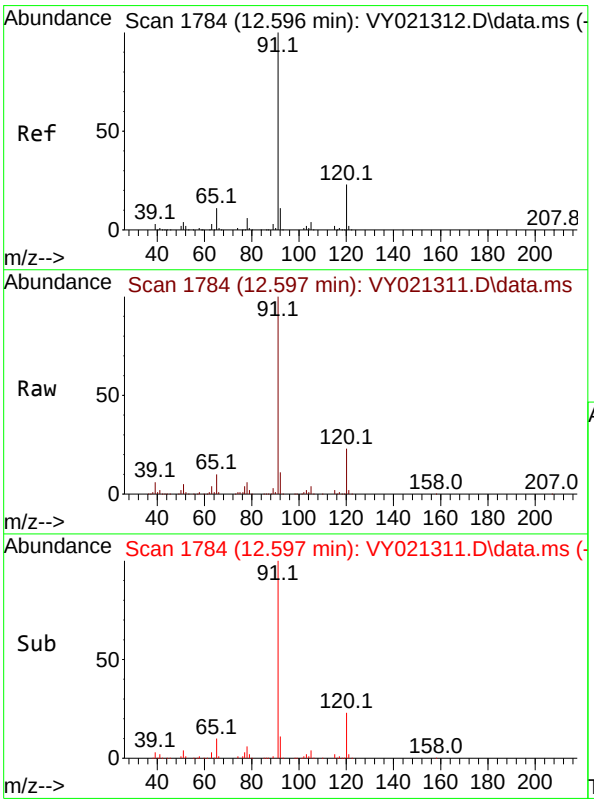
#77
Bromobenzene
Concen: 18.433 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 42078

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.9	48.7	146.1

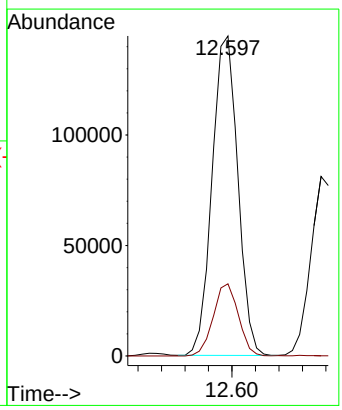


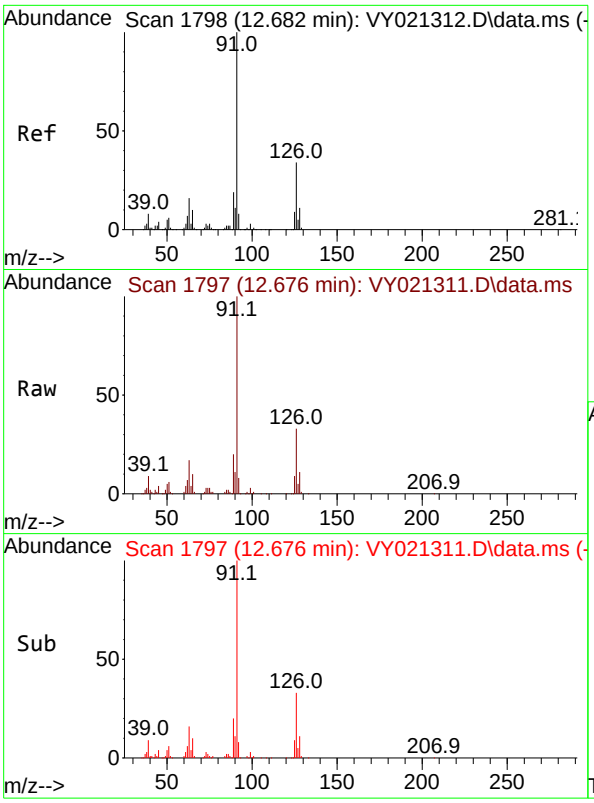


#78
n-propylbenzene
Concen: 18.486 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 220158

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5



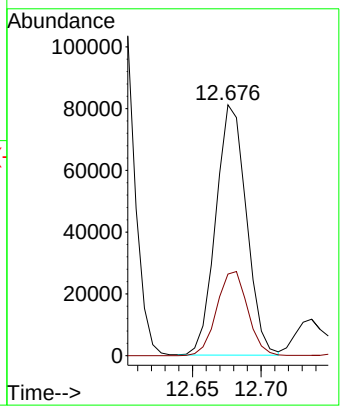


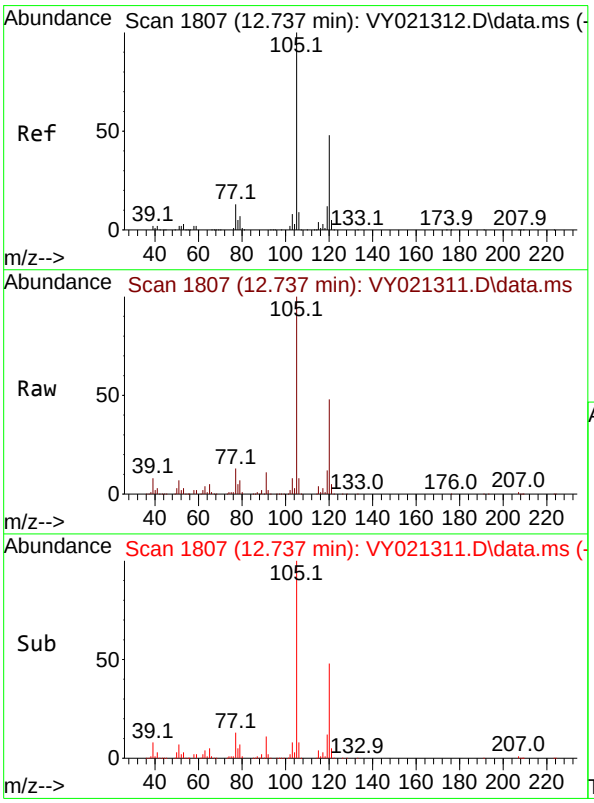
#79
2-Chlorotoluene
Concen: 18.430 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 125969

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6

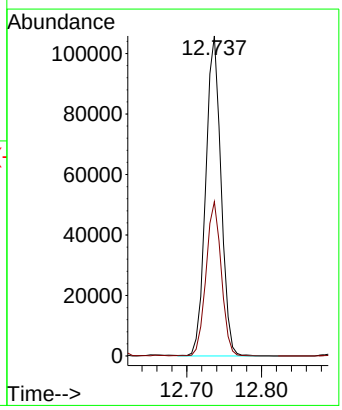


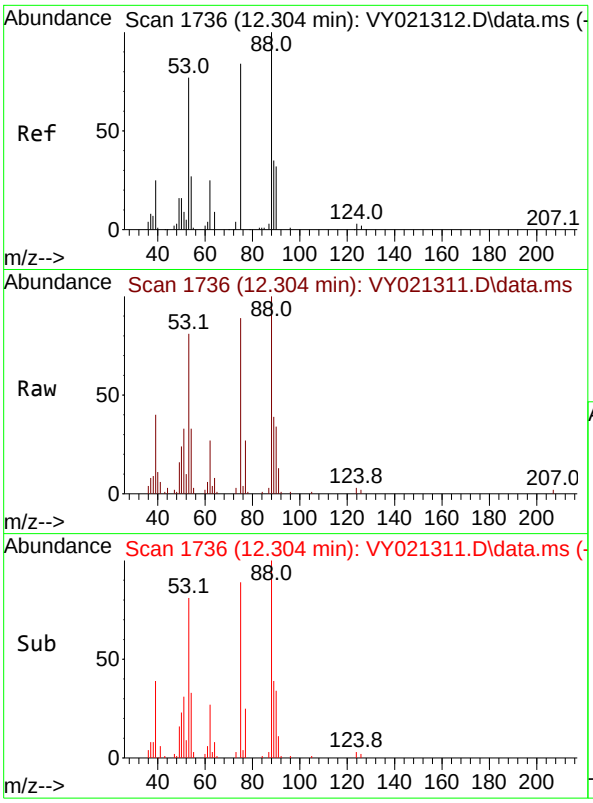


#80
1,3,5-Trimethylbenzene
Concen: 18.635 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 150004

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	73.0



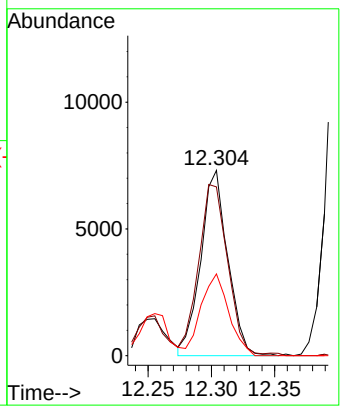


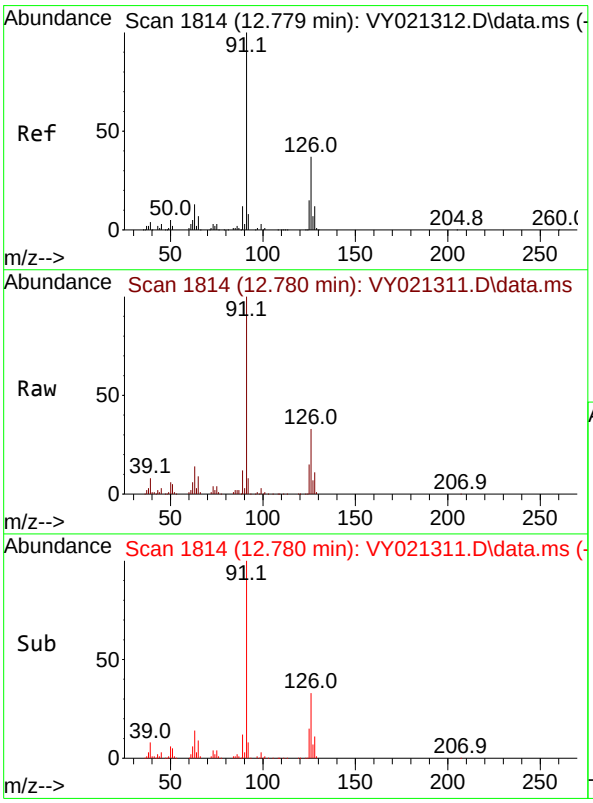
#81
trans-1,4-Dichloro-2-butene
Concen: 18.483 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 10866

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

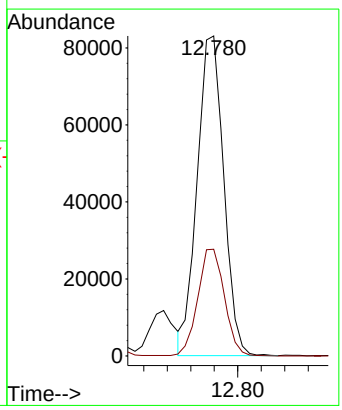


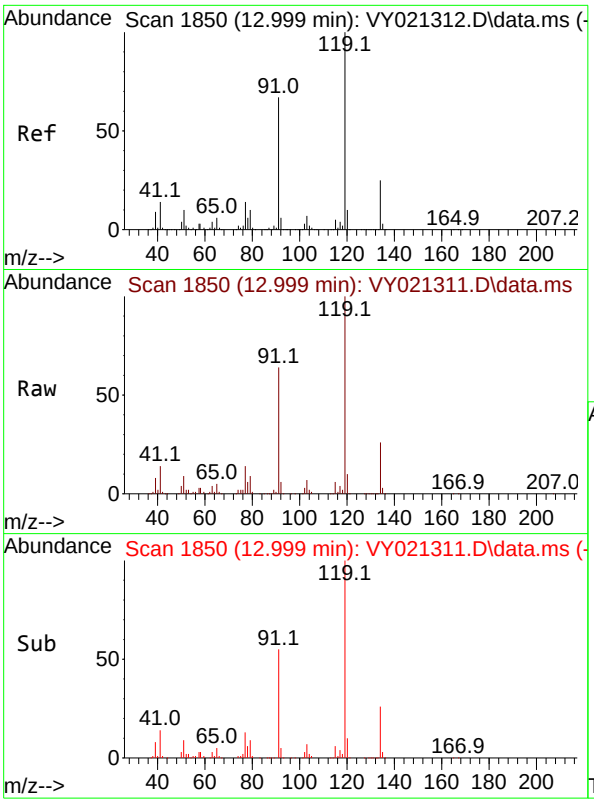


#82
4-Chlorotoluene
Concen: 18.396 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 130335

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



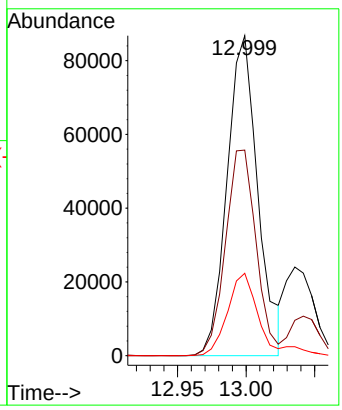


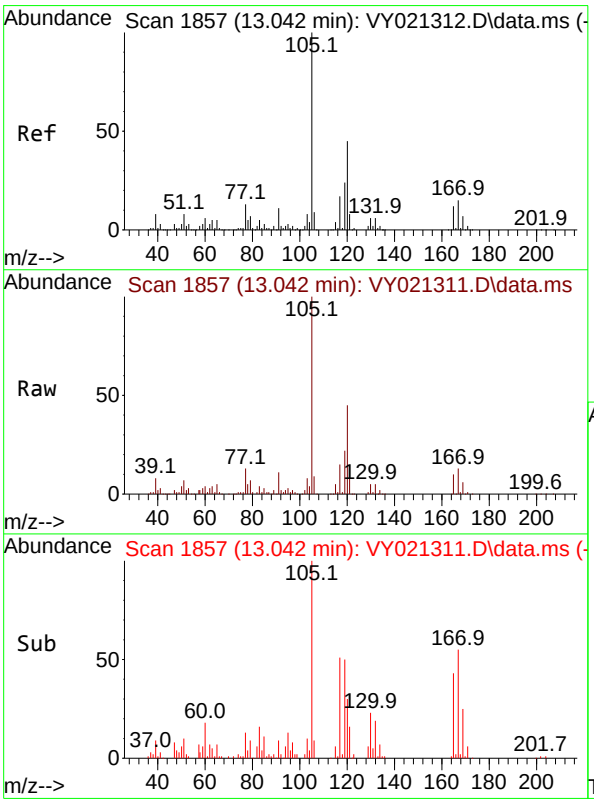
#83
tert-Butylbenzene
Concen: 18.681 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 135829

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.7	98.1
134	26.8	13.3	39.9

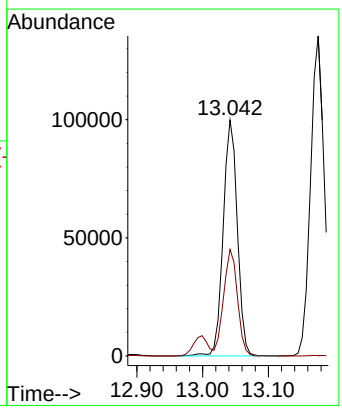


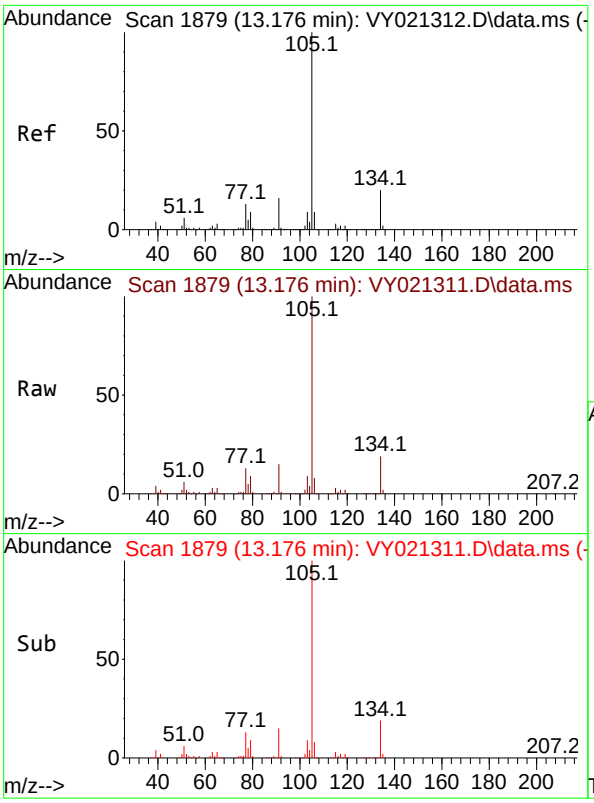


#84
1,2,4-Trimethylbenzene
Concen: 18.657 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 149358

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.3



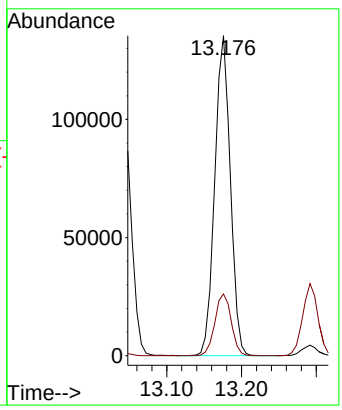


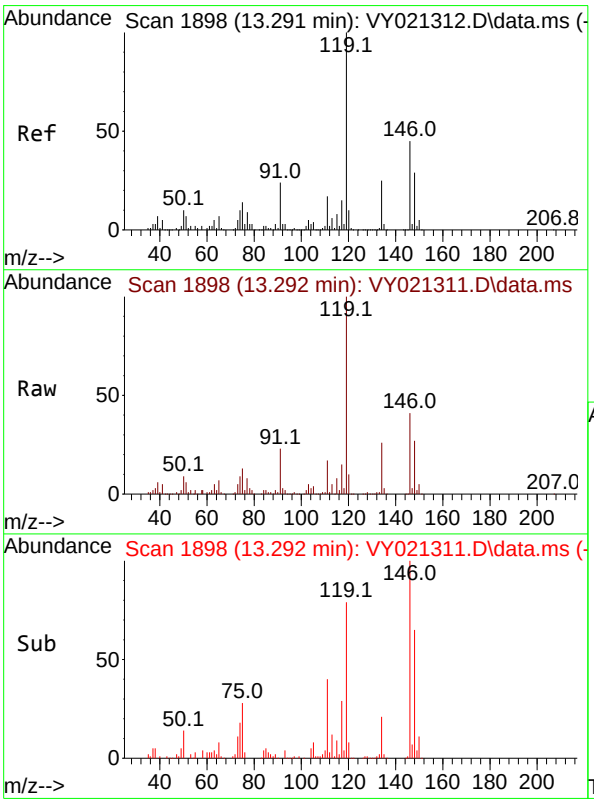
#85
sec-Butylbenzene
Concen: 18.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 196335

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

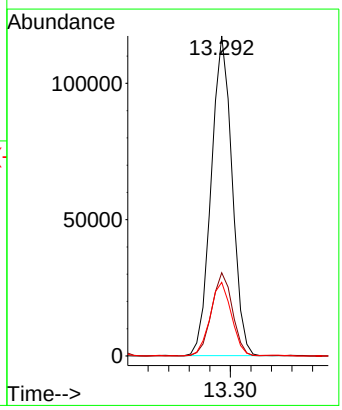


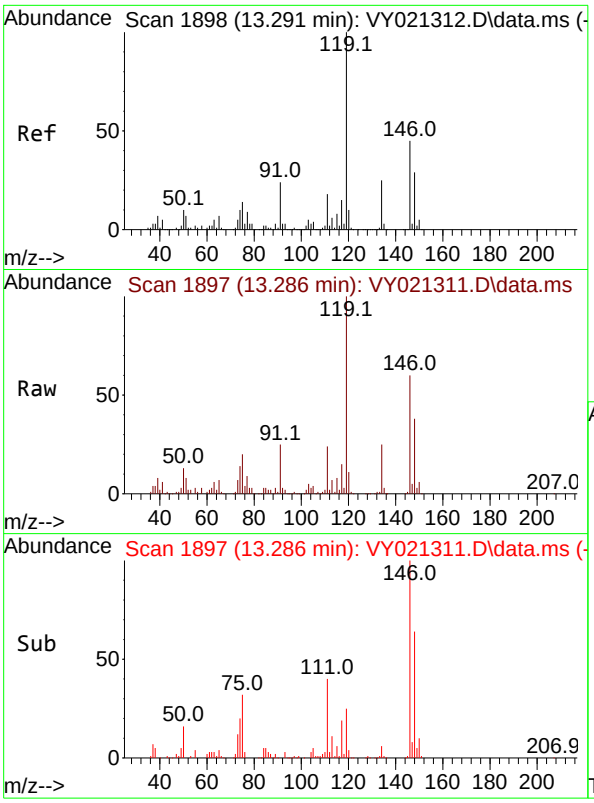


#86
p-Isopropyltoluene
Concen: 18.620 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 165127

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	38.9
91	23.5	12.0	36.1



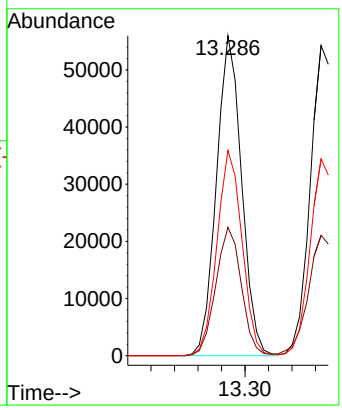


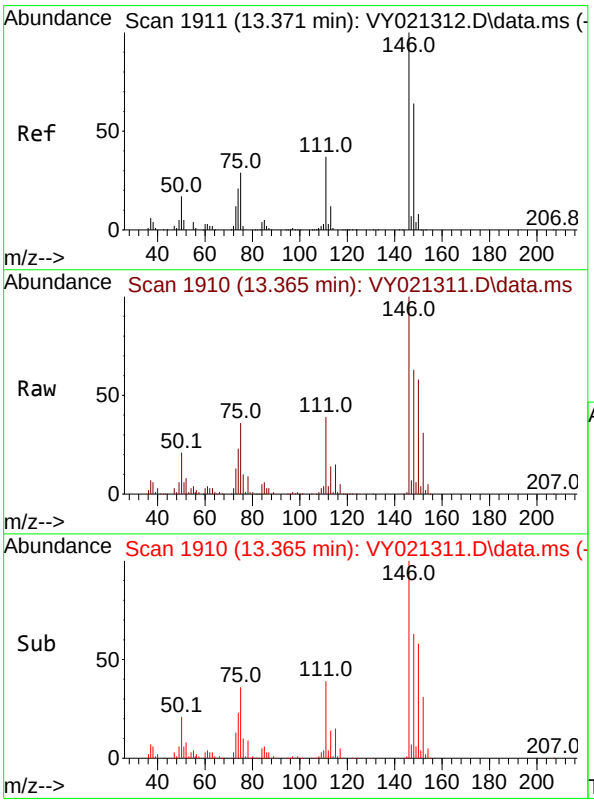
#87
1,3-Dichlorobenzene
Concen: 18.483 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 83463

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.0	31.9	95.9

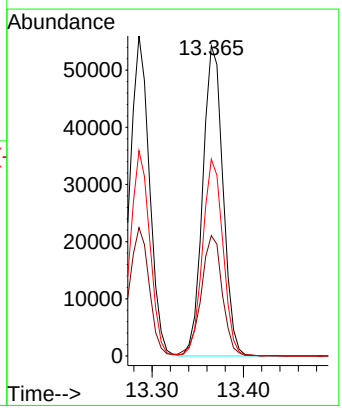


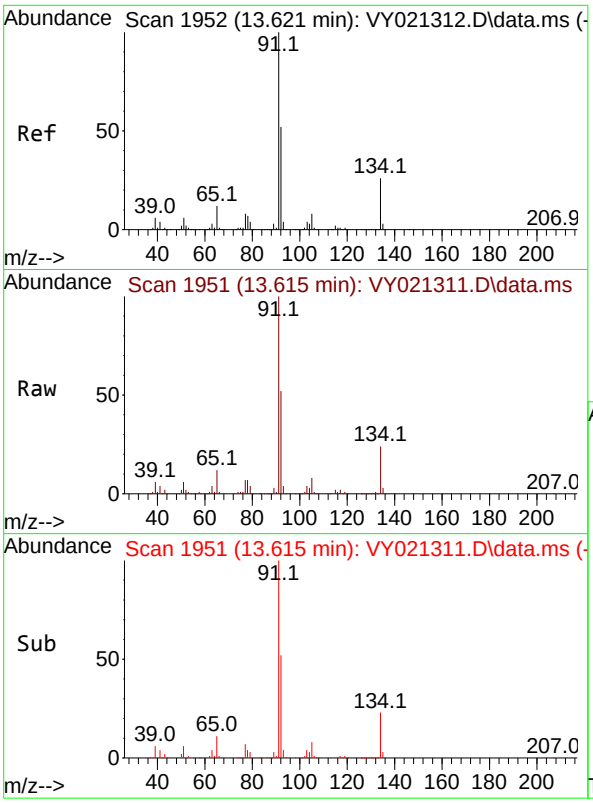


#88
1,4-Dichlorobenzene
Concen: 18.646 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 83179

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.5	58.5
148	63.9	32.0	96.2



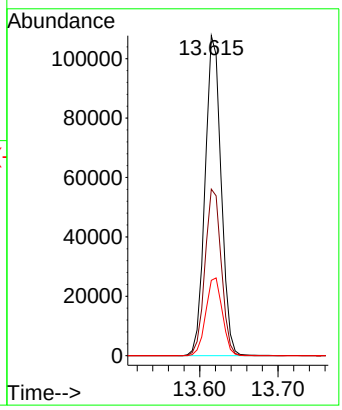


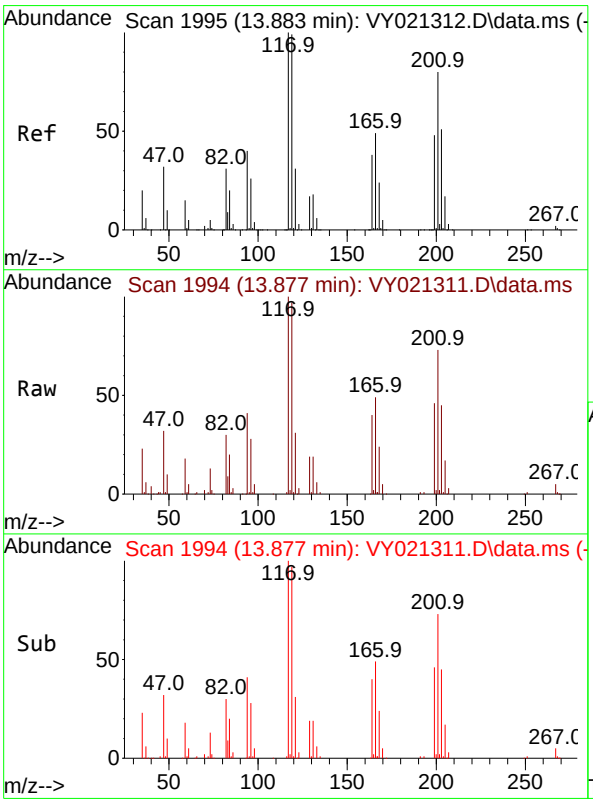
#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 153032

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.0	12.7	38.0

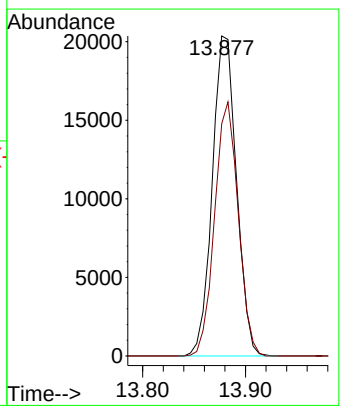


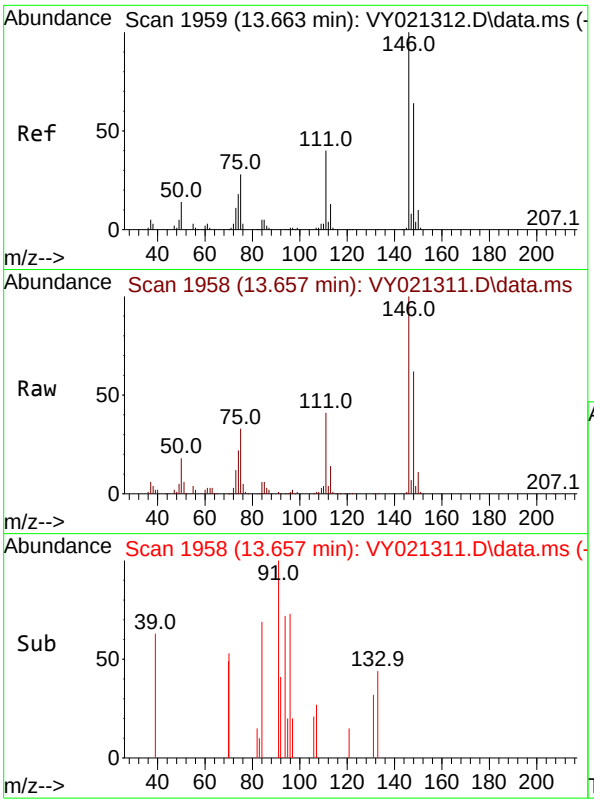


#90
Hexachloroethane
Concen: 17.998 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 33341

Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.4	115.2



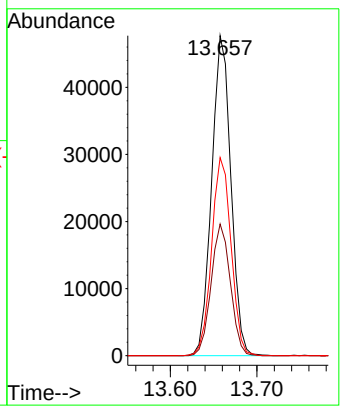


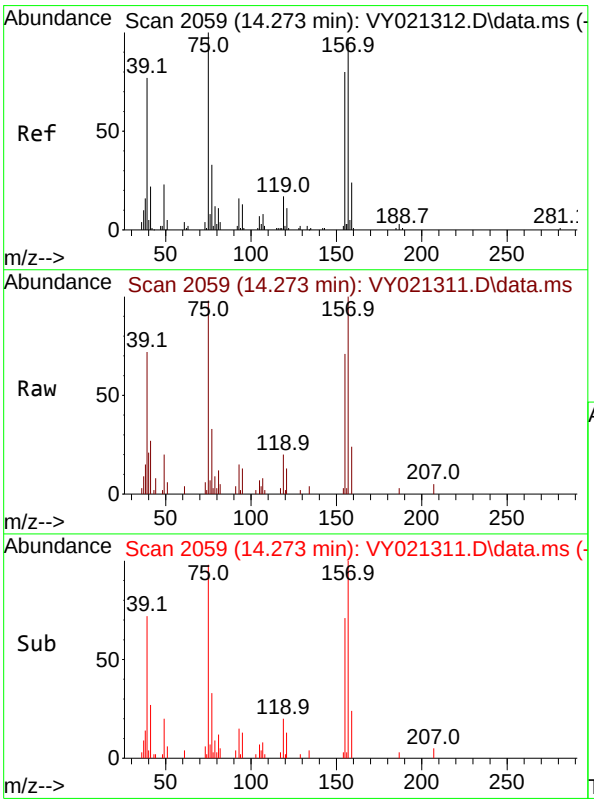
#91
1,2-Dichlorobenzene
Concen: 18.581 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 73513

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	62.8	31.7	95.1

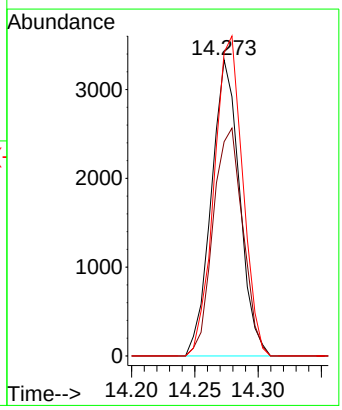


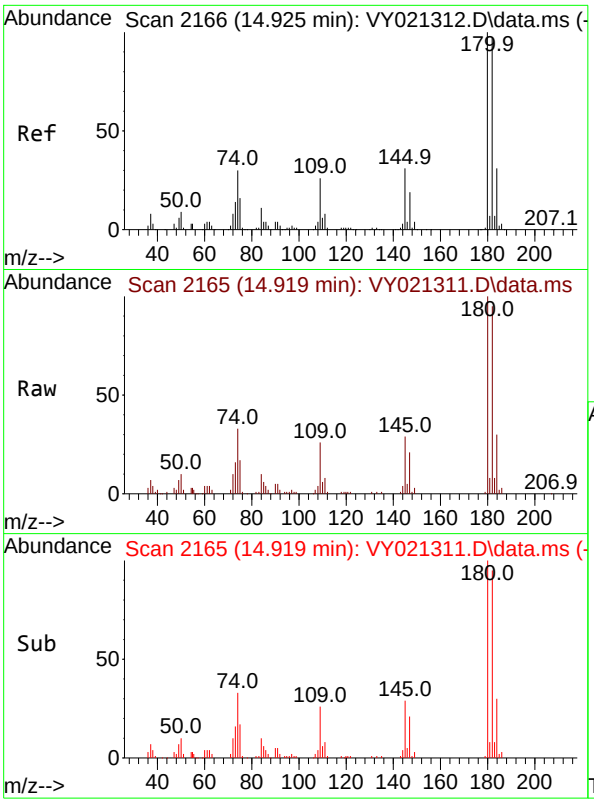


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.908 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5181

Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.9	125.6
157	109.0	52.5	157.6



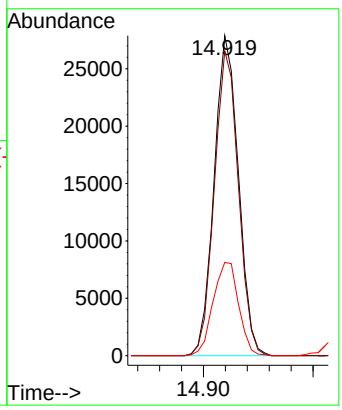


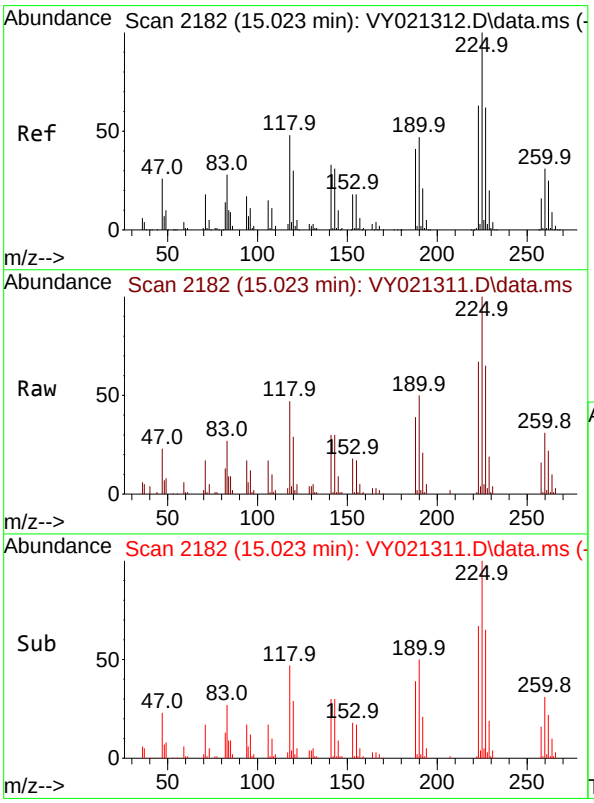
#93
1,2,4-Trichlorobenzene
Concen: 17.770 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 42908

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8

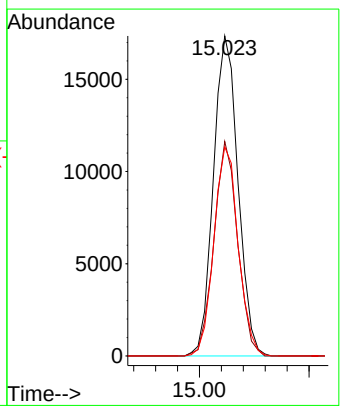


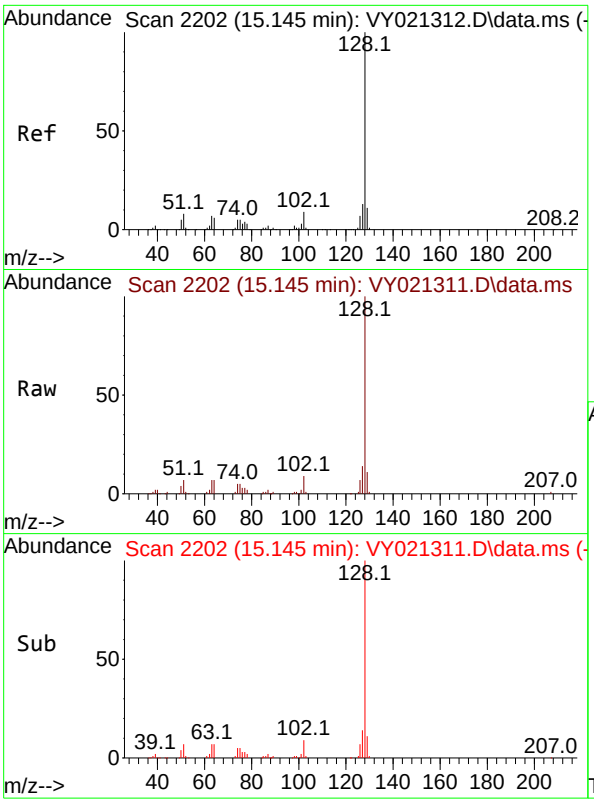


#94
Hexachlorobutadiene
Concen: 17.771 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:225 Resp: 27015

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.4
227	64.7	31.9	95.7



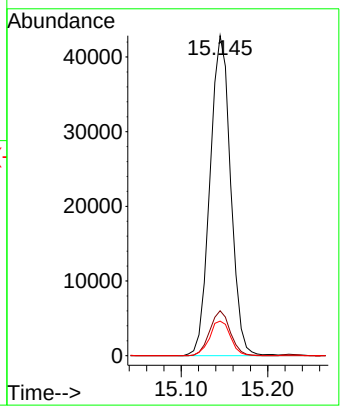


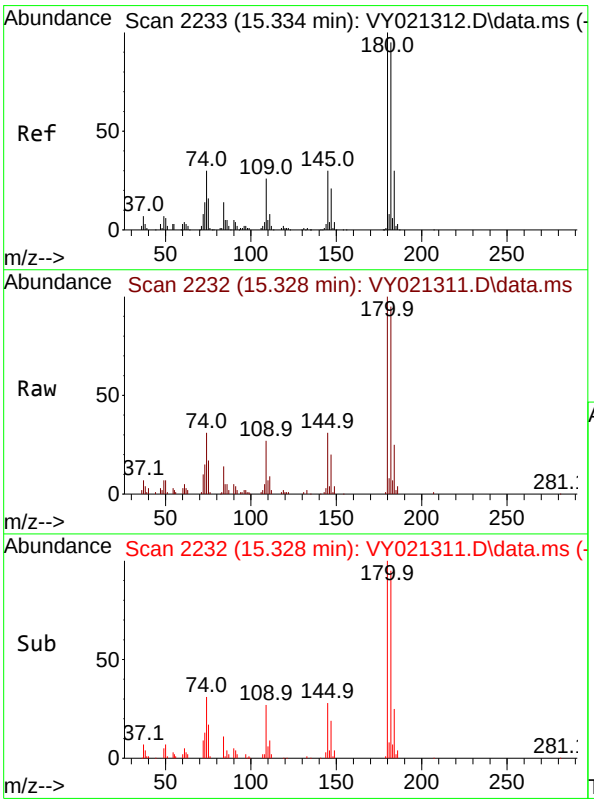
#95
Naphthalene
Concen: 17.763 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 71044

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.9	8.5	12.7

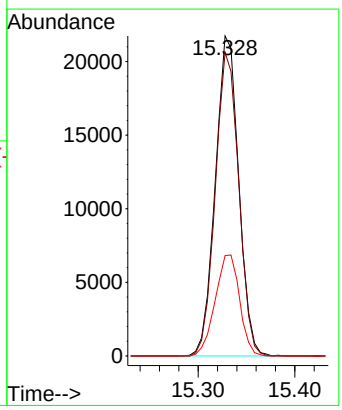




#96
1,2,3-Trichlorobenzene
Concen: 17.871 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 36460

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	32.9	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	175365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	272563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	239724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96694	48.606	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.220%			
35) Dibromofluoromethane	7.634	113	88513	49.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.060%			
50) Toluene-d8	10.103	98	340929	49.367	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.408	95	115401	49.652	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86387	51.957	ug/l	100
3) Chloromethane	2.068	50	105626	49.191	ug/l	100
4) Vinyl Chloride	2.202	62	109961	52.173	ug/l	100
5) Bromomethane	2.592	94	67780	48.395	ug/l	100
6) Chloroethane	2.732	64	68323	52.276	ug/l	100
7) Trichlorofluoromethane	3.056	101	164215	51.592	ug/l	100
8) Diethyl Ether	3.452	74	50185	52.532	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	94197	51.116	ug/l	100
10) Methyl Iodide	4.007	142	111673	57.600	ug/l	100
11) Tert butyl alcohol	4.854	59	35300	230.691	ug/l	100
12) 1,1-Dichloroethene	3.787	96	90388	51.226	ug/l	100
13) Acrolein	3.647	56	5860	49.975	ug/l	100
14) Allyl chloride	4.385	41	162419	51.918	ug/l	100
15) Acrylonitrile	5.055	53	111677	264.397	ug/l	100
16) Acetone	3.866	43	111923	293.294	ug/l	100
17) Carbon Disulfide	4.104	76	304042	51.892	ug/l	100
18) Methyl Acetate	4.385	43	48368	51.864	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	247280	53.043	ug/l	100
20) Methylene Chloride	4.610	84	102592	49.716	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	100568	51.774	ug/l	100
22) Diisopropyl ether	6.012	45	343920	53.126	ug/l	100
23) Vinyl Acetate	5.957	43	1041767	269.294	ug/l	100
24) 1,1-Dichloroethane	5.915	63	189943	52.057	ug/l	100
25) 2-Butanone	6.890	43	160248	278.240	ug/l	100
26) 2,2-Dichloropropane	6.884	77	170469	51.489	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	116627	52.579	ug/l	100
28) Bromochloromethane	7.244	49	79678	49.352	ug/l	100
29) Tetrahydrofuran	7.256	42	100417	266.741	ug/l	100
30) Chloroform	7.421	83	191980	51.925	ug/l	100
31) Cyclohexane	7.701	56	173460	49.456	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	172880	51.372	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140574	52.371	ug/l	100
37) Ethyl Acetate	6.982	43	70184	52.565	ug/l	100
38) Carbon Tetrachloride	7.817	117	158319	52.465	ug/l	100
39) Methylcyclohexane	9.109	83	180496	53.165	ug/l	100
40) Benzene	8.079	78	417798	52.655	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	39965	53.535	ug/l		100
42) 1,2-Dichloroethane	8.158	62	118176	52.494	ug/l		100
43) Isopropyl Acetate	8.195	43	139829	54.106	ug/l		100
44) Trichloroethene	8.865	130	104074	52.389	ug/l		100
45) 1,2-Dichloropropane	9.140	63	101166	52.980	ug/l		100
46) Dibromomethane	9.231	93	55365	53.043	ug/l		100
47) Bromodichloromethane	9.420	83	147382	52.957	ug/l		100
48) Methyl methacrylate	9.219	41	67406	55.775	ug/l		100
49) 1,4-Dioxane	9.231	88	12193	1050.591	ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	364446	275.485	ug/l		100
52) Toluene	10.170	92	263062	53.367	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	140399	55.062	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	161021	53.492	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	72720	53.481	ug/l		100
56) Ethyl methacrylate	10.438	69	106914	56.904	ug/l		100
57) 1,3-Dichloropropane	10.719	76	127795	53.559	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	260718	289.104	ug/l		100
59) 2-Hexanone	10.761	43	249578	287.258	ug/l		100
60) Dibromochloromethane	10.908	129	100250	54.134	ug/l		100
61) 1,2-Dibromoethane	11.018	107	69236	53.783	ug/l		100
64) Tetrachloroethene	10.646	164	93317	51.501	ug/l		100
65) Chlorobenzene	11.444	112	281918	52.390	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	99131	52.611	ug/l		100
67) Ethyl Benzene	11.517	91	510639	53.573	ug/l		100
68) m/p-Xylenes	11.627	106	384346	107.204	ug/l		100
69) o-Xylene	11.956	106	181728	54.108	ug/l		100
70) Styrene	11.969	104	306007	54.760	ug/l		100
71) Bromoform	12.133	173	58860	54.605	ug/l		100
73) Isopropylbenzene	12.255	105	483937	52.885	ug/l		100
74) N-amyl acetate	12.072	43	129020	55.471	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	84893	52.566	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	112709	91.951	ug/l	#	100
77) Bromobenzene	12.529	156	110538	51.935	ug/l		100
78) n-propylbenzene	12.596	91	587915	52.946	ug/l		100
79) 2-Chlorotoluene	12.682	91	330472	51.857	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	395609	52.712	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	29649	54.090	ug/l		100
82) 4-Chlorotoluene	12.779	91	342611	51.864	ug/l		100
83) tert-Butylbenzene	12.999	119	352055	51.930	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	395315	52.962	ug/l		100
85) sec-Butylbenzene	13.176	105	518094	52.319	ug/l		100
86) p-Isopropyltoluene	13.291	119	437283	52.884	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	218136	51.811	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	213090	51.233	ug/l		100
89) n-Butylbenzene	13.621	91	416377	53.510	ug/l		100
90) Hexachloroethane	13.883	117	87765	50.814	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	191758	51.985	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13782	53.947	ug/l		100
93) 1,2,4-Trichlorobenzene	14.925	180	117882	52.360	ug/l		100
94) Hexachlorobutadiene	15.023	225	71915	50.738	ug/l		100
95) Naphthalene	15.145	128	209478	56.174	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	100312	52.735	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

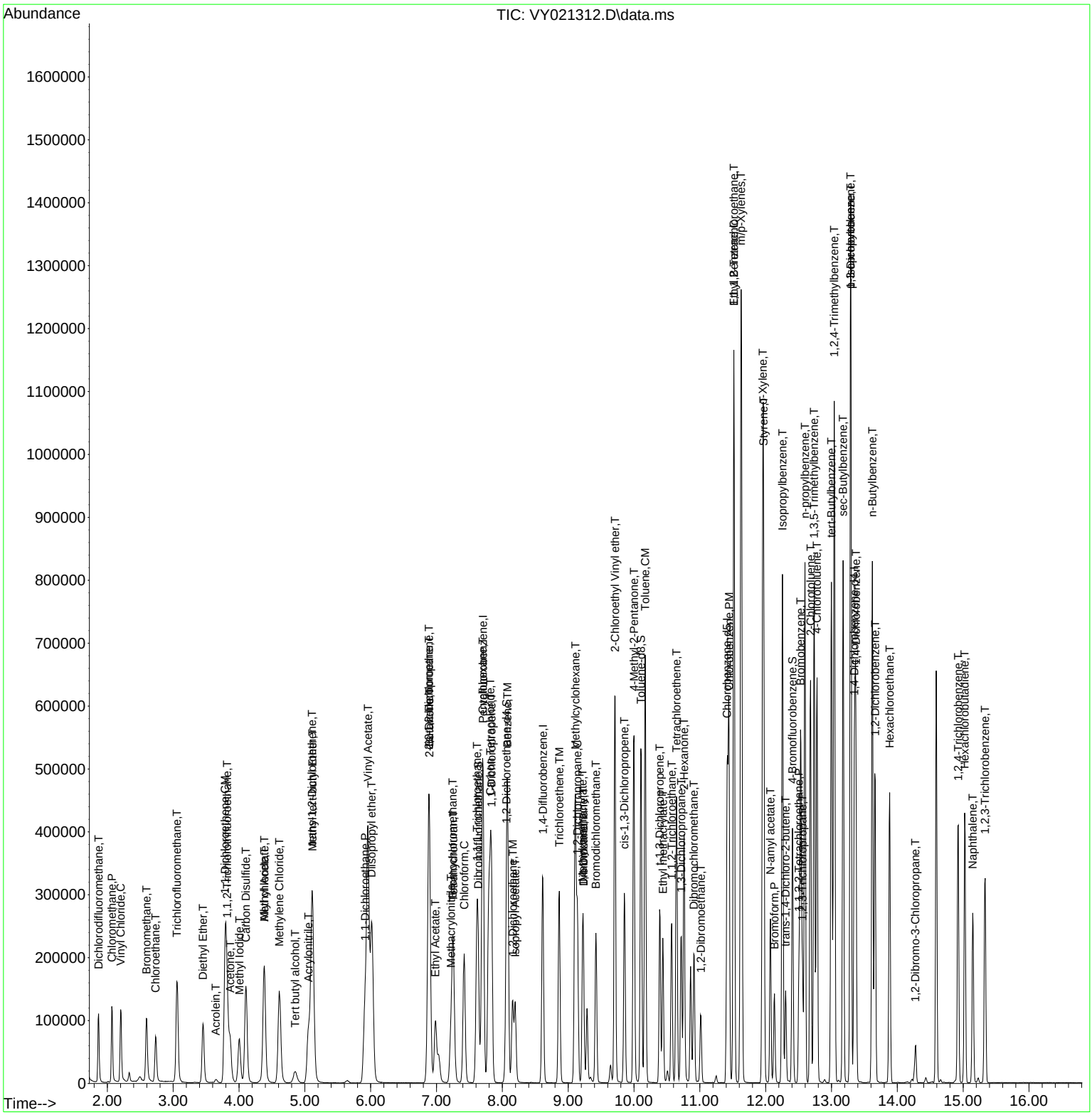
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

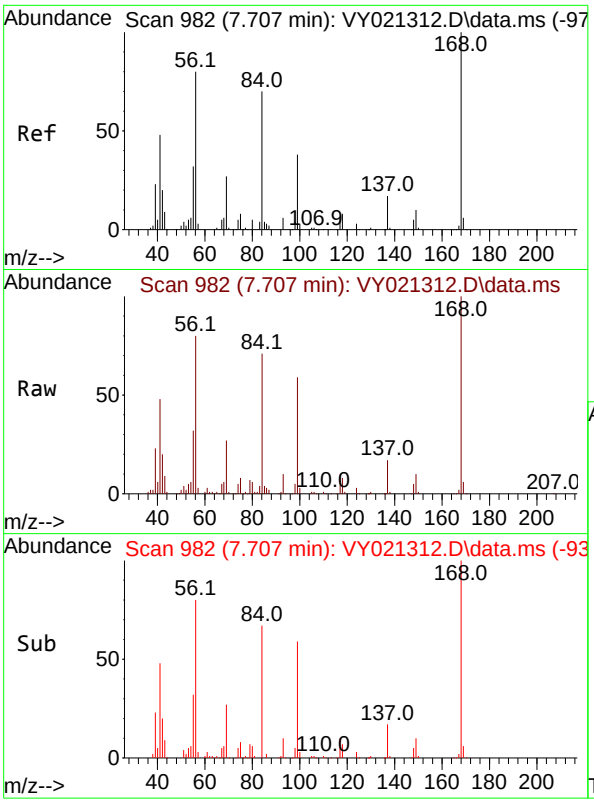
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



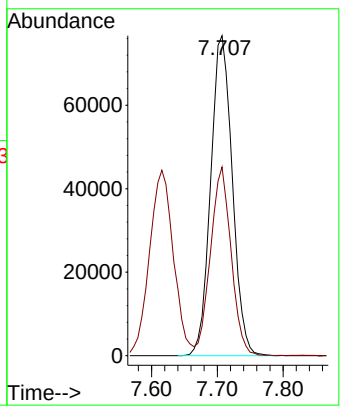


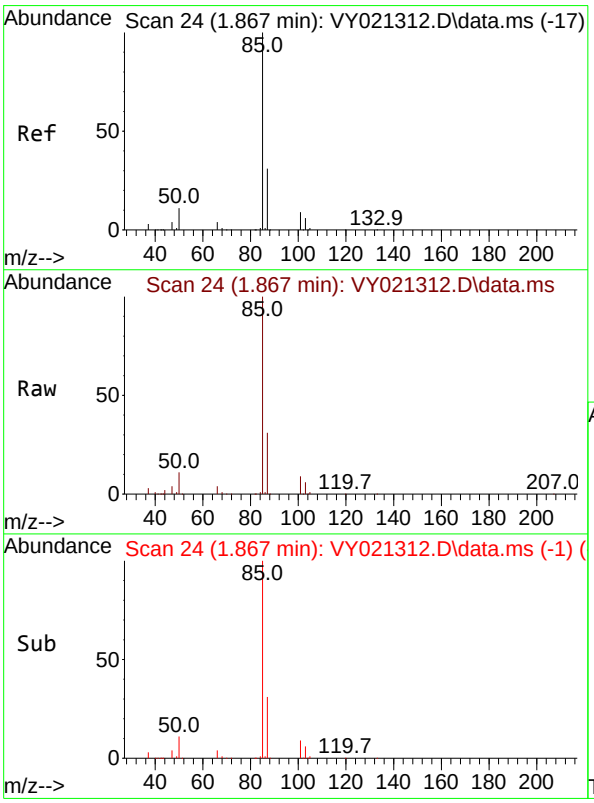
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 175365

Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.1	70.7

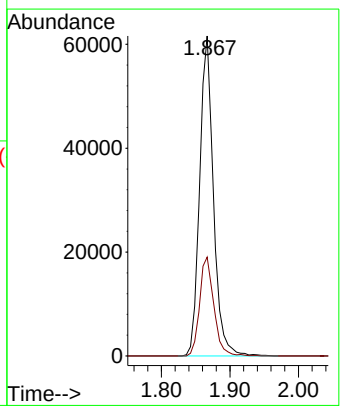


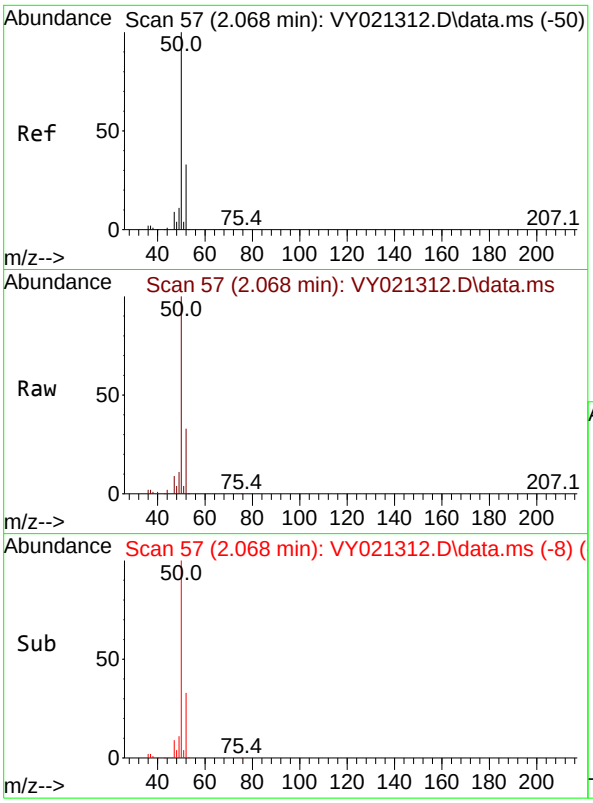


#2
Dichlorodifluoromethane
Concen: 51.957 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 85 Resp: 86387

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4



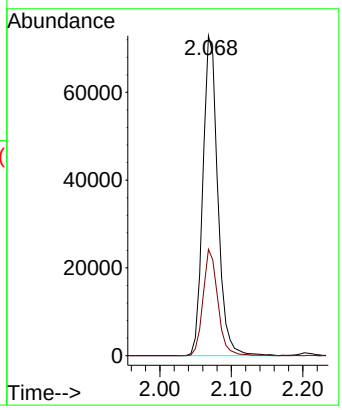


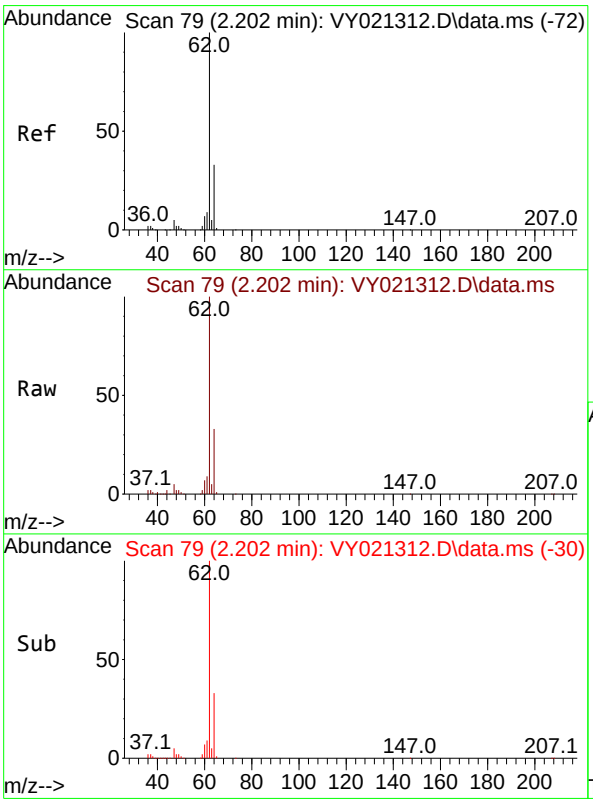
#3
Chloromethane
Concen: 49.191 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 105626

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0

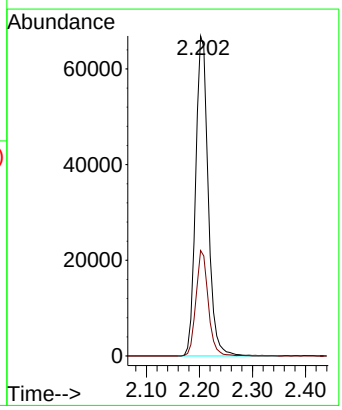


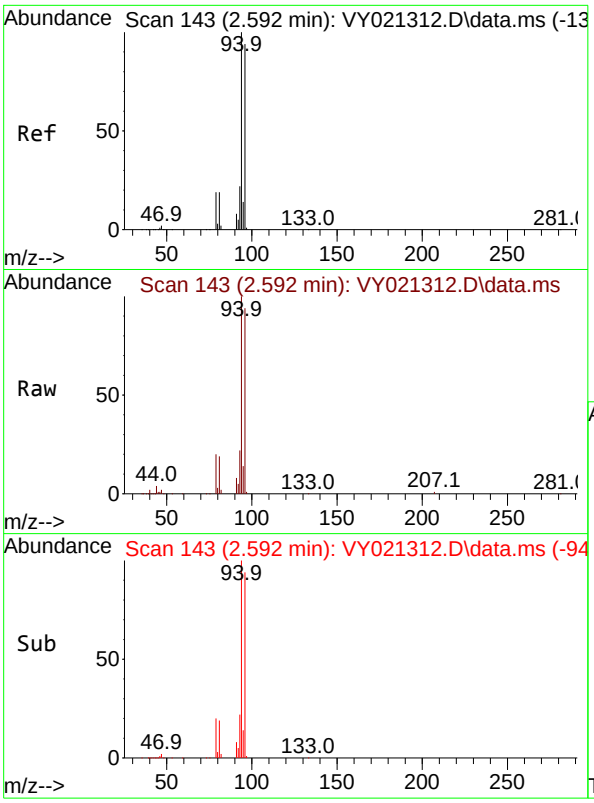


#4
Vinyl Chloride
Concen: 52.173 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 109961

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.3	39.5



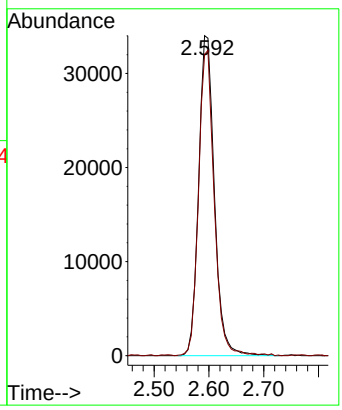


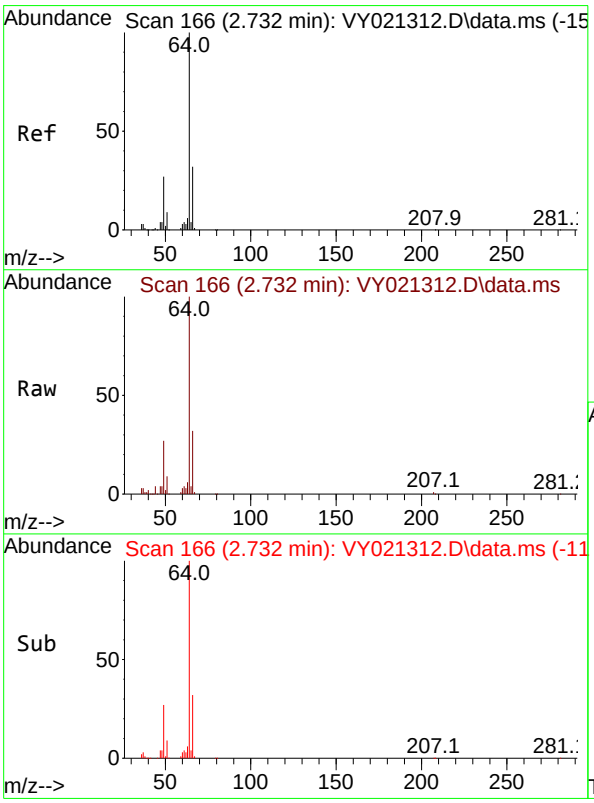
#5
Bromomethane
Concen: 48.395 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 67780

Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.2	112.8

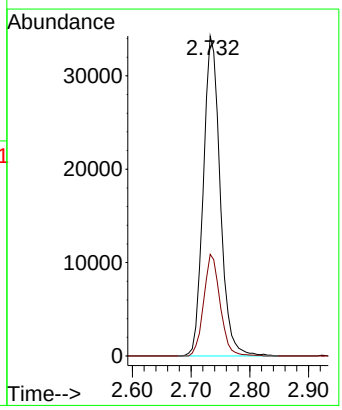


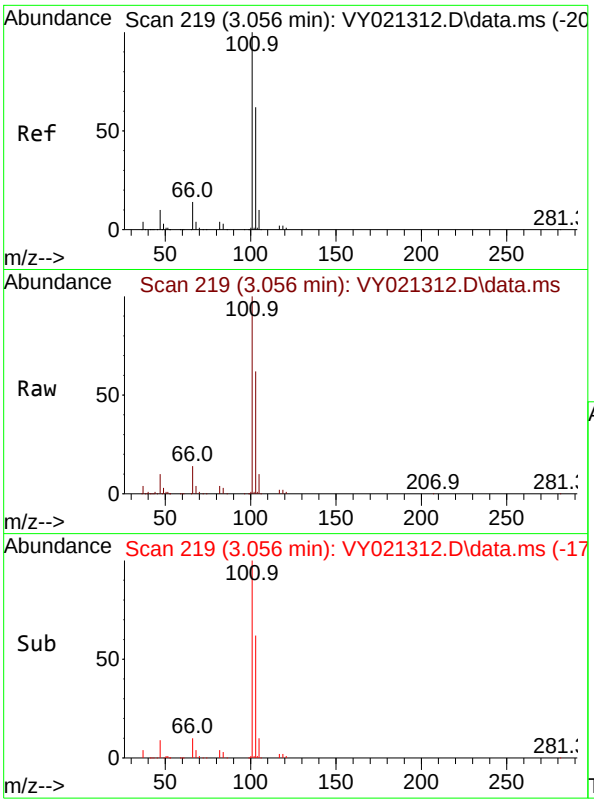


#6
Chloroethane
Concen: 52.276 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 64 Resp: 68323

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.4	38.0



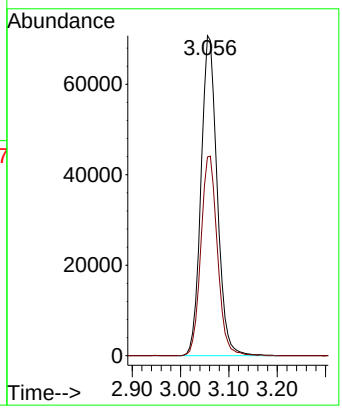


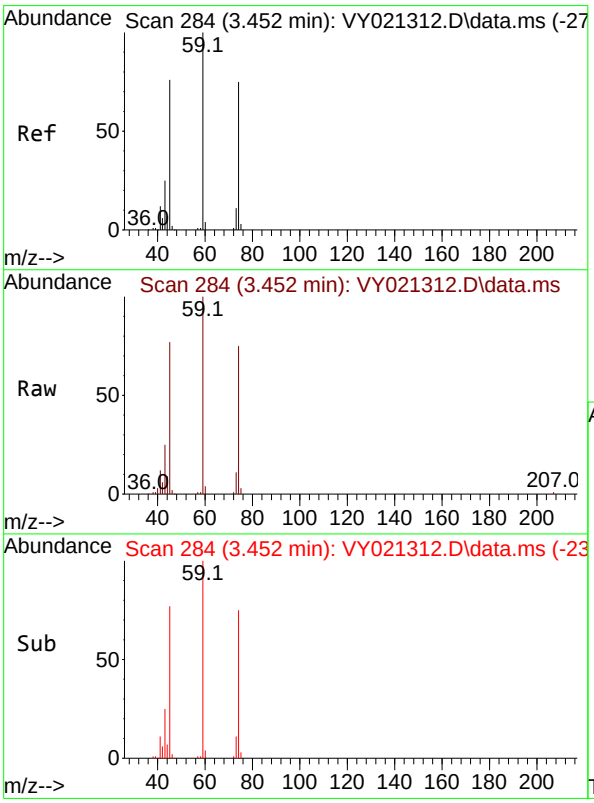
#7
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 164215

Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5

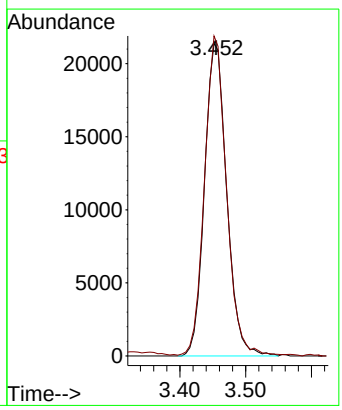


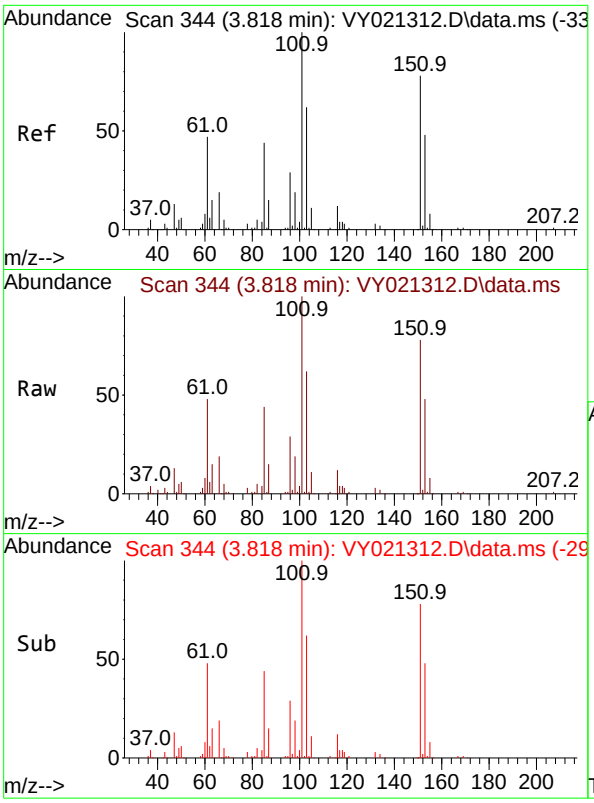


#8
Diethyl Ether
Concen: 52.532 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 74 Resp: 50185

Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.3	150.9



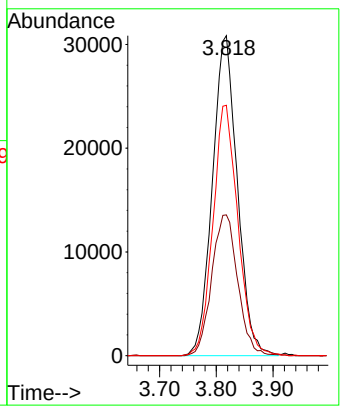


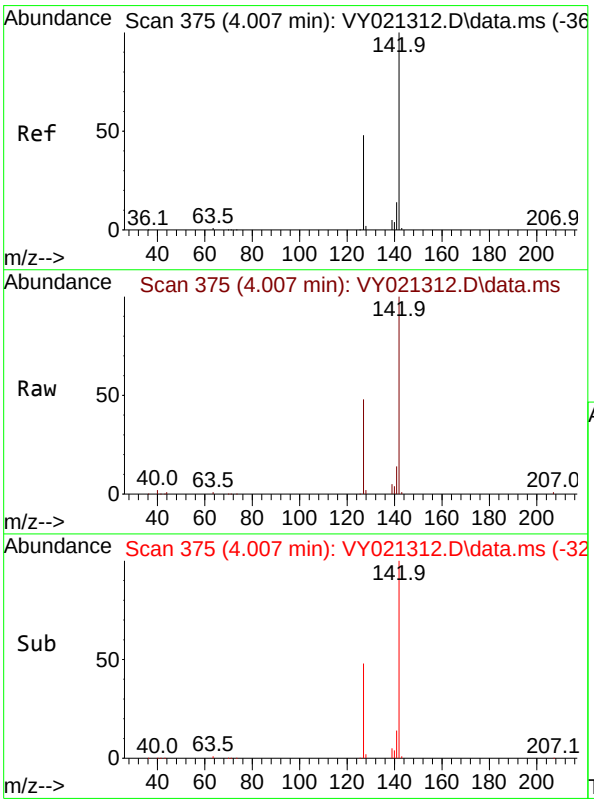
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.116 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 94197

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.7	55.1
151	78.3	62.6	94.0

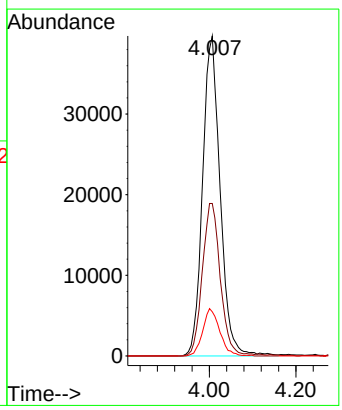


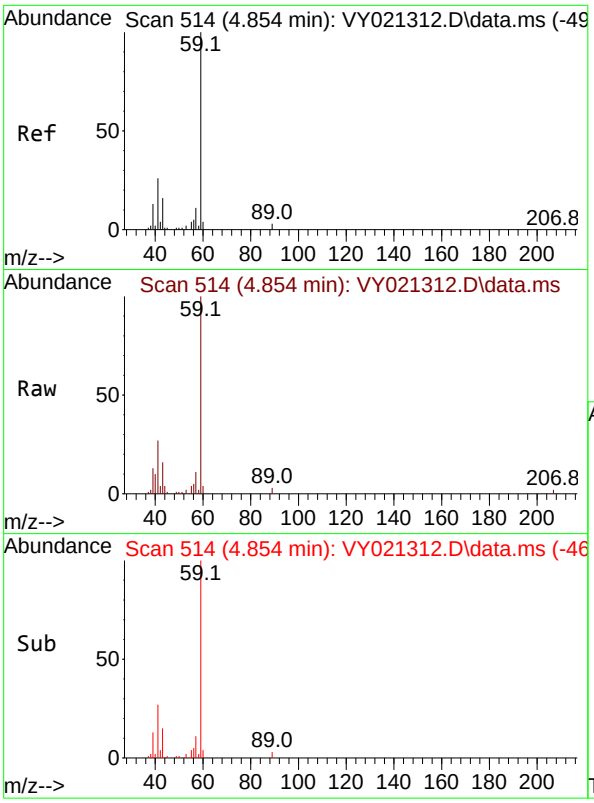


#10
Methyl Iodide
Concen: 57.600 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:142 Resp: 111673

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.3	11.4	17.2



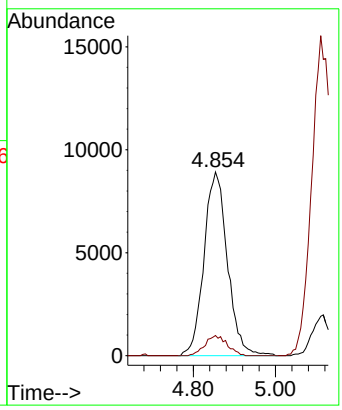


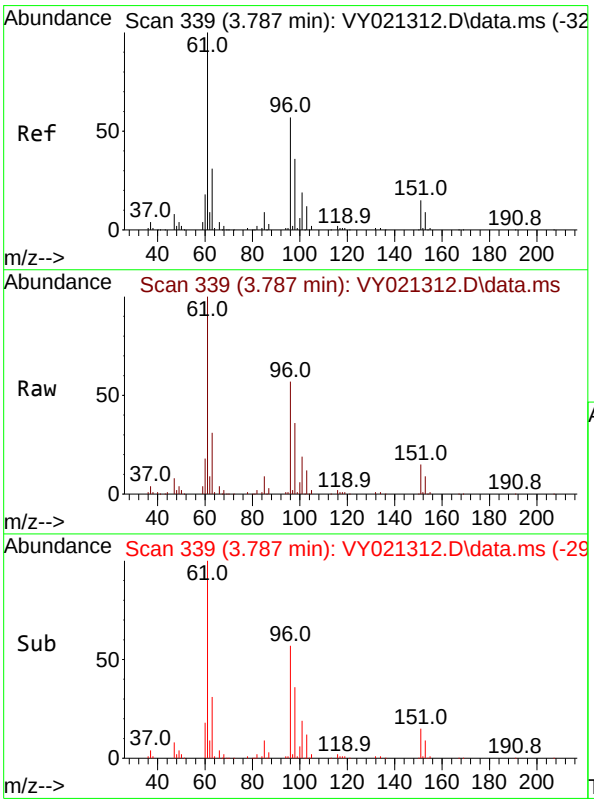
#11
Tert butyl alcohol
Concen: 230.691 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 35300

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

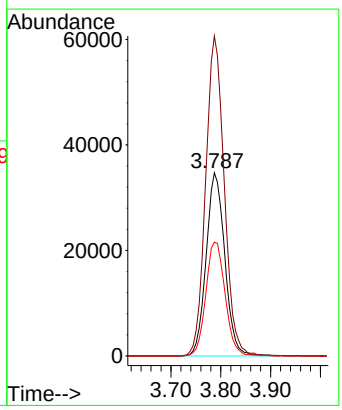


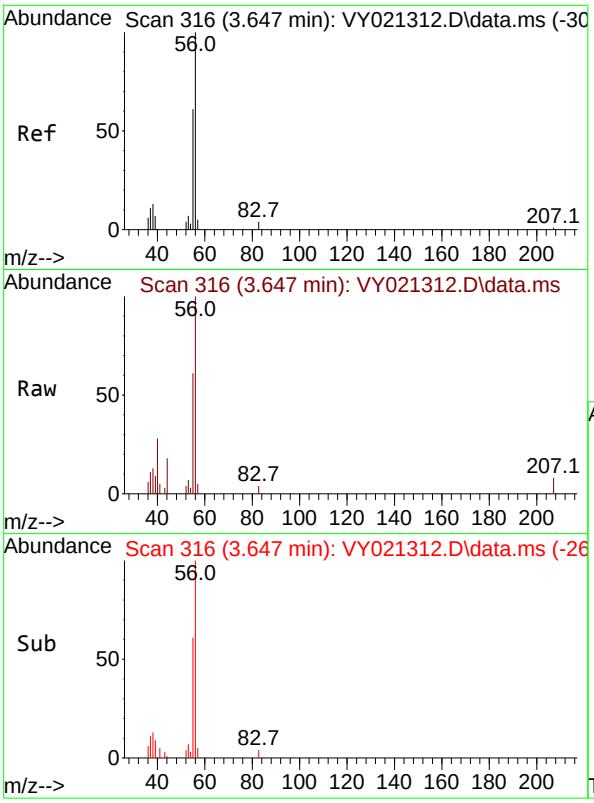


#12
1,1-Dichloroethene
Concen: 51.226 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 90388

Ion	Ratio	Lower	Upper
96	100		
61	174.6	139.7	209.5
98	62.1	49.7	74.5



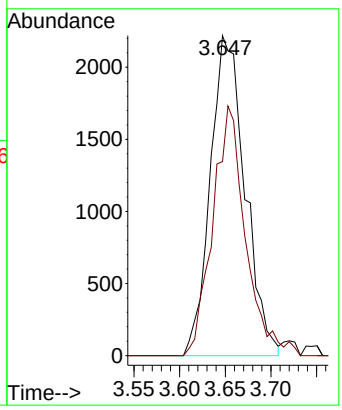


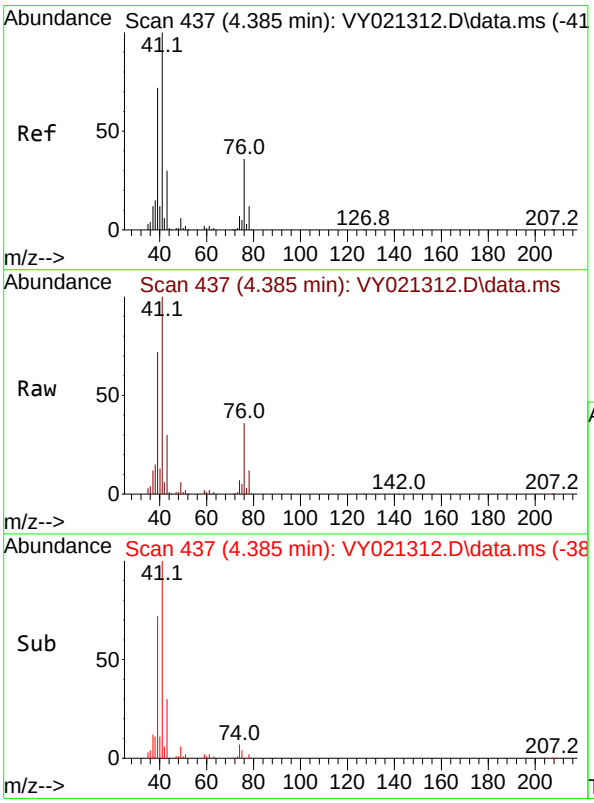
#13
Acrolein
Concen: 49.975 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 5860

Ion	Ratio	Lower	Upper
56	100		
55	73.8	59.0	88.6

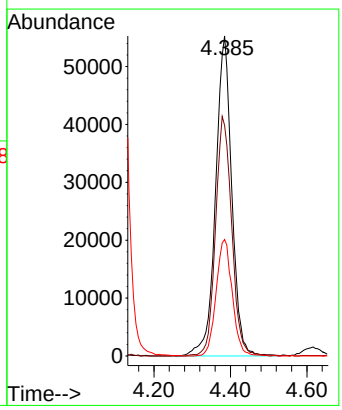


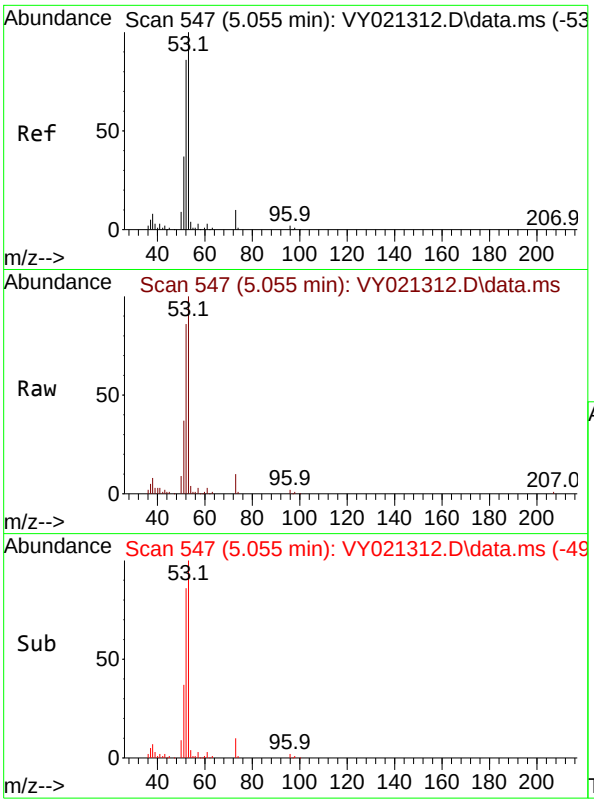


#14
Allyl chloride
Concen: 51.918 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 162419

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.0	90.0
76	36.3	29.0	43.6



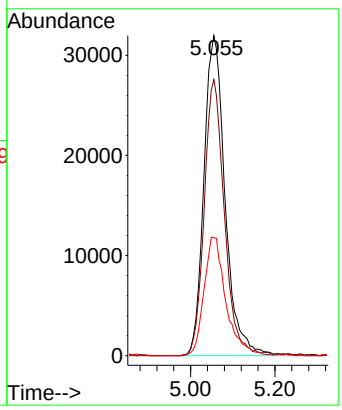


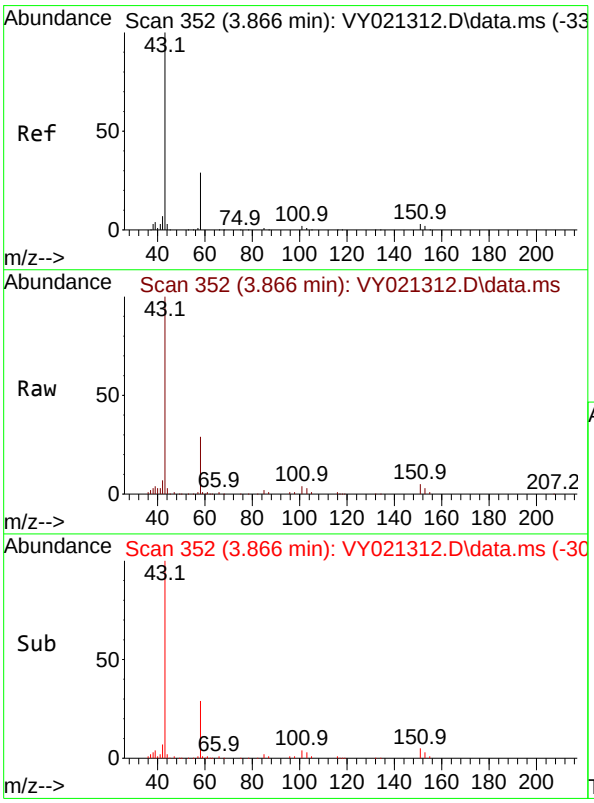
#15
Acrylonitrile
Concen: 264.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 111677

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	38.3	30.6	46.0

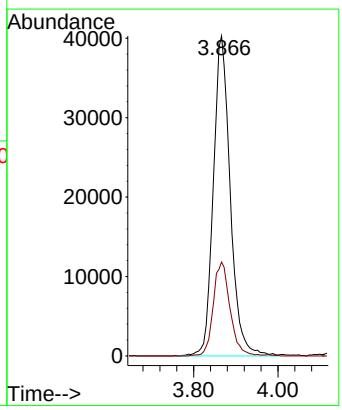


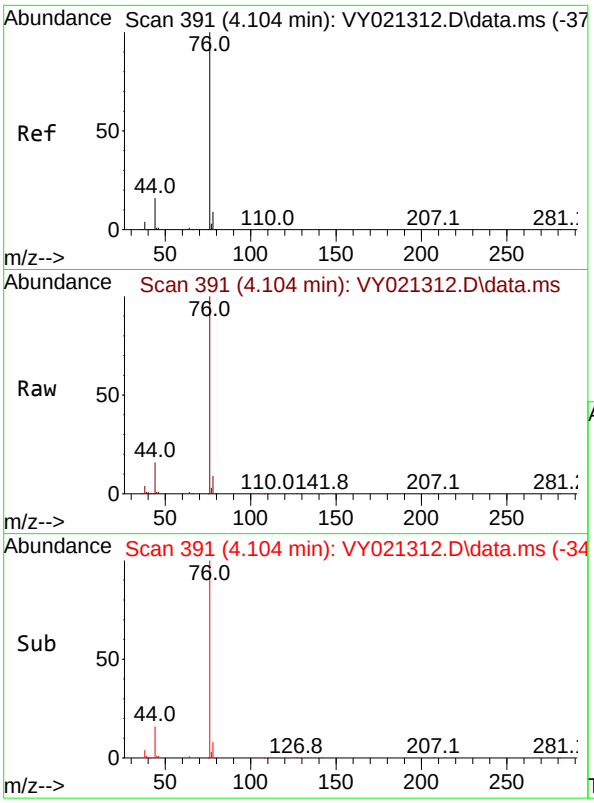


#16
Acetone
Concen: 293.294 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 111923

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.5	35.3



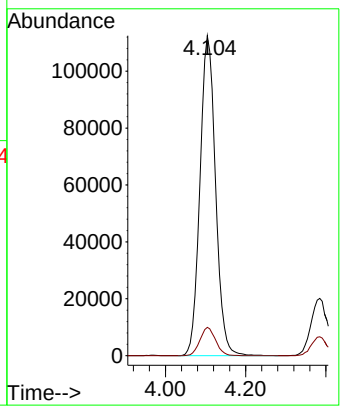


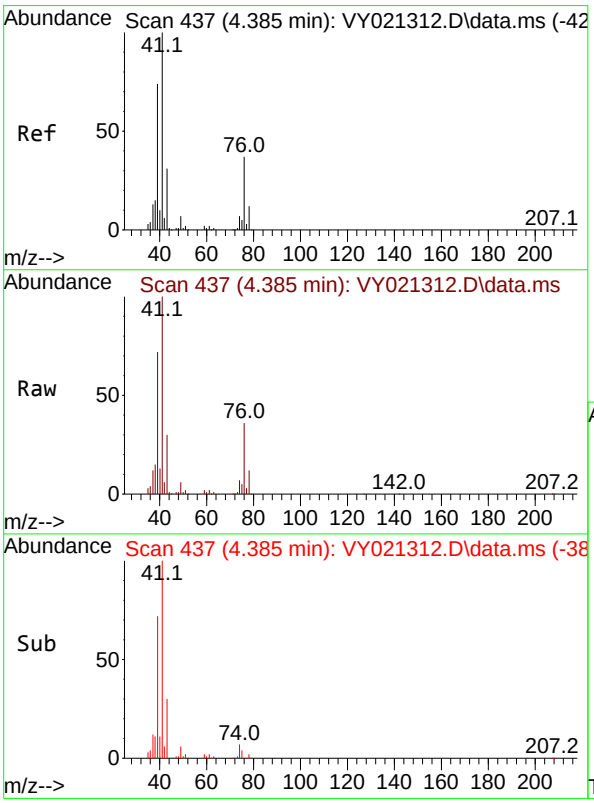
#17
Carbon Disulfide
Concen: 51.892 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 304042

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

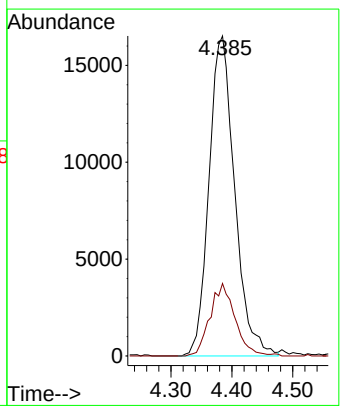


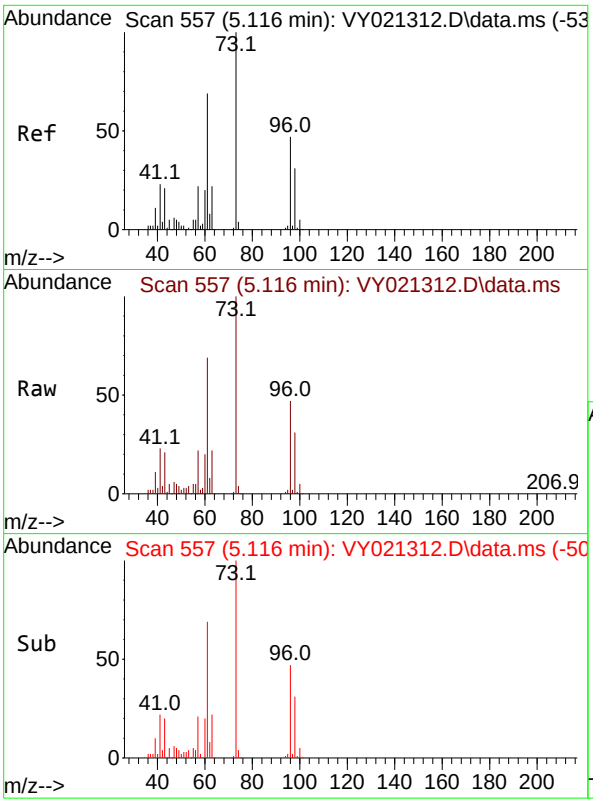


#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 48368

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5



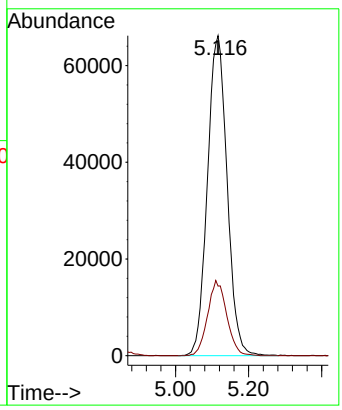


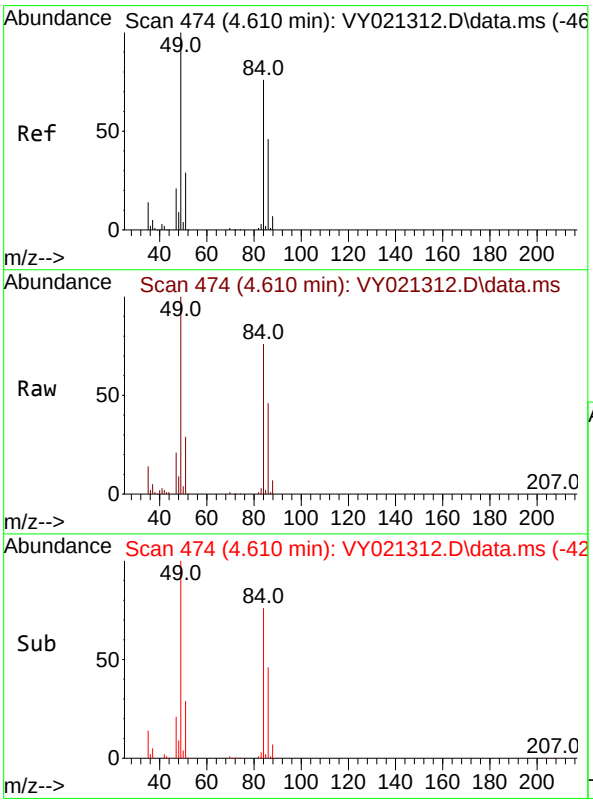
#19
Methyl tert-butyl Ether
Concen: 53.043 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 247280

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

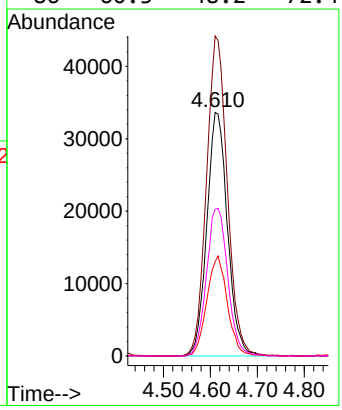


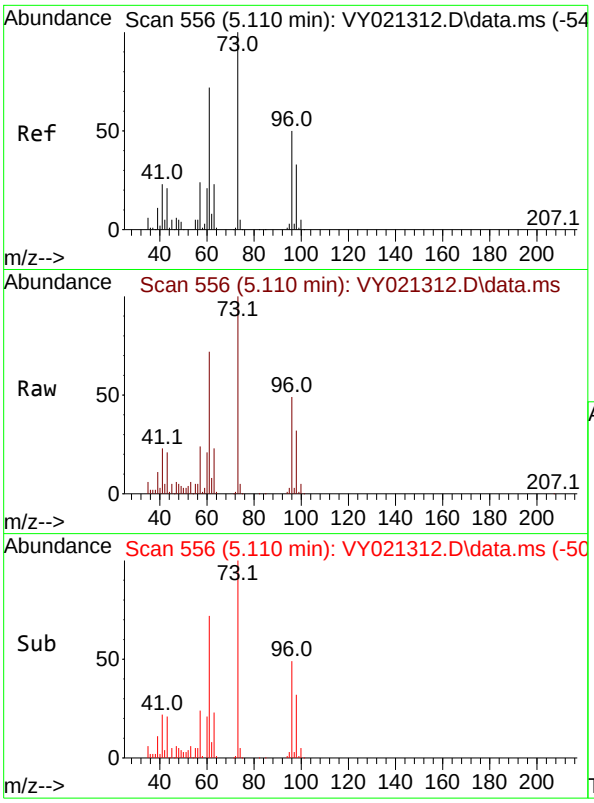


#20
Methylene Chloride
Concen: 49.716 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 84 Resp: 102592

Ion	Ratio	Lower	Upper
84	100		
49	131.4	105.1	157.7
51	38.7	31.0	46.4
86	60.3	48.2	72.4



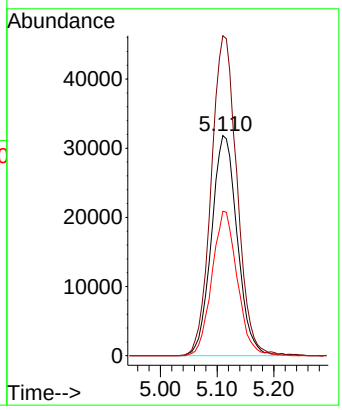


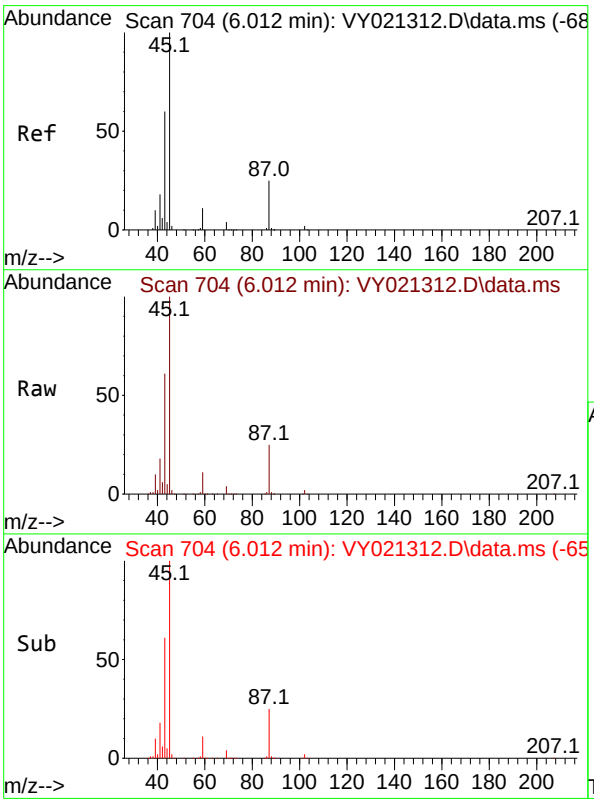
#21
trans-1,2-Dichloroethene
Concen: 51.774 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 100568

Ion	Ratio	Lower	Upper
96	100		
61	145.4	116.3	174.5
98	65.7	52.6	78.8

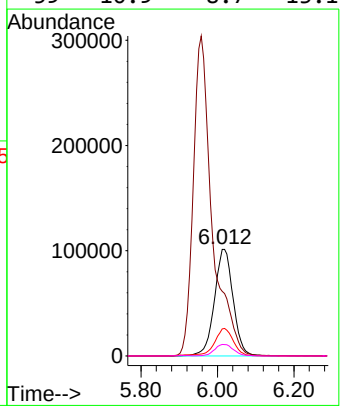


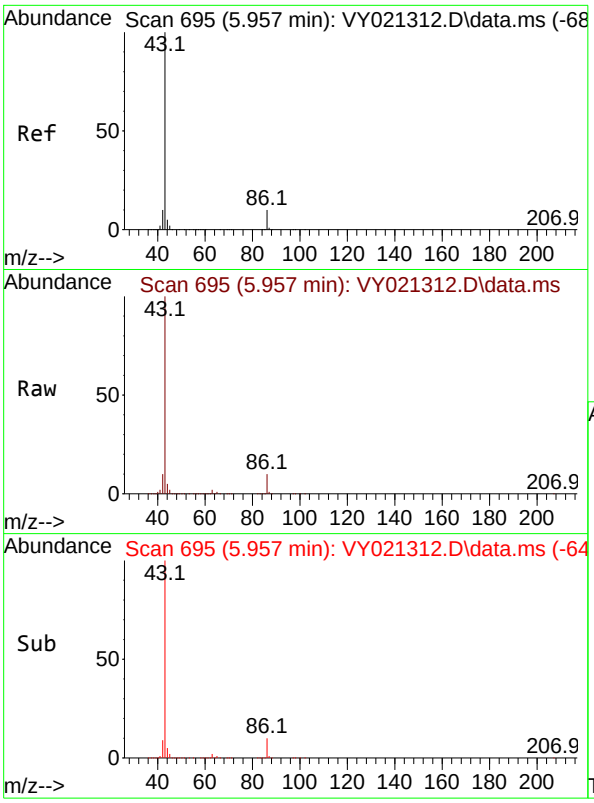


#22
Diisopropyl ether
Concen: 53.126 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 45 Resp: 343920

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.4
87	25.4	20.3	30.5
59	10.9	8.7	13.1



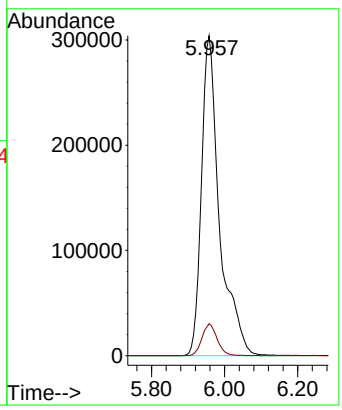


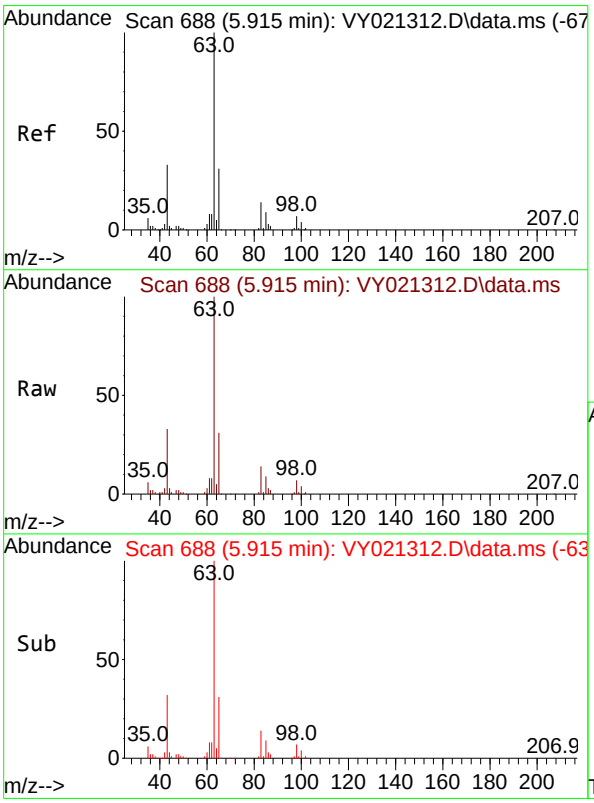
#23
Vinyl Acetate
Concen: 269.294 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1041767

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

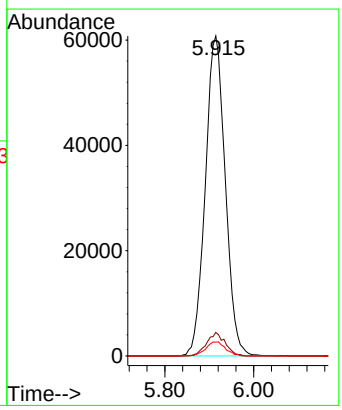


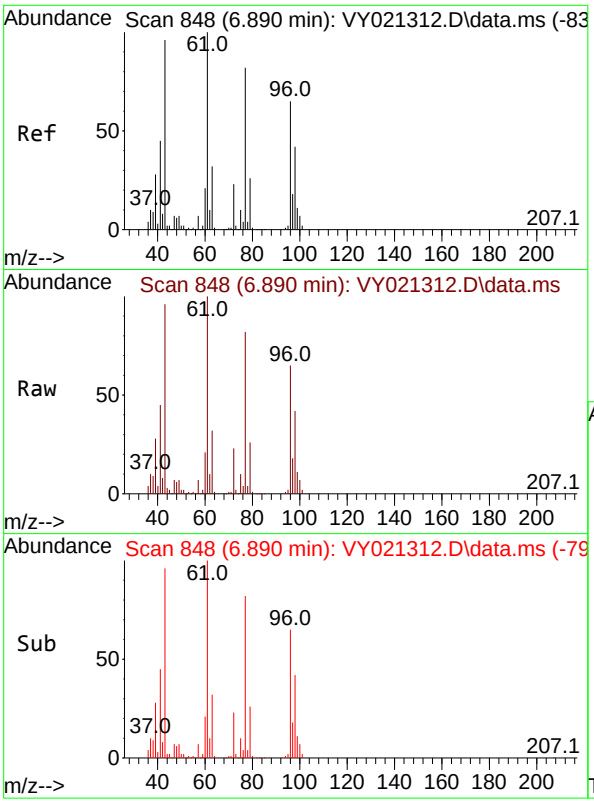


#24
1,1-Dichloroethane
Concen: 52.057 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 189943

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.1	6.5



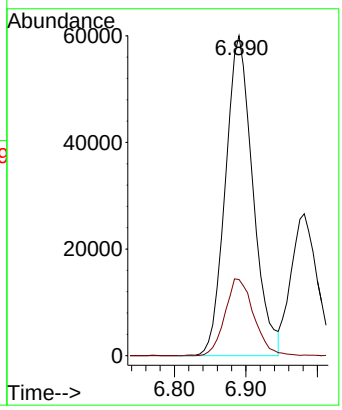


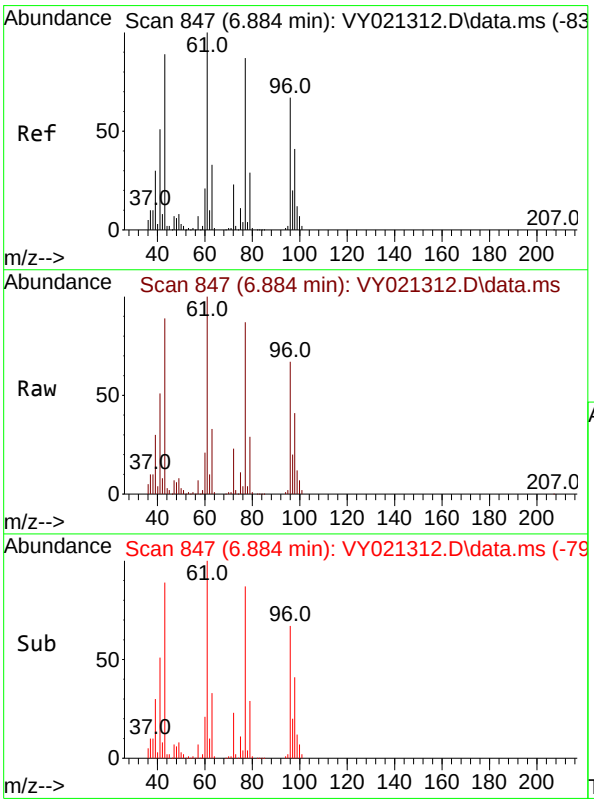
#25
2-Butanone
Concen: 278.240 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 160248

Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.0	28.6

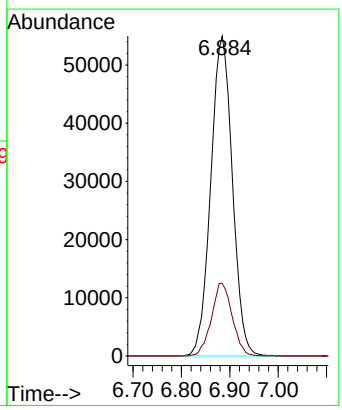


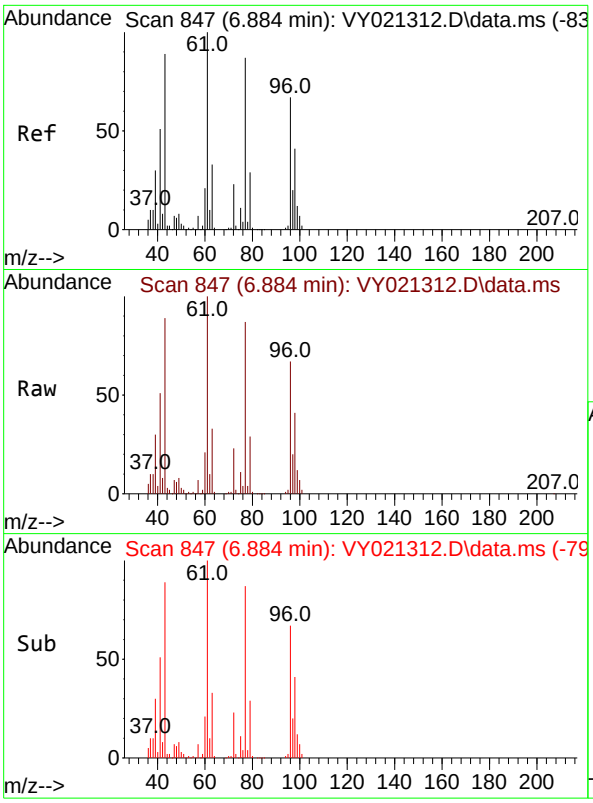


#26
2,2-Dichloropropane
Concen: 51.489 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 77 Resp: 170469

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



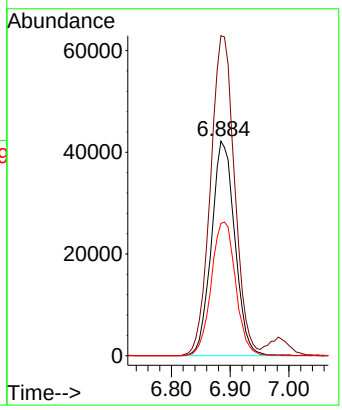


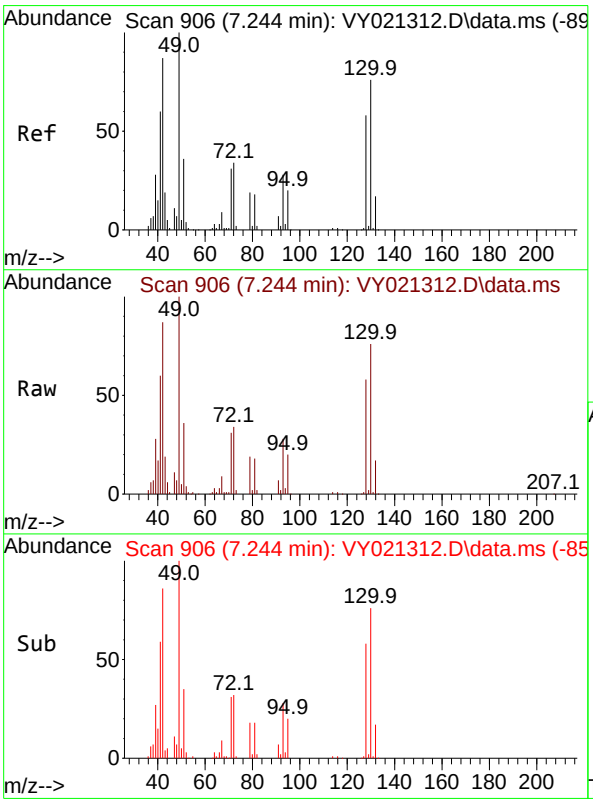
#27
cis-1,2-Dichloroethene
Concen: 52.579 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 116627

Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	308.0
98	64.8	0.0	129.6

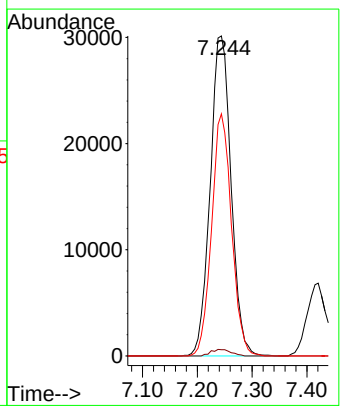


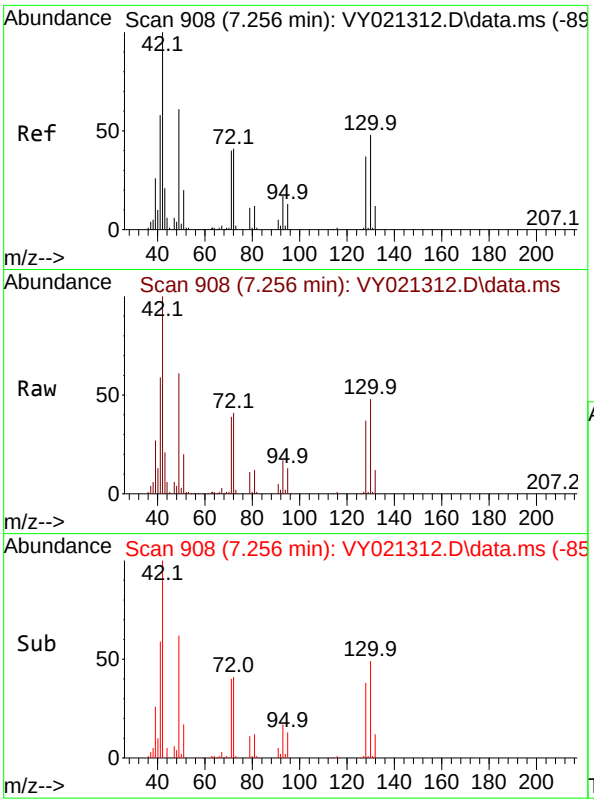


#28
Bromochloromethane
Concen: 49.352 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 49 Resp: 79678

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.2	57.8	86.6



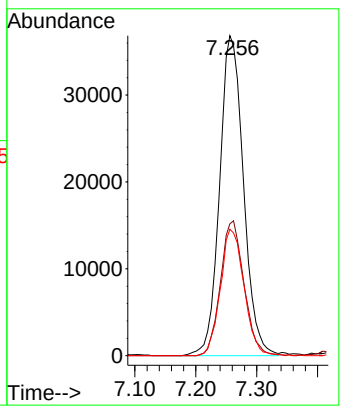


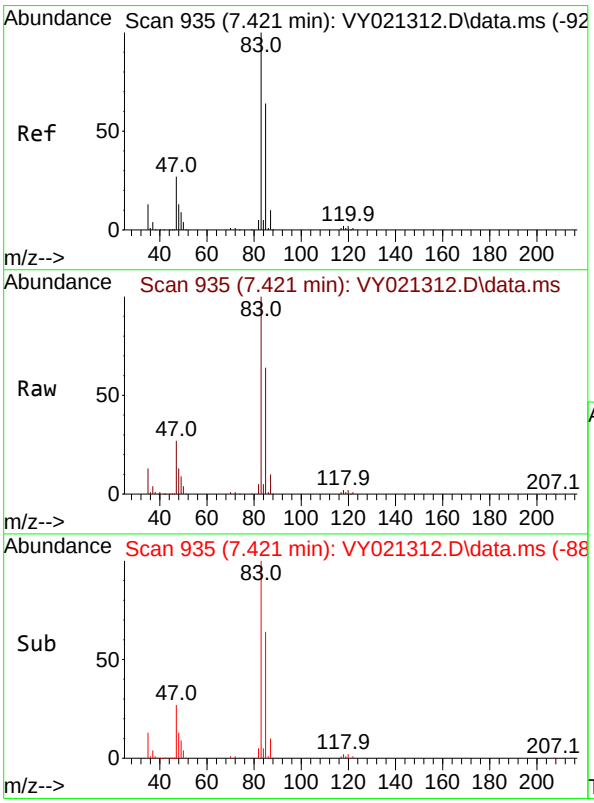
#29
Tetrahydrofuran
Concen: 266.741 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 100417

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.2	31.4	47.0

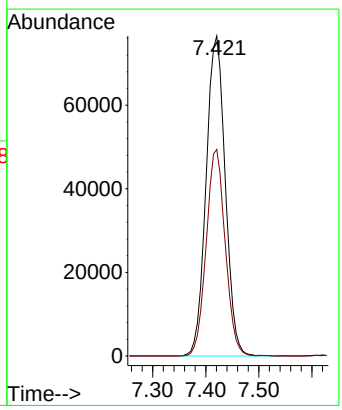


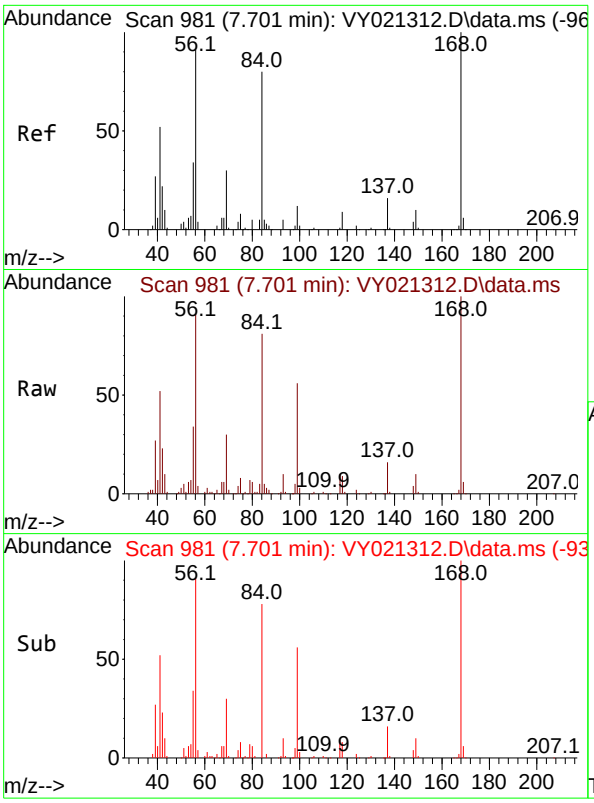


#30
Chloroform
Concen: 51.925 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 191980

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4



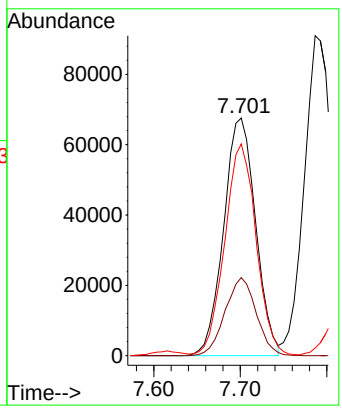


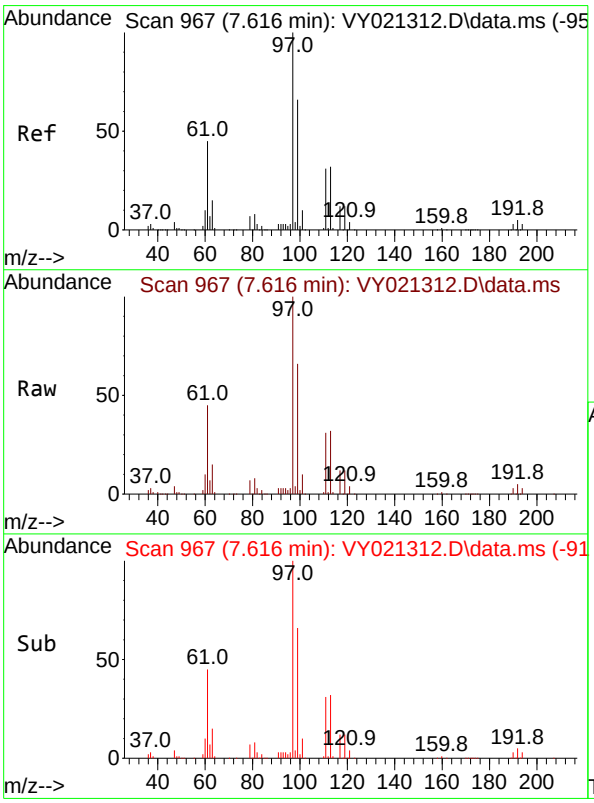
#31
Cyclohexane
Concen: 49.456 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 173460

Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	87.8	70.2	105.4

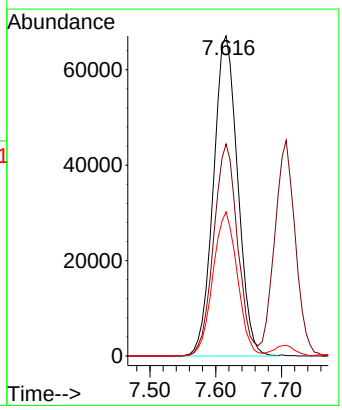


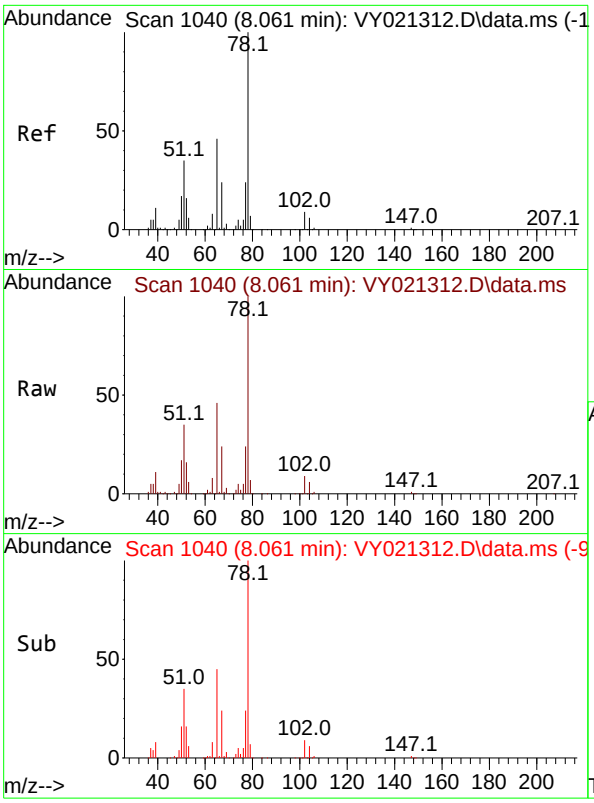


#32
1,1,1-Trichloroethane
Concen: 51.372 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 172880

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	45.2	36.2	54.2



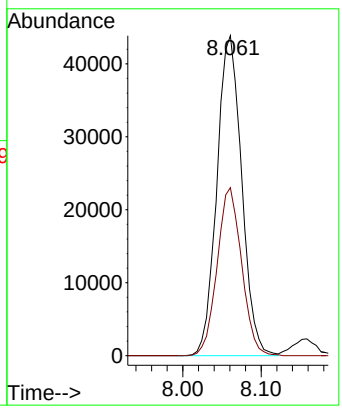


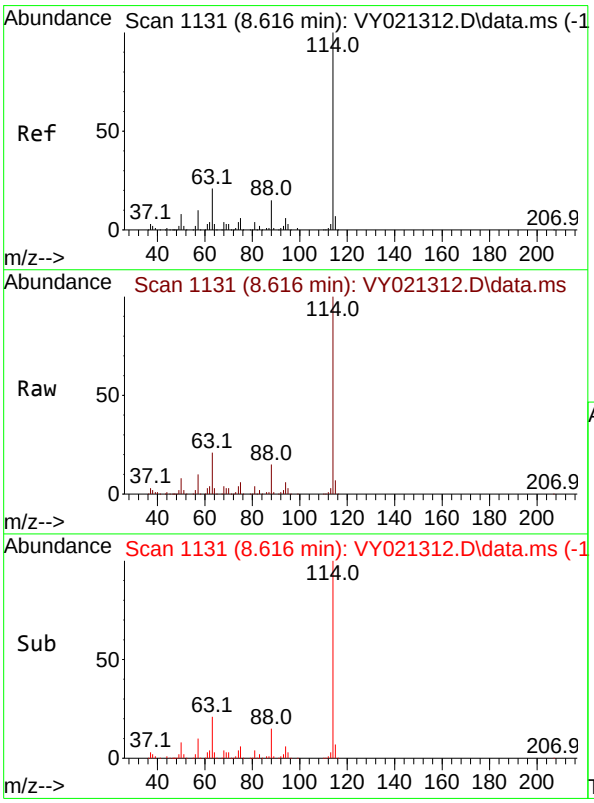
#33
1,2-Dichloroethane-d4
Concen: 48.606 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 96694

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

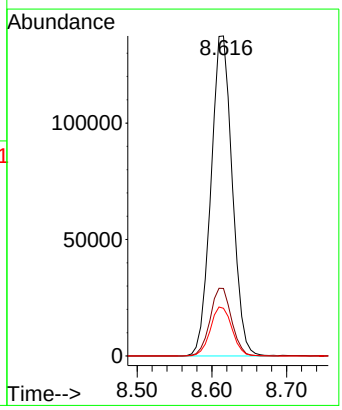


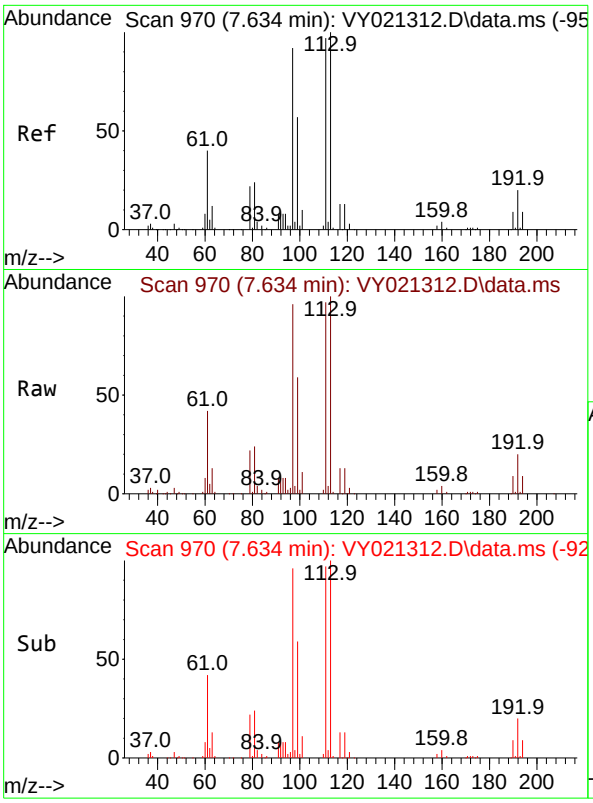


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:114 Resp: 272563

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.2
88	14.9	0.0	29.8



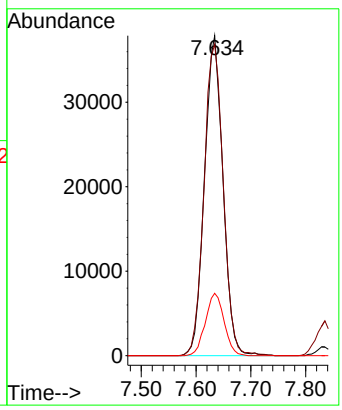


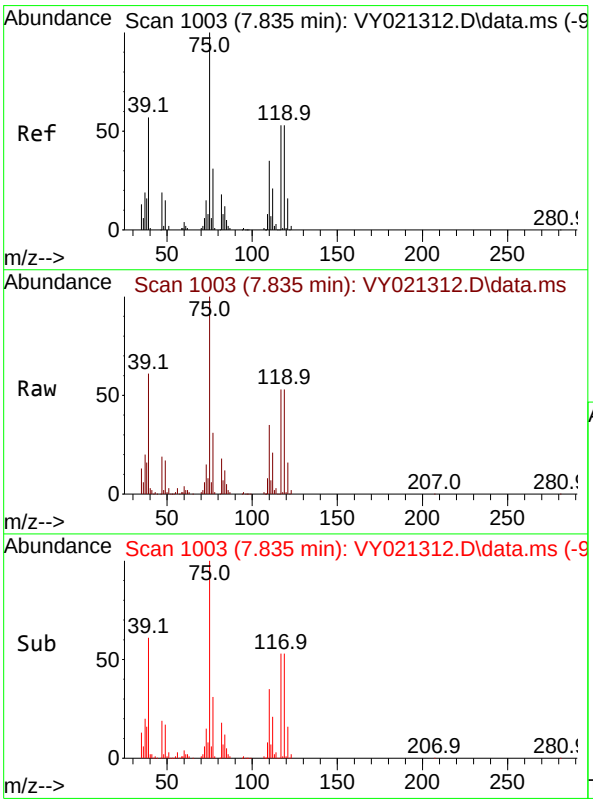
#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 88513

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	19.8	15.8	23.8

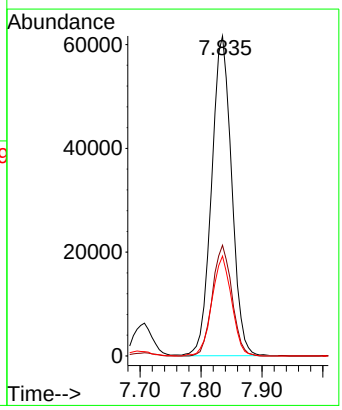


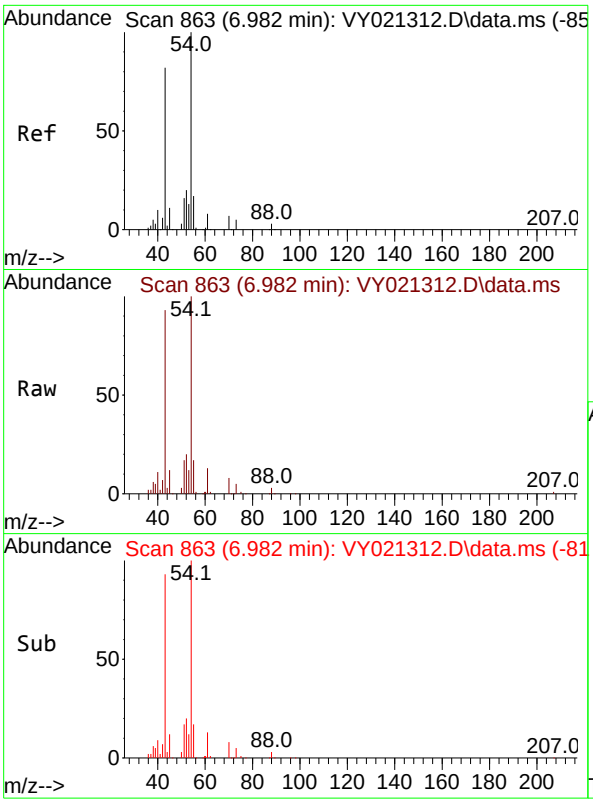


#36
1,1-Dichloropropene
Concen: 52.371 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140574

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.7	24.6	36.8



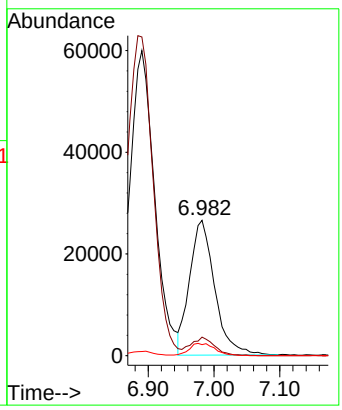


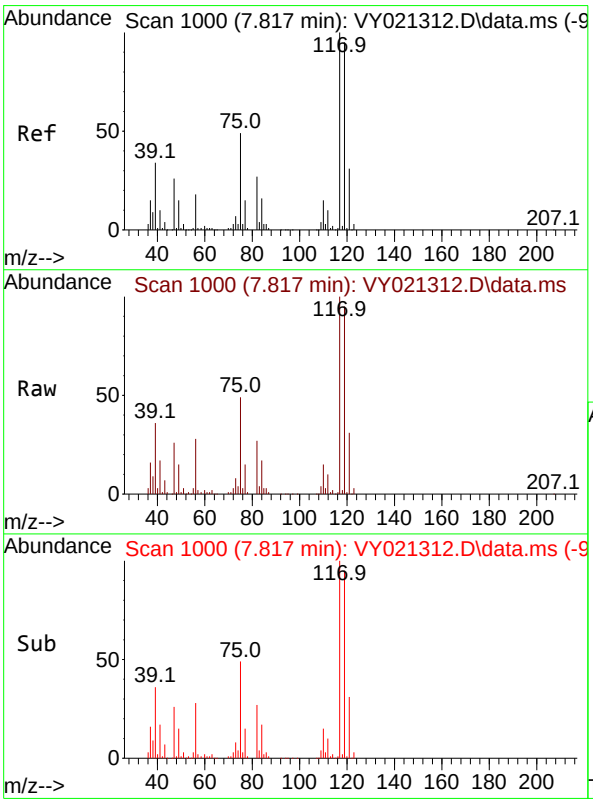
#37
Ethyl Acetate
Concen: 52.565 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 70184

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.4	7.5	11.3

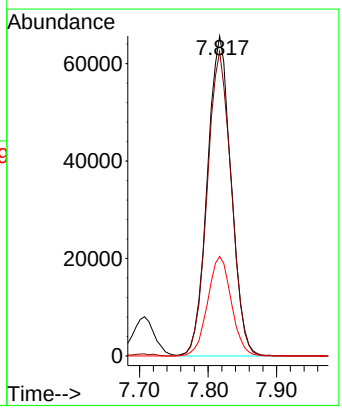


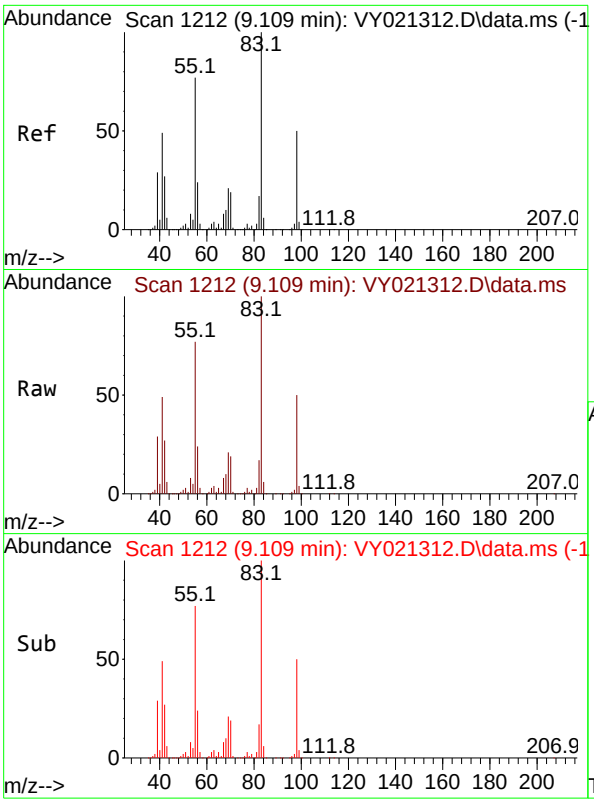


#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 158319

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	31.1	24.9	37.3



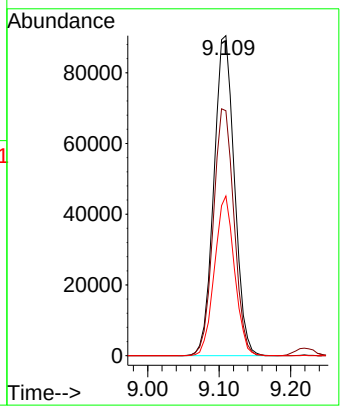


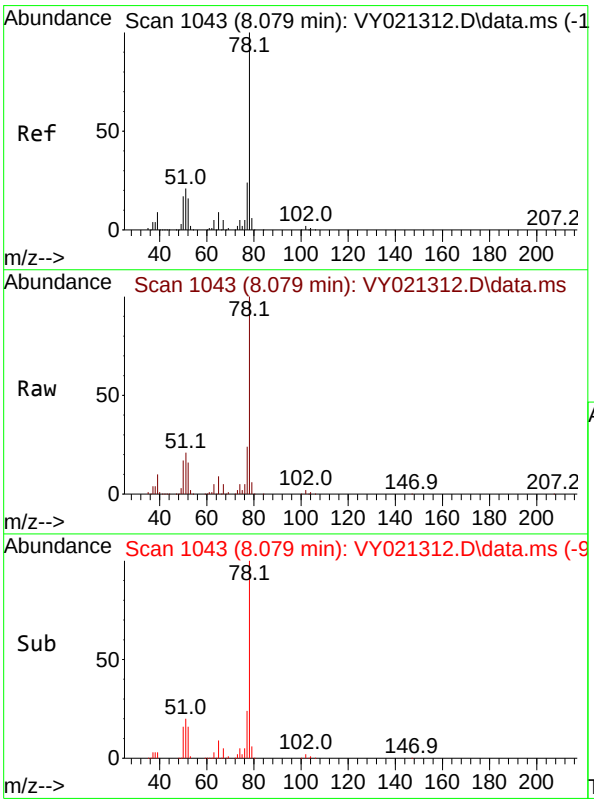
#39
Methylcyclohexane
Concen: 53.165 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 180496

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	49.9	39.9	59.9

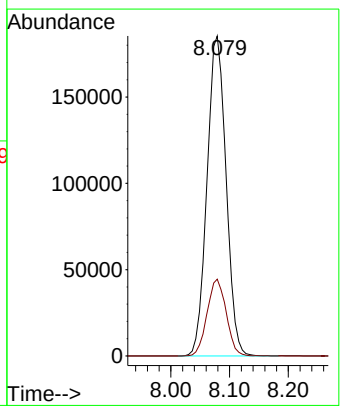


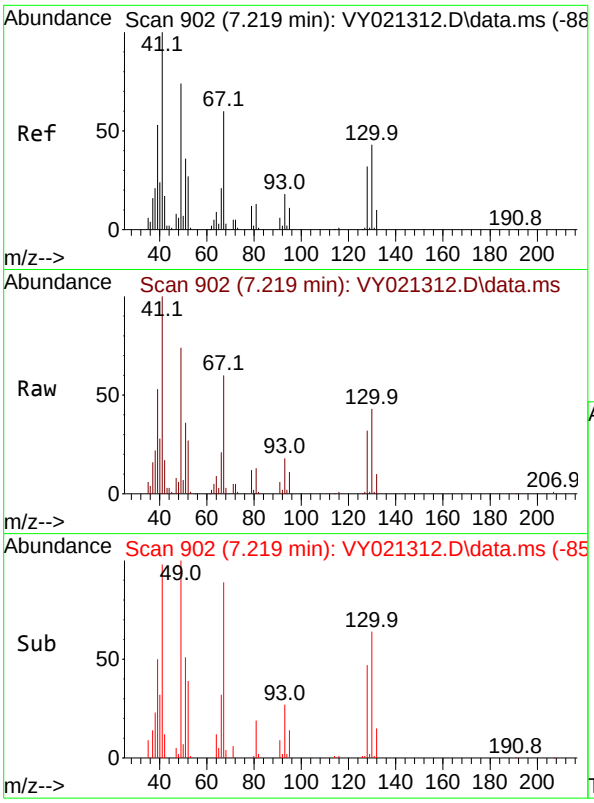


#40
Benzene
Concen: 52.655 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 78 Resp: 417798

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



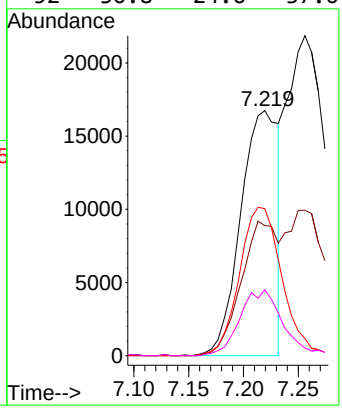


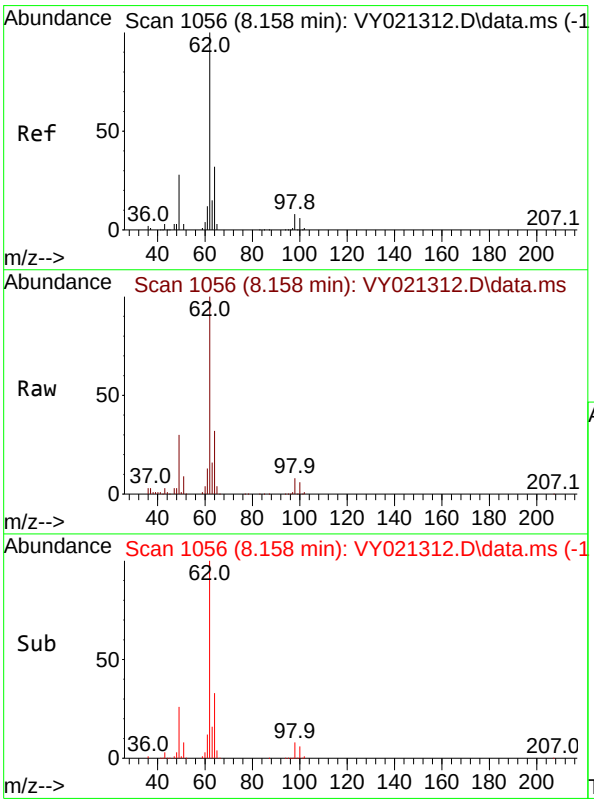
#41
Methacrylonitrile
Concen: 53.535 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 39965

Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.3	63.5
67	68.5	54.8	82.2
52	30.8	24.6	37.0

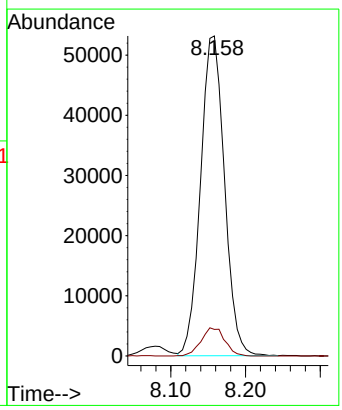


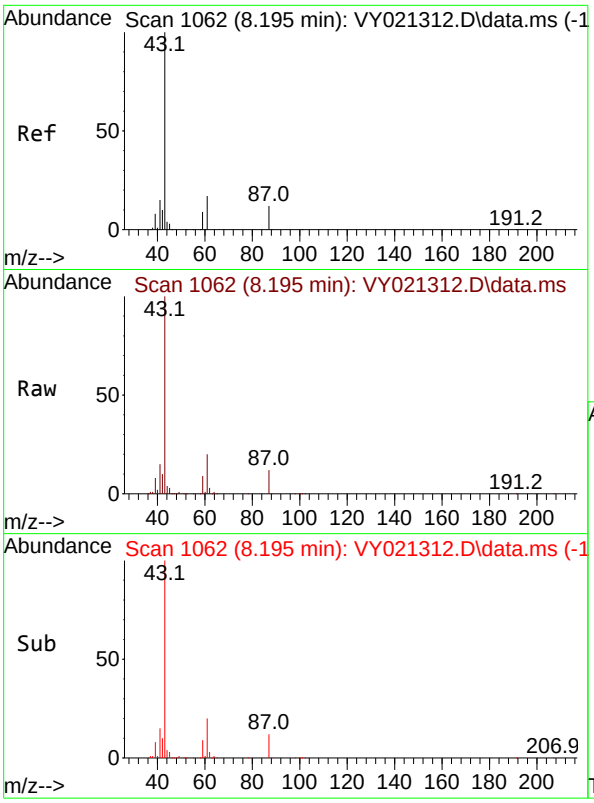


#42
1,2-Dichloroethane
Concen: 52.494 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 118176

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



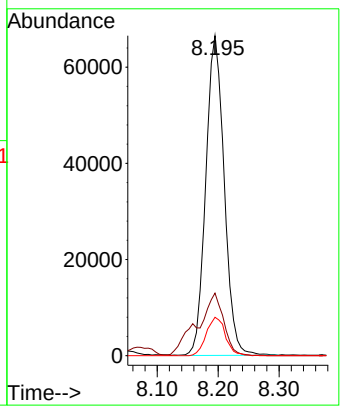


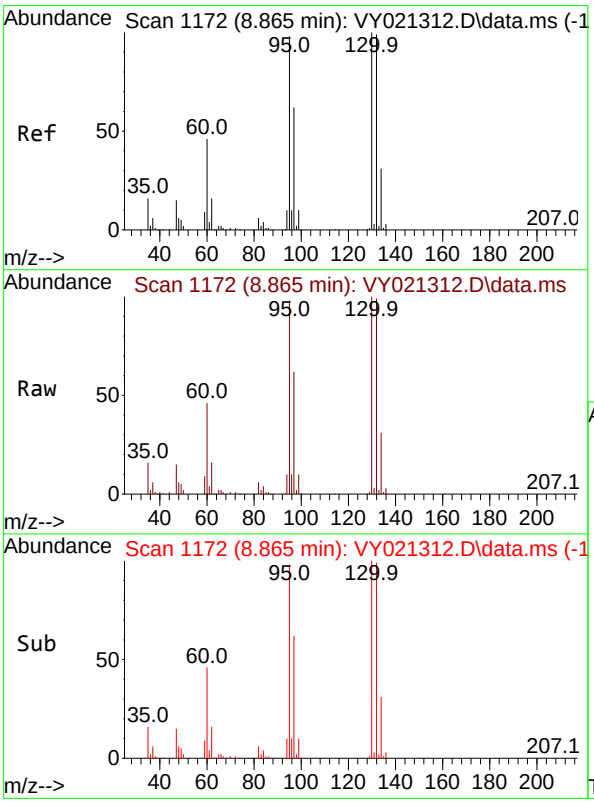
#43
Isopropyl Acetate
Concen: 54.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 139829

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.6
87	12.5	10.0	15.0

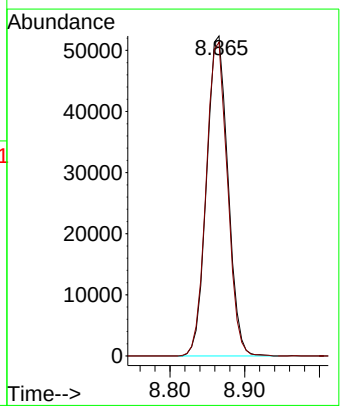


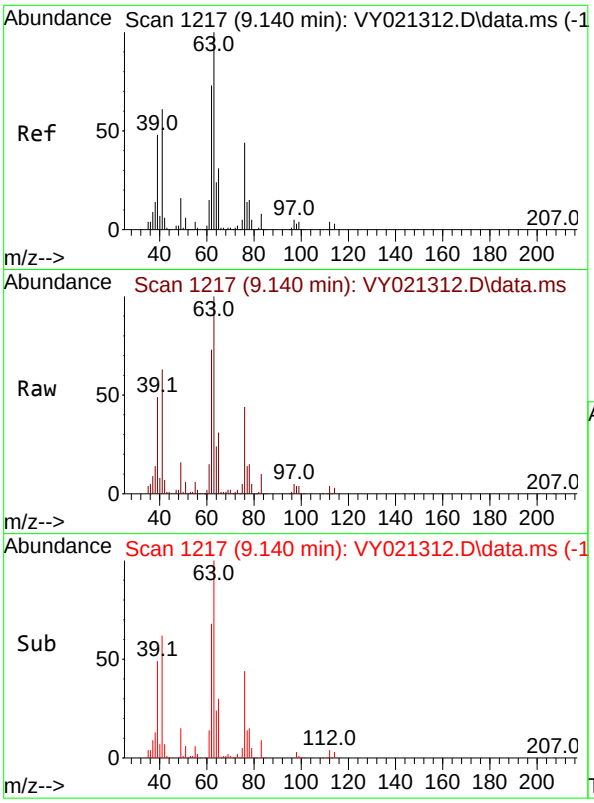


#44
Trichloroethene
Concen: 52.389 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:130 Resp: 104074

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.0



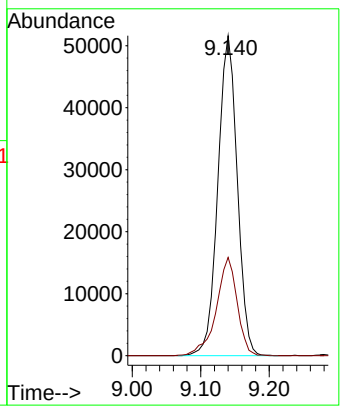


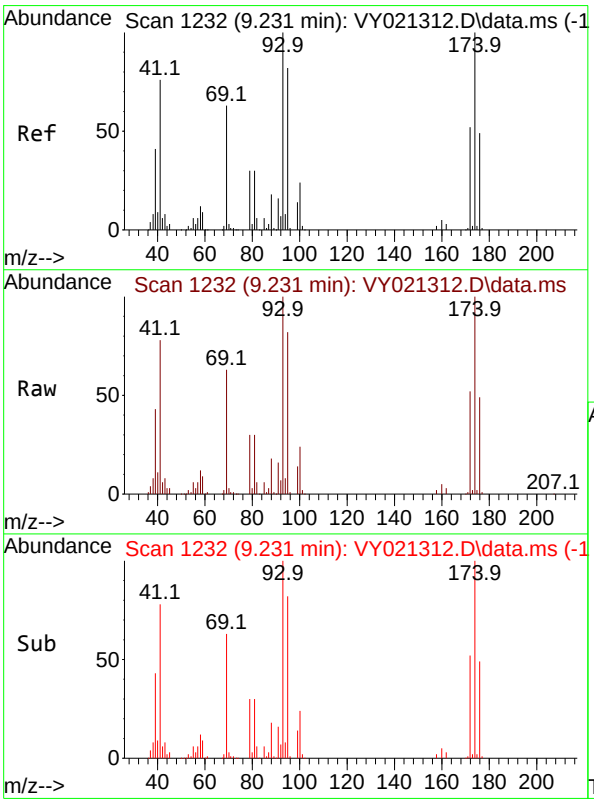
#45
1,2-Dichloropropane
Concen: 52.980 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 101166

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8

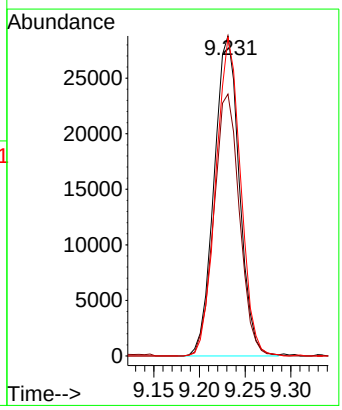


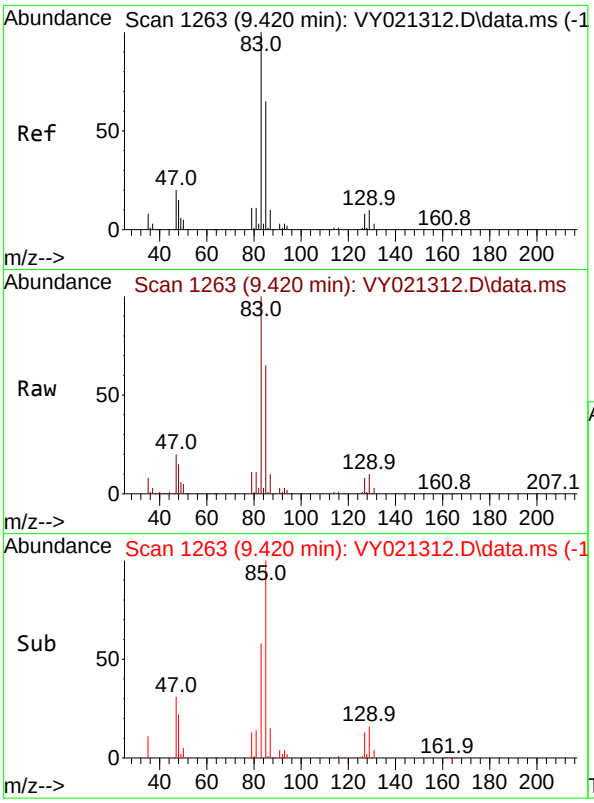


#46
Dibromomethane
Concen: 53.043 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 93 Resp: 55365

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	97.7	78.2	117.2



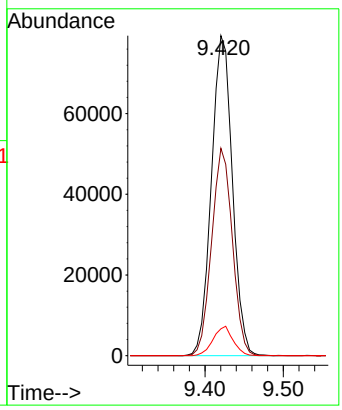


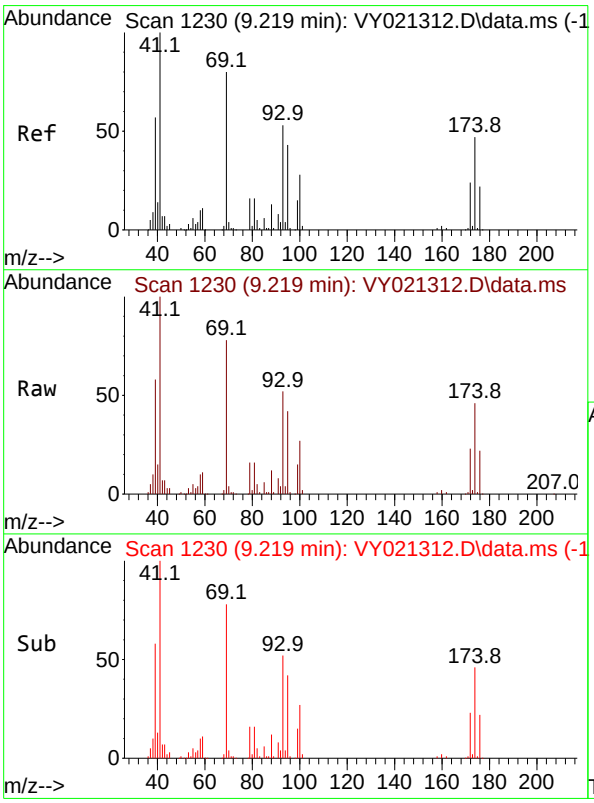
#47
Bromodichloromethane
Concen: 52.957 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 147382

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.4	6.7	10.1

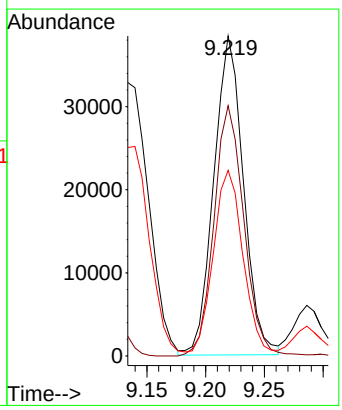


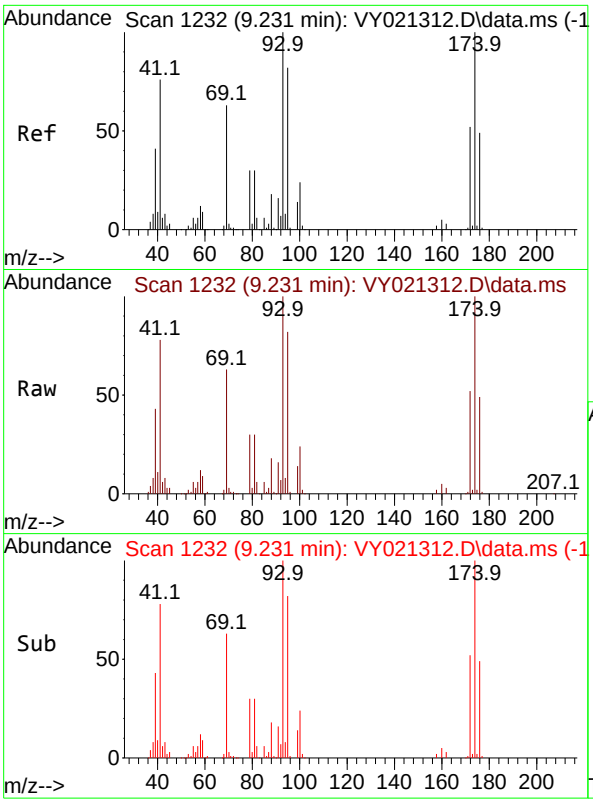


#48
Methyl methacrylate
Concen: 55.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 67406

Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.3	94.9
39	56.3	45.0	67.6



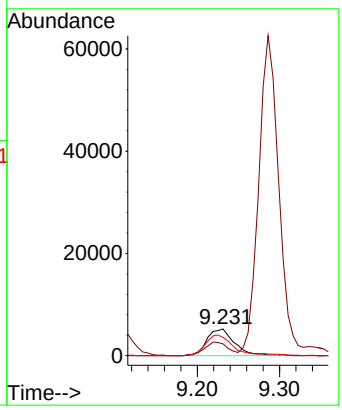


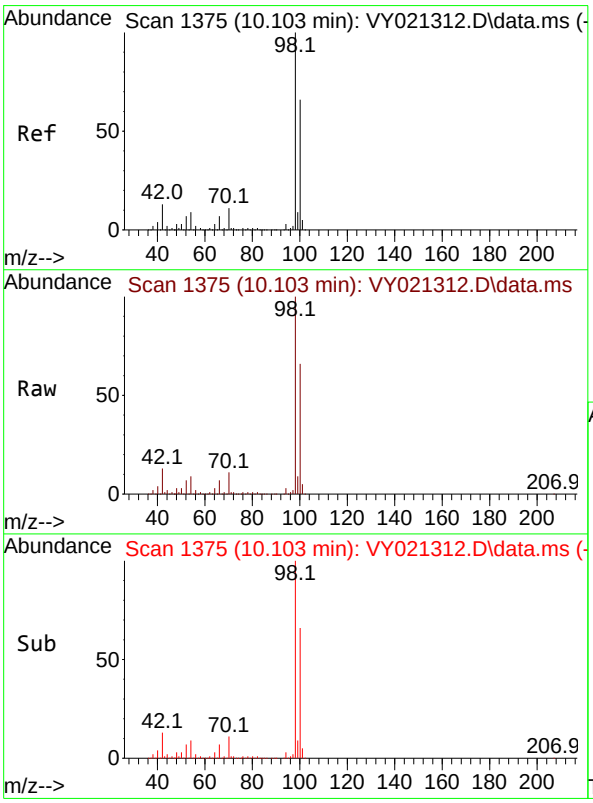
#49
1,4-Dioxane
Concen: 1050.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 12193

Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.8	52.2
58	74.7	59.8	89.6

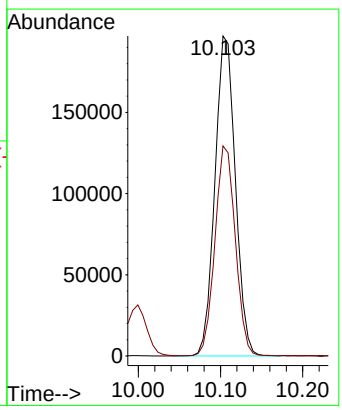


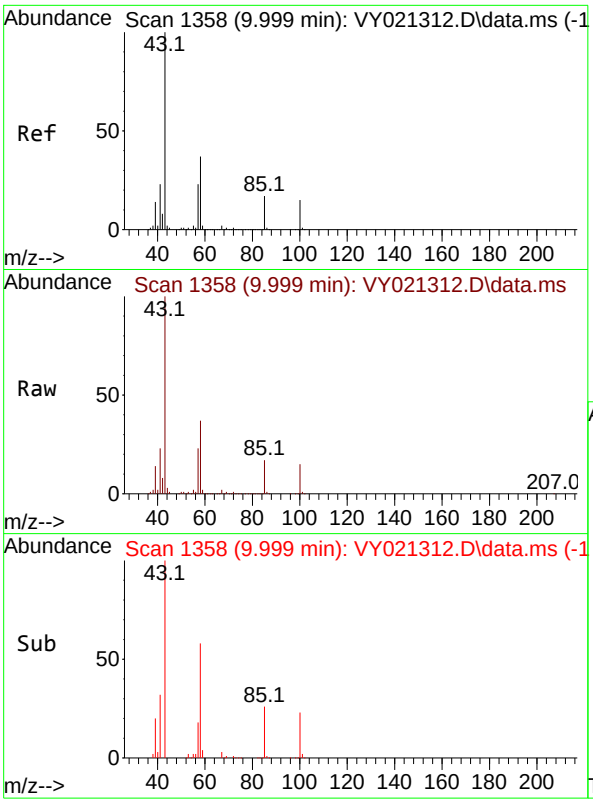


#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 98 Resp: 340929

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6



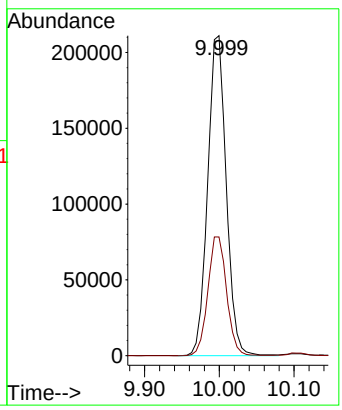


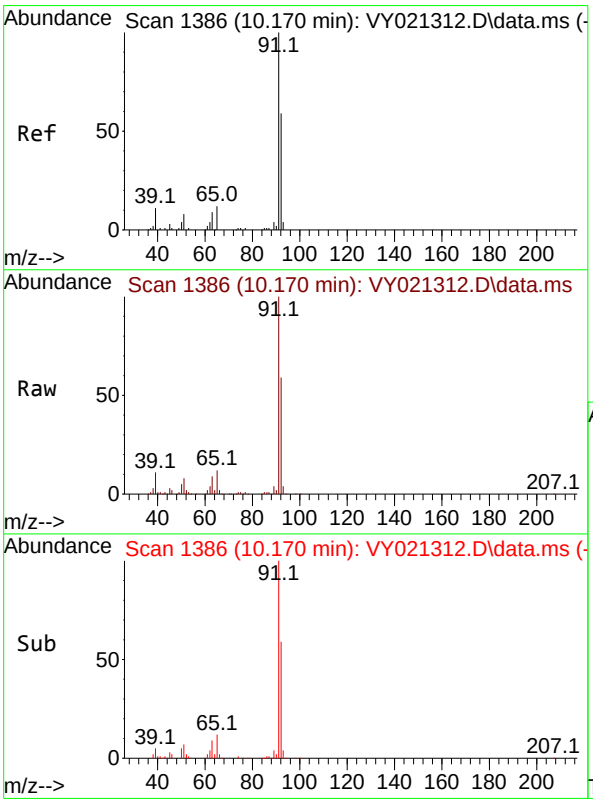
#51
4-Methyl-2-Pentanone
Concen: 275.485 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 364446

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1

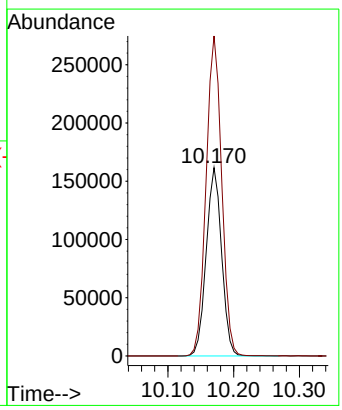


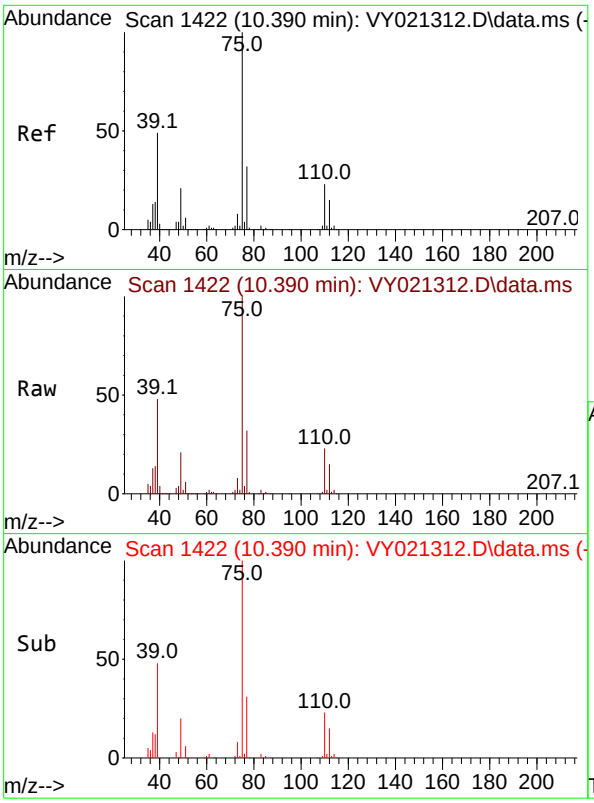


#52
Toluene
Concen: 53.367 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 92 Resp: 263062

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8



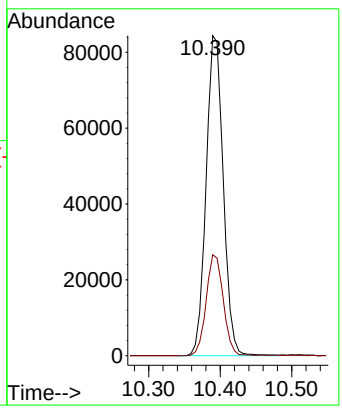


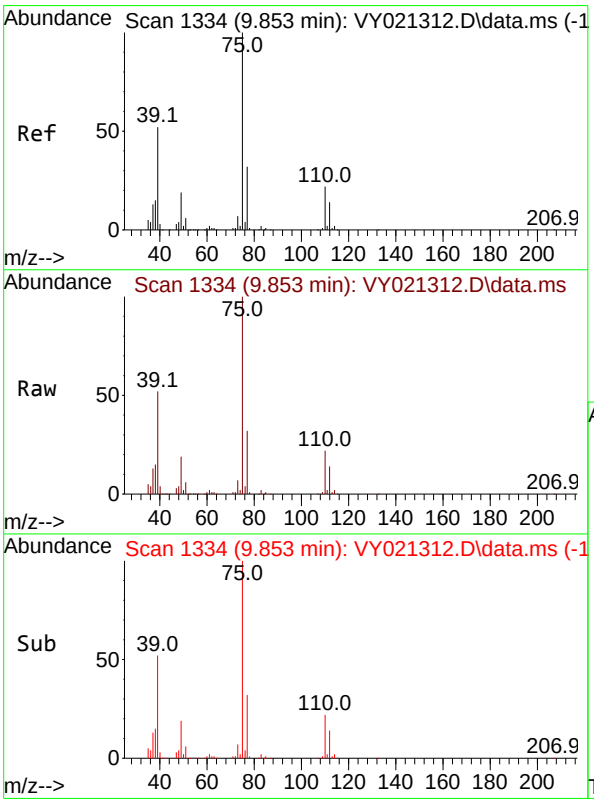
#53
t-1,3-Dichloropropene
Concen: 55.062 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 140399

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

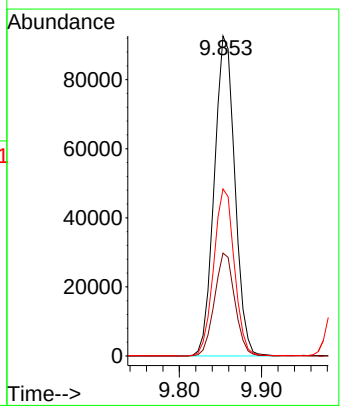


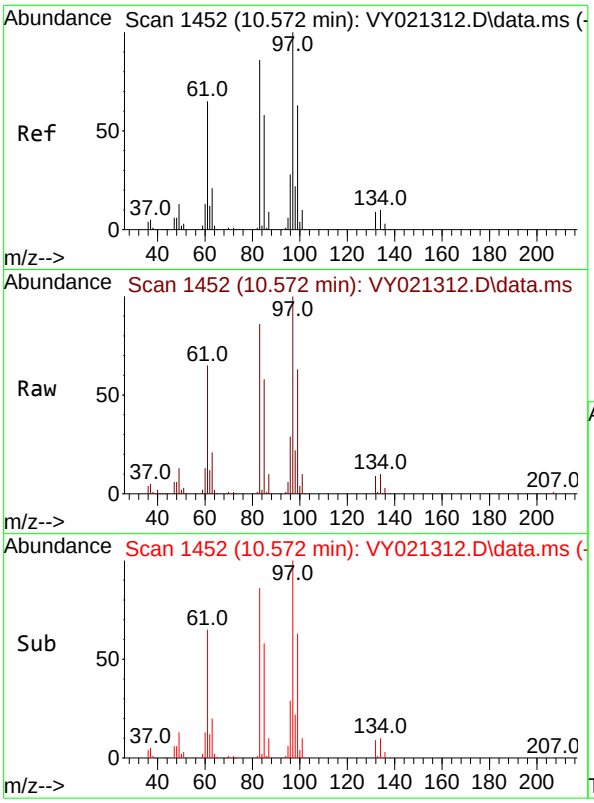


#54
cis-1,3-Dichloropropene
Concen: 53.492 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 161021

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	52.2	41.8	62.6



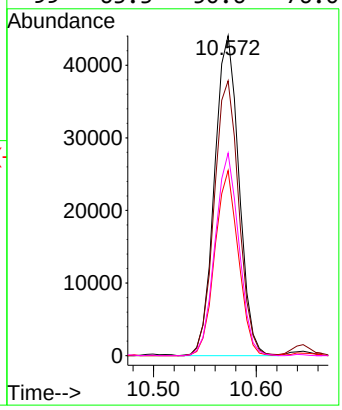


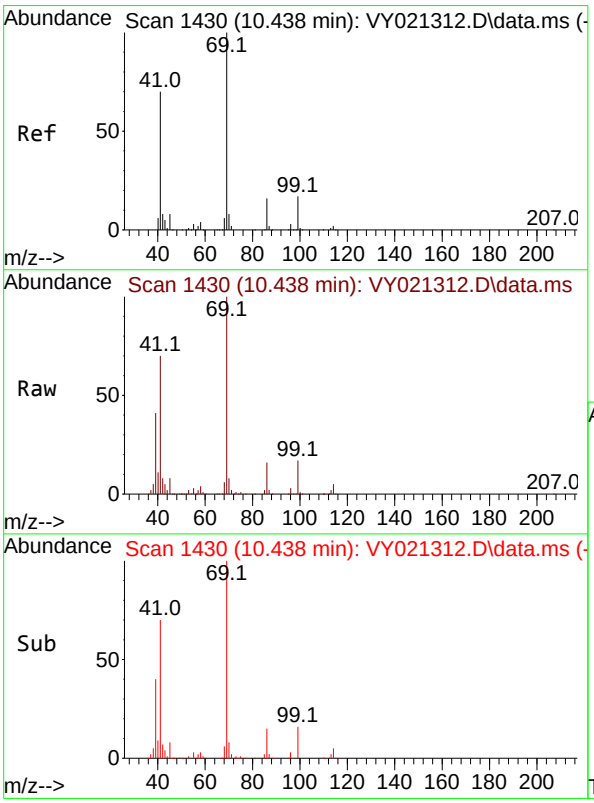
#55
1,1,2-Trichloroethane
Concen: 53.481 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 72720

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	57.9	46.3	69.5
99	63.3	50.6	76.0

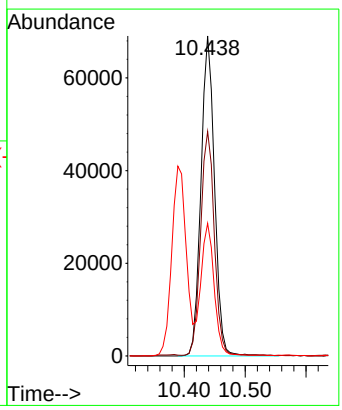


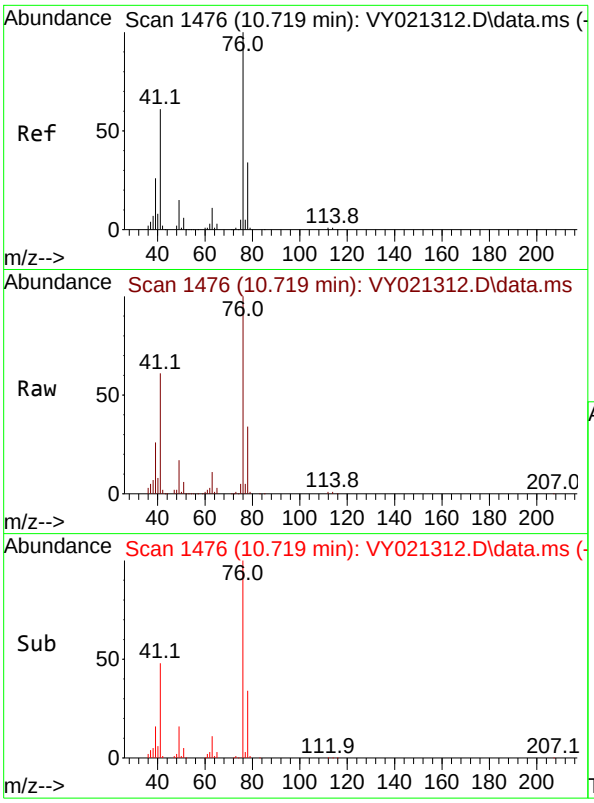


#56
Ethyl methacrylate
Concen: 56.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 69 Resp: 106914

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.9	32.7	49.1



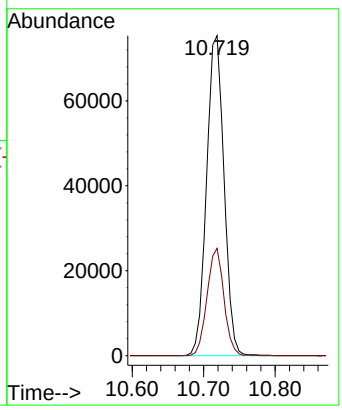


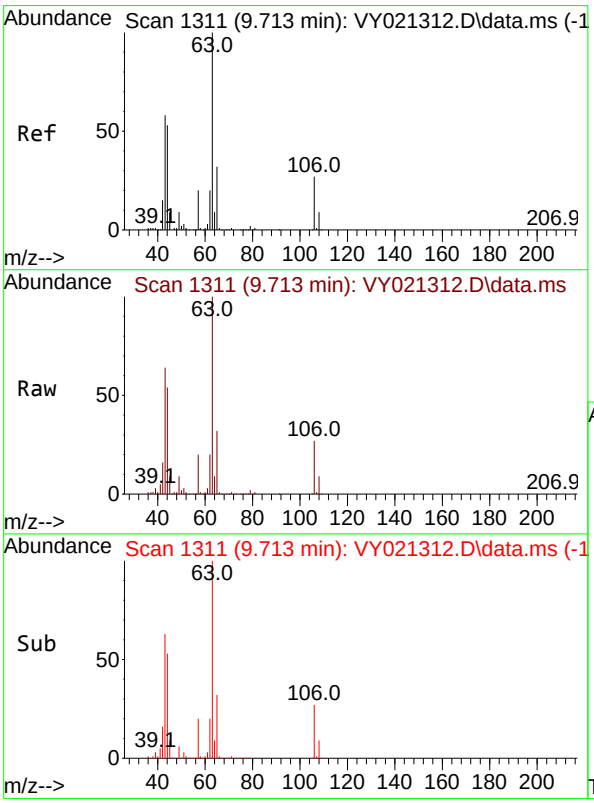
#57
1,3-Dichloropropane
Concen: 53.559 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 127795

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

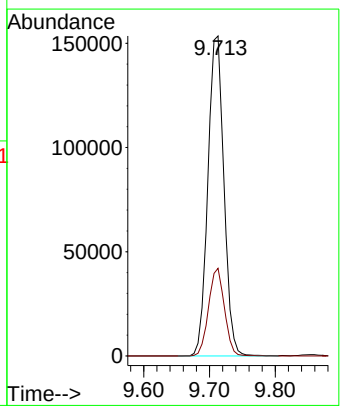


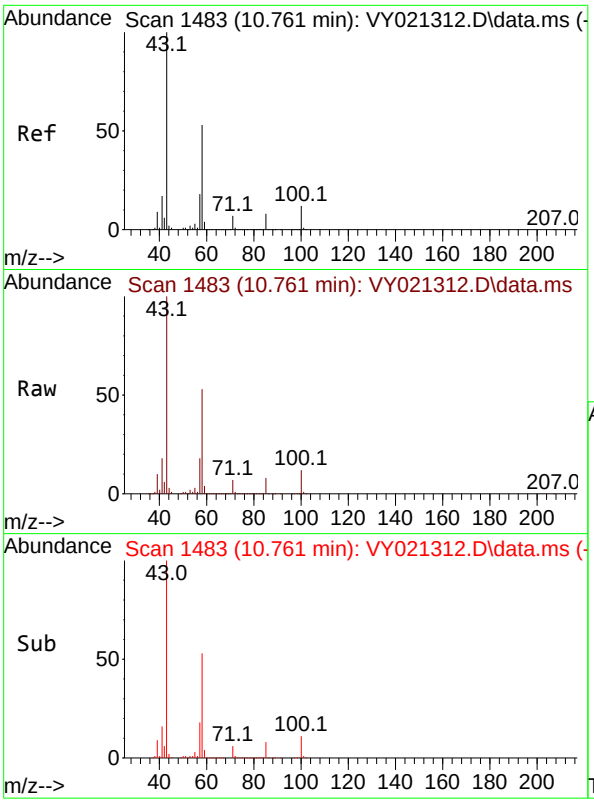


#58
2-Chloroethyl Vinyl ether
Concen: 289.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 260718

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5



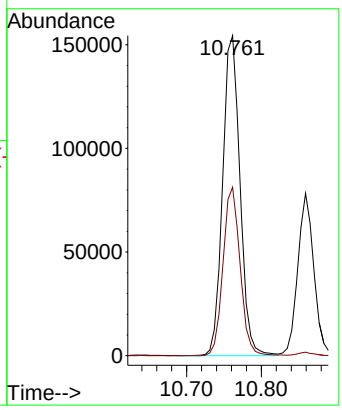


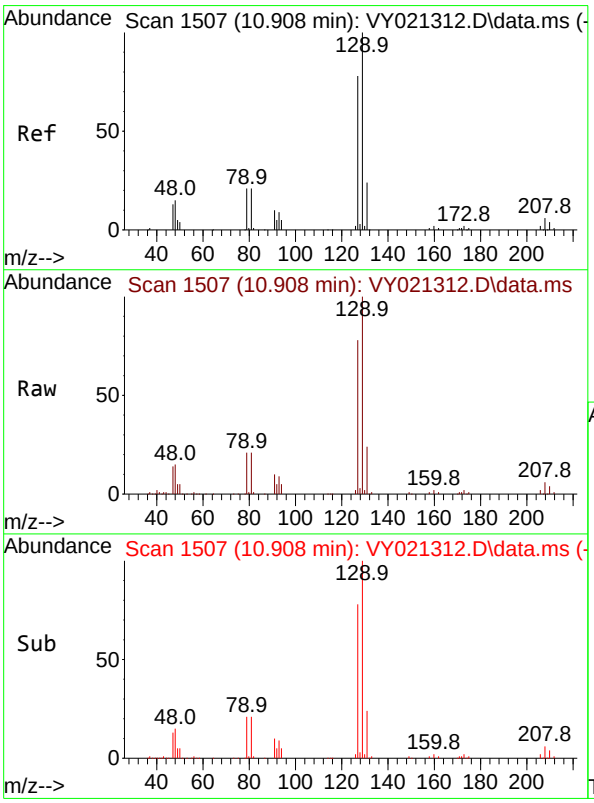
#59
2-Hexanone
Concen: 287.258 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 249578

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

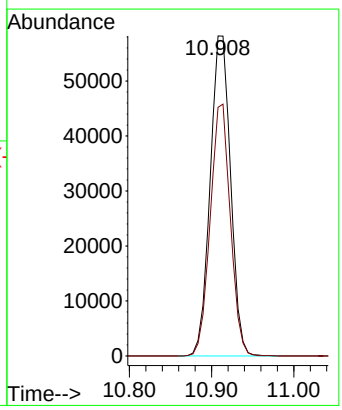


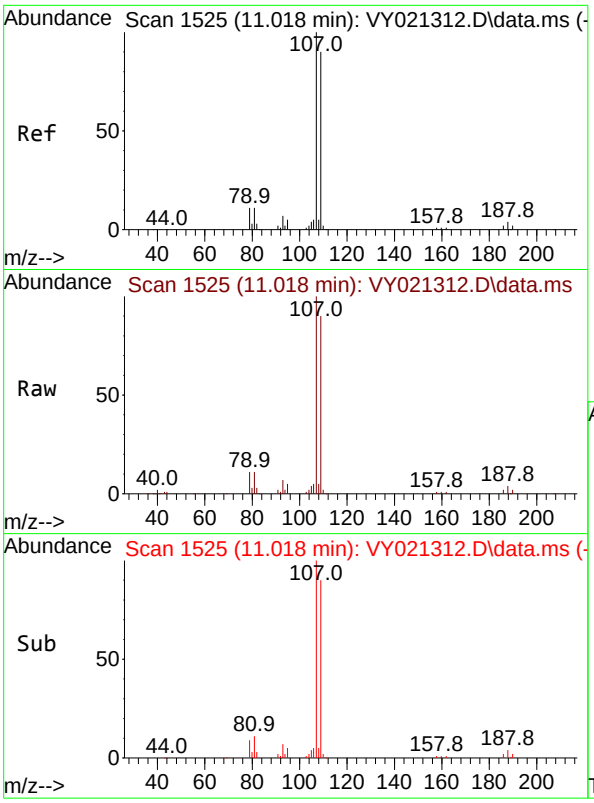


#60
Dibromochloromethane
Concen: 54.134 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:129 Resp: 100250

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4



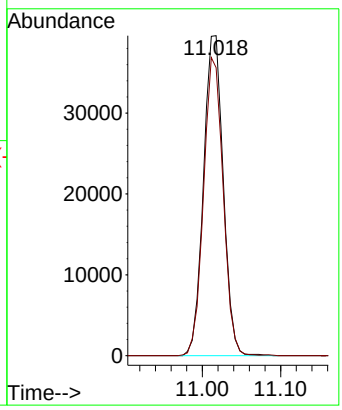


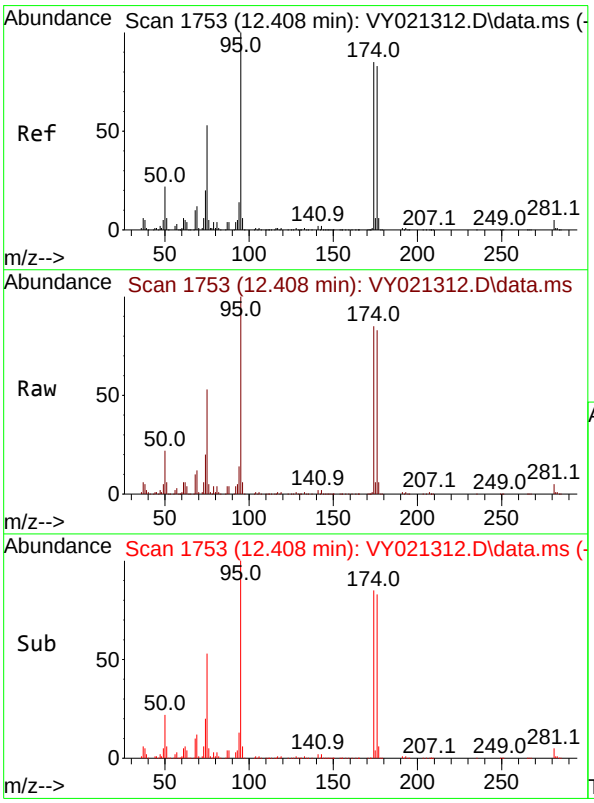
#61
1,2-Dibromoethane
Concen: 53.783 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 69236

Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.8	110.8

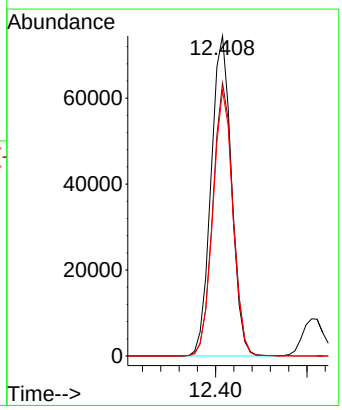


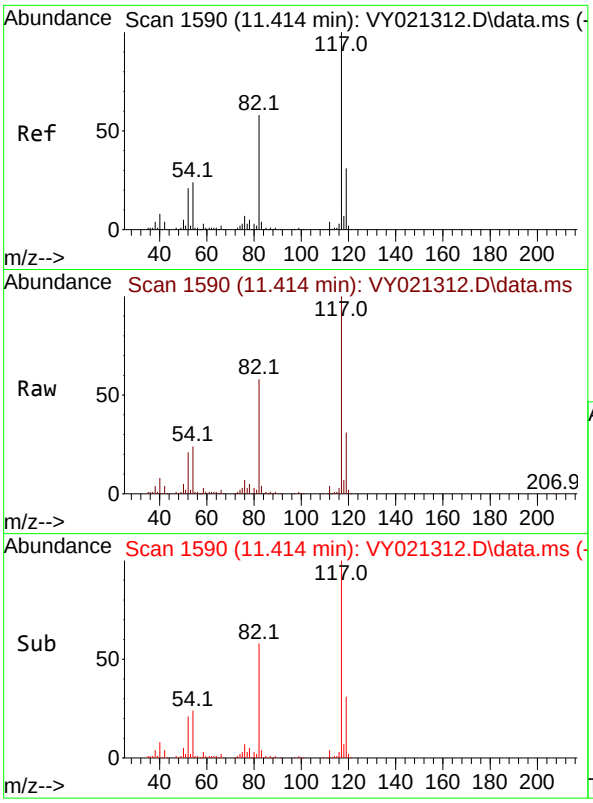


#62
4-Bromofluorobenzene
Concen: 49.652 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 95 Resp: 115401

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	168.0
176	81.3	0.0	162.6



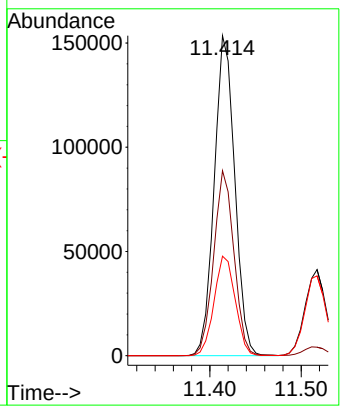


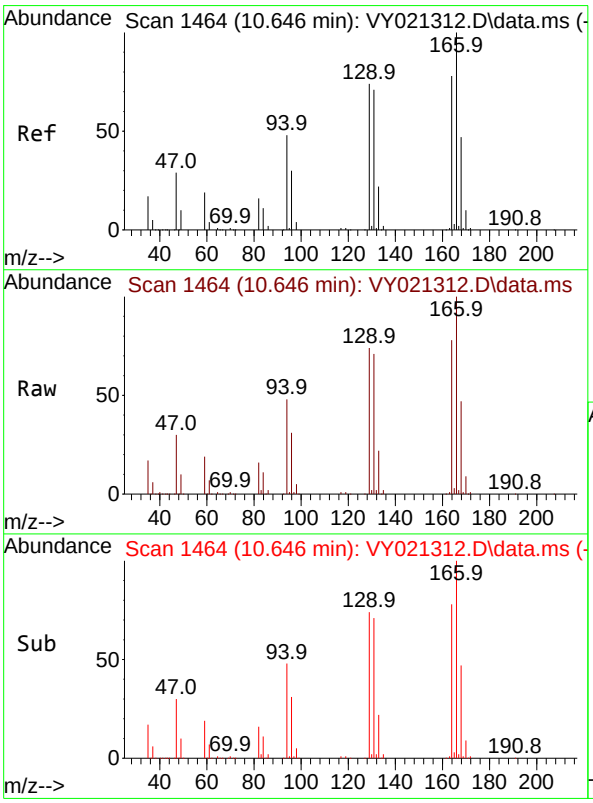
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 239724

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.1	24.9	37.3

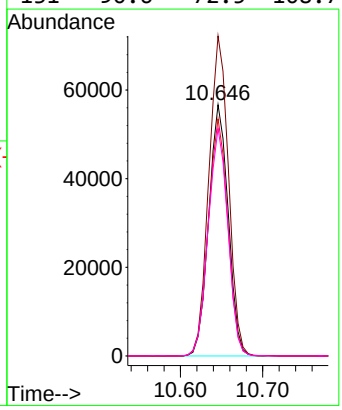


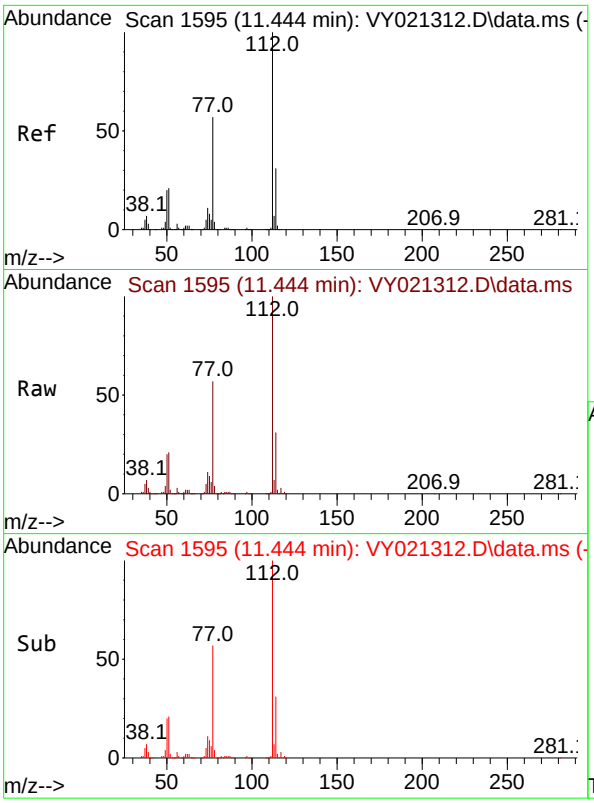


#64
Tetrachloroethene
Concen: 51.501 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:164 Resp: 93317

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	94.4	75.5	113.3
131	90.6	72.5	108.7



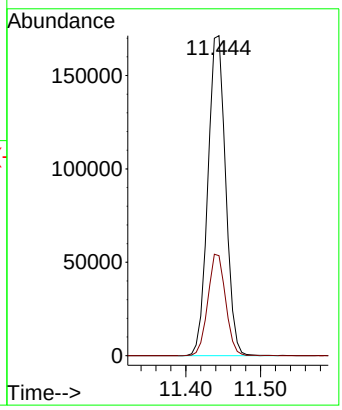


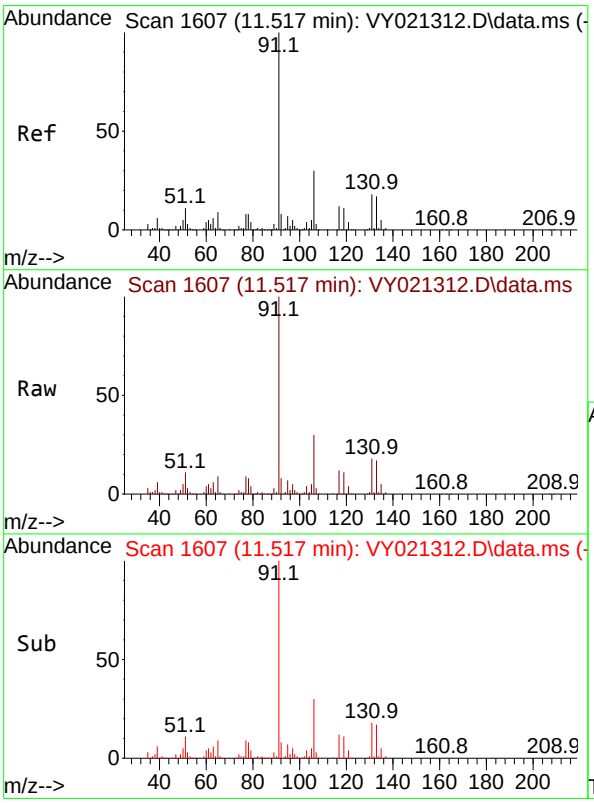
#65
Chlorobenzene
Concen: 52.390 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 281918

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

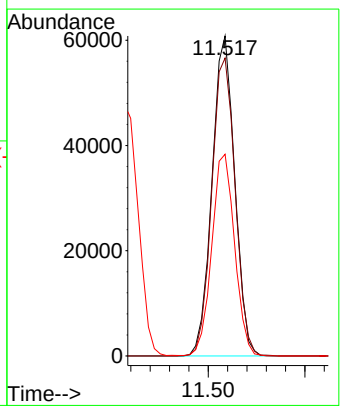


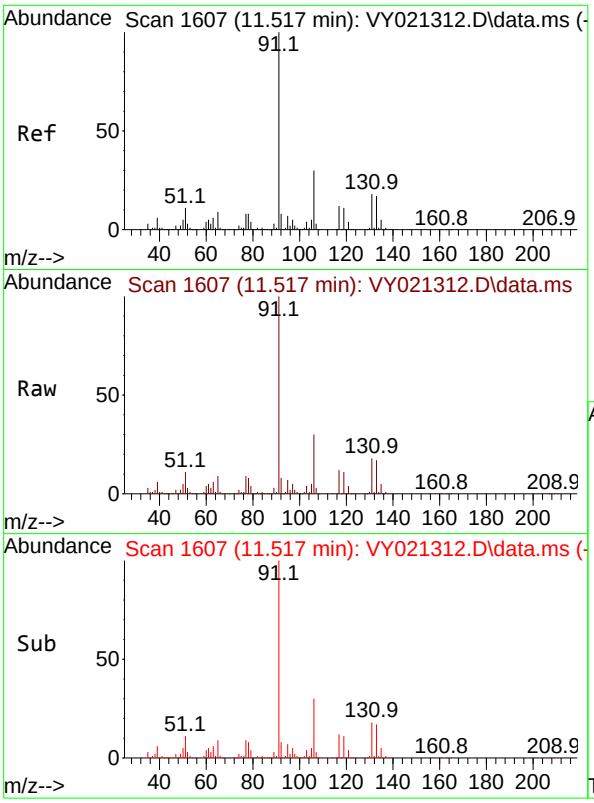


#66
1,1,1,2-Tetrachloroethane
Concen: 52.611 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:131 Resp: 99131

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	63.4	31.7	95.1



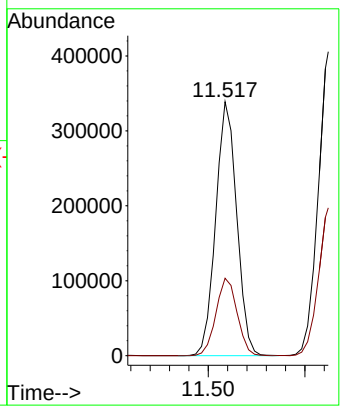


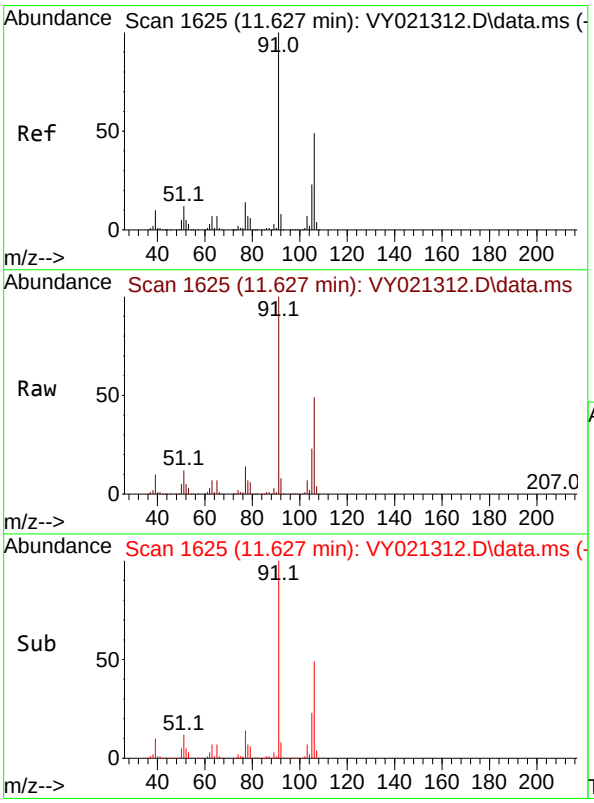
#67
Ethyl Benzene
Concen: 53.573 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 510639

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6

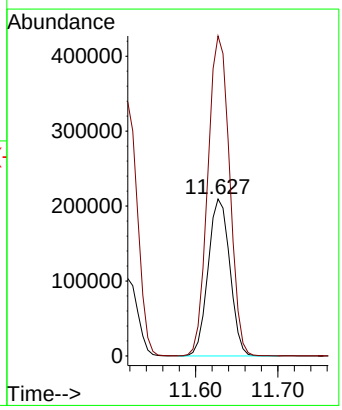


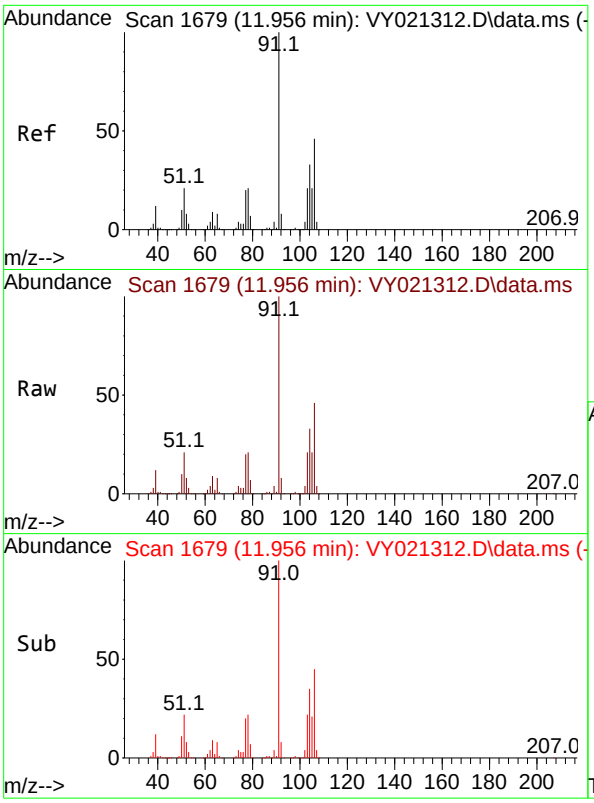


#68
m/p-Xylenes
Concen: 107.204 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 384346

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9



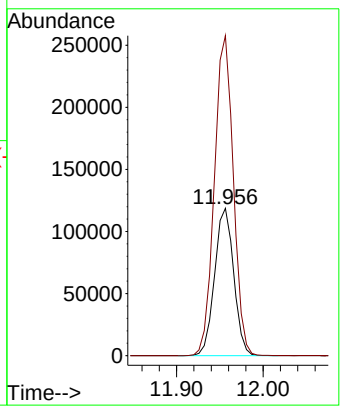


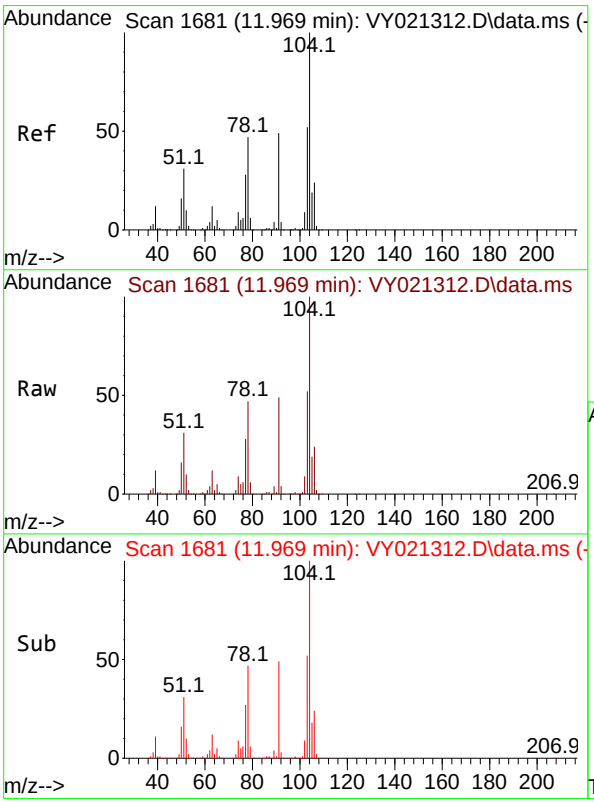
#69
o-Xylene
Concen: 54.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 181728

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

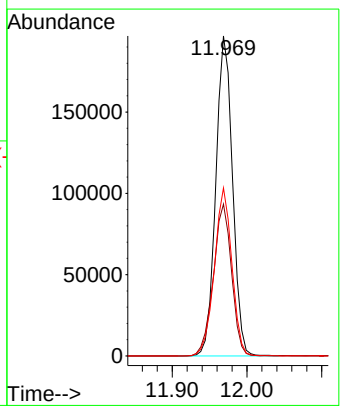


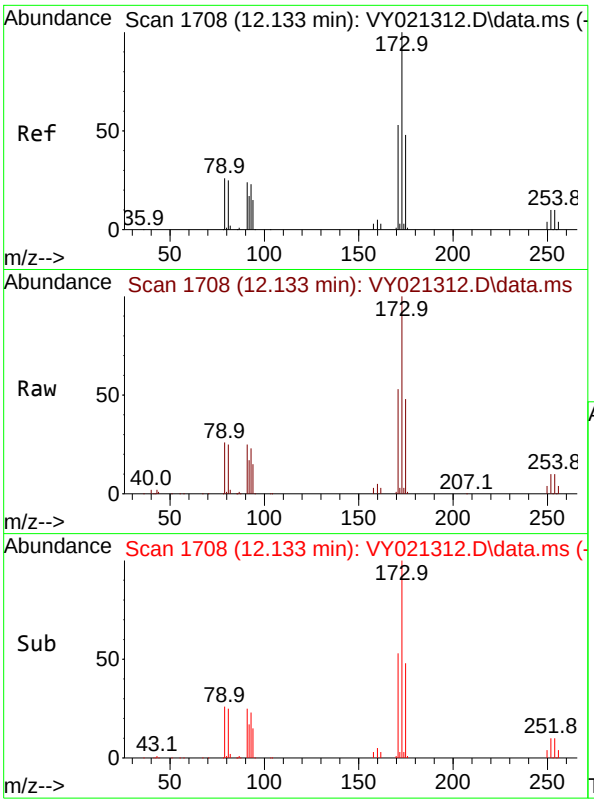


#70
Styrene
Concen: 54.760 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:104 Resp: 306007

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	54.9	43.9	65.9



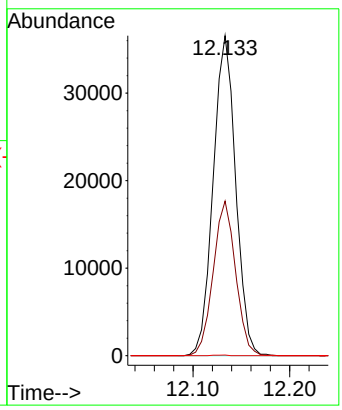


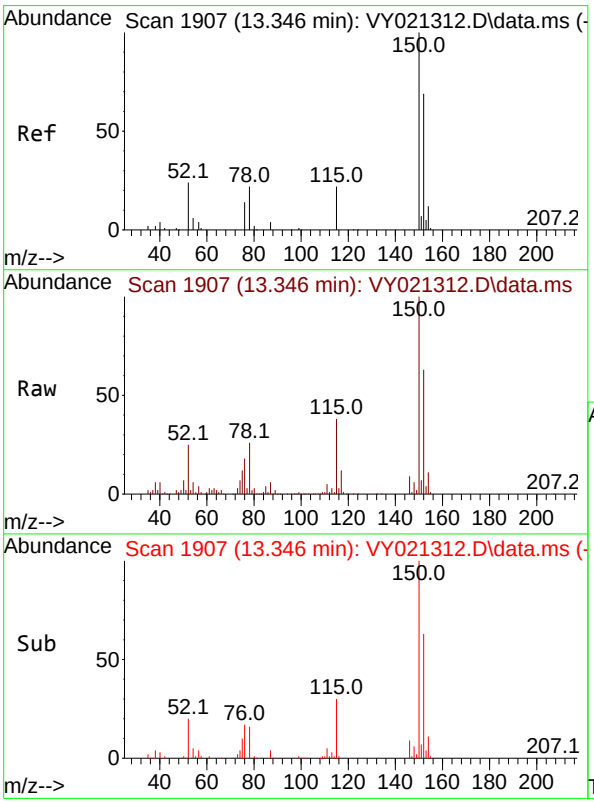
#71
Bromoform
Concen: 54.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 58860

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.1	0.1	0.1

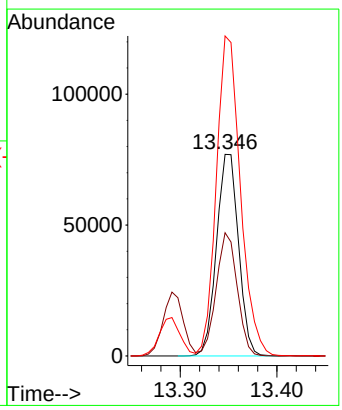


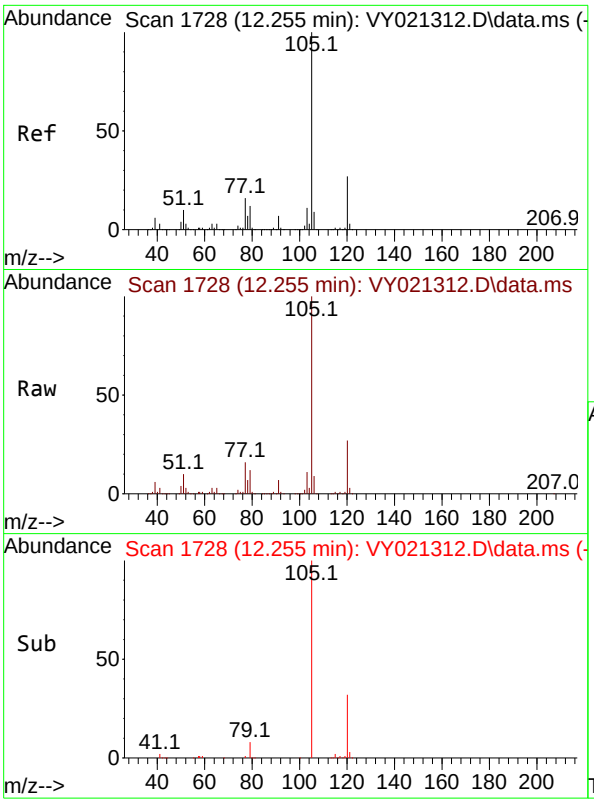


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:152 Resp: 121718

Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	173.7	0.0	347.4



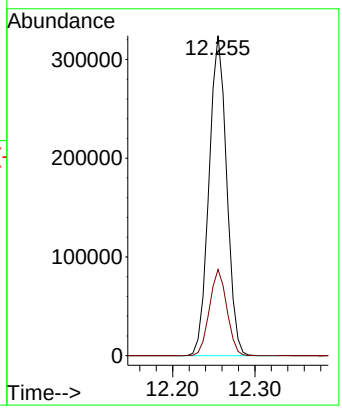


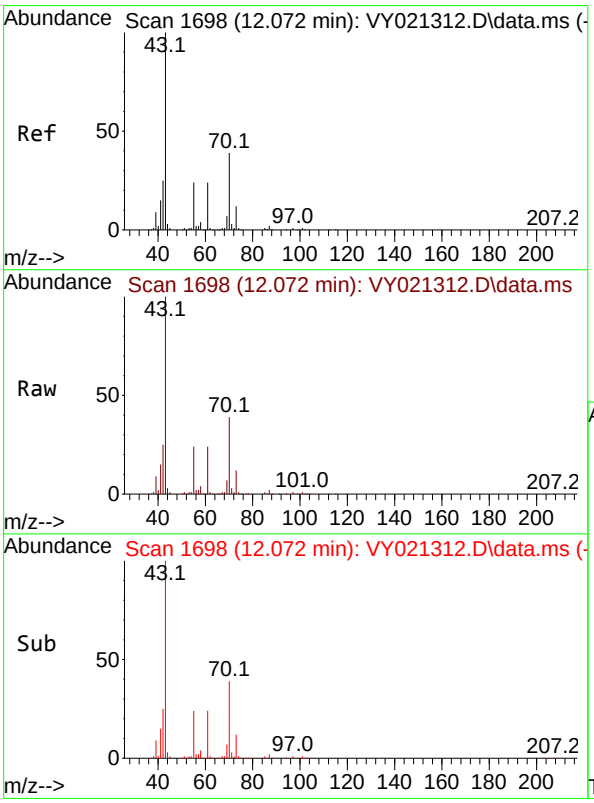
#73
Isopropylbenzene
Concen: 52.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 483937

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

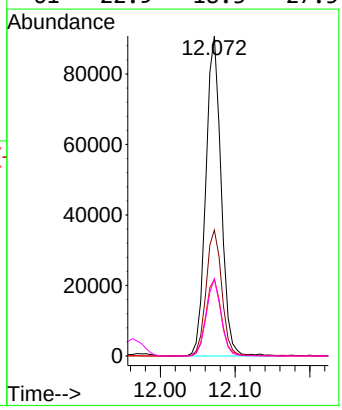


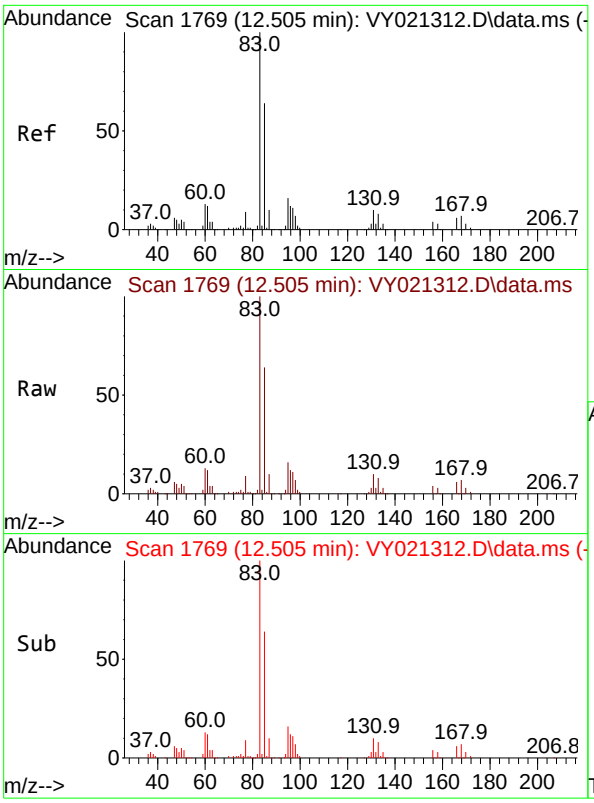


#74
N-amyl acetate
Concen: 55.471 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 129020

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.5	19.6	29.4
61	22.9	18.3	27.5



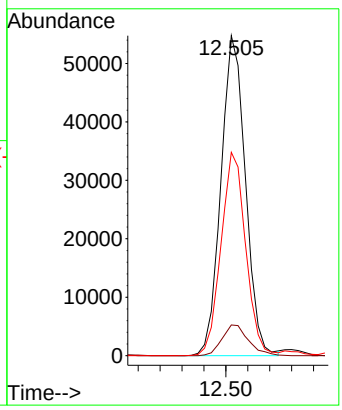


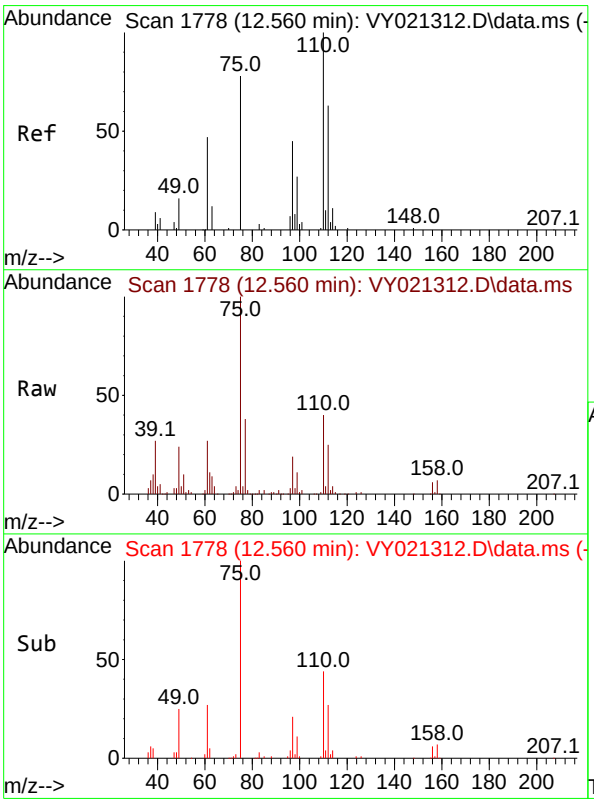
#75
1,1,2,2-Tetrachloroethane
Concen: 52.566 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 84893

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.0	32.0	96.0

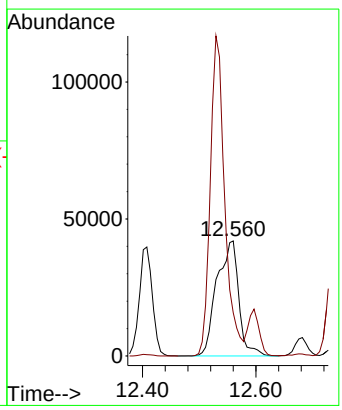


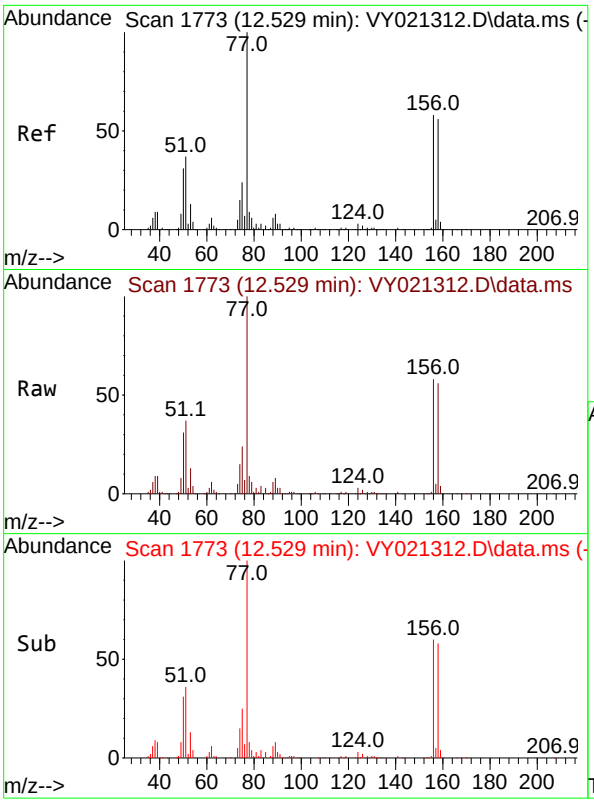


#76
1,2,3-Trichloropropane
Concen: 91.951 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 112709

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



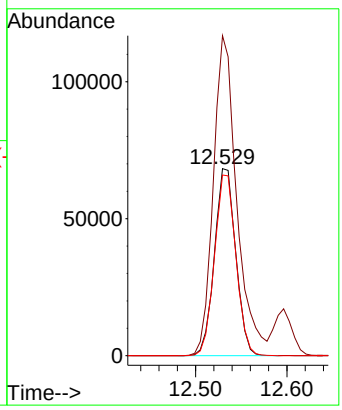


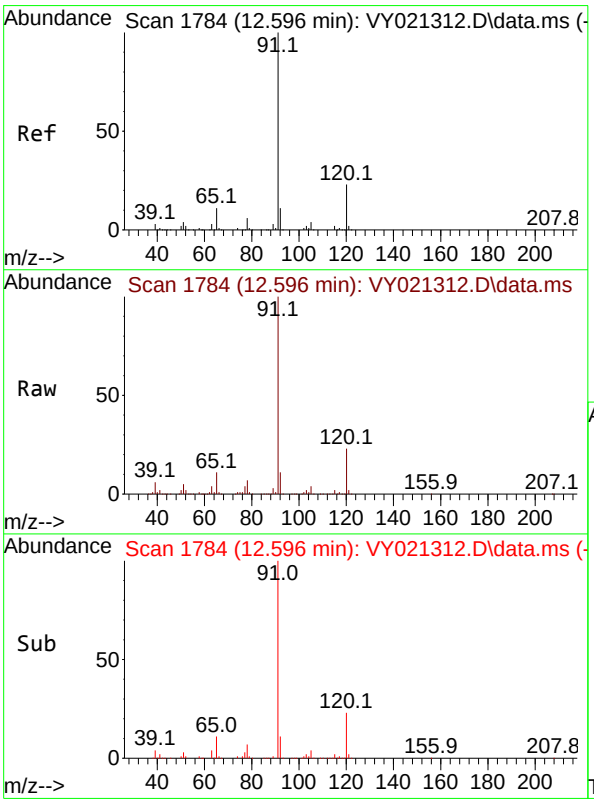
#77
Bromobenzene
Concen: 51.935 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 110538

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	97.4	48.7	146.1

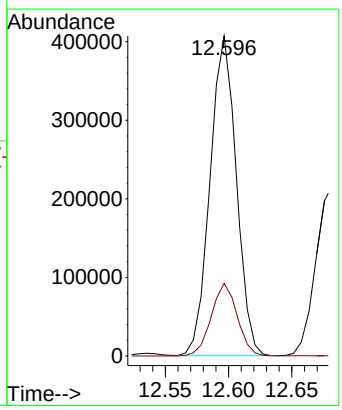


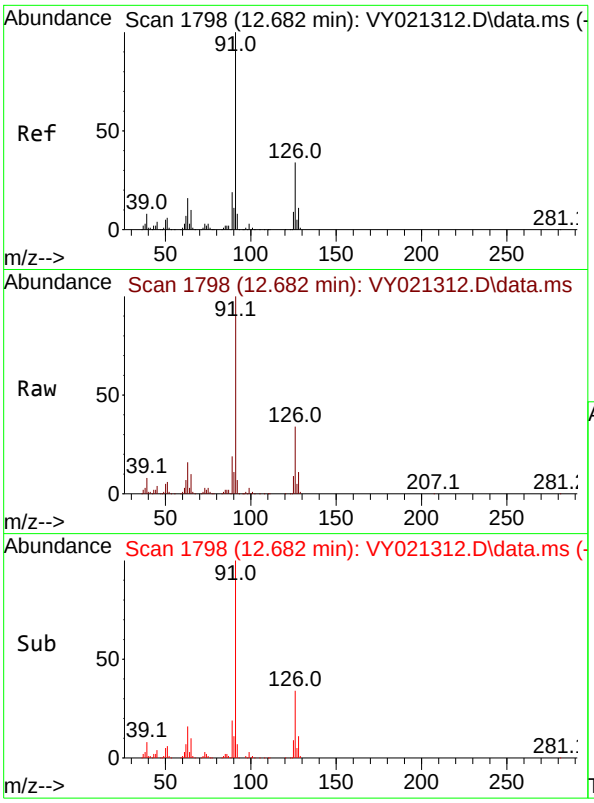


#78
n-propylbenzene
Concen: 52.946 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 587915

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



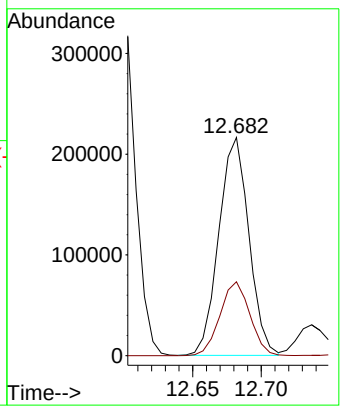


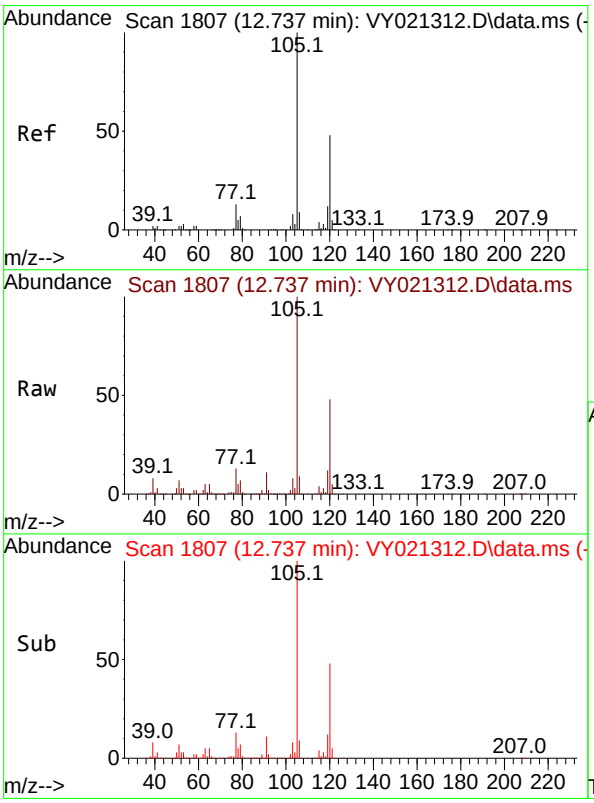
#79
2-Chlorotoluene
Concen: 51.857 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 330472

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

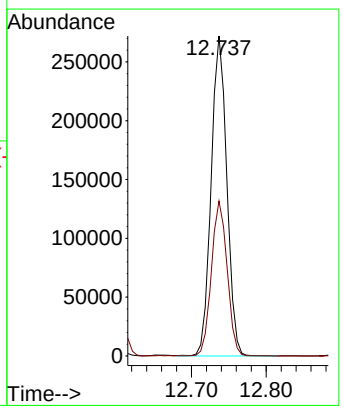


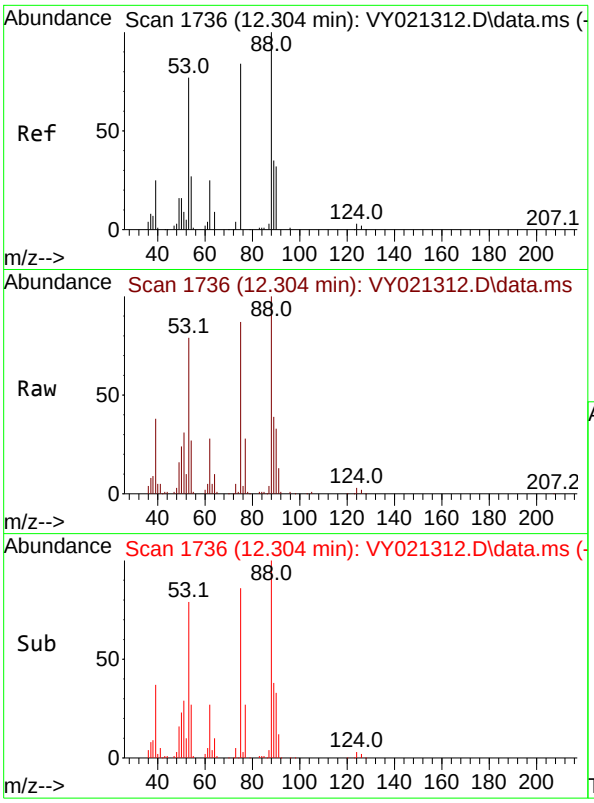


#80
1,3,5-Trimethylbenzene
Concen: 52.712 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395609

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0



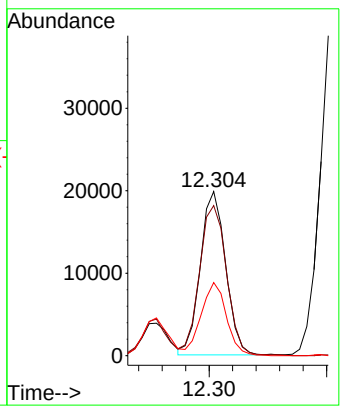


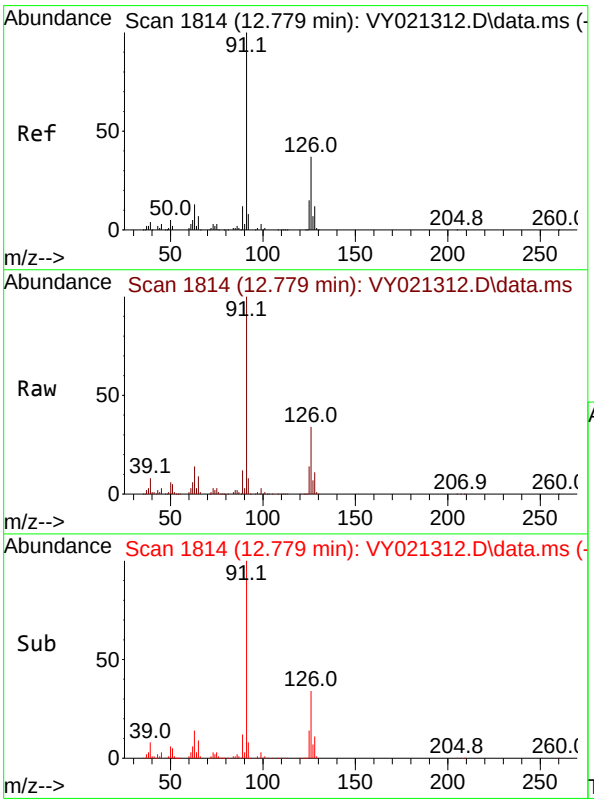
#81
trans-1,4-Dichloro-2-butene
Concen: 54.090 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 29649

Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.1	118.7
89	44.5	35.6	53.4

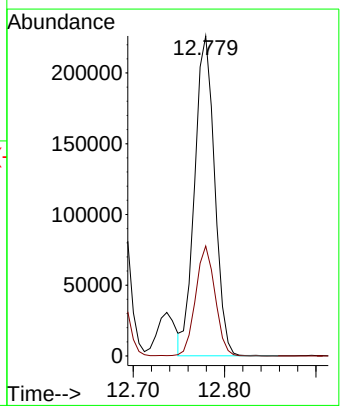


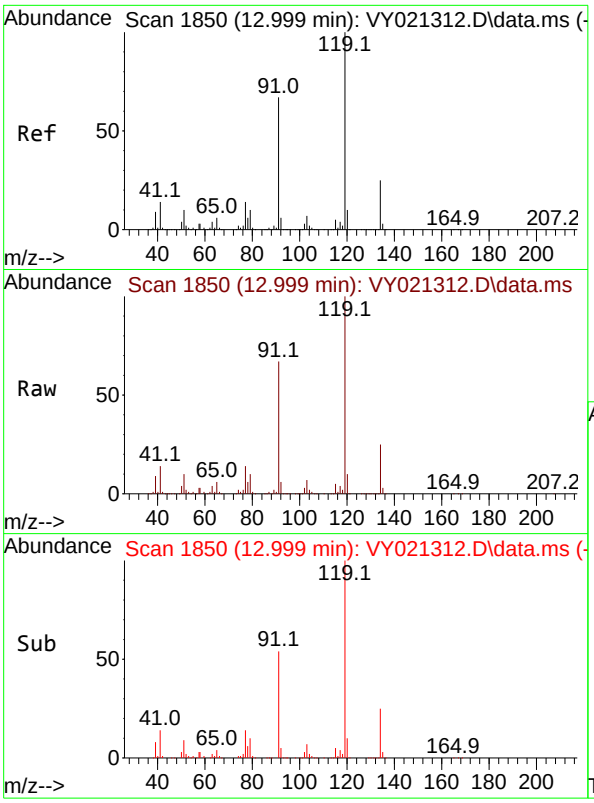


#82
4-Chlorotoluene
Concen: 51.864 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 342611

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



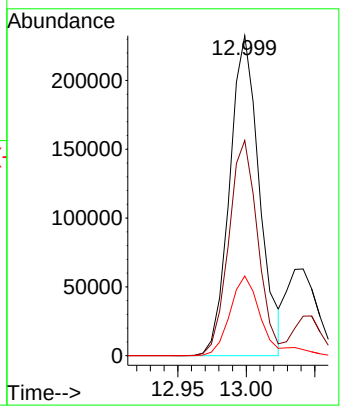


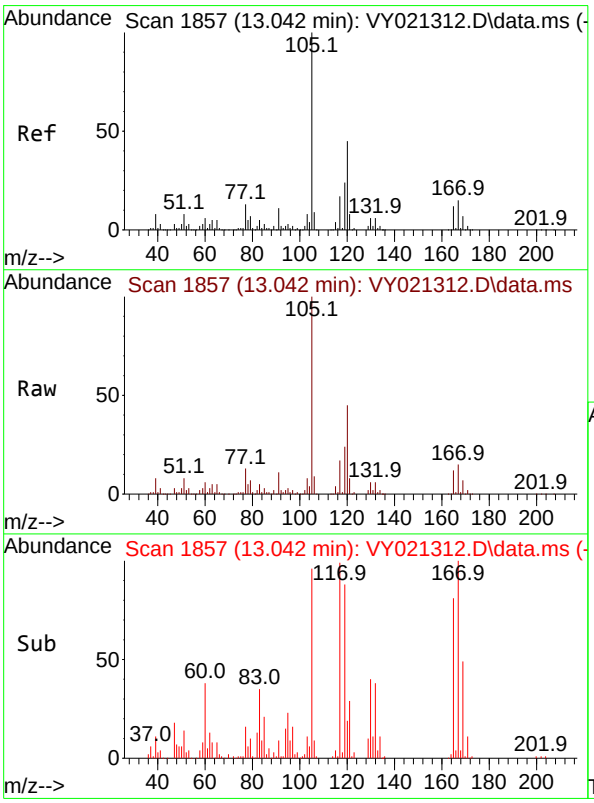
#83
tert-Butylbenzene
Concen: 51.930 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 352055

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.7	98.1
134	26.6	13.3	39.9

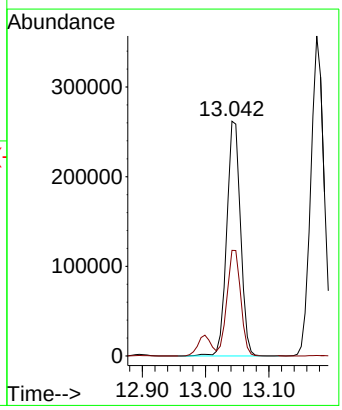


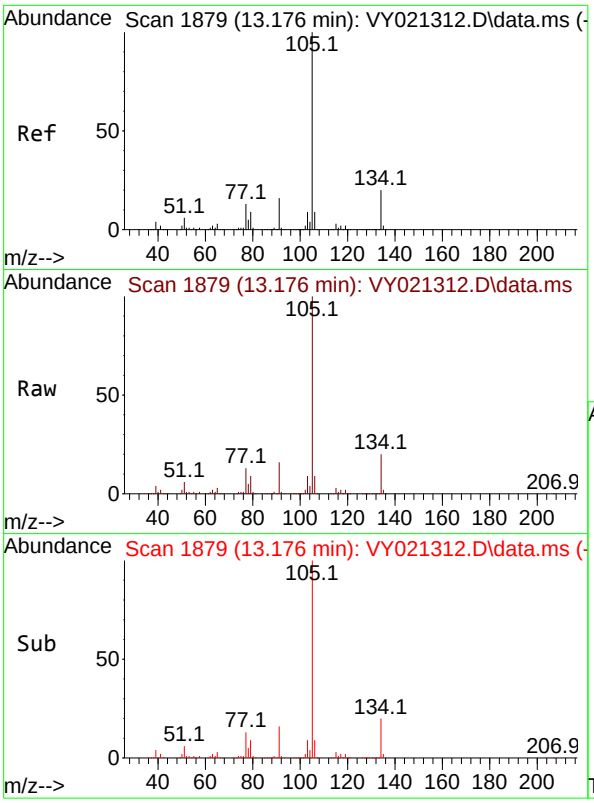


#84
1,2,4-Trimethylbenzene
Concen: 52.962 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395315

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3



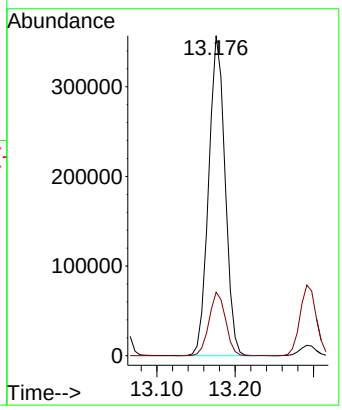


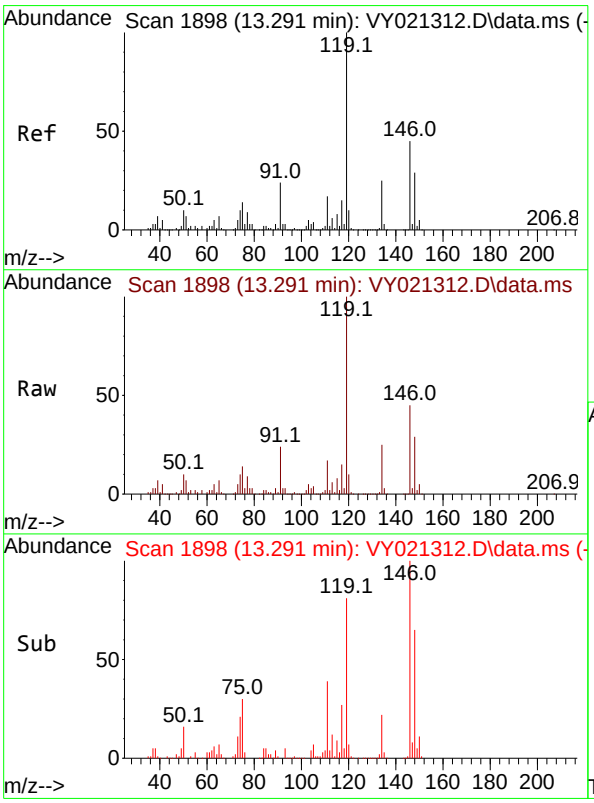
#85
sec-Butylbenzene
Concen: 52.319 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 518094

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

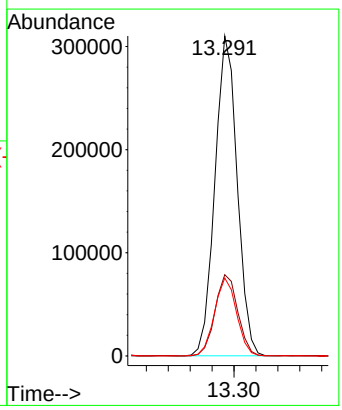


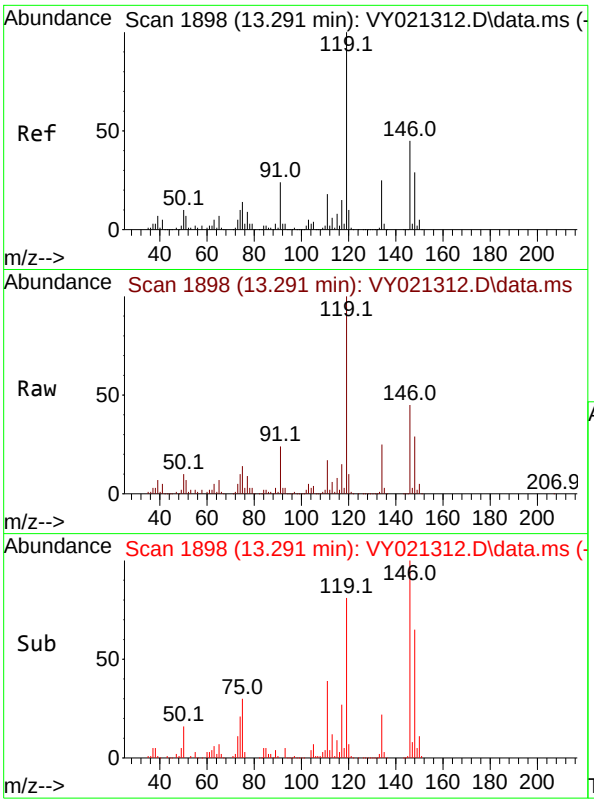


#86
p-Isopropyltoluene
Concen: 52.884 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 437283

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.1	12.0	36.1



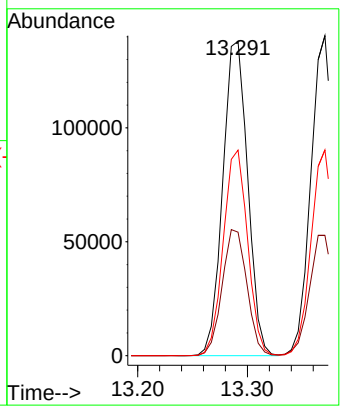


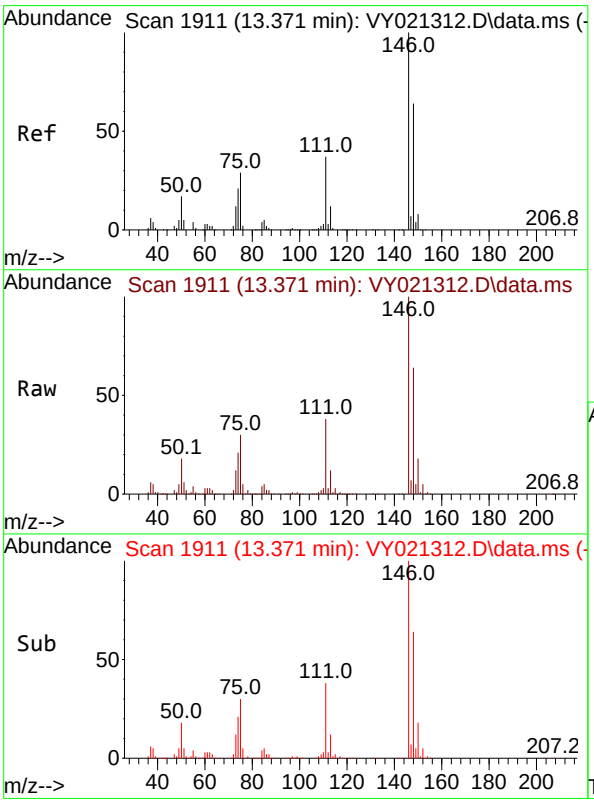
#87
1,3-Dichlorobenzene
Concen: 51.811 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 218136

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.9	31.9	95.9

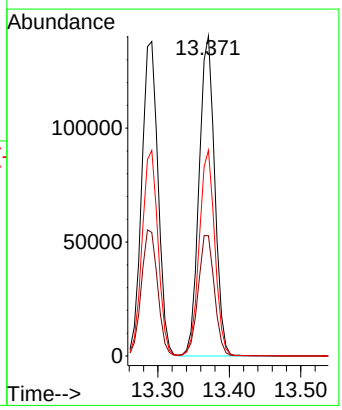


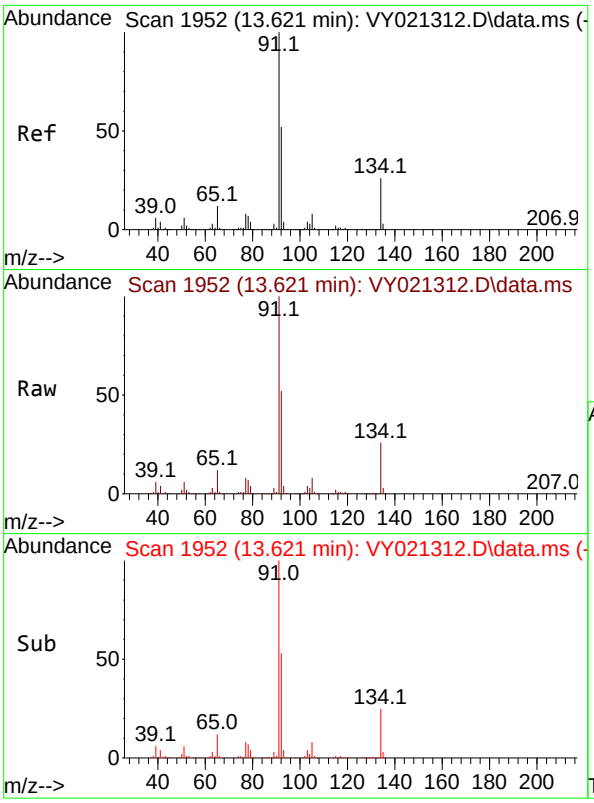


#88
1,4-Dichlorobenzene
Concen: 51.233 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 213090

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.1	32.0	96.2



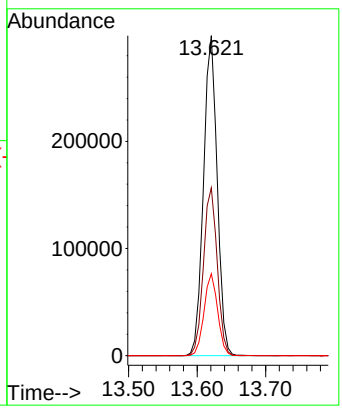


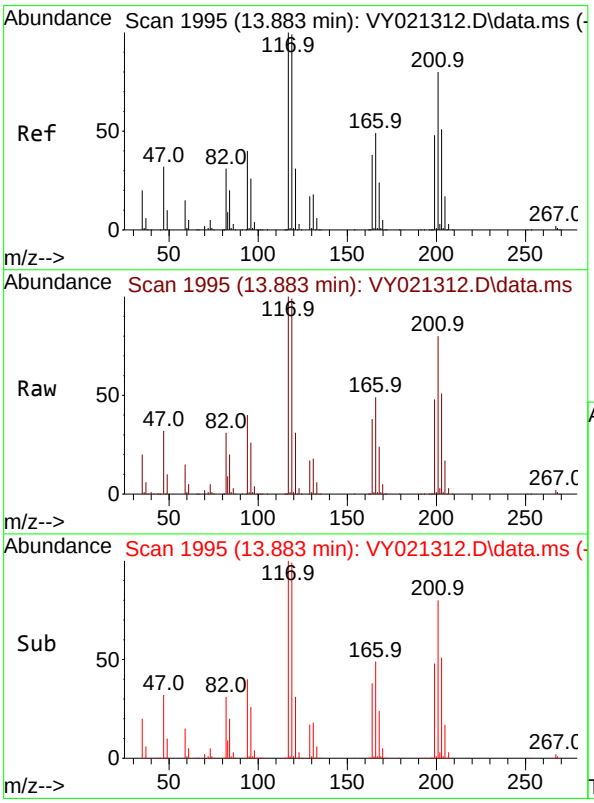
#89
n-Butylbenzene
Concen: 53.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 416377

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.3	12.7	38.0

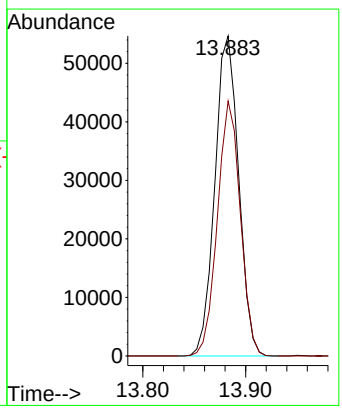


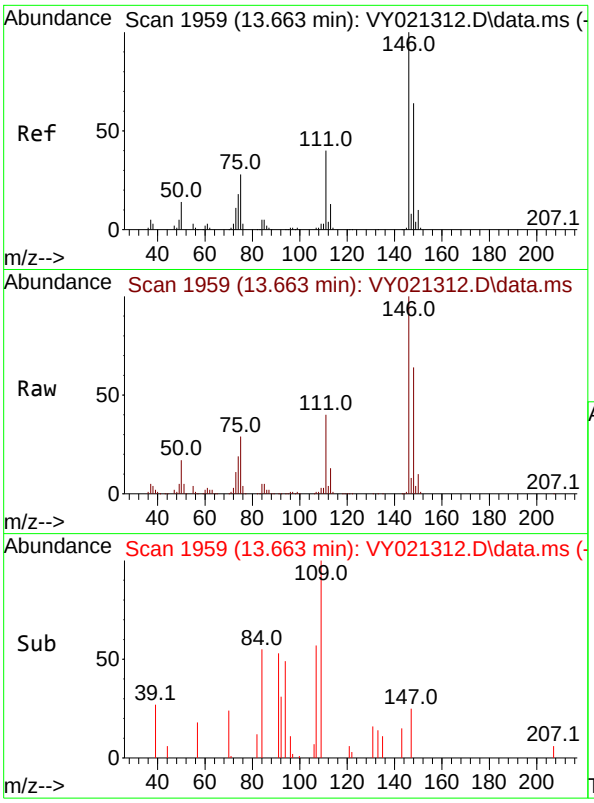


#90
Hexachloroethane
Concen: 50.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 87765

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2



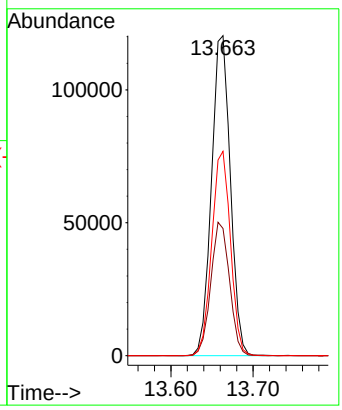


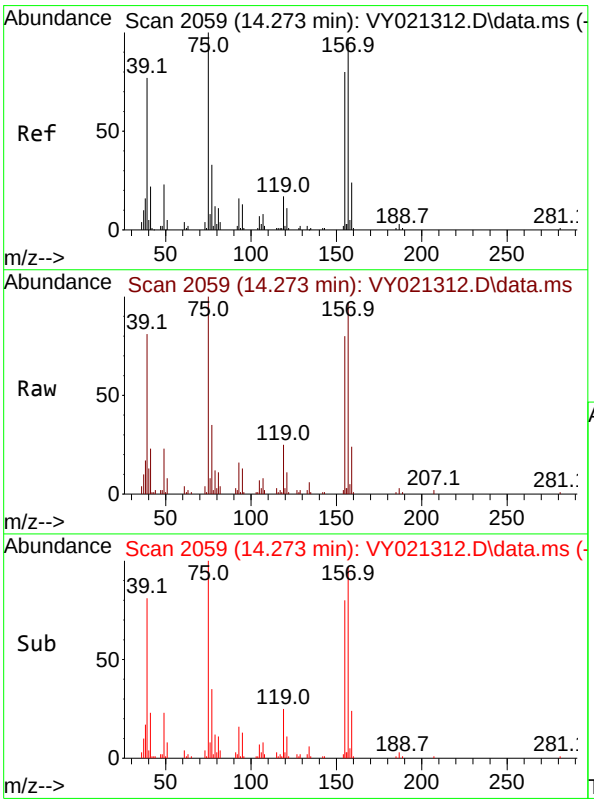
#91
1,2-Dichlorobenzene
Concen: 51.985 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 191758

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.4	31.7	95.1

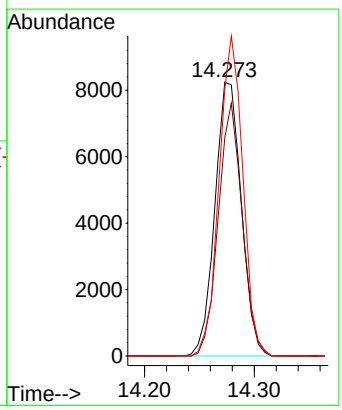


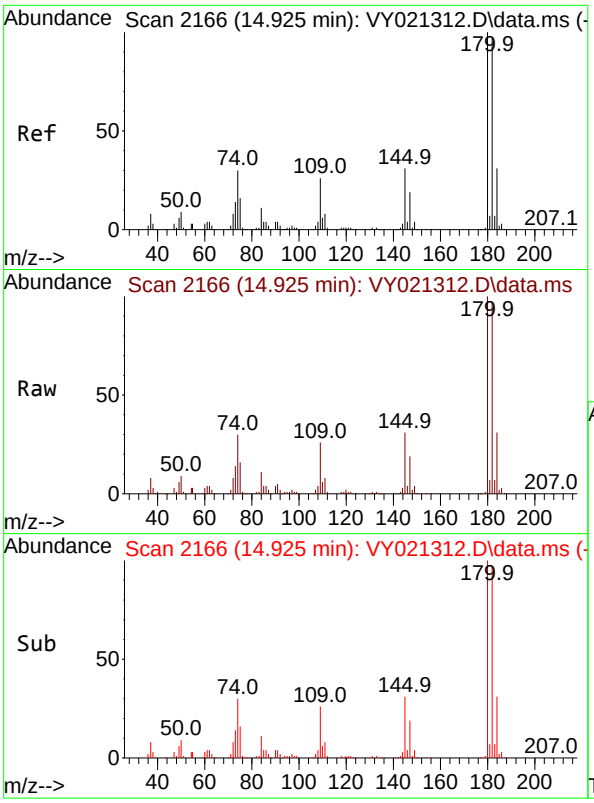


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.947 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 13782

Ion	Ratio	Lower	Upper
75	100		
155	83.7	41.9	125.6
157	105.1	52.5	157.6



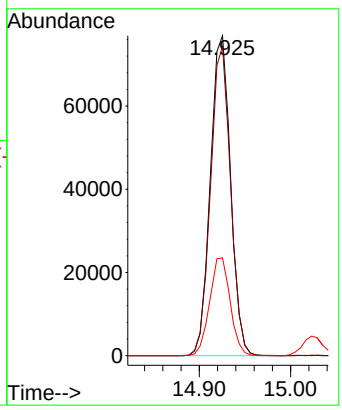


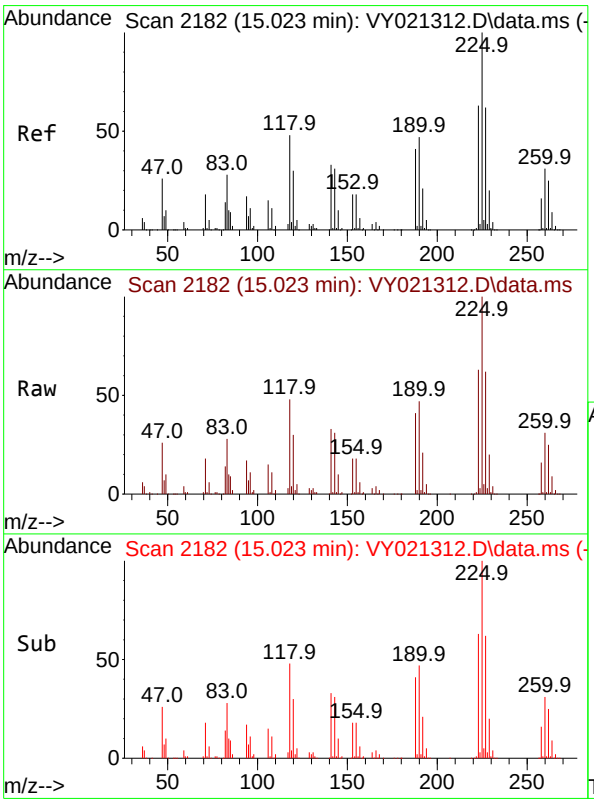
#93
1,2,4-Trichlorobenzene
Concen: 52.360 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 117882

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.2	15.6	46.8

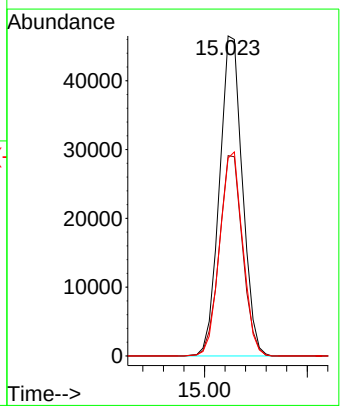


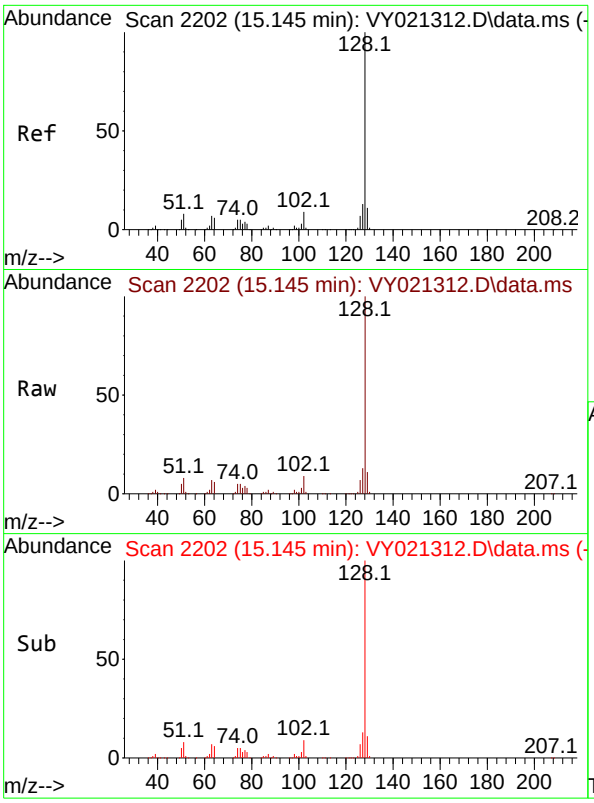


#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:225 Resp: 71915

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	95.4
227	63.8	31.9	95.7



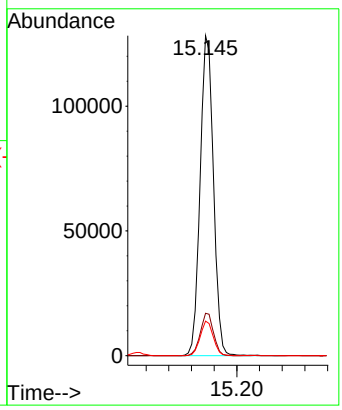


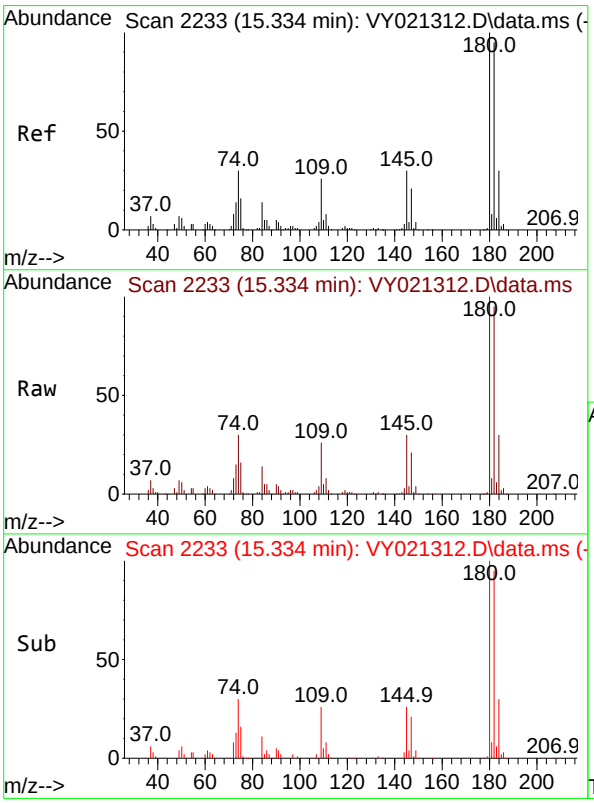
#95
Naphthalene
Concen: 56.174 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 209478

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.6	8.5	12.7

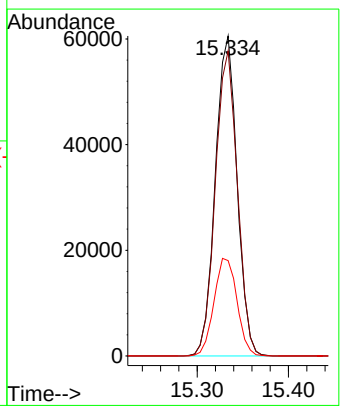




#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 100312

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	32.2	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	180458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	283003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306215	149.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 299.160%#			
35) Dibromofluoromethane	7.634	113	283537	152.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.640%#			
50) Toluene-d8	10.103	98	1094820	152.682	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.360%#			
62) 4-Bromofluorobenzene	12.401	95	369071	152.937	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	259643	151.753	ug/l	99
3) Chloromethane	2.068	50	323414	146.365	ug/l	99
4) Vinyl Chloride	2.202	62	328290	151.368	ug/l	97
5) Bromomethane	2.580	94	200754	139.293	ug/l	100
6) Chloroethane	2.726	64	197463	146.820	ug/l	97
7) Trichlorofluoromethane	3.056	101	492238	150.283	ug/l	98
8) Diethyl Ether	3.452	74	154649	157.312	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	293114	154.570	ug/l	99
10) Methyl Iodide	4.000	142	338246	169.542	ug/l	99
11) Tert butyl alcohol	4.860	59	106628	677.165	ug/l	99
12) 1,1-Dichloroethene	3.787	96	280431	154.445	ug/l	98
13) Acrolein	3.647	56	17213	142.652	ug/l	96
14) Allyl chloride	4.378	41	507854	157.755	ug/l	98
15) Acrylonitrile	5.055	53	344988	793.713	ug/l	99
16) Acetone	3.860	43	280172	713.470	ug/l	97
17) Carbon Disulfide	4.104	76	908476	150.676	ug/l	99
18) Methyl Acetate	4.378	43	149226	155.496	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	763596	159.172	ug/l	100
20) Methylene Chloride	4.610	84	296032	139.409	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	308627	154.401	ug/l	98
22) Diisopropyl ether	6.018	45	1028788	154.433	ug/l	96
23) Vinyl Acetate	5.957	43	3191401	801.685	ug/l	99
24) 1,1-Dichloroethane	5.915	63	572832	152.564	ug/l	98
25) 2-Butanone	6.890	43	462541	780.449	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515178	151.214	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	354979	155.519	ug/l	99
28) Bromochloromethane	7.244	49	251245	151.227	ug/l	99
29) Tetrahydrofuran	7.256	42	309130	797.978	ug/l	99
30) Chloroform	7.421	83	574920	151.112	ug/l	100
31) Cyclohexane	7.695	56	525636	145.637	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	529792	152.986	ug/l	99
36) 1,1-Dichloropropene	7.835	75	429157	153.985	ug/l	100
37) Ethyl Acetate	6.982	43	216920	156.470	ug/l	100
38) Carbon Tetrachloride	7.817	117	481774	153.764	ug/l	99
39) Methylcyclohexane	9.103	83	563132	159.752	ug/l	97
40) Benzene	8.079	78	1249573	151.673	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	123663	159.542	ug/l		95
42) 1,2-Dichloroethane	8.152	62	355374	152.036	ug/l		99
43) Isopropyl Acetate	8.195	43	433742	161.641	ug/l		98
44) Trichloroethene	8.865	130	318590	154.457	ug/l		99
45) 1,2-Dichloropropane	9.140	63	302967	152.809	ug/l		99
46) Dibromomethane	9.231	93	168654	155.620	ug/l		99
47) Bromodichloromethane	9.420	83	448398	155.172	ug/l		99
48) Methyl methacrylate	9.219	41	213222	169.923	ug/l		100
49) 1,4-Dioxane	9.225	88	38142	3165.209	ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	1121500	816.471	ug/l		100
52) Toluene	10.170	92	794485	155.232	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	432560	163.384	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	493601	157.928	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	215312	152.506	ug/l		98
56) Ethyl methacrylate	10.438	69	337816	173.168	ug/l		99
57) 1,3-Dichloropropane	10.713	76	385803	155.726	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	761125	812.859	ug/l		100
59) 2-Hexanone	10.755	43	754575	836.458	ug/l		98
60) Dibromochloromethane	10.908	129	299188	155.598	ug/l		99
61) 1,2-Dibromoethane	11.011	107	208046	155.651	ug/l		99
64) Tetrachloroethene	10.646	164	288026	153.351	ug/l		98
65) Chlorobenzene	11.438	112	863676	154.837	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	301244	154.234	ug/l		100
67) Ethyl Benzene	11.517	91	1576743	159.586	ug/l		100
68) m/p-Xylenes	11.627	106	1167839	314.246	ug/l		100
69) o-Xylene	11.950	106	550972	158.258	ug/l		99
70) Styrene	11.969	104	936967	161.754	ug/l		100
71) Bromoform	12.133	173	175918	157.441	ug/l	#	99
73) Isopropylbenzene	12.255	105	1461905	159.969	ug/l		99
74) N-amyl acetate	12.066	43	403238	173.596	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	251216	155.759	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	339496	277.334	ug/l	#	100
77) Bromobenzene	12.529	156	333772	157.025	ug/l		99
78) n-propylbenzene	12.597	91	1765636	159.217	ug/l		100
79) 2-Chlorotoluene	12.682	91	995452	156.411	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1190462	158.830	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	92910	169.722	ug/l		98
82) 4-Chlorotoluene	12.779	91	1021811	154.883	ug/l		100
83) tert-Butylbenzene	12.999	119	1094125	161.602	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1192062	159.915	ug/l		99
85) sec-Butylbenzene	13.176	105	1558540	157.594	ug/l		100
86) p-Isopropyltoluene	13.291	119	1327819	160.795	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	648204	154.161	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	635981	153.109	ug/l		100
89) n-Butylbenzene	13.615	91	1269399	163.350	ug/l		99
90) Hexachloroethane	13.877	117	275368	159.641	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	570360	154.826	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	42060	164.851	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	384163	170.860	ug/l		99
94) Hexachlorobutadiene	15.023	225	224602	158.670	ug/l		99
95) Naphthalene	15.145	128	694625	186.517	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	326876	172.067	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

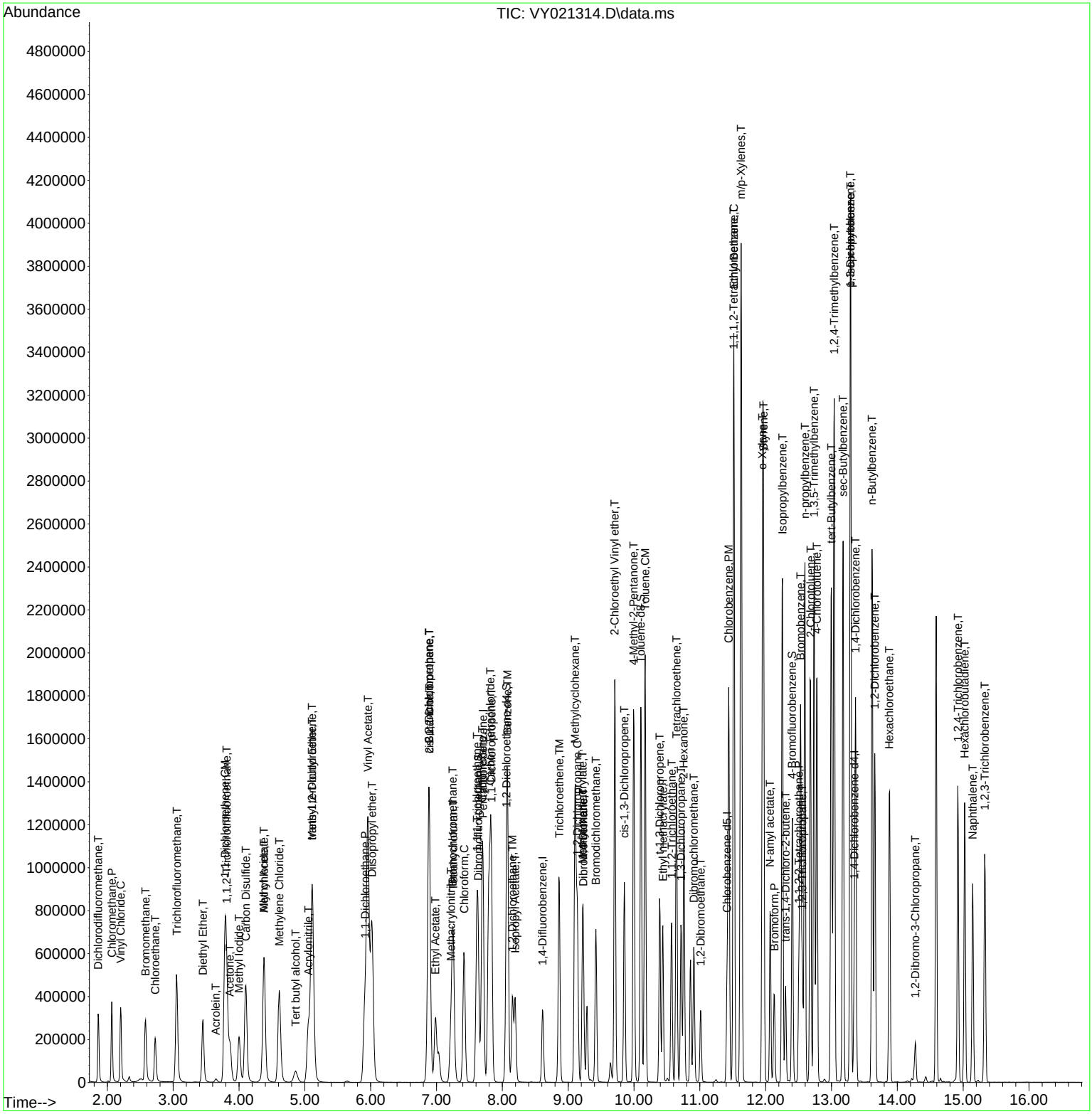
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

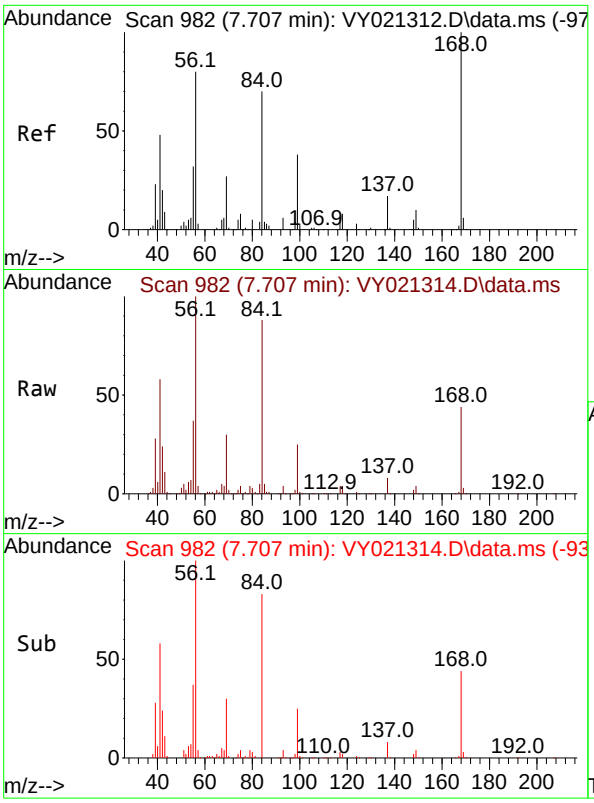
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



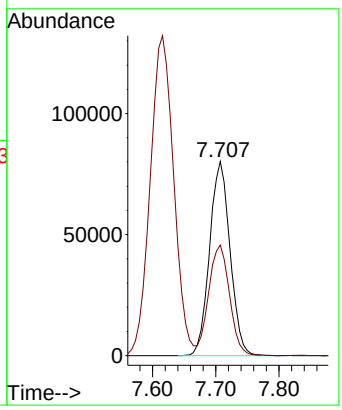


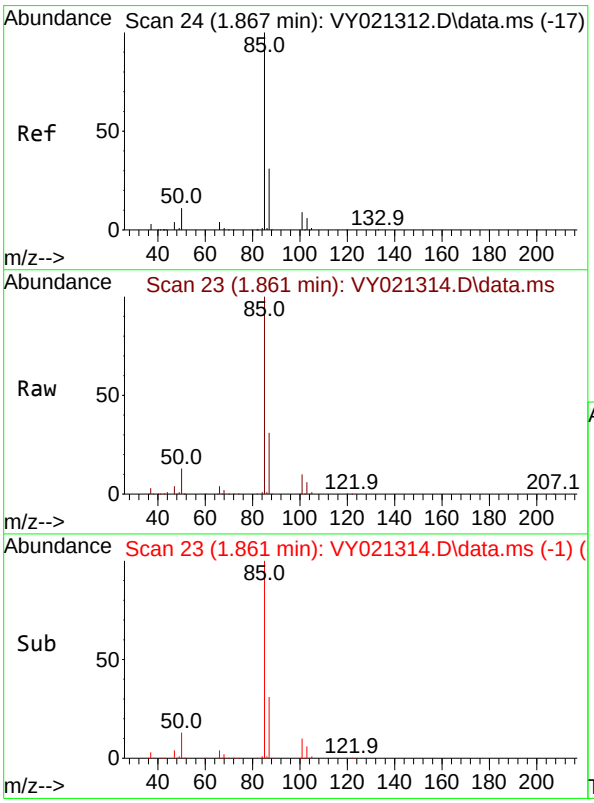
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 180458

Ion	Ratio	Lower	Upper
168	100		
99	57.0	47.1	70.7

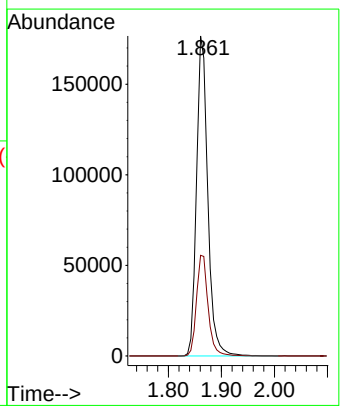


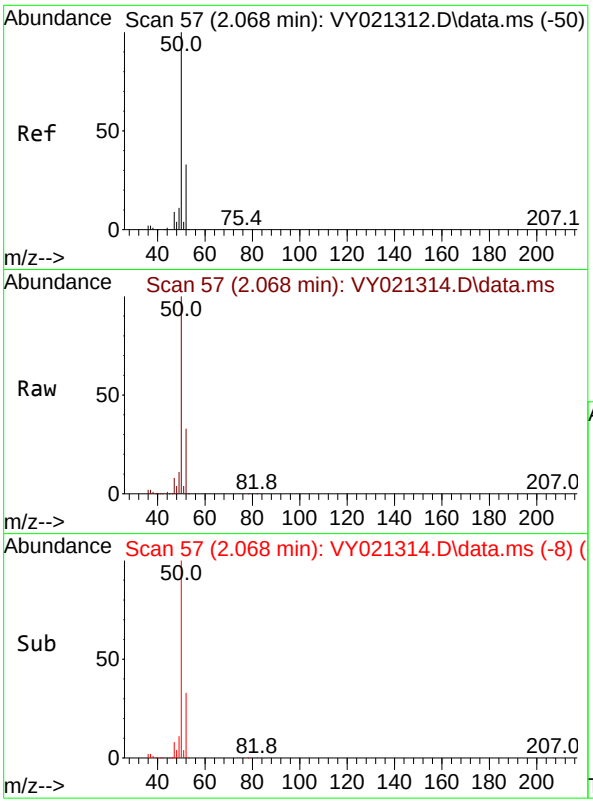


#2
Dichlorodifluoromethane
Concen: 151.753 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 85 Resp: 259643

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4



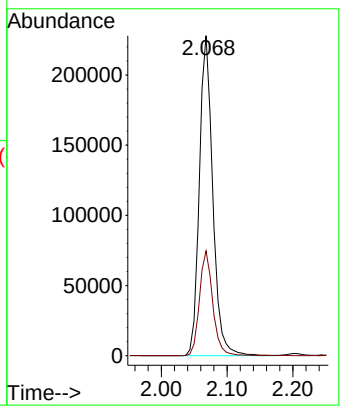


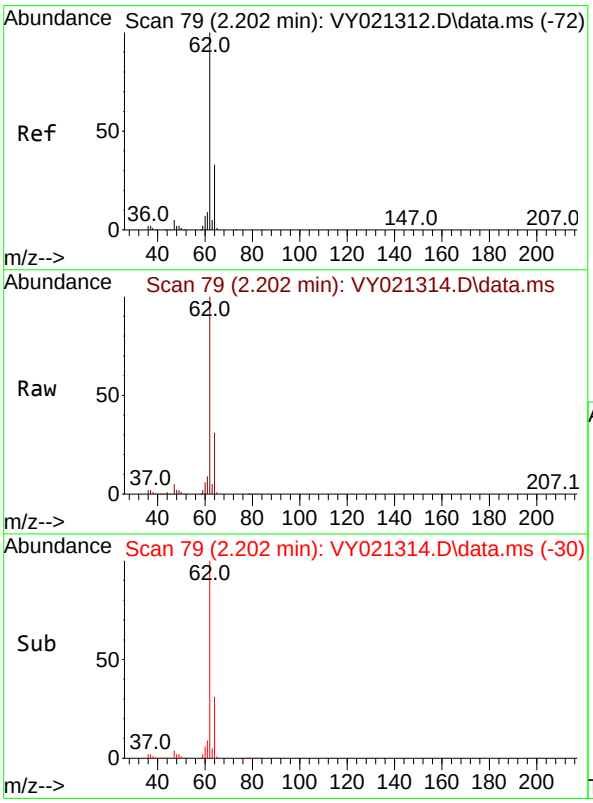
#3
Chloromethane
Concen: 146.365 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 323414

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	40.0

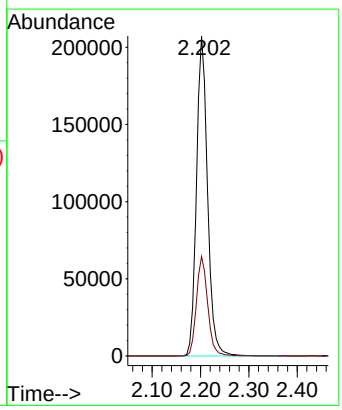


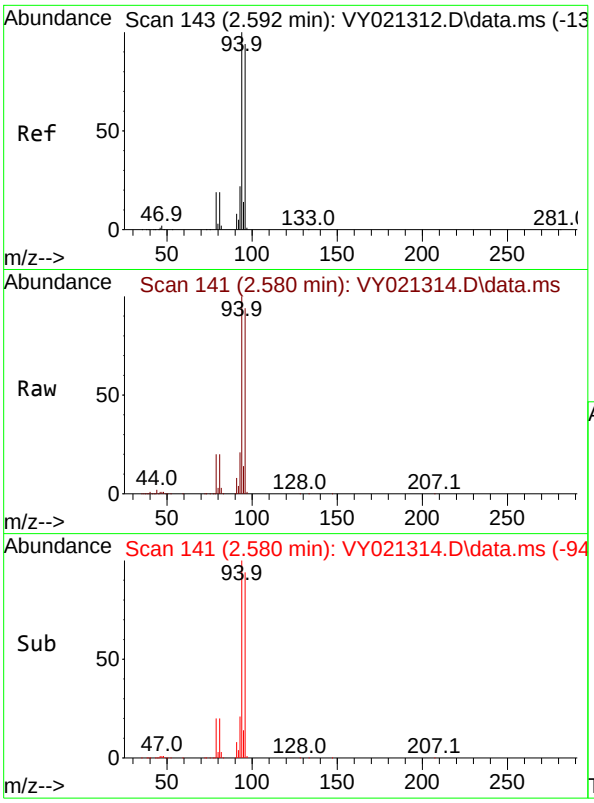


#4
Vinyl Chloride
Concen: 151.368 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 328290

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.3	39.5



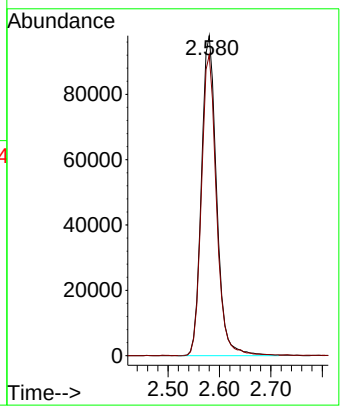


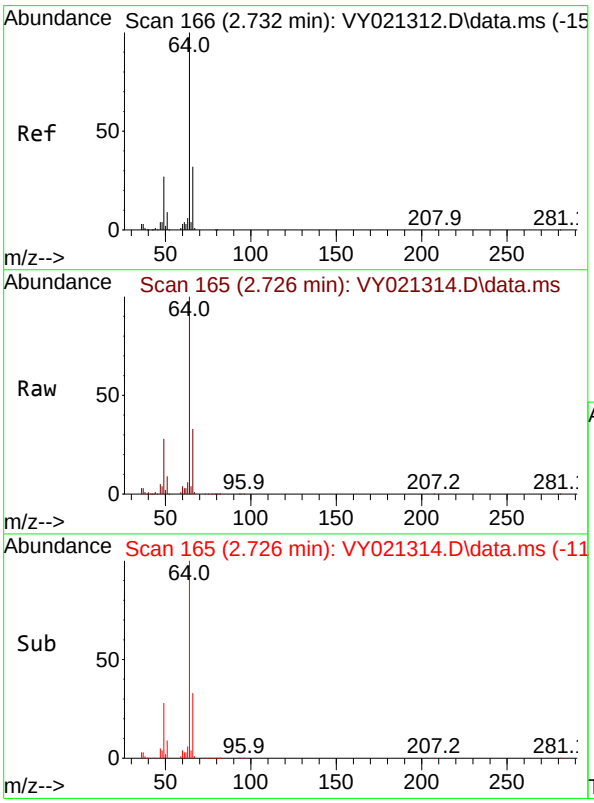
#5
Bromomethane
Concen: 139.293 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 200754

Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.2	112.8

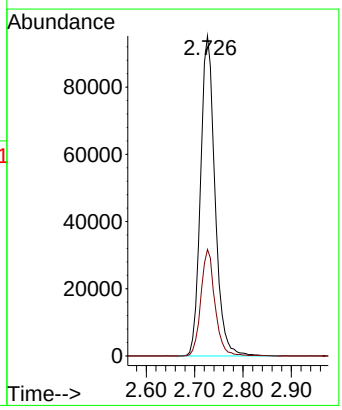


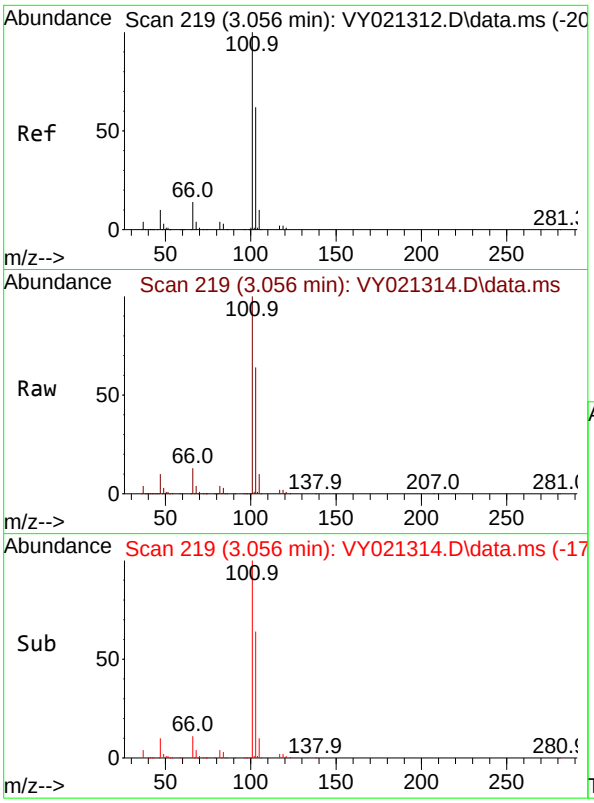


#6
Chloroethane
Concen: 146.820 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 64 Resp: 197463

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.4	38.0



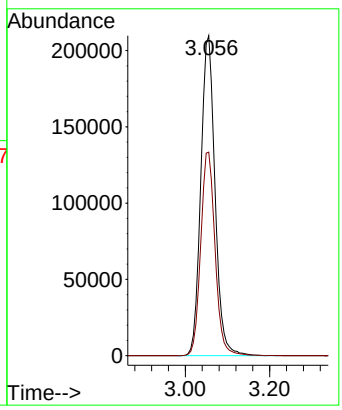


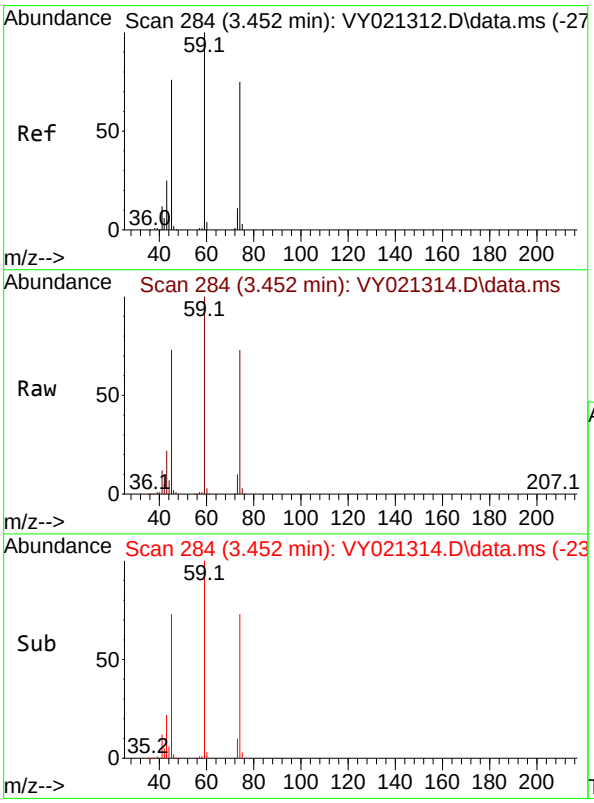
#7
Trichlorofluoromethane
Concen: 150.283 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 492238

Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.7	74.5

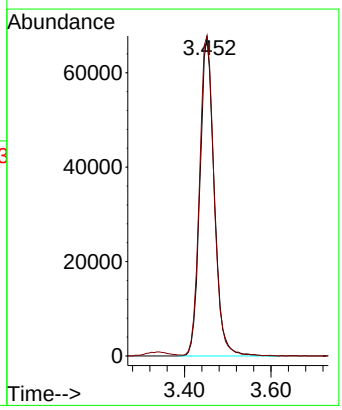


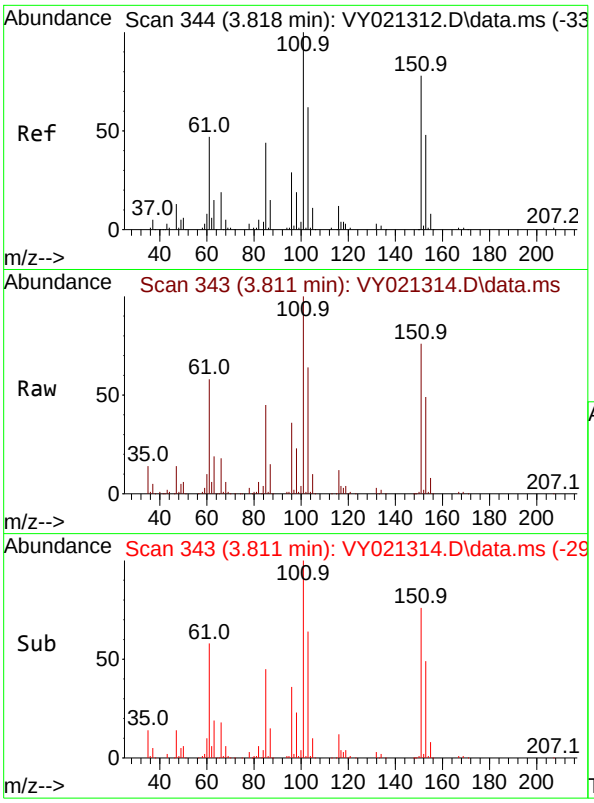


#8
Diethyl Ether
Concen: 157.312 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 74 Resp: 154649

Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.3	150.9



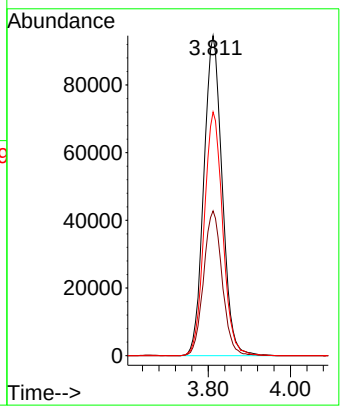


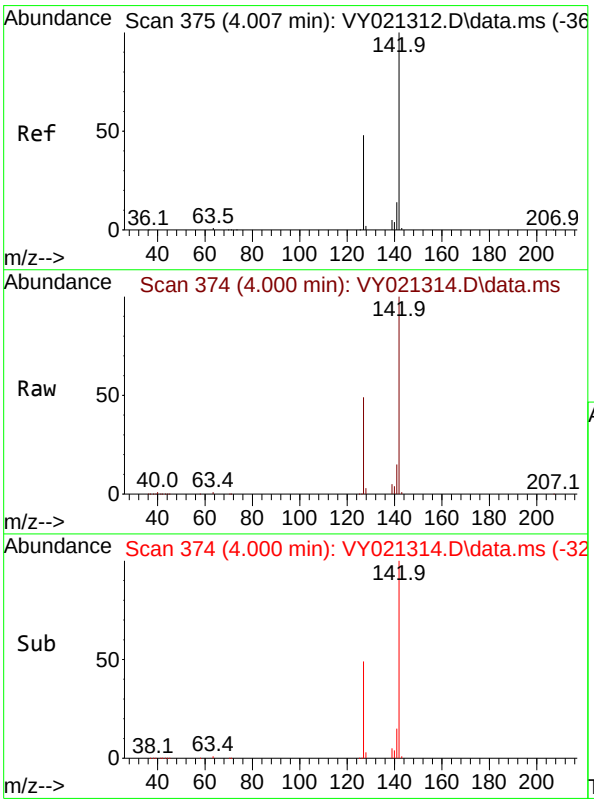
#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.570 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 293114

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	76.6	62.6	94.0

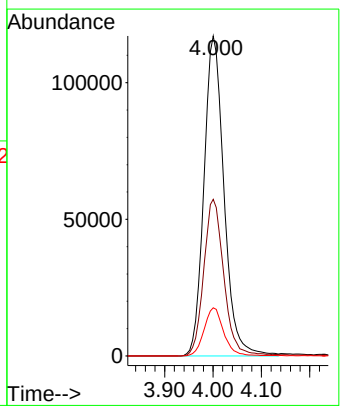


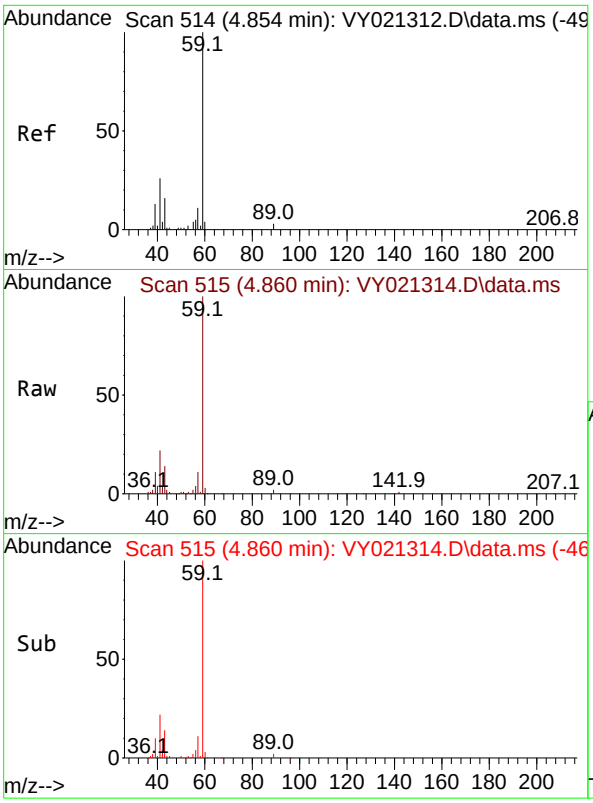


#10
Methyl Iodide
Concen: 169.542 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:142 Resp: 338246

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2



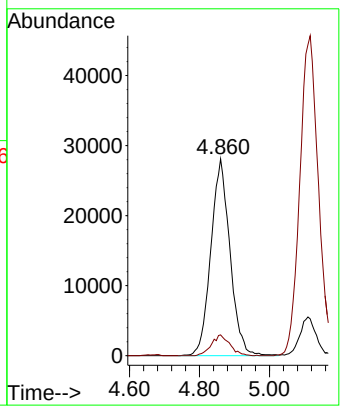


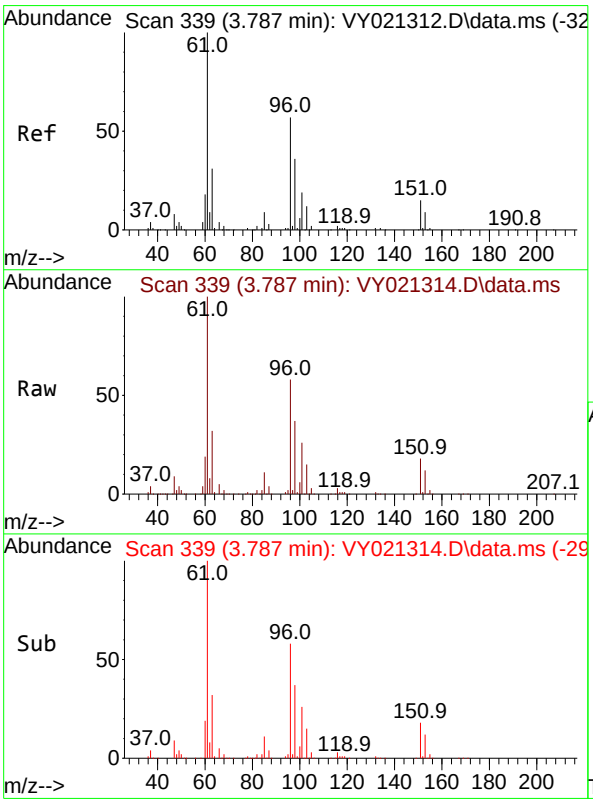
#11
Tert butyl alcohol
Concen: 677.165 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 106628

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

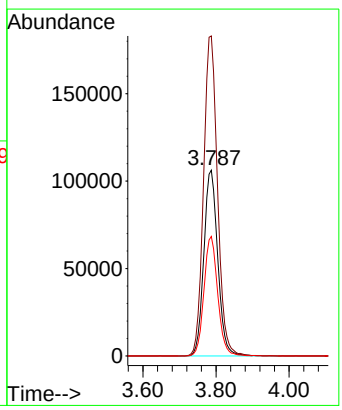


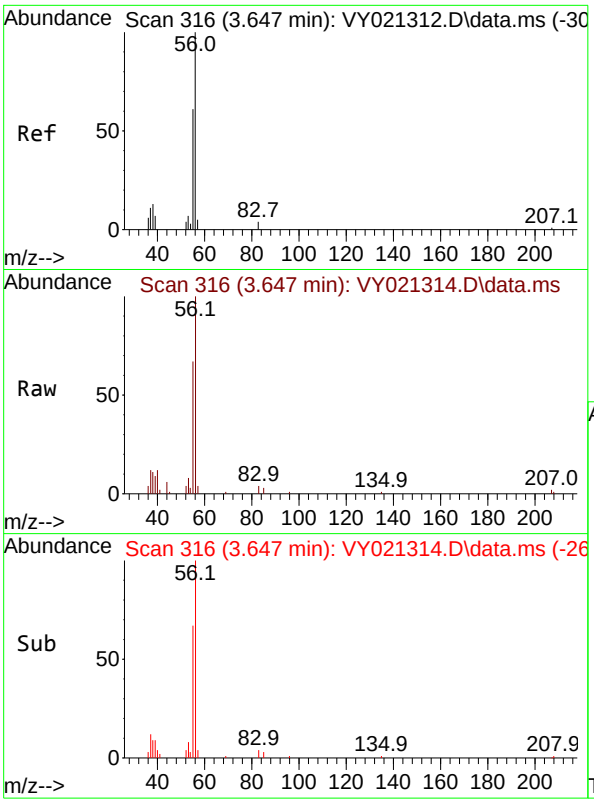


#12
1,1-Dichloroethene
Concen: 154.445 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 280431

Ion	Ratio	Lower	Upper
96	100		
61	172.2	139.7	209.5
98	64.3	49.7	74.5



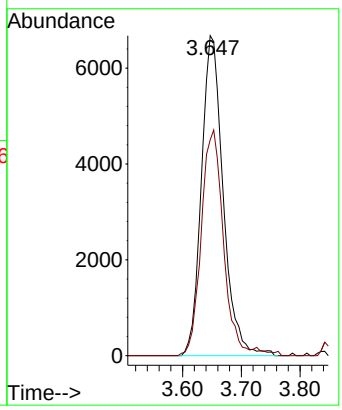


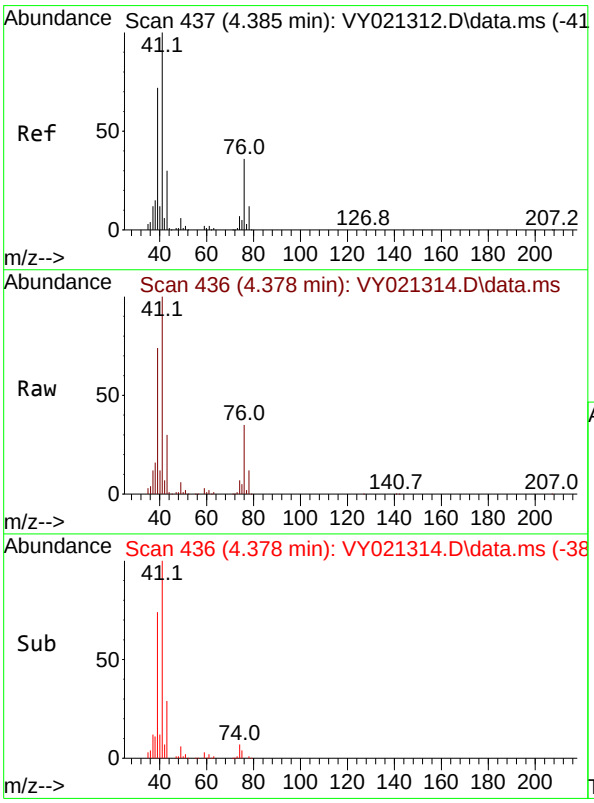
#13
Acrolein
Concen: 142.652 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 17213

Ion	Ratio	Lower	Upper
56	100		
55	70.8	59.0	88.6

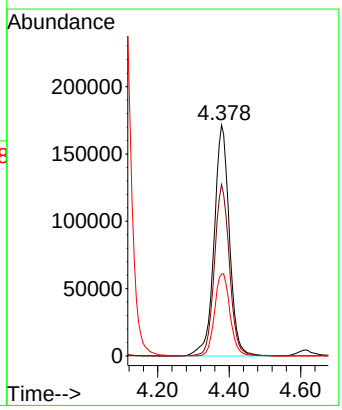


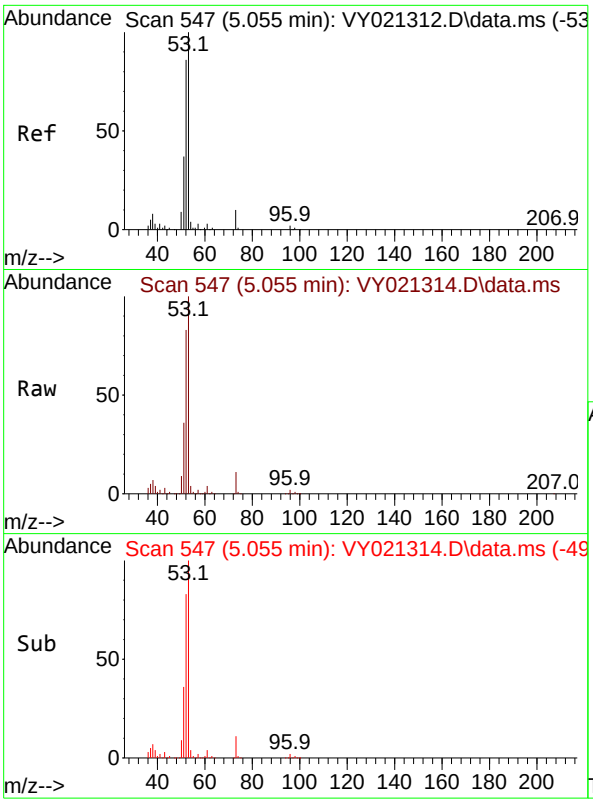


#14
Allyl chloride
Concen: 157.755 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 507854

Ion	Ratio	Lower	Upper
41	100		
39	73.1	60.0	90.0
76	35.8	29.0	43.6



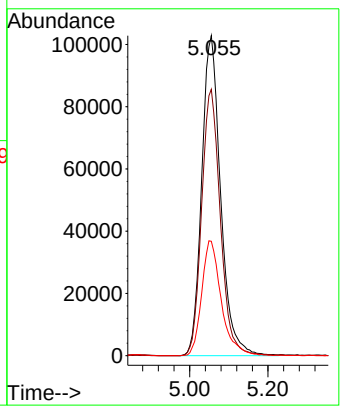


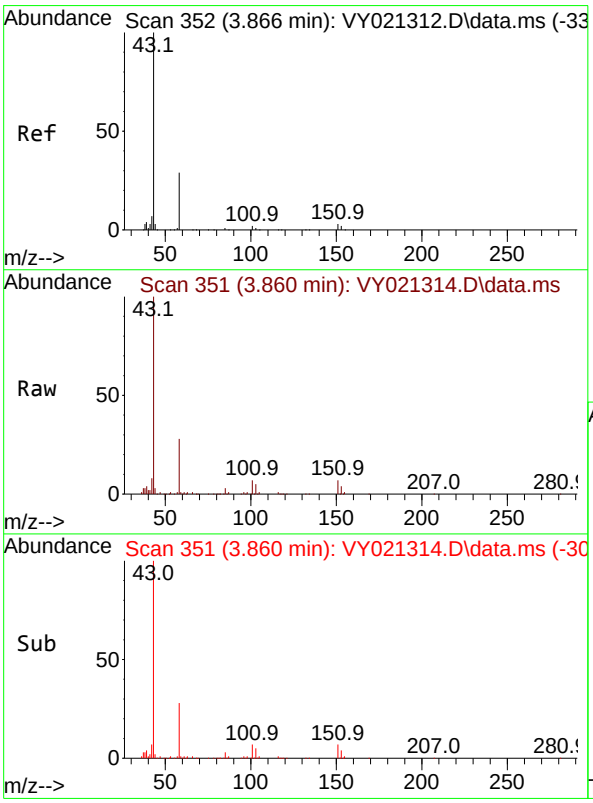
#15
Acrylonitrile
Concen: 793.713 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 344988

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.2	30.6	46.0

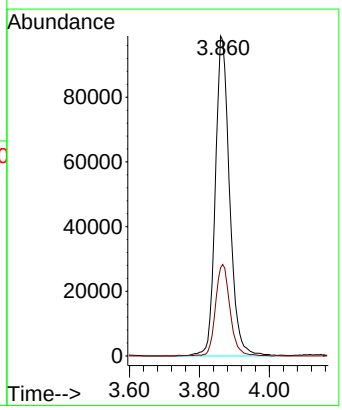


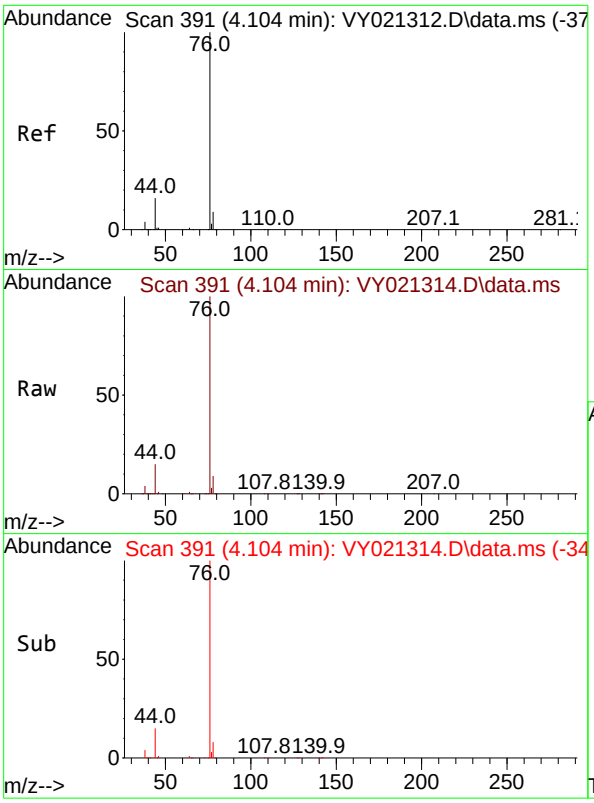


#16
Acetone
Concen: 713.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 280172

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.5	35.3



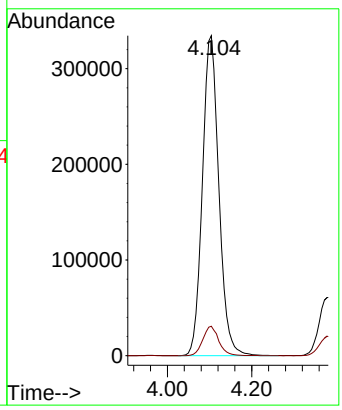


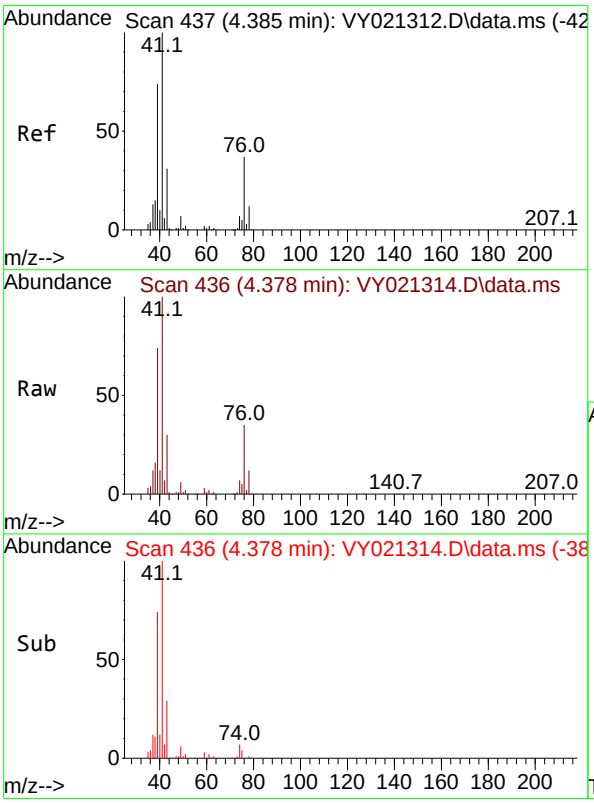
#17
Carbon Disulfide
Concen: 150.676 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 908476

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

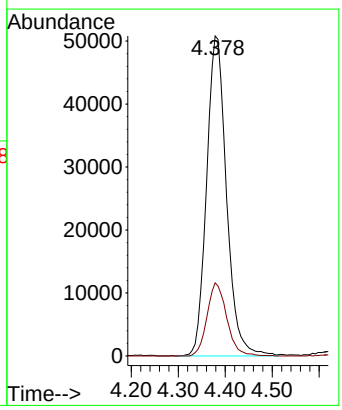


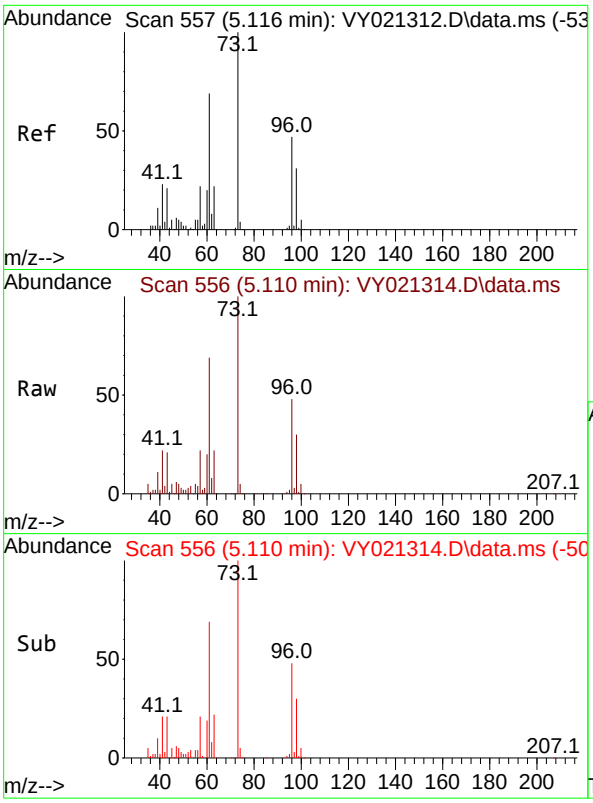


#18
Methyl Acetate
Concen: 155.496 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 149226

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5



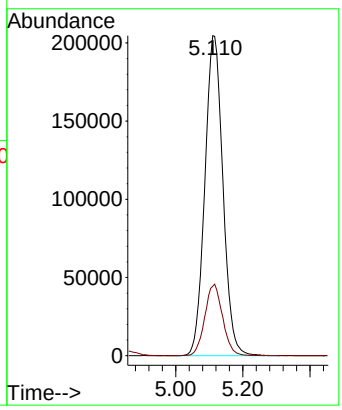


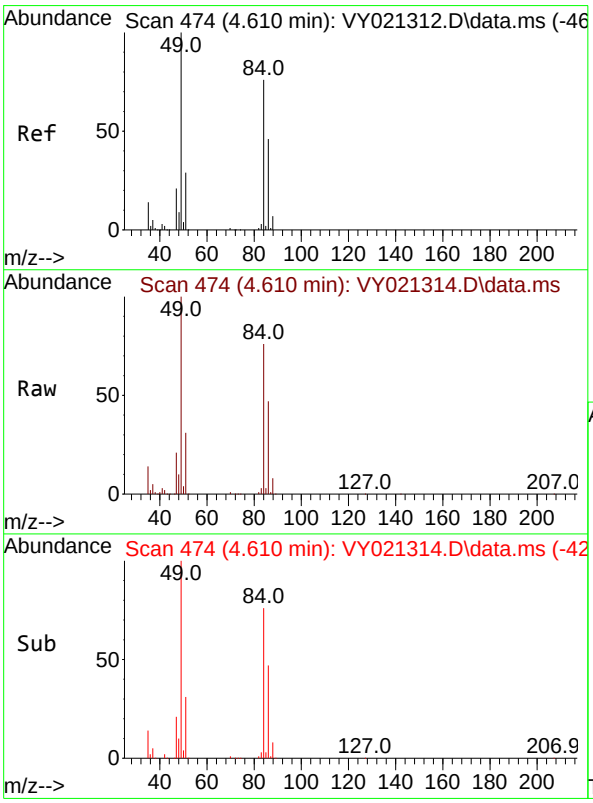
#19
Methyl tert-butyl Ether
Concen: 159.172 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 763596

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

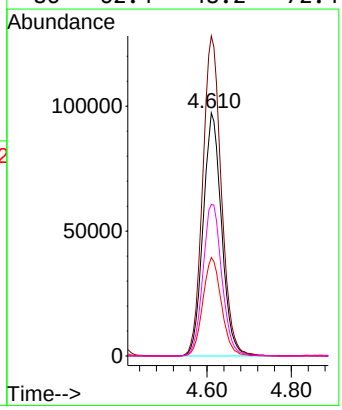


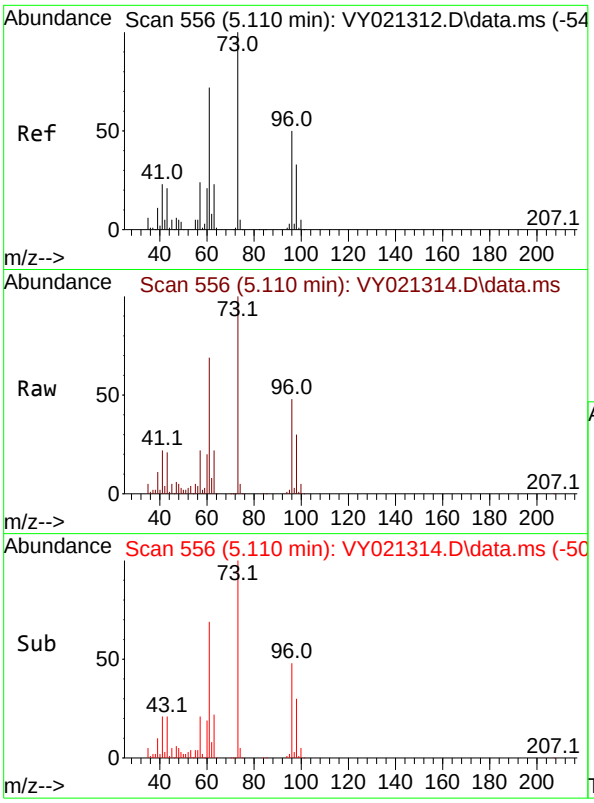


#20
Methylene Chloride
Concen: 139.409 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 84 Resp: 296032

Ion	Ratio	Lower	Upper
84	100		
49	131.6	105.1	157.7
51	40.5	31.0	46.4
86	62.4	48.2	72.4



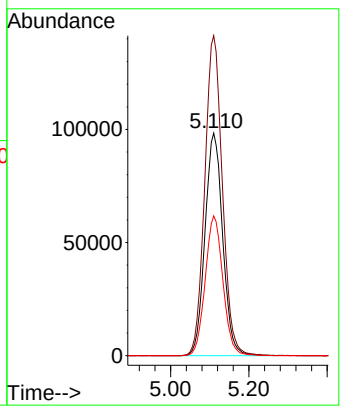


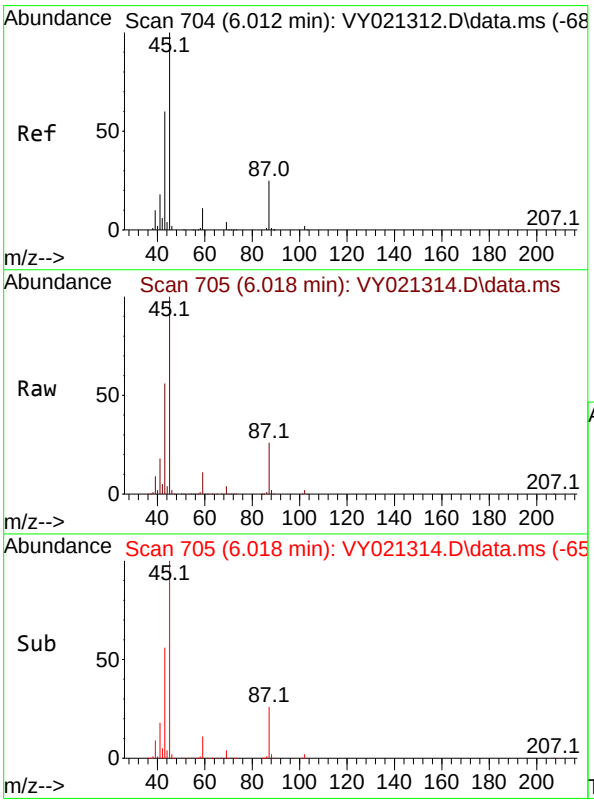
#21
trans-1,2-Dichloroethene
Concen: 154.401 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 308627

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.3	174.5
98	62.8	52.6	78.8

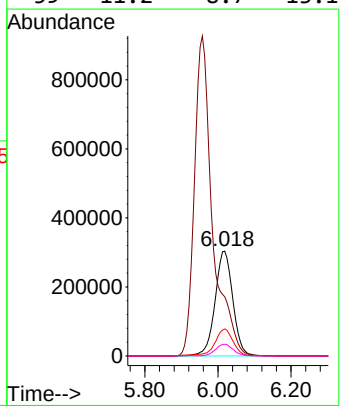


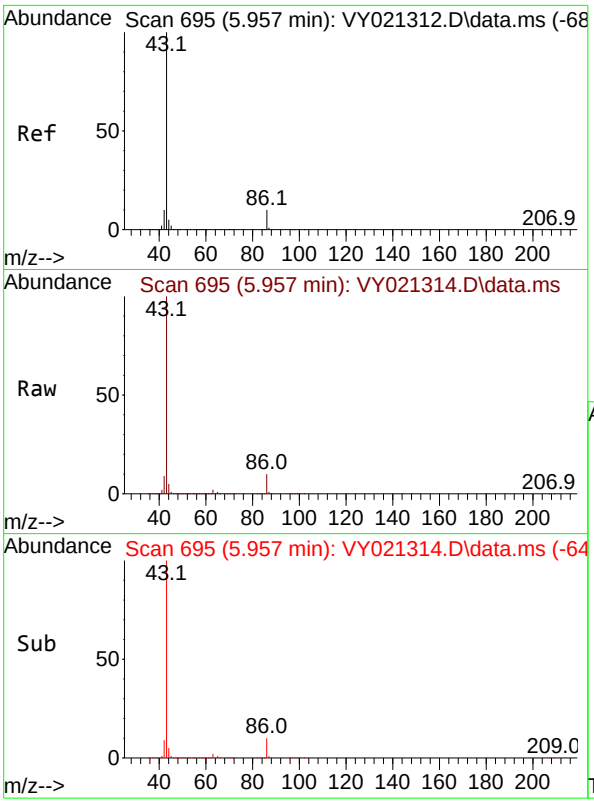


#22
Diisopropyl ether
Concen: 154.433 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 45 Resp: 1028788

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.2	72.4
87	25.8	20.3	30.5
59	11.2	8.7	13.1



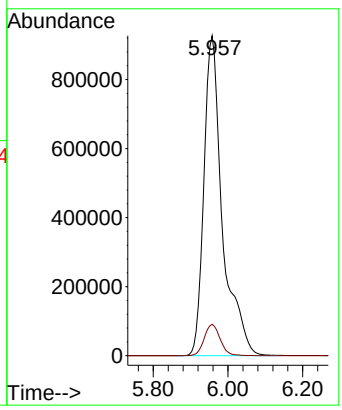


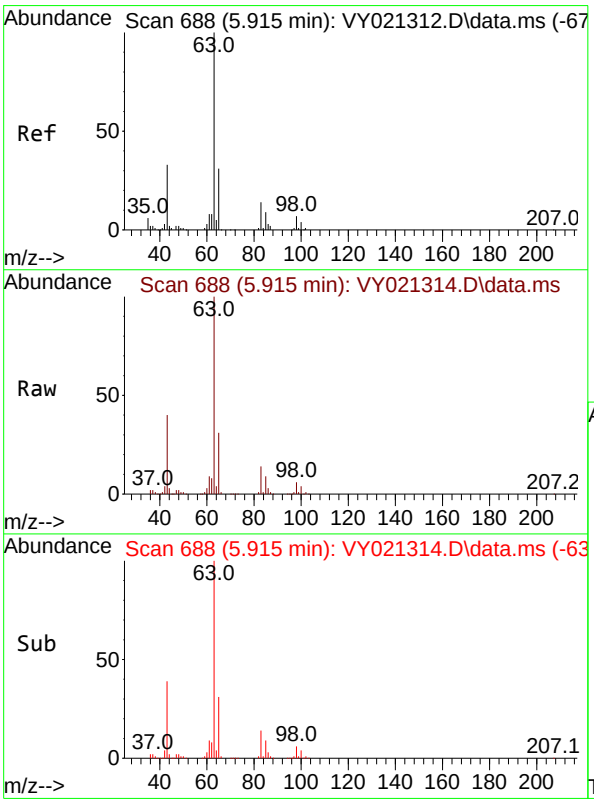
#23
Vinyl Acetate
Concen: 801.685 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3191401

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0

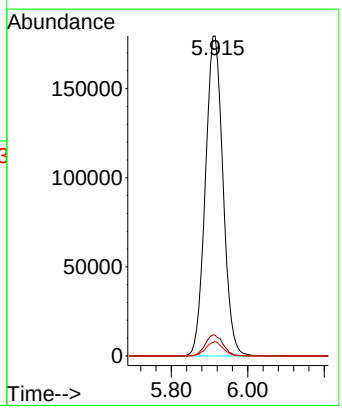


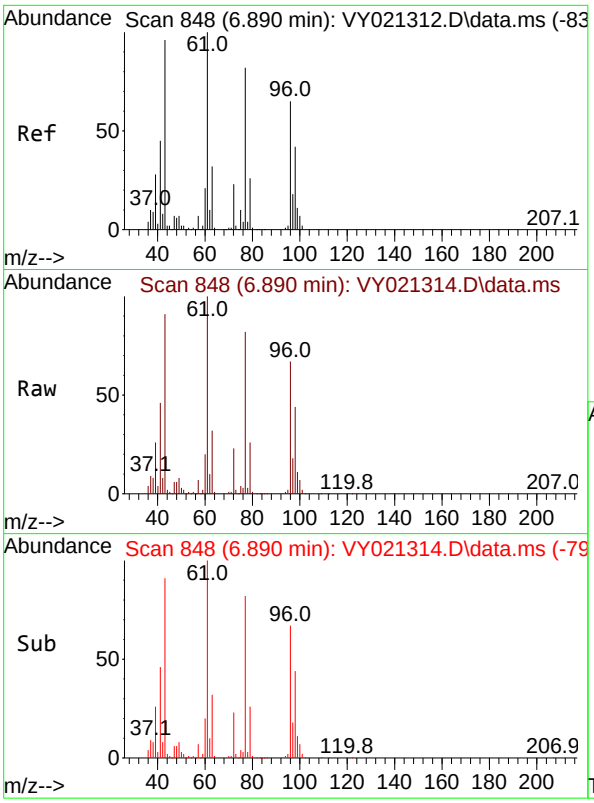


#24
1,1-Dichloroethane
Concen: 152.564 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 572832

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.7	11.1
100	4.5	2.1	6.5



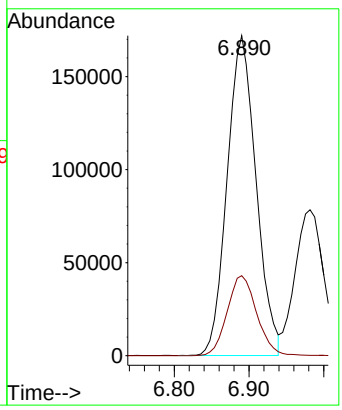


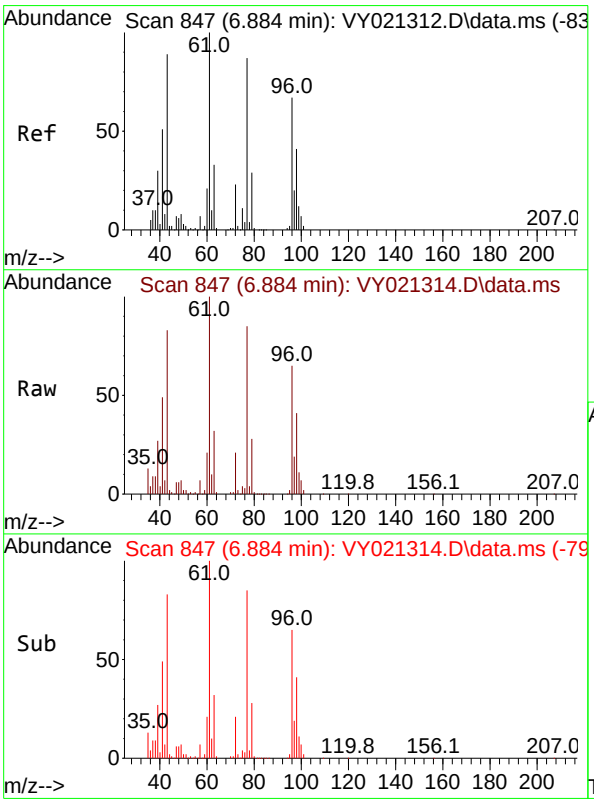
#25
2-Butanone
Concen: 780.449 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 462541

Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.0	28.6

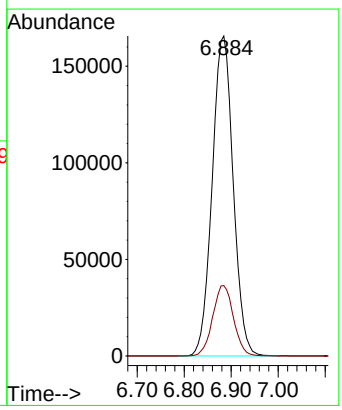


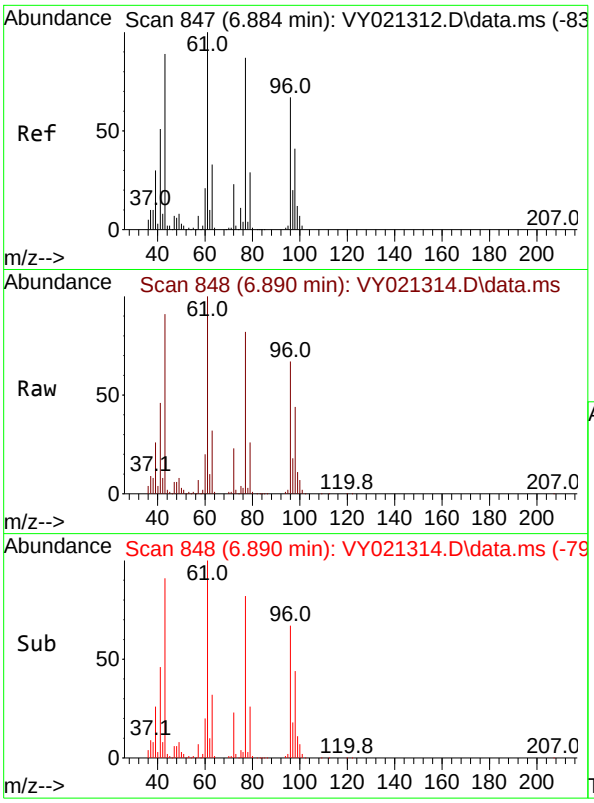


#26
2,2-Dichloropropane
Concen: 151.214 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 77 Resp: 515178

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



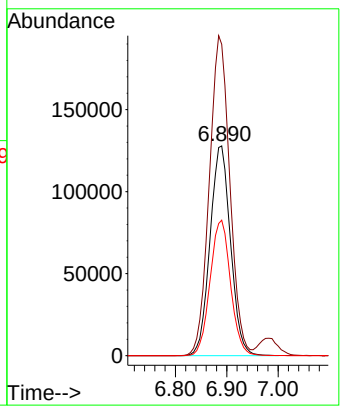


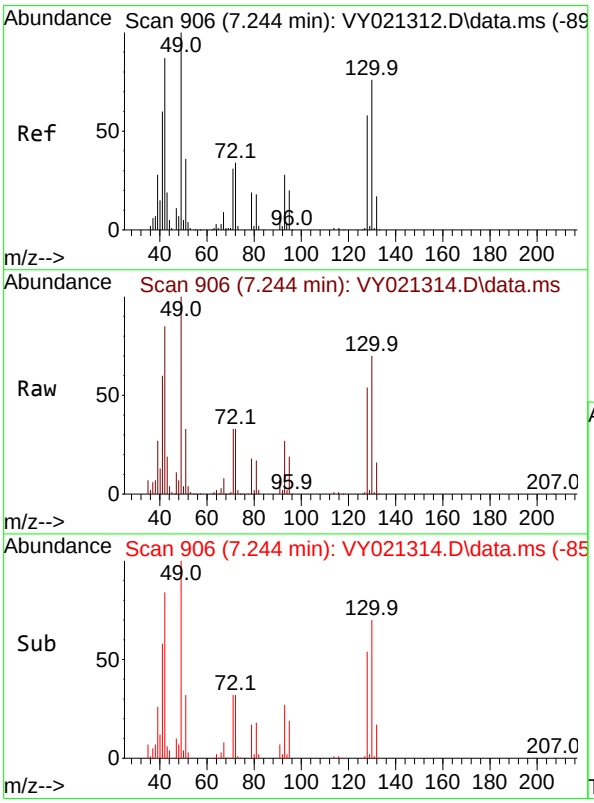
#27
cis-1,2-Dichloroethene
Concen: 155.519 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 354979

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	308.0
98	64.4	0.0	129.6

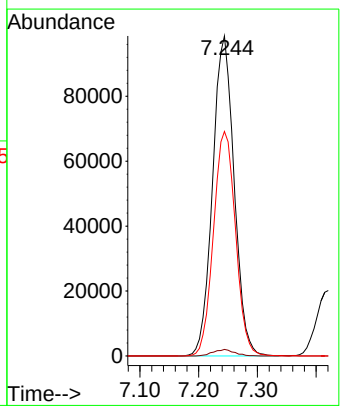


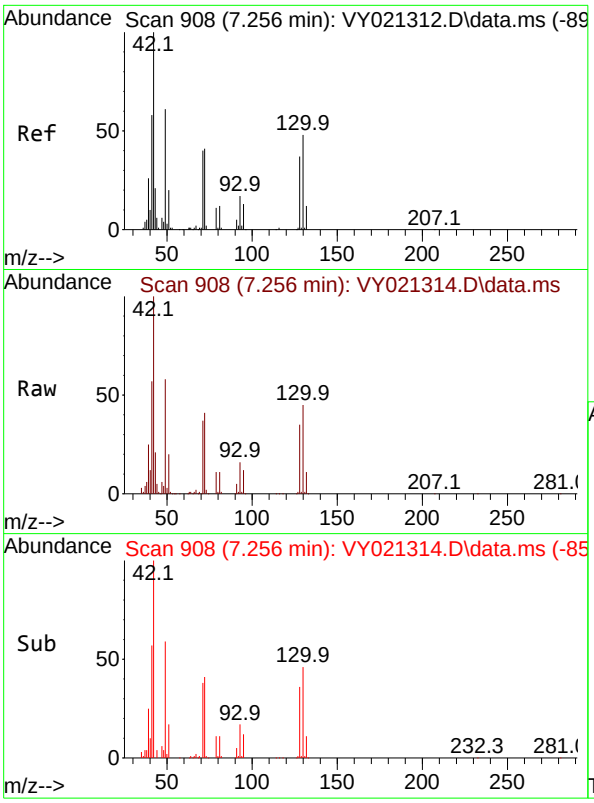


#28
Bromochloromethane
Concen: 151.227 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 49 Resp: 251245

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.7	57.8	86.6



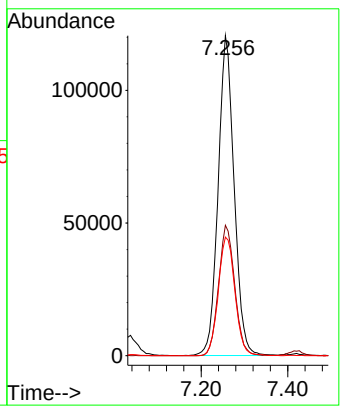


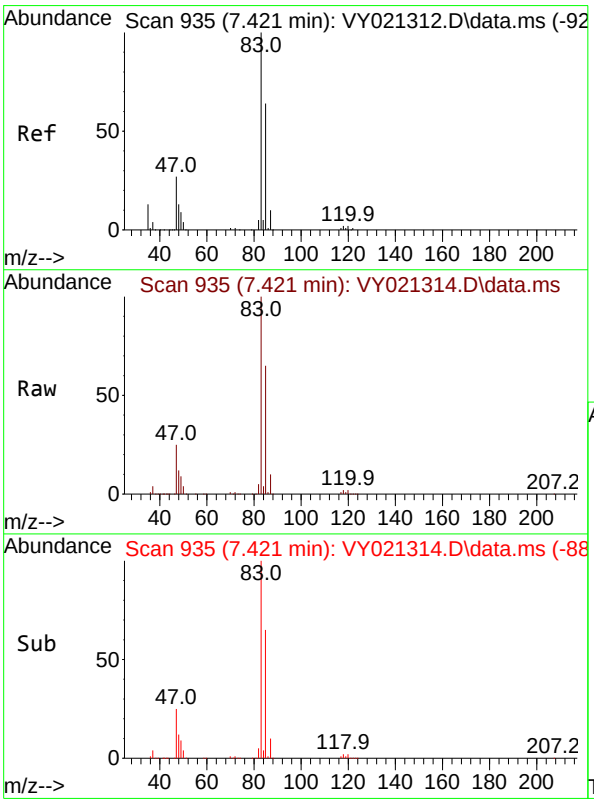
#29
Tetrahydrofuran
Concen: 797.978 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 309130

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.6	31.4	47.0

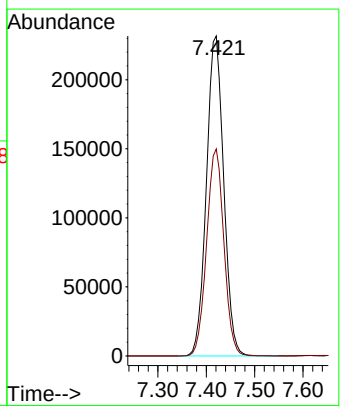


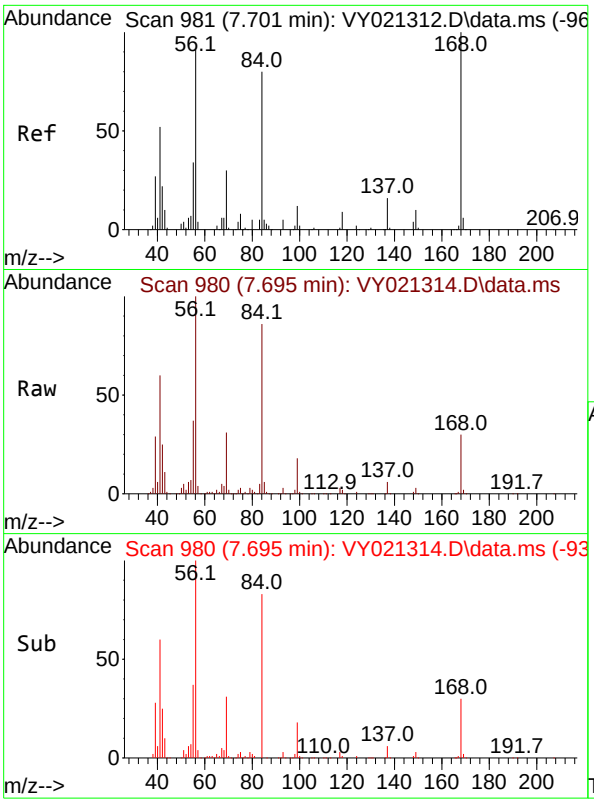


#30
Chloroform
Concen: 151.112 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 574920

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4



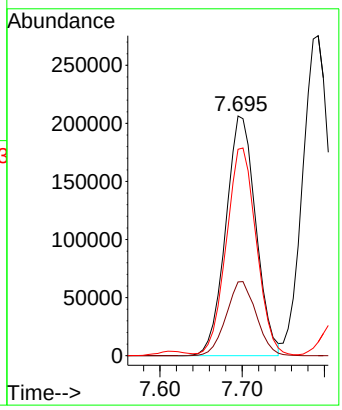


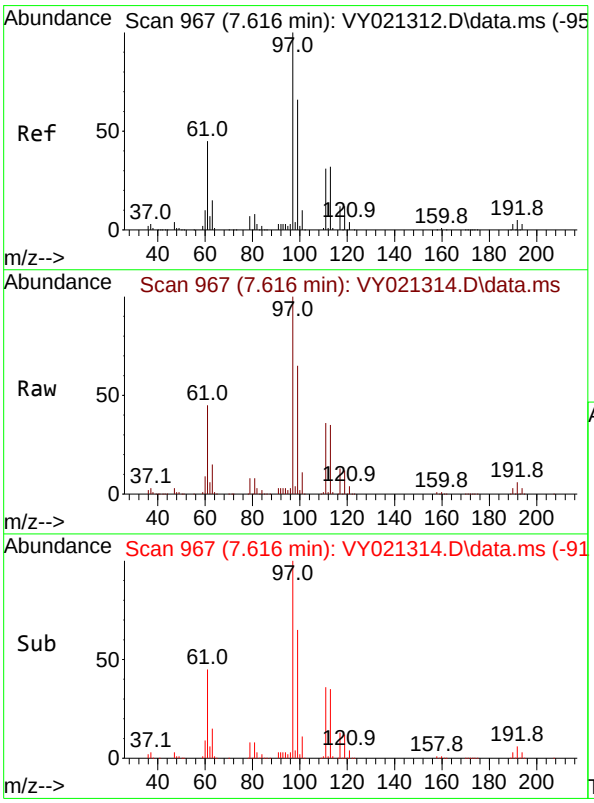
#31
Cyclohexane
Concen: 145.637 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 525636

Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	84.4	70.2	105.4

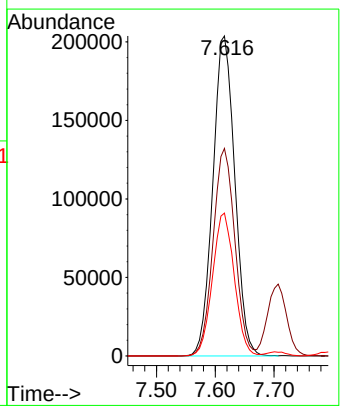


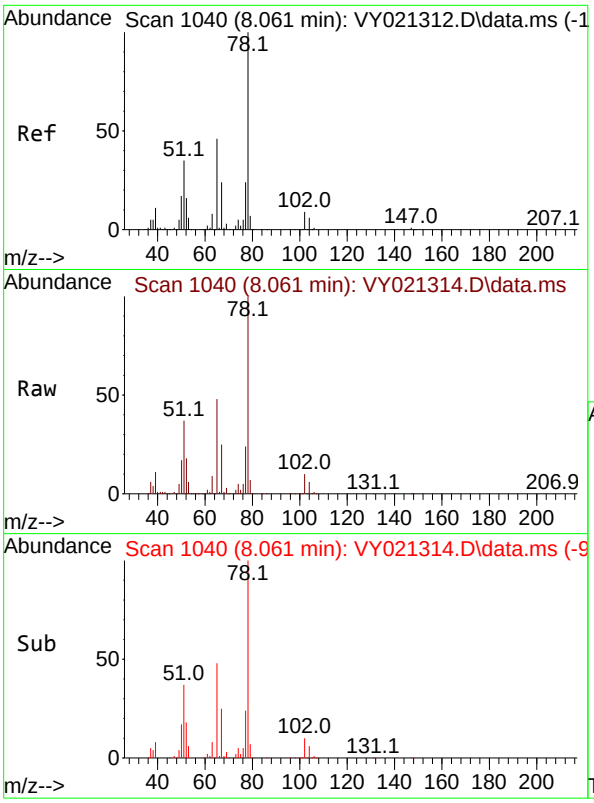


#32
1,1,1-Trichloroethane
Concen: 152.986 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 529792

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	44.4	36.2	54.2



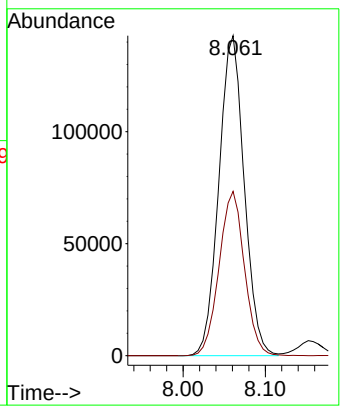


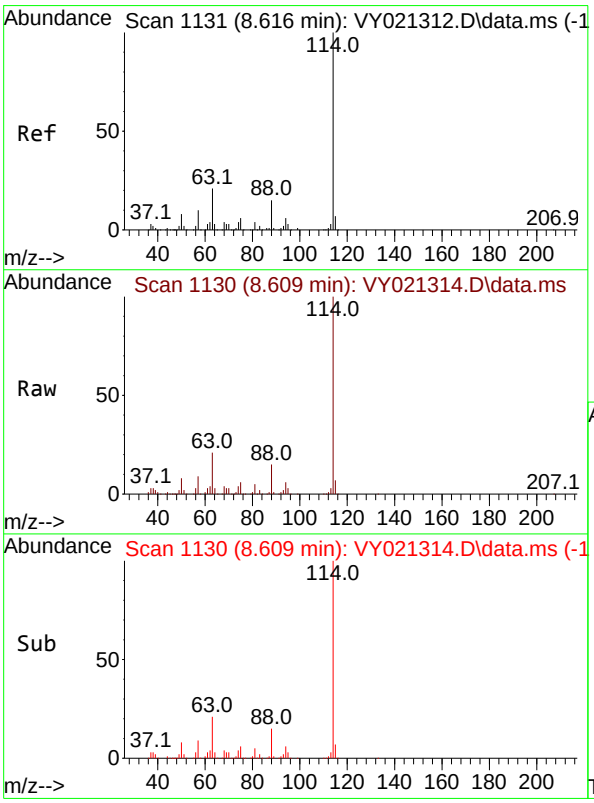
#33
1,2-Dichloroethane-d4
Concen: 149.582 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 306215

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6

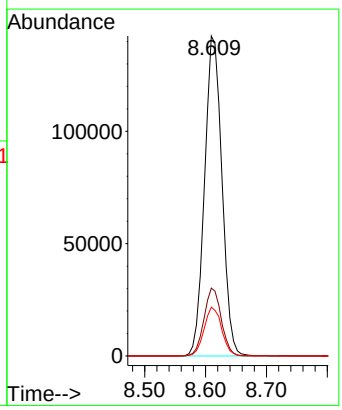


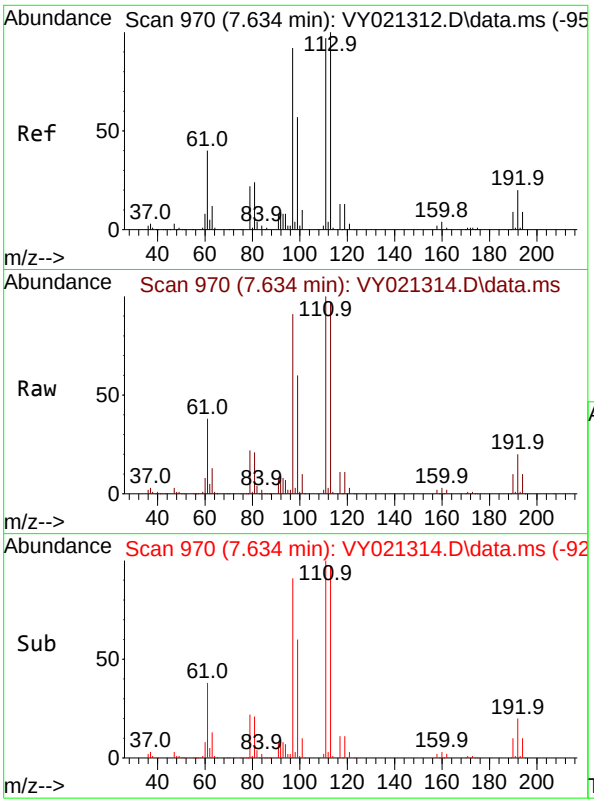


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:114 Resp: 283003

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8



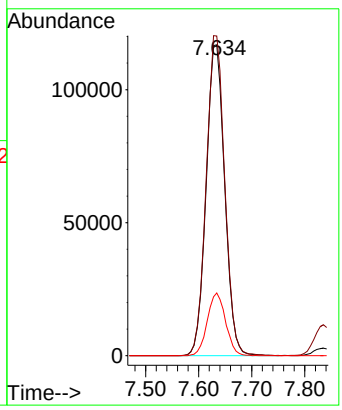


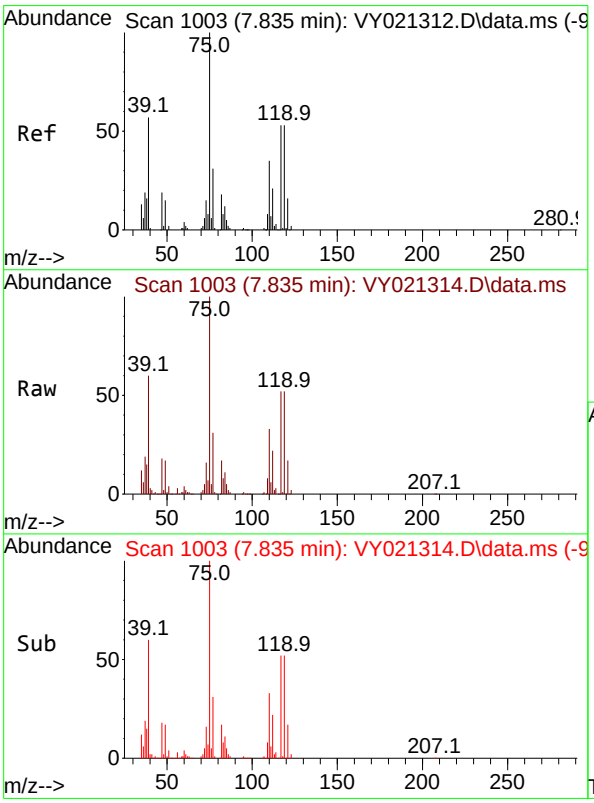
#35
Dibromofluoromethane
Concen: 152.818 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 283537

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	19.9	15.8	23.8

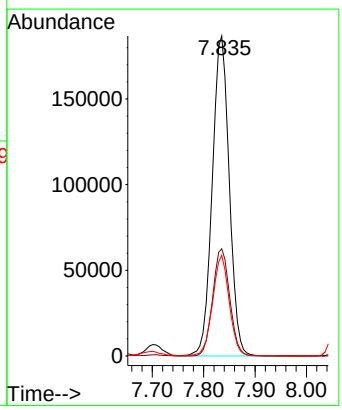


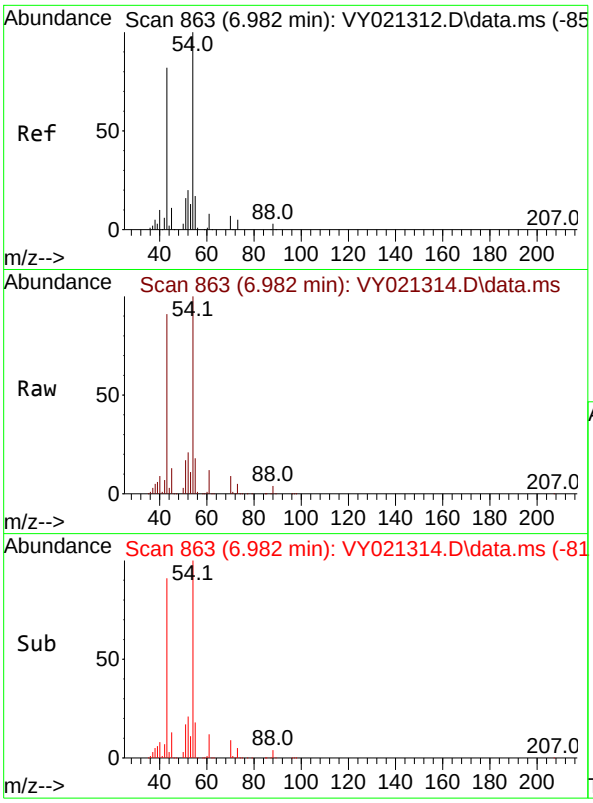


#36
1,1-Dichloropropene
Concen: 153.985 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 429157

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.8	24.6	36.8



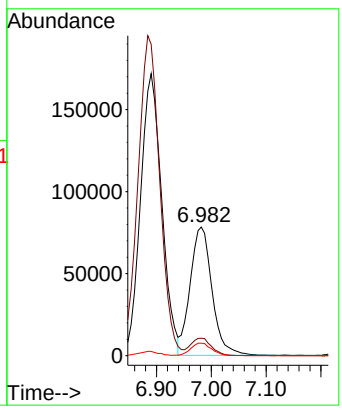


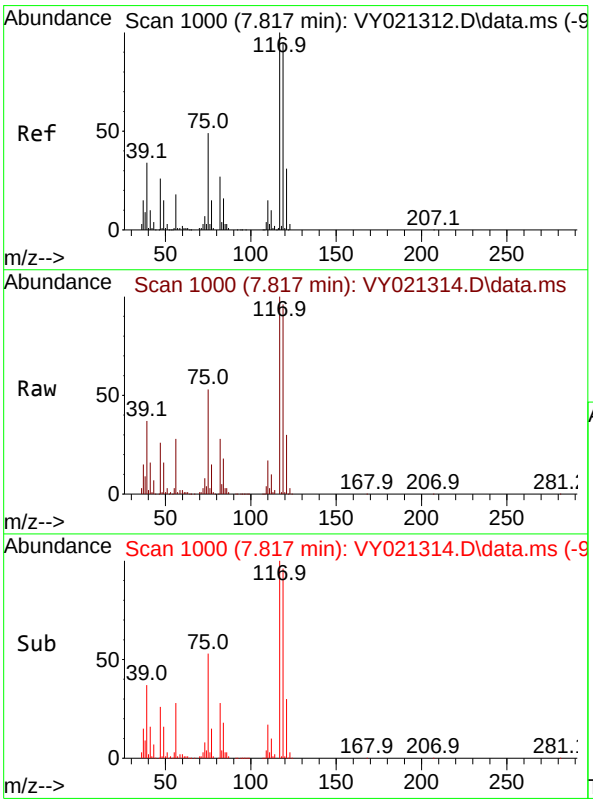
#37
Ethyl Acetate
Concen: 156.470 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 216920

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.4	7.5	11.3

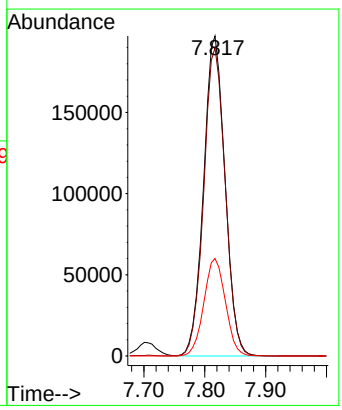


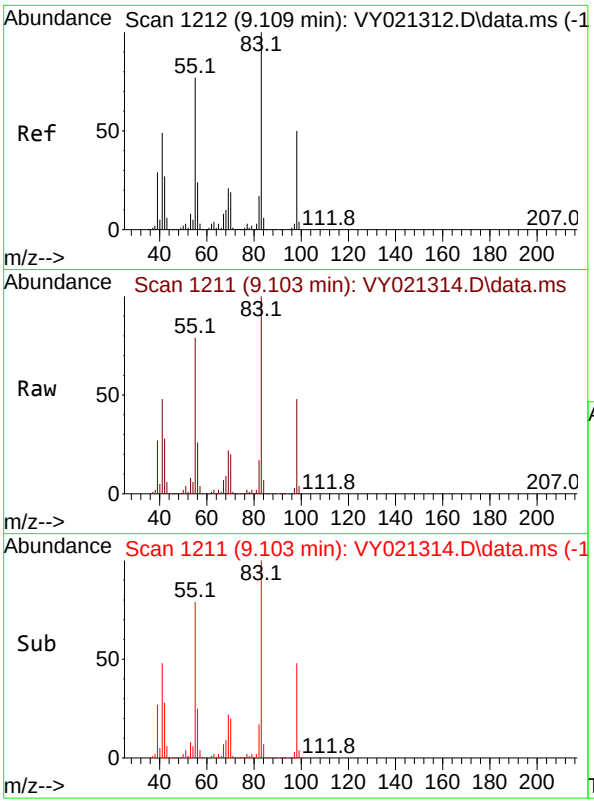


#38
Carbon Tetrachloride
Concen: 153.764 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 481774

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.0	114.0
121	30.5	24.9	37.3



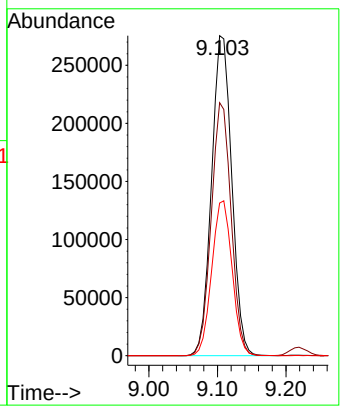


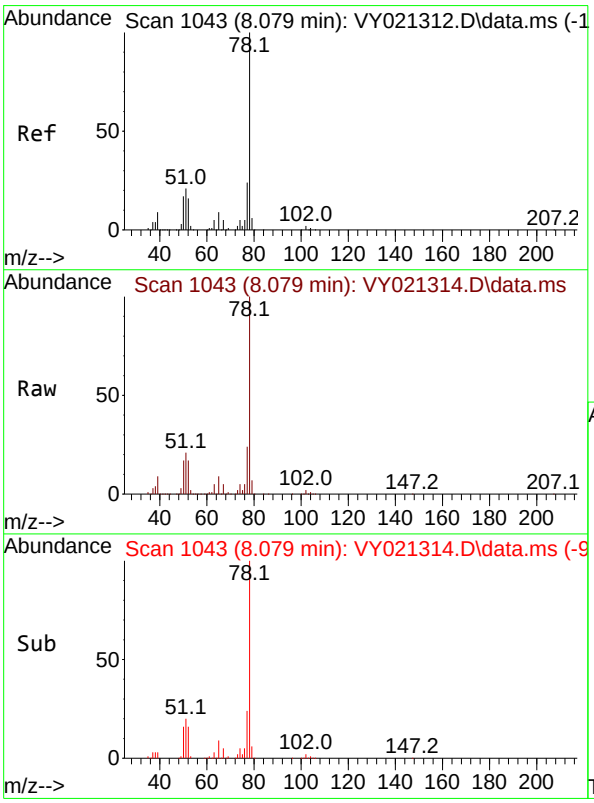
#39
Methylcyclohexane
Concen: 159.752 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 563132

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.3	91.9
98	47.7	39.9	59.9

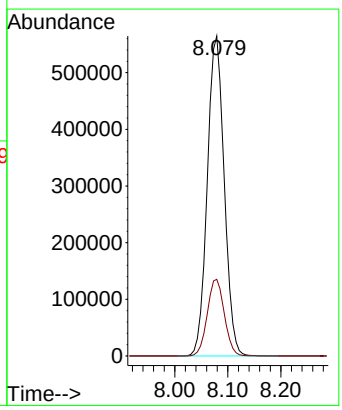


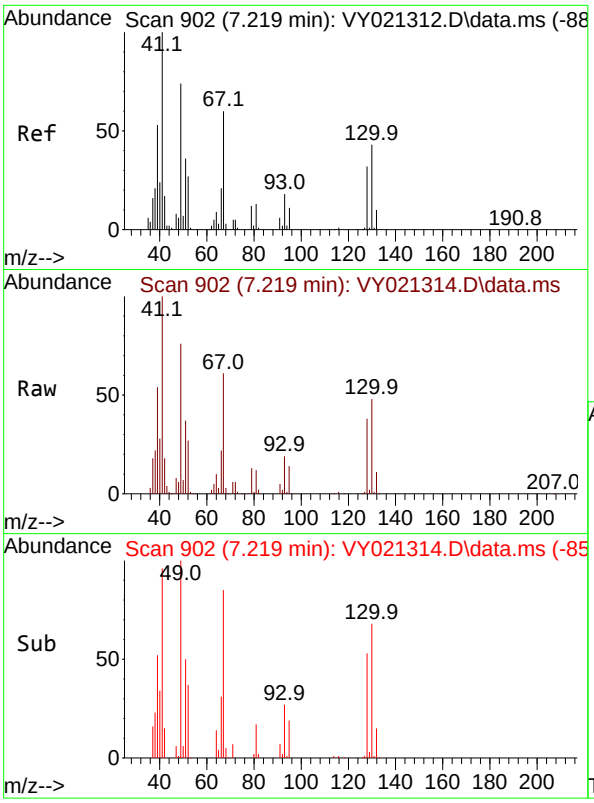


#40
Benzene
Concen: 151.673 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 78 Resp: 1249573

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



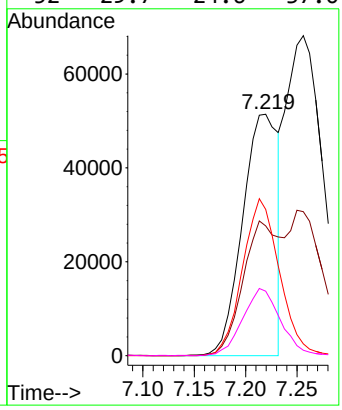


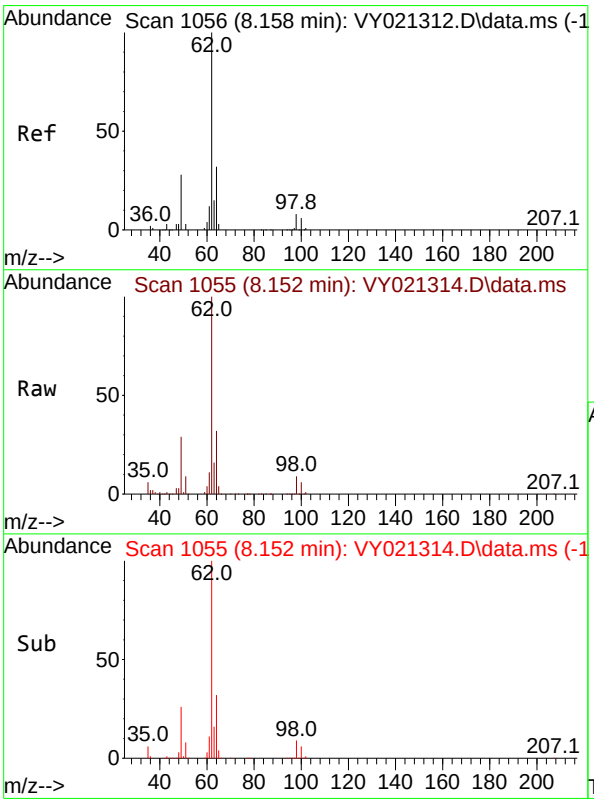
#41
Methacrylonitrile
Concen: 159.542 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 123663

Ion	Ratio	Lower	Upper
41	100		
39	61.3	42.3	63.5
67	67.7	54.8	82.2
52	29.7	24.6	37.0

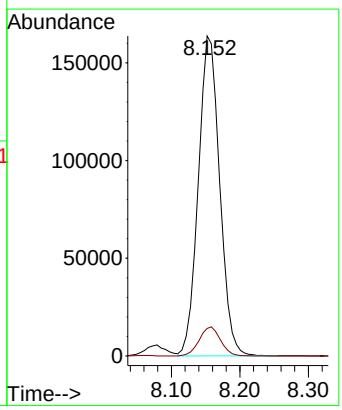


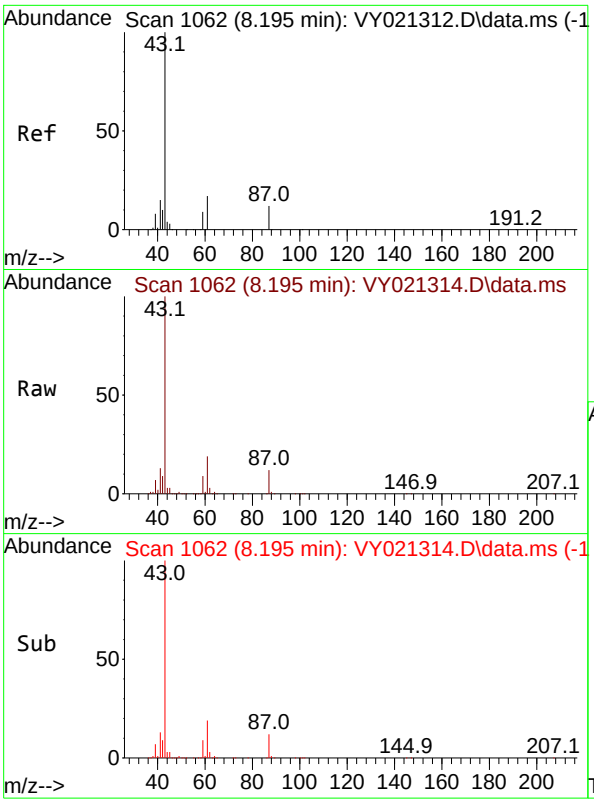


#42
1,2-Dichloroethane
Concen: 152.036 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 355374

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



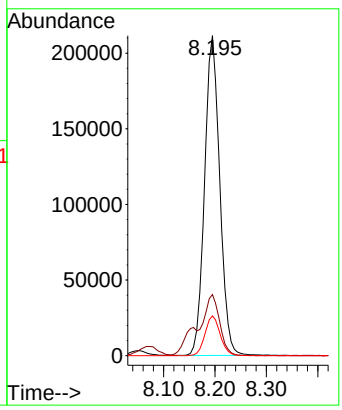


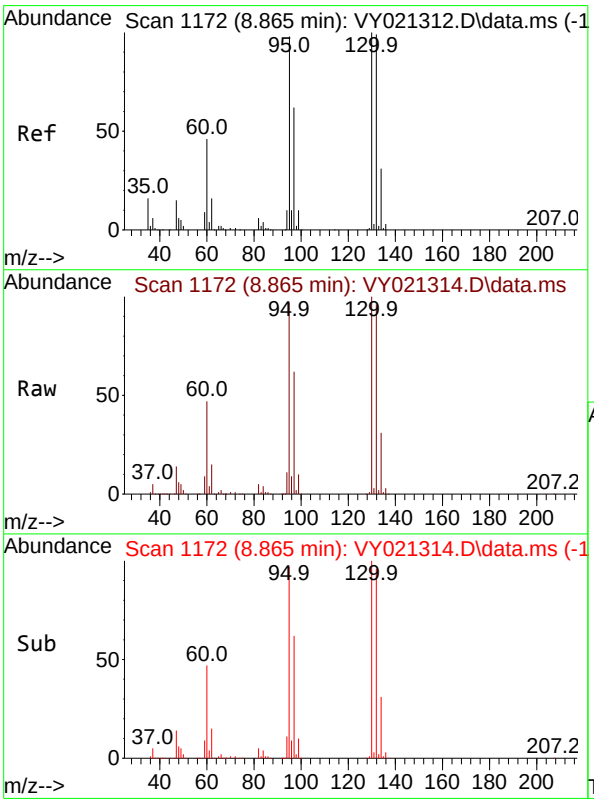
#43
Isopropyl Acetate
Concen: 161.641 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 433742

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.0	22.6
87	12.4	10.0	15.0

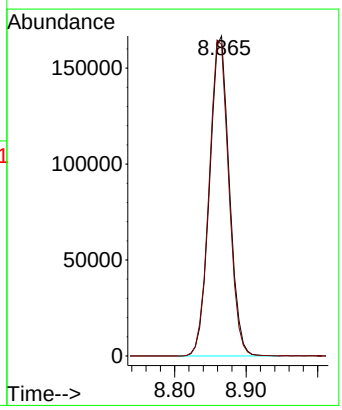


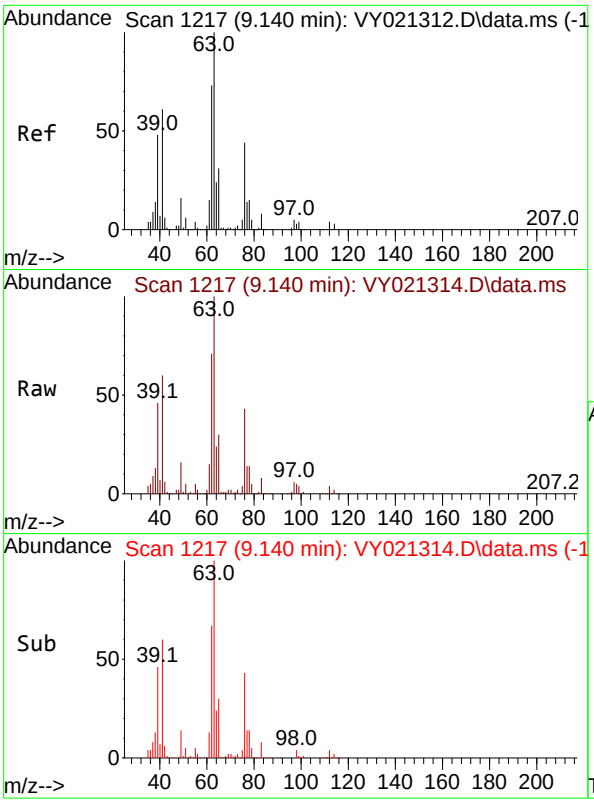


#44
Trichloroethene
Concen: 154.457 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:130 Resp: 318590

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	196.0



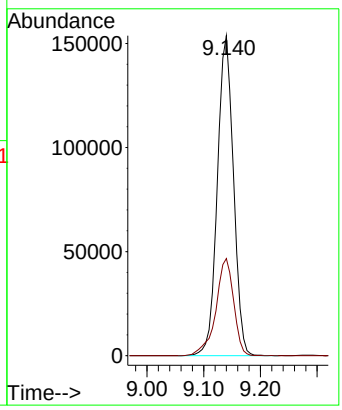


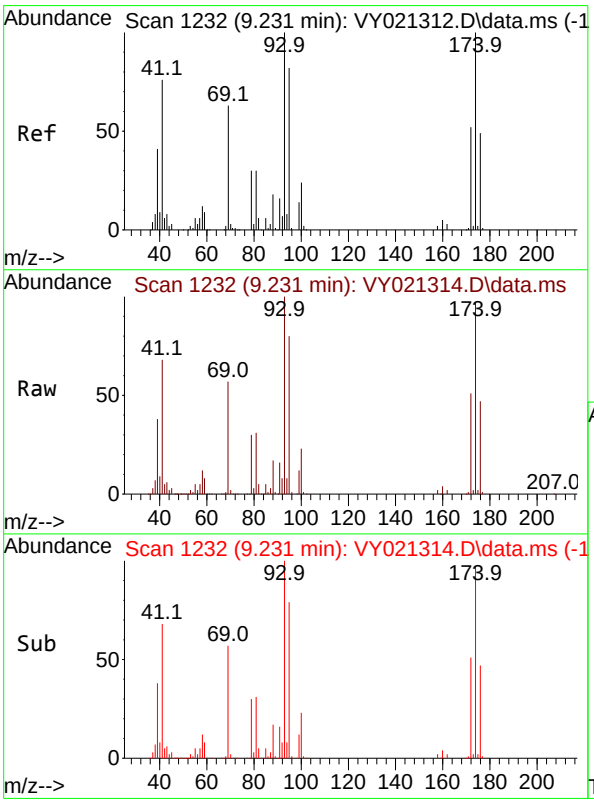
#45
1,2-Dichloropropane
Concen: 152.809 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 302967

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

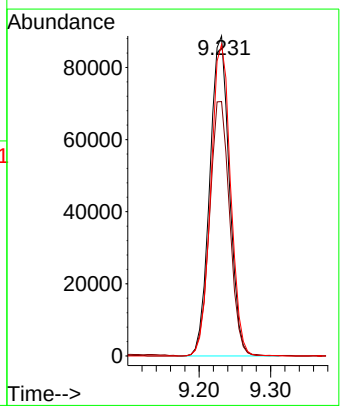


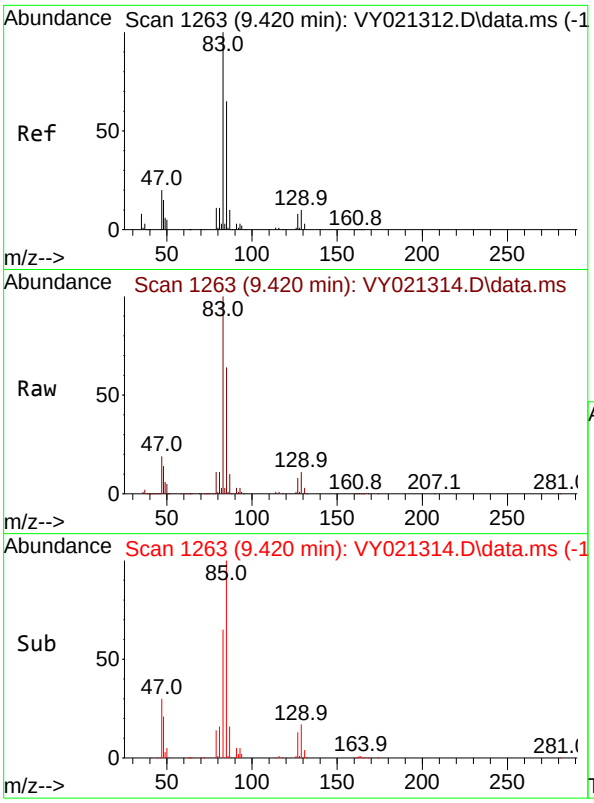


#46
Dibromomethane
Concen: 155.620 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 93 Resp: 168654

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	98.2	78.2	117.2



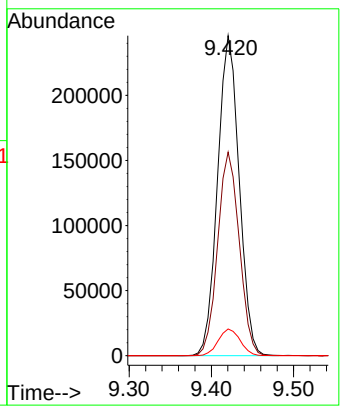


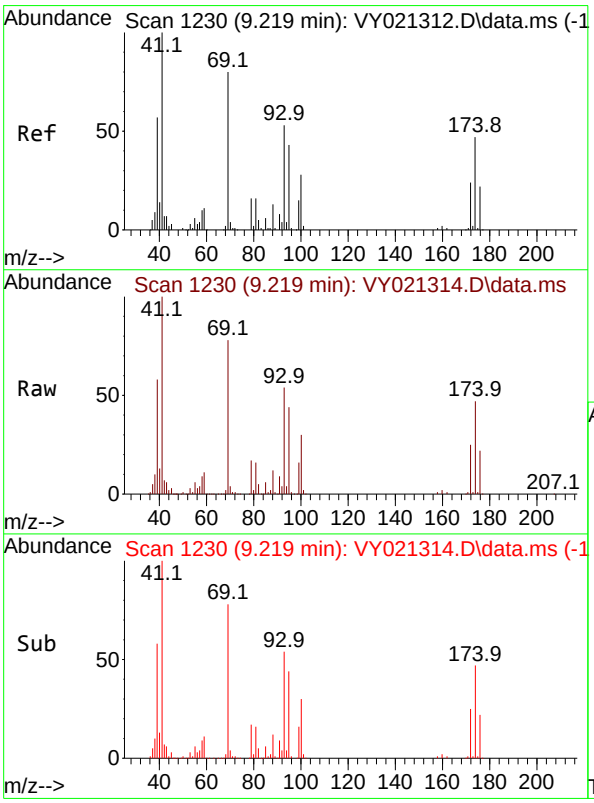
#47
Bromodichloromethane
Concen: 155.172 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 448398

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8
127	8.4	6.7	10.1

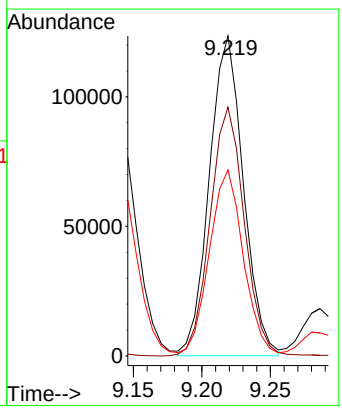


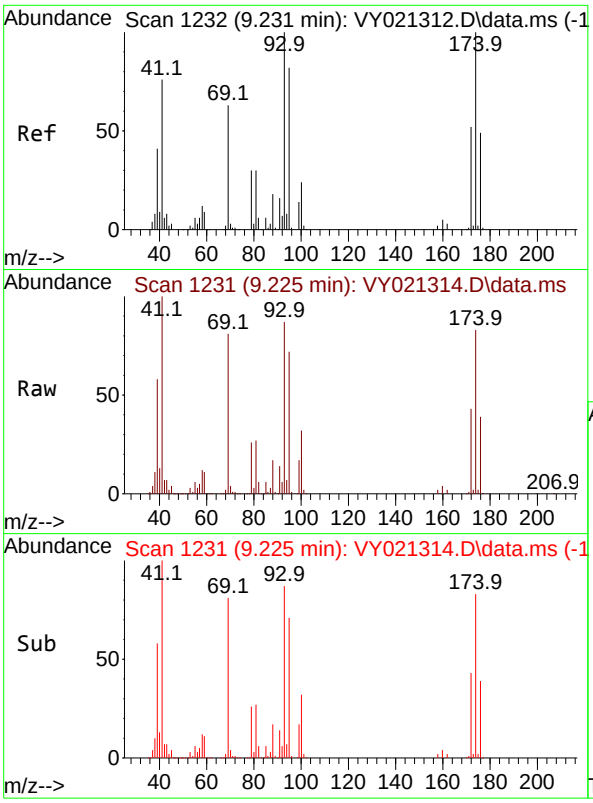


#48
Methyl methacrylate
Concen: 169.923 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 213222

Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.3	94.9
39	56.2	45.0	67.6



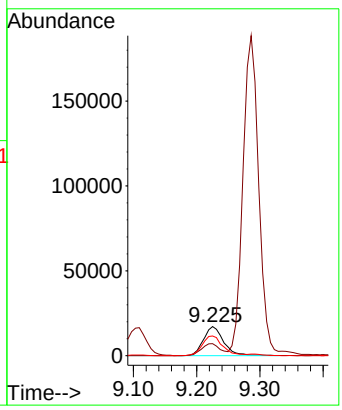


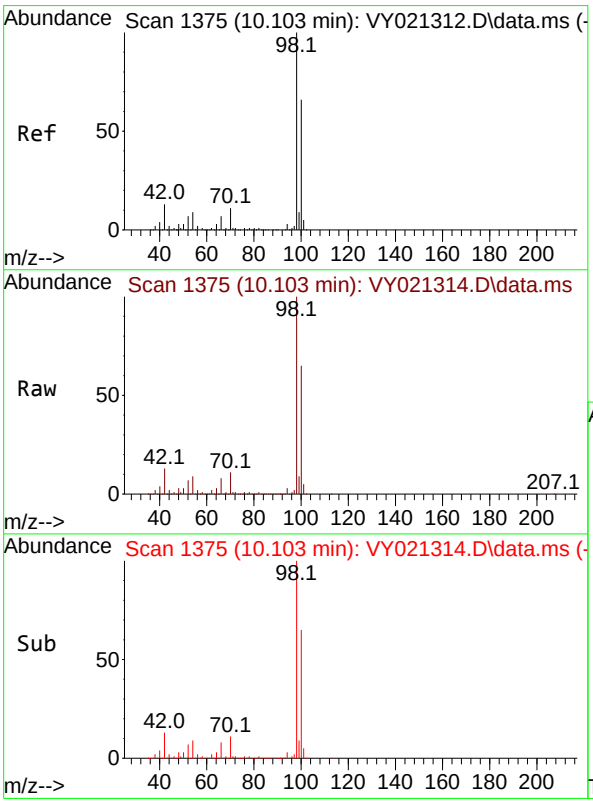
#49
1,4-Dioxane
Concen: 3165.209 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 38142

Ion	Ratio	Lower	Upper
88	100		
43	38.4	34.8	52.2
58	68.6	59.8	89.6

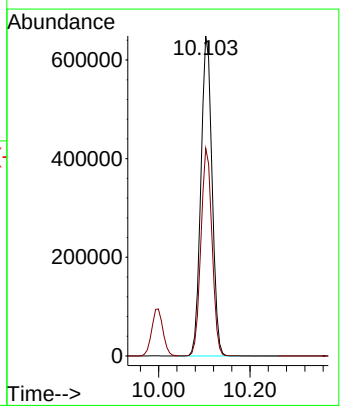


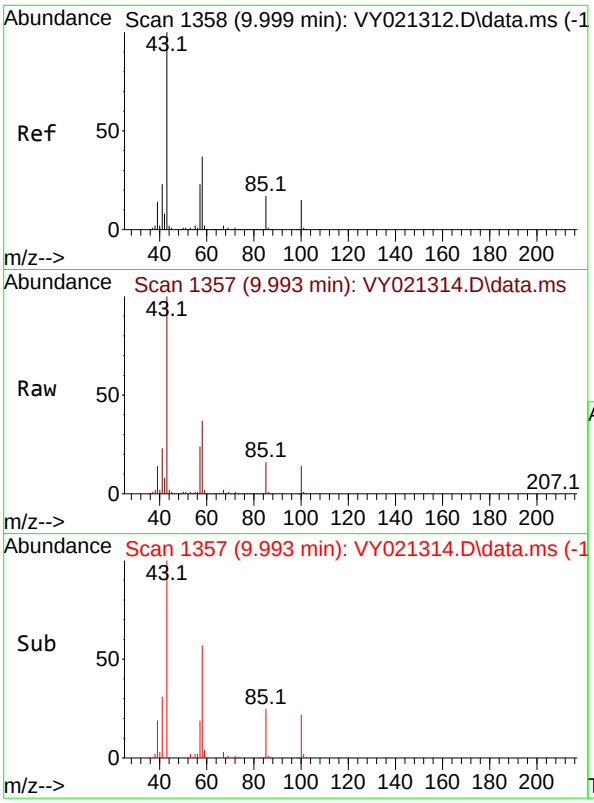


#50
Toluene-d8
Concen: 152.682 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 98 Resp: 1094820

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6



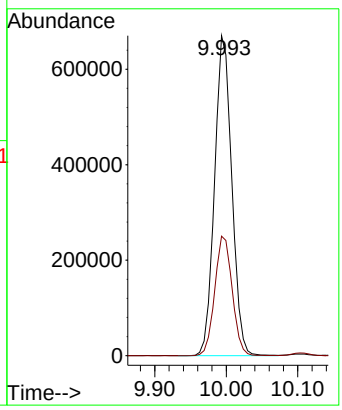


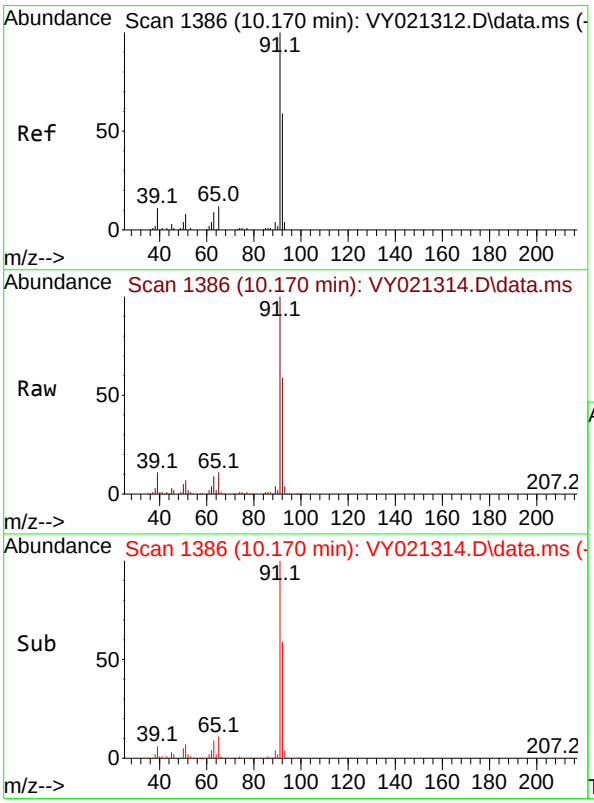
#51
4-Methyl-2-Pentanone
Concen: 816.471 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1121500

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1

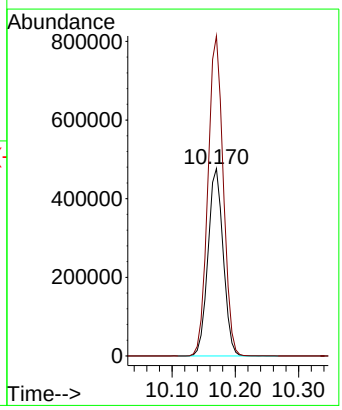


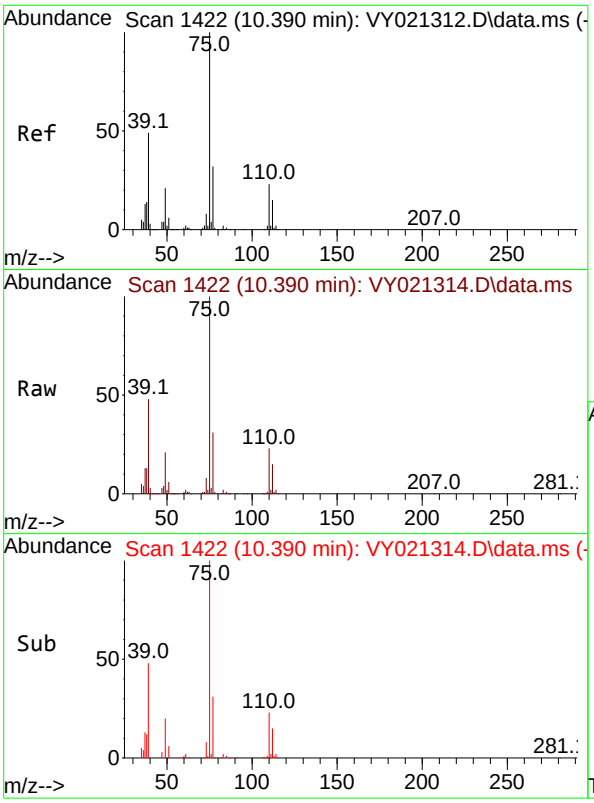


#52
Toluene
Concen: 155.232 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 92 Resp: 794485

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.8	206.8



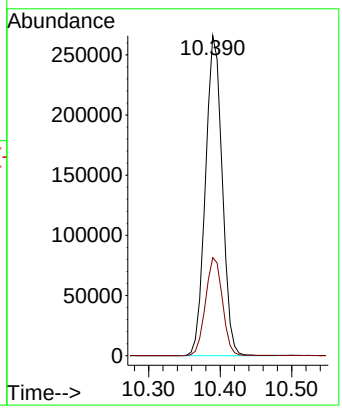


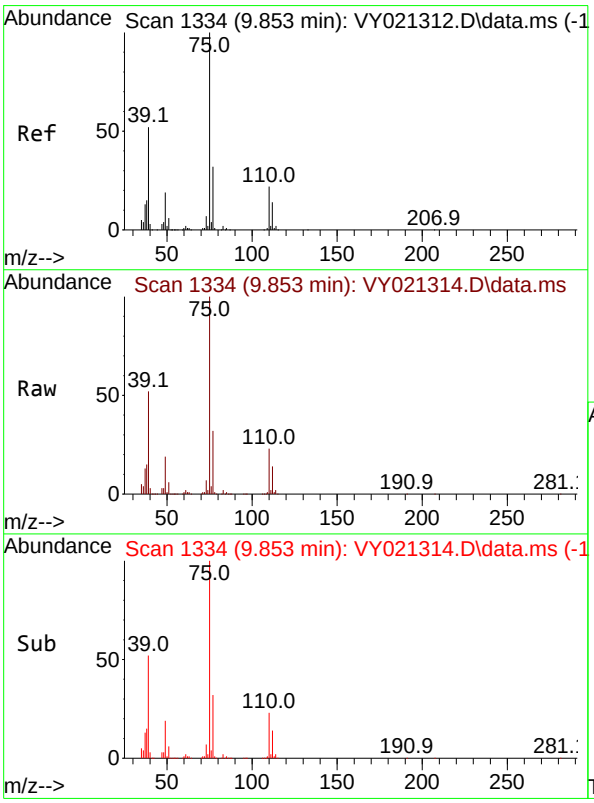
#53
t-1,3-Dichloropropene
Concen: 163.384 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 432560

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

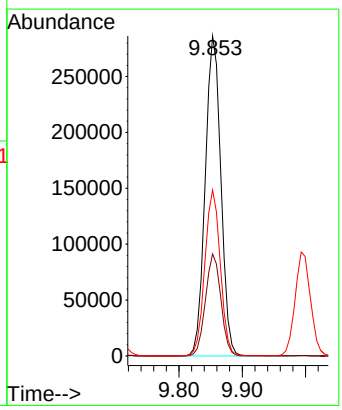


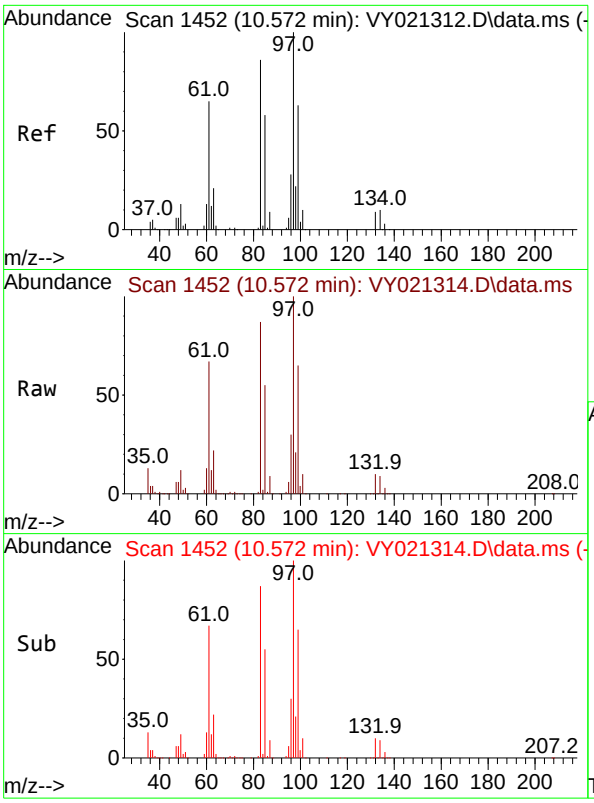


#54
cis-1,3-Dichloropropene
Concen: 157.928 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 493601

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	51.8	41.8	62.6



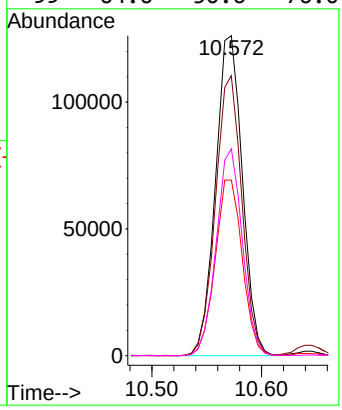


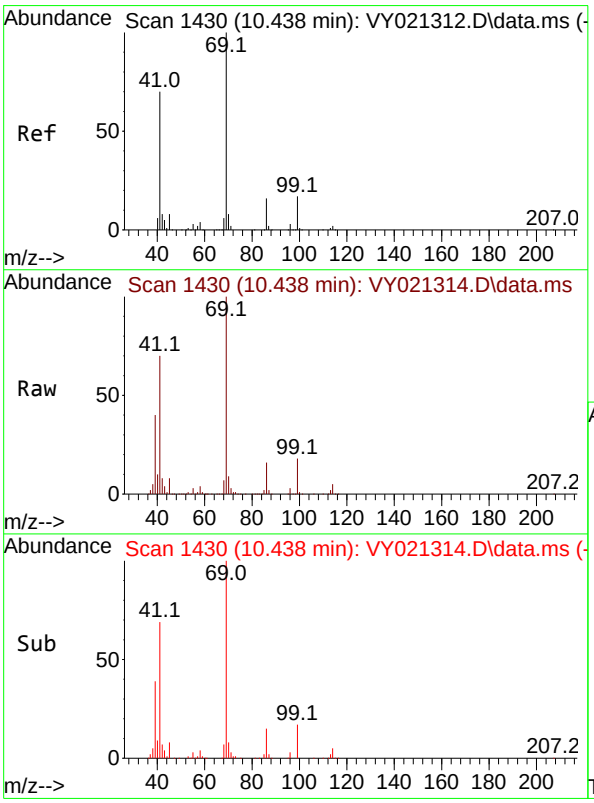
#55
1,1,2-Trichloroethane
Concen: 152.506 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 215312

Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.7	103.1
85	54.8	46.3	69.5
99	64.6	50.6	76.0

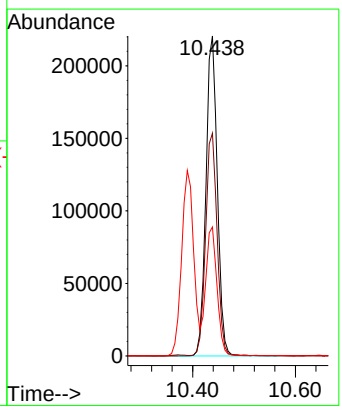


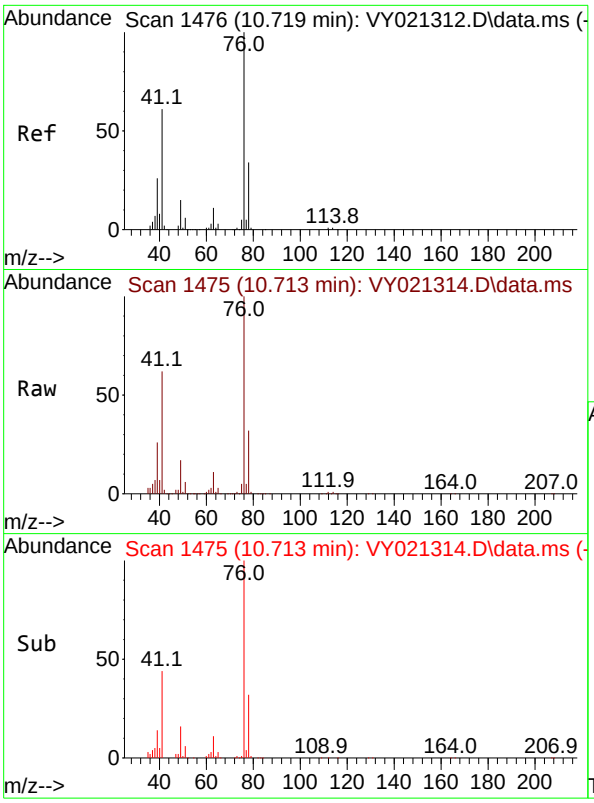


#56
Ethyl methacrylate
Concen: 173.168 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 69 Resp: 337816

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.0	32.7	49.1



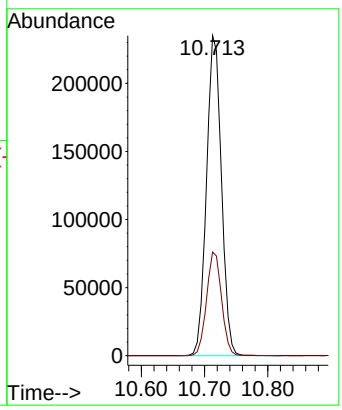


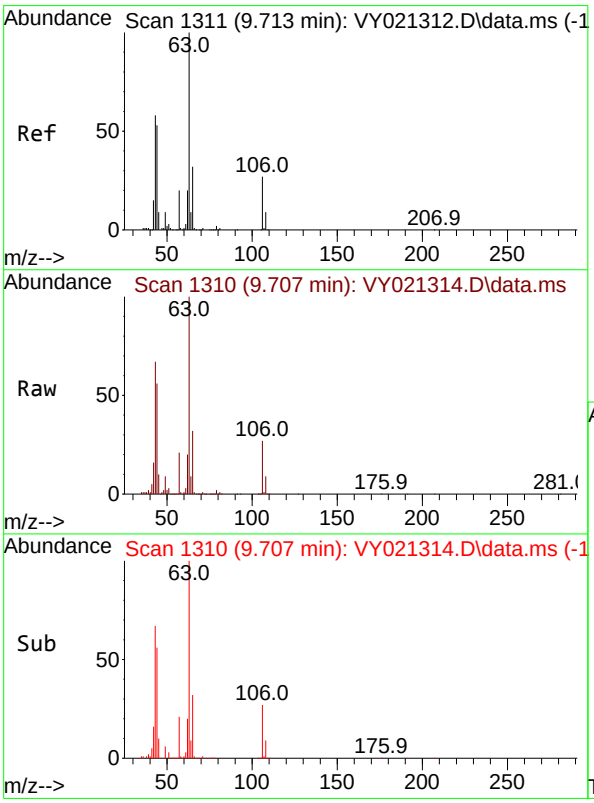
#57
1,3-Dichloropropane
Concen: 155.726 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 385803

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

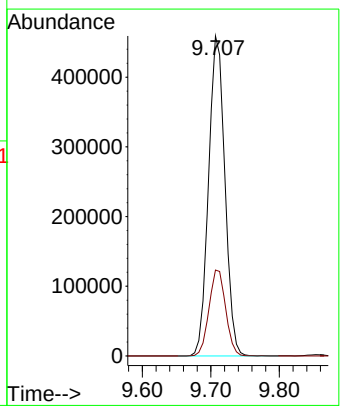


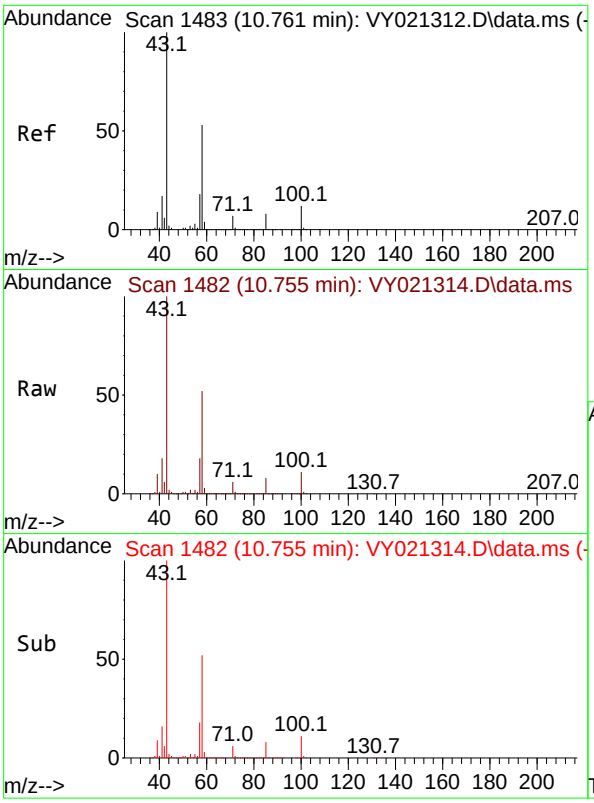


#58
2-Chloroethyl Vinyl ether
Concen: 812.859 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 761125

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.7	32.5



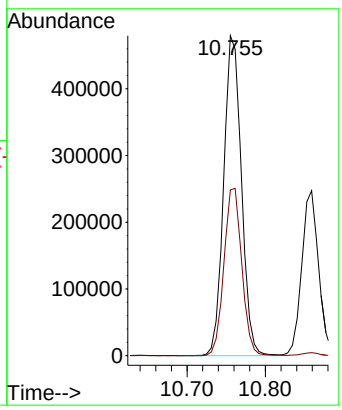


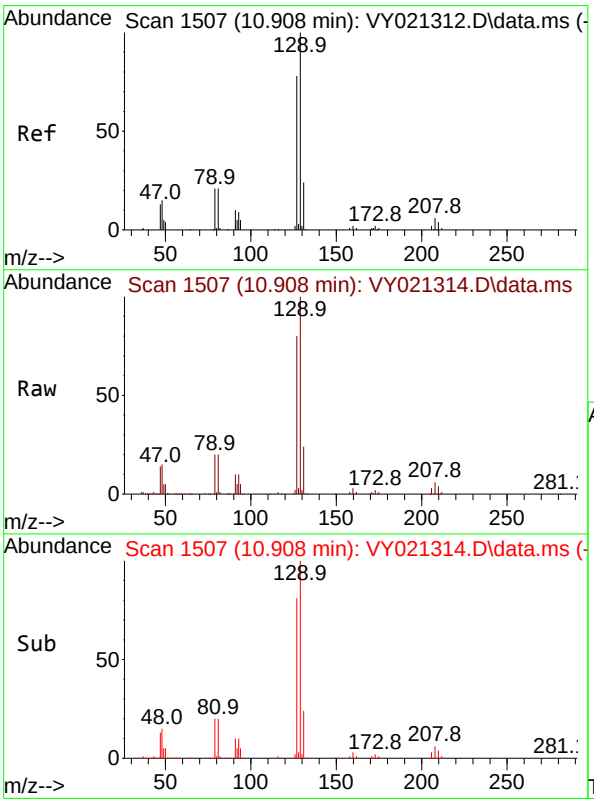
#59
2-Hexanone
Concen: 836.458 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 754575

Ion	Ratio	Lower	Upper
43	100		
58	52.8	25.9	77.6

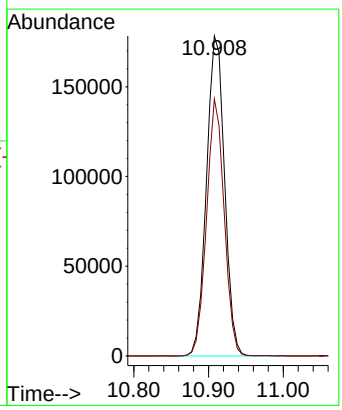


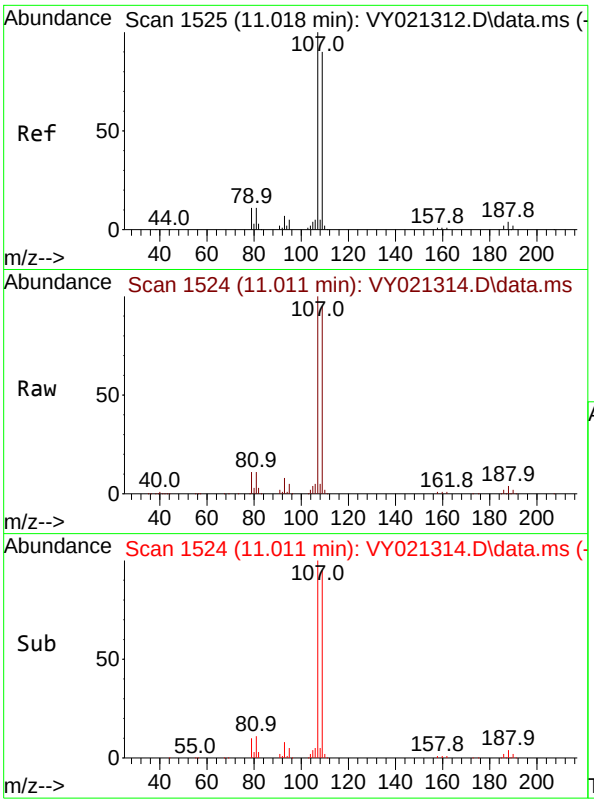


#60
Dibromochloromethane
Concen: 155.598 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:129 Resp: 299188

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.4



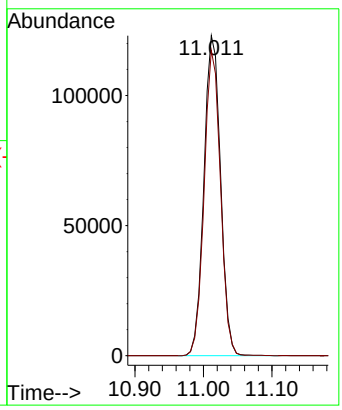


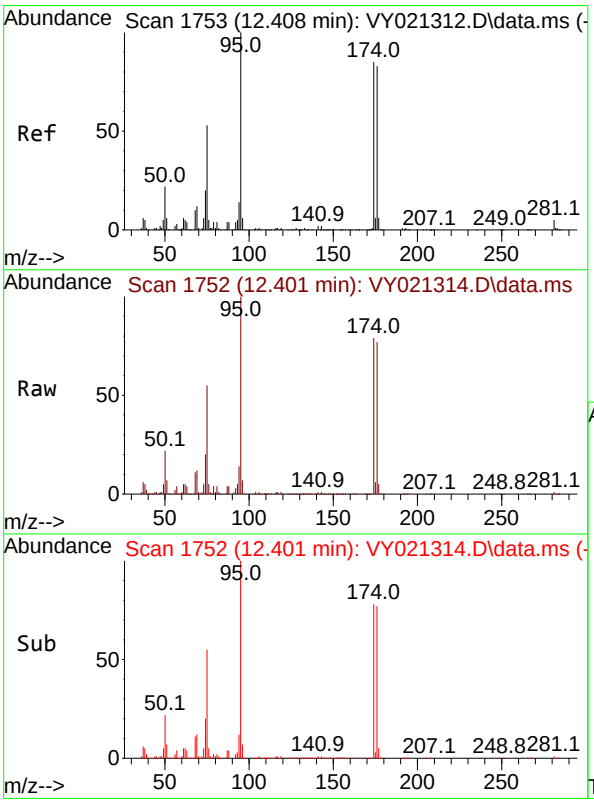
#61
1,2-Dibromoethane
Concen: 155.651 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 208046

Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.8	110.8

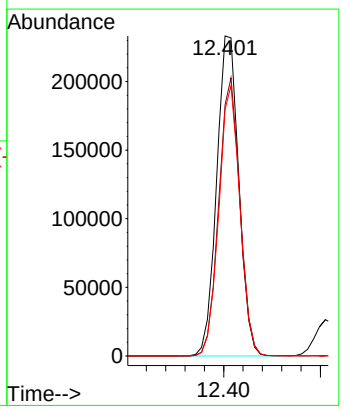


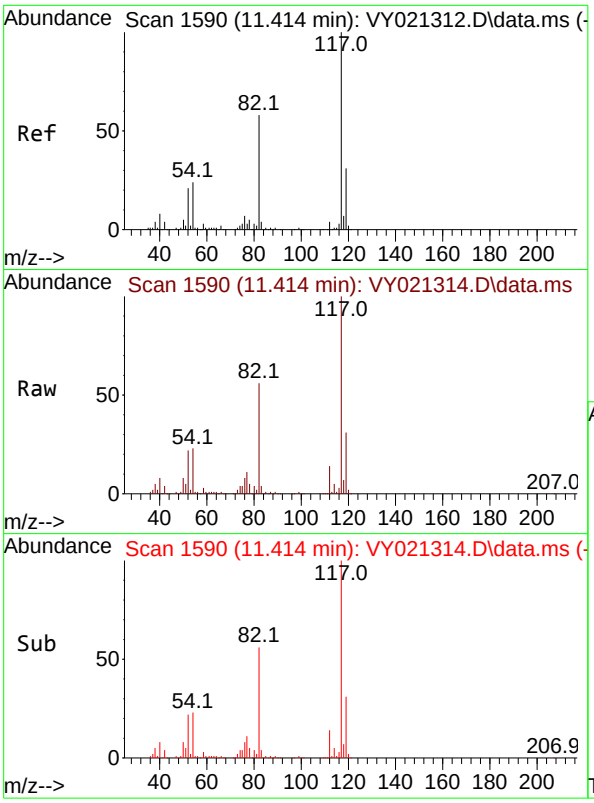


#62
4-Bromofluorobenzene
Concen: 152.937 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 95 Resp: 369071

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6



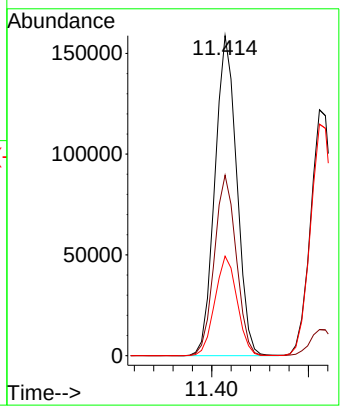


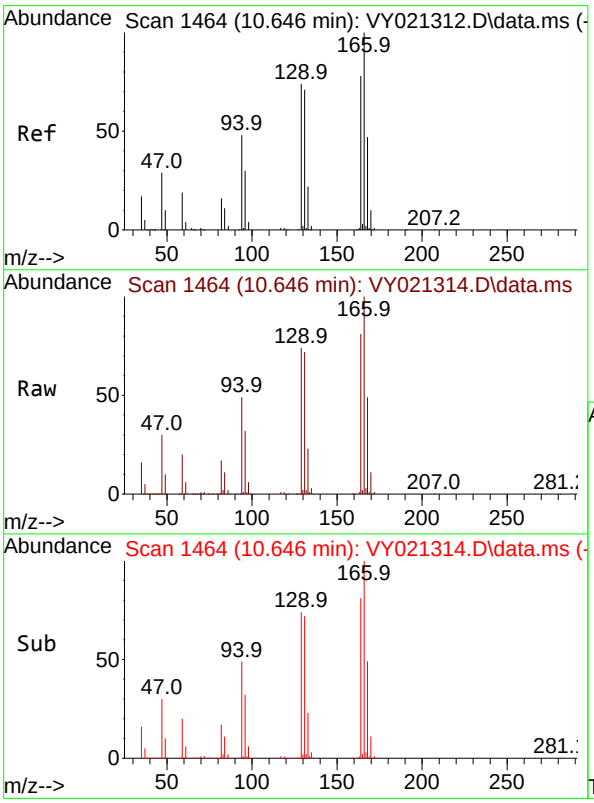
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 248493

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.2	69.4
119	31.1	24.9	37.3

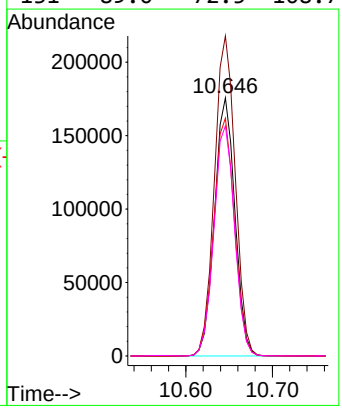


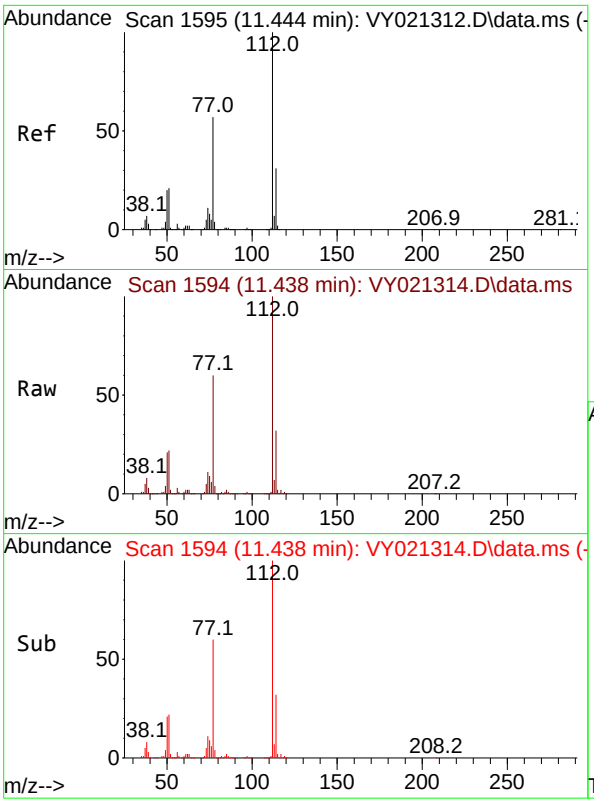


#64
Tetrachloroethene
Concen: 153.351 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:164 Resp: 288026

Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.9	152.9
129	92.1	75.5	113.3
131	89.0	72.5	108.7



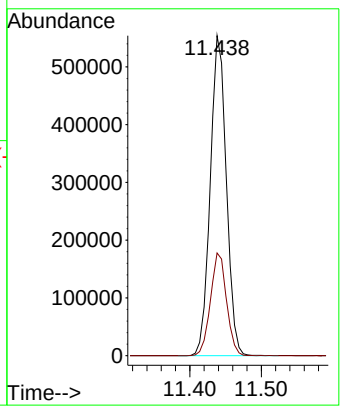


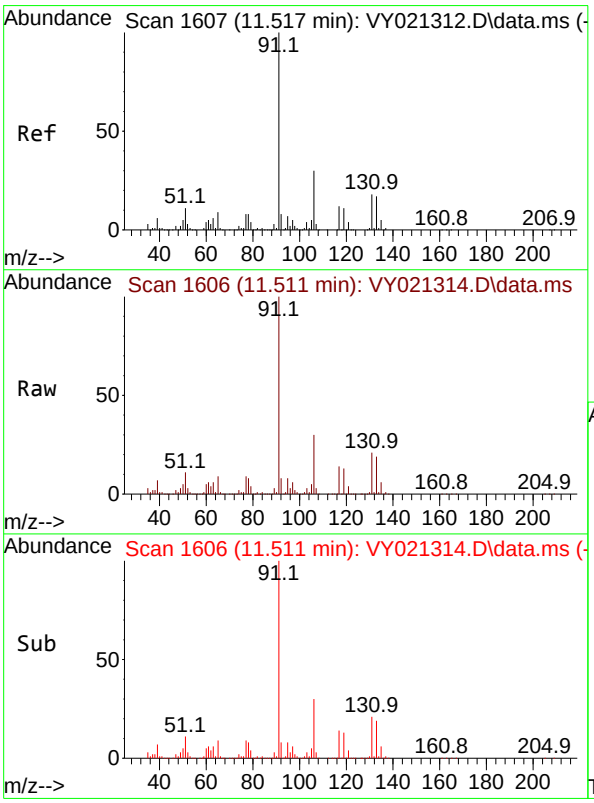
#65
Chlorobenzene
Concen: 154.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 863676

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

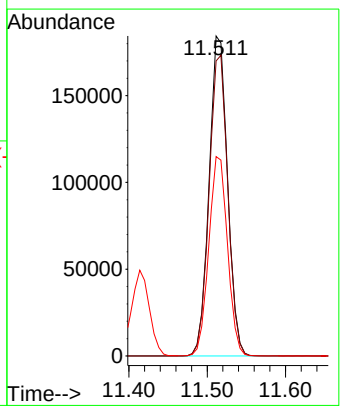


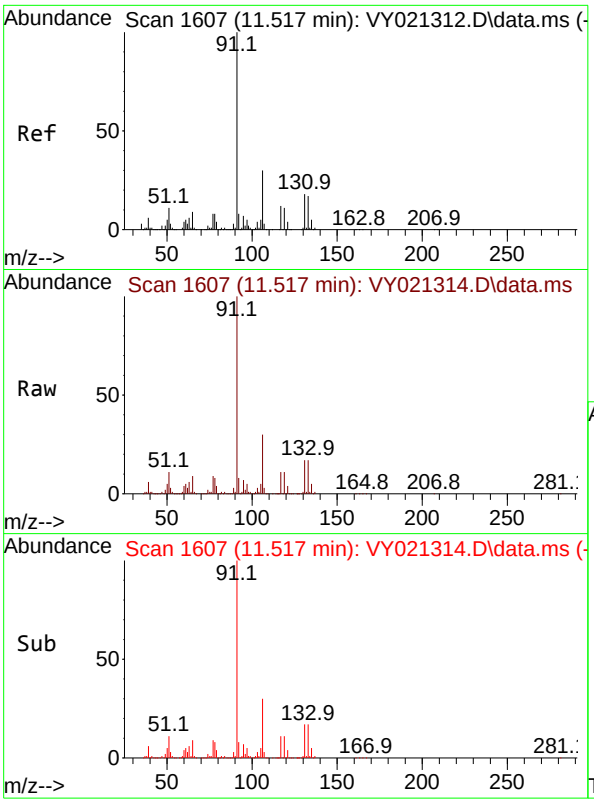


#66
1,1,1,2-Tetrachloroethane
Concen: 154.234 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:131 Resp: 301244

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.9	143.6
119	63.3	31.7	95.1



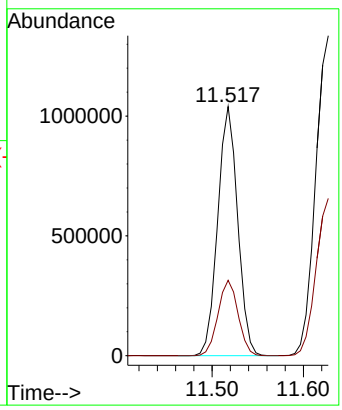


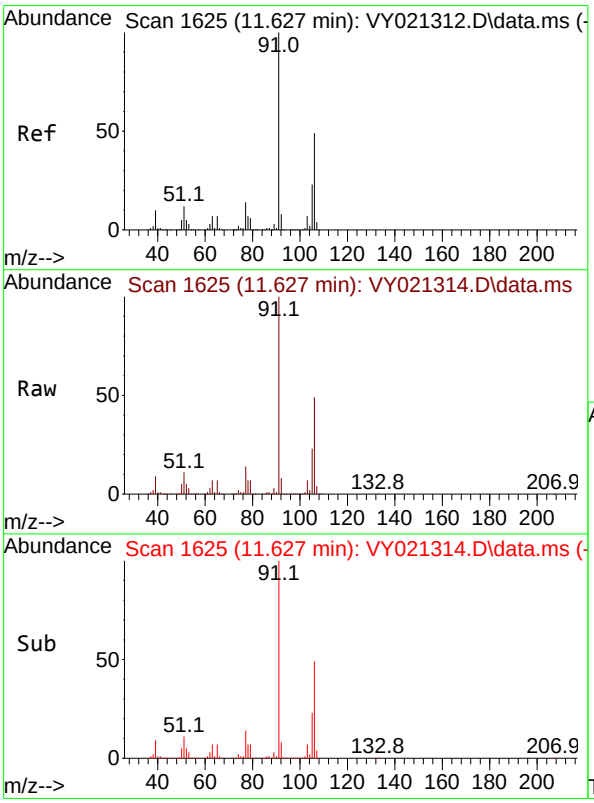
#67
Ethyl Benzene
Concen: 159.586 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1576743

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.4	36.6

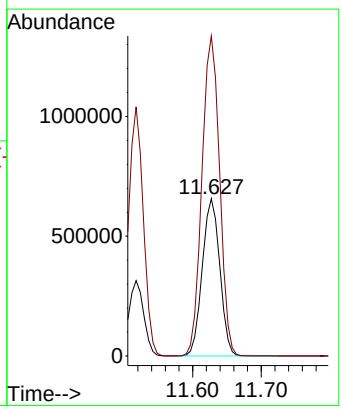


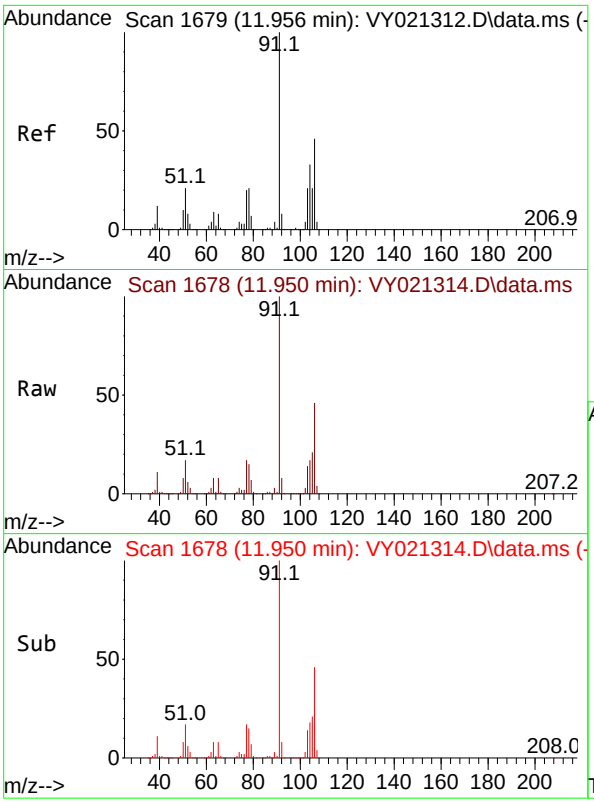


#68
m/p-Xylenes
Concen: 314.246 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 1167839

Ion	Ratio	Lower	Upper
106	100		
91	205.5	163.9	245.9



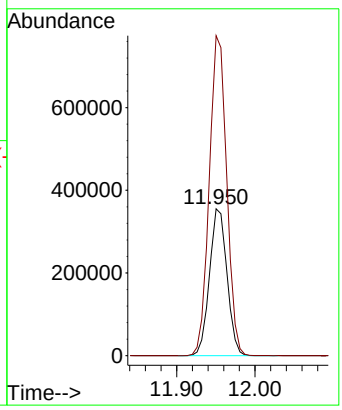


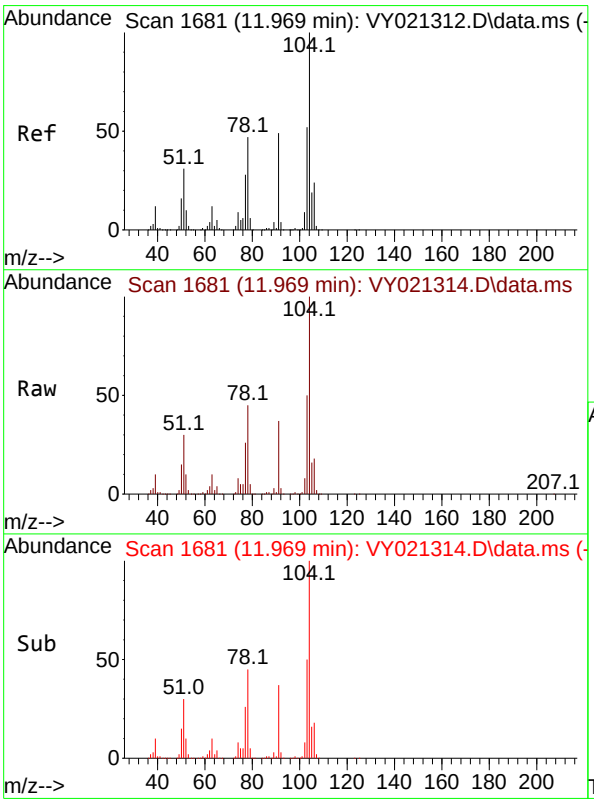
#69
o-Xylene
Concen: 158.258 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 550972

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.1	324.2

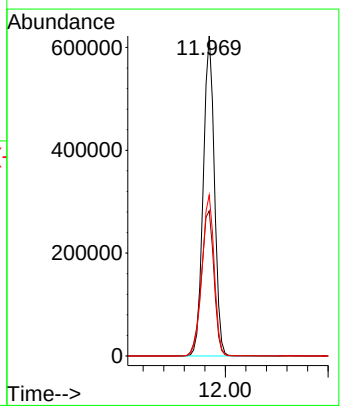


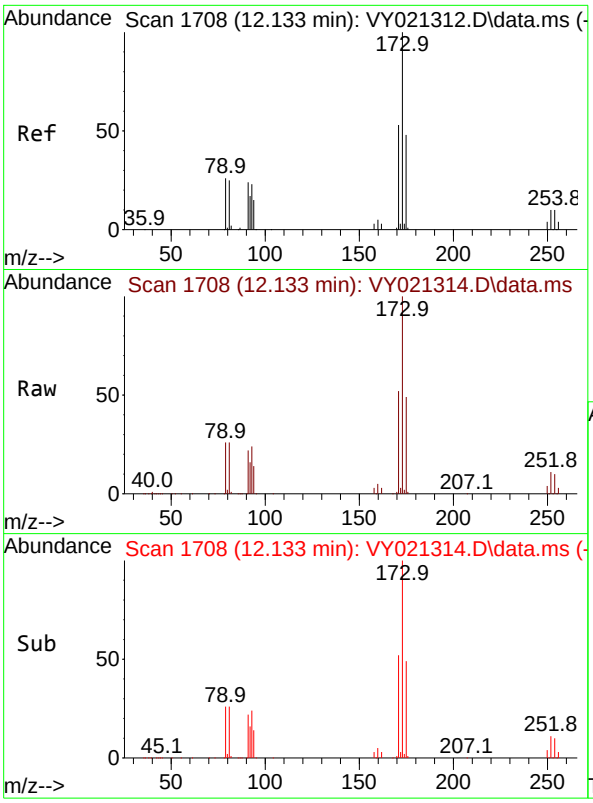


#70
Styrene
Concen: 161.754 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:104 Resp: 936967

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.3	61.9
103	55.0	43.9	65.9



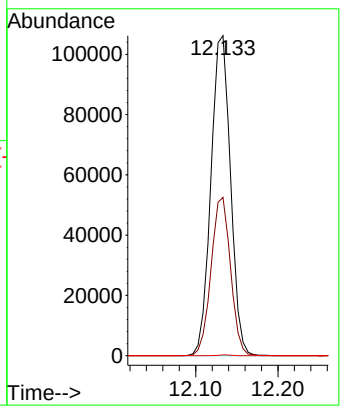


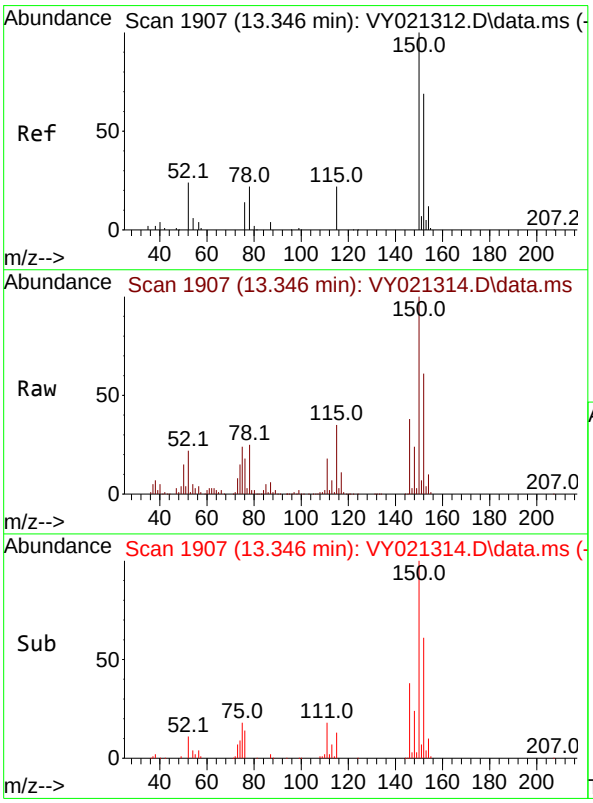
#71
Bromoform
Concen: 157.441 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 175918

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.1	0.1#

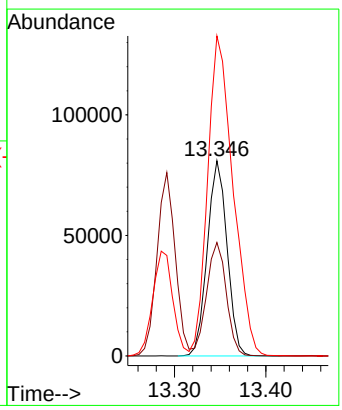


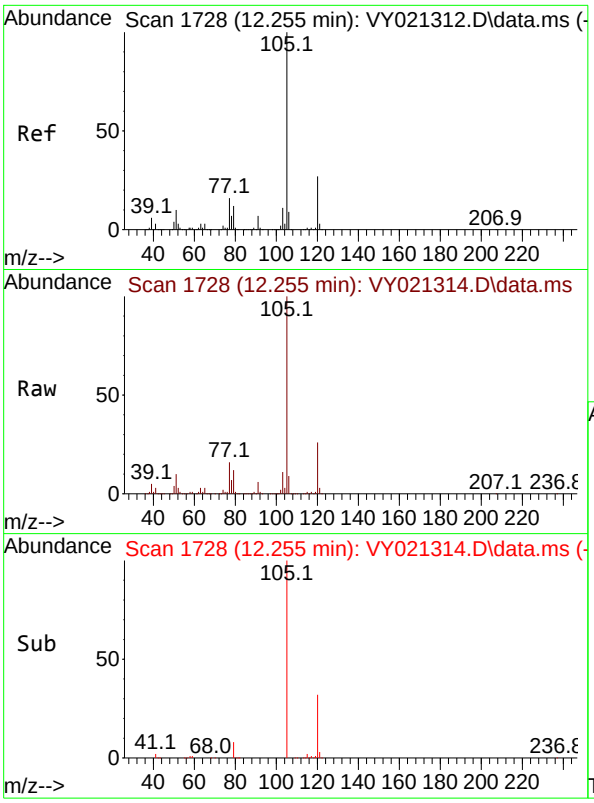


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:152 Resp: 121558

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	210.8	0.0	347.4



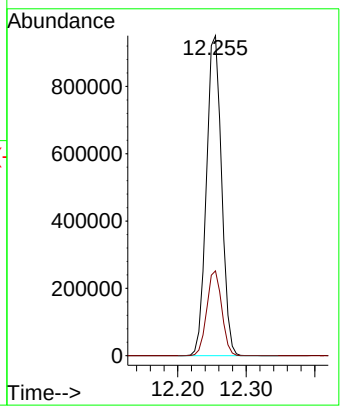


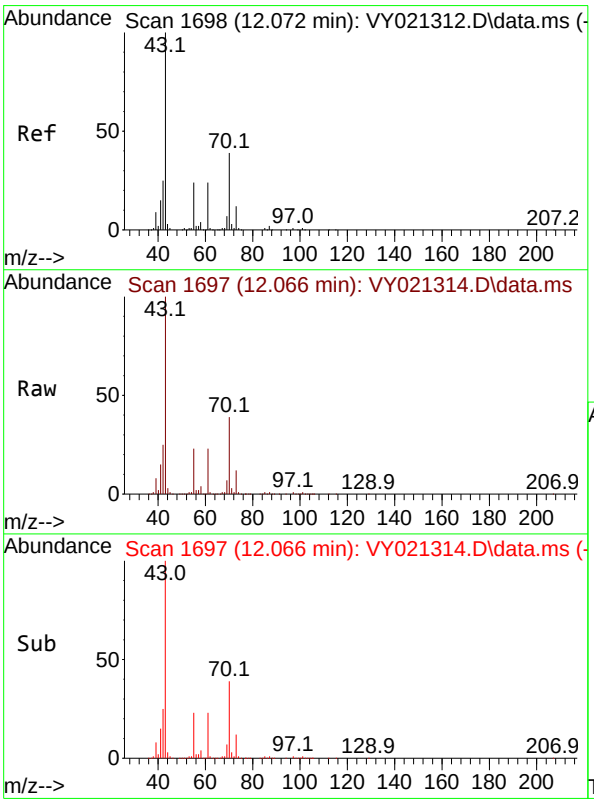
#73
Isopropylbenzene
Concen: 159.969 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1461905

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8

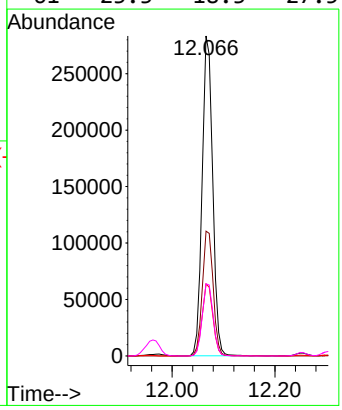


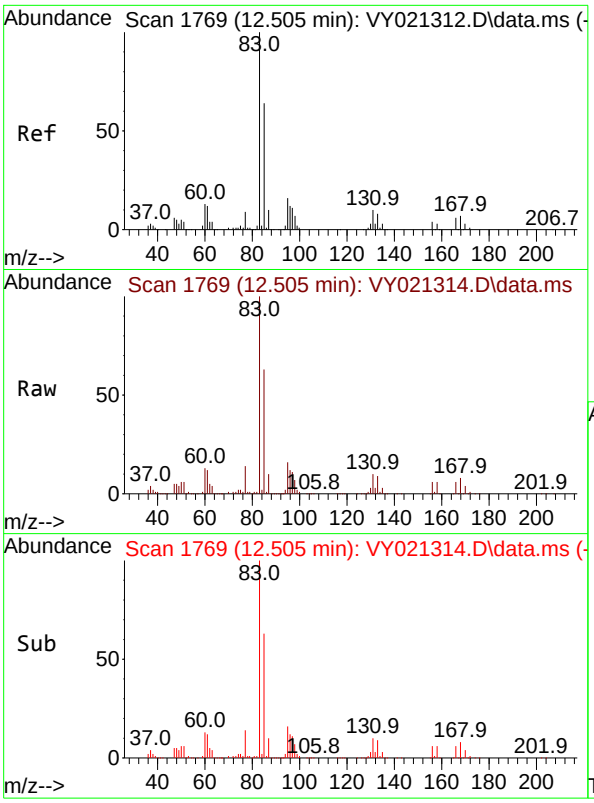


#74
N-amyl acetate
Concen: 173.596 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 403238

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	23.0	19.6	29.4
61	23.3	18.3	27.5



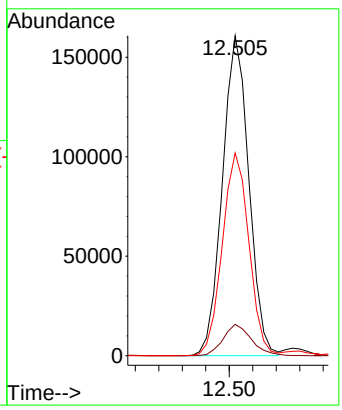


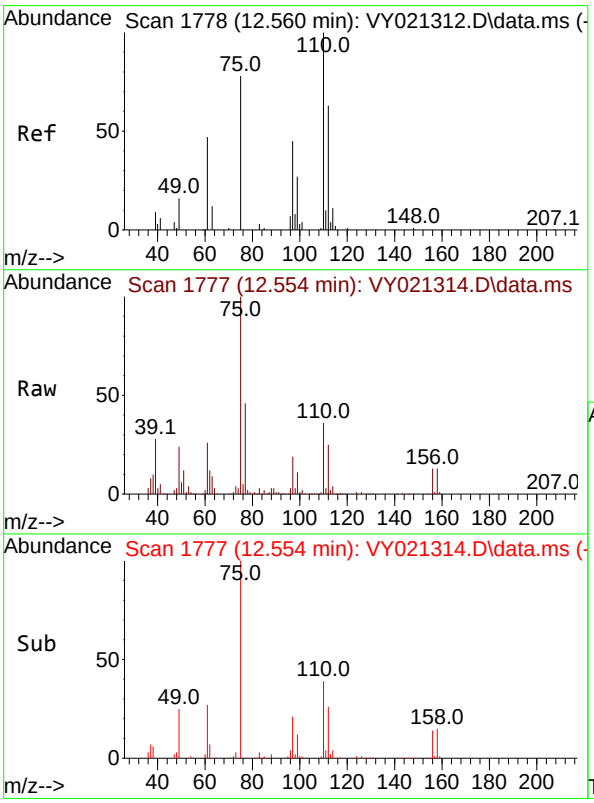
#75
1,1,2,2-Tetrachloroethane
Concen: 155.759 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 251216

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	63.8	32.0	96.0

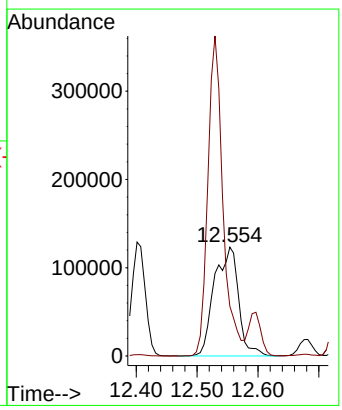


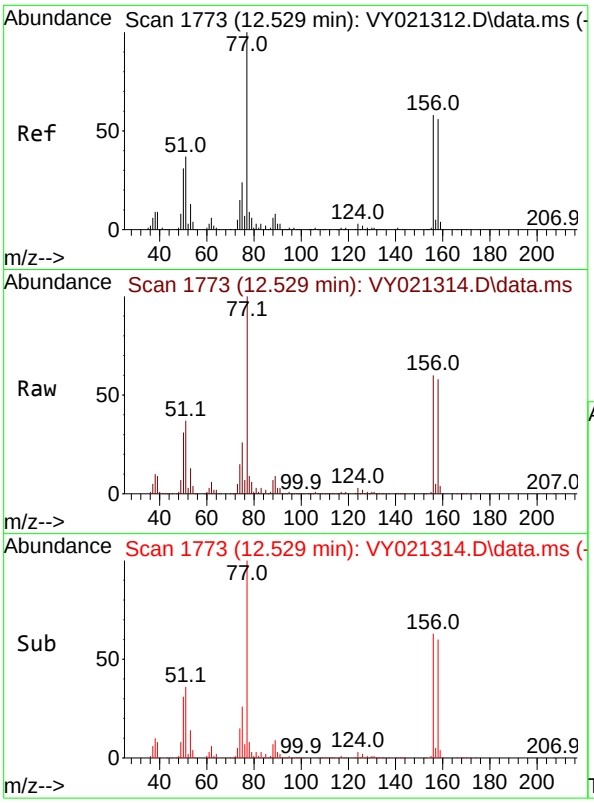


#76
1,2,3-Trichloropropane
Concen: 277.334 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 339496

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



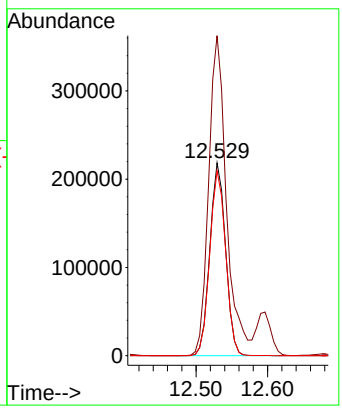


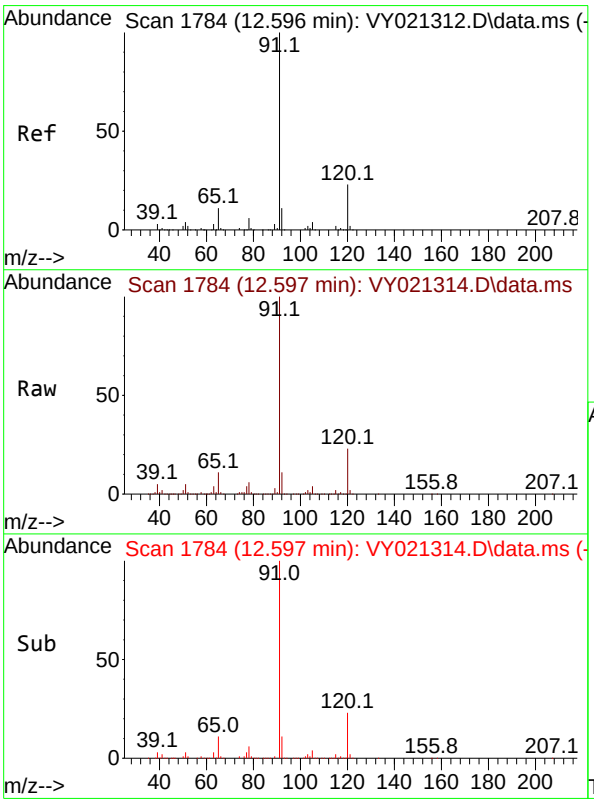
#77
Bromobenzene
Concen: 157.025 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 333772

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.0	48.7	146.1

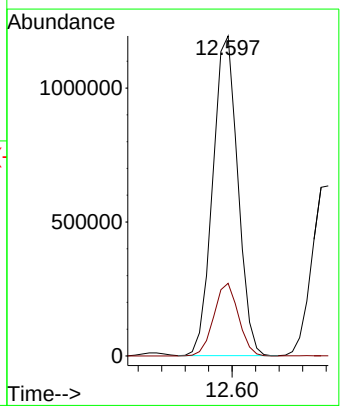


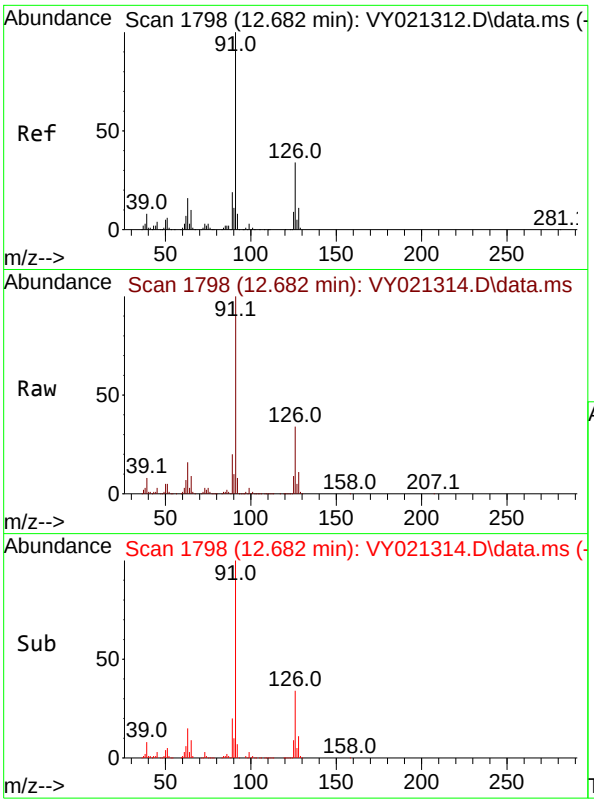


#78
n-propylbenzene
Concen: 159.217 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1765636

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5



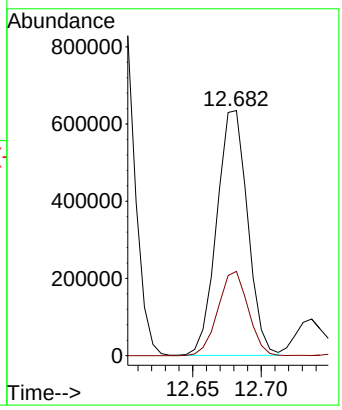


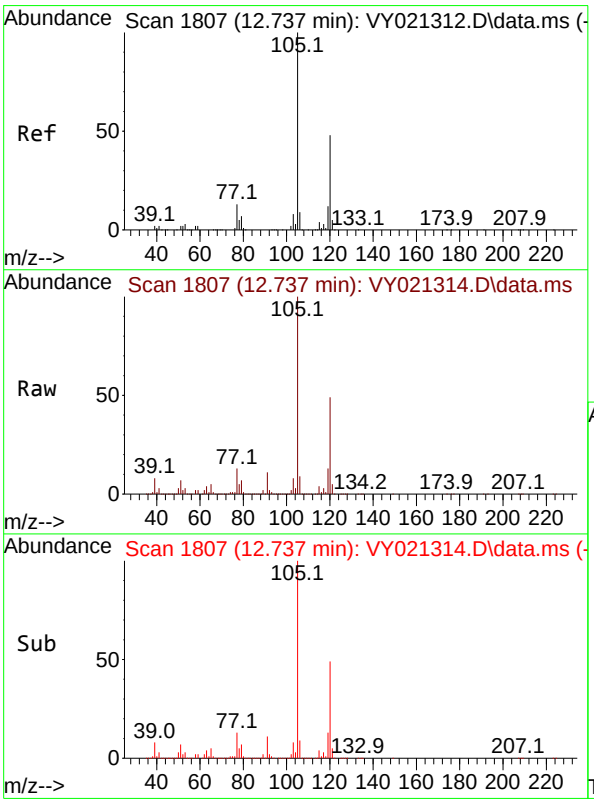
#79
2-Chlorotoluene
Concen: 156.411 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 995452

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

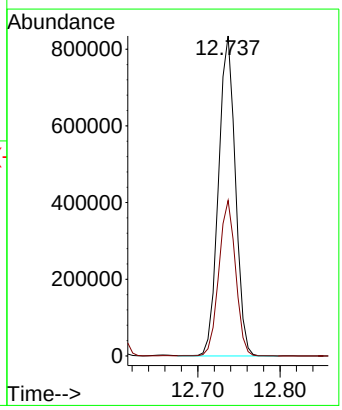


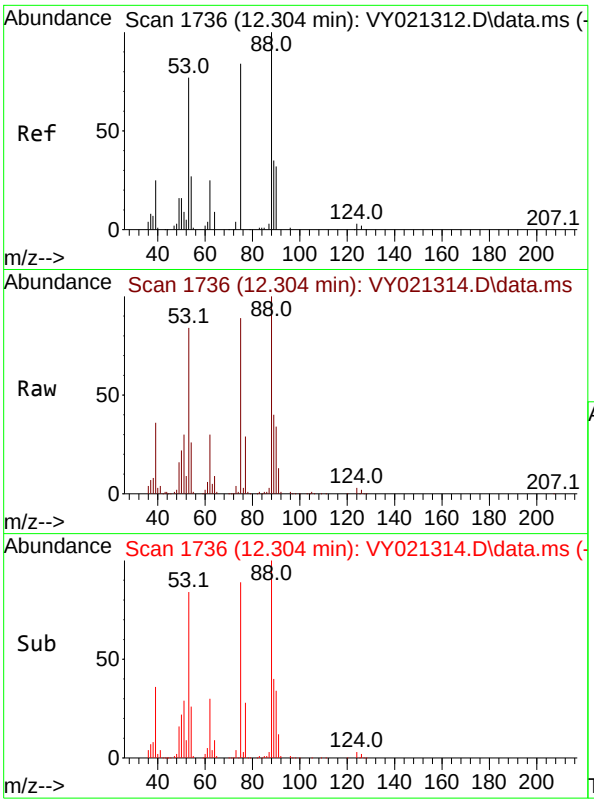


#80
1,3,5-Trimethylbenzene
Concen: 158.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1190462

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0



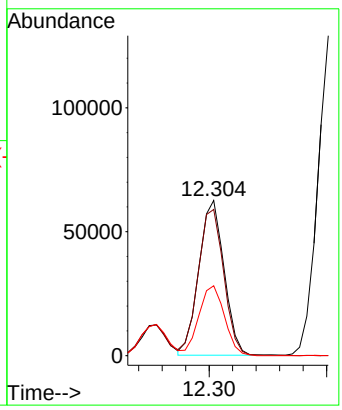


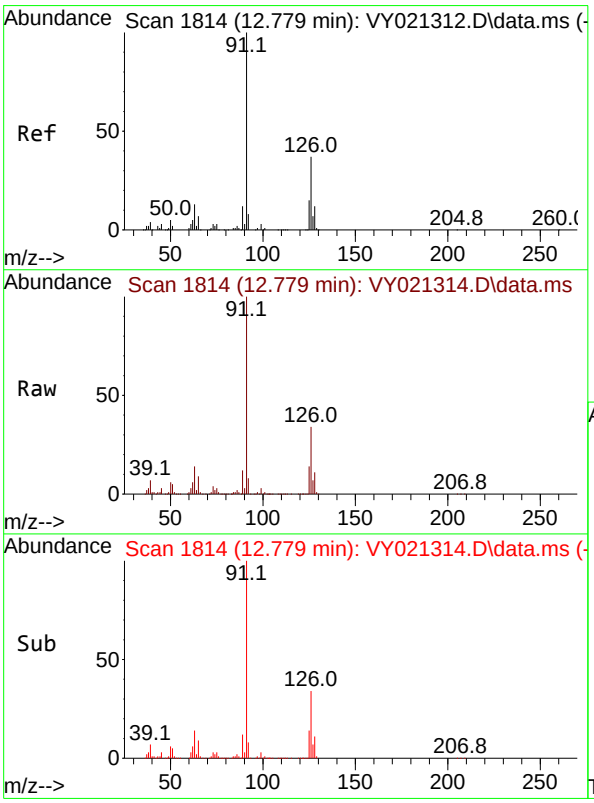
#81
trans-1,4-Dichloro-2-butene
Concen: 169.722 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 92910

Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.1	118.7
89	46.3	35.6	53.4

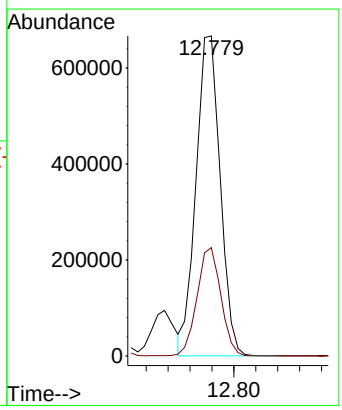


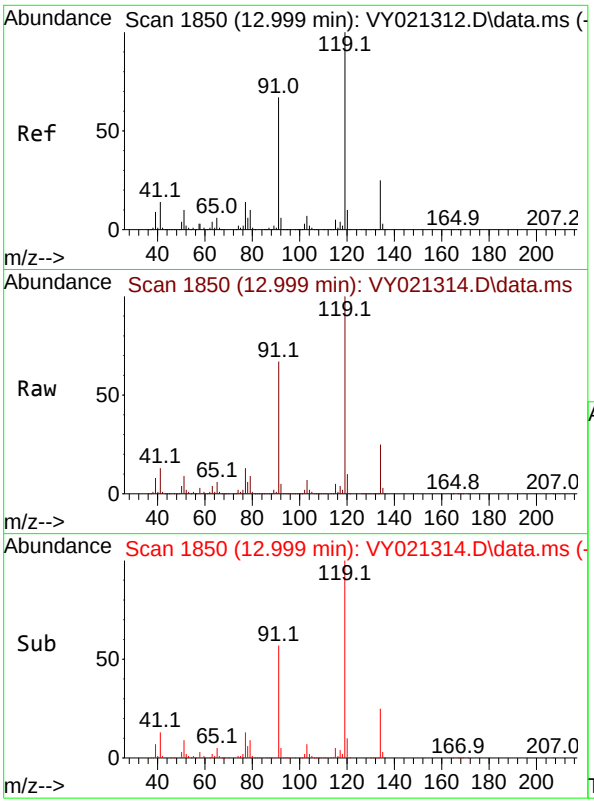


#82
4-Chlorotoluene
Concen: 154.883 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1021811

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.4



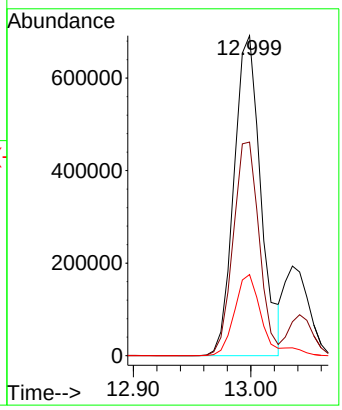


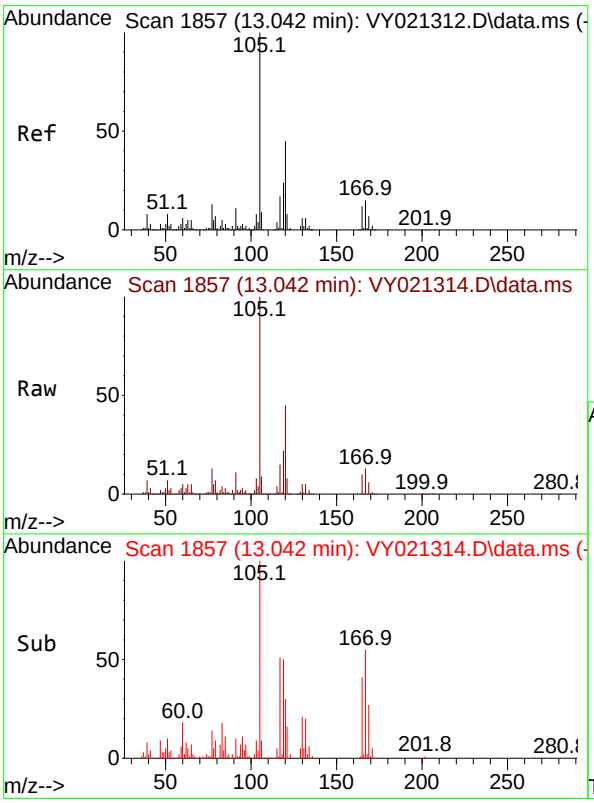
#83
tert-Butylbenzene
Concen: 161.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1094125

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.2	13.3	39.9

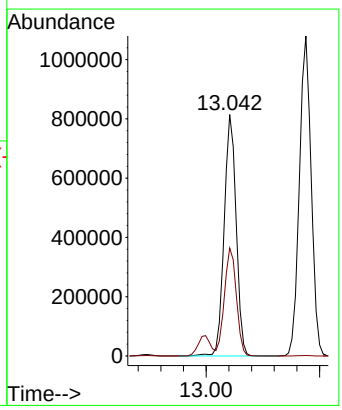


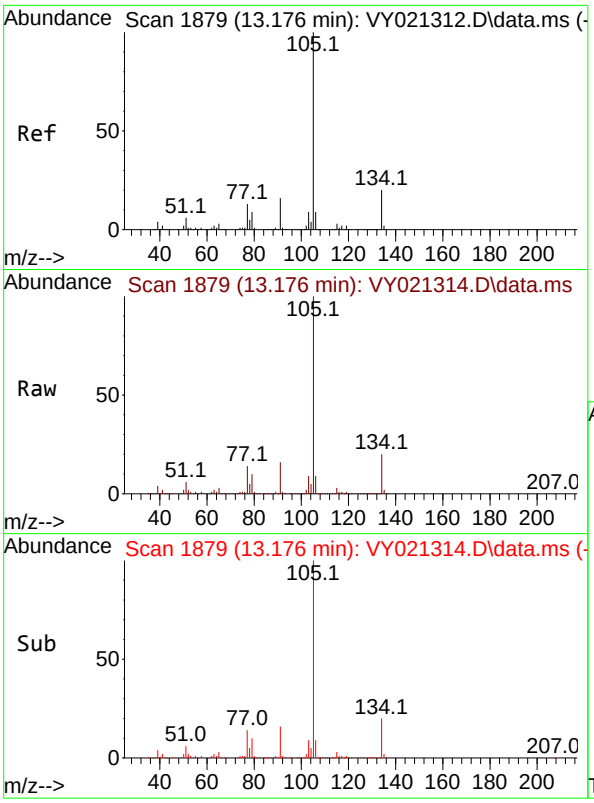


#84
1,2,4-Trimethylbenzene
Concen: 159.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1192062

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3



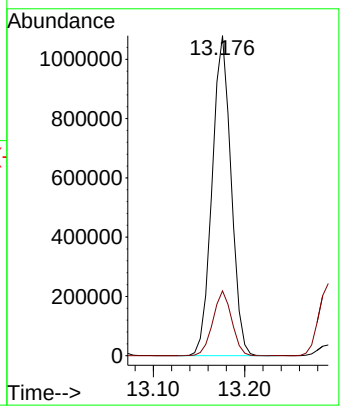


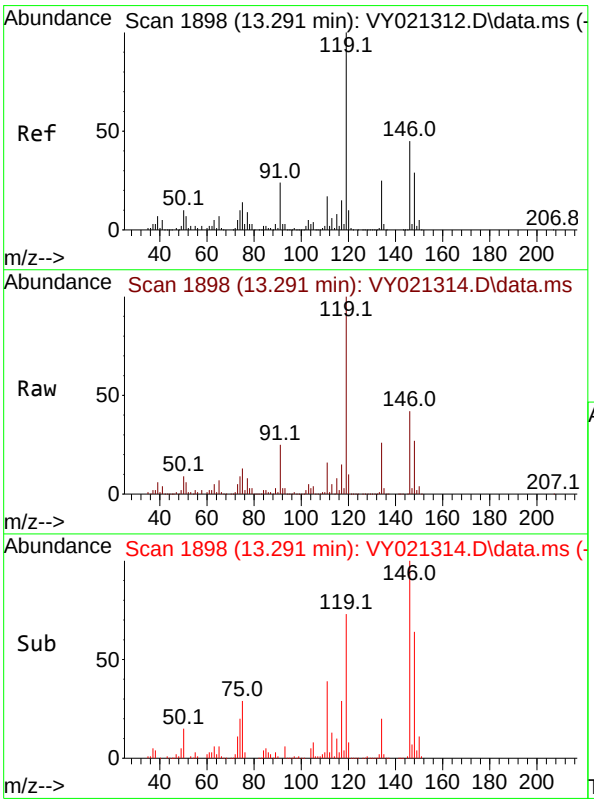
#85
sec-Butylbenzene
Concen: 157.594 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1558540

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

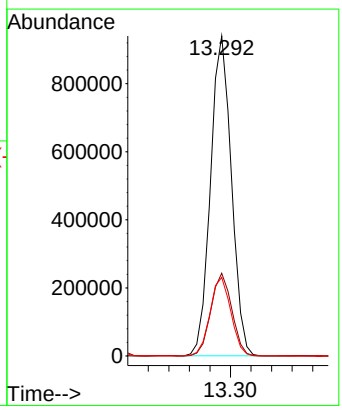


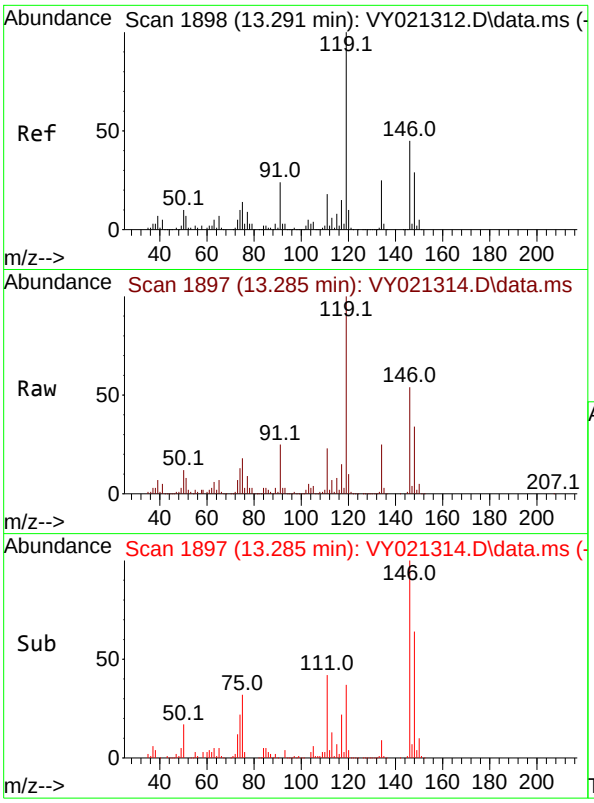


#86
p-Isopropyltoluene
Concen: 160.795 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 1327819

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.5	12.0	36.1



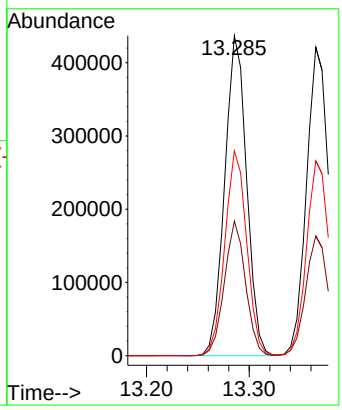


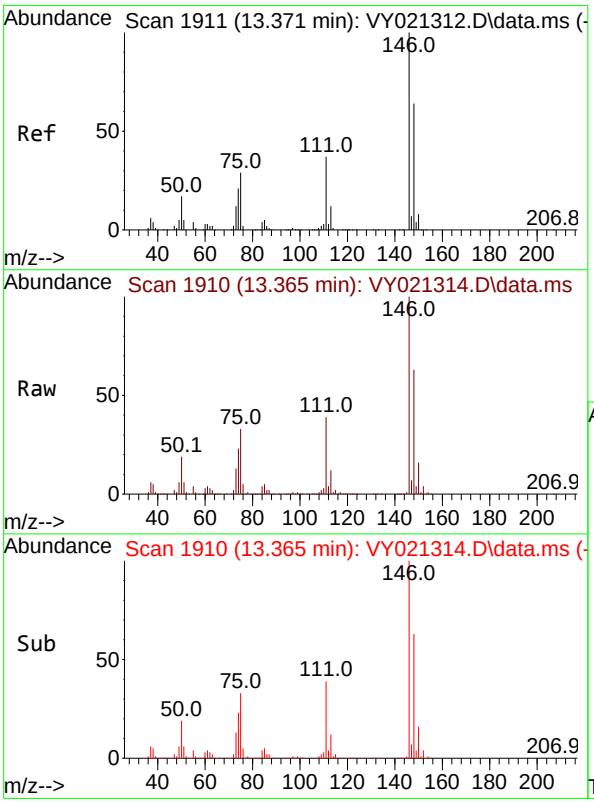
#87
1,3-Dichlorobenzene
Concen: 154.161 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 648204

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	31.9	95.9

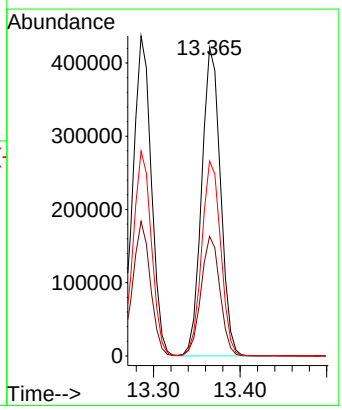


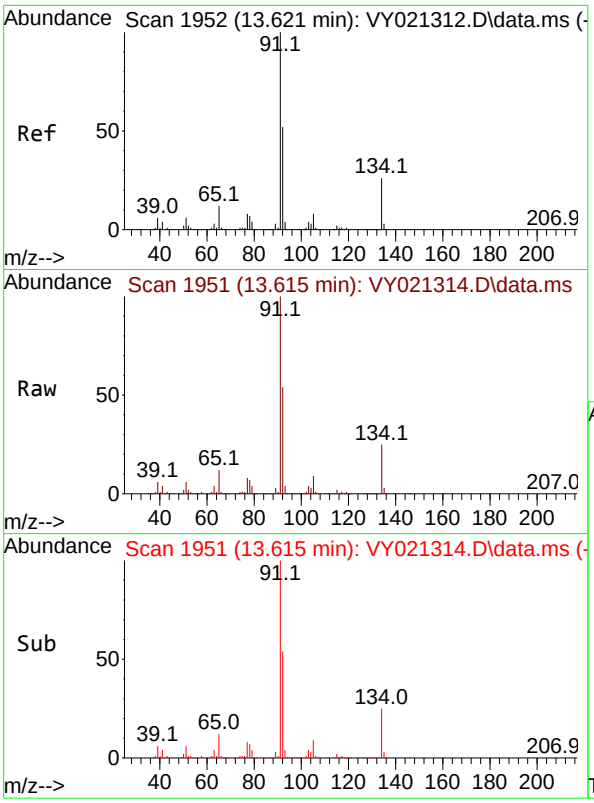


#88
1,4-Dichlorobenzene
Concen: 153.109 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 635981

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.7	32.0	96.2



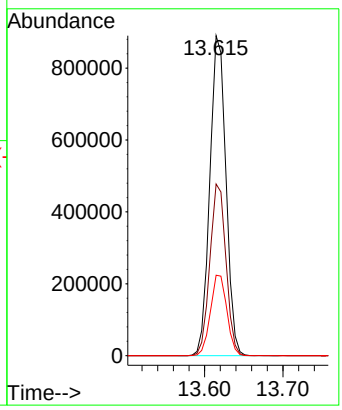


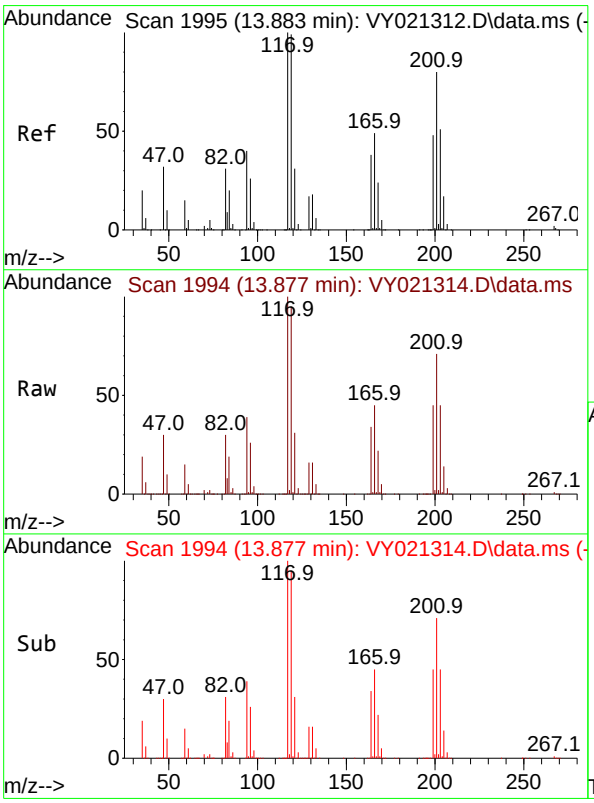
#89
n-Butylbenzene
Concen: 163.350 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1269399

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	25.7	12.7	38.0

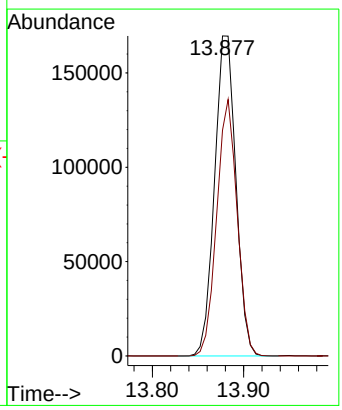


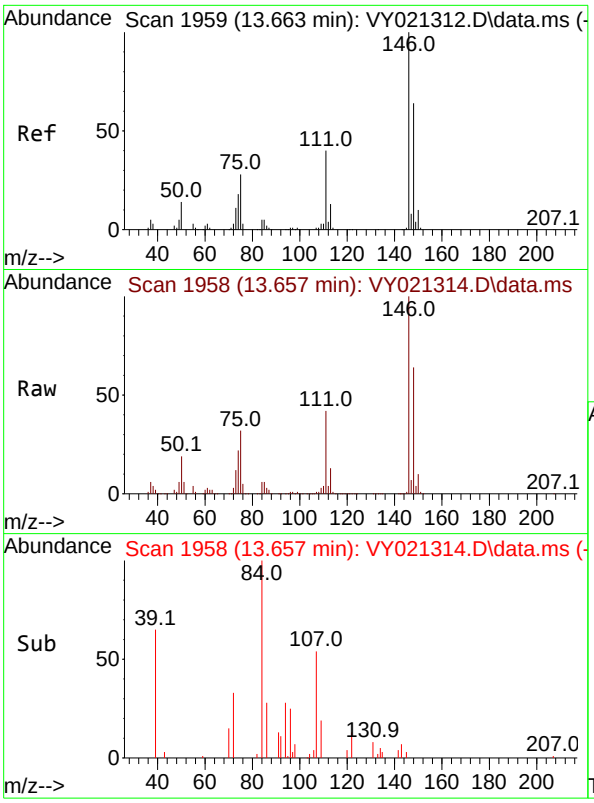


#90
Hexachloroethane
Concen: 159.641 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 275368

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2



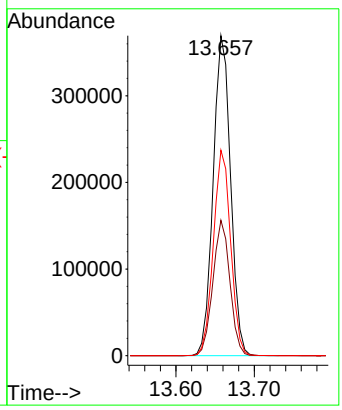


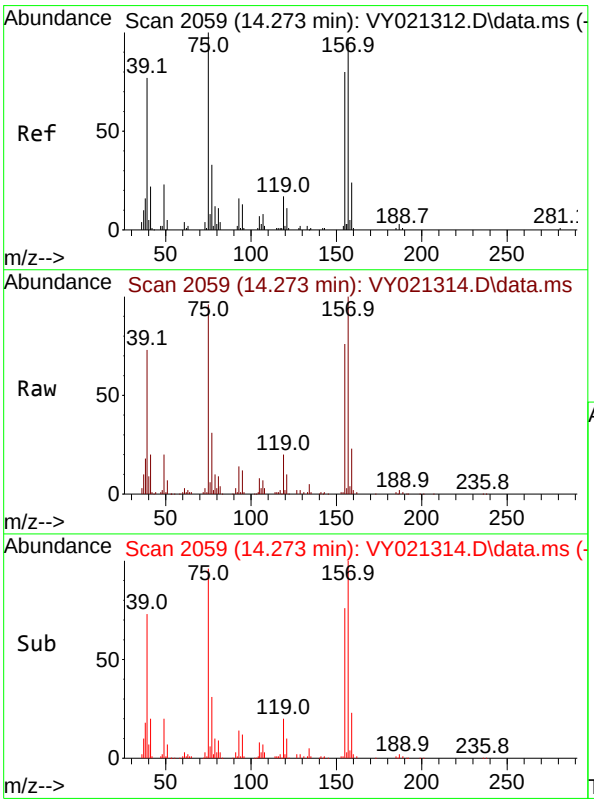
#91
1,2-Dichlorobenzene
Concen: 154.826 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 570360

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.8	31.7	95.1

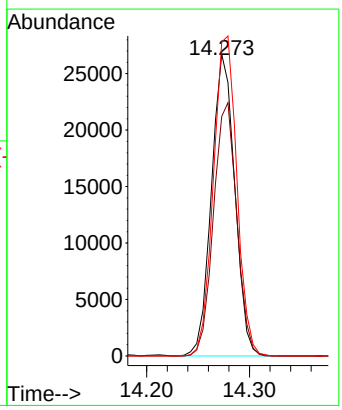


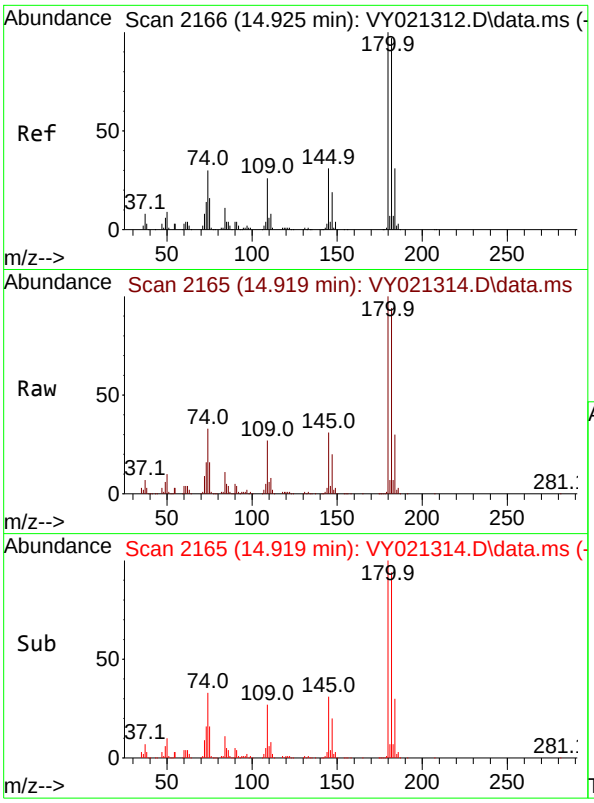


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.851 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 42060

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.9	125.6
157	106.6	52.5	157.6



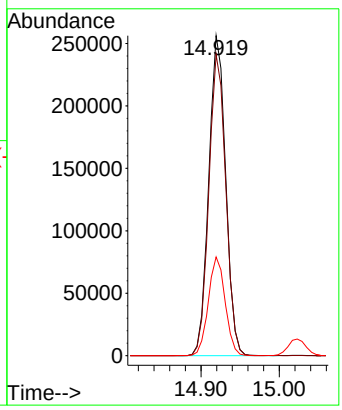


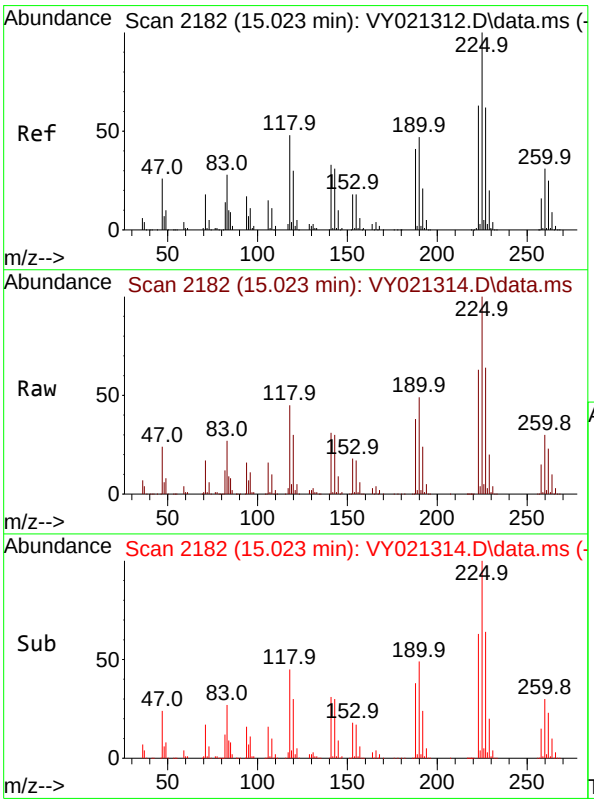
#93
1,2,4-Trichlorobenzene
Concen: 170.860 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 384163

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8

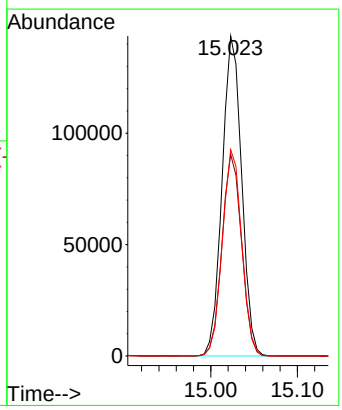


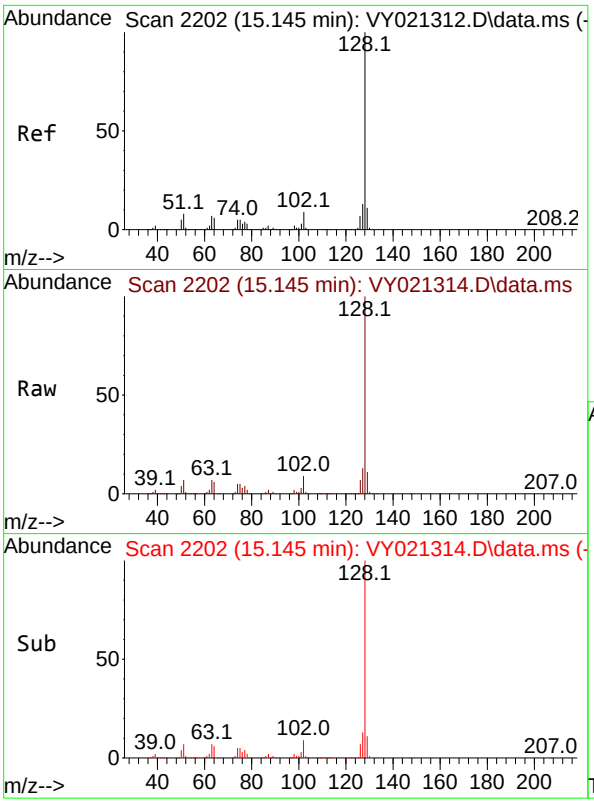


#94
Hexachlorobutadiene
Concen: 158.670 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:225 Resp: 224602

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	64.2	31.9	95.7



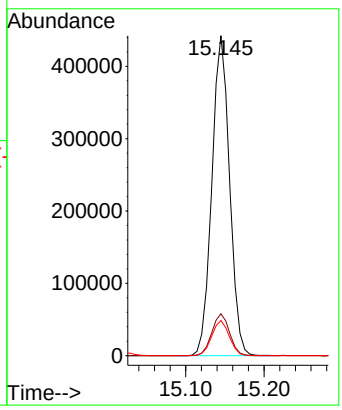


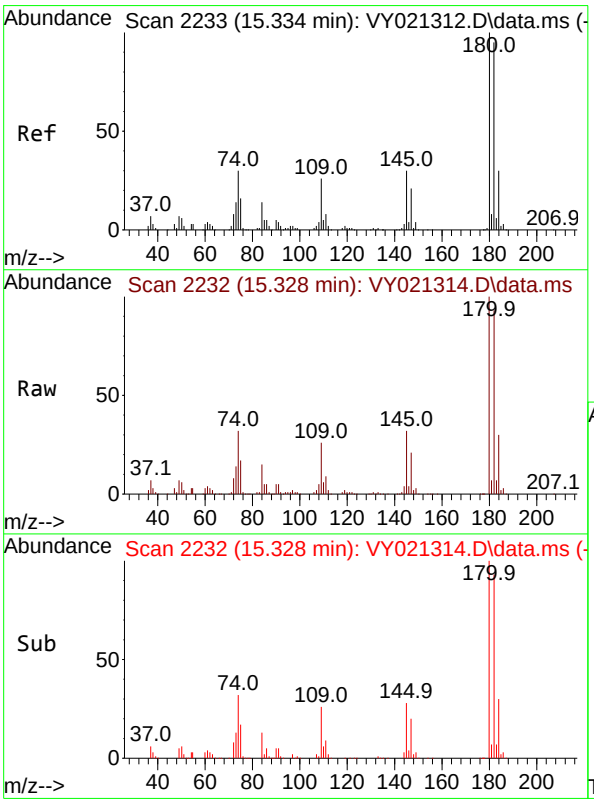
#95
Naphthalene
Concen: 186.517 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 694625

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.5	12.7

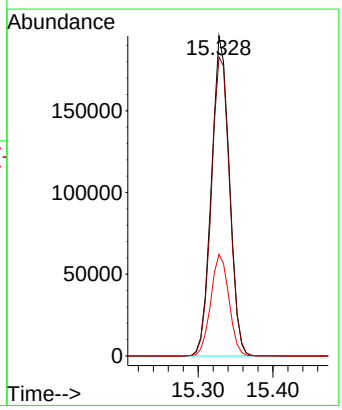




#96
1,2,3-Trichlorobenzene
Concen: 172.067 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 326876

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.1	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	190677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	300486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208535	96.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.820%#			
35) Dibromofluoromethane	7.634	113	193803	98.377	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.760%#			
50) Toluene-d8	10.103	98	752895	98.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.780%#			
62) 4-Bromofluorobenzene	12.408	95	252327	98.477	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 196.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	170537	94.332	ug/l	97
3) Chloromethane	2.068	50	217555	93.180	ug/l	99
4) Vinyl Chloride	2.202	62	221196	96.523	ug/l	97
5) Bromomethane	2.592	94	136840	89.858	ug/l	100
6) Chloroethane	2.732	64	135372	95.259	ug/l	99
7) Trichlorofluoromethane	3.056	101	331928	95.909	ug/l	95
8) Diethyl Ether	3.452	74	100381	96.637	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	193544	96.593	ug/l	99
10) Methyl Iodide	4.000	142	228728	108.503	ug/l	100
11) Tert butyl alcohol	4.854	59	65742	395.134	ug/l	99
12) 1,1-Dichloroethene	3.787	96	186684	97.304	ug/l	99
13) Acrolein	3.653	56	11267	88.370	ug/l	99
14) Allyl chloride	4.378	41	339203	99.720	ug/l	99
15) Acrylonitrile	5.055	53	219275	477.449	ug/l	99
16) Acetone	3.866	43	196435	473.421	ug/l	99
17) Carbon Disulfide	4.104	76	617661	96.953	ug/l	100
18) Methyl Acetate	4.385	43	95405	94.085	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	498467	98.337	ug/l	99
20) Methylene Chloride	4.616	84	201698	89.894	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	208498	98.718	ug/l	96
22) Diisopropyl ether	6.018	45	697290	99.061	ug/l	97
23) Vinyl Acetate	5.957	43	2103219	500.017	ug/l	99
24) 1,1-Dichloroethane	5.909	63	384030	96.798	ug/l	99
25) 2-Butanone	6.890	43	303077	483.977	ug/l	97
26) 2,2-Dichloropropane	6.884	77	350870	97.467	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	238916	99.061	ug/l	99
28) Bromochloromethane	7.244	49	167271	95.287	ug/l	99
29) Tetrahydrofuran	7.256	42	199056	486.299	ug/l	98
30) Chloroform	7.421	83	387767	96.458	ug/l	99
31) Cyclohexane	7.701	56	351876	92.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	353701	96.663	ug/l	98
36) 1,1-Dichloropropene	7.835	75	287472	97.146	ug/l	100
37) Ethyl Acetate	6.982	43	137233	93.230	ug/l	99
38) Carbon Tetrachloride	7.817	117	321576	96.663	ug/l	99
39) Methylcyclohexane	9.109	83	371172	99.169	ug/l	99
40) Benzene	8.079	78	847066	96.835	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	77542	94.219	ug/l		99
42) 1,2-Dichloroethane	8.152	62	236704	95.375	ug/l		100
43) Isopropyl Acetate	8.195	43	280321	98.388	ug/l		99
44) Trichloroethene	8.865	130	212562	97.057	ug/l		99
45) 1,2-Dichloropropane	9.140	63	201701	95.814	ug/l		98
46) Dibromomethane	9.231	93	110814	96.301	ug/l		99
47) Bromodichloromethane	9.420	83	297320	96.904	ug/l		99
48) Methyl methacrylate	9.219	41	135412	101.635	ug/l		99
49) 1,4-Dioxane	9.225	88	24355	1903.504	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	716009	490.938	ug/l		100
52) Toluene	10.170	92	539016	99.189	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	284731	101.290	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	328107	98.870	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	142372	94.975	ug/l		98
56) Ethyl methacrylate	10.438	69	216586	104.564	ug/l		98
57) 1,3-Dichloropropane	10.719	76	255903	97.283	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	530695	533.791	ug/l		100
59) 2-Hexanone	10.761	43	485734	507.115	ug/l		99
60) Dibromochloromethane	10.908	129	199225	97.582	ug/l		99
61) 1,2-Dibromoethane	11.011	107	136284	96.029	ug/l		98
64) Tetrachloroethene	10.646	164	189679	93.936	ug/l		99
65) Chlorobenzene	11.438	112	576109	96.070	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	203696	97.007	ug/l		99
67) Ethyl Benzene	11.517	91	1057129	99.522	ug/l		100
68) m/p-Xylenes	11.627	106	783034	195.986	ug/l		100
69) o-Xylene	11.956	106	370964	99.112	ug/l		100
70) Styrene	11.969	104	619437	99.469	ug/l		99
71) Bromoform	12.133	173	114495	95.313	ug/l	#	99
73) Isopropylbenzene	12.255	105	987758	100.648	ug/l		99
74) N-amyl acetate	12.072	43	258576	103.658	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	162941	94.075	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	221853	168.760	ug/l	#	100
77) Bromobenzene	12.529	156	223081	97.728	ug/l		98
78) n-propylbenzene	12.596	91	1186751	99.651	ug/l		100
79) 2-Chlorotoluene	12.682	91	666071	97.455	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	794247	98.676	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	58806	100.031	ug/l		99
82) 4-Chlorotoluene	12.779	91	687385	97.022	ug/l		100
83) tert-Butylbenzene	12.999	119	720480	99.092	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	795840	99.415	ug/l		100
85) sec-Butylbenzene	13.176	105	1041022	98.021	ug/l		100
86) p-Isopropyltoluene	13.291	119	881757	99.431	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	435489	96.445	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	425301	95.343	ug/l		99
89) n-Butylbenzene	13.621	91	840236	100.683	ug/l		100
90) Hexachloroethane	13.883	117	181015	97.720	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	377453	95.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26541	96.867	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	248146	102.770	ug/l		100
94) Hexachlorobutadiene	15.023	225	147103	96.770	ug/l		99
95) Naphthalene	15.145	128	436817	109.220	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	211313	103.581	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

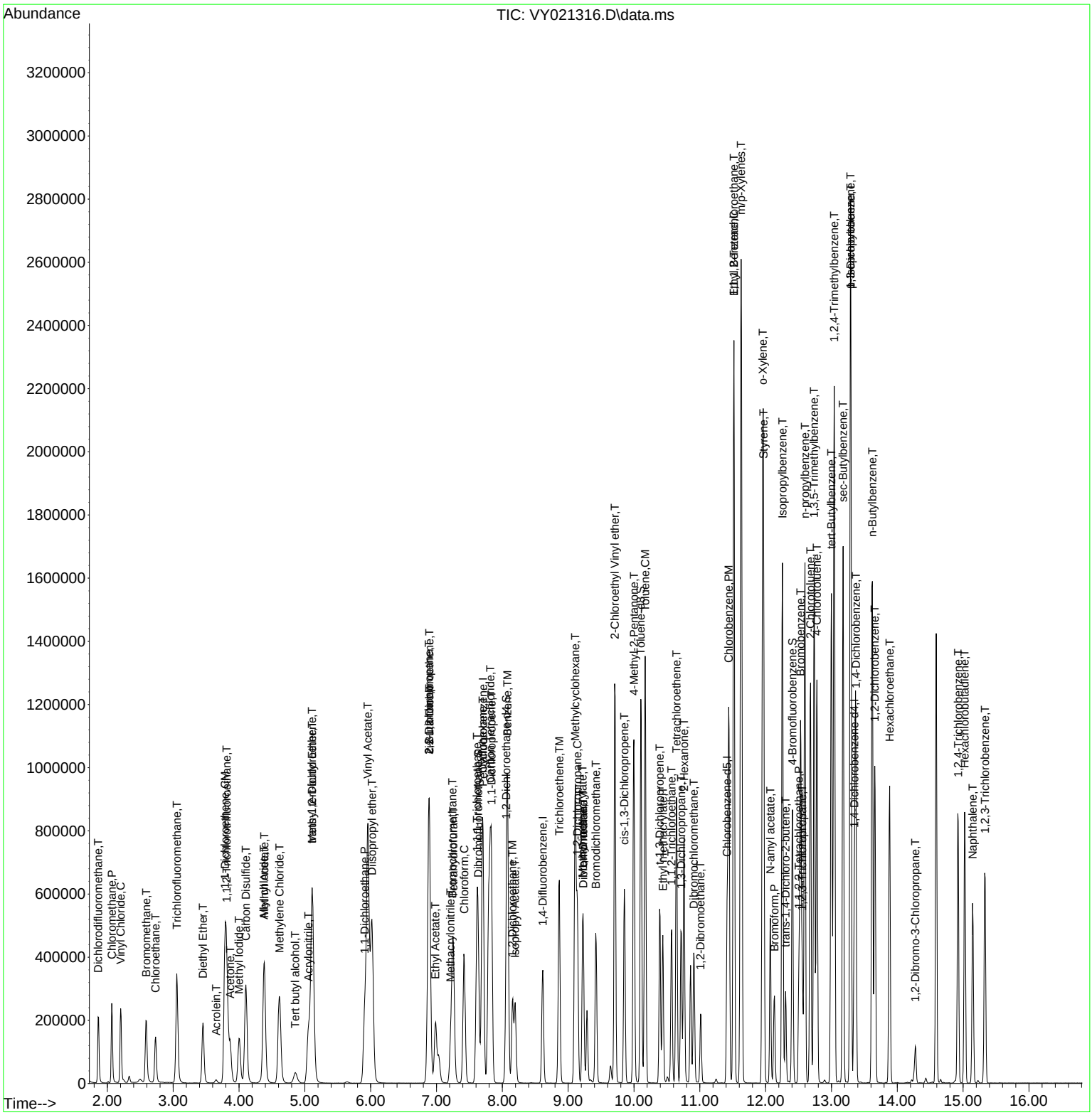
(#) = qualifier out of range (m) = manual integration (+) = signals summed

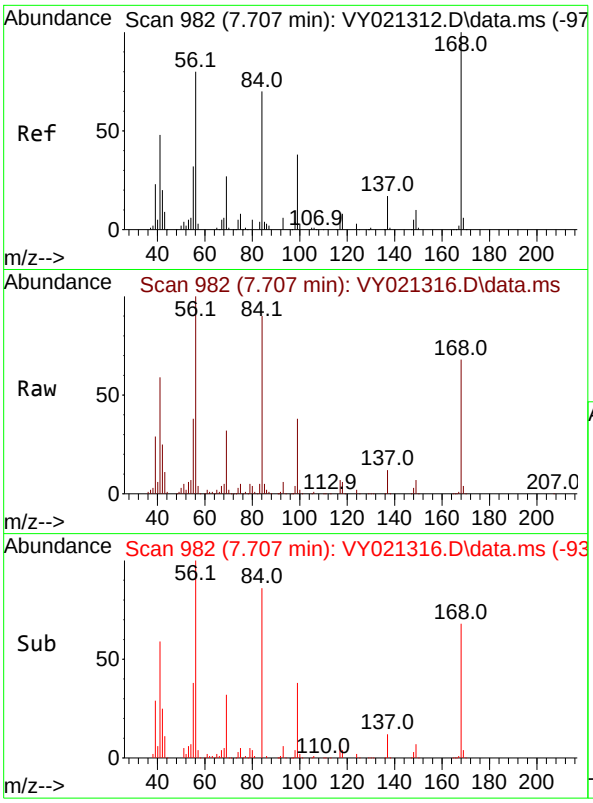
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



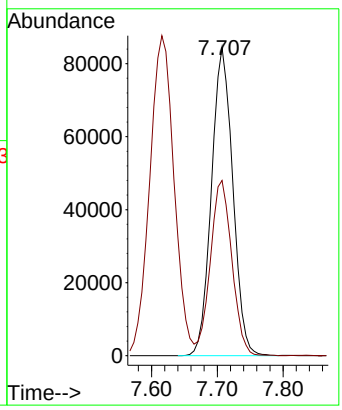


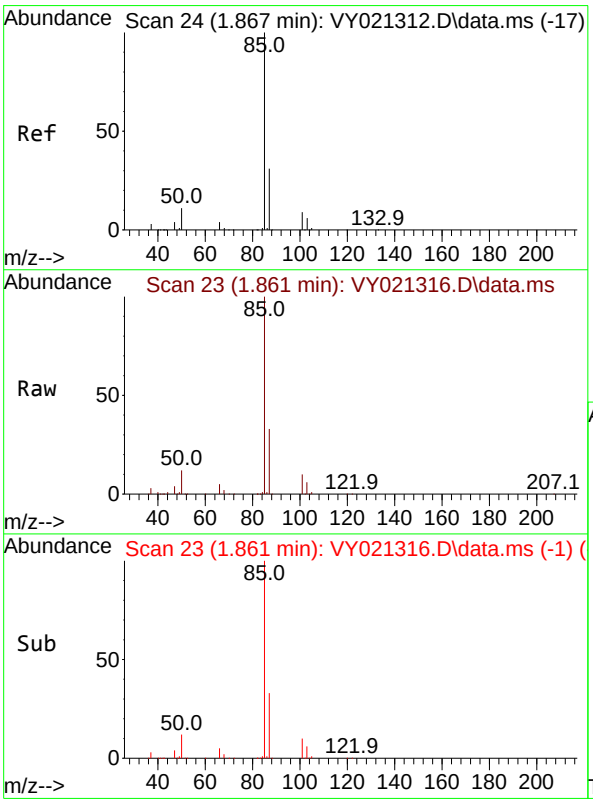
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 190677

Ion	Ratio	Lower	Upper
168	100		
99	56.8	47.1	70.7

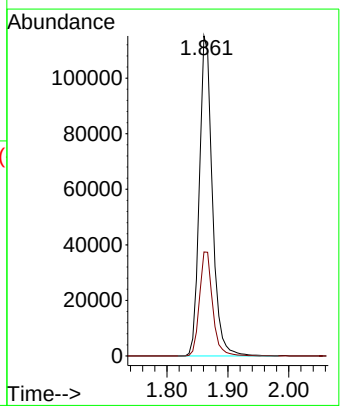


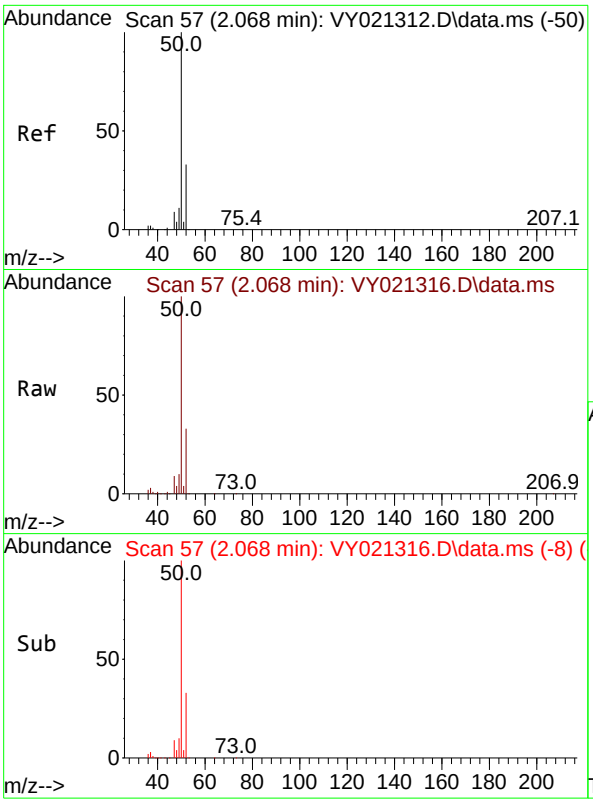


#2
Dichlorodifluoromethane
Concen: 94.332 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 85 Resp: 170537

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.4	46.4



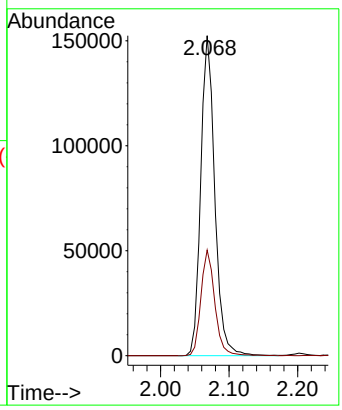


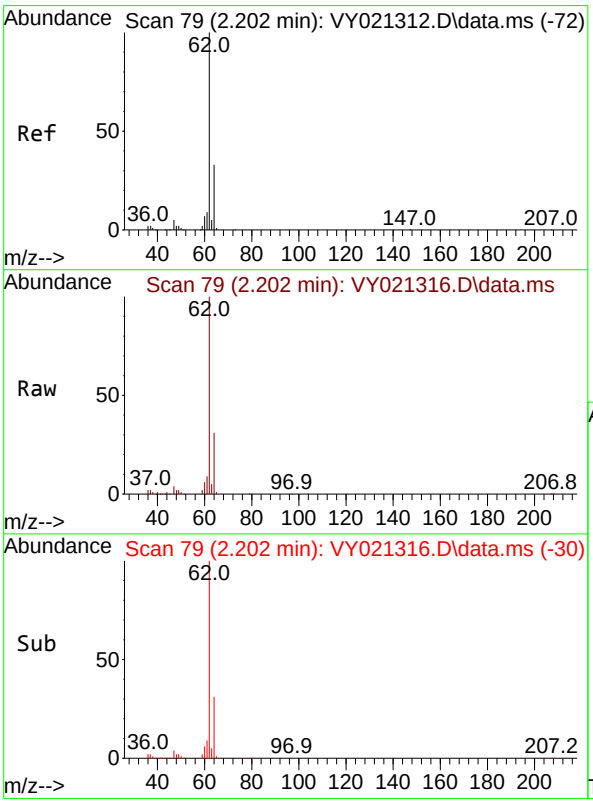
#3
Chloromethane
Concen: 93.180 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 217555

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0

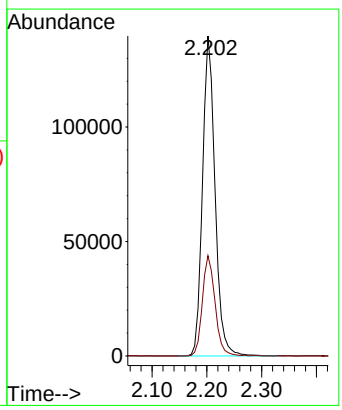


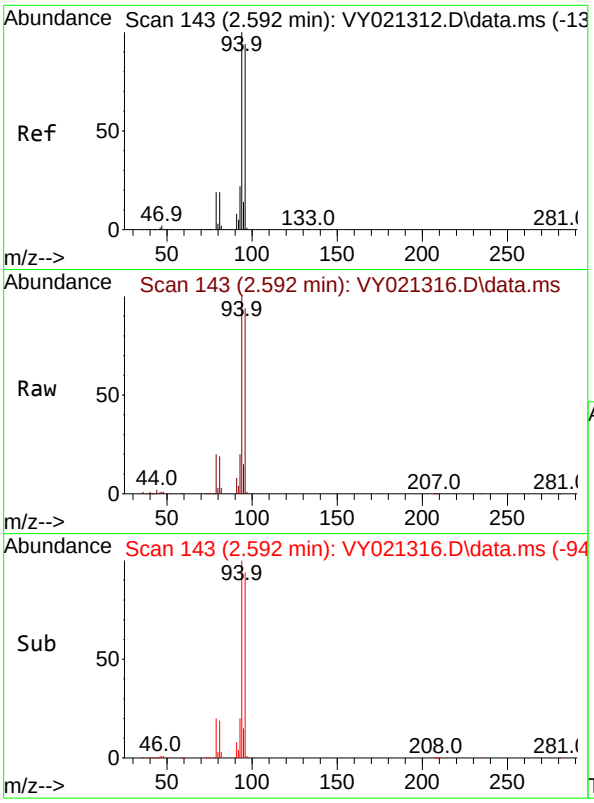


#4
Vinyl Chloride
Concen: 96.523 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 221196

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.3	39.5



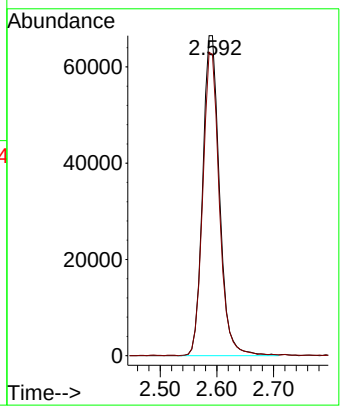


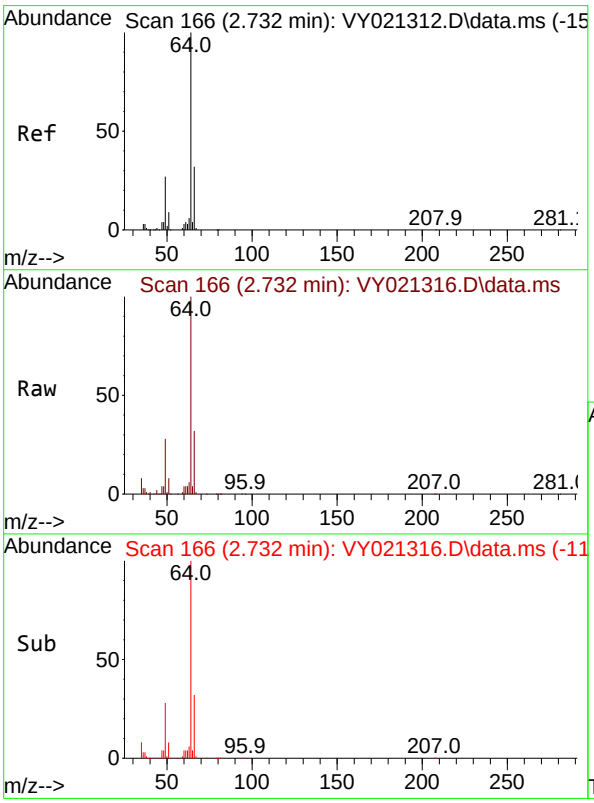
#5
Bromomethane
Concen: 89.858 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 136840

Ion	Ratio	Lower	Upper
94	100		
96	94.2	75.2	112.8

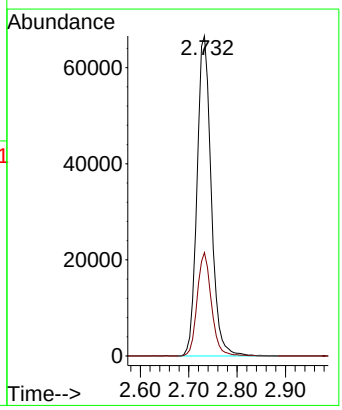


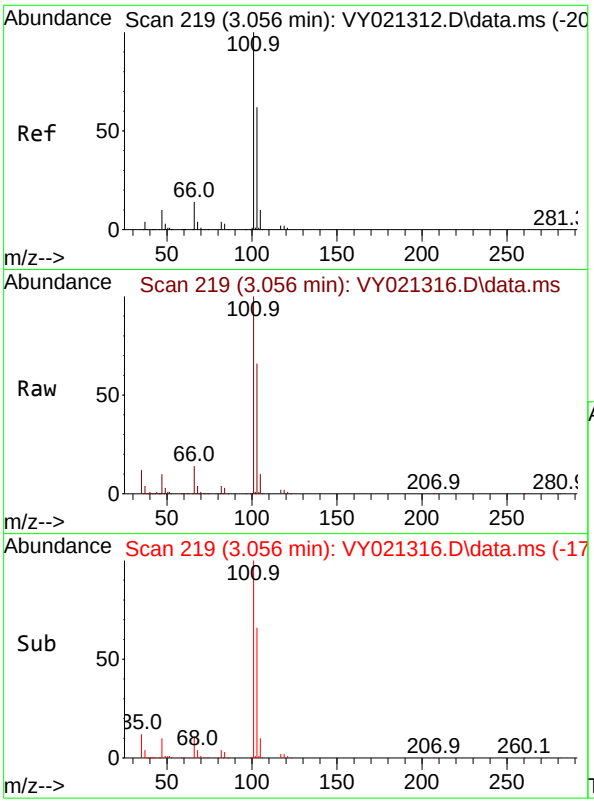


#6
Chloroethane
Concen: 95.259 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 64 Resp: 135372

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0



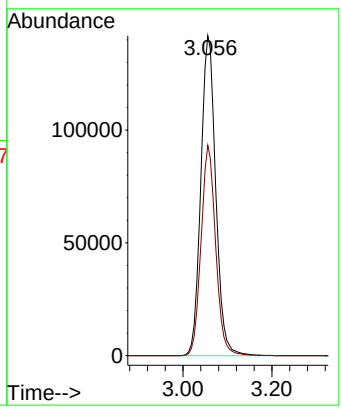


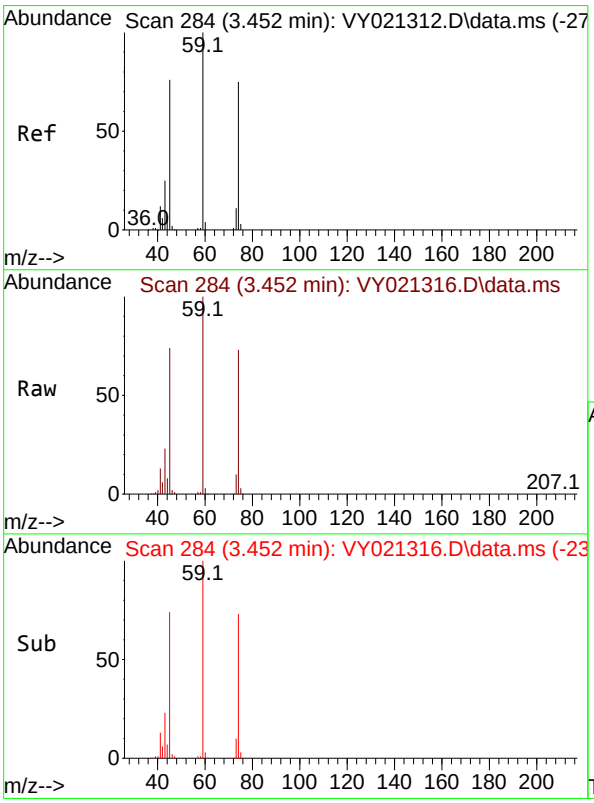
#7
Trichlorofluoromethane
Concen: 95.909 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 331928

Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.7	74.5

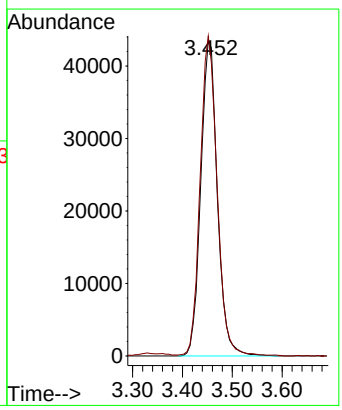


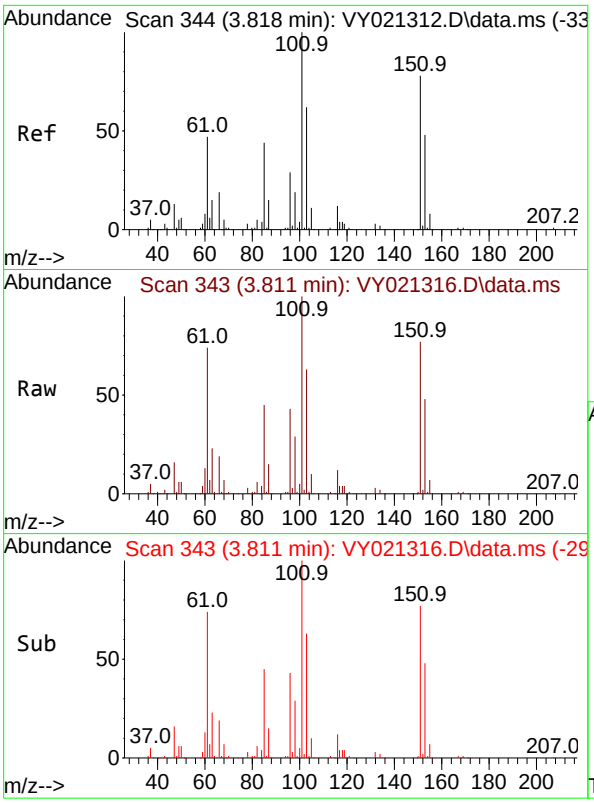


#8
Diethyl Ether
Concen: 96.637 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 74 Resp: 100381

Ion	Ratio	Lower	Upper
74	100		
45	104.0	50.3	150.9



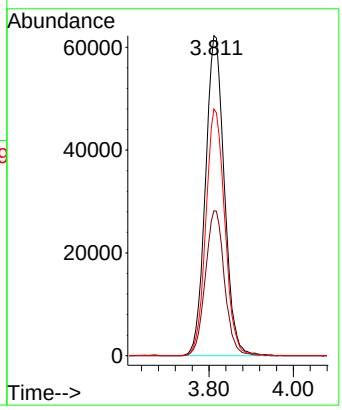


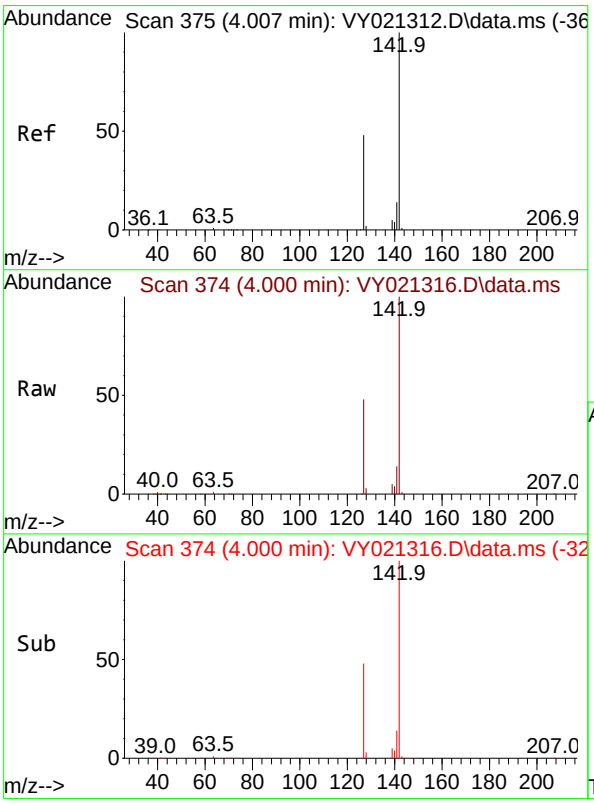
#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.593 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 193544

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	77.3	62.6	94.0

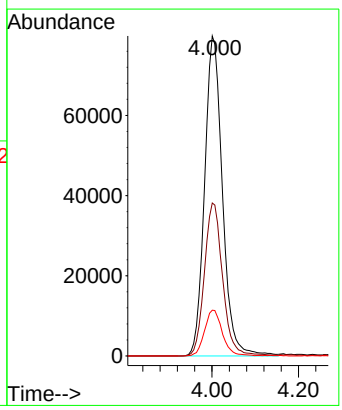


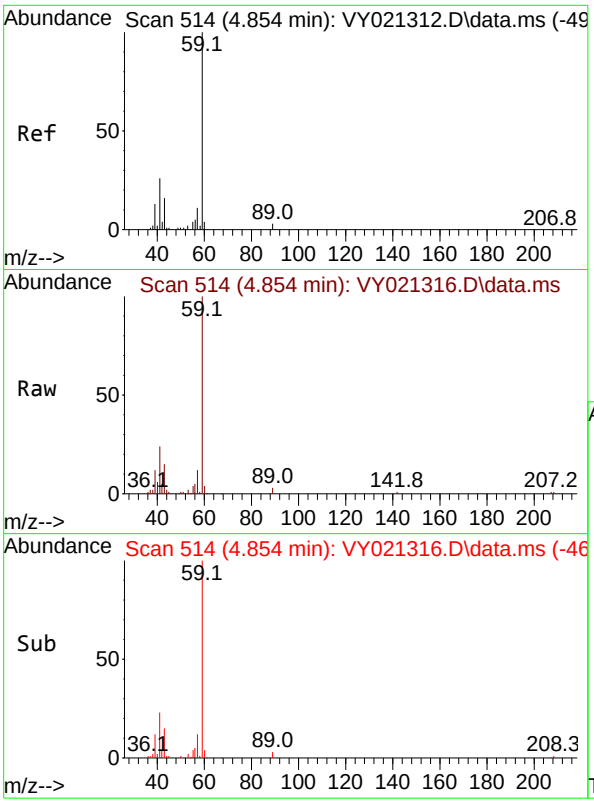


#10
Methyl Iodide
Concen: 108.503 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:142 Resp: 228728

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.2	58.8
141	14.3	11.4	17.2



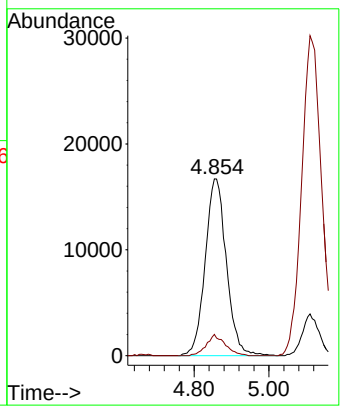


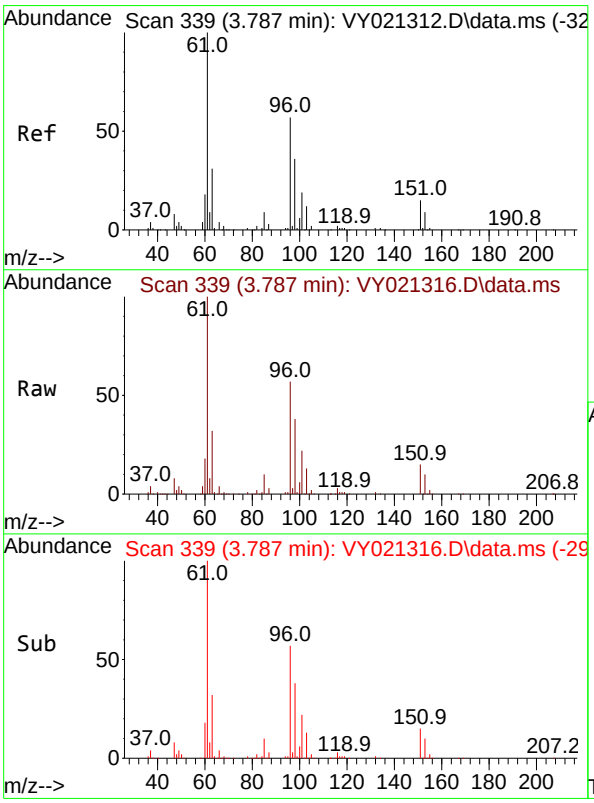
#11
Tert butyl alcohol
Concen: 395.134 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 65742

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

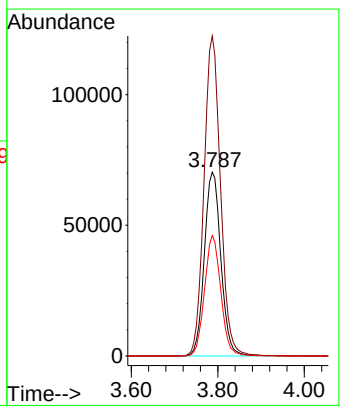


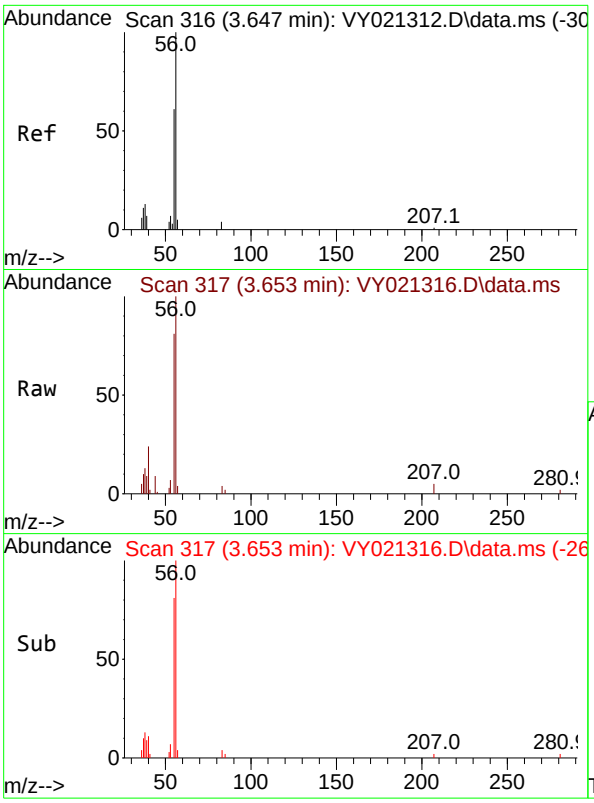


#12
1,1-Dichloroethene
Concen: 97.304 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 186684

Ion	Ratio	Lower	Upper
96	100		
61	174.1	139.7	209.5
98	65.5	49.7	74.5



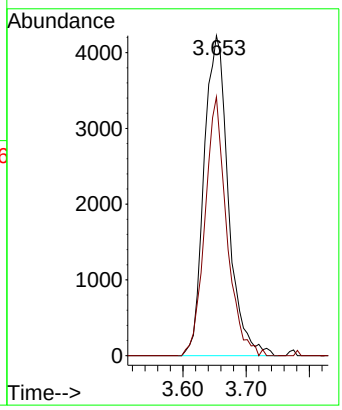


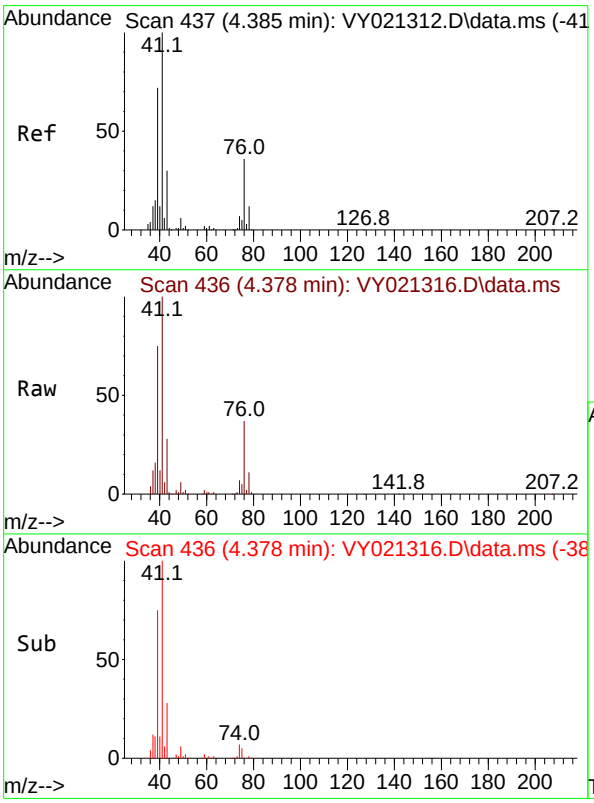
#13
Acrolein
Concen: 88.370 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 11267

Ion	Ratio	Lower	Upper
56	100		
55	72.5	59.0	88.6

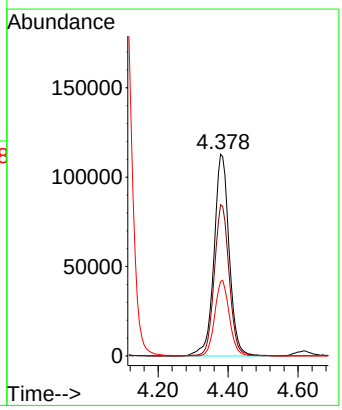


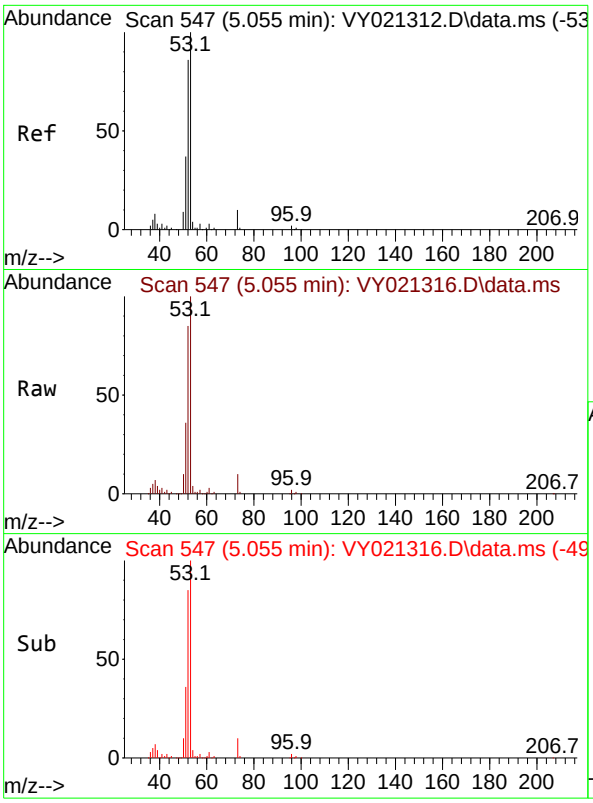


#14
Allyl chloride
Concen: 99.720 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 339203

Ion	Ratio	Lower	Upper
41	100		
39	73.6	60.0	90.0
76	36.1	29.0	43.6



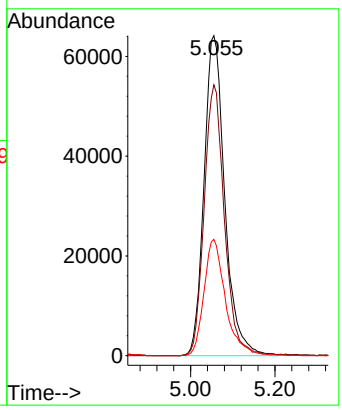


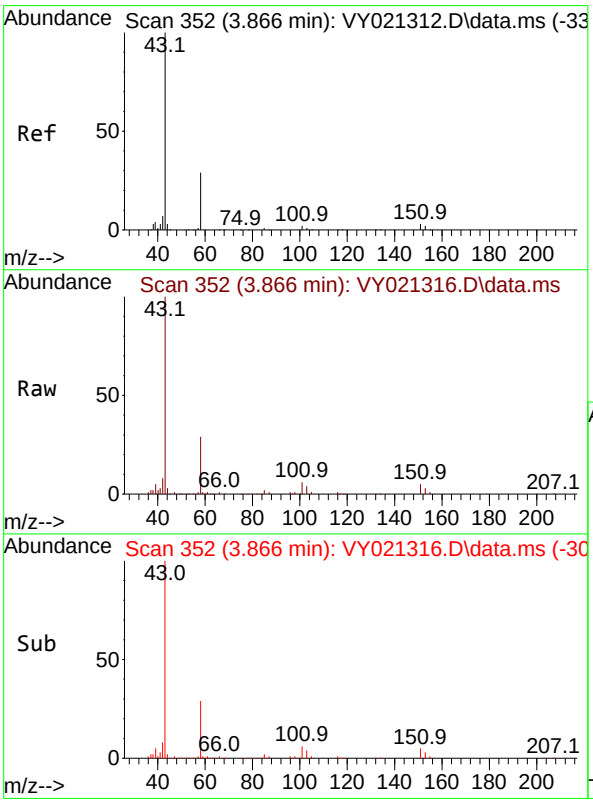
#15
Acrylonitrile
Concen: 477.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 219275

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	37.9	30.6	46.0

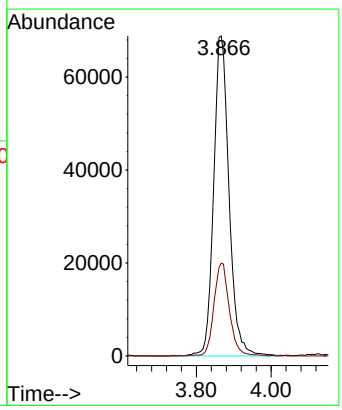


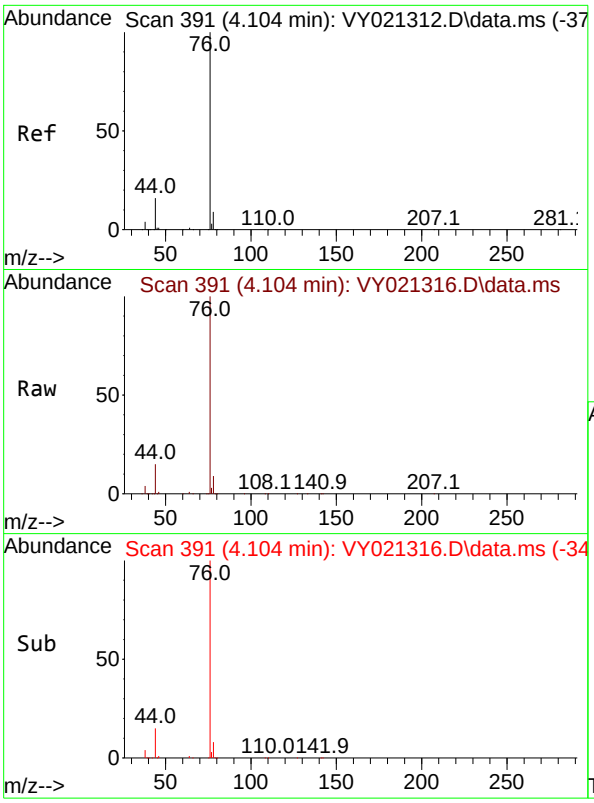


#16
Acetone
Concen: 473.421 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 196435

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.5	35.3



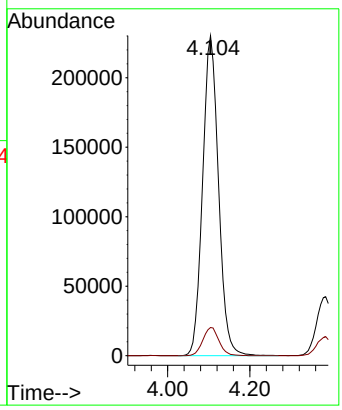


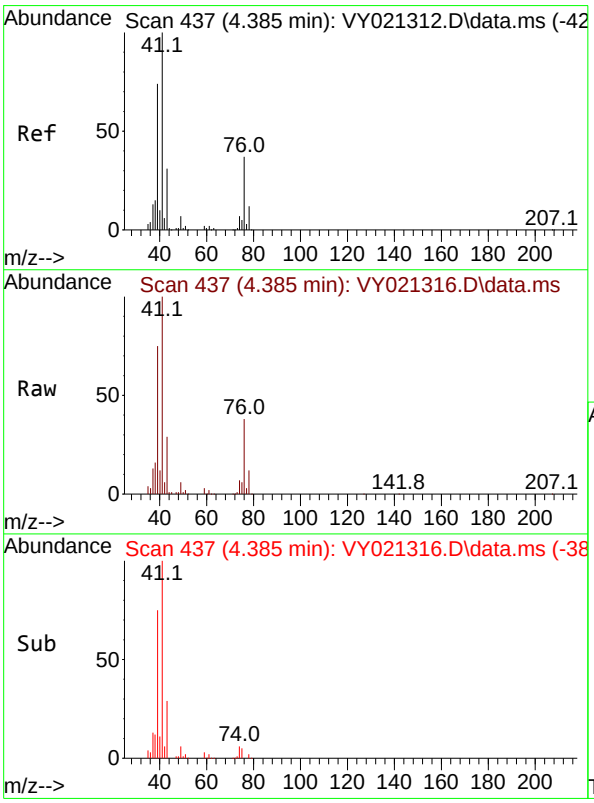
#17
Carbon Disulfide
Concen: 96.953 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 617661

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

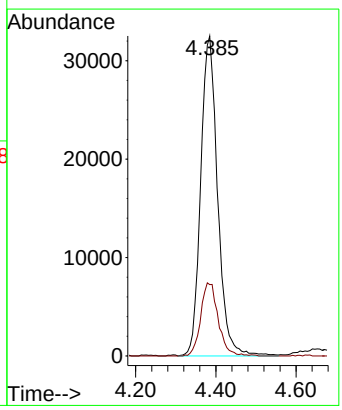


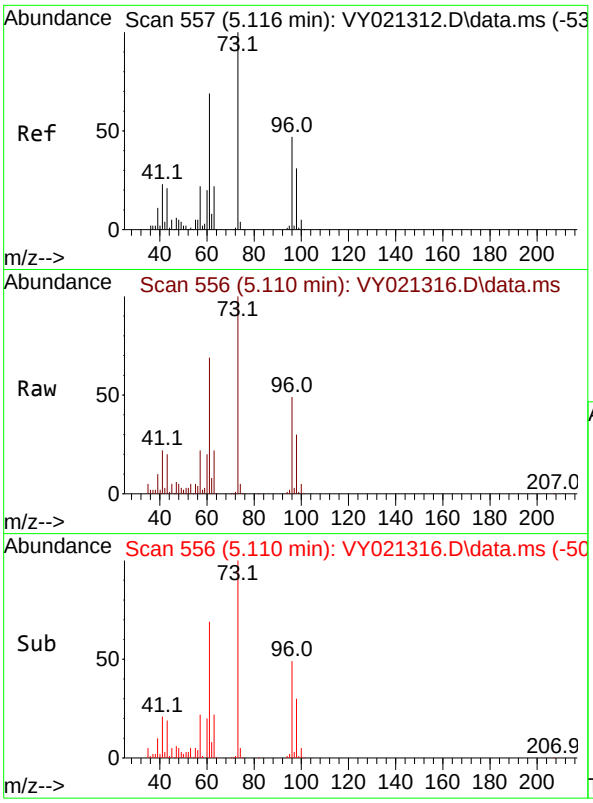


#18
Methyl Acetate
Concen: 94.085 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 95405

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5



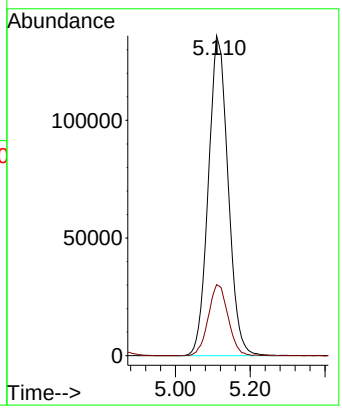


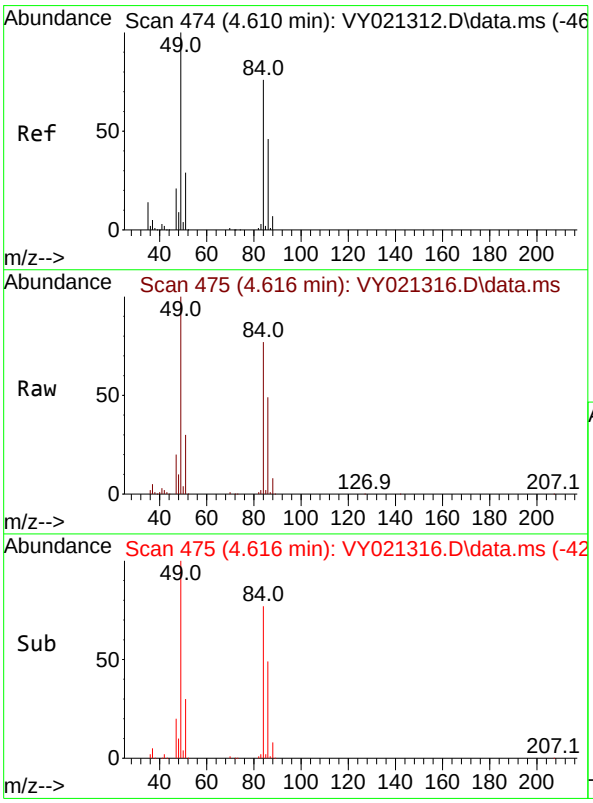
#19
Methyl tert-butyl Ether
Concen: 98.337 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 498467

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0

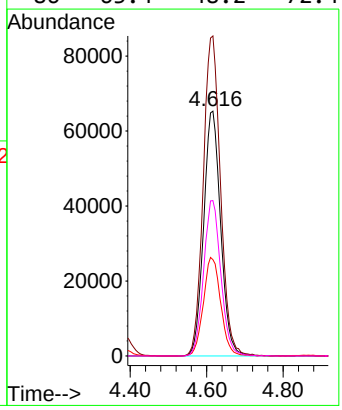


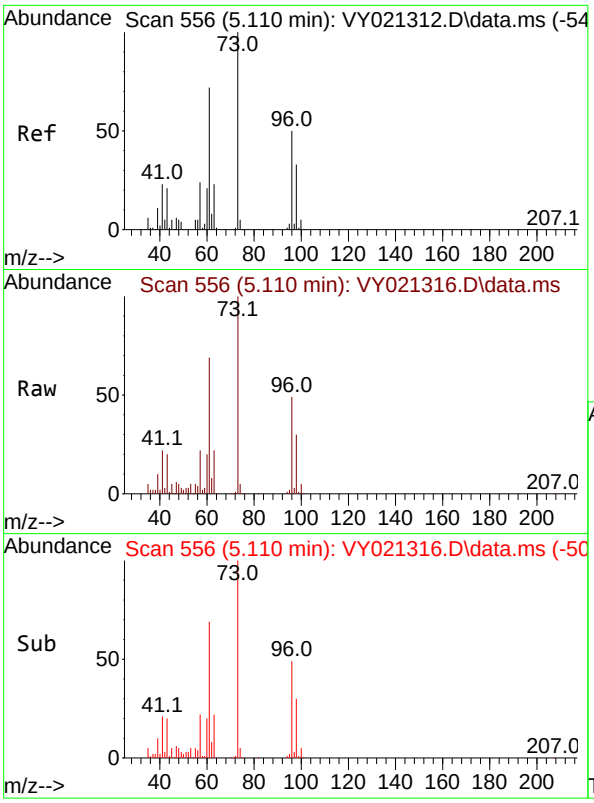


#20
Methylene Chloride
Concen: 89.894 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 84 Resp: 201698

Ion	Ratio	Lower	Upper
84	100		
49	130.7	105.1	157.7
51	39.3	31.0	46.4
86	63.4	48.2	72.4



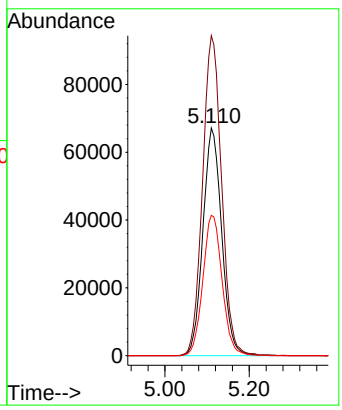


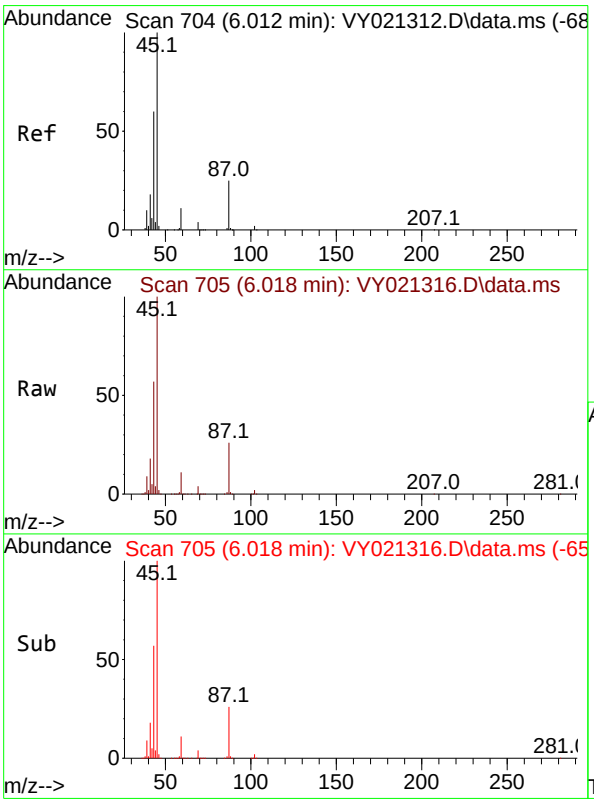
#21
trans-1,2-Dichloroethene
Concen: 98.718 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 208498

Ion	Ratio	Lower	Upper
96	100		
61	140.5	116.3	174.5
98	61.7	52.6	78.8

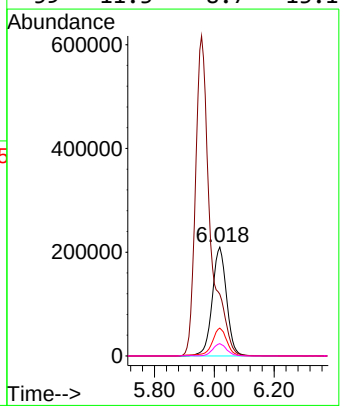


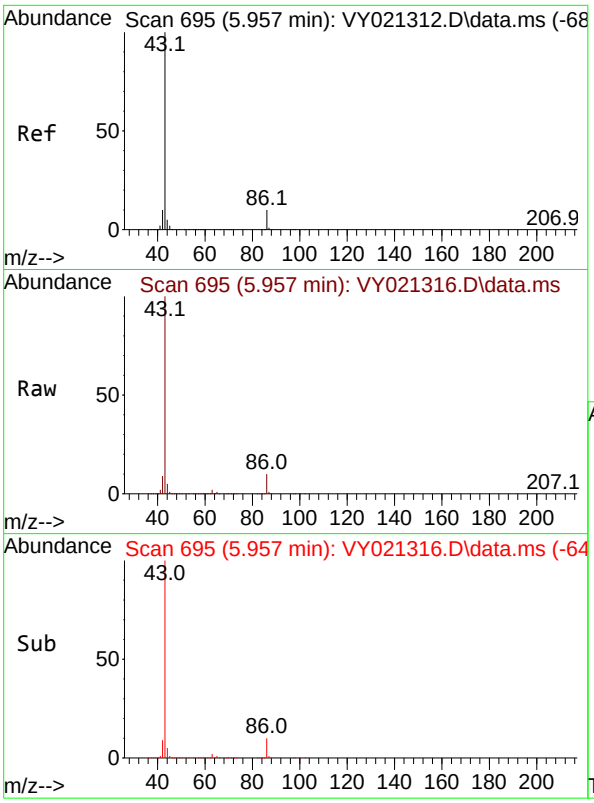


#22
Diisopropyl ether
Concen: 99.061 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 45 Resp: 697290

Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.2	72.4
87	25.6	20.3	30.5
59	11.3	8.7	13.1



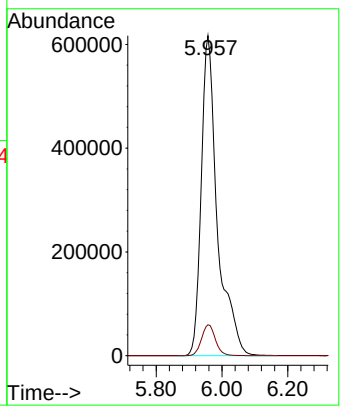


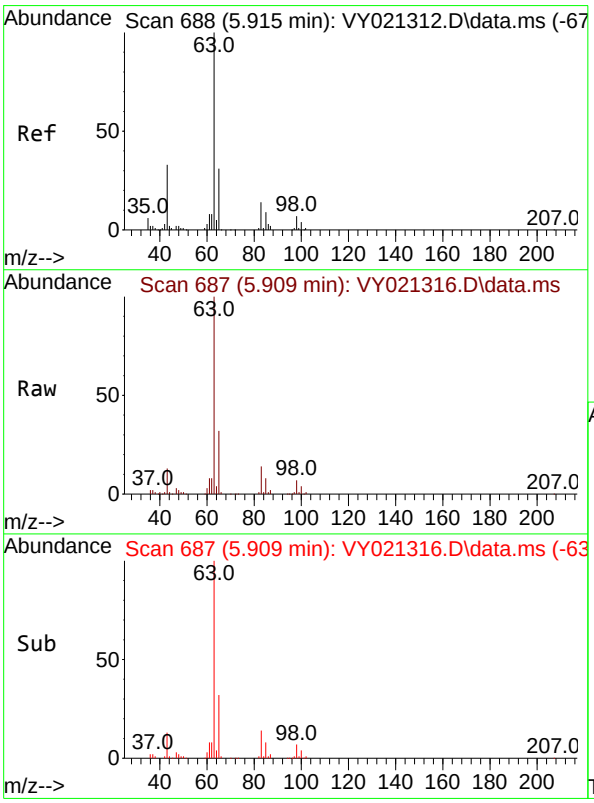
#23
Vinyl Acetate
Concen: 500.017 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2103219

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.0	12.0

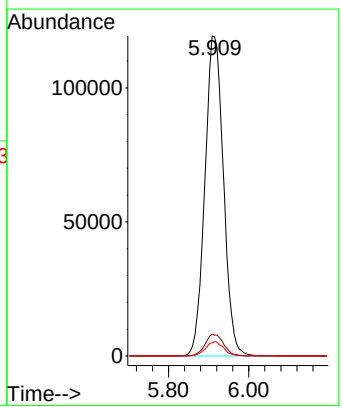


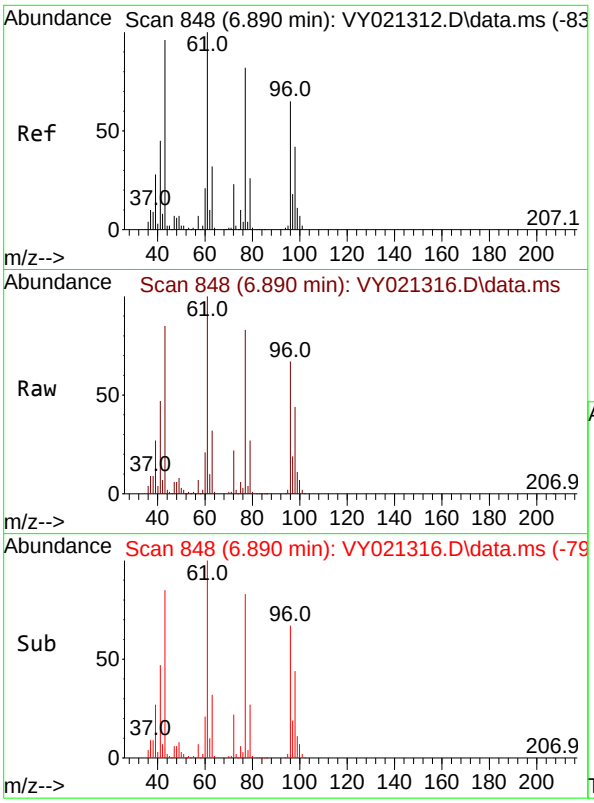


#24
1,1-Dichloroethane
Concen: 96.798 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 384030

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.1	2.1	6.5



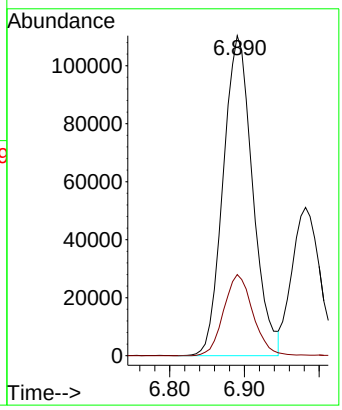


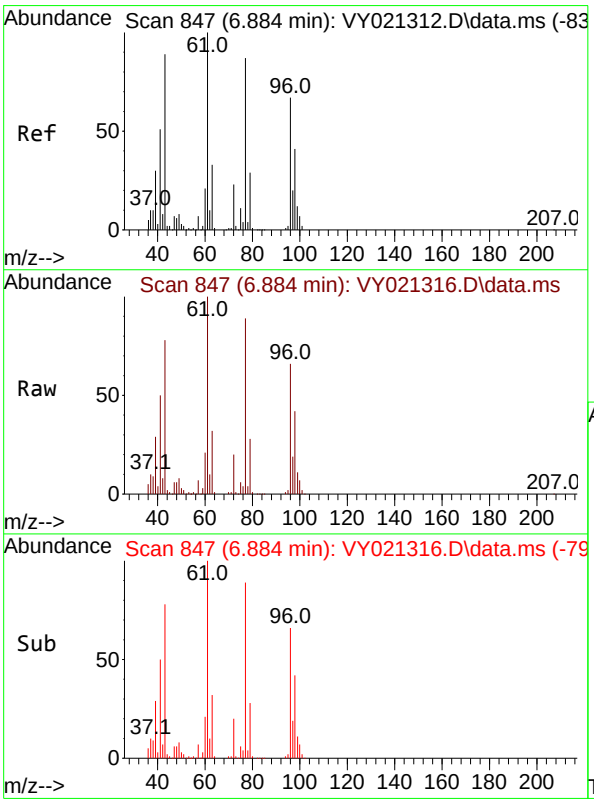
#25
2-Butanone
Concen: 483.977 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 303077

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6

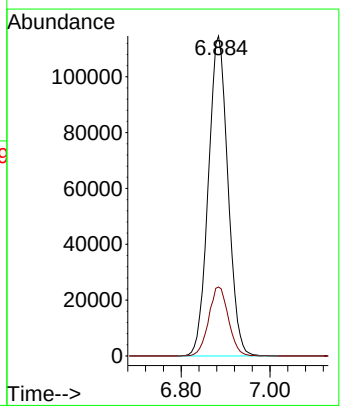


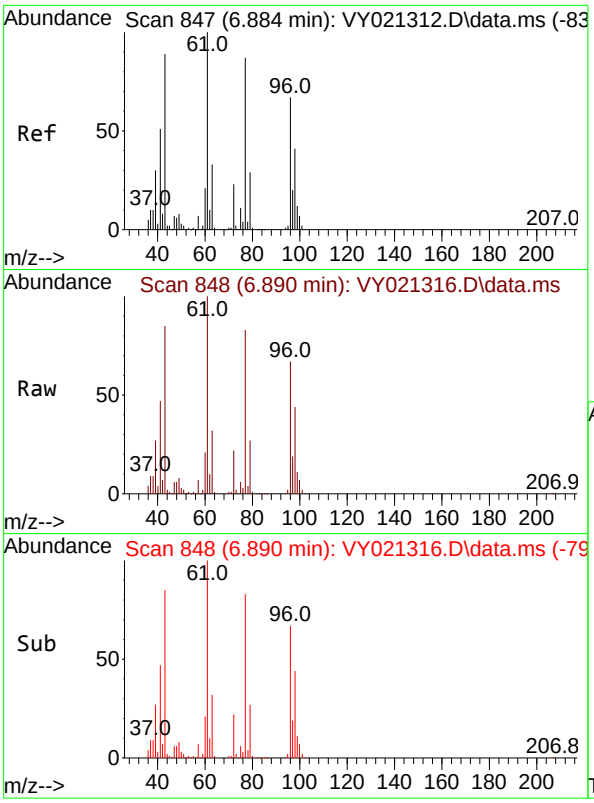


#26
2,2-Dichloropropane
Concen: 97.467 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 77 Resp: 350870

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7



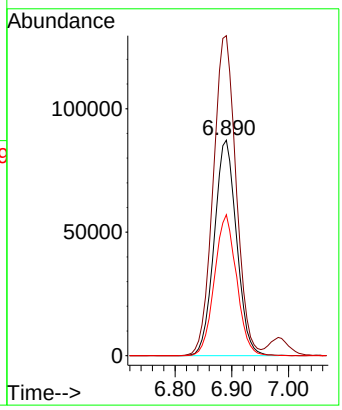


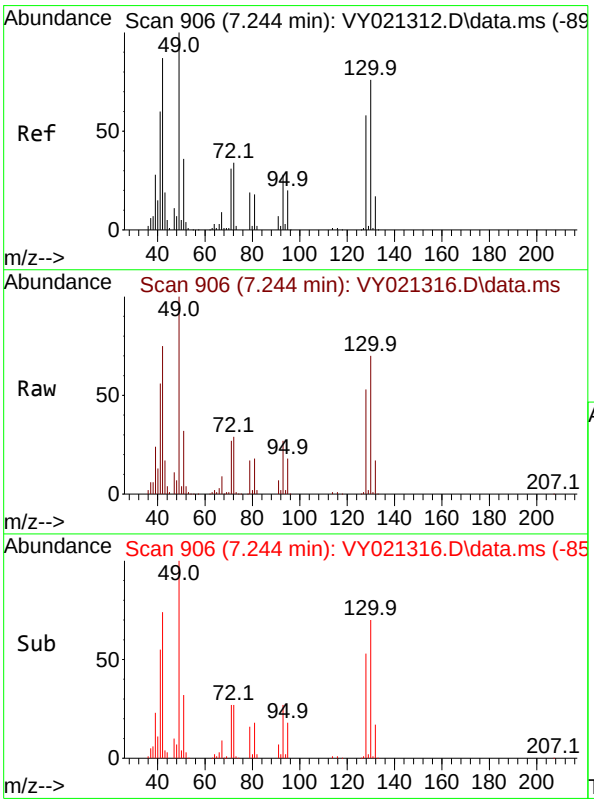
#27
cis-1,2-Dichloroethene
Concen: 99.061 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 238916

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	308.0
98	64.8	0.0	129.6

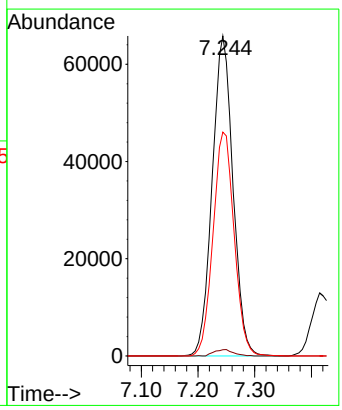


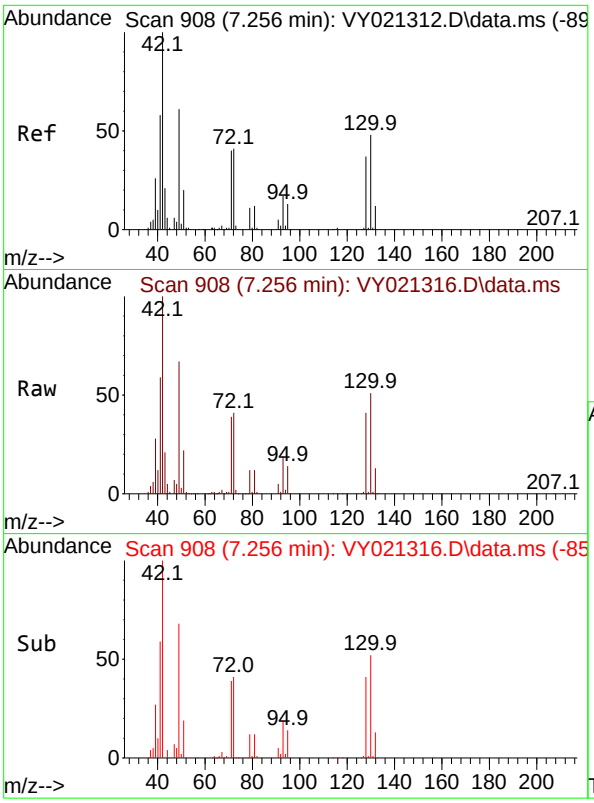


#28
Bromochloromethane
Concen: 95.287 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 49 Resp: 167271

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.2	57.8	86.6



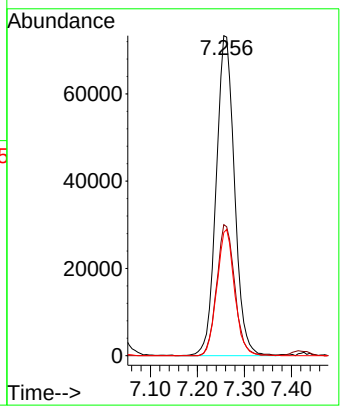


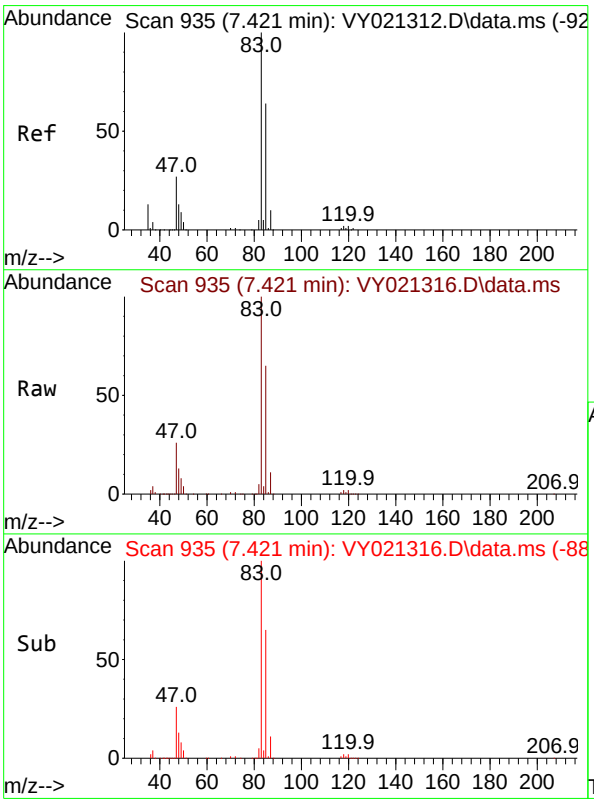
#29
Tetrahydrofuran
Concen: 486.299 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 199056

Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.1	49.7
71	37.9	31.4	47.0

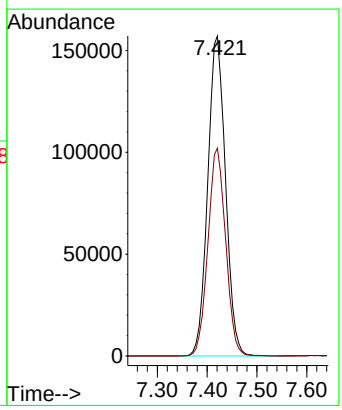


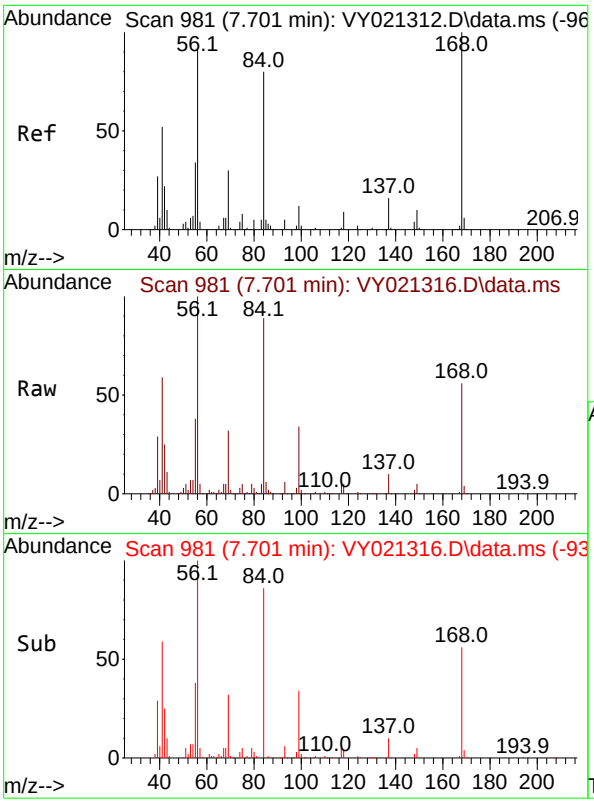


#30
Chloroform
Concen: 96.458 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 387767

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4



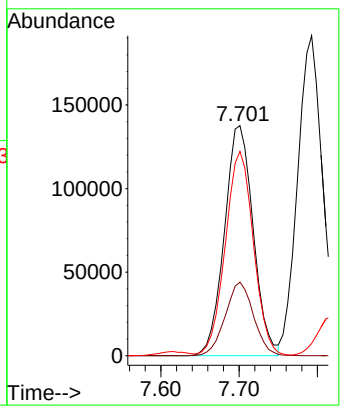


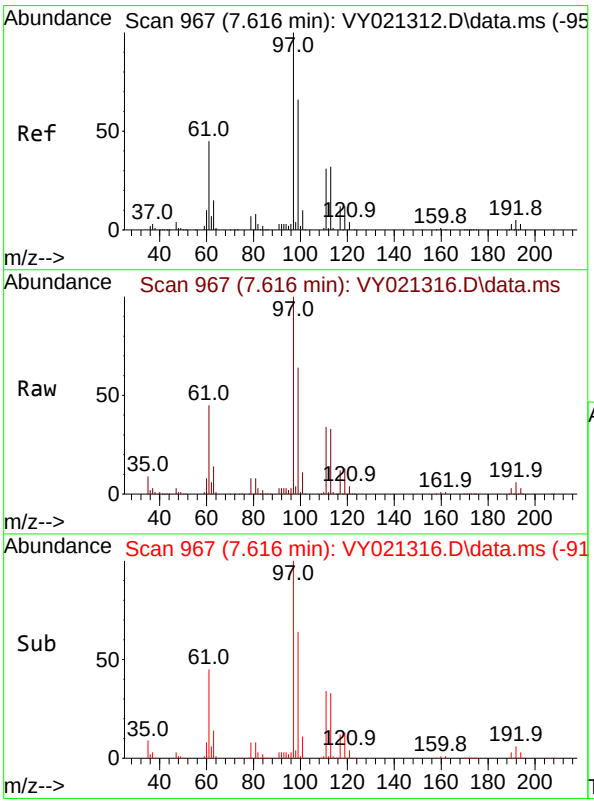
#31
Cyclohexane
Concen: 92.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 351876

Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.2	39.4
84	87.4	70.2	105.4

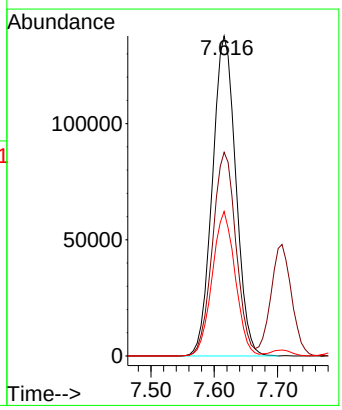


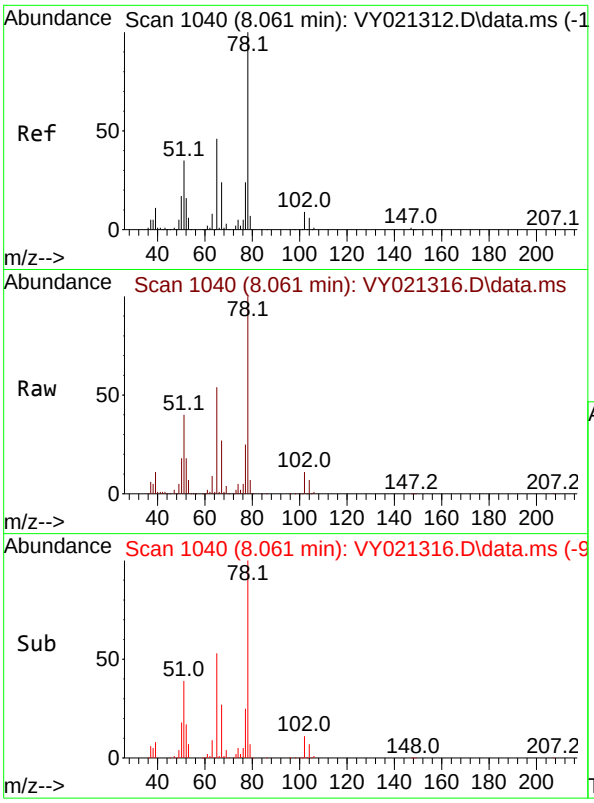


#32
1,1,1-Trichloroethane
Concen: 96.663 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 353701

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	44.5	36.2	54.2



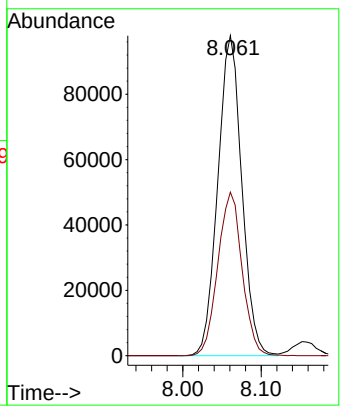


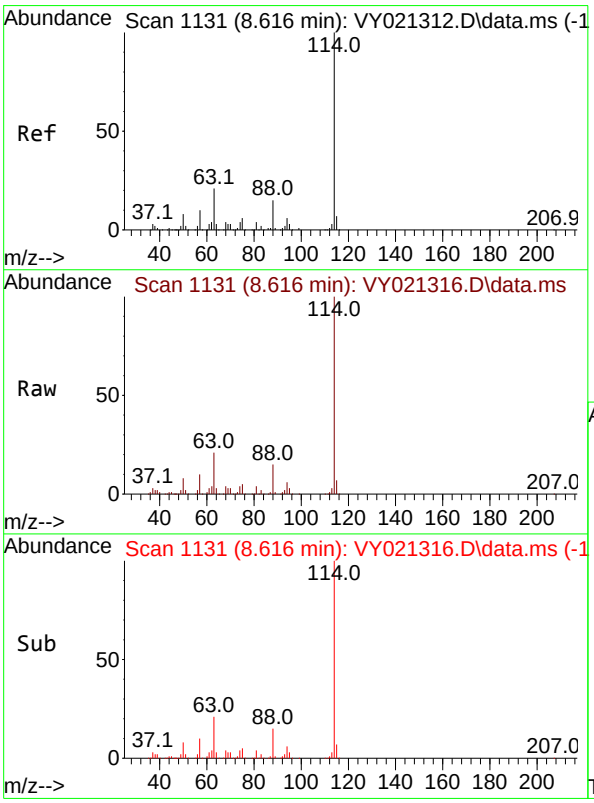
#33
1,2-Dichloroethane-d4
Concen: 96.407 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 208535

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

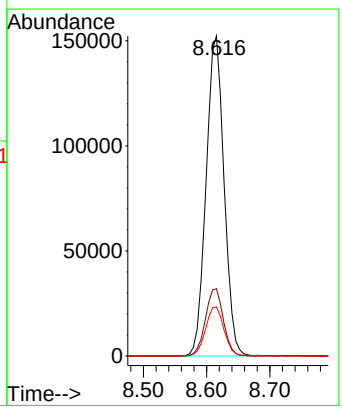


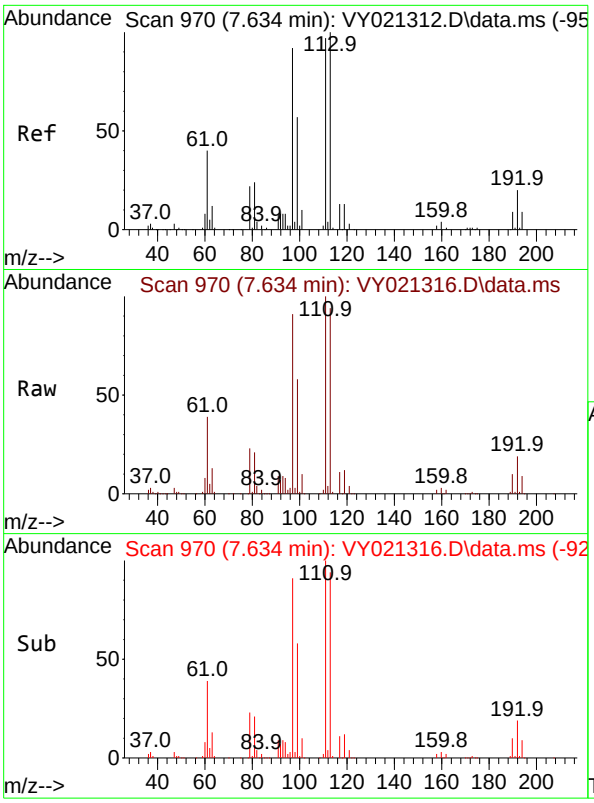


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:114 Resp: 300486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.2
88	15.3	0.0	29.8



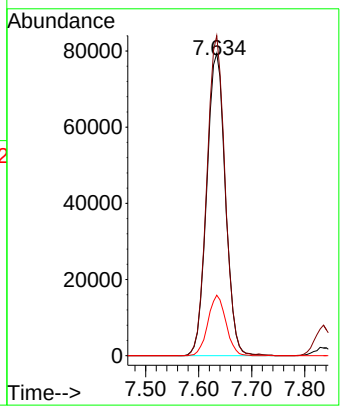


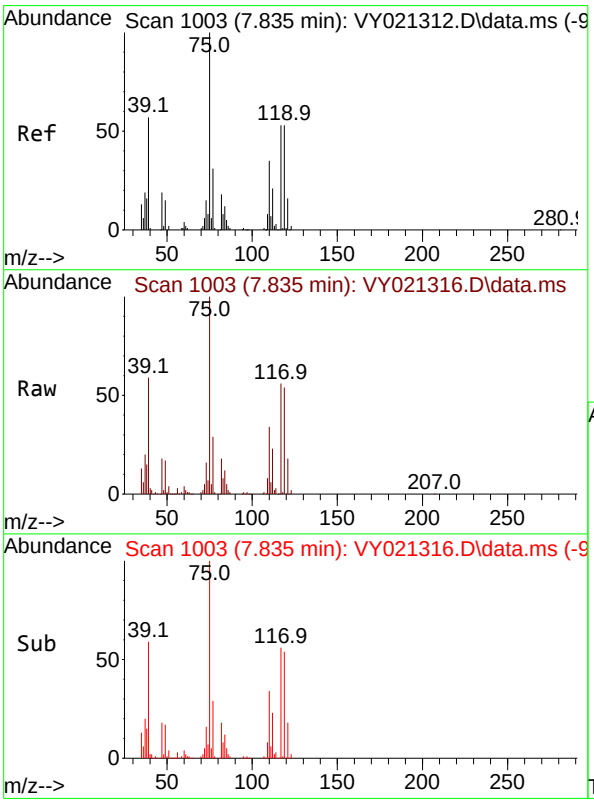
#35
Dibromofluoromethane
Concen: 98.377 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 193803

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	19.4	15.8	23.8

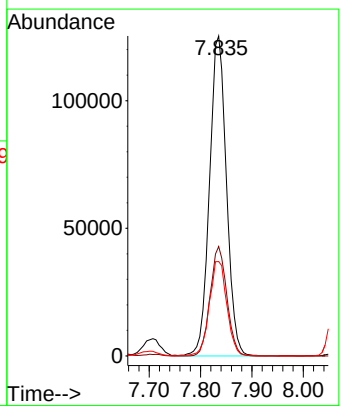


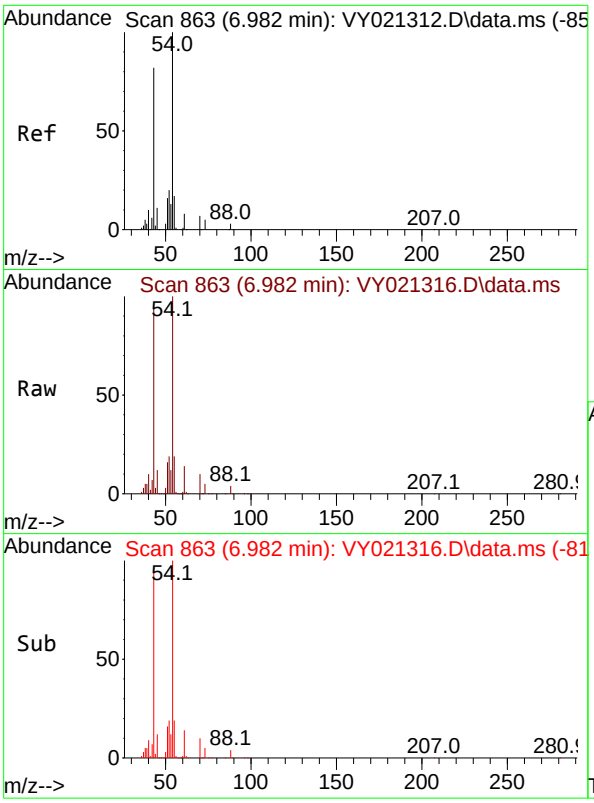


#36
1,1-Dichloropropene
Concen: 97.146 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 287472

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	30.5	24.6	36.8



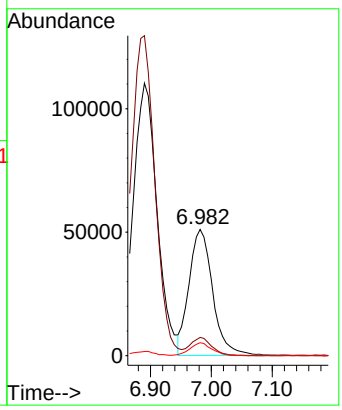


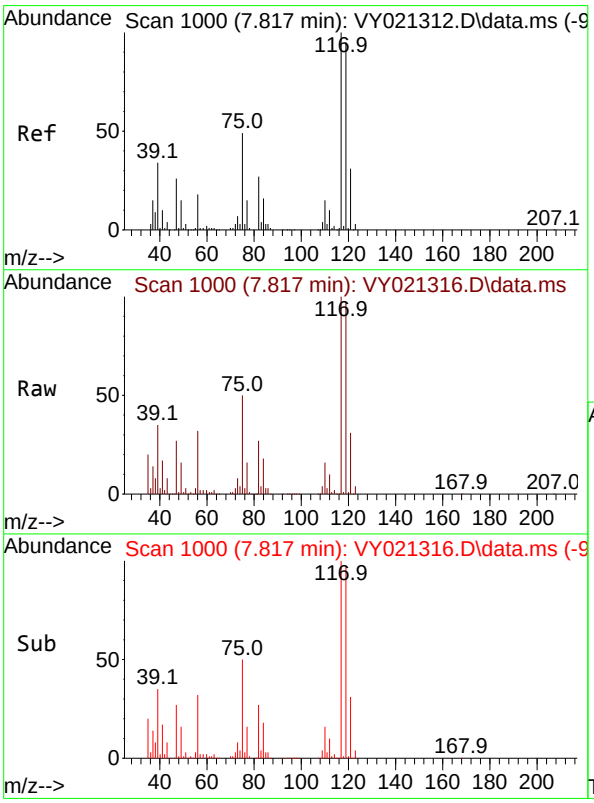
#37
Ethyl Acetate
Concen: 93.230 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 137233

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.5	7.5	11.3

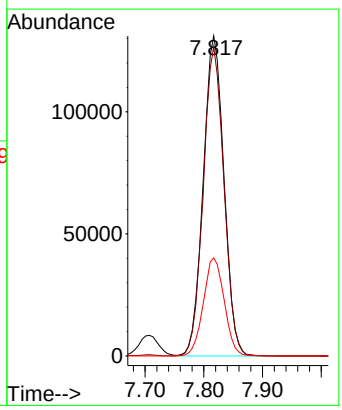


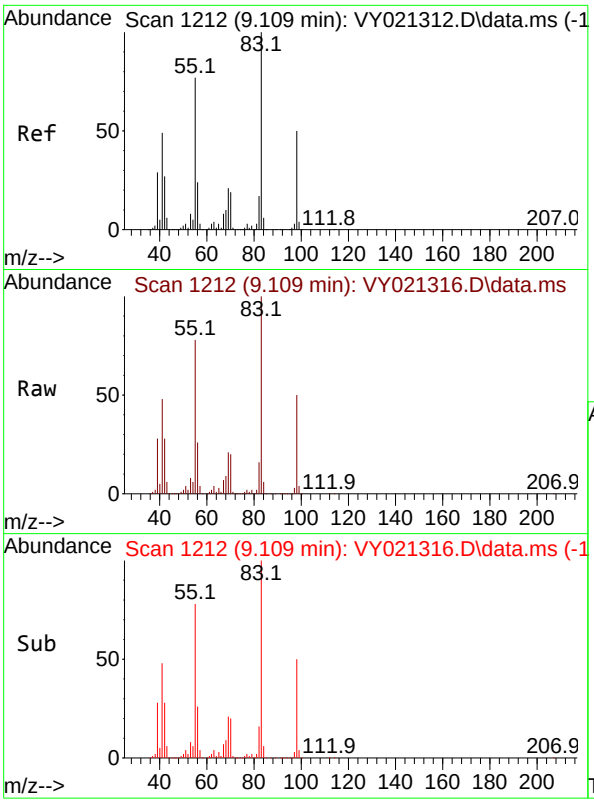


#38
Carbon Tetrachloride
Concen: 96.663 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 321576

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.0	114.0
121	30.7	24.9	37.3



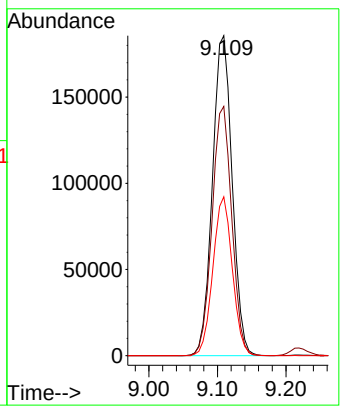


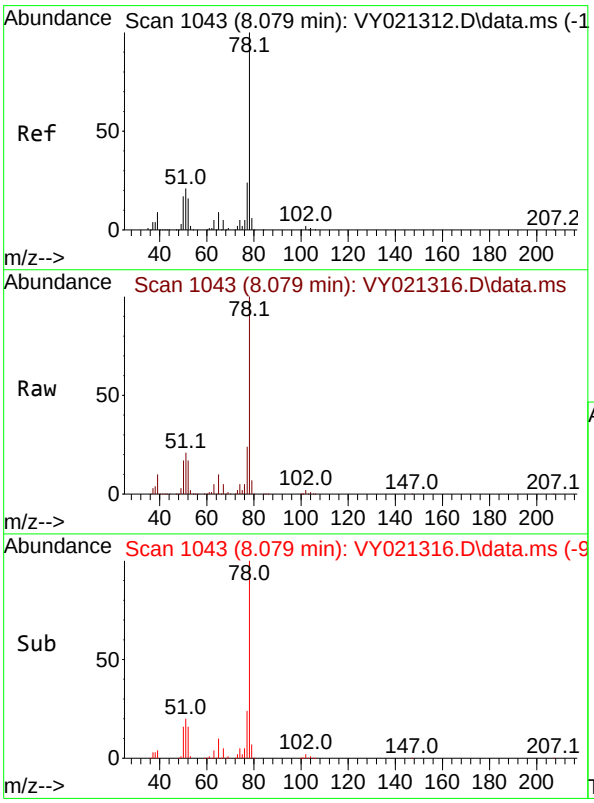
#39
Methylcyclohexane
Concen: 99.169 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 371172

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.6	39.9	59.9

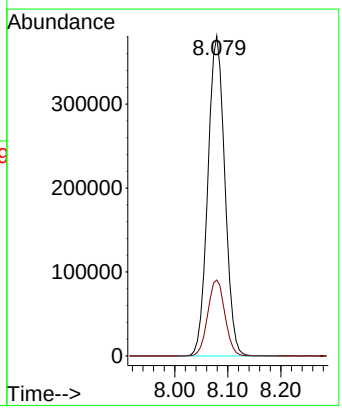


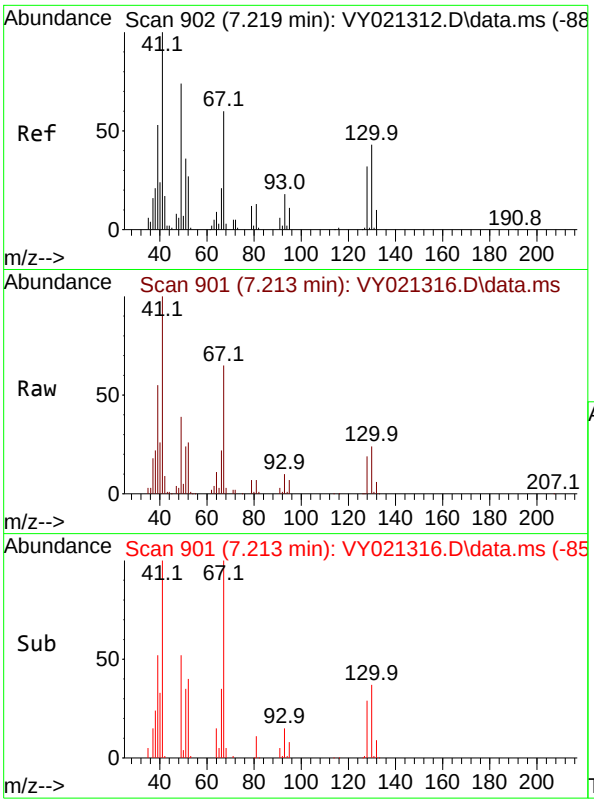


#40
Benzene
Concen: 96.835 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 78 Resp: 847066

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



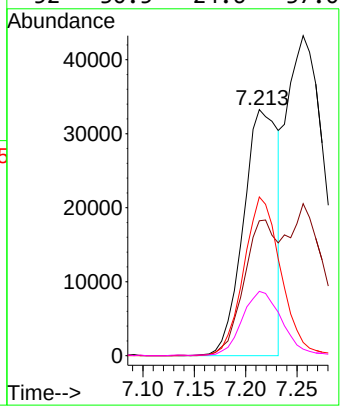


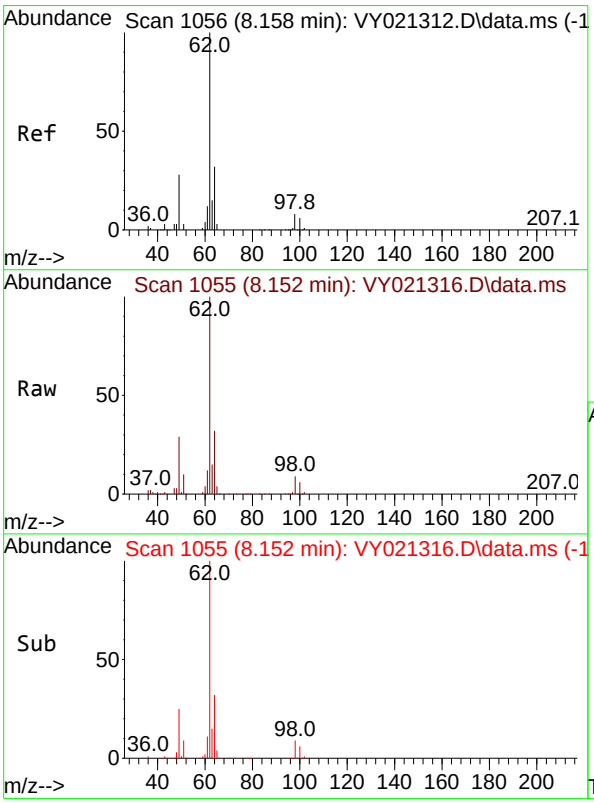
#41
Methacrylonitrile
Concen: 94.219 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 77542

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.3	63.5
67	69.9	54.8	82.2
52	30.5	24.6	37.0

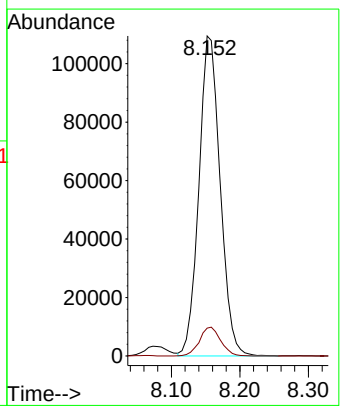


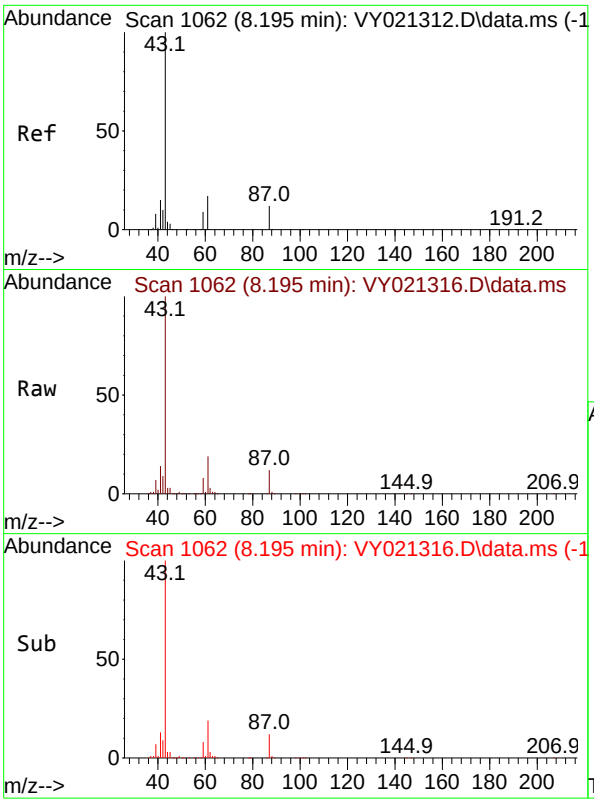


#42
1,2-Dichloroethane
Concen: 95.375 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 236704

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



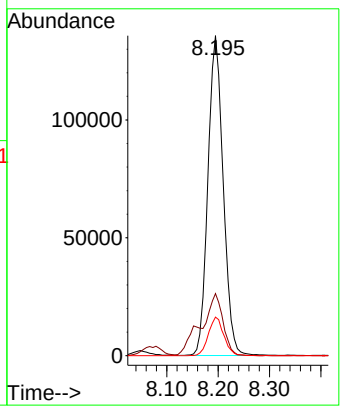


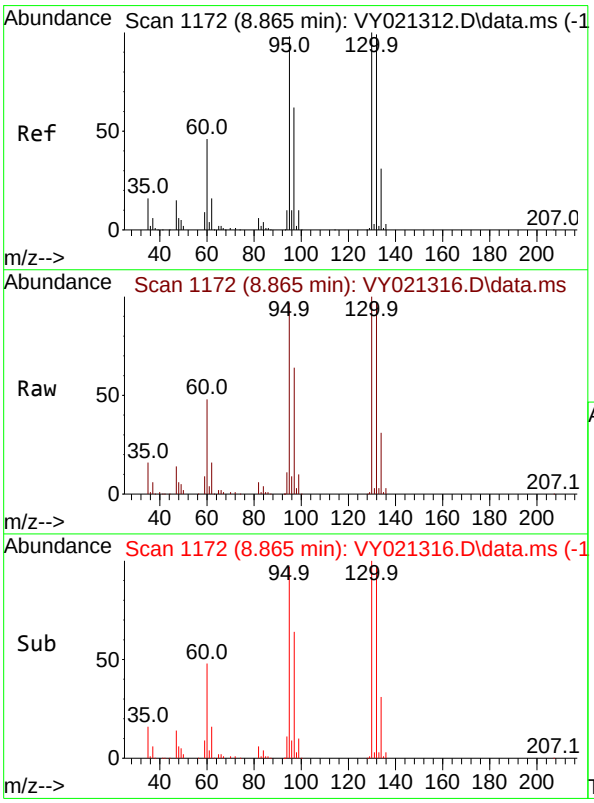
#43
Isopropyl Acetate
Concen: 98.388 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 280321

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.6
87	12.2	10.0	15.0

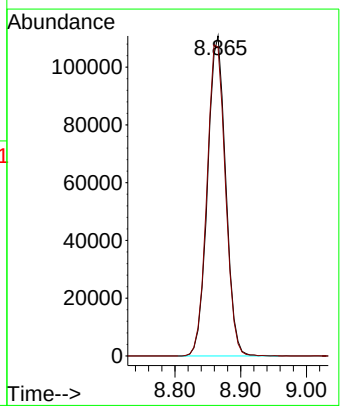


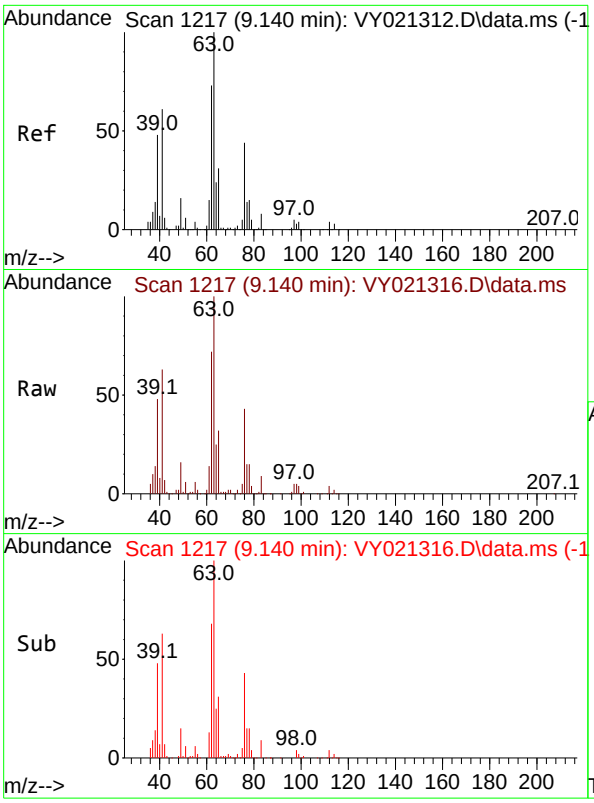


#44
Trichloroethene
Concen: 97.057 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:130 Resp: 212562

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0



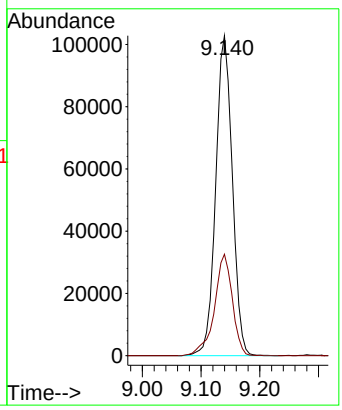


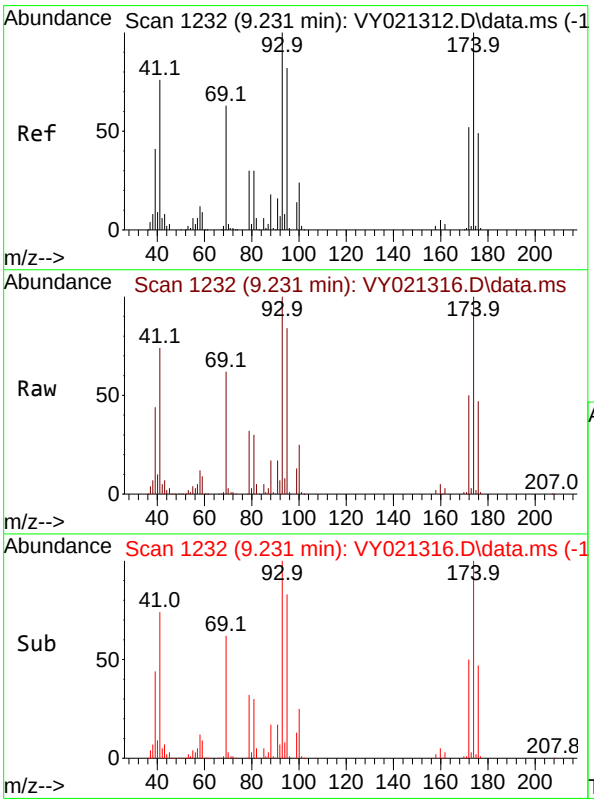
#45
1,2-Dichloropropane
Concen: 95.814 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 201701

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8

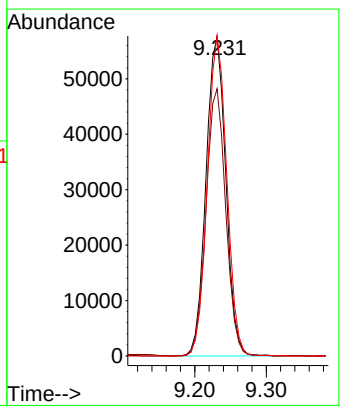


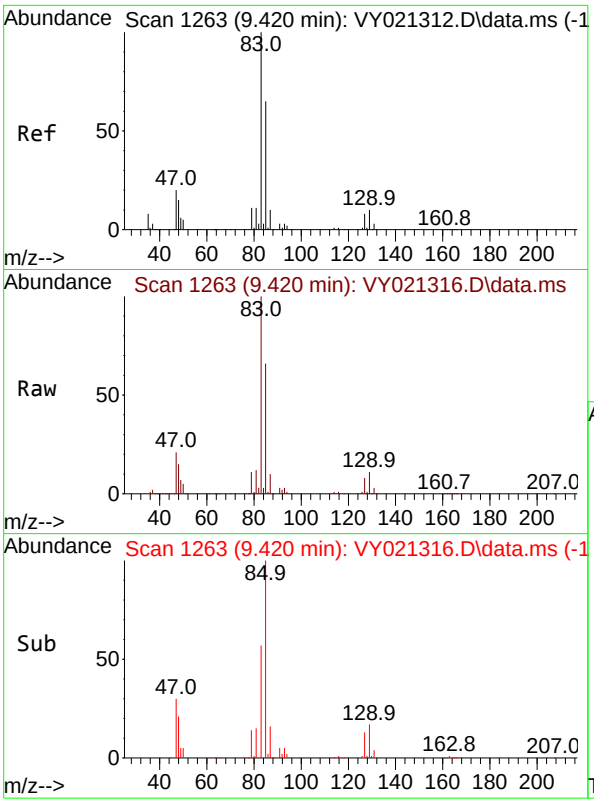


#46
Dibromomethane
Concen: 96.301 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 93 Resp: 110814

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	98.3	78.2	117.2



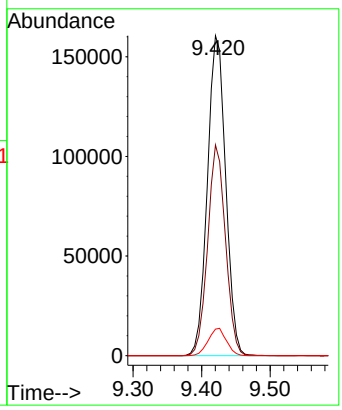


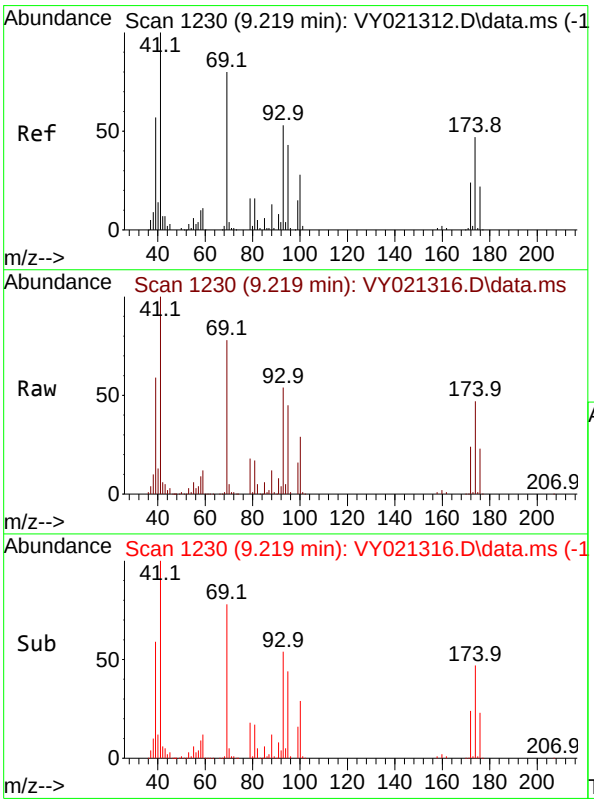
#47
Bromodichloromethane
Concen: 96.904 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 297320

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8
127	8.3	6.7	10.1

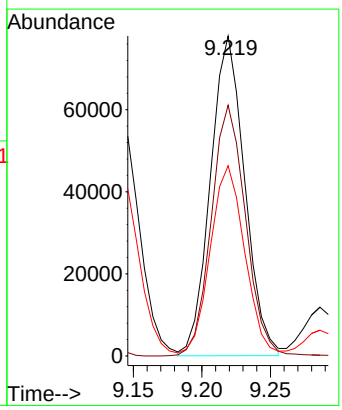


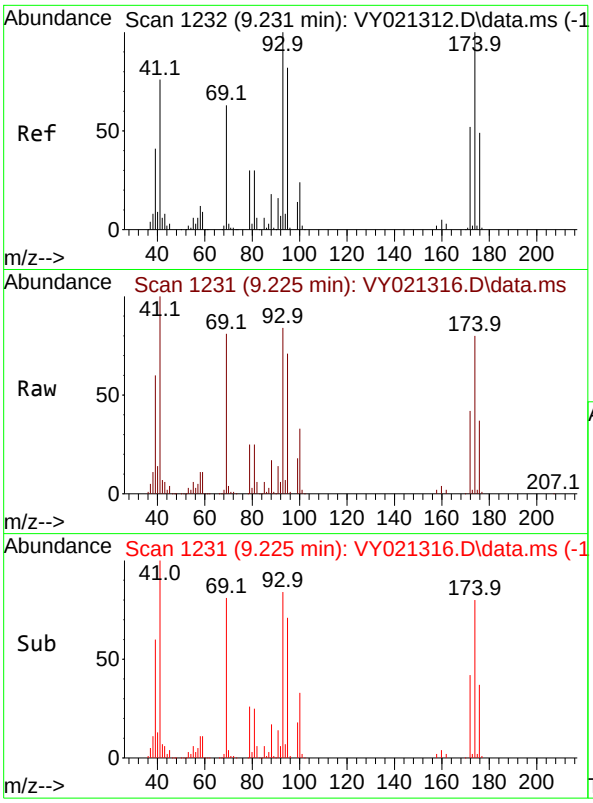


#48
Methyl methacrylate
Concen: 101.635 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 135412

Ion	Ratio	Lower	Upper
41	100		
69	78.9	63.3	94.9
39	58.0	45.0	67.6



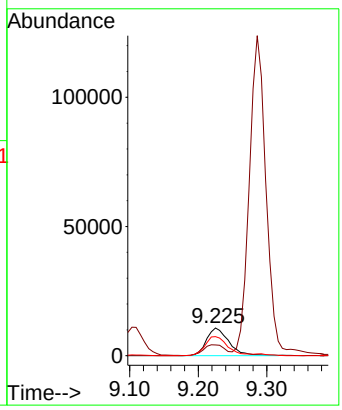


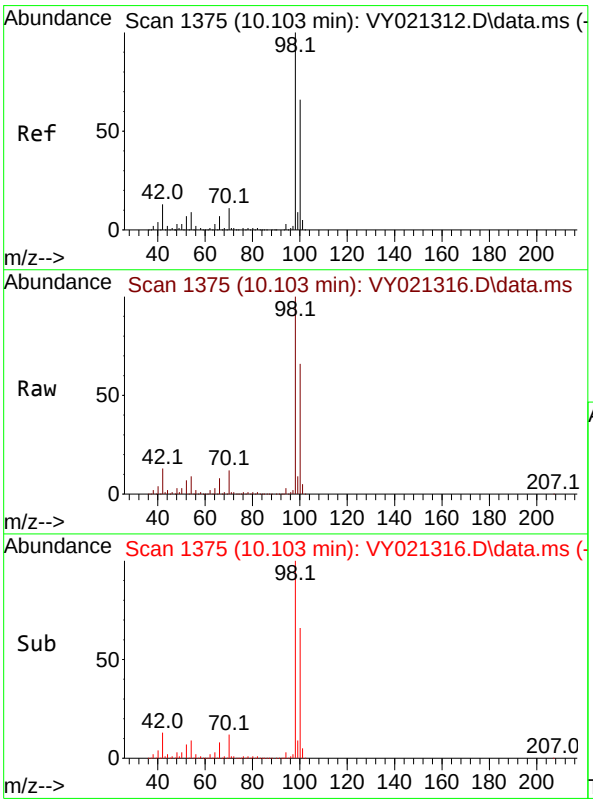
#49
1,4-Dioxane
Concen: 1903.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 24355

Ion	Ratio	Lower	Upper
88	100		
43	38.0	34.8	52.2
58	70.4	59.8	89.6

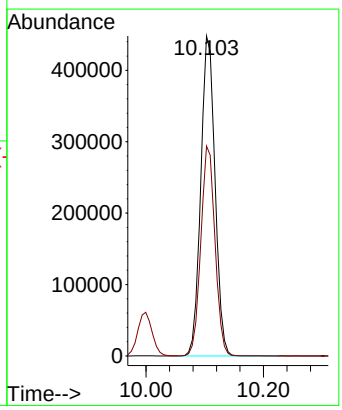


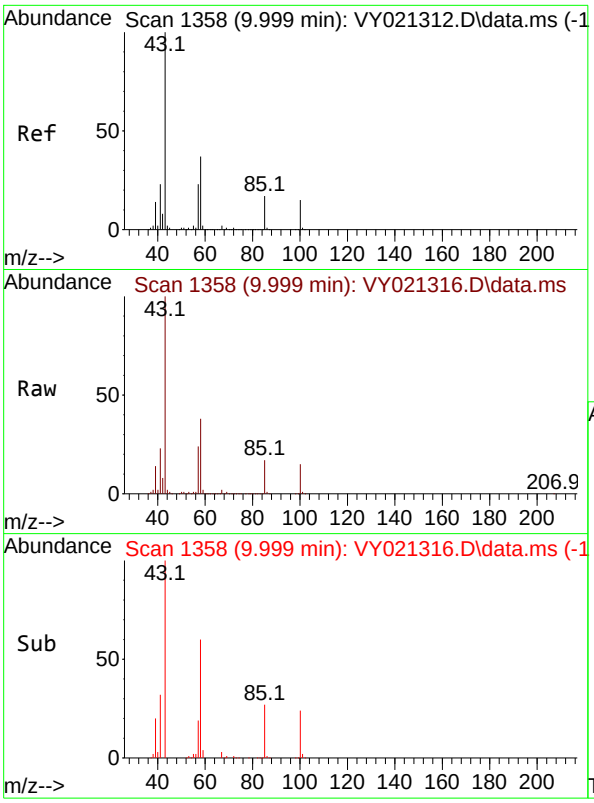


#50
Toluene-d8
Concen: 98.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 98 Resp: 752895

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6



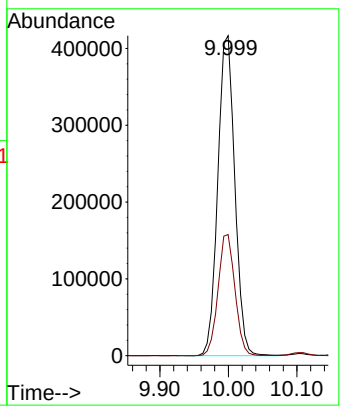


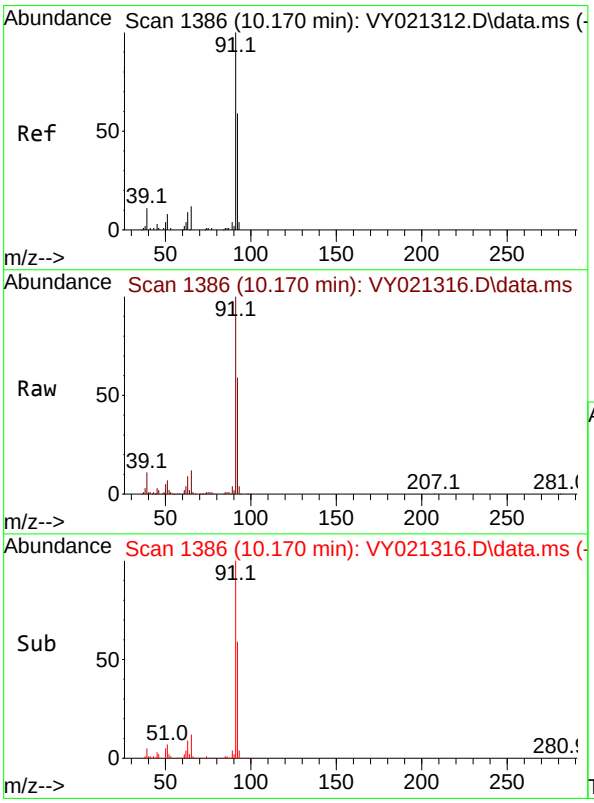
#51
4-Methyl-2-Pentanone
Concen: 490.938 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 716009

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1

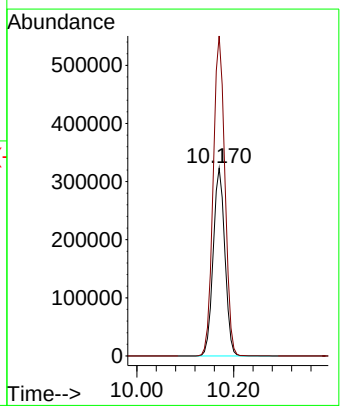


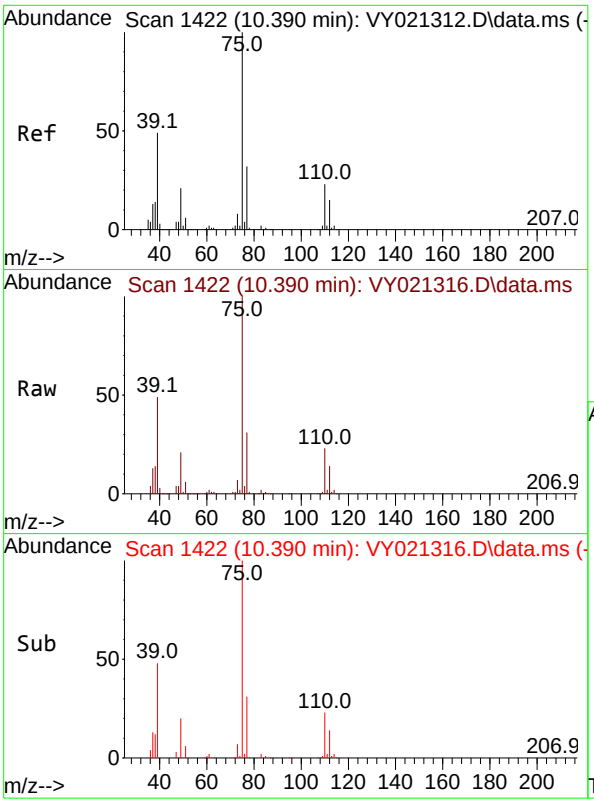


#52
Toluene
Concen: 99.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 92 Resp: 539016

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8



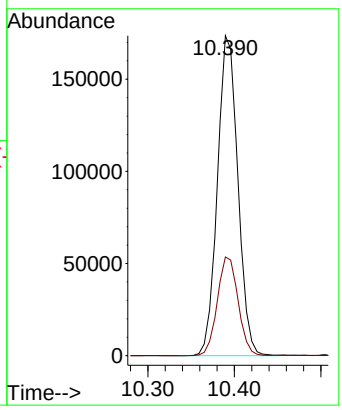


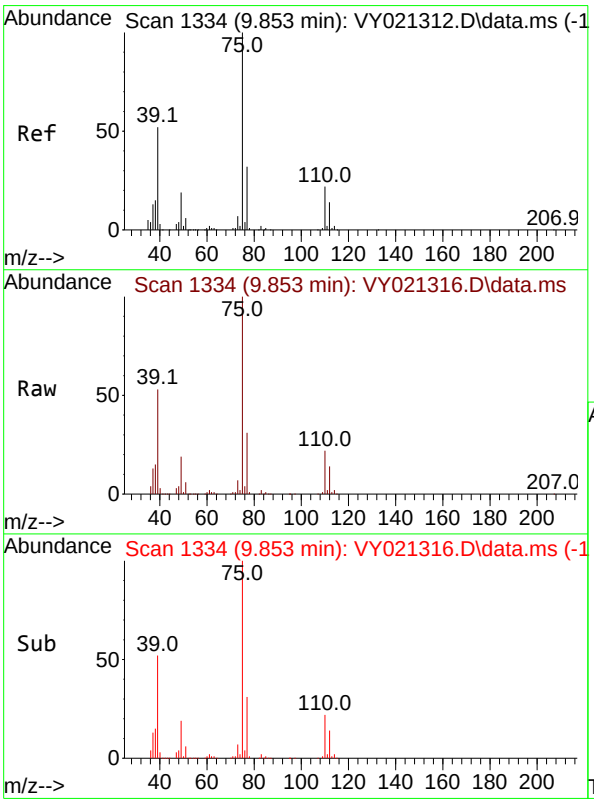
#53
t-1,3-Dichloropropene
Concen: 101.290 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 284731

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9

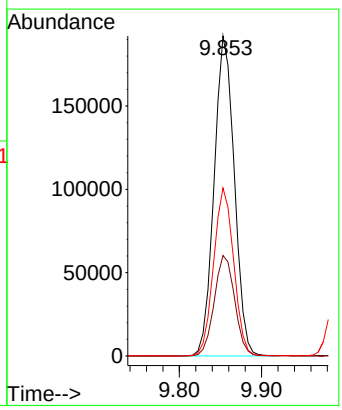


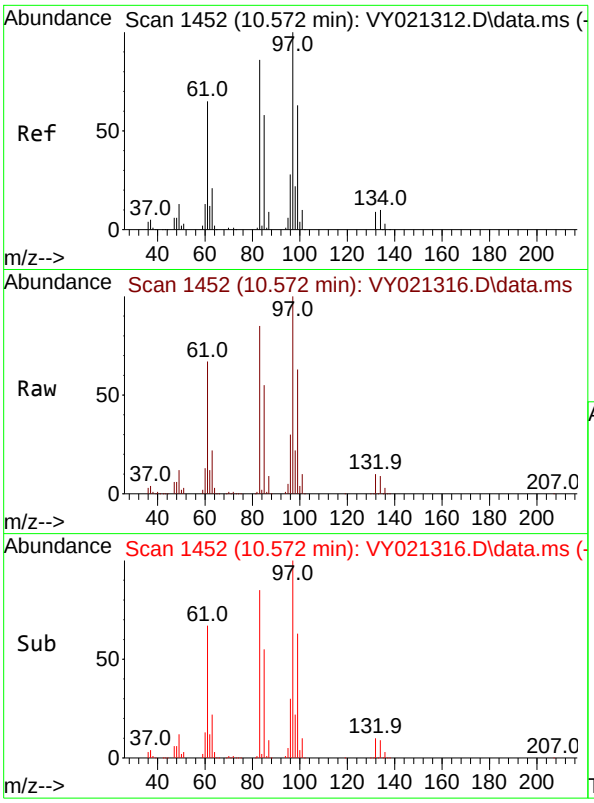


#54
cis-1,3-Dichloropropene
Concen: 98.870 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 328107

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	52.5	41.8	62.6



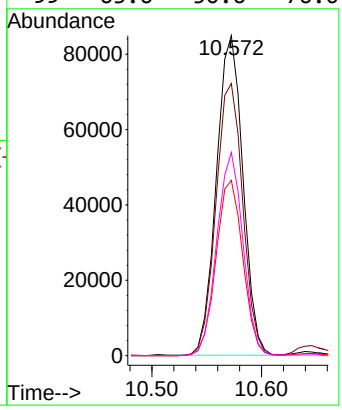


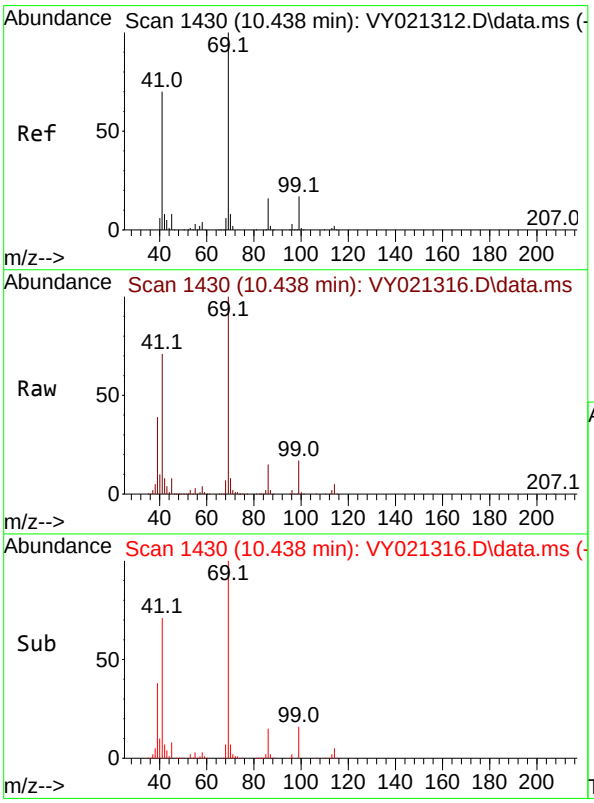
#55
1,1,2-Trichloroethane
Concen: 94.975 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 142372

Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.7	103.1
85	54.9	46.3	69.5
99	63.6	50.6	76.0

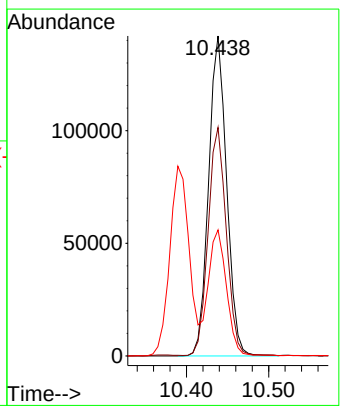


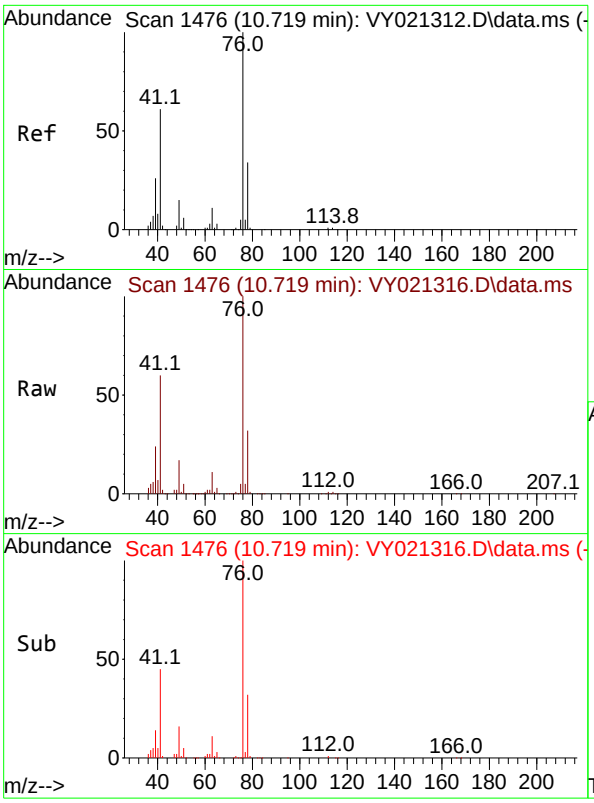


#56
Ethyl methacrylate
Concen: 104.564 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 69 Resp: 216586

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.2	84.4
39	40.2	32.7	49.1



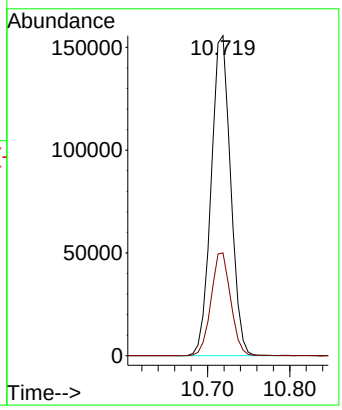


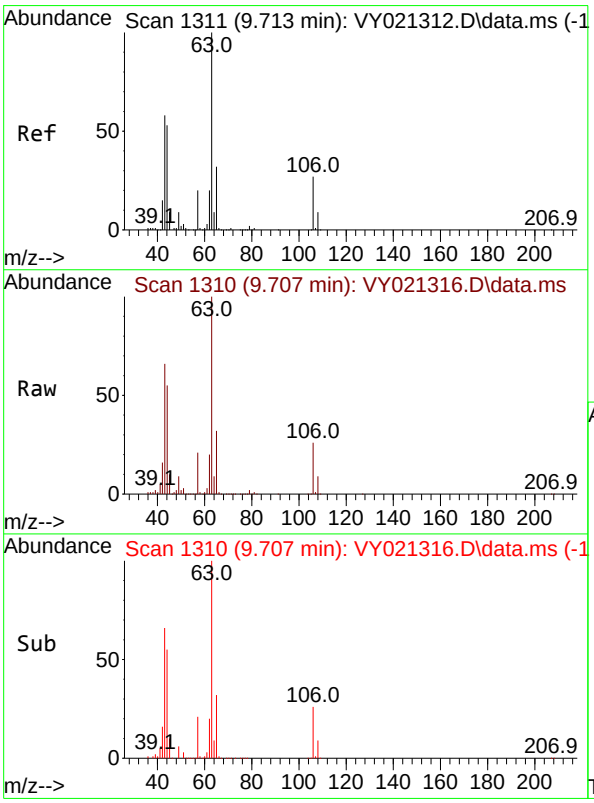
#57
1,3-Dichloropropane
Concen: 97.283 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 255903

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

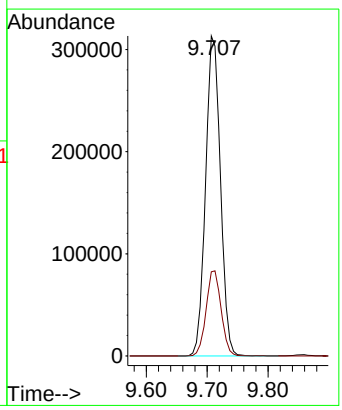


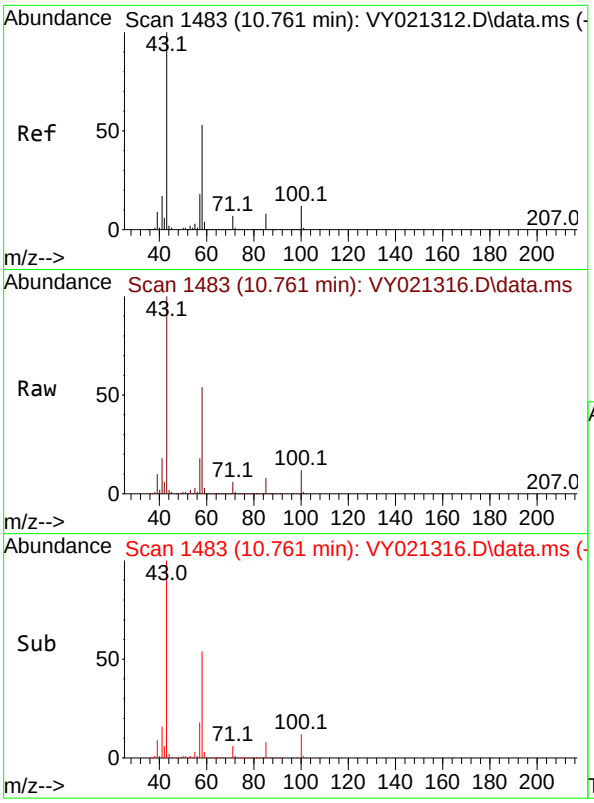


#58
2-Chloroethyl Vinyl ether
Concen: 533.791 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 530695

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5



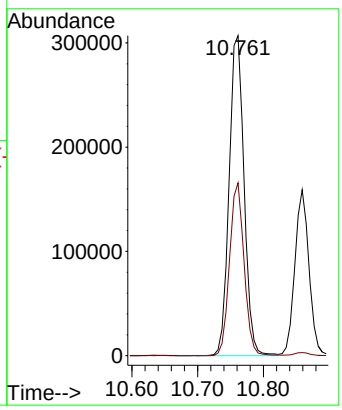


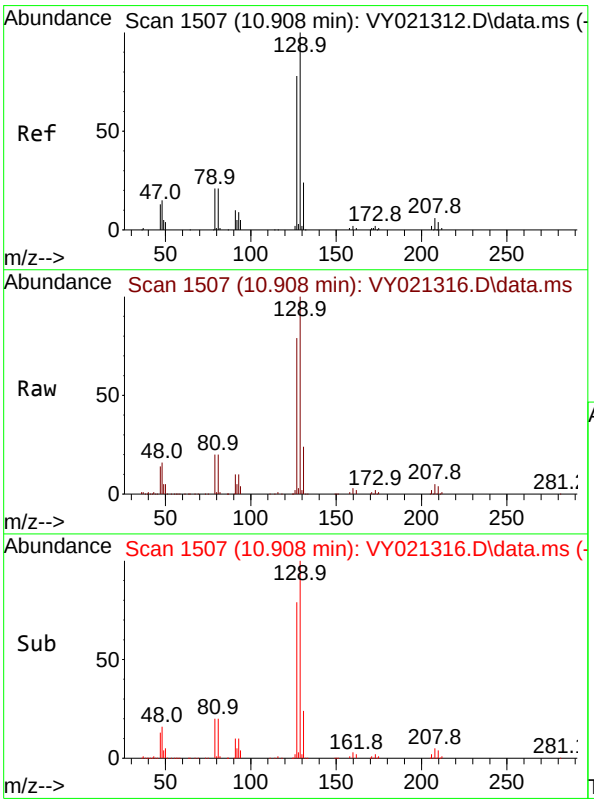
#59
2-Hexanone
Concen: 507.115 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 485734

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.9	77.6

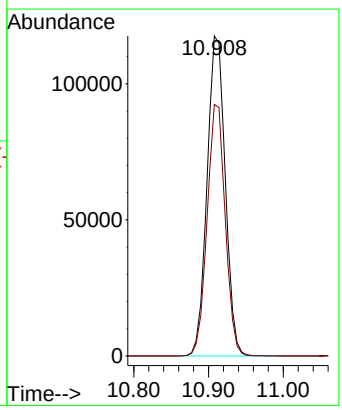


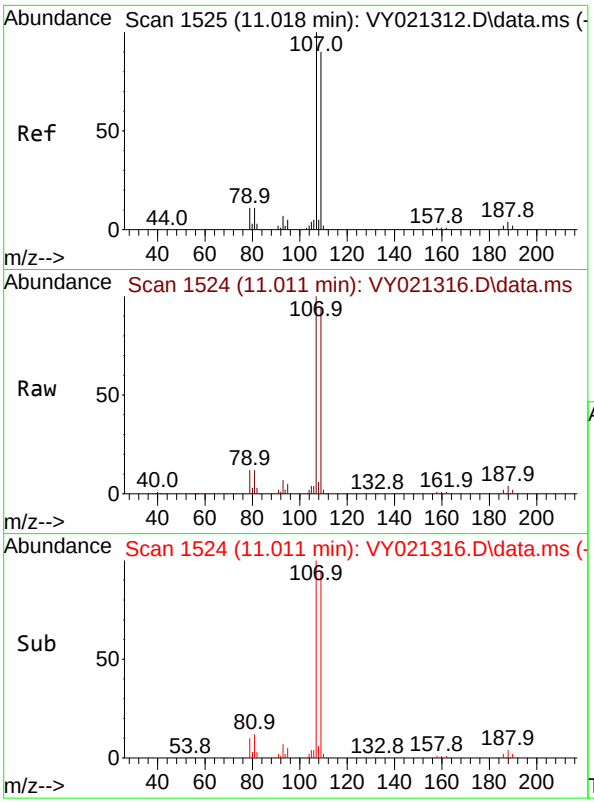


#60
Dibromochloromethane
Concen: 97.582 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:129 Resp: 199225

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.8	116.4



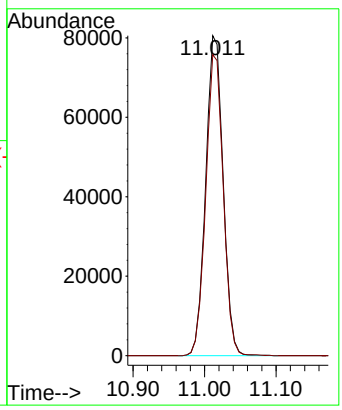


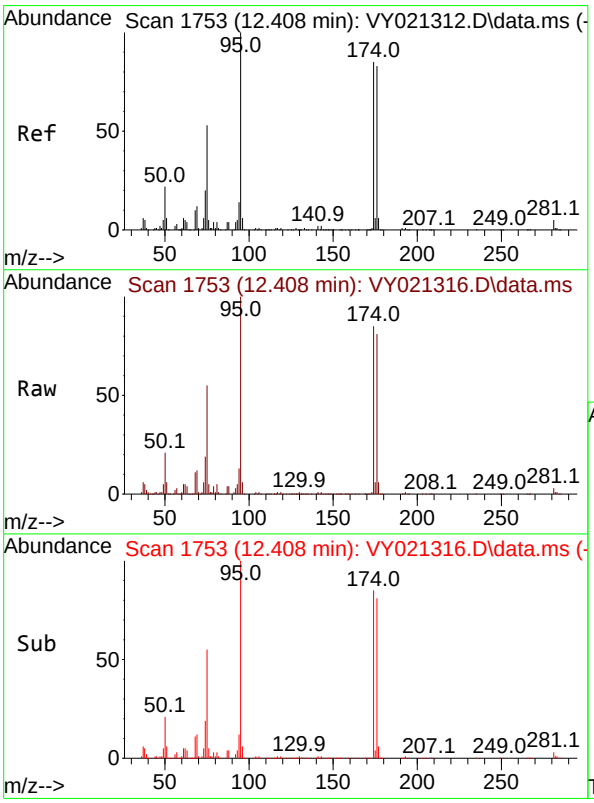
#61
1,2-Dibromoethane
Concen: 96.029 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 136284

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.8

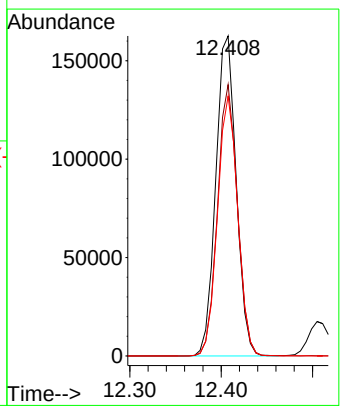


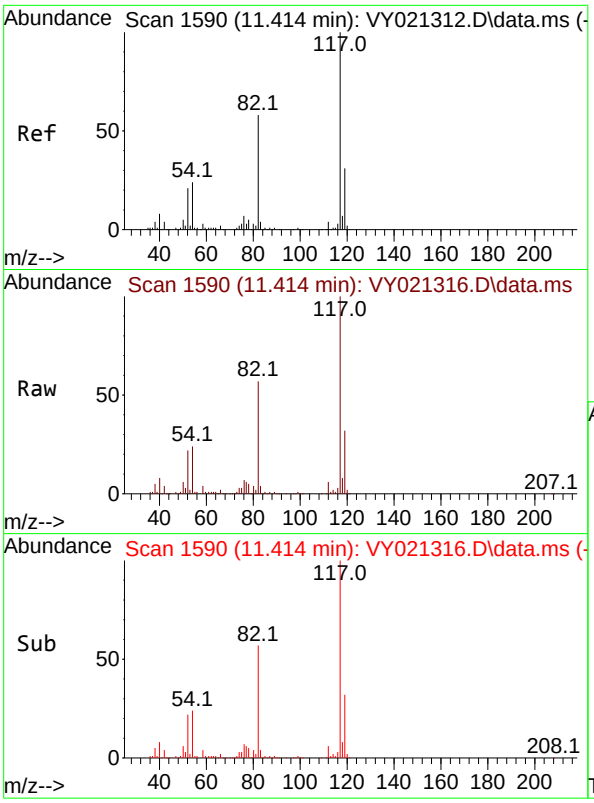


#62
4-Bromofluorobenzene
Concen: 98.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 95 Resp: 252327

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6



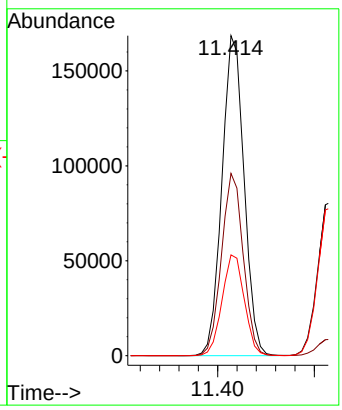


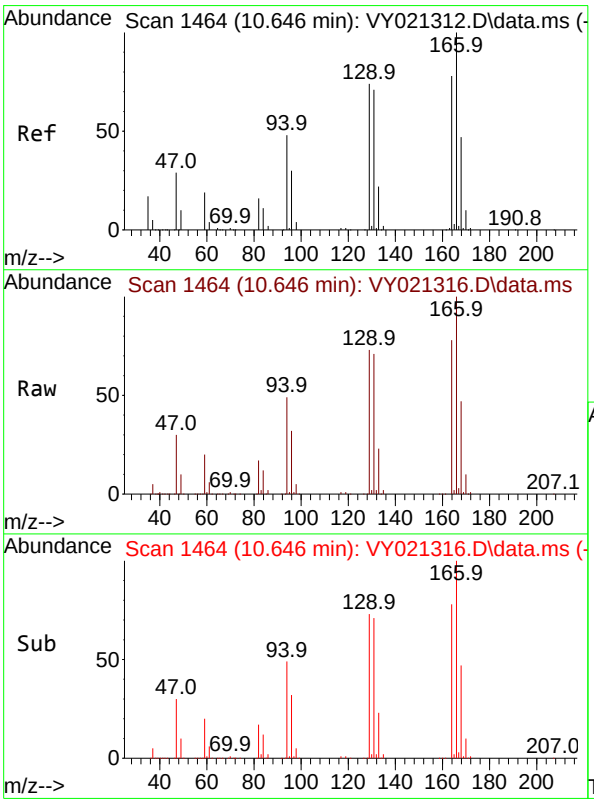
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 267150

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.2	69.4
119	31.5	24.9	37.3

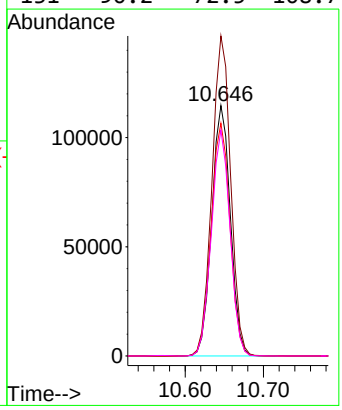


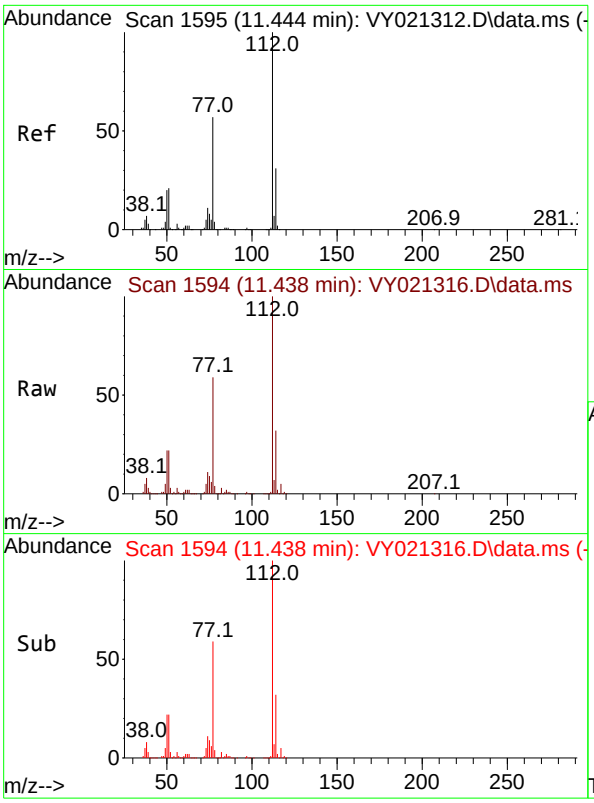


#64
Tetrachloroethene
Concen: 93.936 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:164 Resp: 189679

Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.9	152.9
129	92.9	75.5	113.3
131	90.2	72.5	108.7



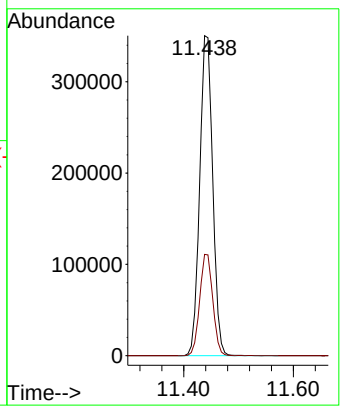


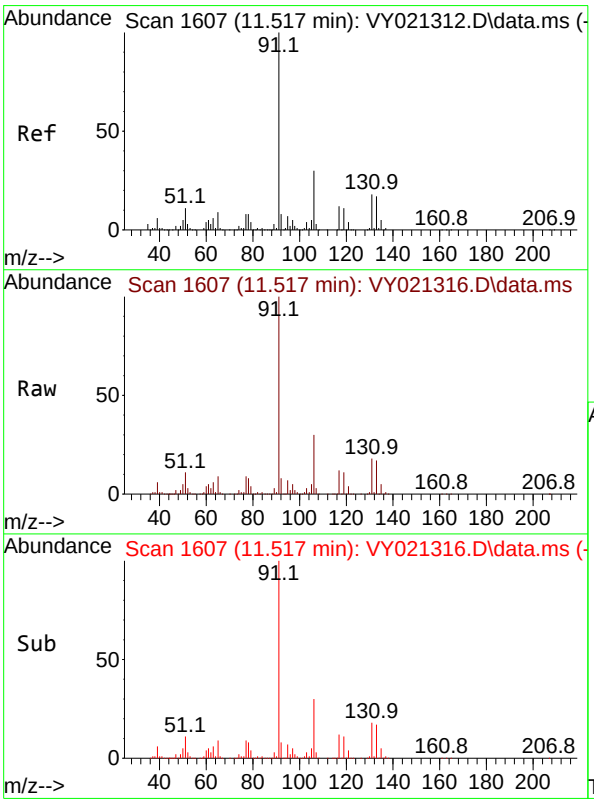
#65
Chlorobenzene
Concen: 96.070 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 576109

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

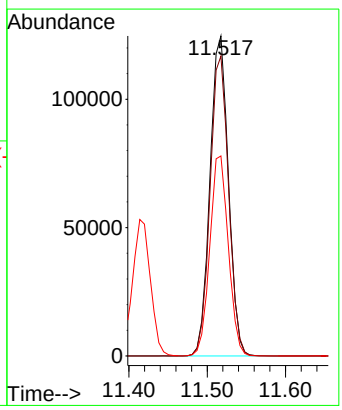


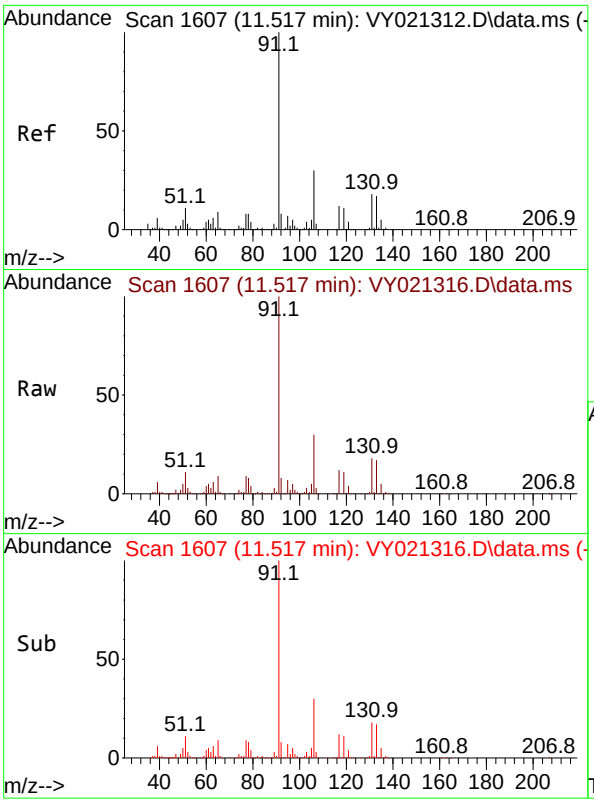


#66
1,1,1,2-Tetrachloroethane
Concen: 97.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:131 Resp: 203696

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.6
119	62.8	31.7	95.1



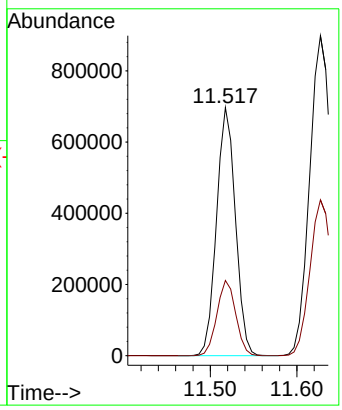


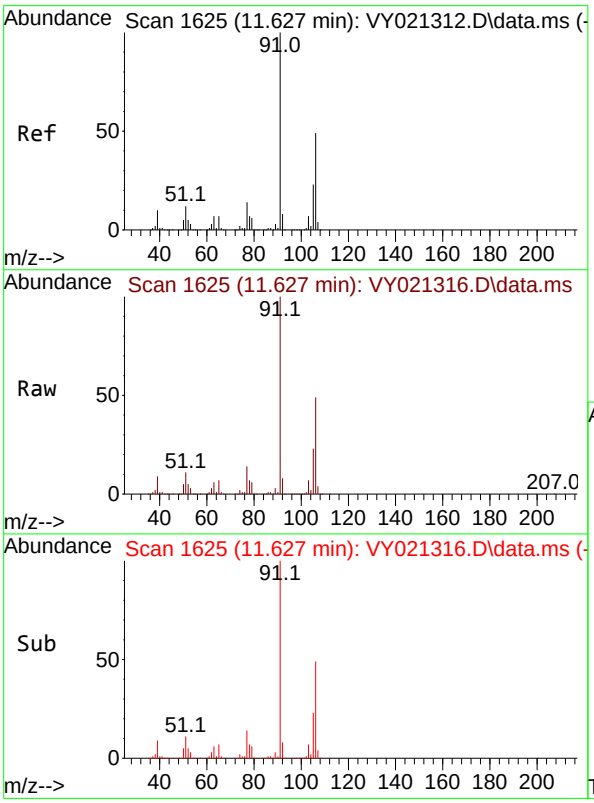
#67
Ethyl Benzene
Concen: 99.522 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1057129

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6

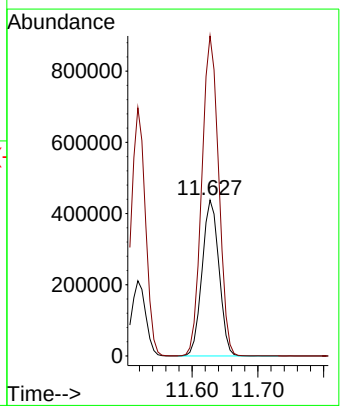


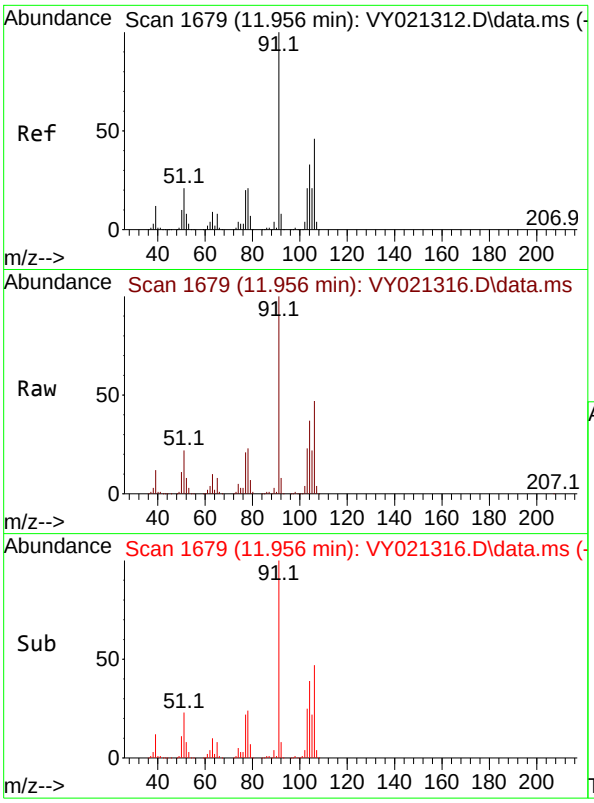


#68
m/p-Xylenes
Concen: 195.986 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 783034

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9



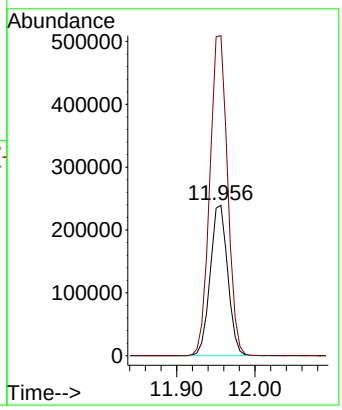


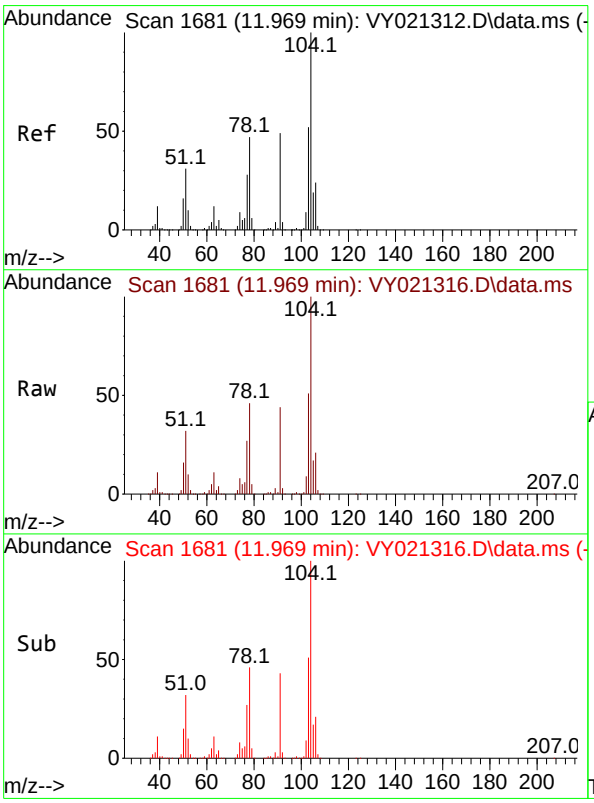
#69
o-Xylene
Concen: 99.112 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 370964

Ion	Ratio	Lower	Upper
106	100		
91	216.3	108.1	324.2

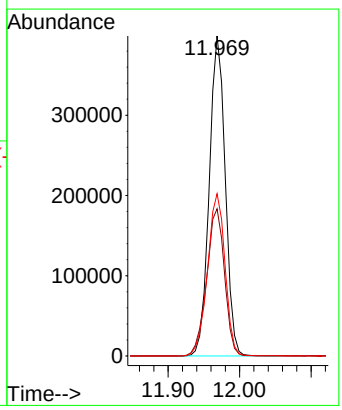


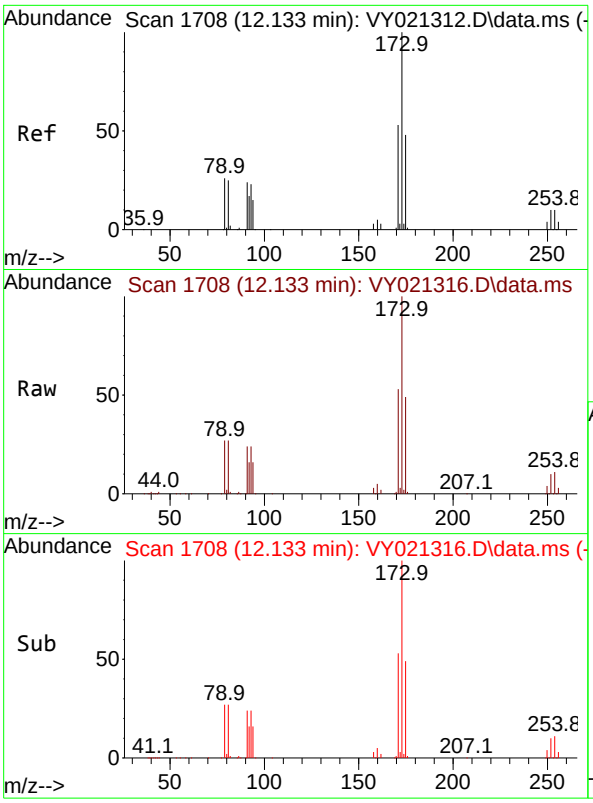


#70
Styrene
Concen: 99.469 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:104 Resp: 619437

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	55.4	43.9	65.9



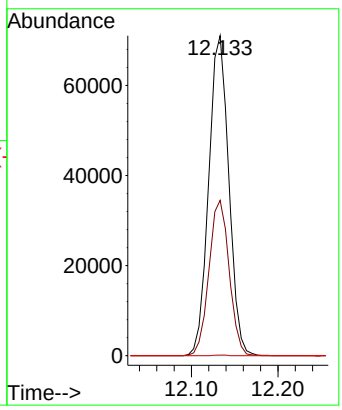


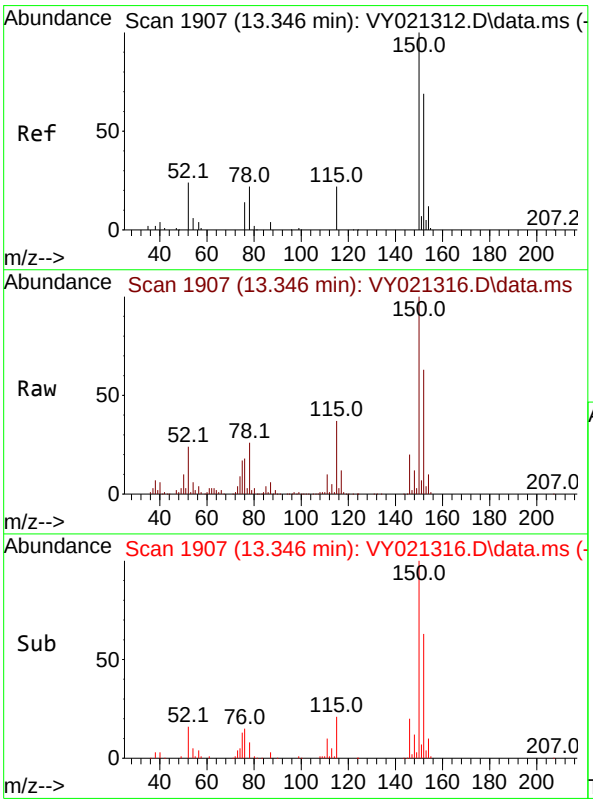
#71
Bromoform
Concen: 95.313 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 114495

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1#

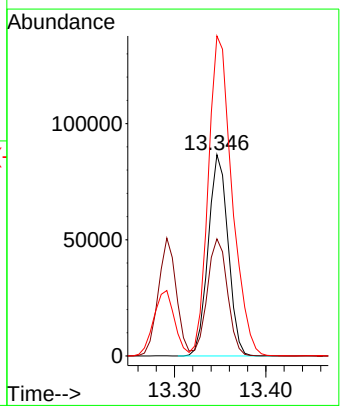


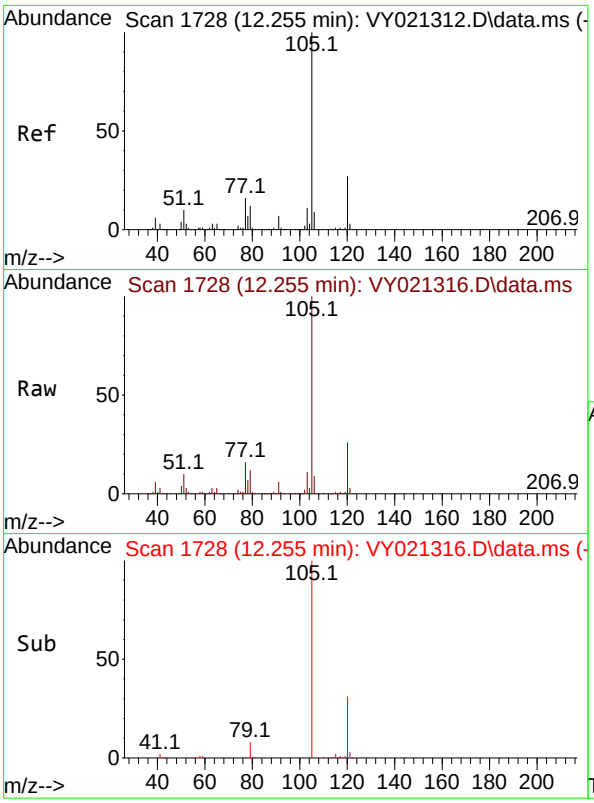


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:152 Resp: 130541

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	190.2	0.0	347.4



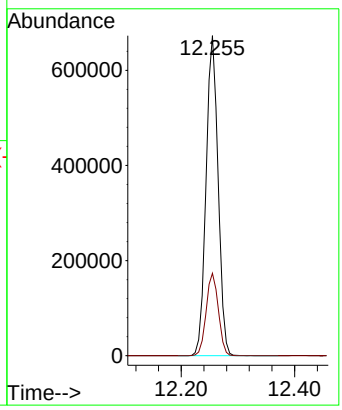


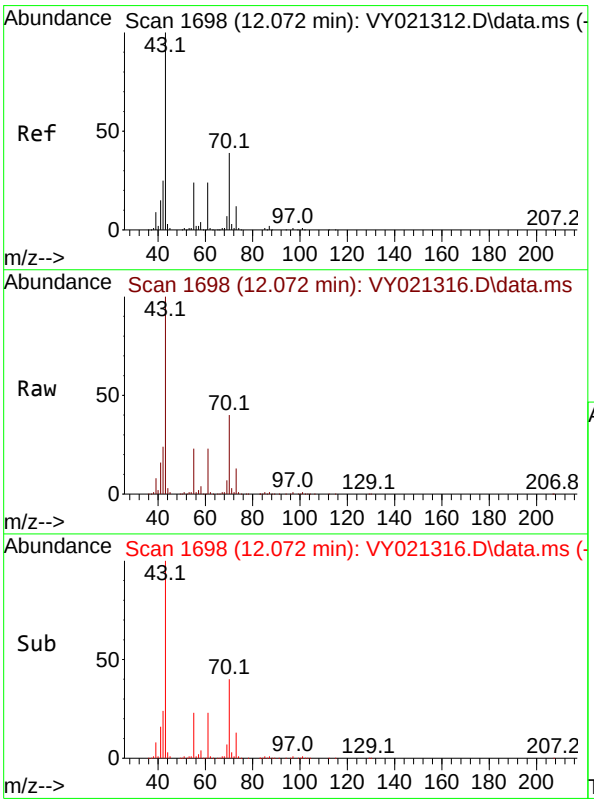
#73
Isopropylbenzene
Concen: 100.648 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 987758

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8

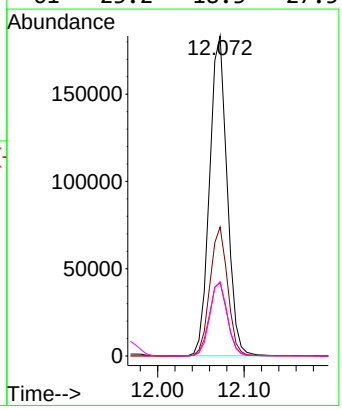


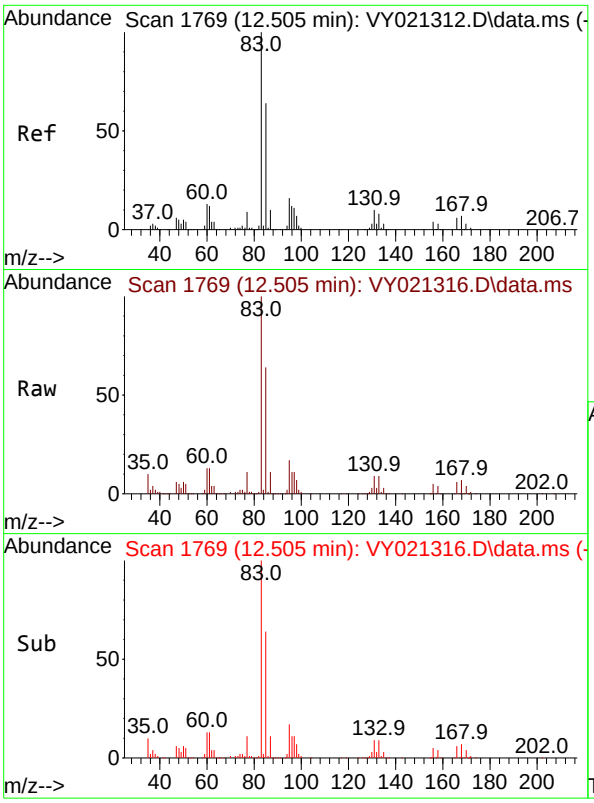


#74
N-amyl acetate
Concen: 103.658 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 258576

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	23.8	19.6	29.4
61	23.2	18.3	27.5



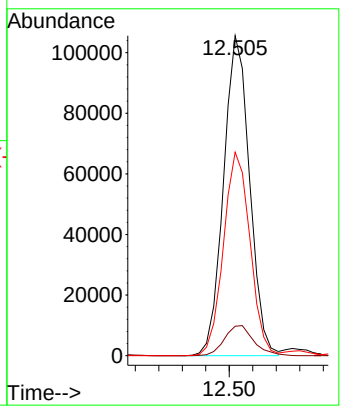


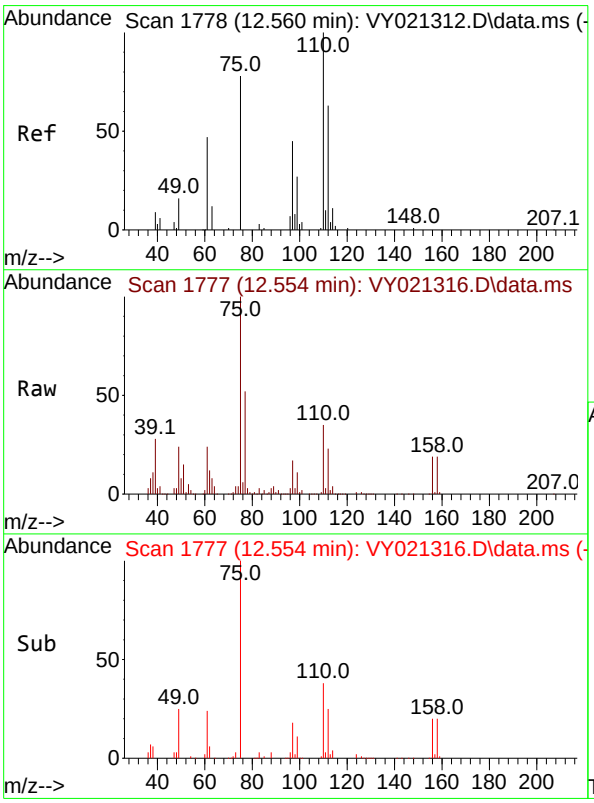
#75
1,1,2,2-Tetrachloroethane
Concen: 94.075 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 162941

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.6	32.0	96.0

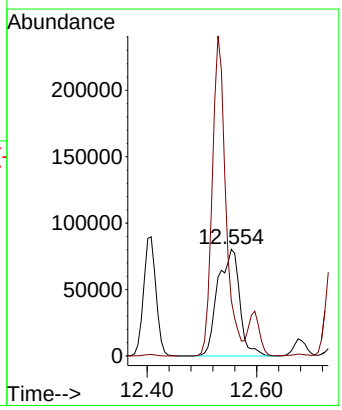


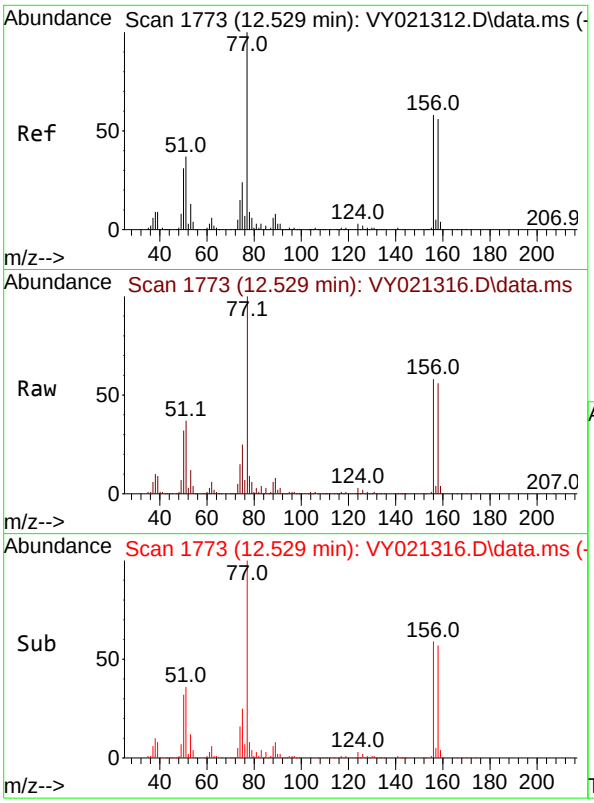


#76
1,2,3-Trichloropropane
Concen: 168.760 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 221853

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



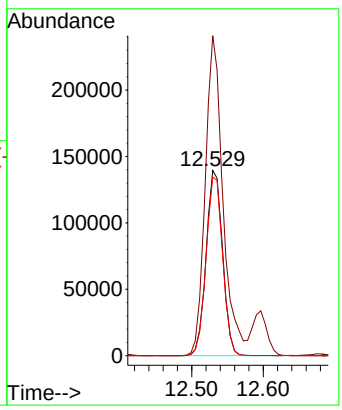


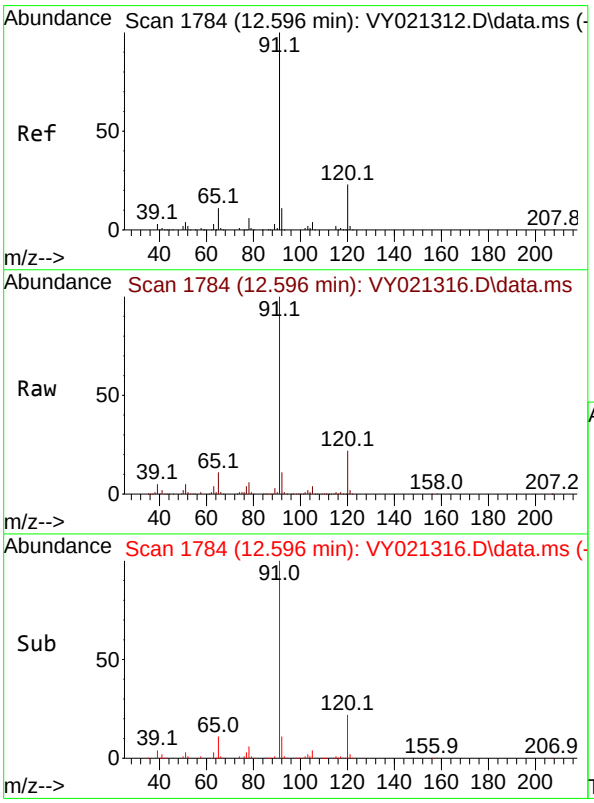
#77
Bromobenzene
Concen: 97.728 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 223081

Ion	Ratio	Lower	Upper
156	100		
77	184.2	94.0	282.1
158	96.9	48.7	146.1

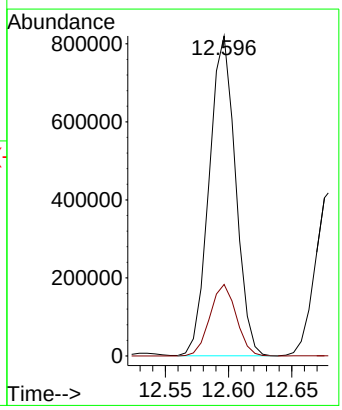


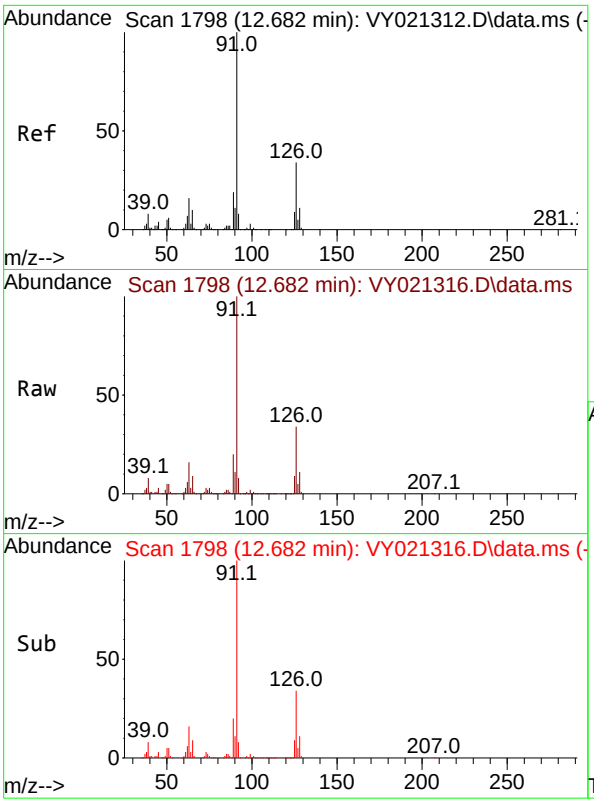


#78
n-propylbenzene
Concen: 99.651 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 1186751

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



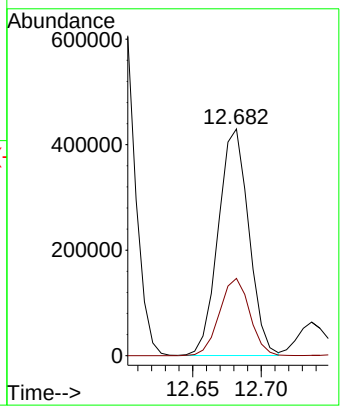


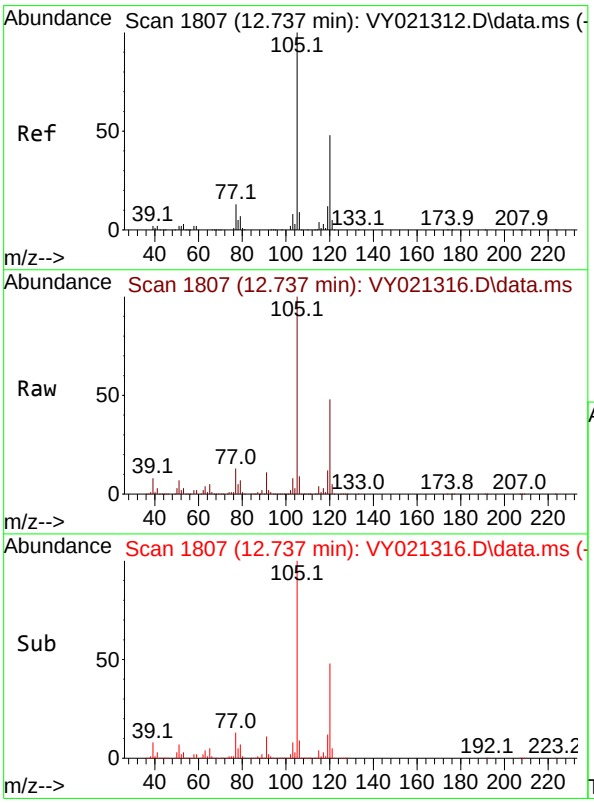
#79
2-Chlorotoluene
Concen: 97.455 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 666071

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

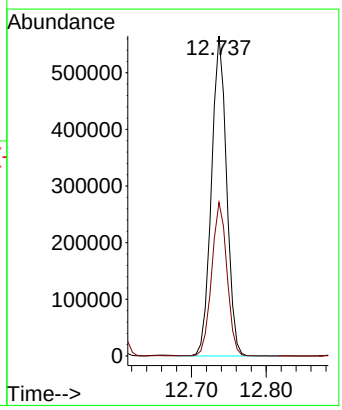


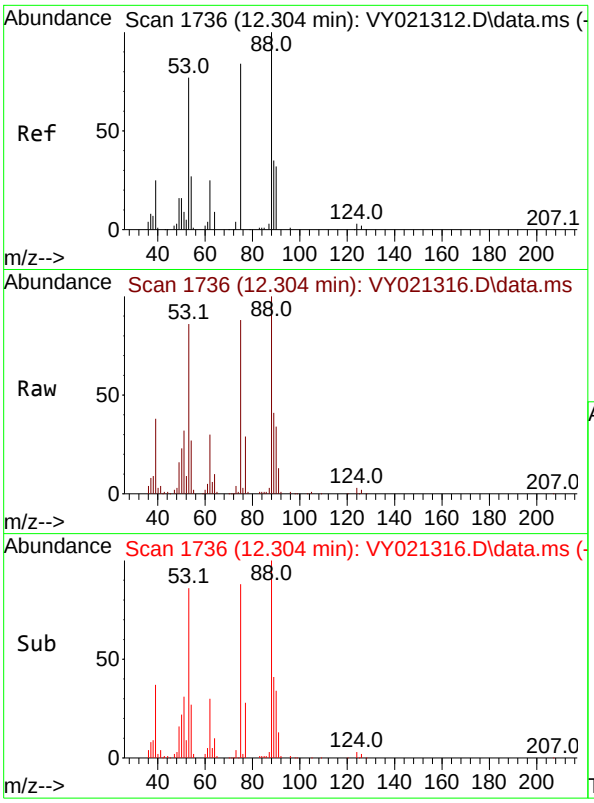


#80
1,3,5-Trimethylbenzene
Concen: 98.676 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 794247

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0



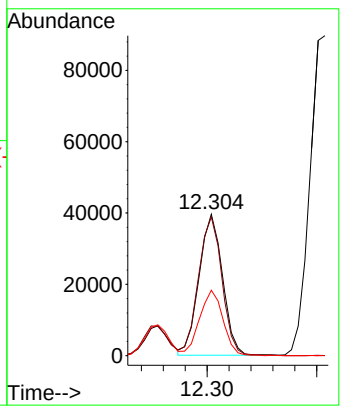


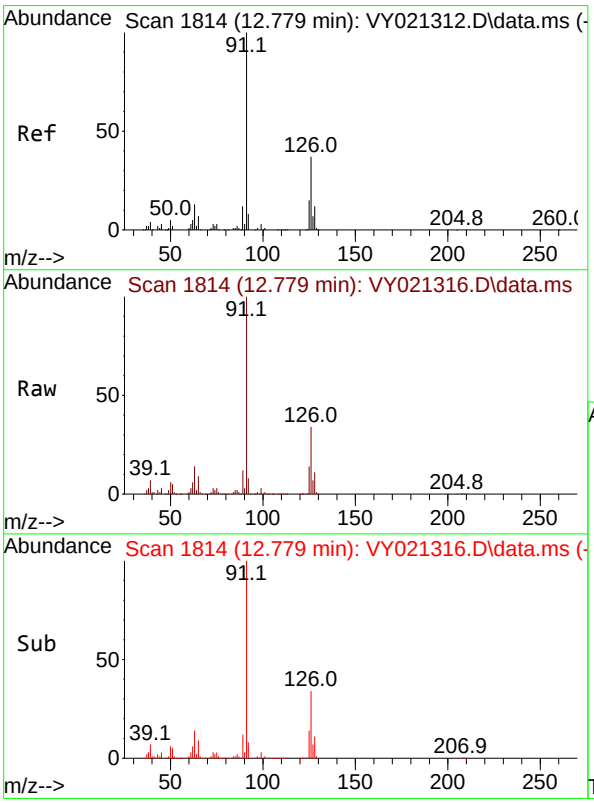
#81
trans-1,4-Dichloro-2-butene
Concen: 100.031 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 58806

Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.1	118.7
89	46.7	35.6	53.4

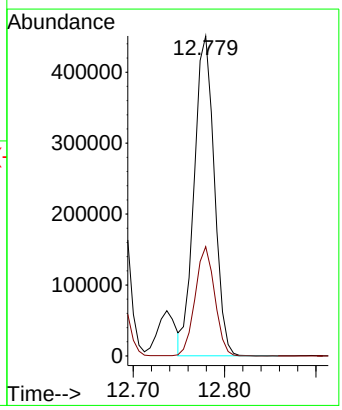


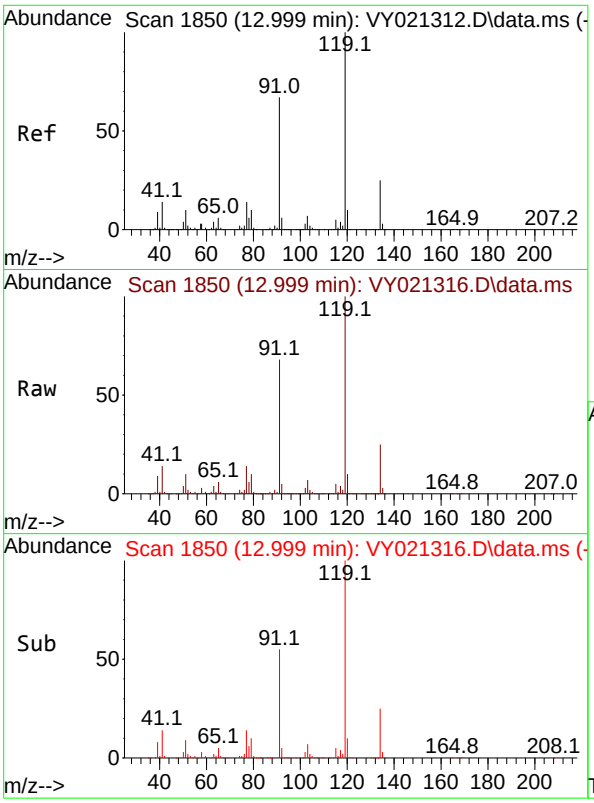


#82
4-Chlorotoluene
Concen: 97.022 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 687385

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4



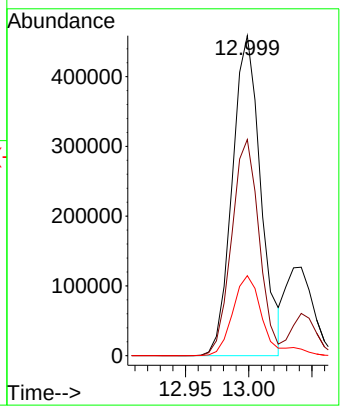


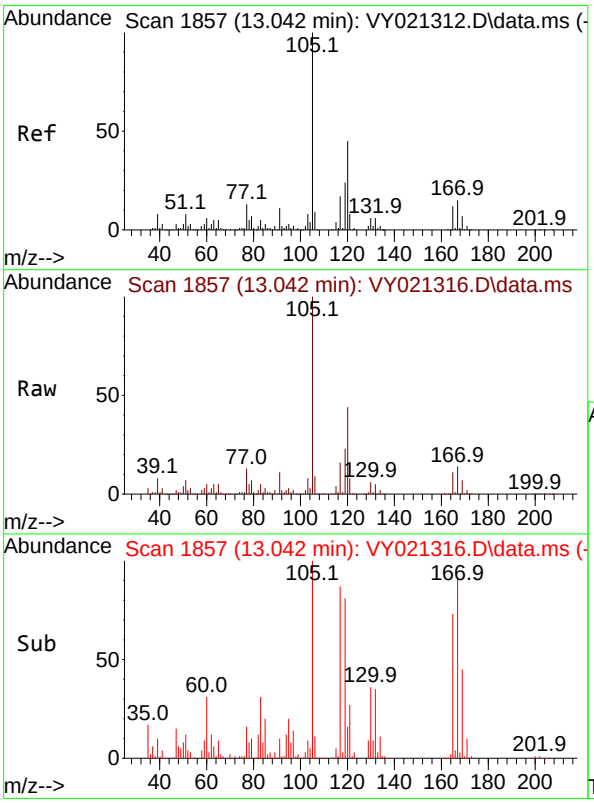
#83
tert-Butylbenzene
Concen: 99.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 720480

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9

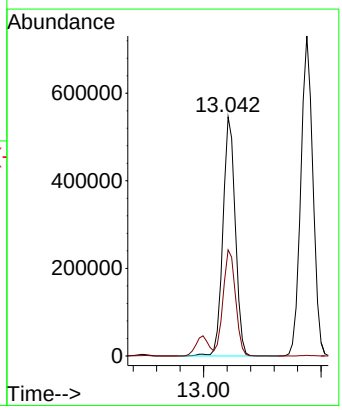


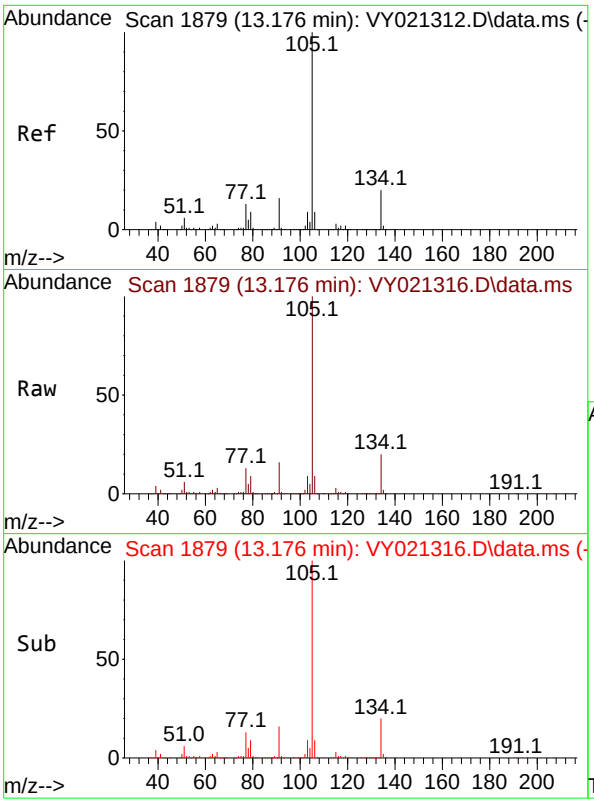


#84
1,2,4-Trimethylbenzene
Concen: 99.415 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 795840

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3



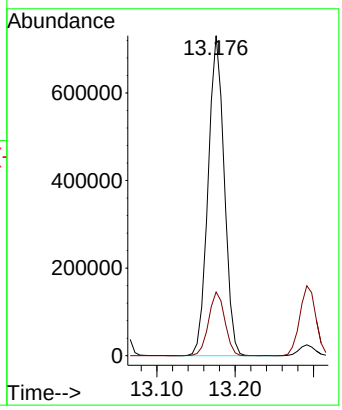


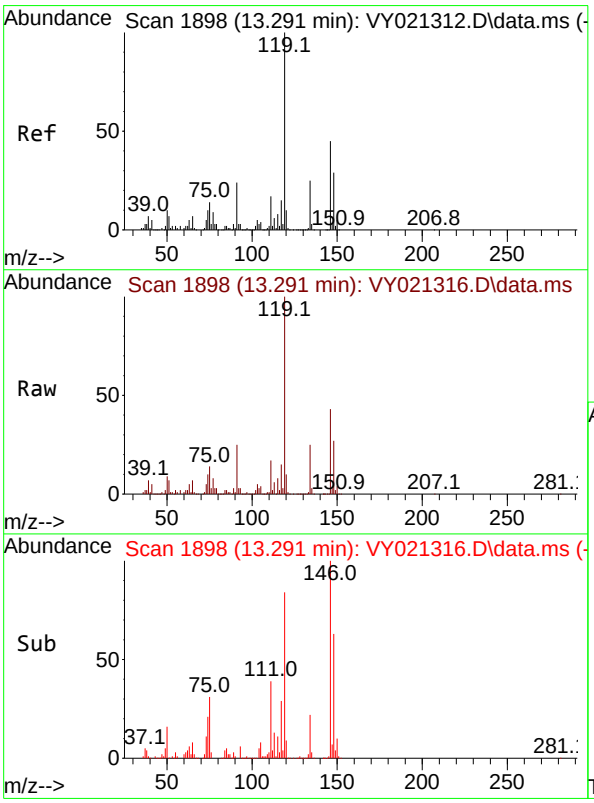
#85
sec-Butylbenzene
Concen: 98.021 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1041022

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

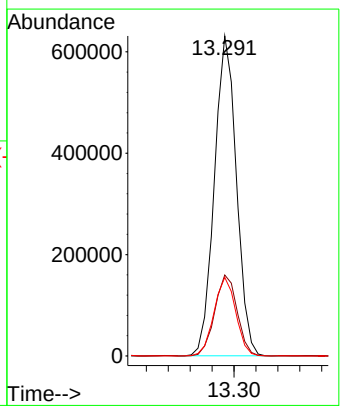


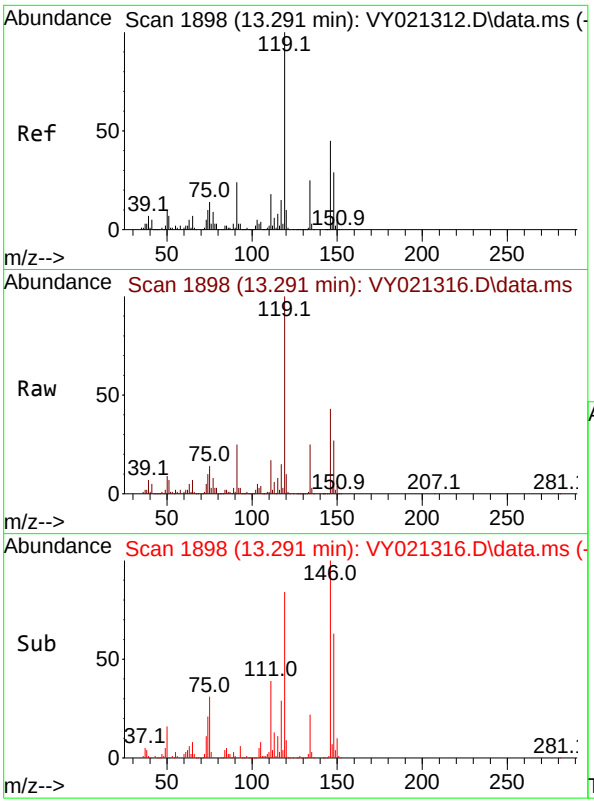


#86
p-Isopropyltoluene
Concen: 99.431 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 881757

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.3	12.0	36.1



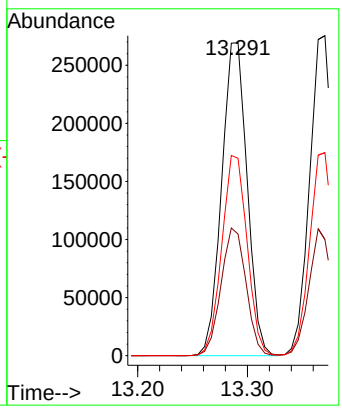


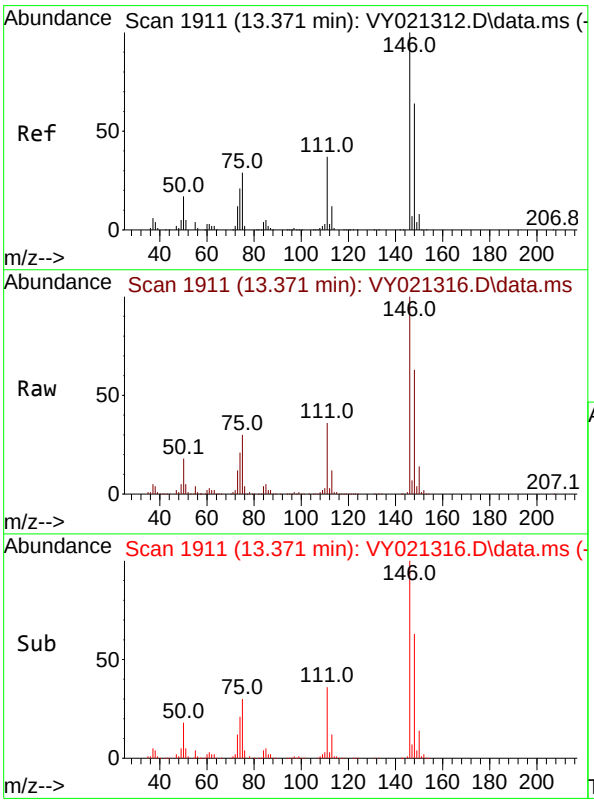
#87
1,3-Dichlorobenzene
Concen: 96.445 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 435489

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.6	31.9	95.9

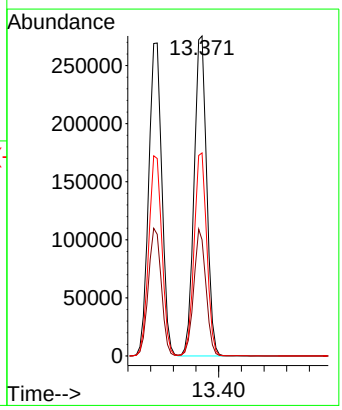


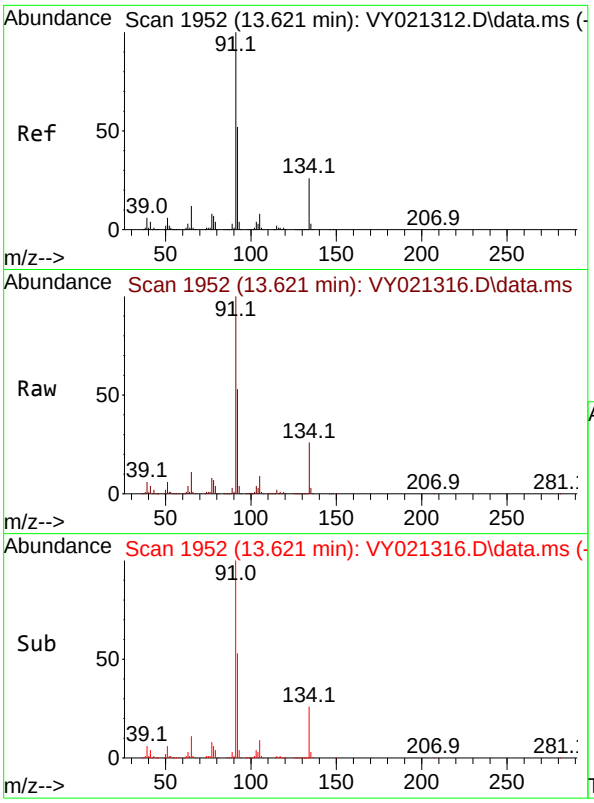


#88
1,4-Dichlorobenzene
Concen: 95.343 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 425301

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.7	32.0	96.2



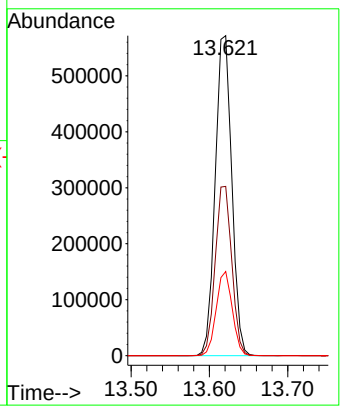


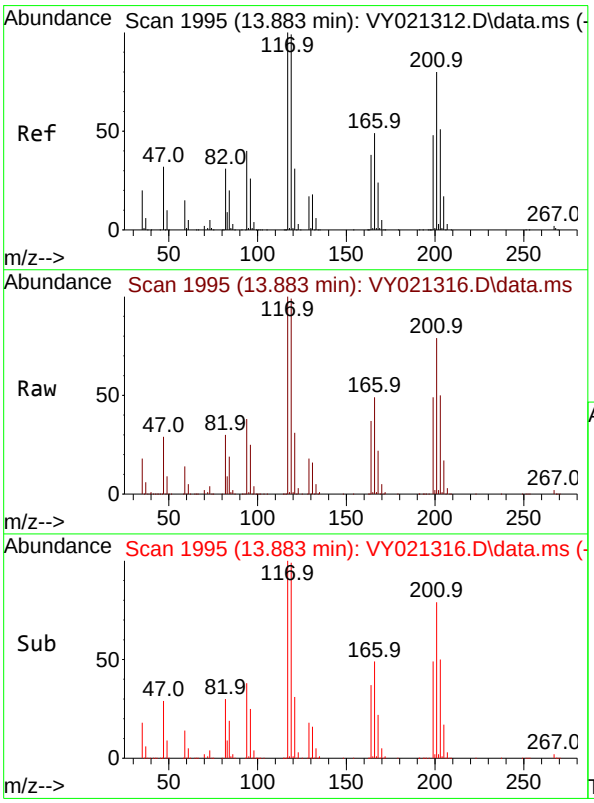
#89
n-Butylbenzene
Concen: 100.683 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 840236

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.5	12.7	38.0

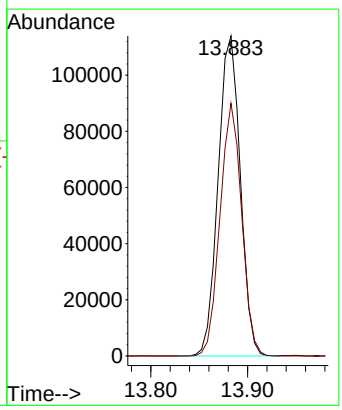


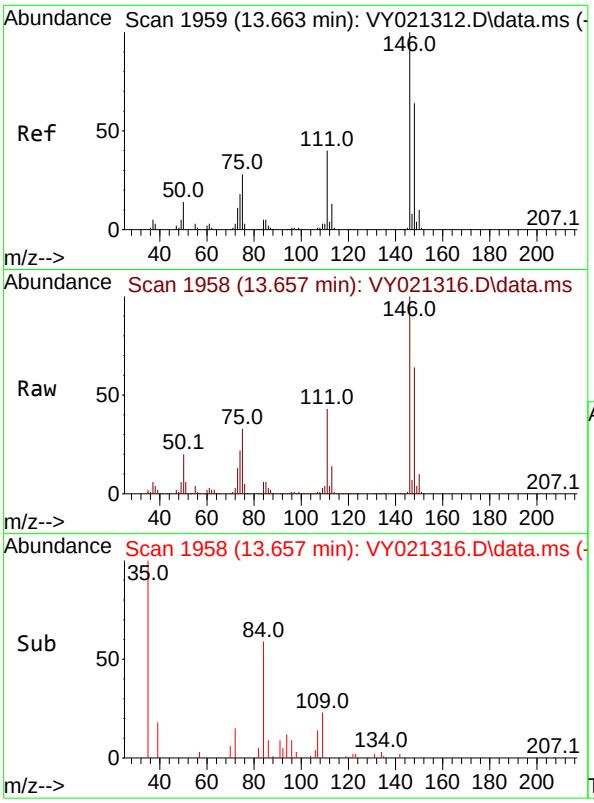


#90
Hexachloroethane
Concen: 97.720 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 181015

Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.4	115.2



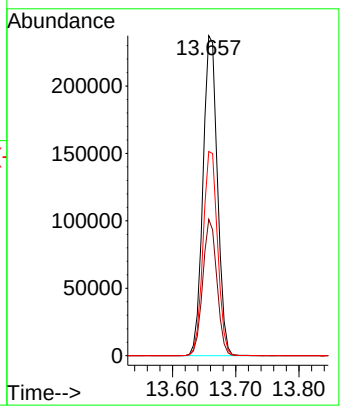


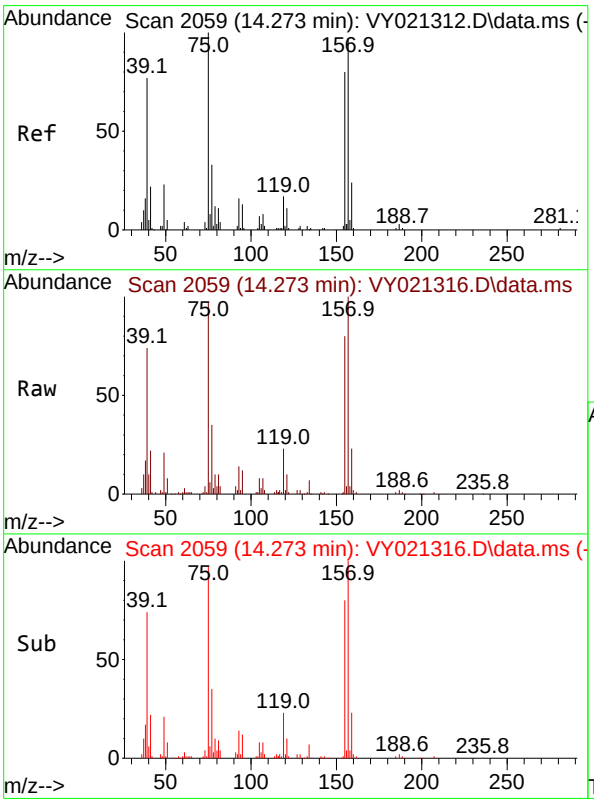
#91
1,2-Dichlorobenzene
Concen: 95.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 377453

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.1	31.7	95.1

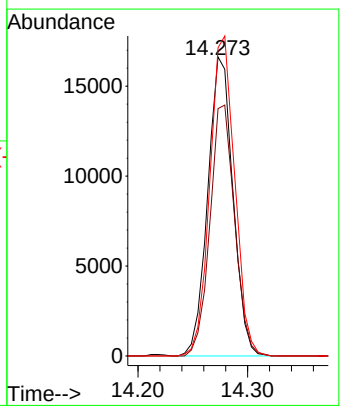


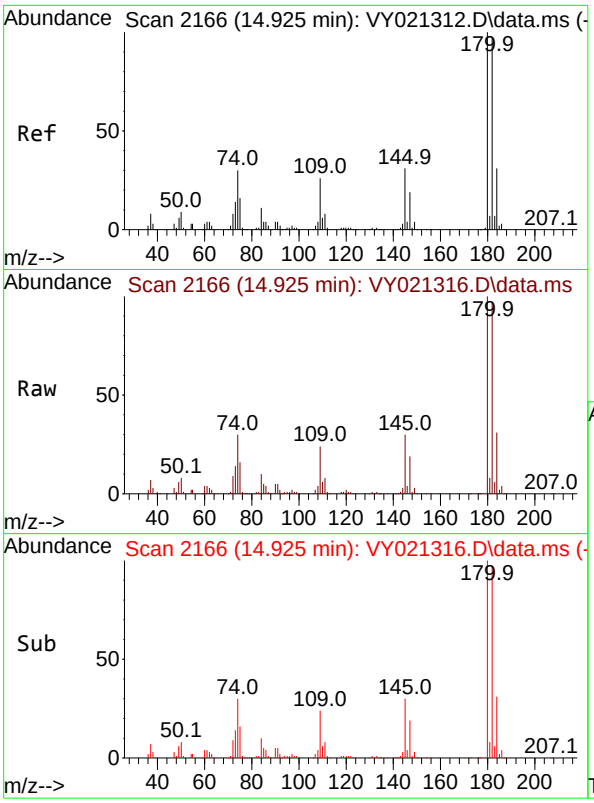


#92
1,2-Dibromo-3-Chloropropane
Concen: 96.867 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 26541

Ion	Ratio	Lower	Upper
75	100		
155	82.1	41.9	125.6
157	105.5	52.5	157.6



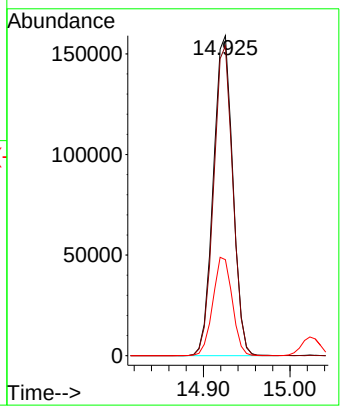


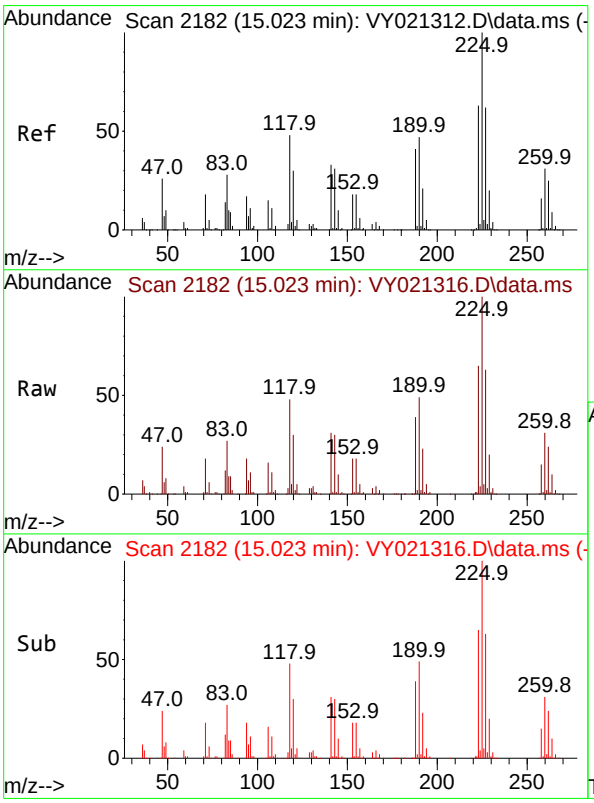
#93
1,2,4-Trichlorobenzene
Concen: 102.770 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 248146

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.6	15.6	46.8

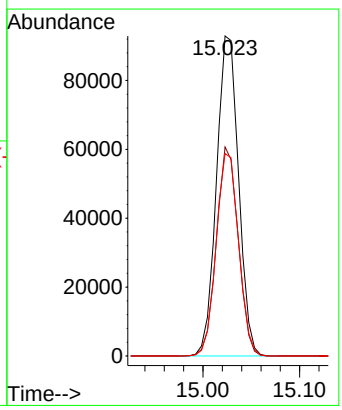


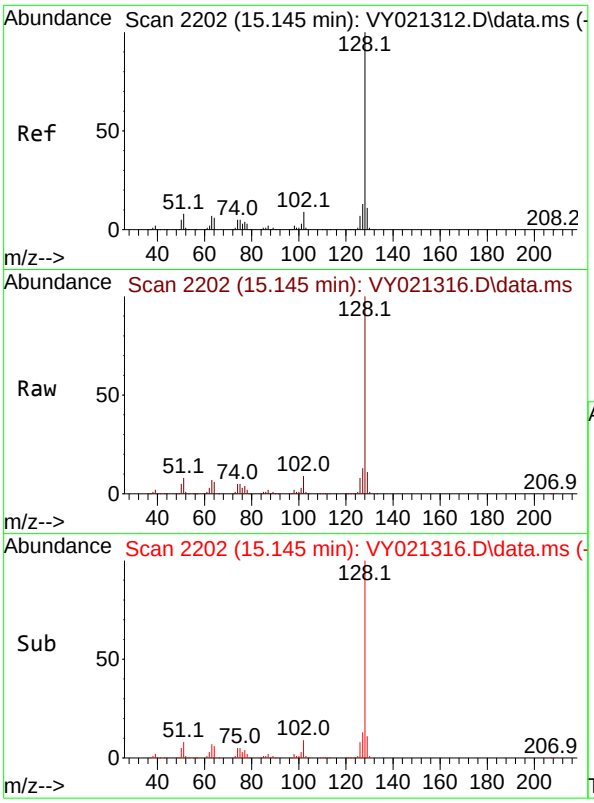


#94
Hexachlorobutadiene
Concen: 96.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:225 Resp: 147103

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.8	95.4
227	64.4	31.9	95.7



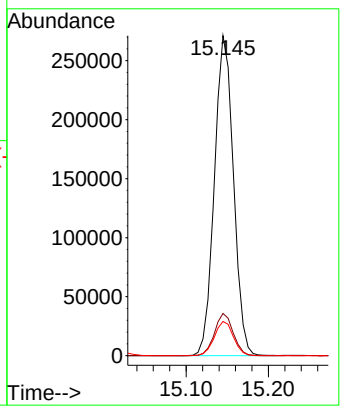


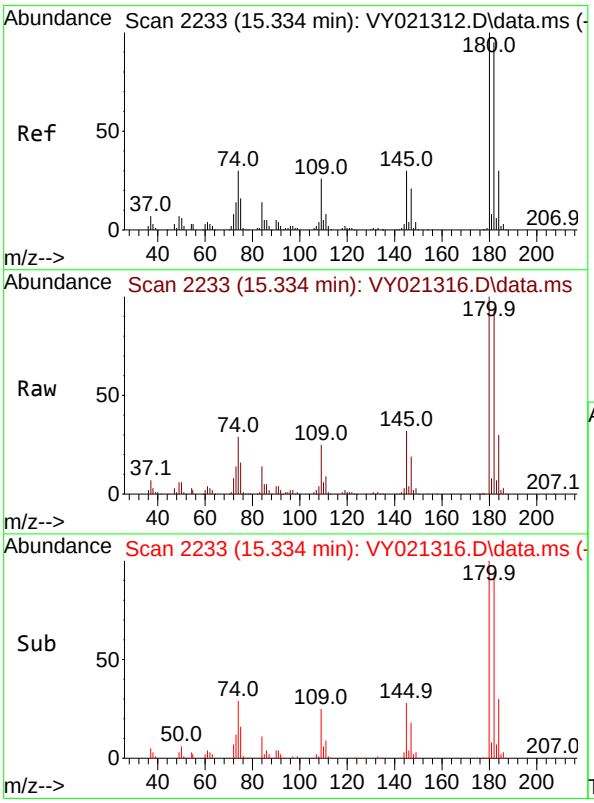
#95
Naphthalene
Concen: 109.220 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 436817

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.5	12.7

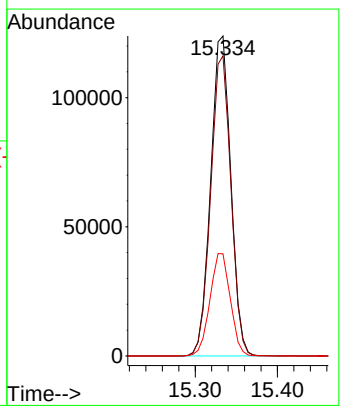




#96
1,2,3-Trichlorobenzene
Concen: 103.581 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 211313

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.9
145	32.3	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	183832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	257123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98960	47.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.900%			
35) Dibromofluoromethane	7.634	113	93944	49.037	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.080%			
50) Toluene-d8	10.109	98	360528	48.694	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.408	95	120972	48.549	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	93894	53.871	ug/l	98
3) Chloromethane	2.068	50	120479	53.523	ug/l	100
4) Vinyl Chloride	2.202	62	121922	55.184	ug/l	98
5) Bromomethane	2.598	94	77054	52.483	ug/l	100
6) Chloroethane	2.732	64	75086	54.804	ug/l	99
7) Trichlorofluoromethane	3.062	101	178123	53.384	ug/l	94
8) Diethyl Ether	3.458	74	54929	54.849	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	104678	54.188	ug/l	98
10) Methyl Iodide	4.007	142	124707	61.361	ug/l	100
11) Tert butyl alcohol	4.848	59	35572	221.762	ug/l	100
12) 1,1-Dichloroethene	3.793	96	100075	54.104	ug/l	98
13) Acrolein	3.653	56	6337	51.554	ug/l	95
14) Allyl chloride	4.385	41	181554	55.361	ug/l	99
15) Acrylonitrile	5.055	53	118343	267.274	ug/l	99
16) Acetone	3.866	43	90886	227.197	ug/l	99
17) Carbon Disulfide	4.104	76	335241	54.581	ug/l	100
18) Methyl Acetate	4.385	43	51200	52.372	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	265419	54.311	ug/l	97
20) Methylene Chloride	4.616	84	110456	51.062	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	112082	55.044	ug/l	99
22) Diisopropyl ether	6.018	45	377281	55.595	ug/l	99
23) Vinyl Acetate	5.957	43	1116005	275.197	ug/l	100
24) 1,1-Dichloroethane	5.915	63	210383	55.004	ug/l	99
25) 2-Butanone	6.890	43	152895	253.246	ug/l	97
26) 2,2-Dichloropropane	6.884	77	187045	53.893	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	130921	56.305	ug/l	98
28) Bromochloromethane	7.244	49	80309	47.452	ug/l	99
29) Tetrahydrofuran	7.262	42	102673	260.172	ug/l	99
30) Chloroform	7.421	83	213255	55.023	ug/l	98
31) Cyclohexane	7.701	56	191850	52.180	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	194325	55.084	ug/l	98
36) 1,1-Dichloropropene	7.835	75	157102	54.593	ug/l	100
37) Ethyl Acetate	6.982	43	72810	50.864	ug/l	99
38) Carbon Tetrachloride	7.817	117	175208	54.157	ug/l	99
39) Methylcyclohexane	9.109	83	197993	54.397	ug/l	99
40) Benzene	8.079	78	464323	54.583	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	39412	49.244	ug/l		96
42) 1,2-Dichloroethane	8.158	62	129718	53.746	ug/l		100
43) Isopropyl Acetate	8.195	43	145128	52.380	ug/l	#	87
44) Trichloroethene	8.865	130	116988	54.930	ug/l		100
45) 1,2-Dichloropropane	9.140	63	111498	54.464	ug/l		99
46) Dibromomethane	9.231	93	61031	54.539	ug/l		99
47) Bromodichloromethane	9.420	83	162580	54.489	ug/l		98
48) Methyl methacrylate	9.219	41	71360	55.076	ug/l		99
49) 1,4-Dioxane	9.225	88	13103	1053.076	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	372486	262.628	ug/l		100
52) Toluene	10.170	92	294219	55.674	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	152263	55.699	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	178951	55.451	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	77645	53.263	ug/l		98
56) Ethyl methacrylate	10.438	69	112155	55.679	ug/l		99
57) 1,3-Dichloropropane	10.719	76	139257	54.438	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	221395	228.990	ug/l		100
59) 2-Hexanone	10.761	43	246032	264.133	ug/l		99
60) Dibromochloromethane	10.914	129	107866	54.329	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74447	53.942	ug/l		98
64) Tetrachloroethene	10.646	164	102887	52.940	ug/l		95
65) Chlorobenzene	11.444	112	314040	54.410	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	110179	54.517	ug/l		99
67) Ethyl Benzene	11.517	91	572425	55.992	ug/l		99
68) m/p-Xylenes	11.627	106	427892	111.274	ug/l		99
69) o-Xylene	11.956	106	202123	56.108	ug/l		99
70) Styrene	11.969	104	337489	56.307	ug/l		99
71) Bromoform	12.133	173	61959	53.590	ug/l	#	100
73) Isopropylbenzene	12.255	105	540978	56.974	ug/l		99
74) N-amyl acetate	12.072	43	133968	55.509	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	89240	53.254	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	118541	93.768	ug/l	#	100
77) Bromobenzene	12.536	156	122121	55.296	ug/l		98
78) n-propylbenzene	12.597	91	654255	56.783	ug/l		100
79) 2-Chlorotoluene	12.682	91	369065	55.813	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	440379	56.549	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	30268	53.216	ug/l		96
82) 4-Chlorotoluene	12.779	91	375340	54.757	ug/l		100
83) tert-Butylbenzene	12.999	119	393228	55.900	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	438538	56.621	ug/l		100
85) sec-Butylbenzene	13.176	105	571874	55.655	ug/l		99
86) p-Isopropyltoluene	13.292	119	484140	56.427	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	239404	54.800	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	233477	54.098	ug/l		99
89) n-Butylbenzene	13.621	91	459065	56.856	ug/l		100
90) Hexachloroethane	13.883	117	98634	55.035	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	208776	54.545	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13821	52.137	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	132464	56.703	ug/l		99
94) Hexachlorobutadiene	15.029	225	78745	53.541	ug/l		99
95) Naphthalene	15.151	128	222839	57.589	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	112466	56.980	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

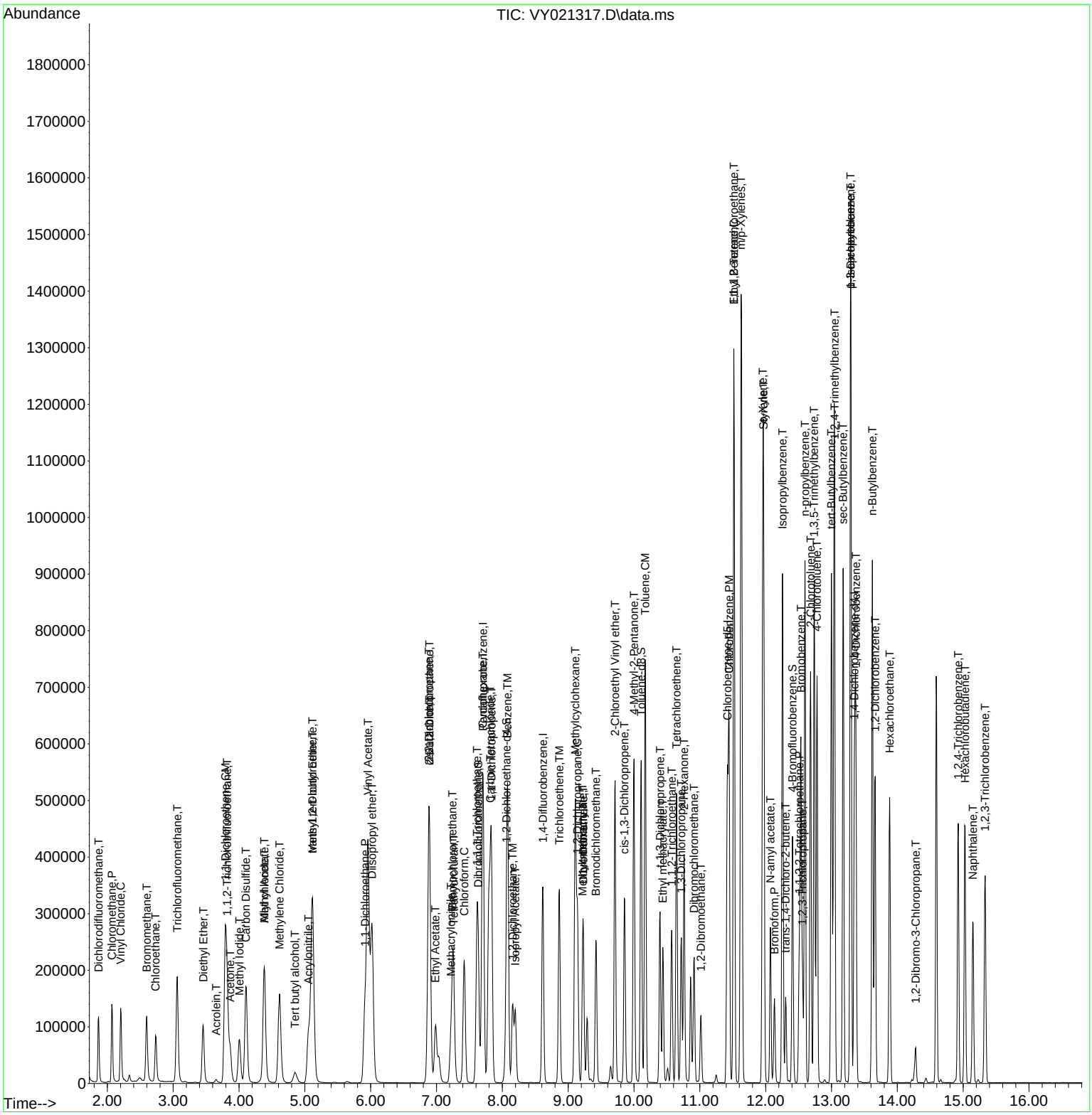
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

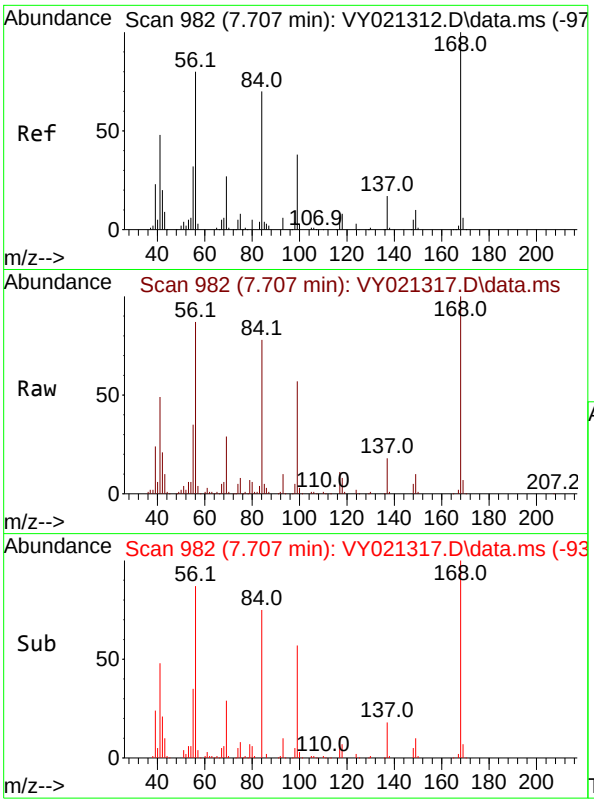
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



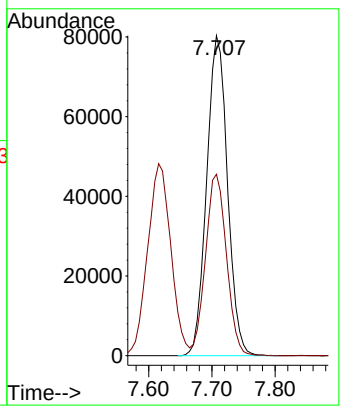


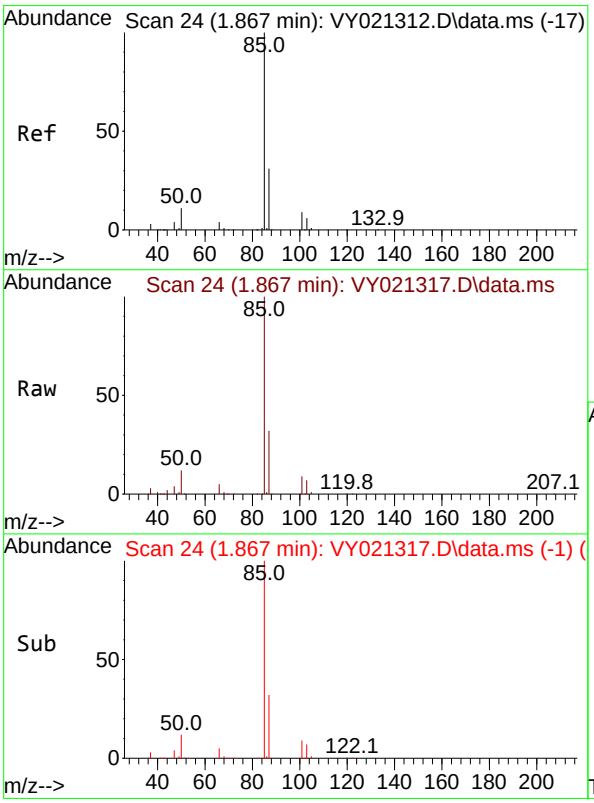
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:168 Resp: 183832

Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7

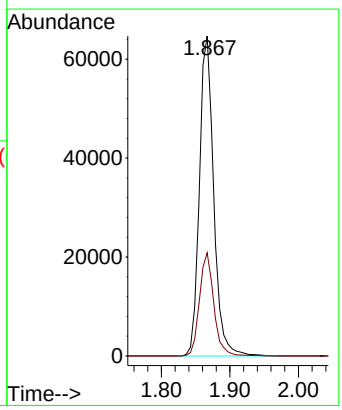


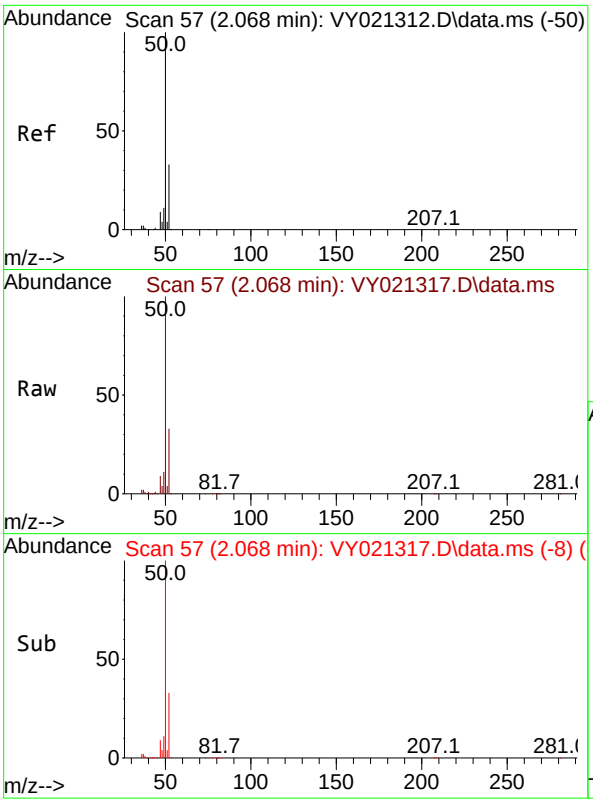


#2
Dichlorodifluoromethane
Concen: 53.871 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 85 Resp: 93894

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4



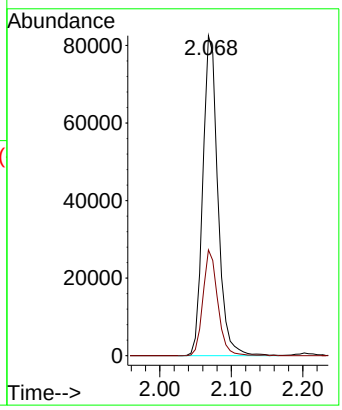


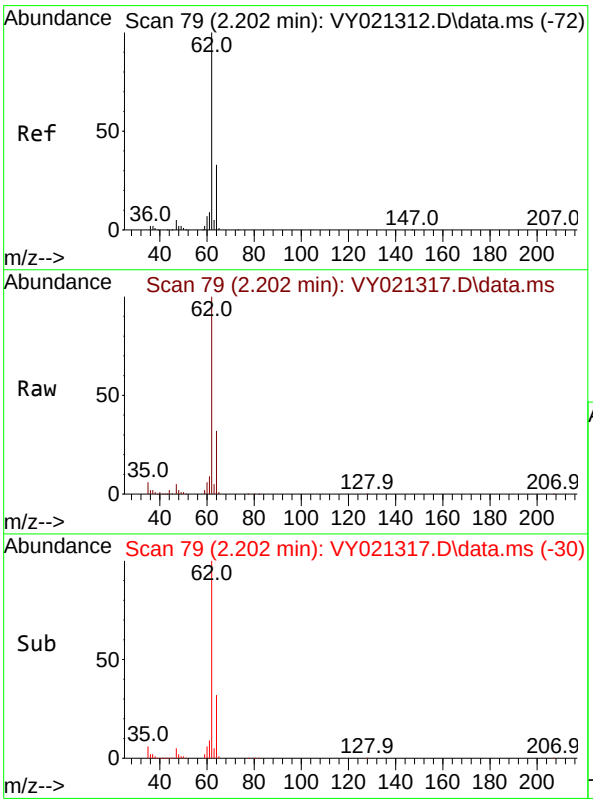
#3
Chloromethane
Concen: 53.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 50 Resp: 120479

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0

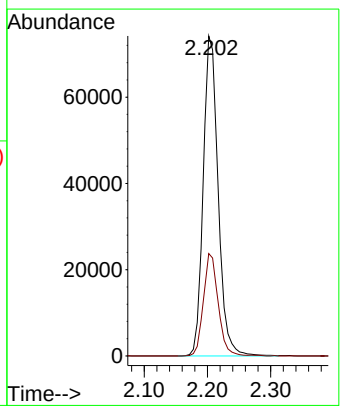


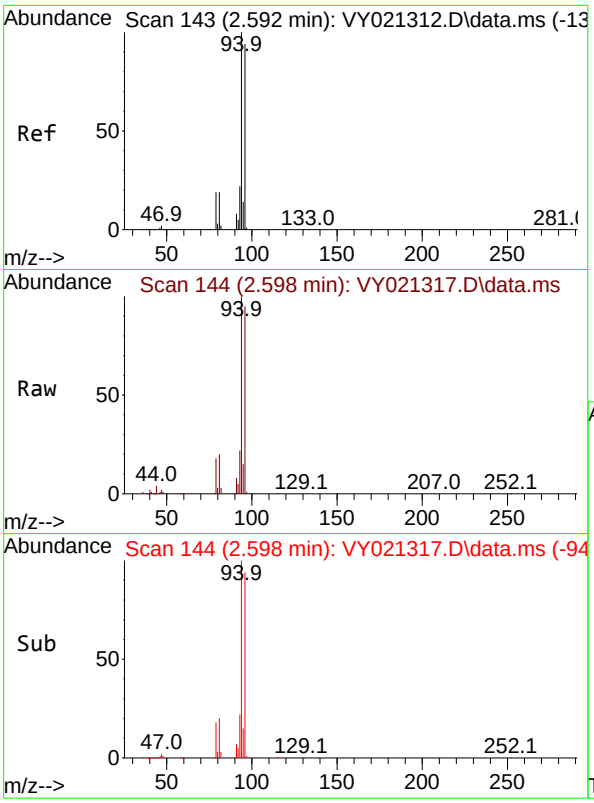


#4
Vinyl Chloride
Concen: 55.184 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 121922

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.3	39.5



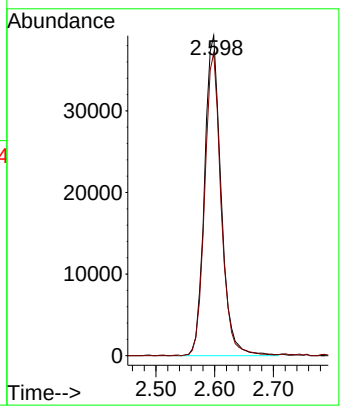


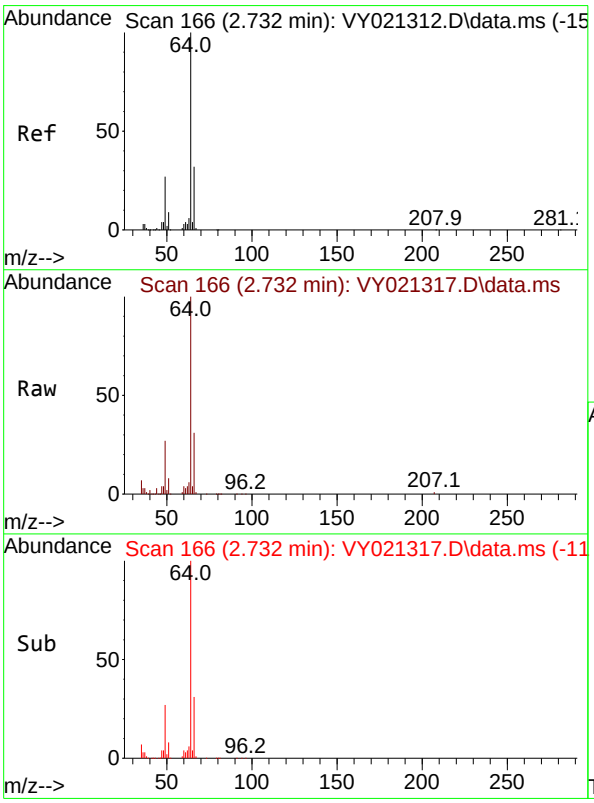
#5
Bromomethane
Concen: 52.483 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 94 Resp: 77054

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8

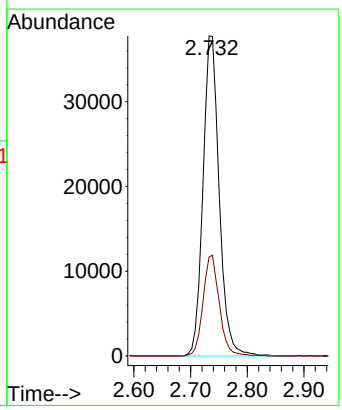


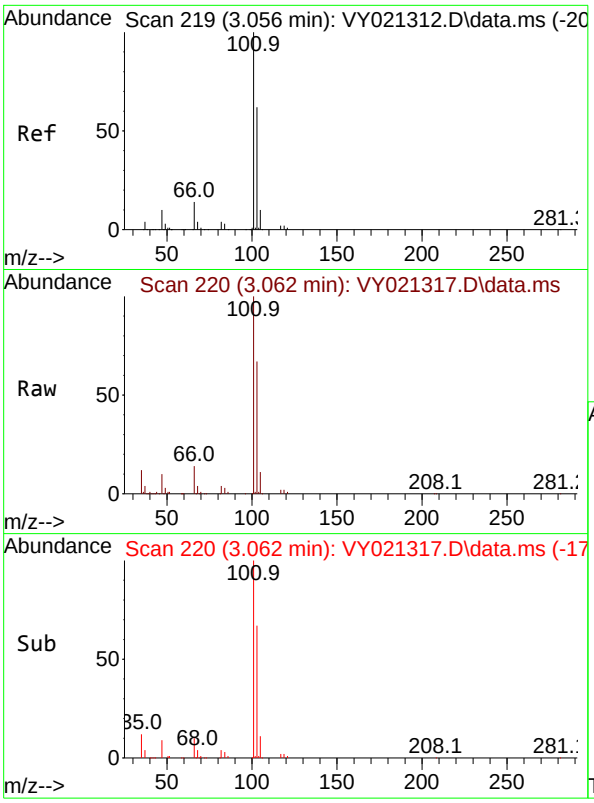


#6
Chloroethane
Concen: 54.804 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 64 Resp: 75086

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.4	38.0



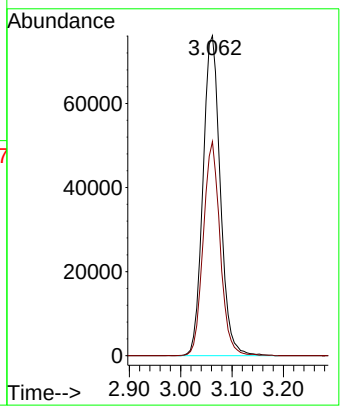


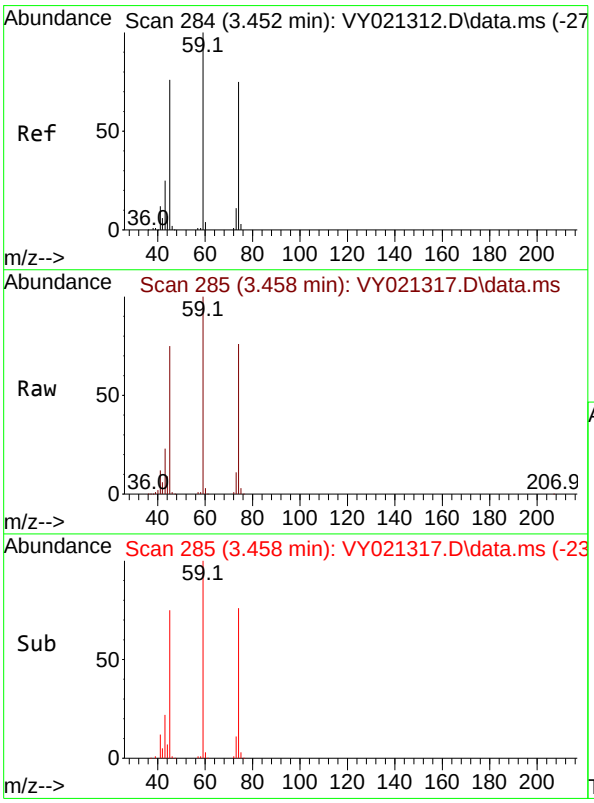
#7
Trichlorofluoromethane
Concen: 53.384 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:101 Resp: 178123

Ion	Ratio	Lower	Upper
101	100		
103	66.9	49.7	74.5

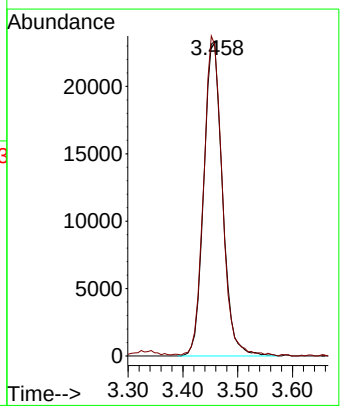


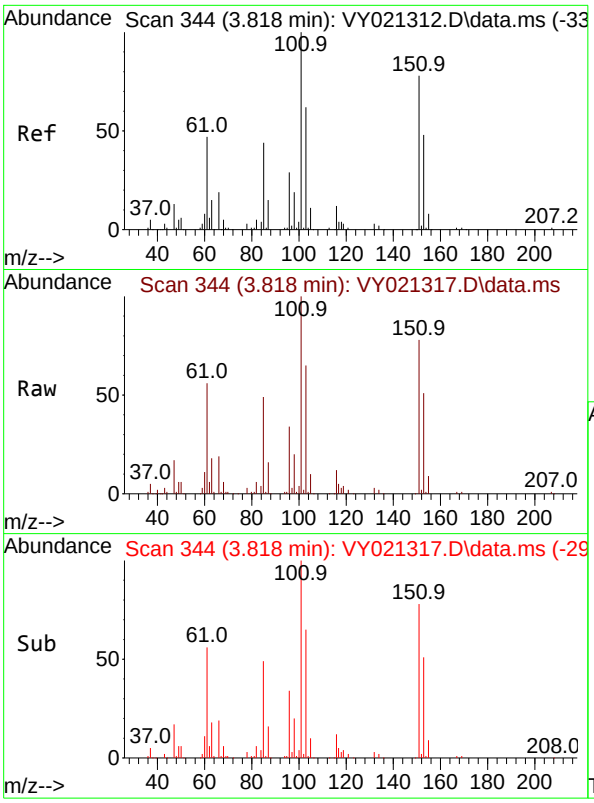


#8
Diethyl Ether
Concen: 54.849 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 74 Resp: 54929

Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.3	150.9



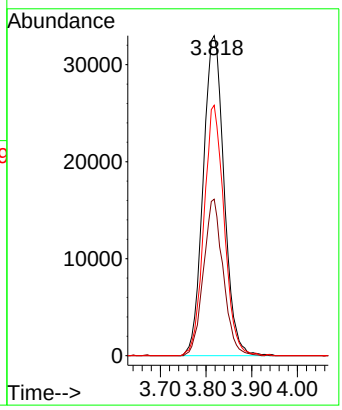


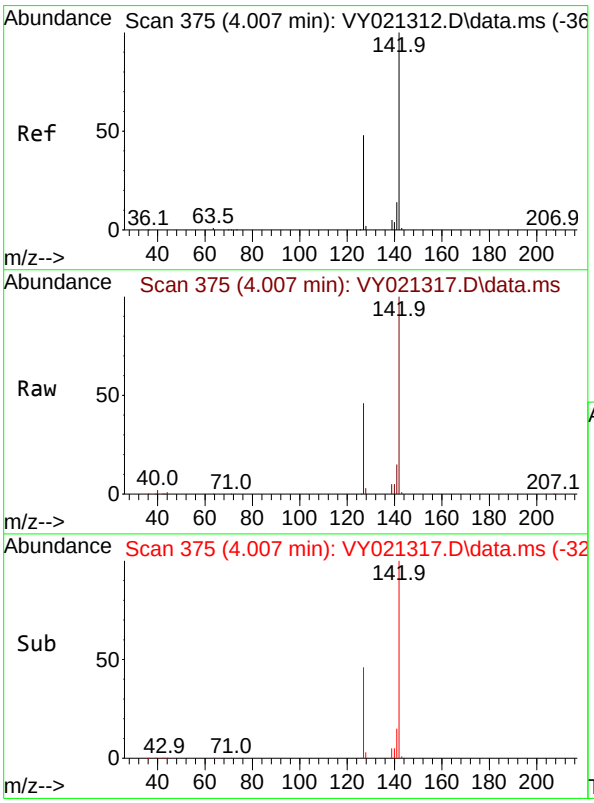
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.188 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:101 Resp: 104678

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	75.8	62.6	94.0

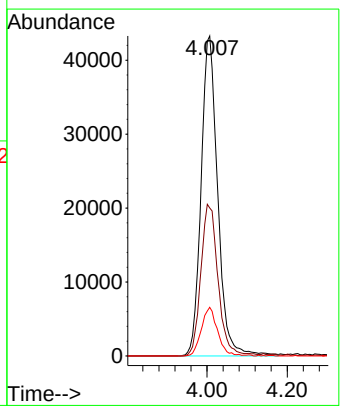


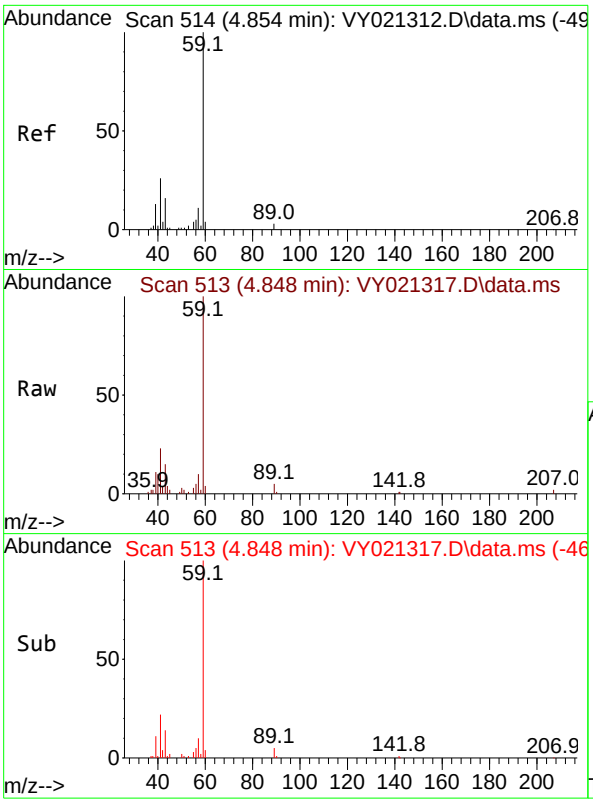


#10
Methyl Iodide
Concen: 61.361 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:142 Resp: 124707

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.8	11.4	17.2



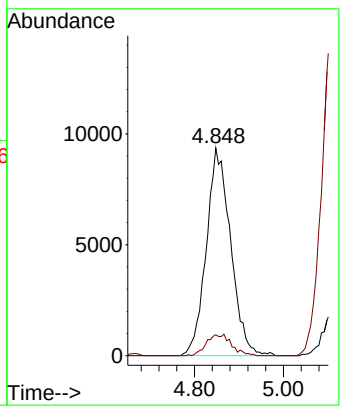


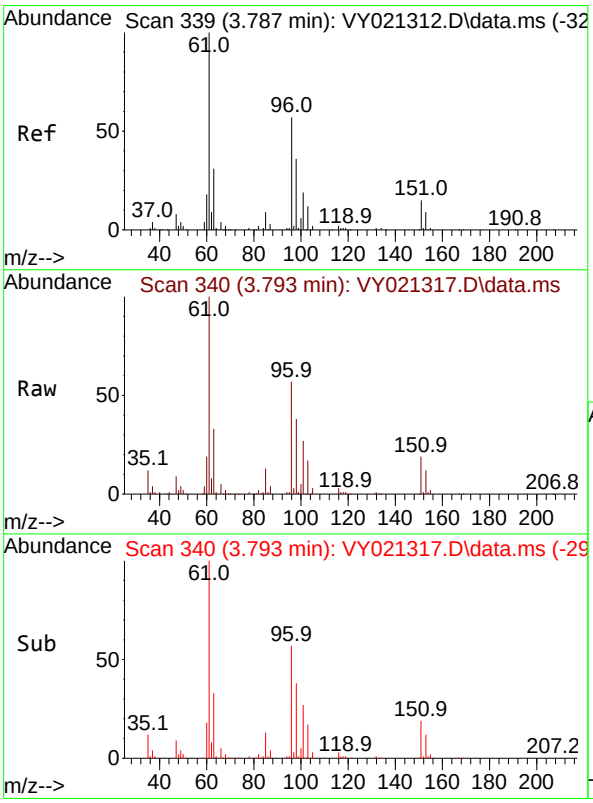
#11
Tert butyl alcohol
Concen: 221.762 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 59 Resp: 35572

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

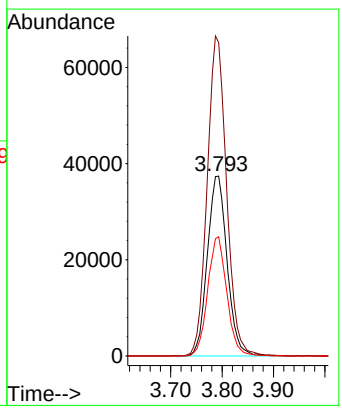


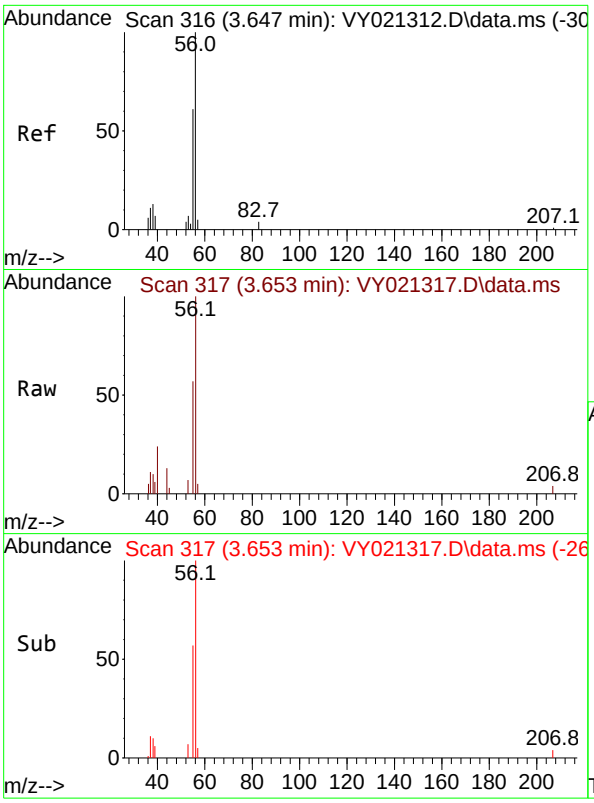


#12
1,1-Dichloroethene
Concen: 54.104 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 100075

Ion	Ratio	Lower	Upper
96	100		
61	174.2	139.7	209.5
98	66.3	49.7	74.5



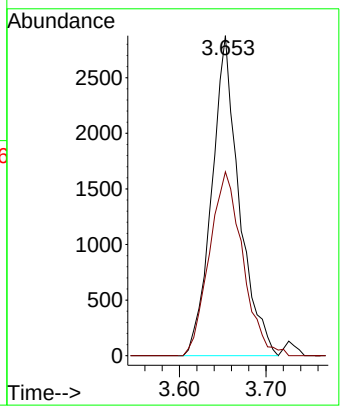


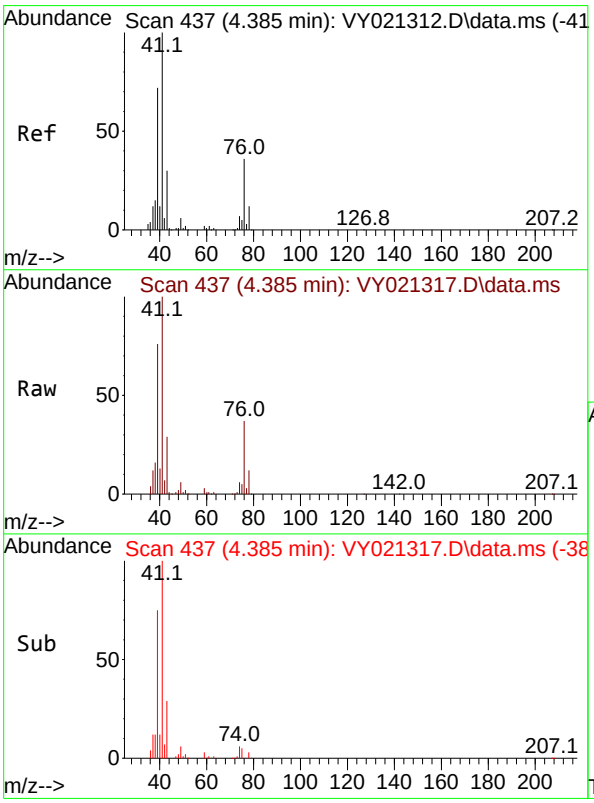
#13
Acrolein
Concen: 51.554 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 56 Resp: 6337

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6

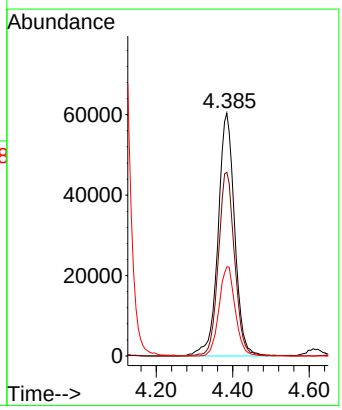


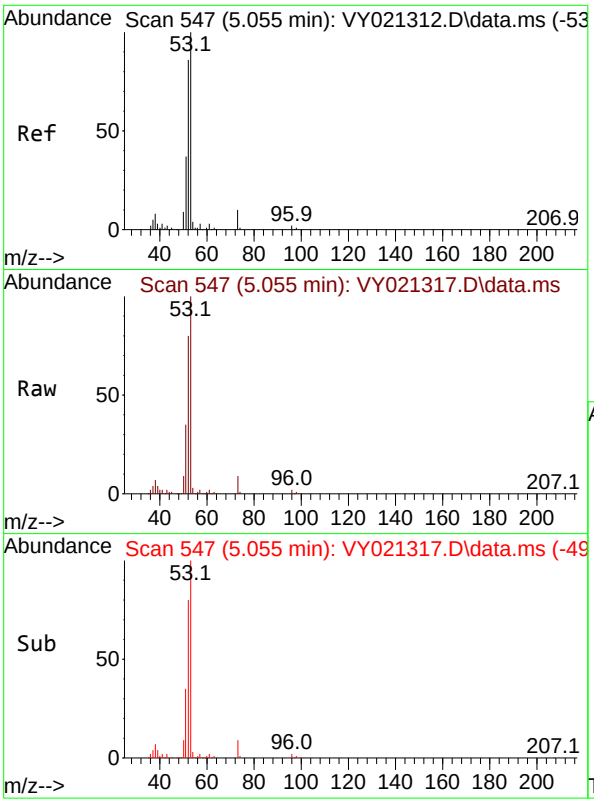


#14
Allyl chloride
Concen: 55.361 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 181554

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	35.8	29.0	43.6



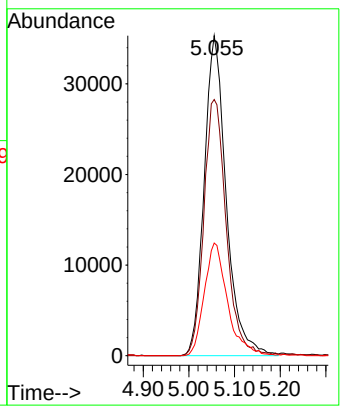


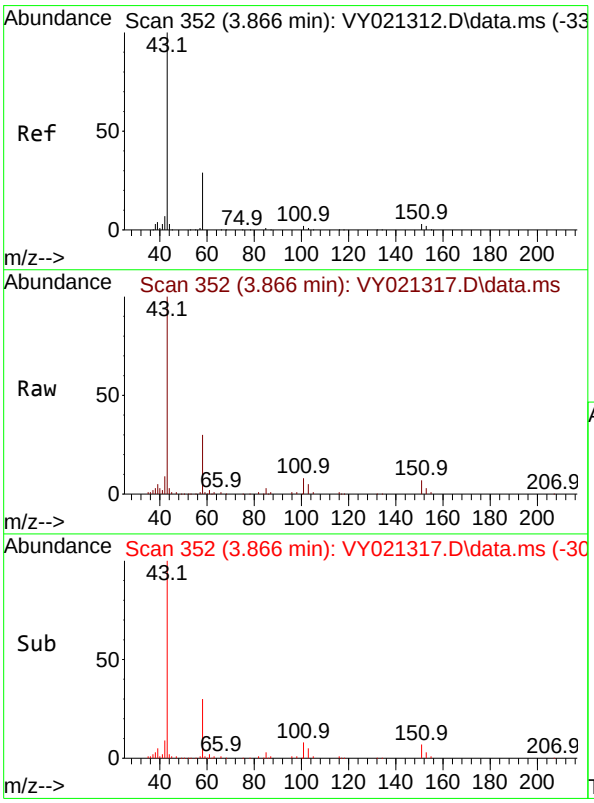
#15
Acrylonitrile
Concen: 267.274 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 53 Resp: 118343

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.5	98.3
51	37.1	30.6	46.0

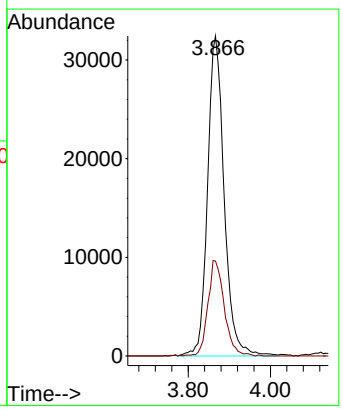


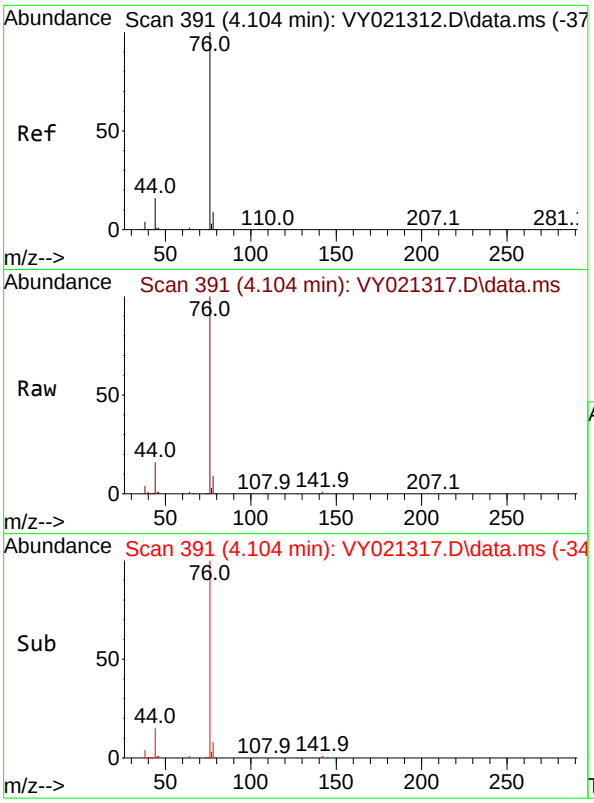


#16
Acetone
Concen: 227.197 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 90886

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.5	35.3



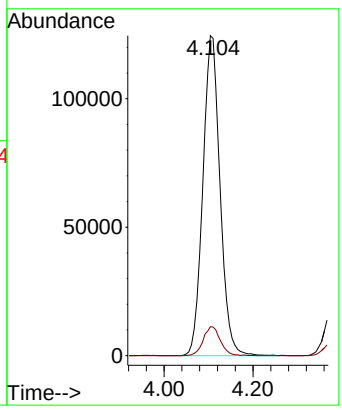


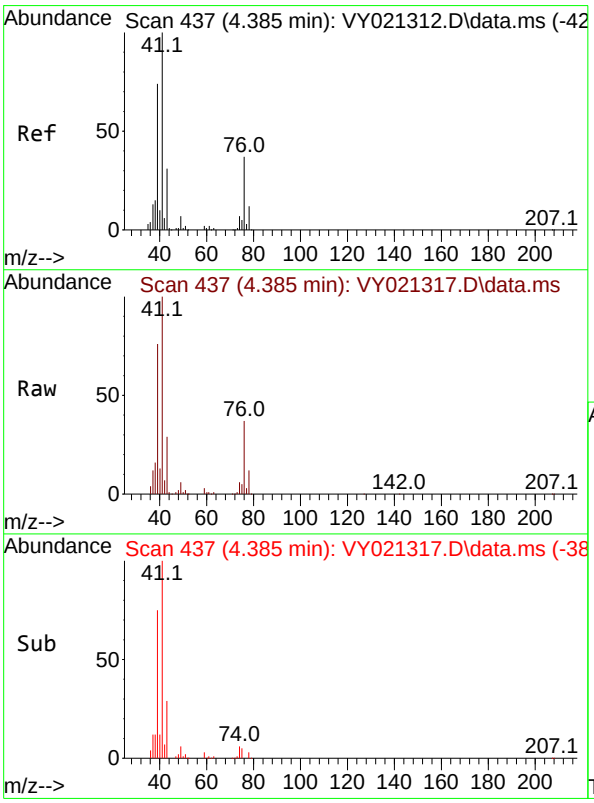
#17
Carbon Disulfide
Concen: 54.581 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 76 Resp: 335241

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

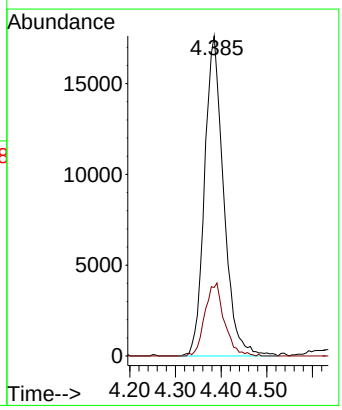


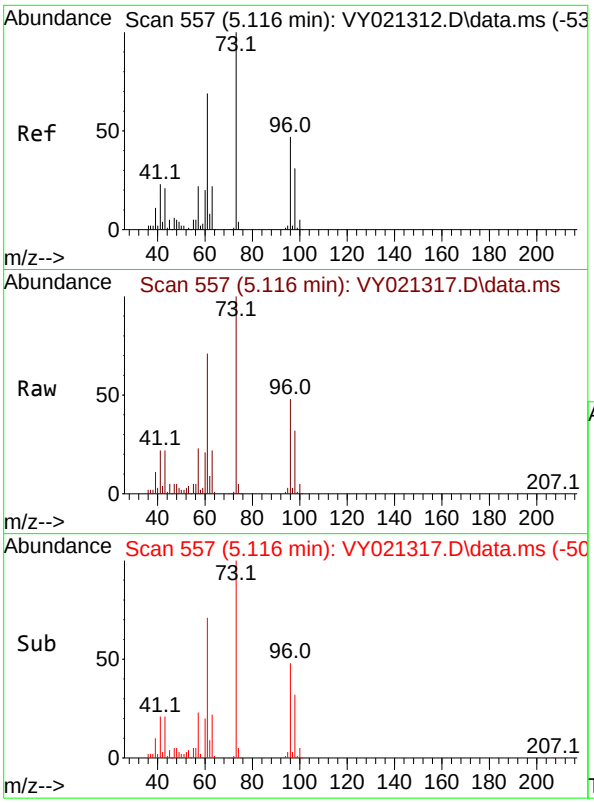


#18
Methyl Acetate
Concen: 52.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 51200

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5



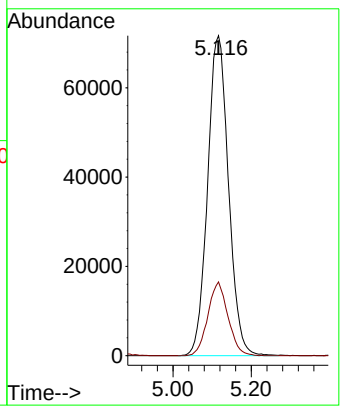


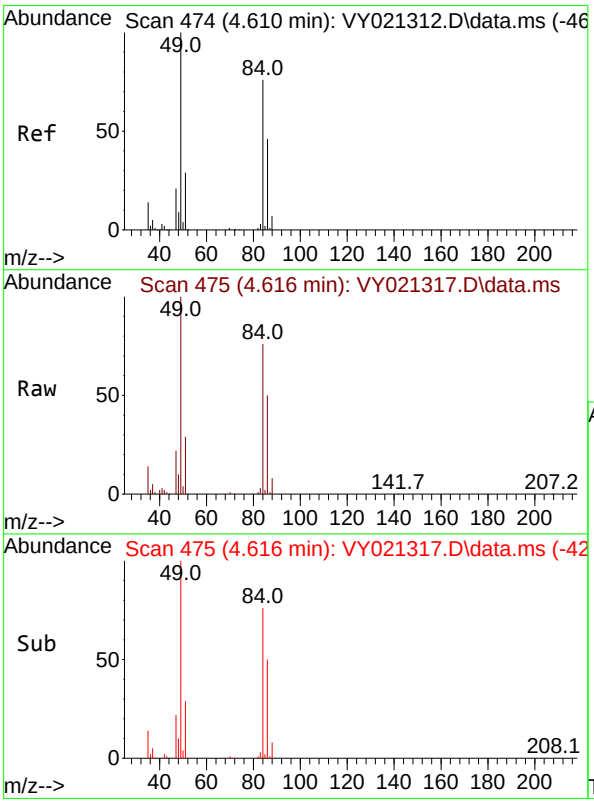
#19
Methyl tert-butyl Ether
Concen: 54.311 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 73 Resp: 265419

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0

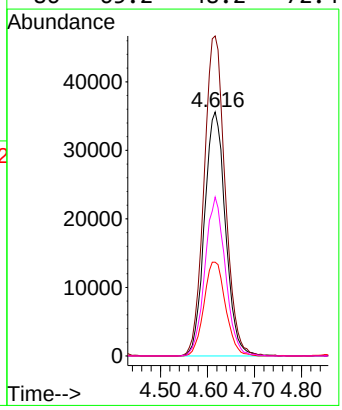


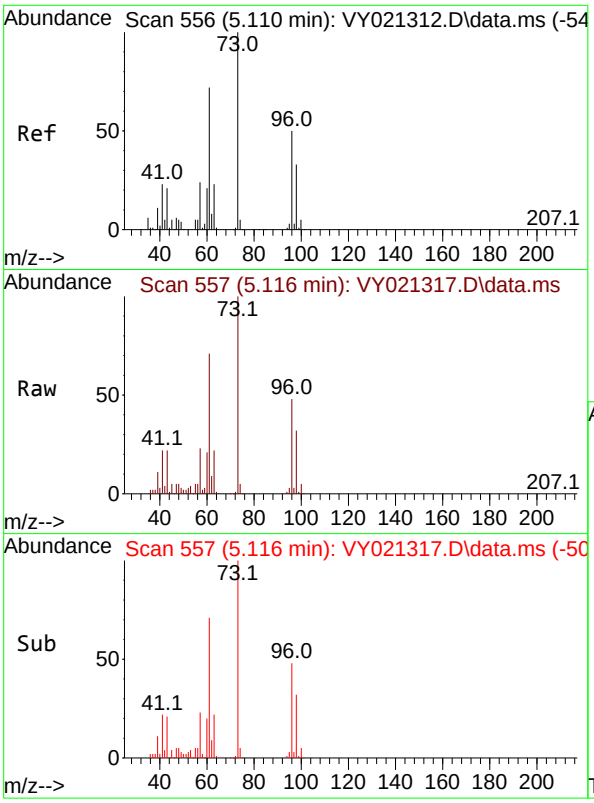


#20
Methylene Chloride
Concen: 51.062 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 84 Resp: 110456

Ion	Ratio	Lower	Upper
84	100		
49	131.2	105.1	157.7
51	38.4	31.0	46.4
86	65.2	48.2	72.4



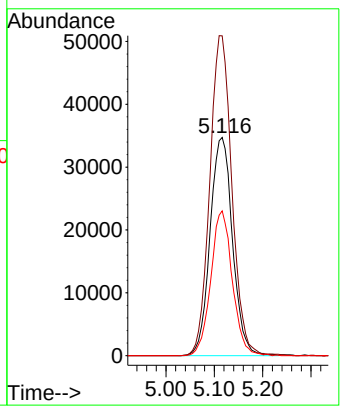


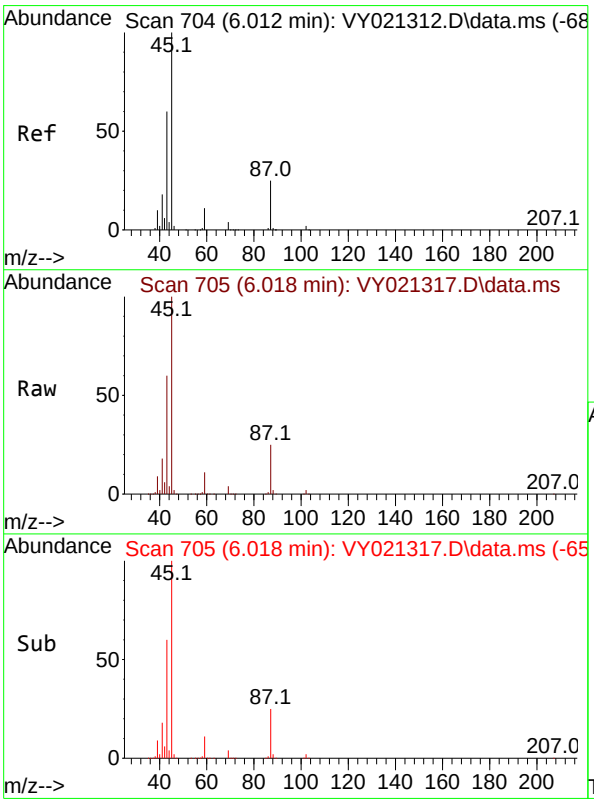
#21
trans-1,2-Dichloroethene
Concen: 55.044 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 96 Resp: 112082

Ion	Ratio	Lower	Upper
96	100		
61	146.6	116.3	174.5
98	66.4	52.6	78.8

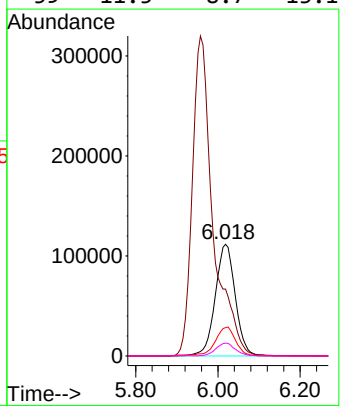


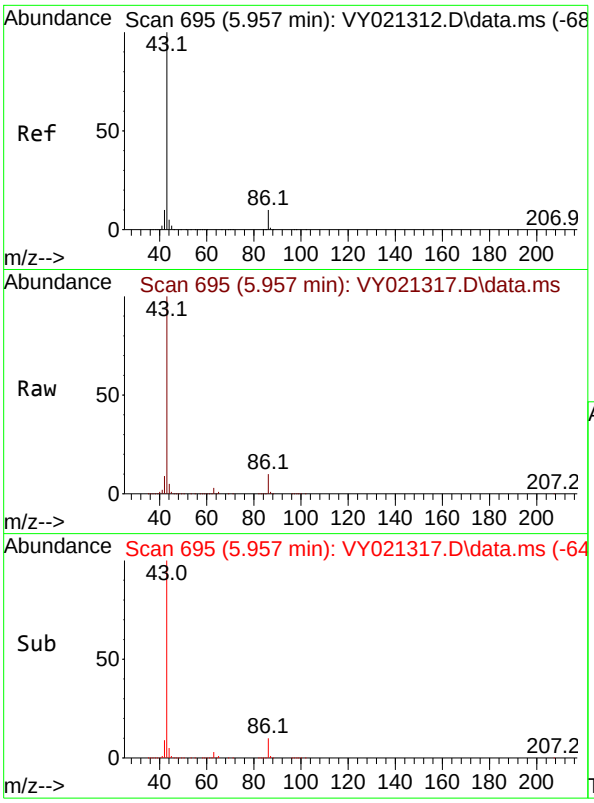


#22
Diisopropyl ether
Concen: 55.595 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 45 Resp: 377281

Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.2	72.4
87	25.4	20.3	30.5
59	11.5	8.7	13.1



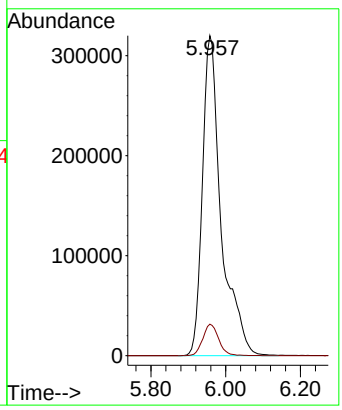


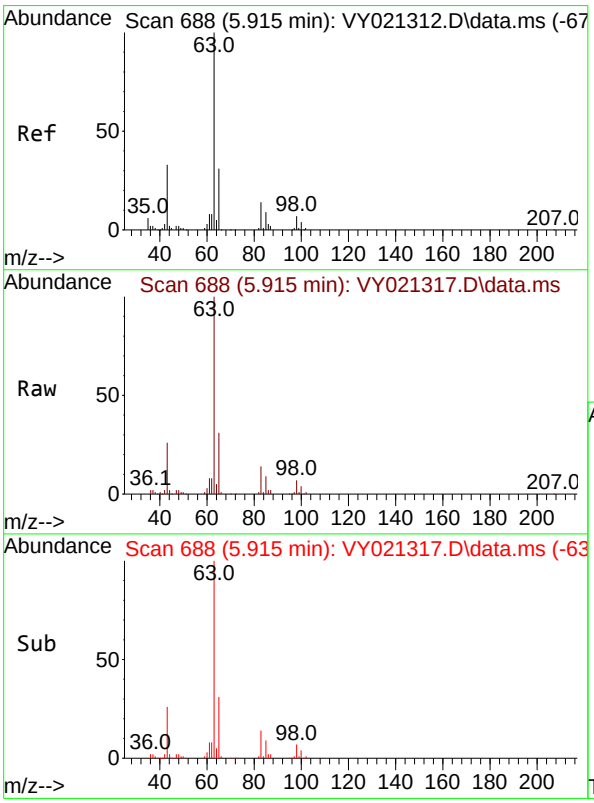
#23
Vinyl Acetate
Concen: 275.197 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 1116005

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0

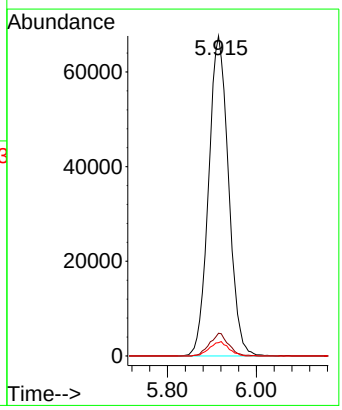


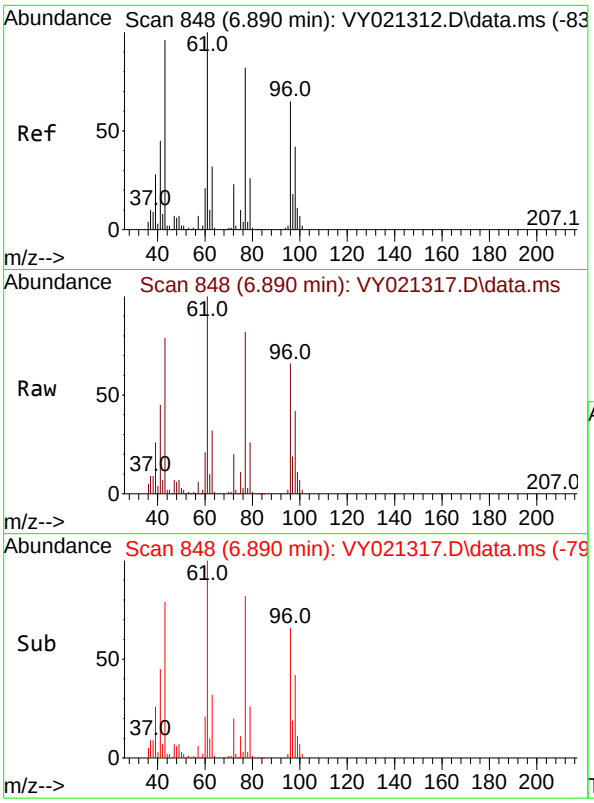


#24
1,1-Dichloroethane
Concen: 55.004 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 210383

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.2	2.1	6.5



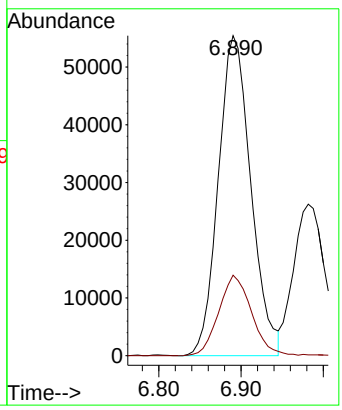


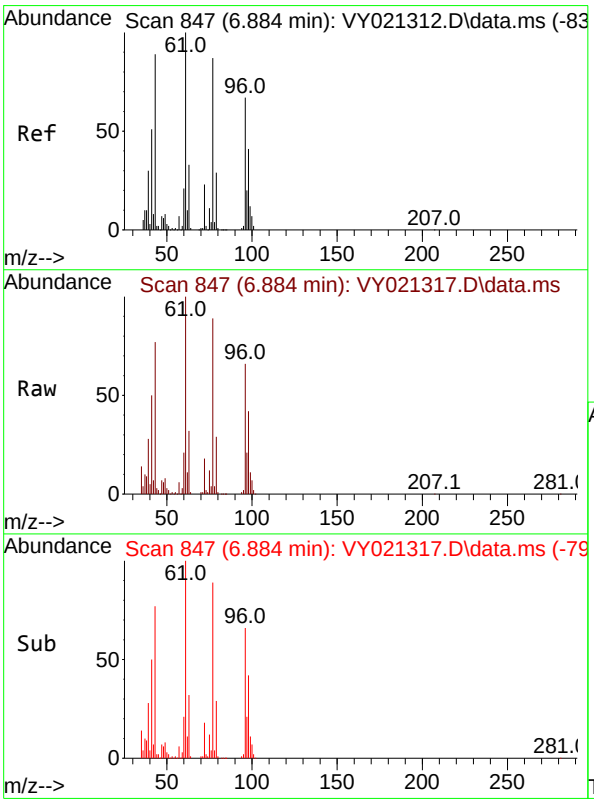
#25
2-Butanone
Concen: 253.246 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 152895

Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.0	28.6

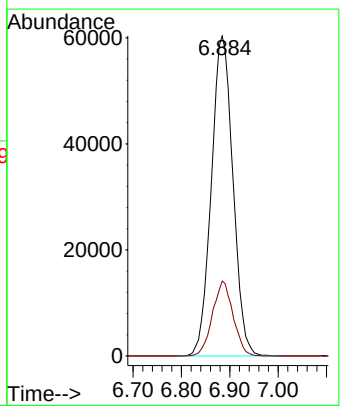


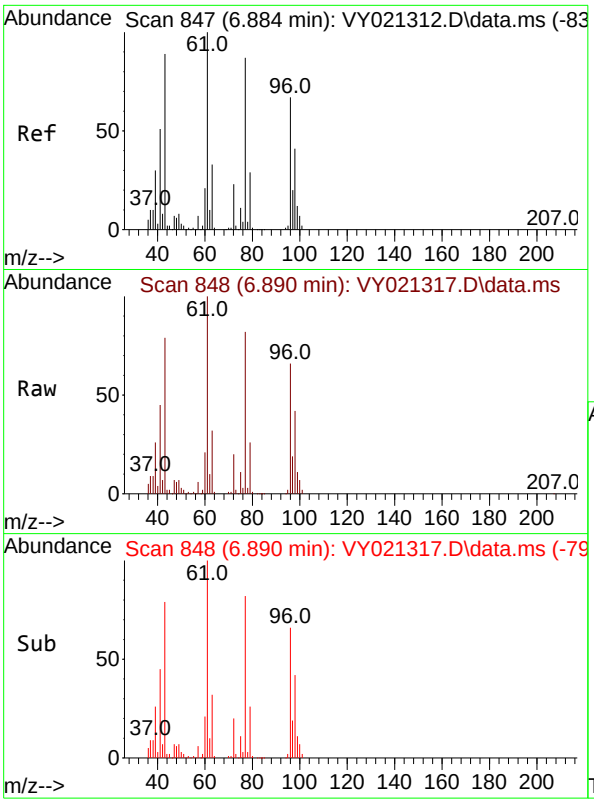


#26
2,2-Dichloropropane
Concen: 53.893 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 77 Resp: 187045

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



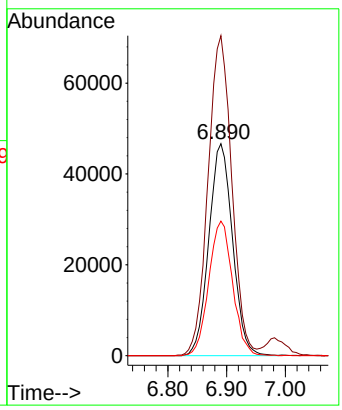


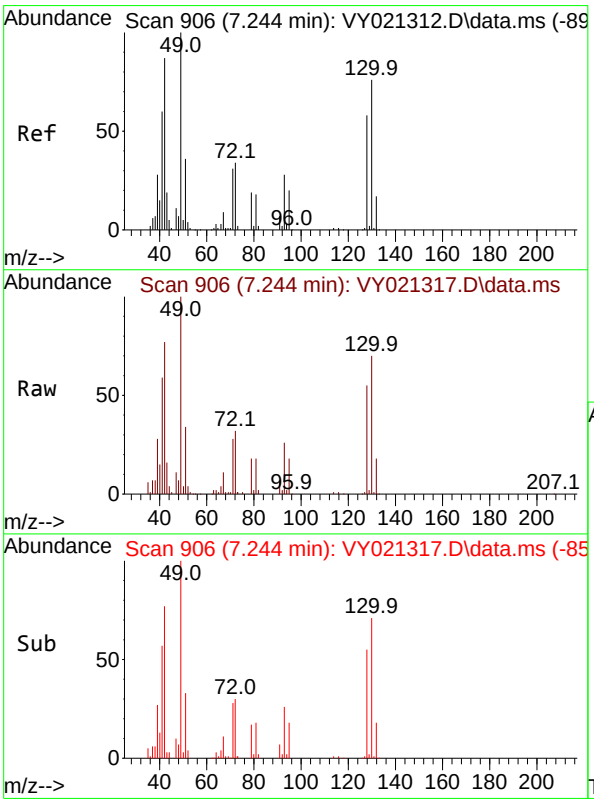
#27
cis-1,2-Dichloroethene
Concen: 56.305 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 96 Resp: 130921

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	308.0
98	63.7	0.0	129.6

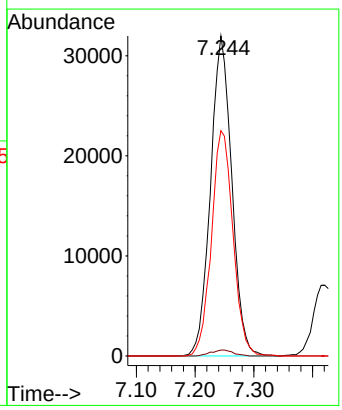


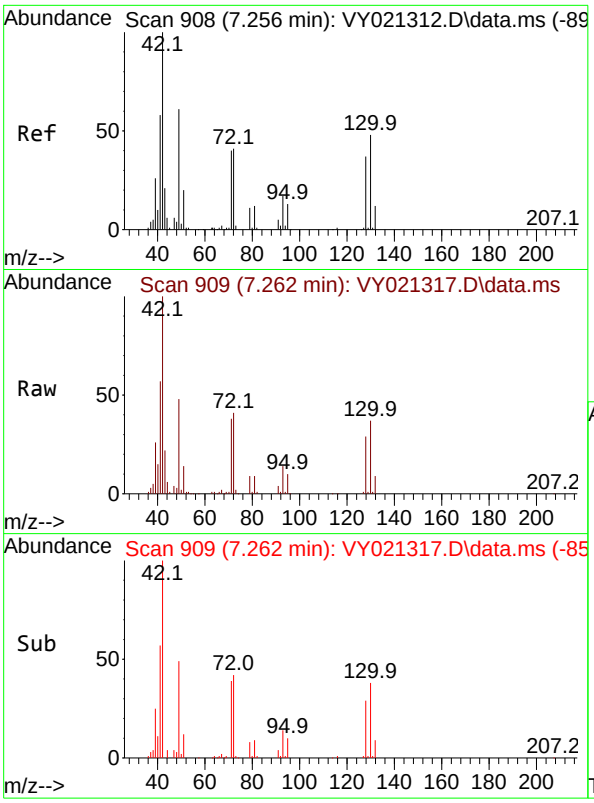


#28
Bromochloromethane
Concen: 47.452 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 49 Resp: 80309

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.5	57.8	86.6



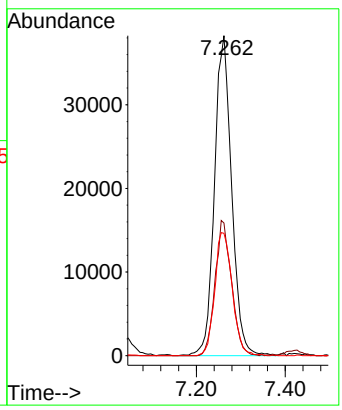


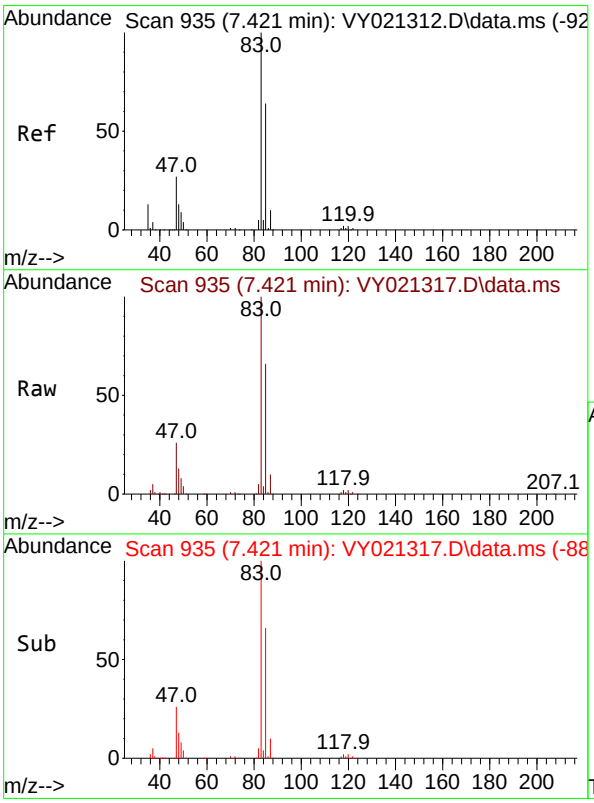
#29
Tetrahydrofuran
Concen: 260.172 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 42 Resp: 102673

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	39.2	31.4	47.0

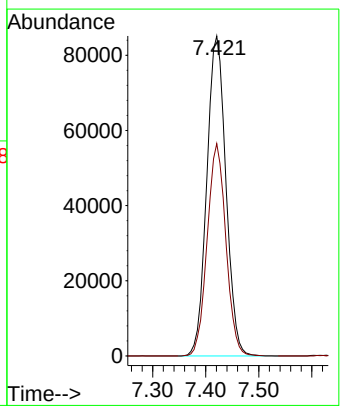


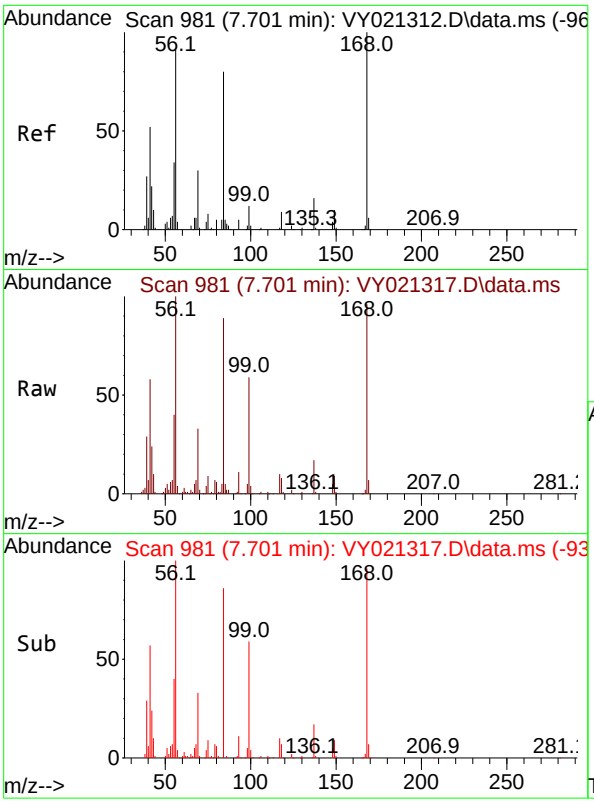


#30
Chloroform
Concen: 55.023 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 213255

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4



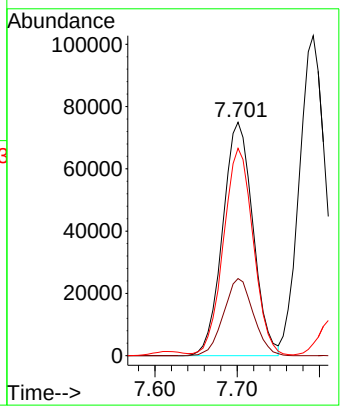


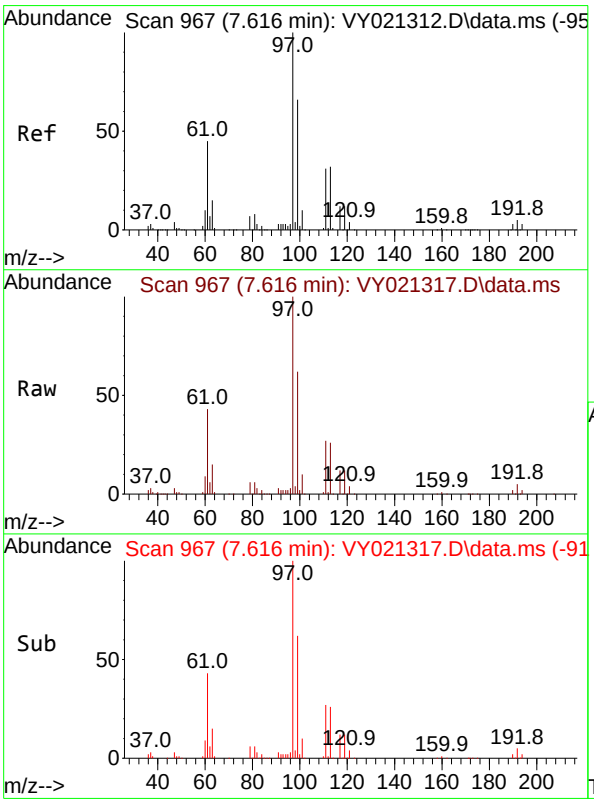
#31
Cyclohexane
Concen: 52.180 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 56 Resp: 191850

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	87.3	70.2	105.4

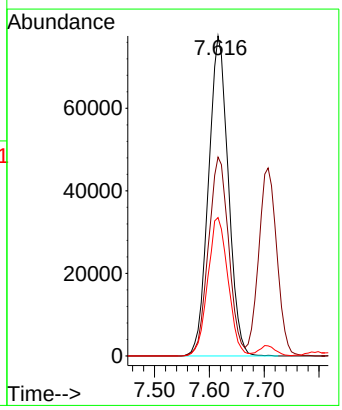


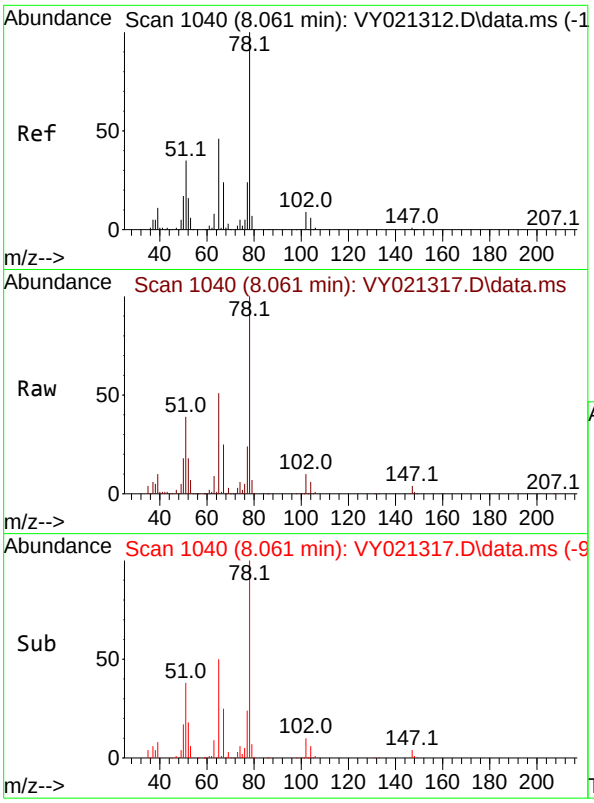


#32
1,1,1-Trichloroethane
Concen: 55.084 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 194325

Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	44.3	36.2	54.2



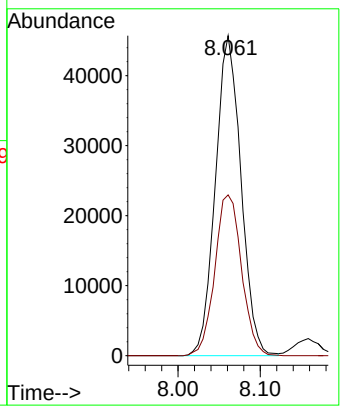


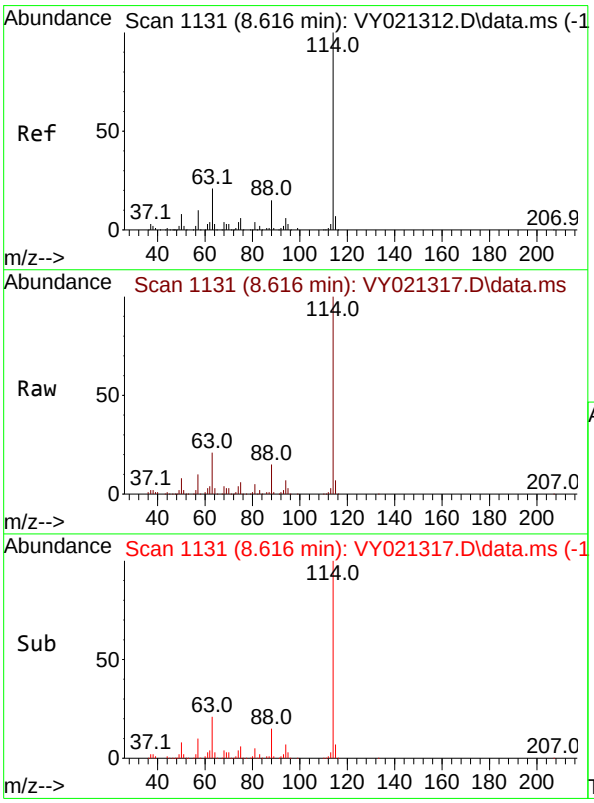
#33
1,2-Dichloroethane-d4
Concen: 47.453 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 65 Resp: 98960

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.6

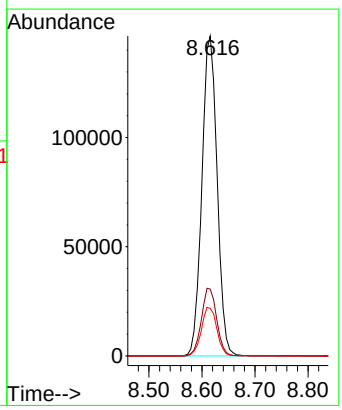


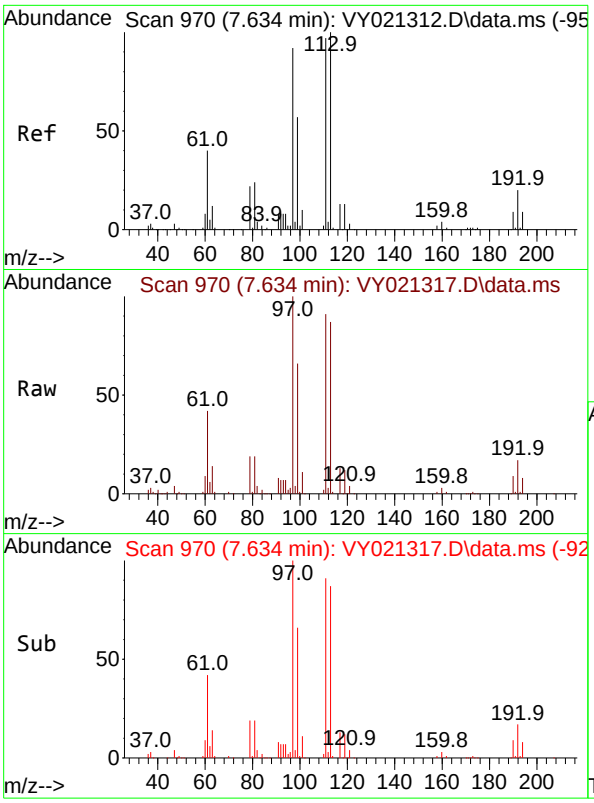


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:114 Resp: 292214

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.2
88	14.9	0.0	29.8



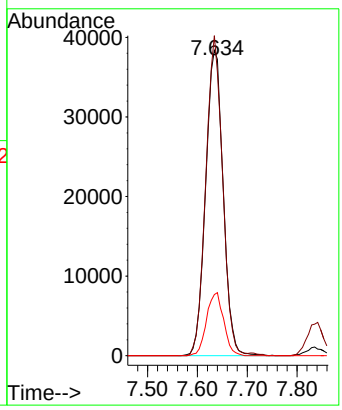


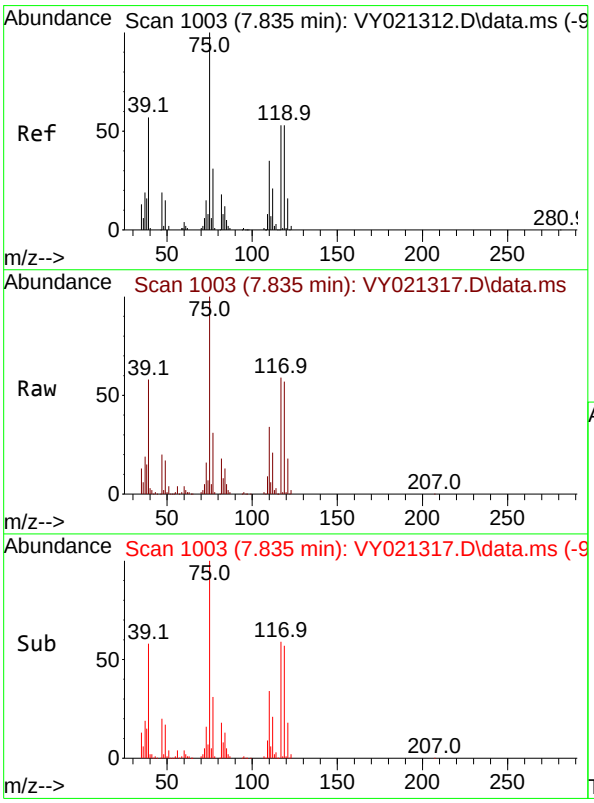
#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:113 Resp: 93944

Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.0	121.6
192	20.1	15.8	23.8

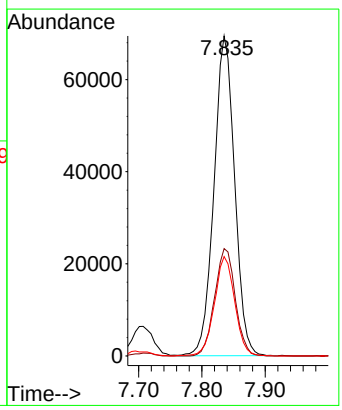


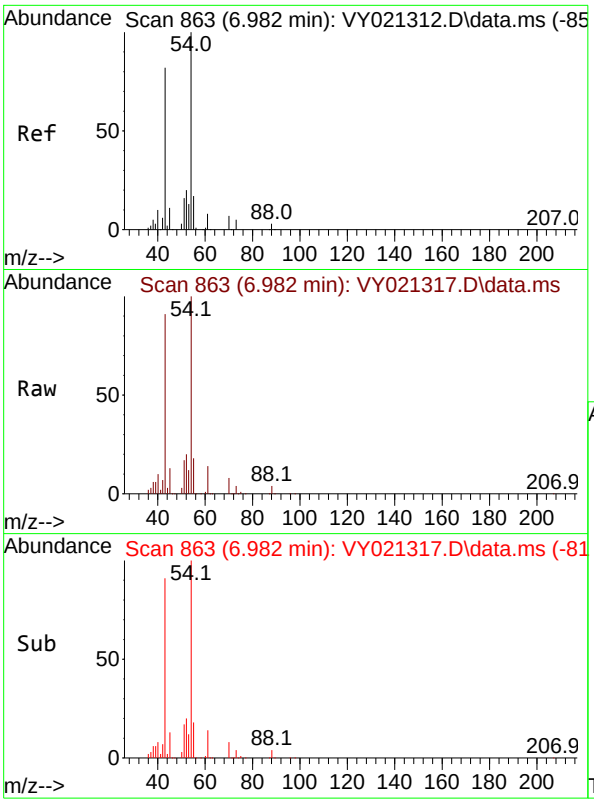


#36
1,1-Dichloropropene
Concen: 54.593 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 157102

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	30.7	24.6	36.8



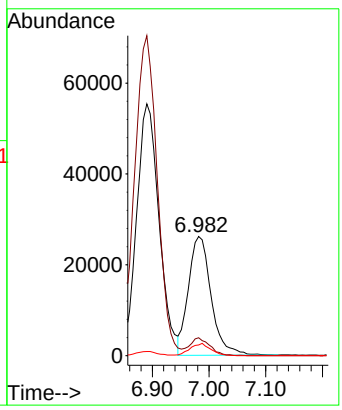


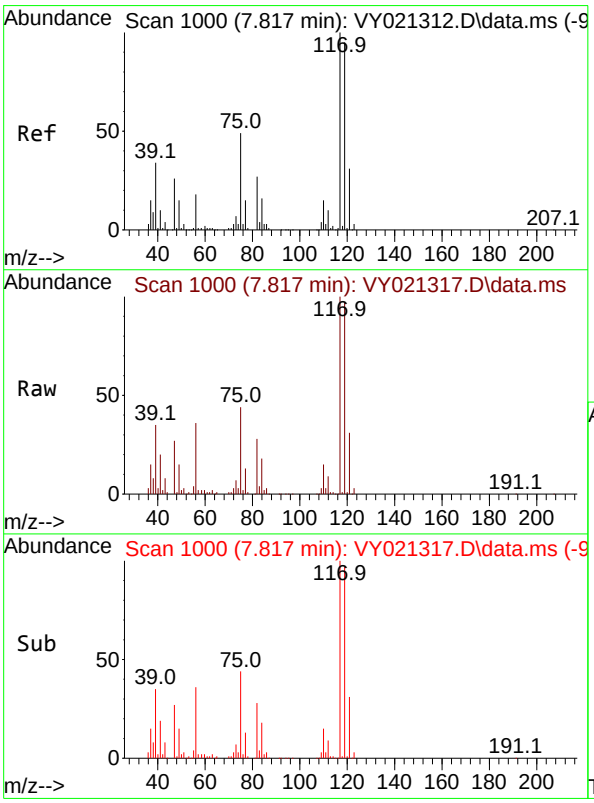
#37
Ethyl Acetate
Concen: 50.864 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 72810

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.4	7.5	11.3

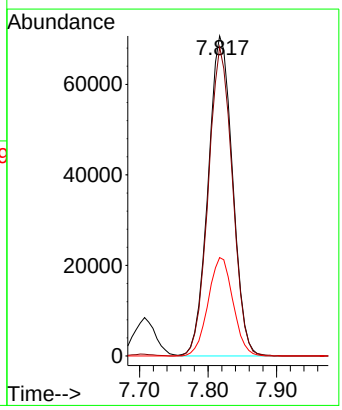


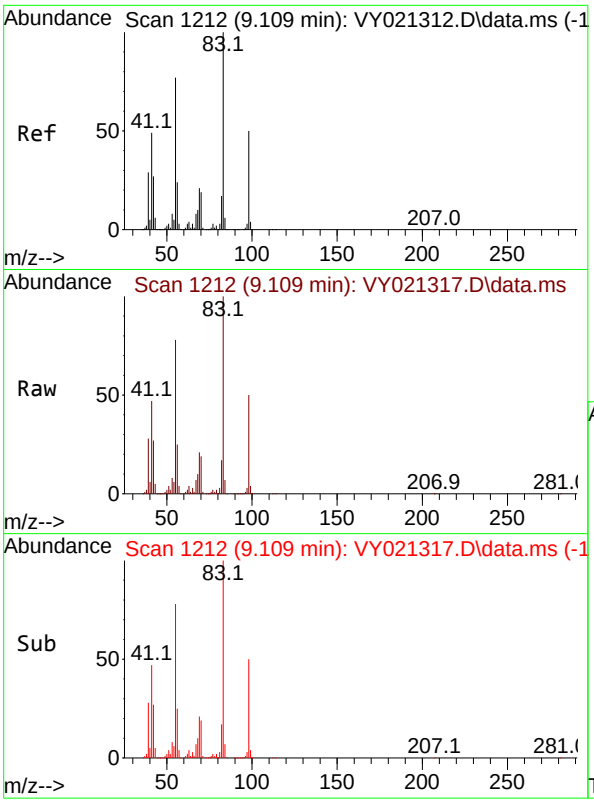


#38
Carbon Tetrachloride
Concen: 54.157 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 175208

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.0	114.0
121	30.8	24.9	37.3



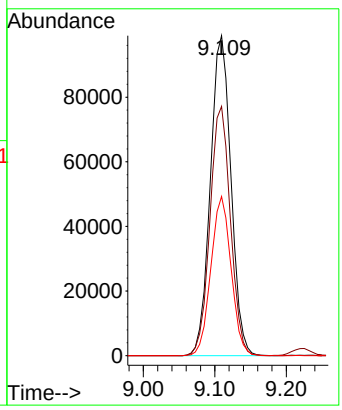


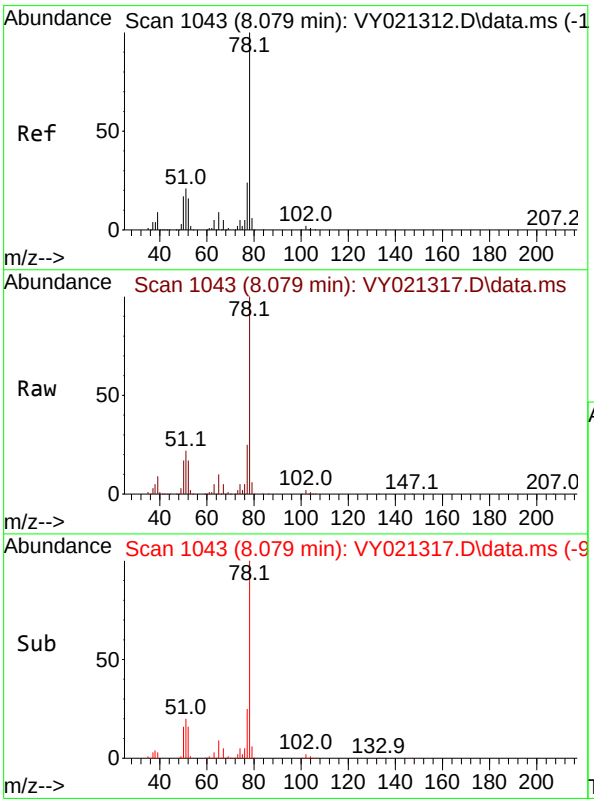
#39
Methylcyclohexane
Concen: 54.397 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 83 Resp: 197993

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.7	39.9	59.9

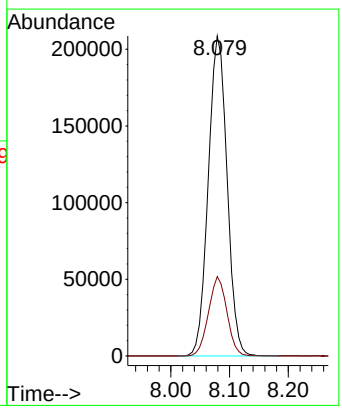


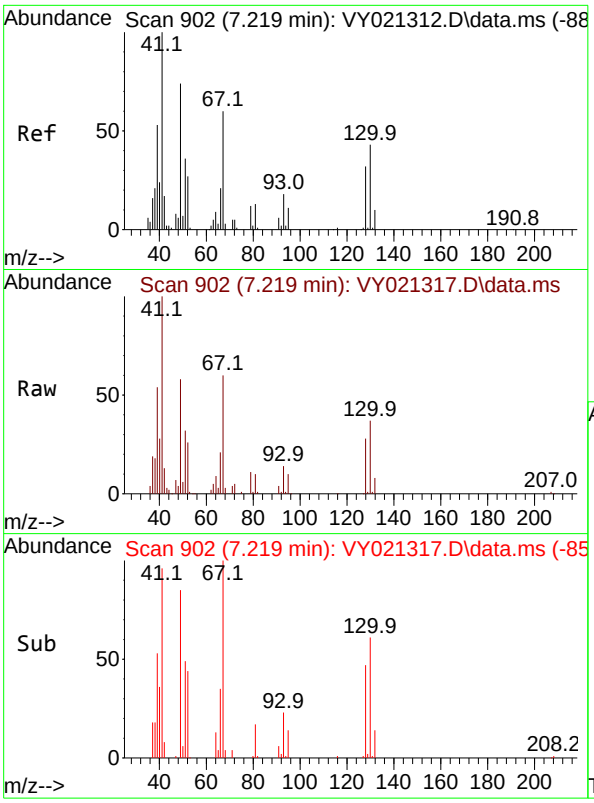


#40
Benzene
Concen: 54.583 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 78 Resp: 464323

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8



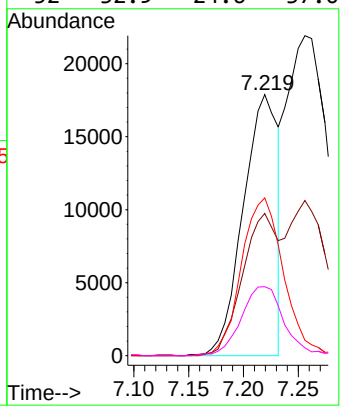


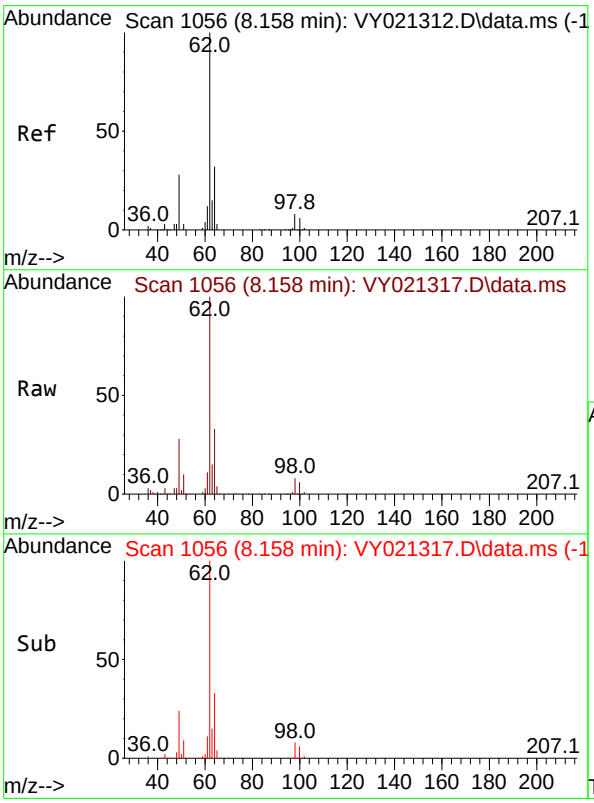
#41
Methacrylonitrile
Concen: 49.244 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 41 Resp: 39412

Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.3	63.5
67	73.3	54.8	82.2
52	32.9	24.6	37.0

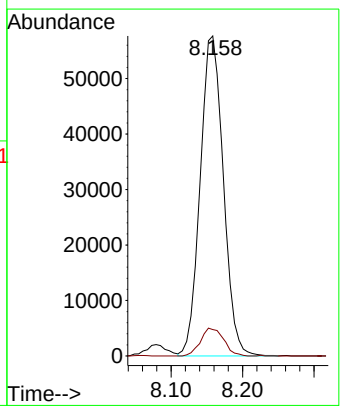


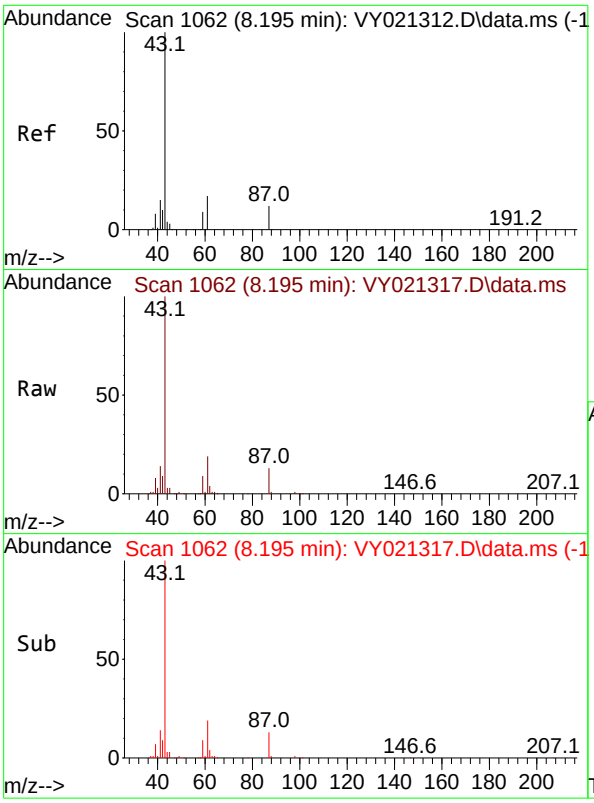


#42
1,2-Dichloroethane
Concen: 53.746 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 129718

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6



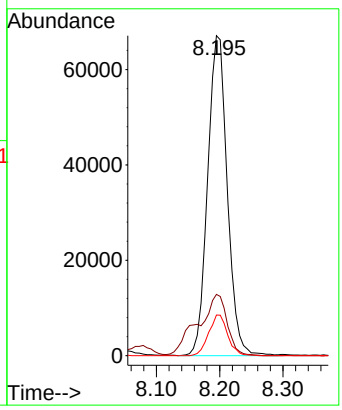


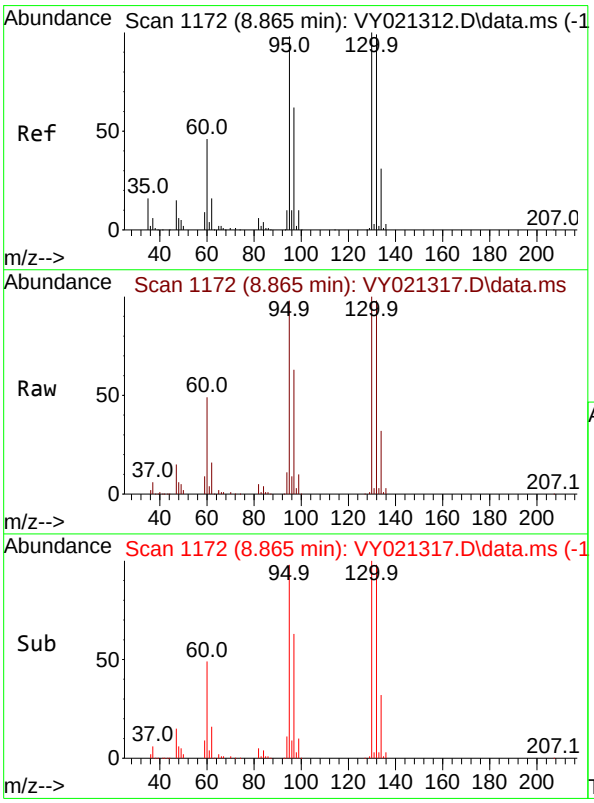
#43
Isopropyl Acetate
Concen: 52.380 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 145128

Ion	Ratio	Lower	Upper
43	100		
61	28.5	15.0	22.6#
87	12.3	10.0	15.0

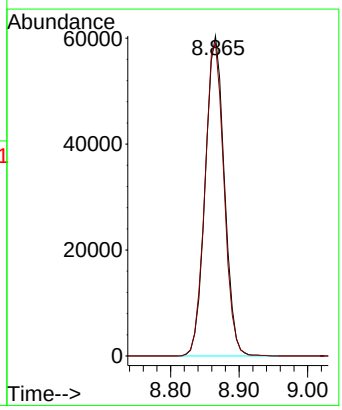


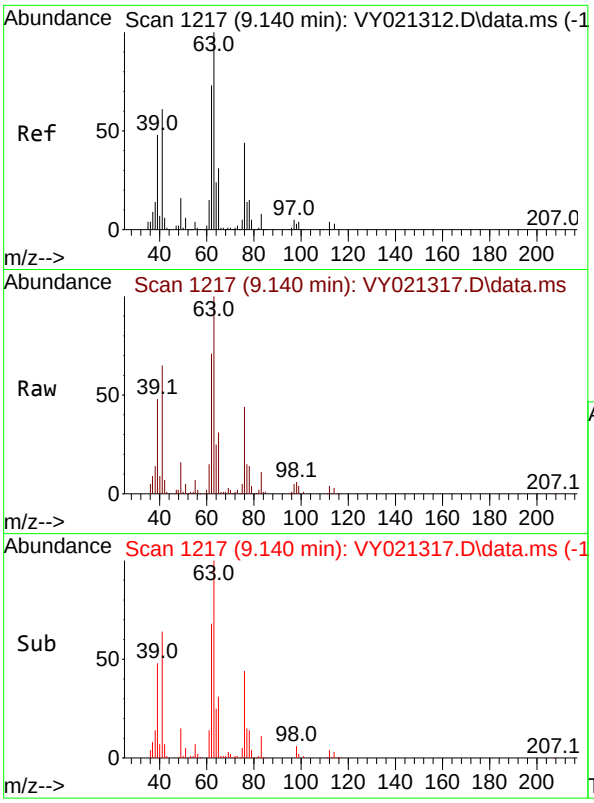


#44
Trichloroethene
Concen: 54.930 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:130 Resp: 116988

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	196.0



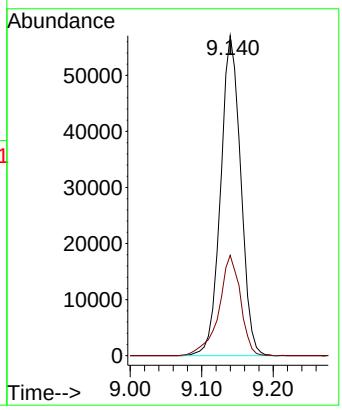


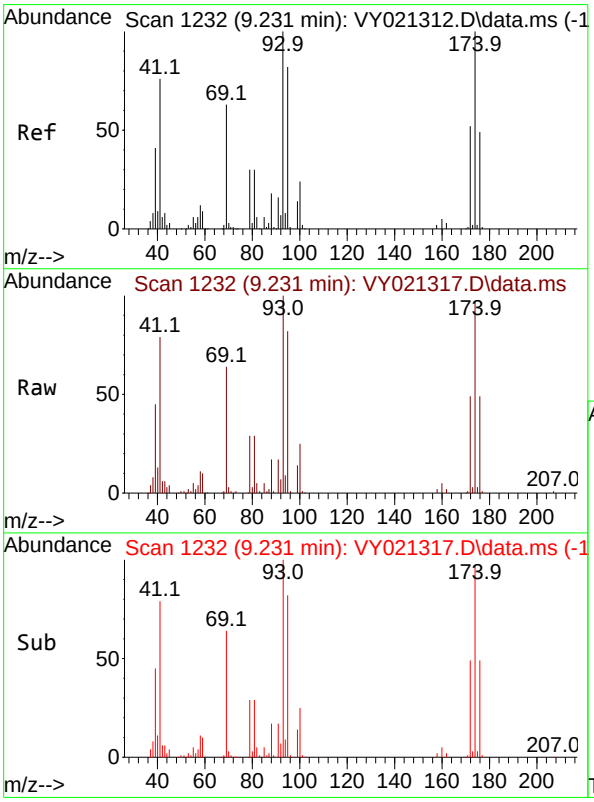
#45
1,2-Dichloropropane
Concen: 54.464 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 63 Resp: 111498

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

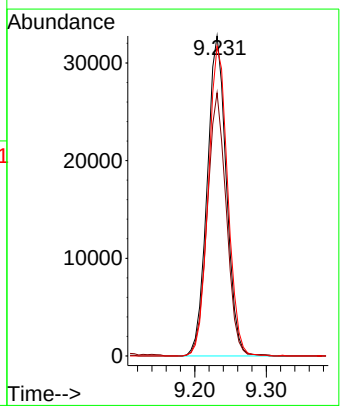


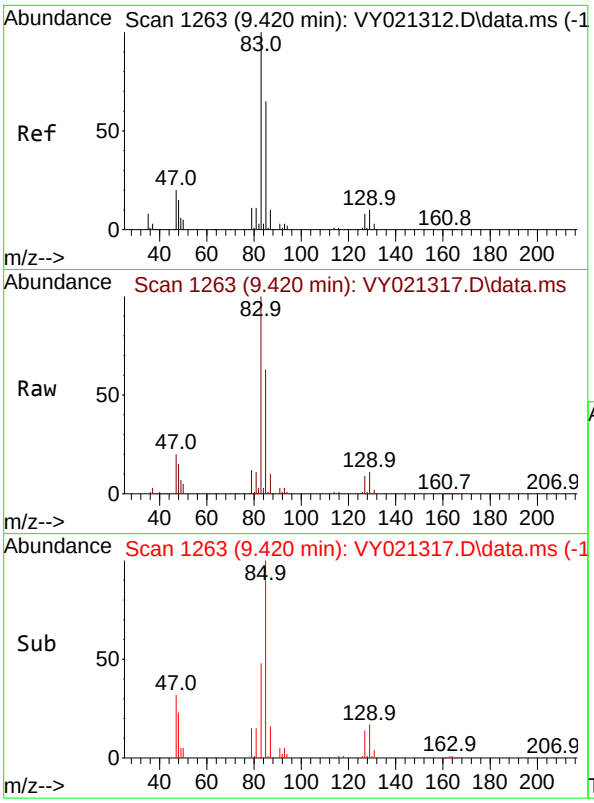


#46
Dibromomethane
Concen: 54.539 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 93 Resp: 61031

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.4	99.6
174	98.0	78.2	117.2



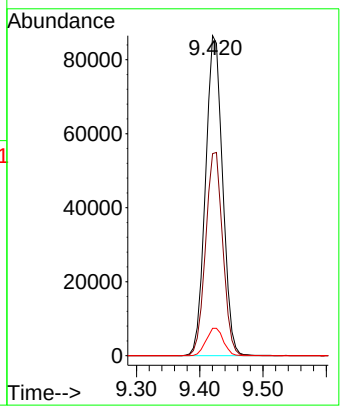


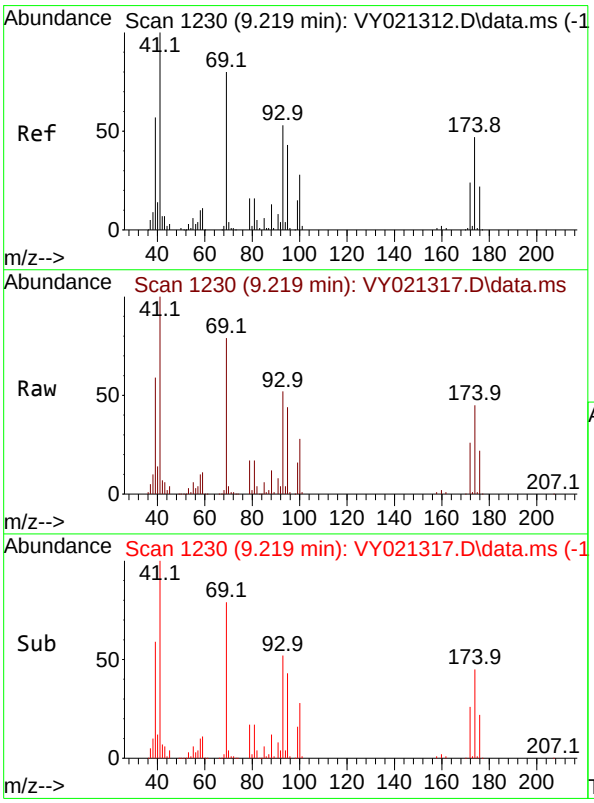
#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 83 Resp: 162580

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8
127	8.5	6.7	10.1

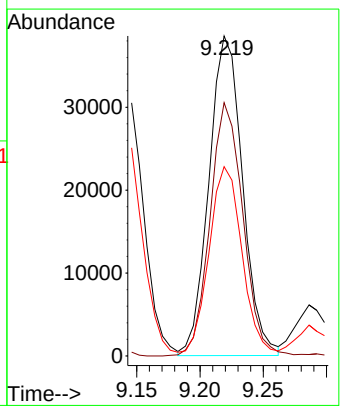


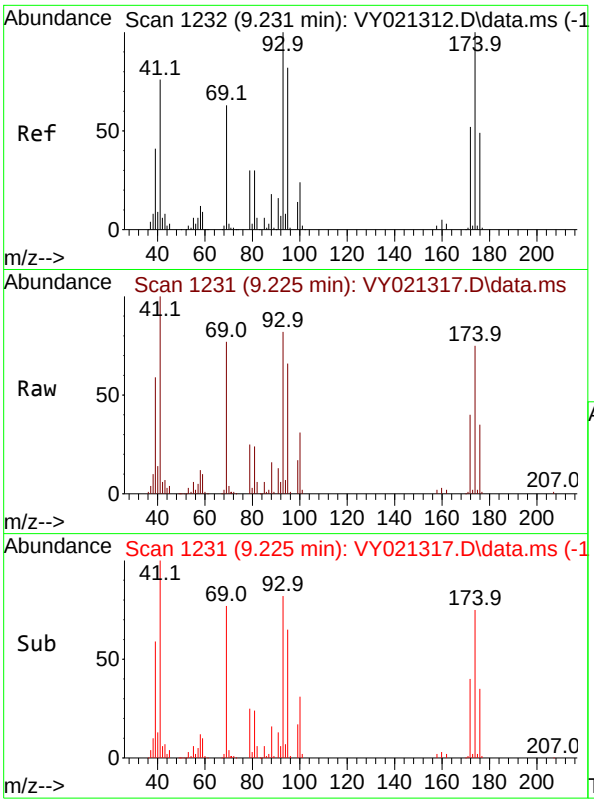


#48
Methyl methacrylate
Concen: 55.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 71360

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	56.2	45.0	67.6



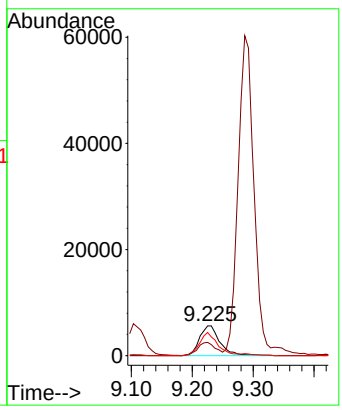


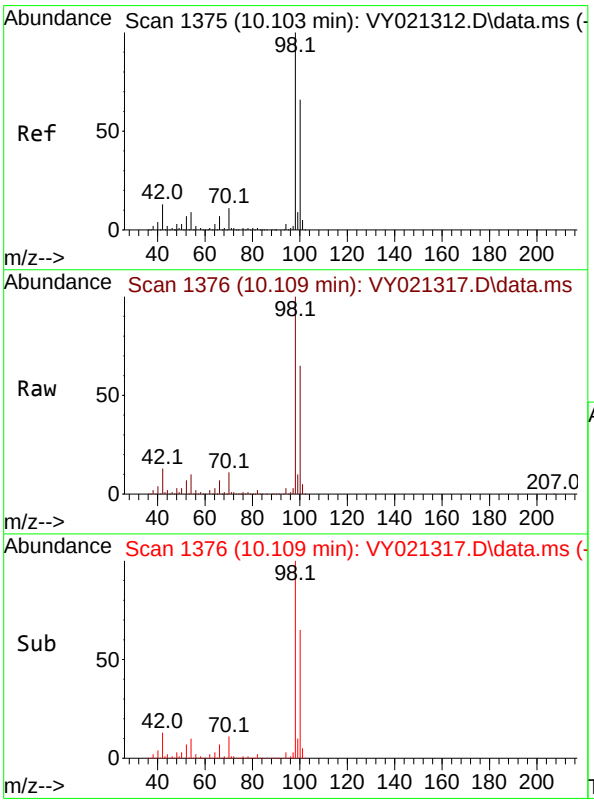
#49
1,4-Dioxane
Concen: 1053.076 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 88 Resp: 13103

Ion	Ratio	Lower	Upper
88	100		
43	39.5	34.8	52.2
58	69.6	59.8	89.6

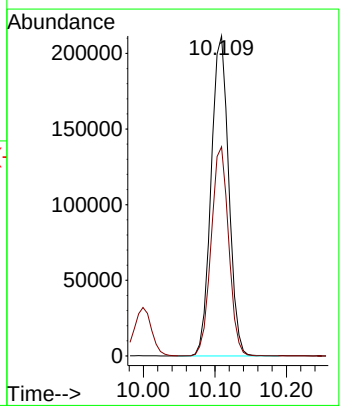


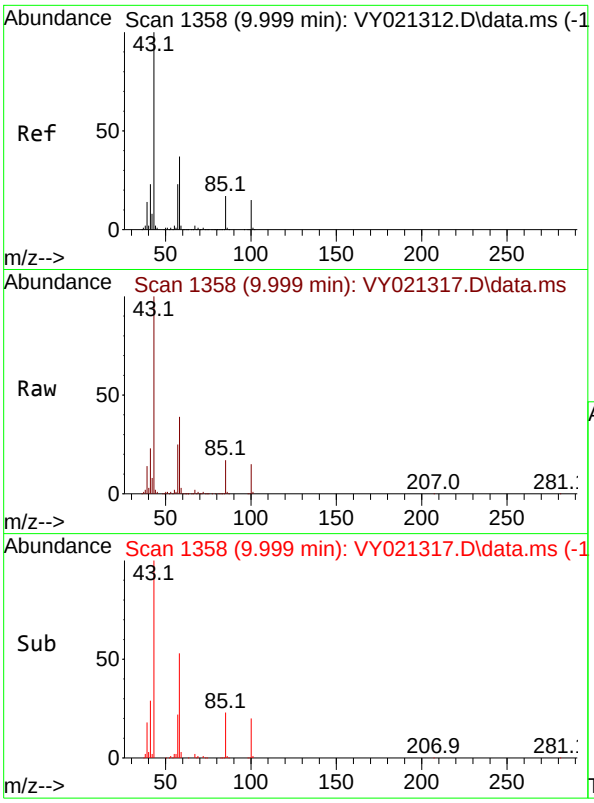


#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 98 Resp: 360528

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6



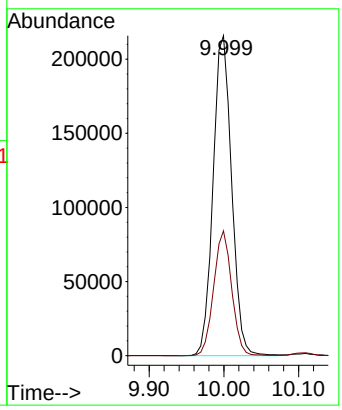


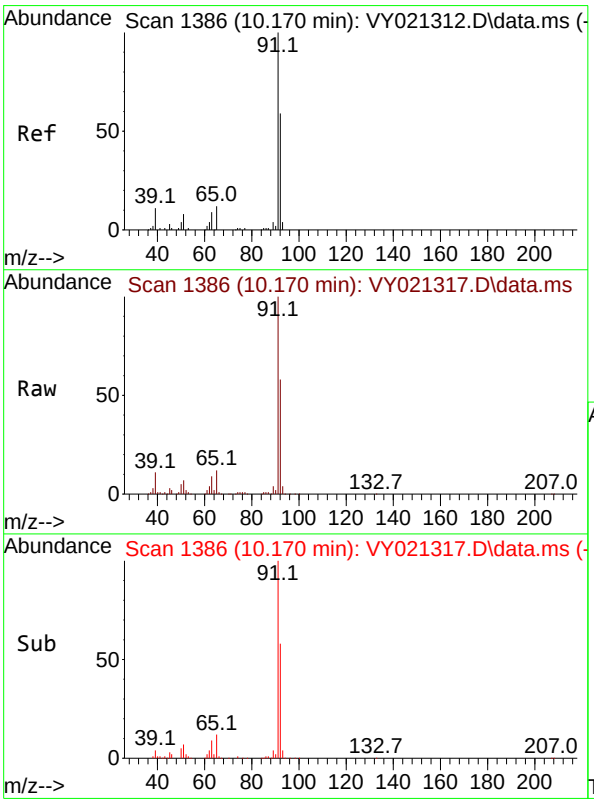
#51
4-Methyl-2-Pentanone
Concen: 262.628 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 372486

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1

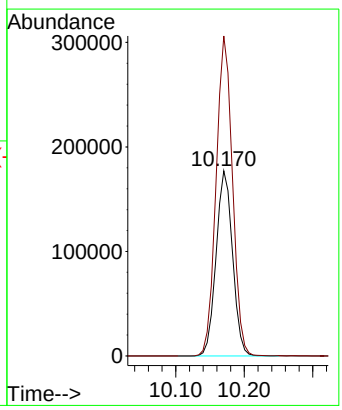


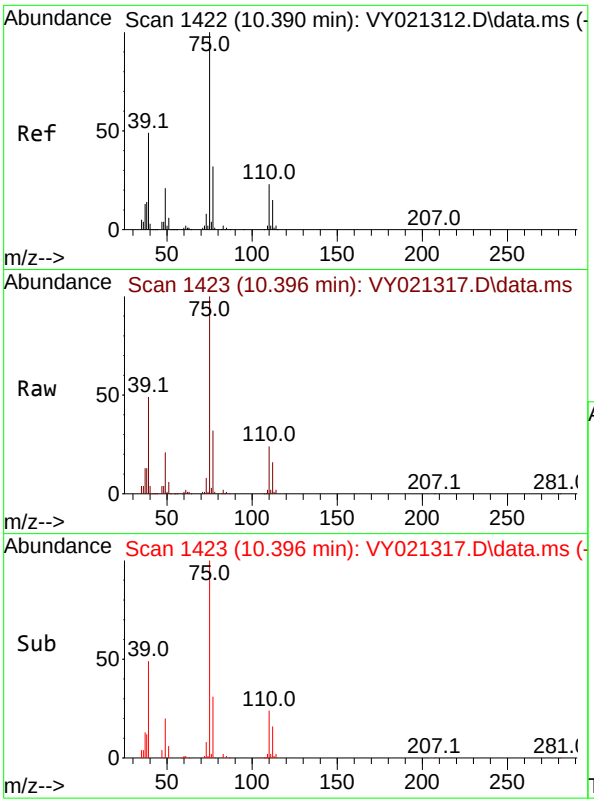


#52
Toluene
Concen: 55.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 92 Resp: 294219

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8



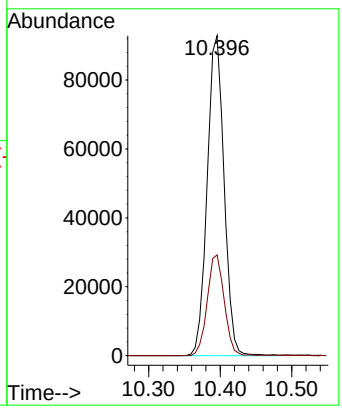


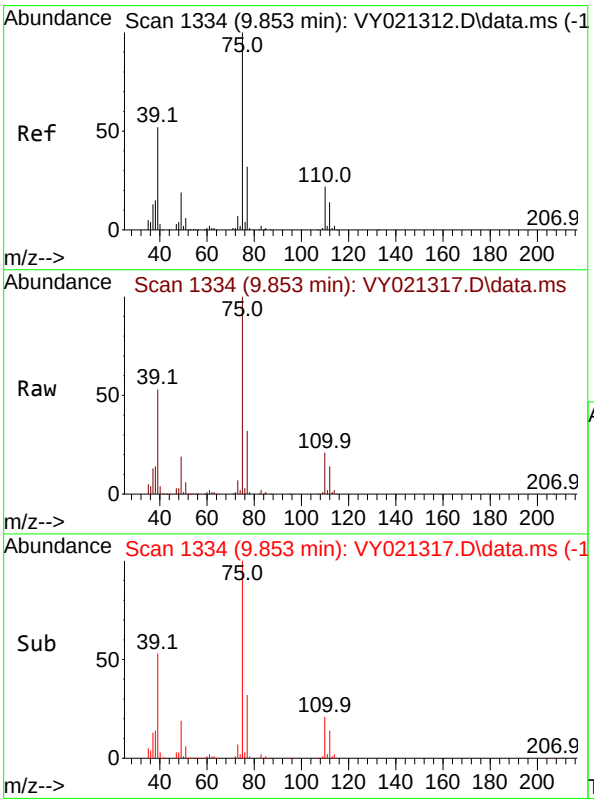
#53
t-1,3-Dichloropropene
Concen: 55.699 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 75 Resp: 152263

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

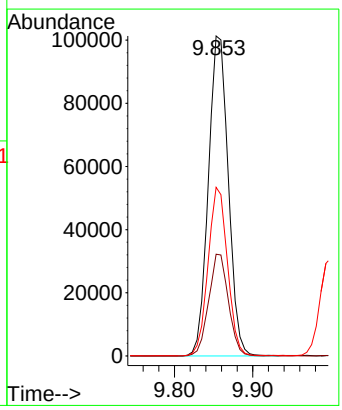


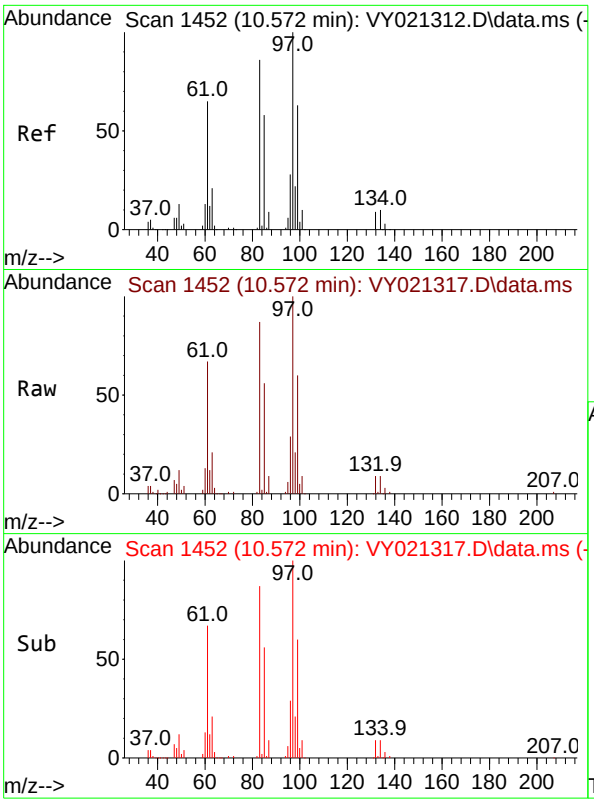


#54
cis-1,3-Dichloropropene
Concen: 55.451 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 178951

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.6	41.8	62.6



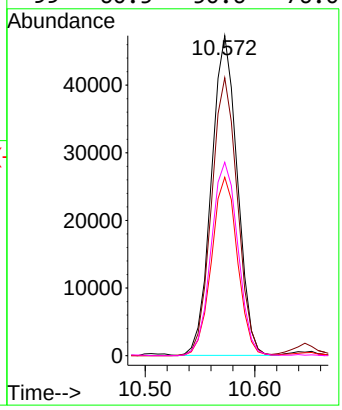


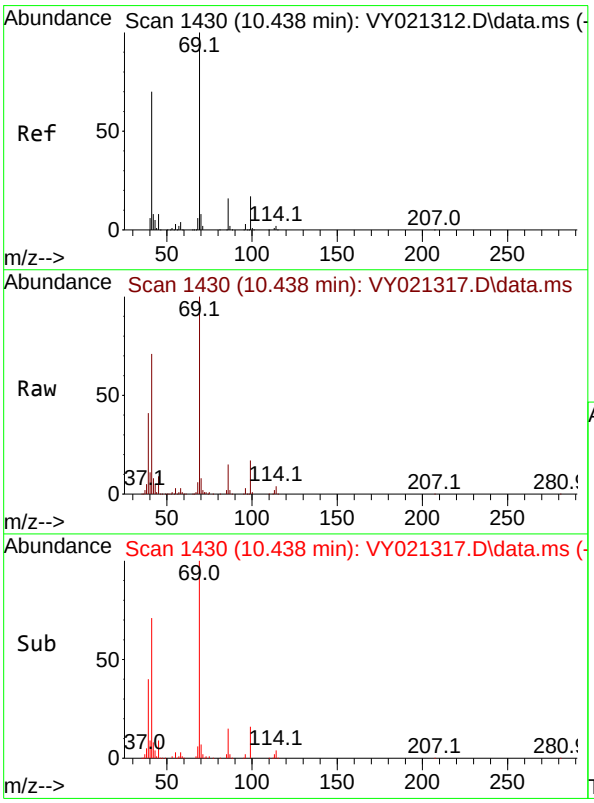
#55
1,1,2-Trichloroethane
Concen: 53.263 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 97 Resp: 77645

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	55.7	46.3	69.5
99	60.5	50.6	76.0

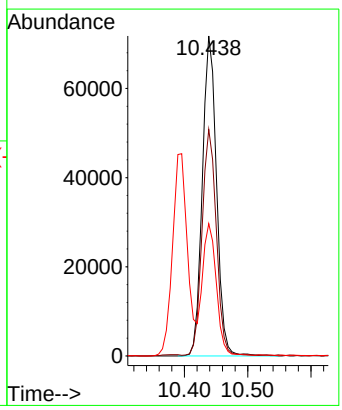


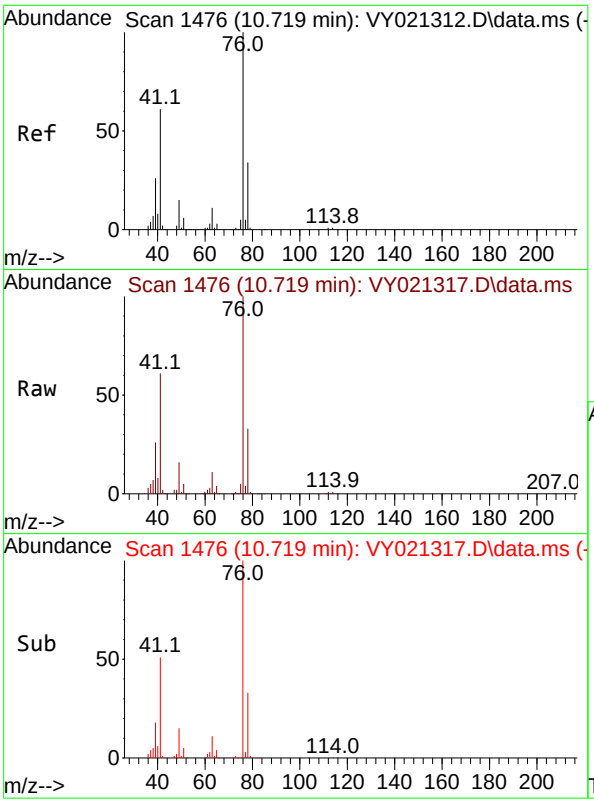


#56
Ethyl methacrylate
Concen: 55.679 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 69 Resp: 112155

Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.4
39	39.6	32.7	49.1



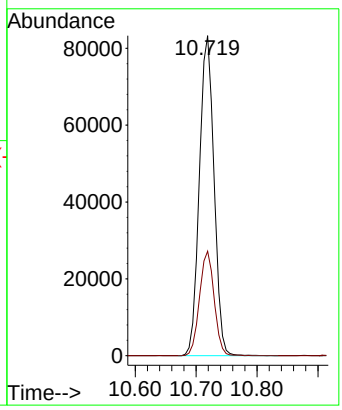


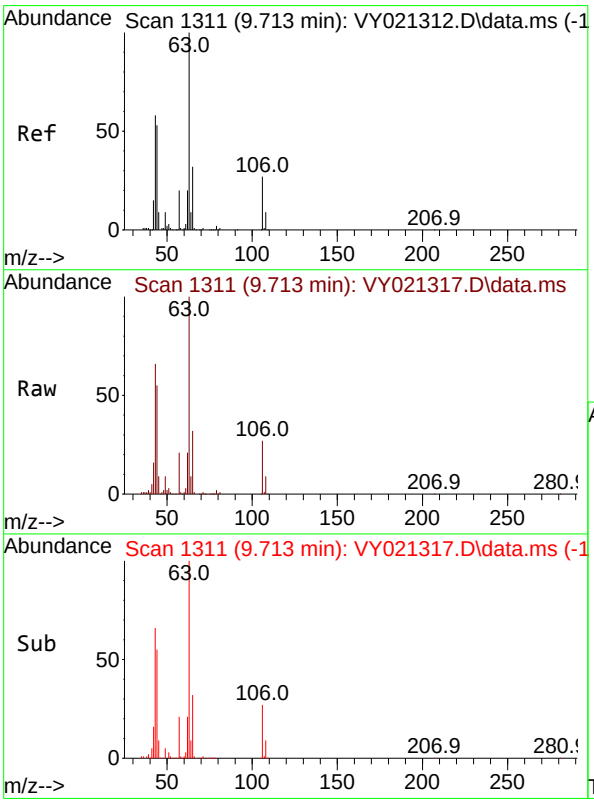
#57
1,3-Dichloropropane
Concen: 54.438 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 76 Resp: 139257

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

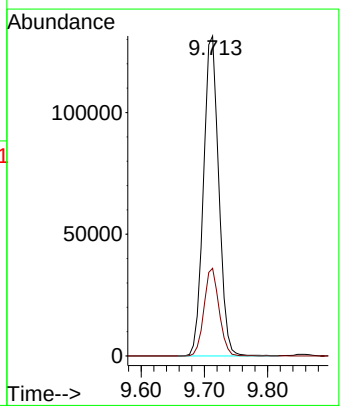


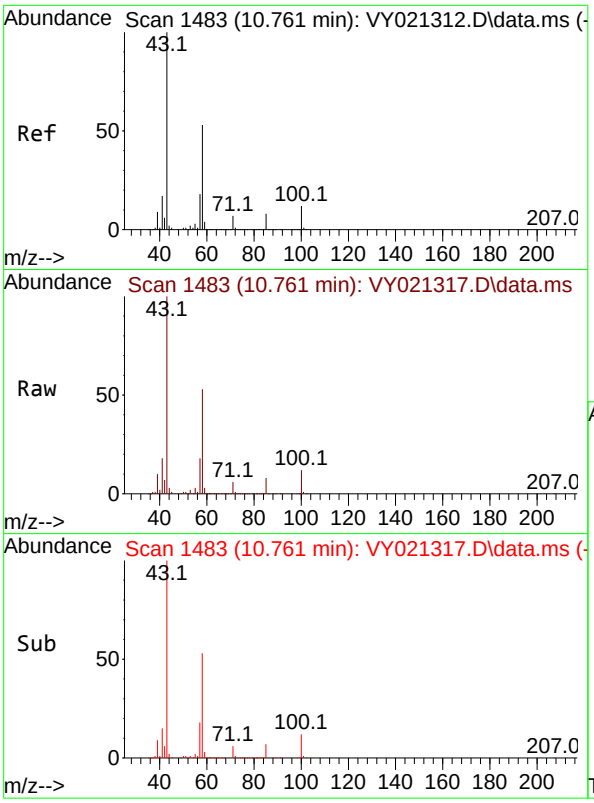


#58
2-Chloroethyl Vinyl ether
Concen: 228.990 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 221395

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5



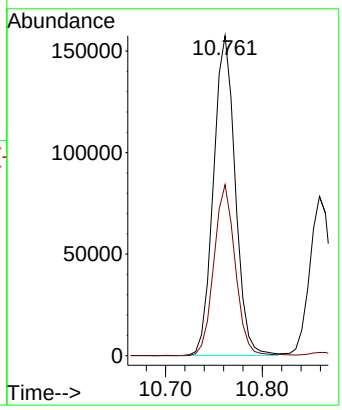


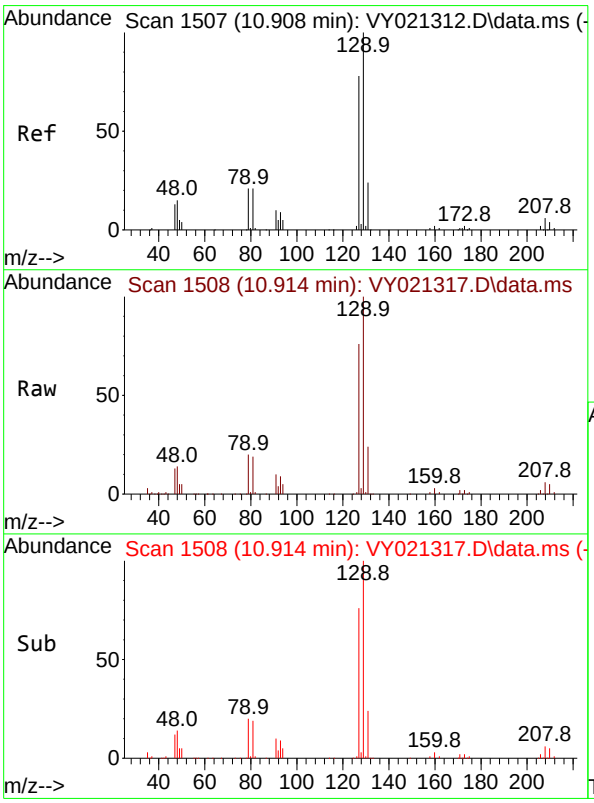
#59
2-Hexanone
Concen: 264.133 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 246032

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

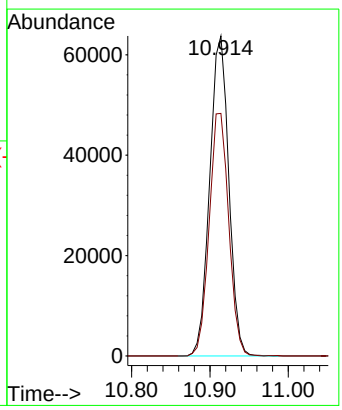


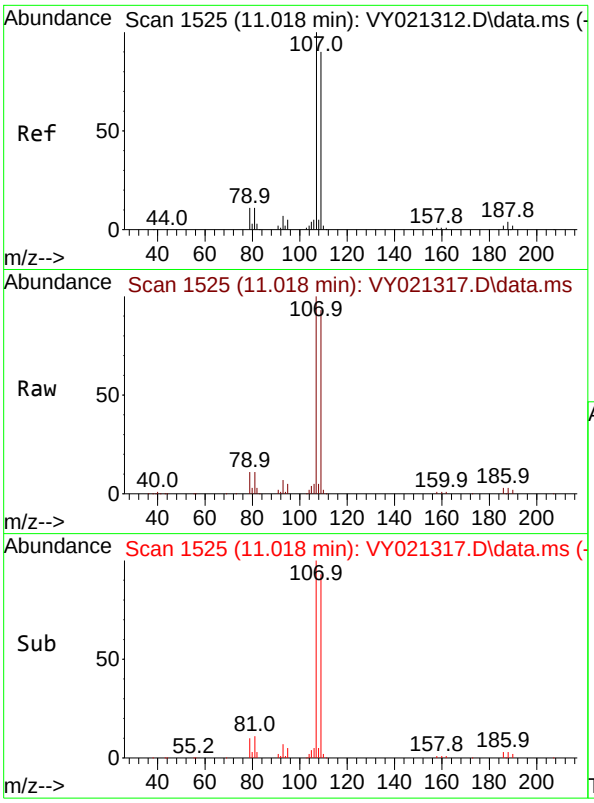


#60
Dibromochloromethane
Concen: 54.329 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:129 Resp: 107866

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4



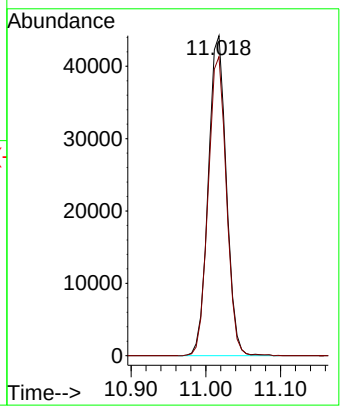


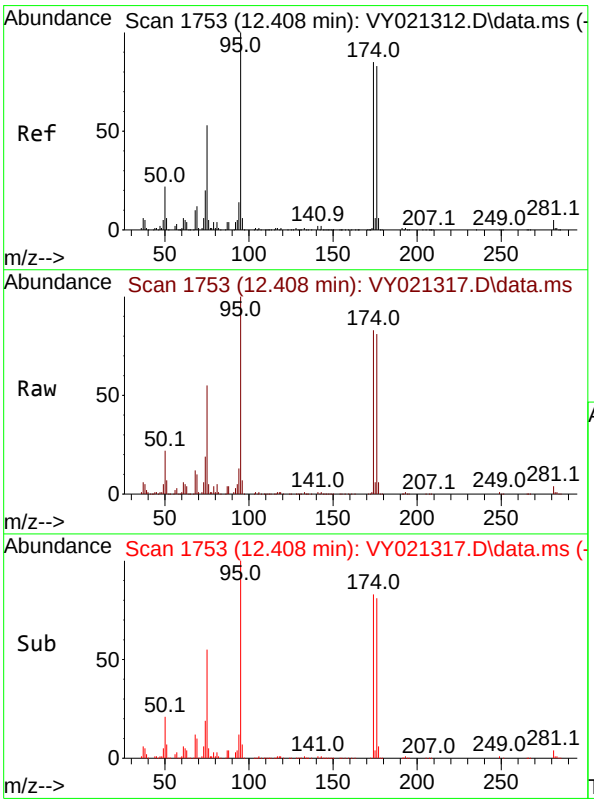
#61
1,2-Dibromoethane
Concen: 53.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:107 Resp: 74447

Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.8	110.8

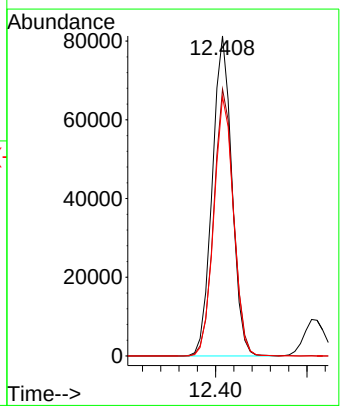


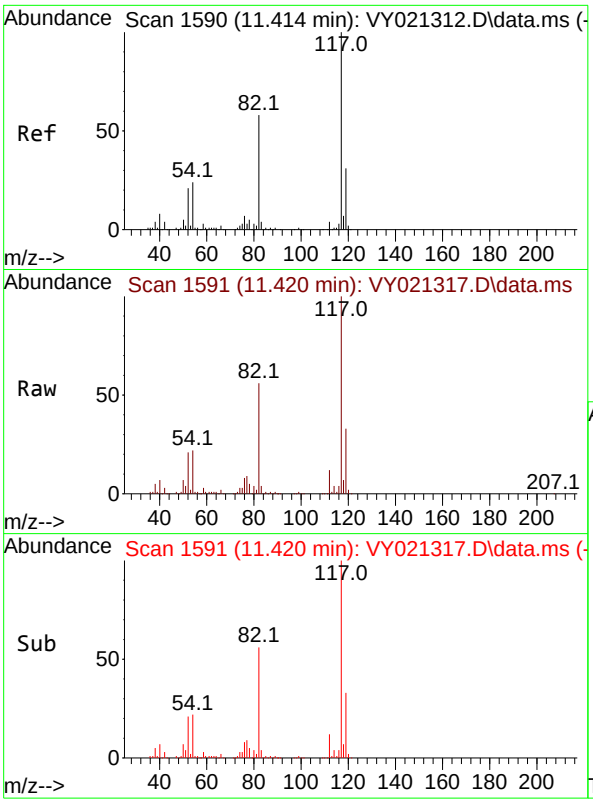


#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 95 Resp: 120972

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	168.0
176	81.4	0.0	162.6



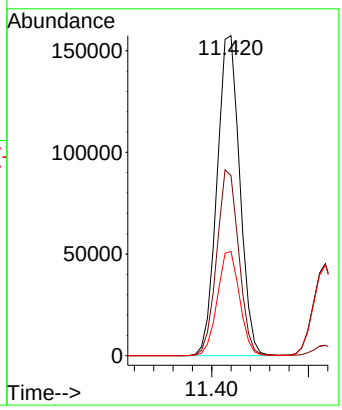


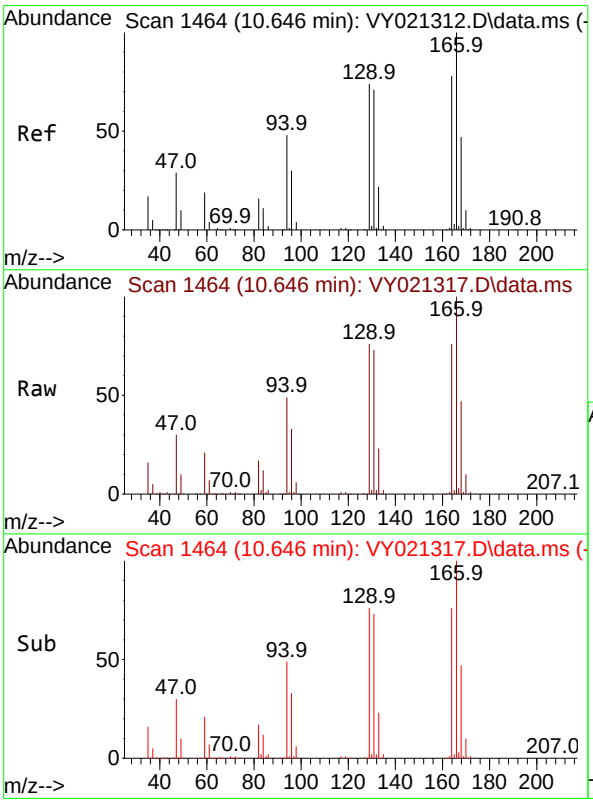
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:117 Resp: 257123

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	32.5	24.9	37.3

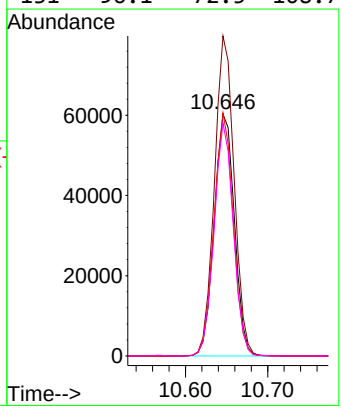


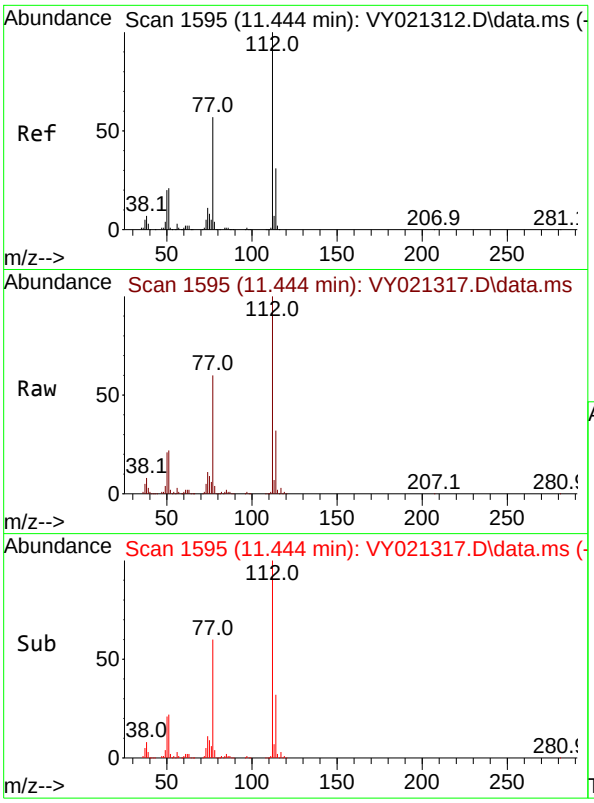


#64
Tetrachloroethene
Concen: 52.940 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:164 Resp: 102887

Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.9	152.9
129	100.4	75.5	113.3
131	96.1	72.5	108.7



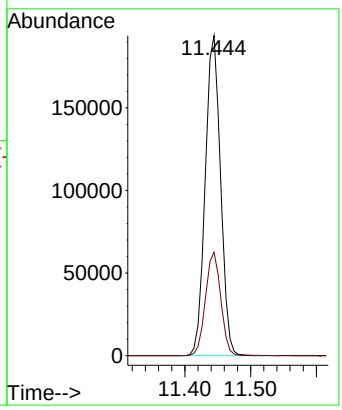


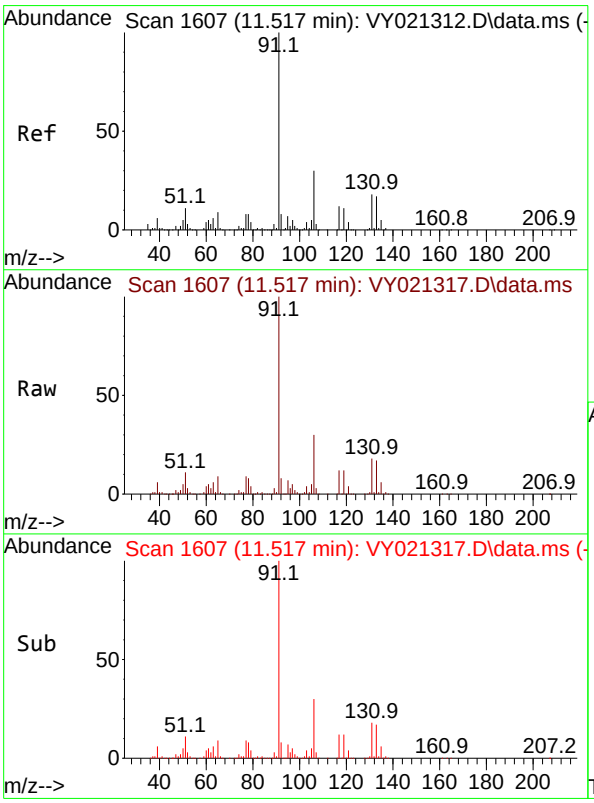
#65
Chlorobenzene
Concen: 54.410 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:112 Resp: 314040

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6

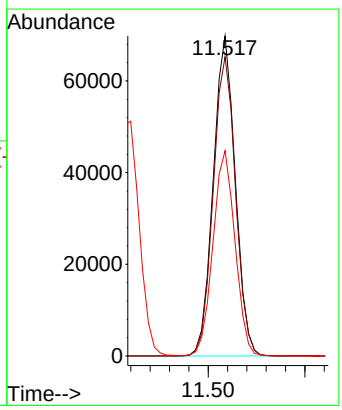


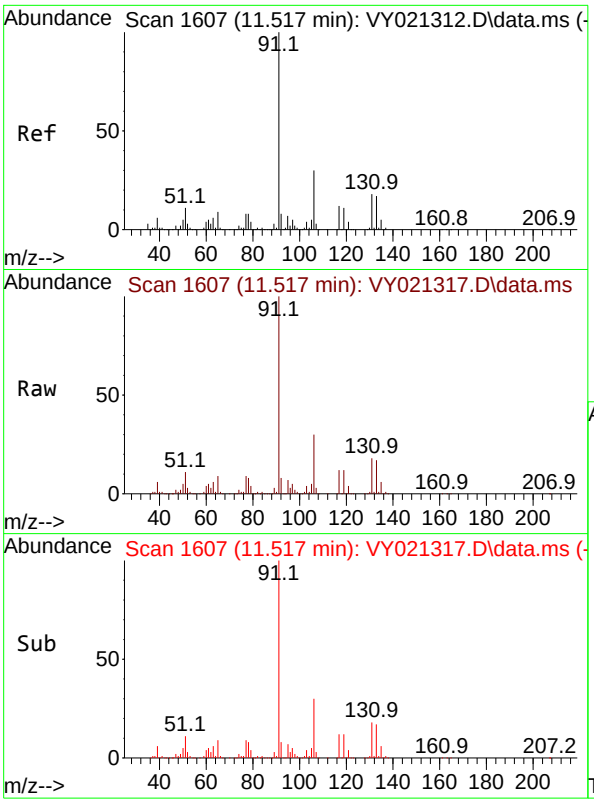


#66
1,1,1,2-Tetrachloroethane
Concen: 54.517 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:131 Resp: 110179

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.6
119	64.3	31.7	95.1



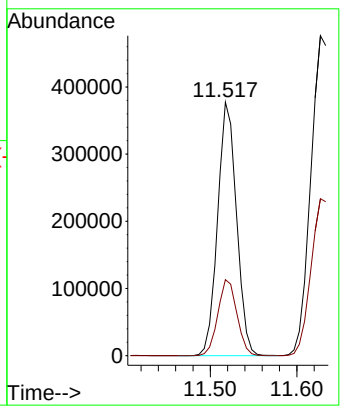


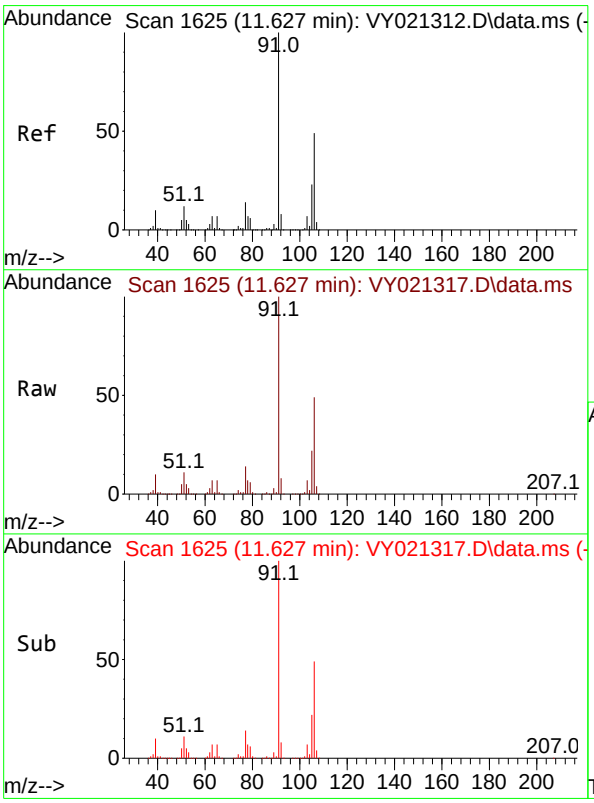
#67
Ethyl Benzene
Concen: 55.992 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 91 Resp: 572425

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6

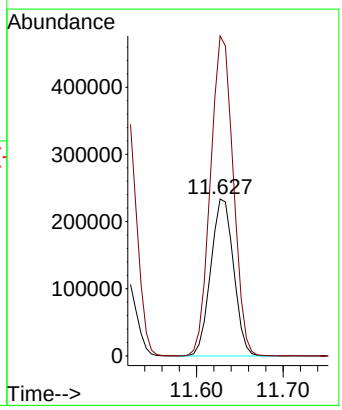


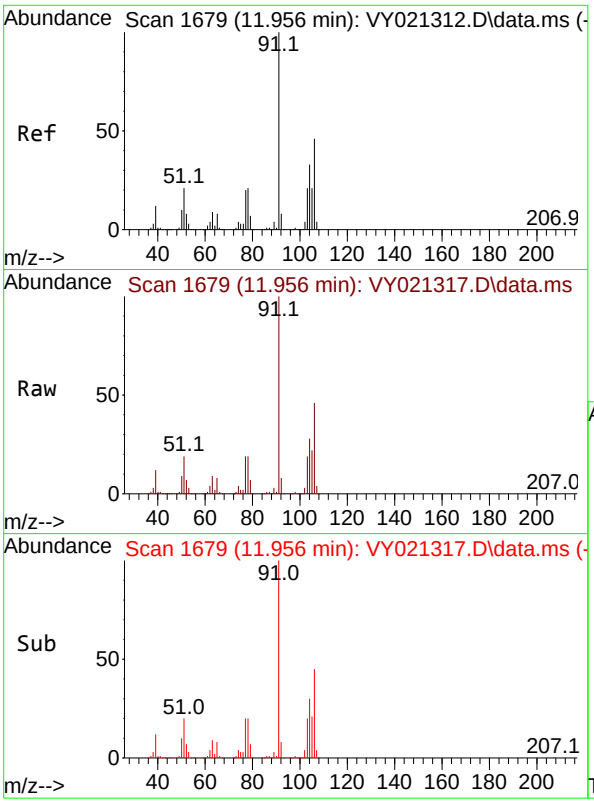


#68
m/p-Xylenes
Concen: 111.274 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 427892

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.9	245.9



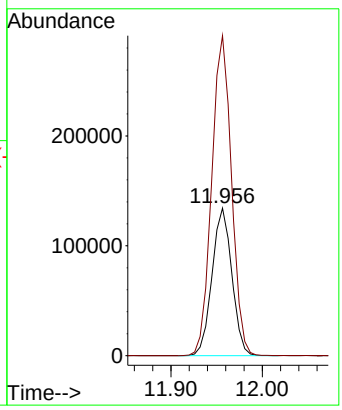


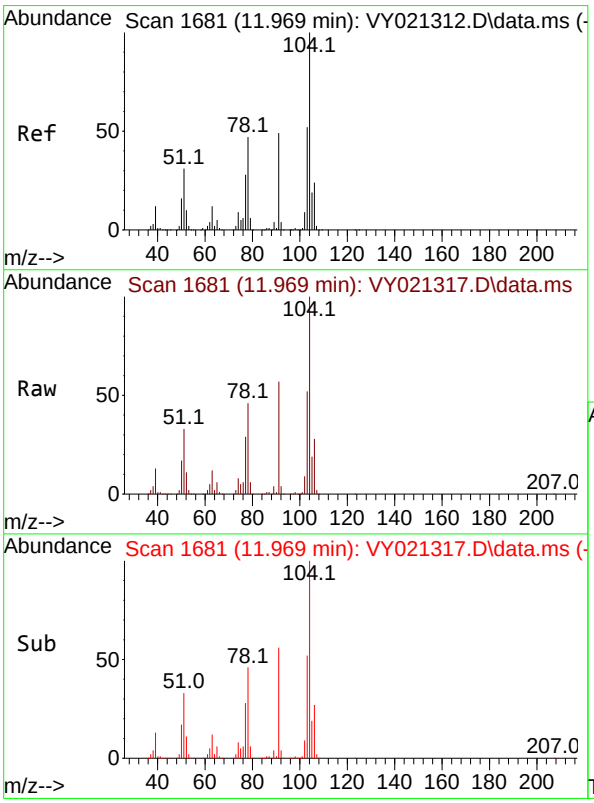
#69
o-Xylene
Concen: 56.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:106 Resp: 202123

Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.1	324.2

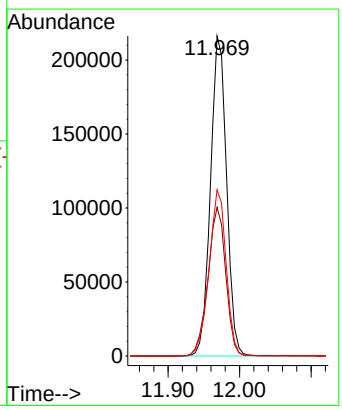


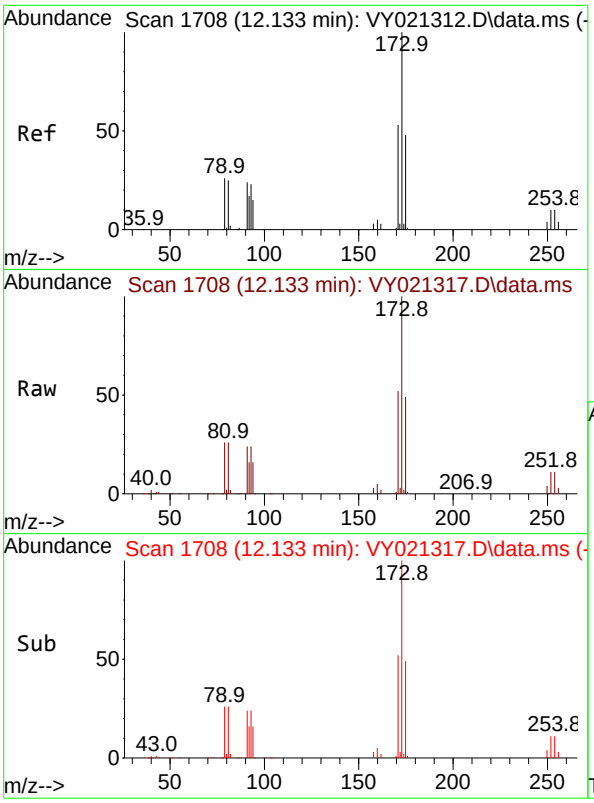


#70
Styrene
Concen: 56.307 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:104 Resp: 337489

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.3	61.9
103	55.3	43.9	65.9



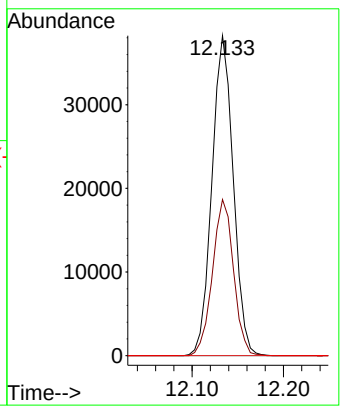


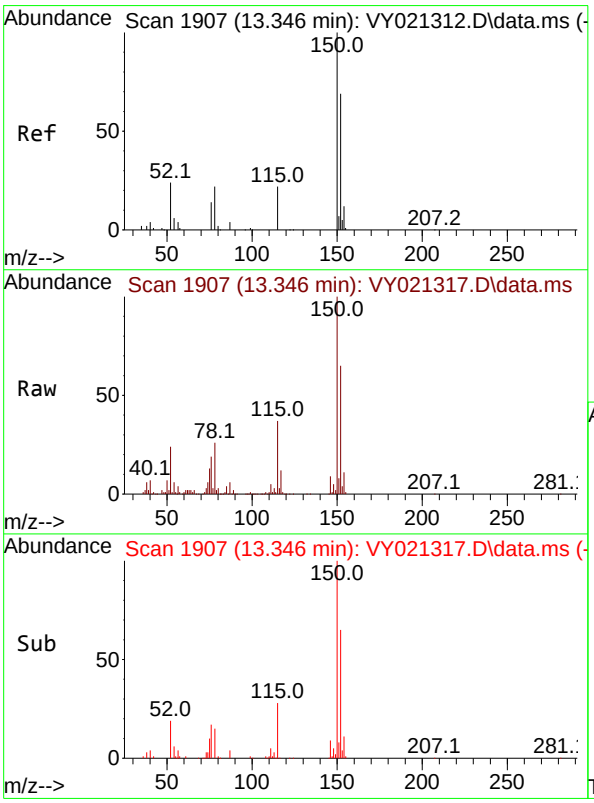
#71
Bromoform
Concen: 53.590 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:173 Resp: 61959

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.1	0.1#

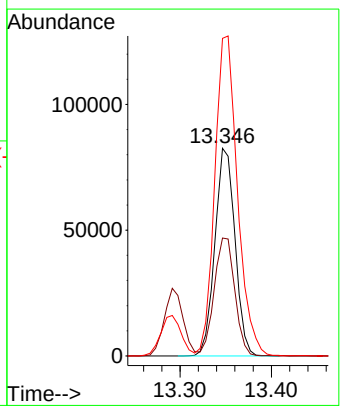


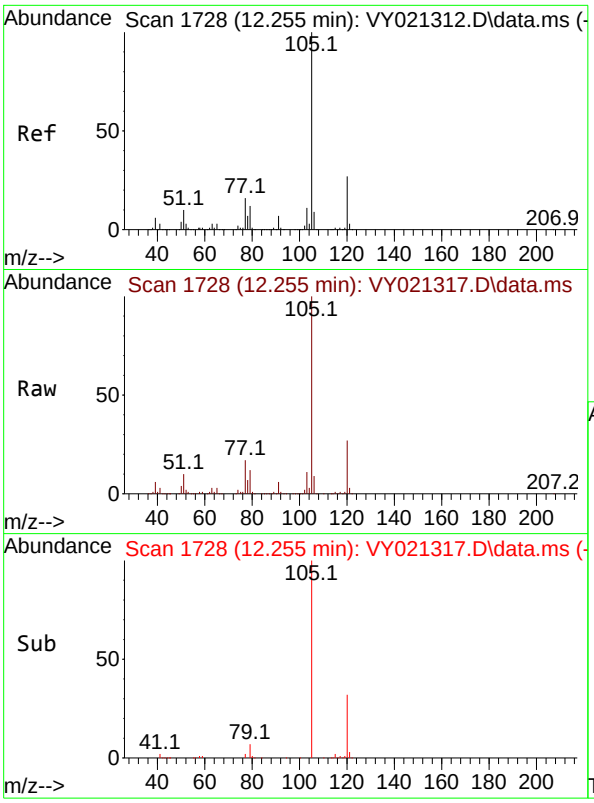


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:152 Resp: 126299

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	88.0
150	174.2	0.0	347.4



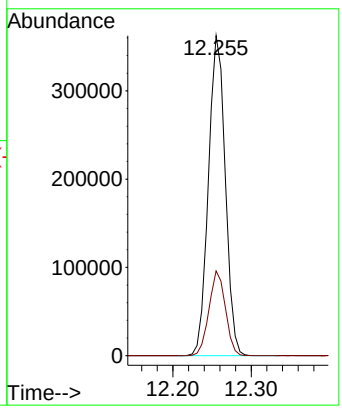


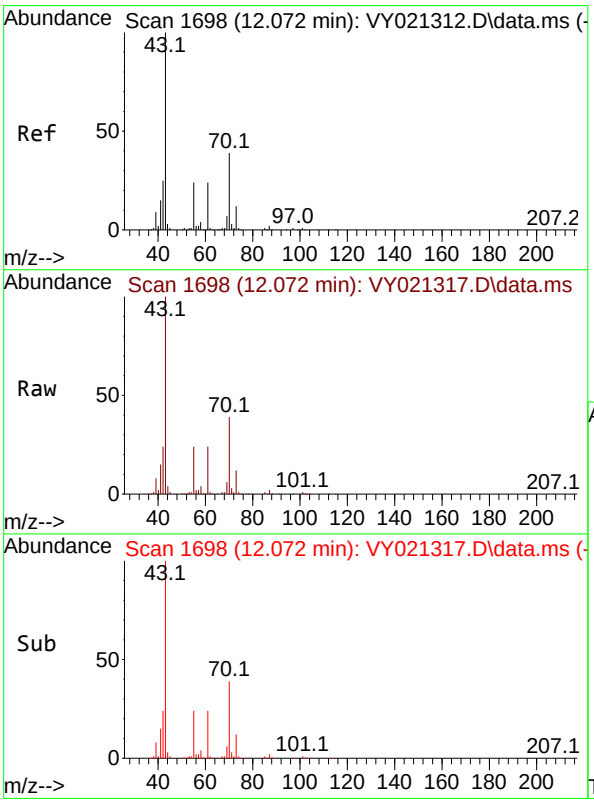
#73
Isopropylbenzene
Concen: 56.974 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:105 Resp: 540978

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8

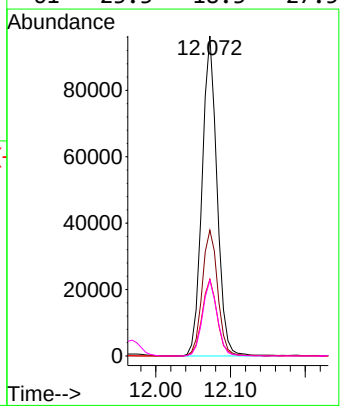


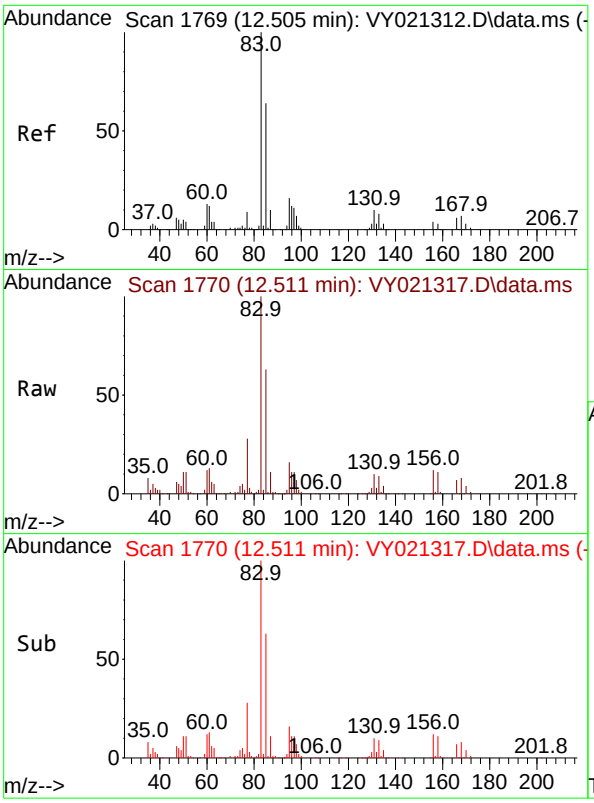


#74
N-amyl acetate
Concen: 55.509 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 133968

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	24.2	19.6	29.4
61	23.3	18.3	27.5



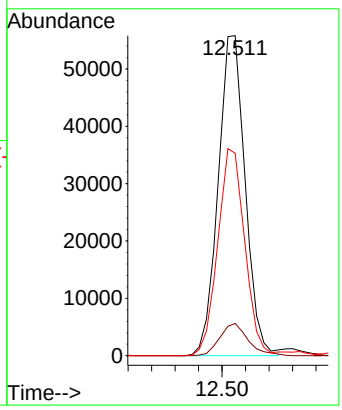


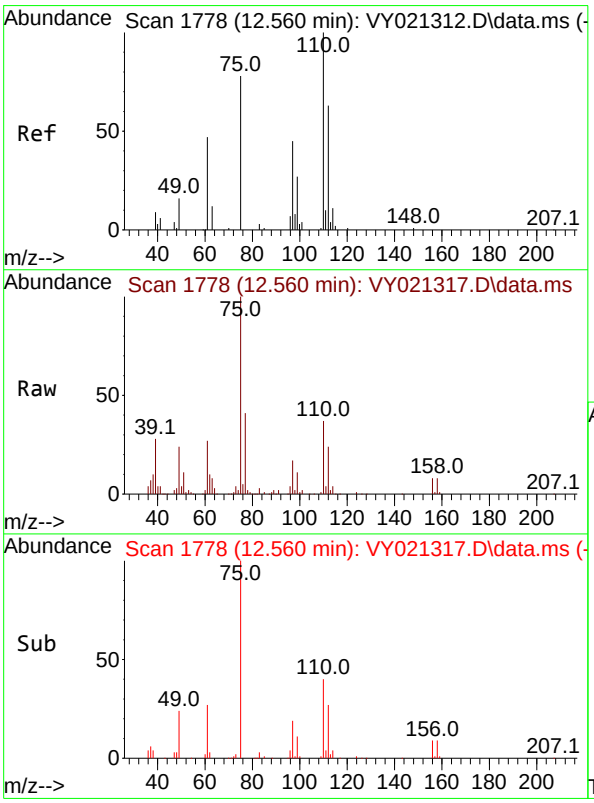
#75
1,1,2,2-Tetrachloroethane
Concen: 53.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 83 Resp: 89240

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.7	32.0	96.0

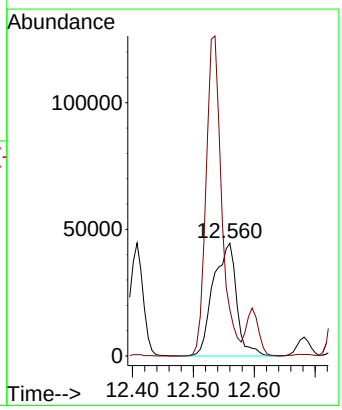


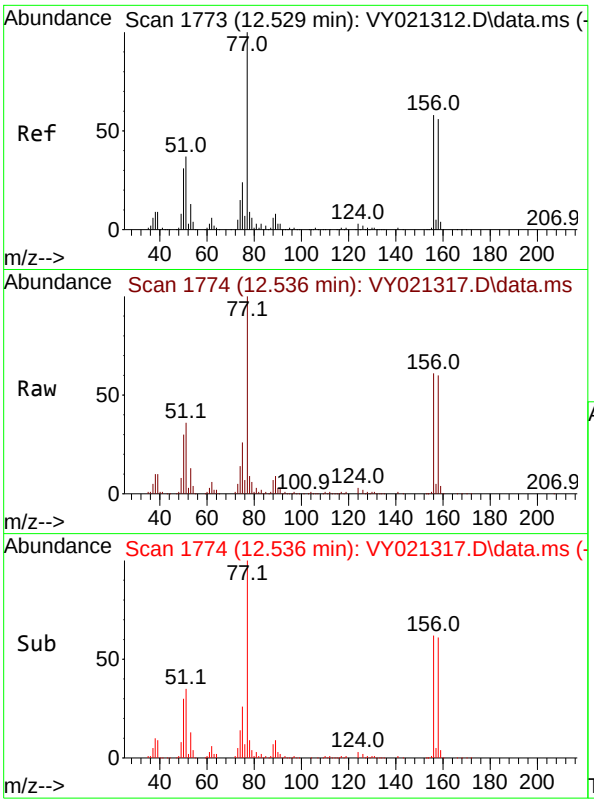


#76
1,2,3-Trichloropropane
Concen: 93.768 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 118541

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



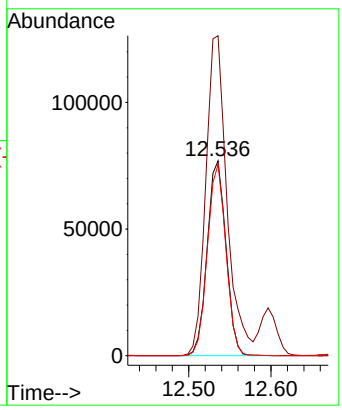


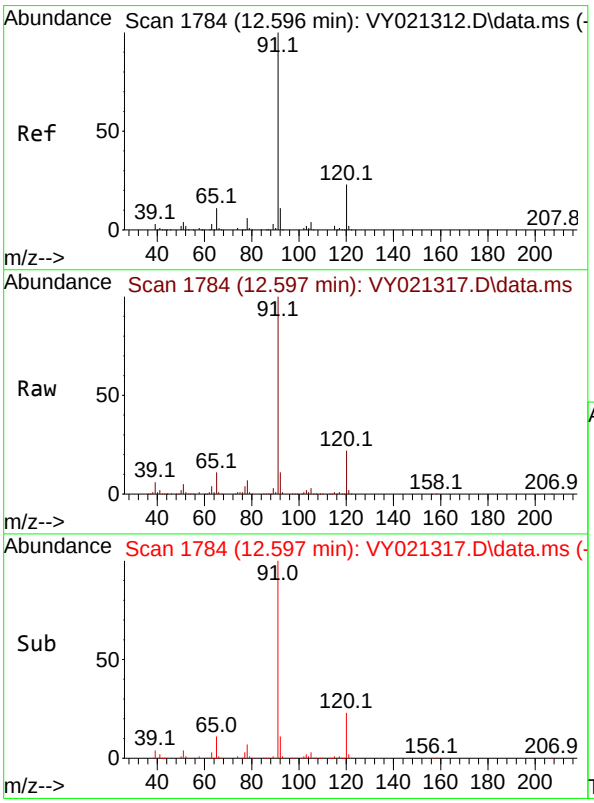
#77
Bromobenzene
Concen: 55.296 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:156 Resp: 122121

Ion	Ratio	Lower	Upper
156	100		
77	185.0	94.0	282.1
158	96.6	48.7	146.1

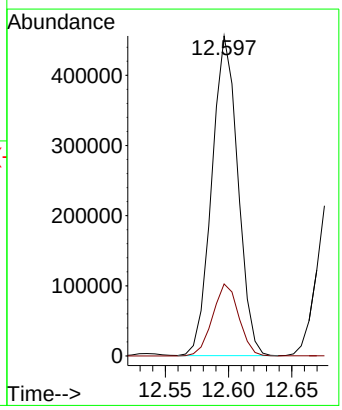


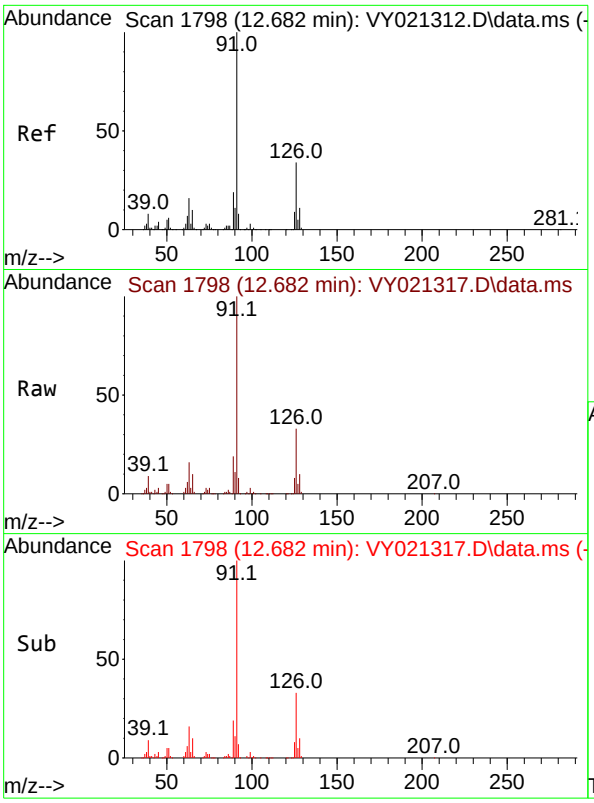


#78
n-propylbenzene
Concen: 56.783 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 654255

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5



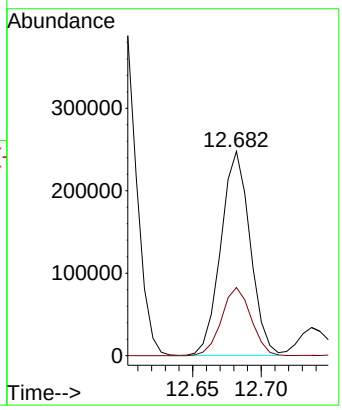


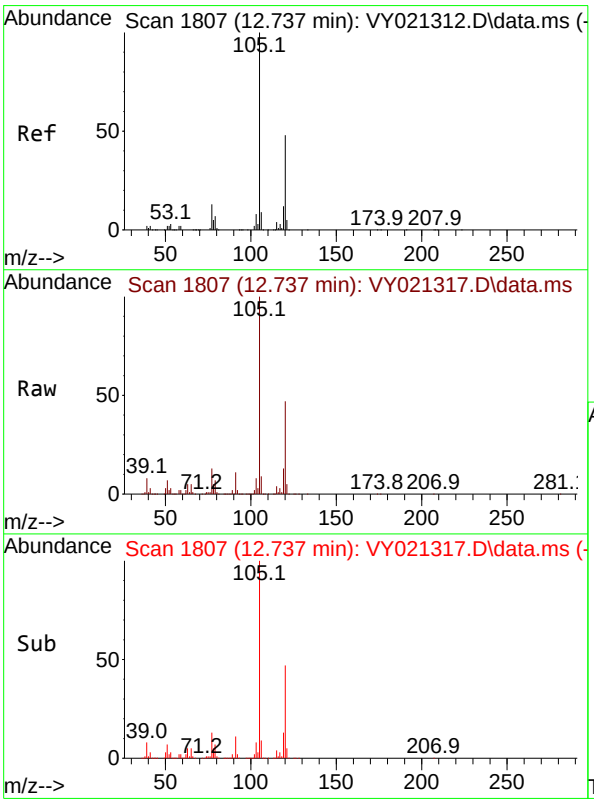
#79
2-Chlorotoluene
Concen: 55.813 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 91 Resp: 369065

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

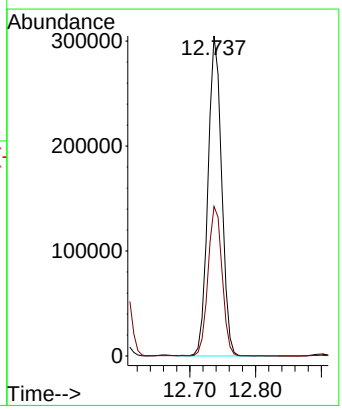


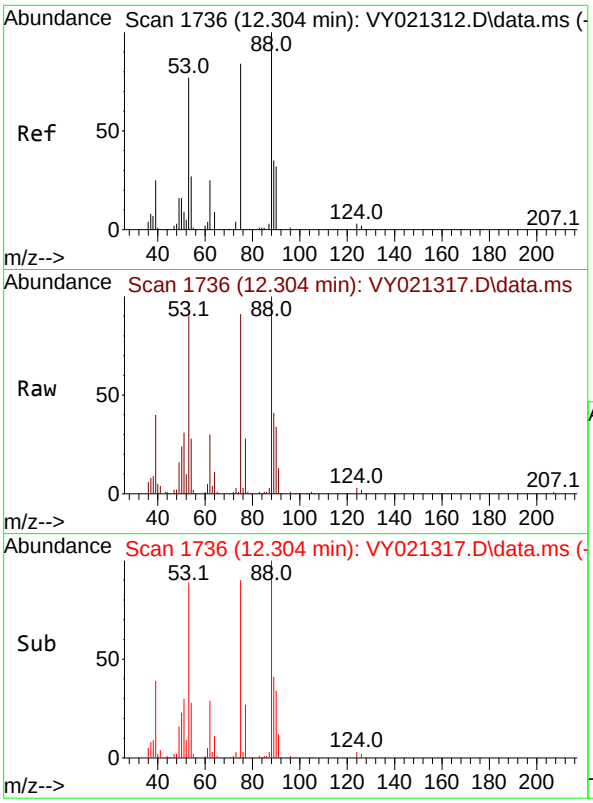


#80
1,3,5-Trimethylbenzene
Concen: 56.549 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 440379

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0



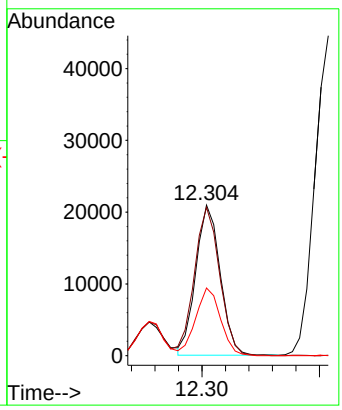


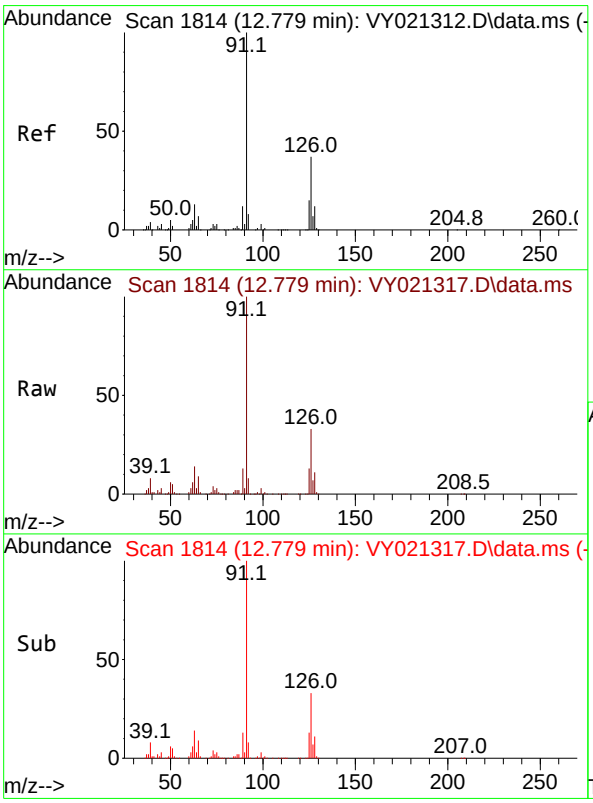
#81
trans-1,4-Dichloro-2-butene
Concen: 53.216 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 75 Resp: 30268

Ion	Ratio	Lower	Upper
75	100		
53	103.4	79.1	118.7
89	45.8	35.6	53.4

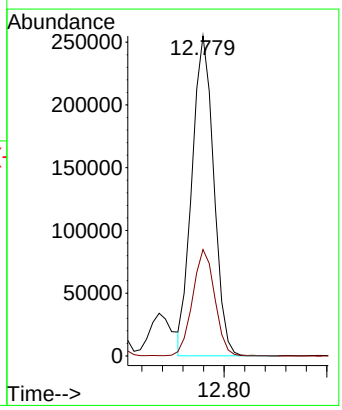


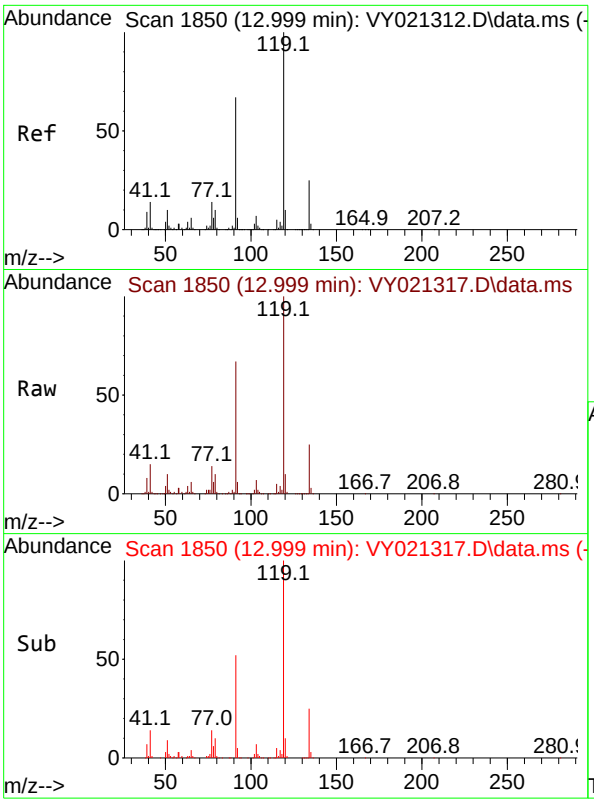


#82
4-Chlorotoluene
Concen: 54.757 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 375340

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4



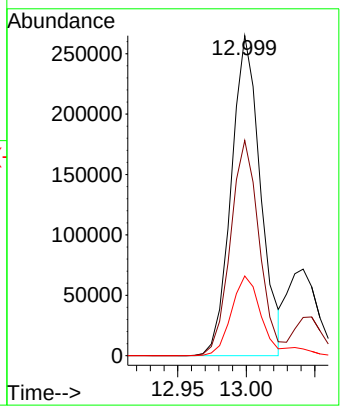


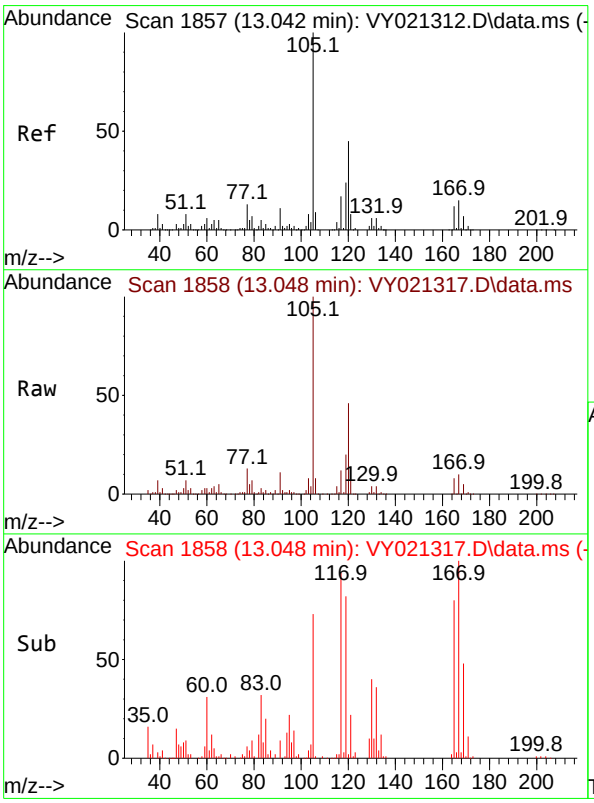
#83
tert-Butylbenzene
Concen: 55.900 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:119 Resp: 393228

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.8	13.3	39.9

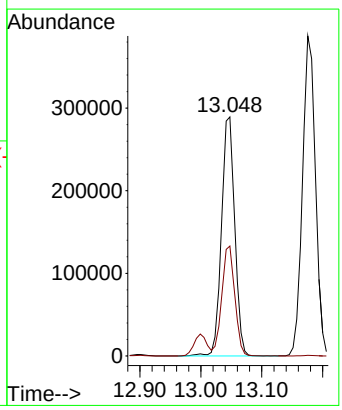


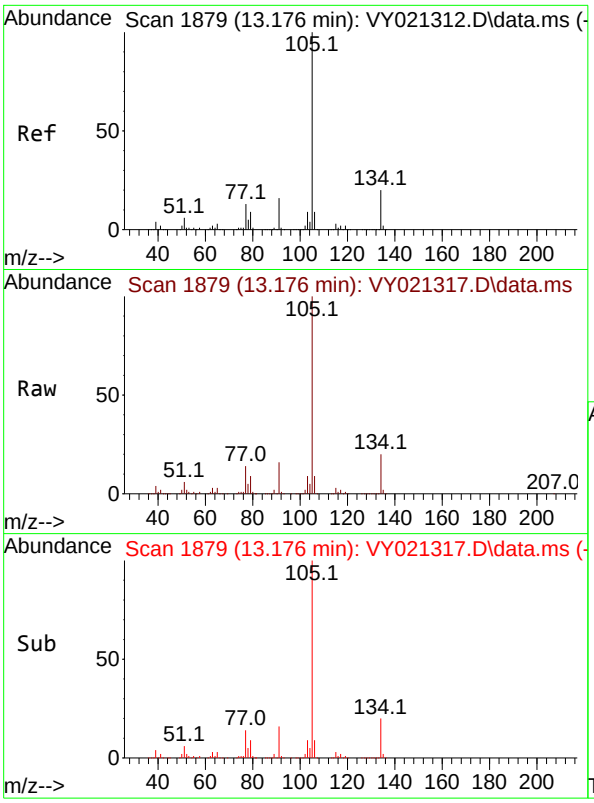


#84
1,2,4-Trimethylbenzene
Concen: 56.621 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 438538

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3



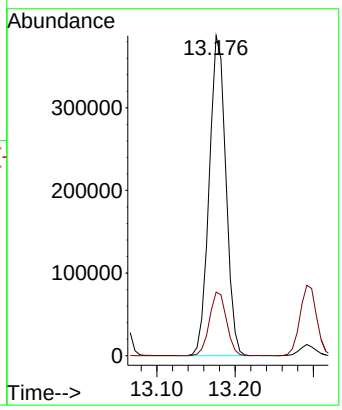


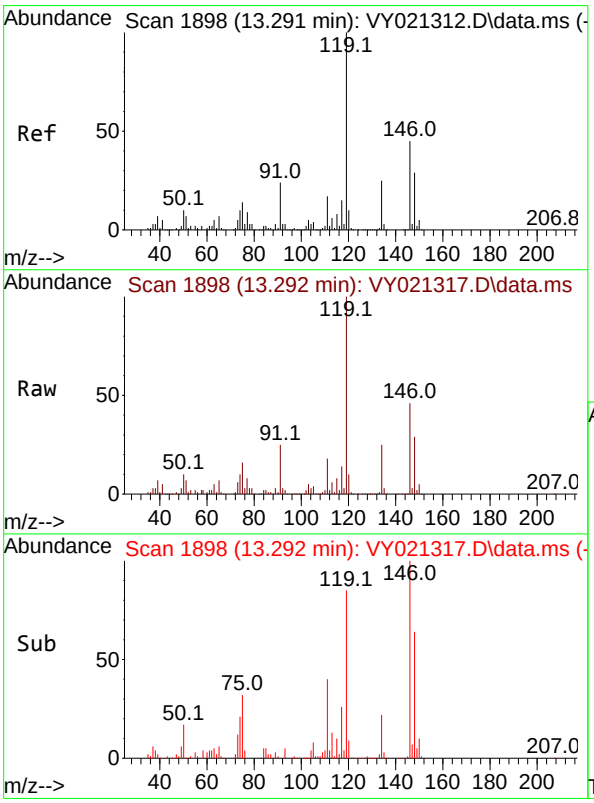
#85
sec-Butylbenzene
Concen: 55.655 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:105 Resp: 571874

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

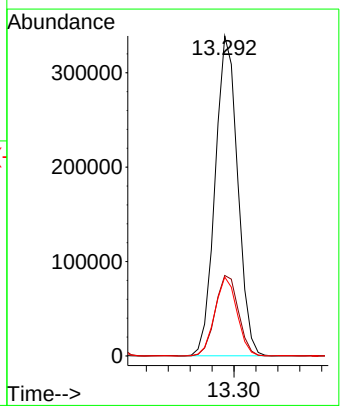


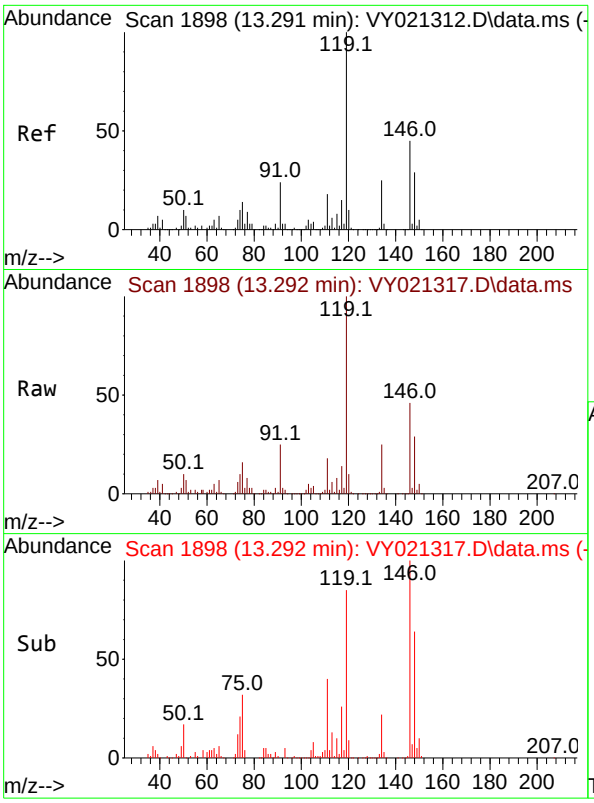


#86
p-Isopropyltoluene
Concen: 56.427 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 484140

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.2	12.0	36.1



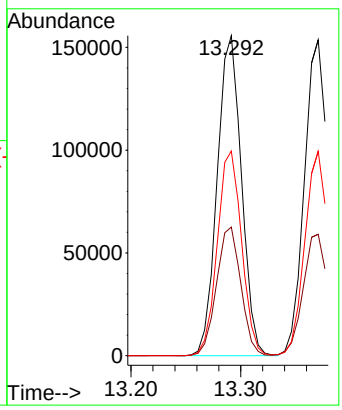


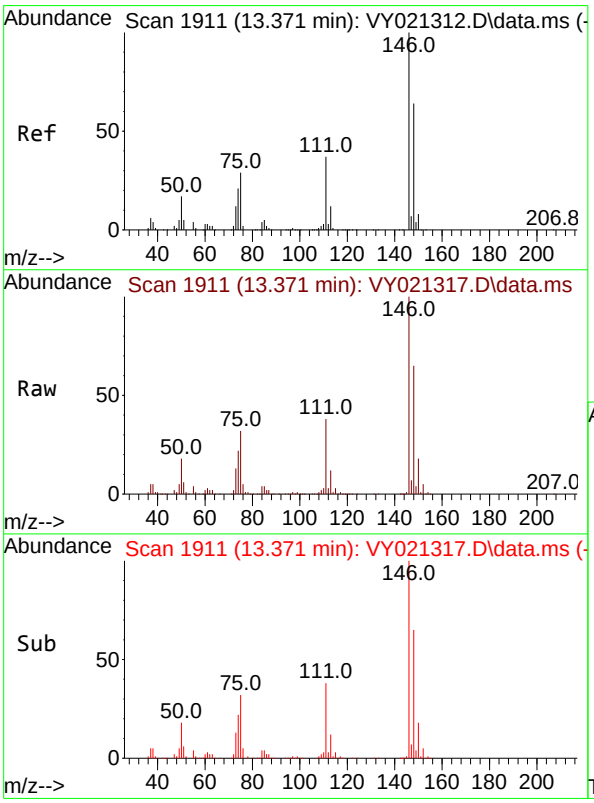
#87
1,3-Dichlorobenzene
Concen: 54.800 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:146 Resp: 239404

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.1	31.9	95.9

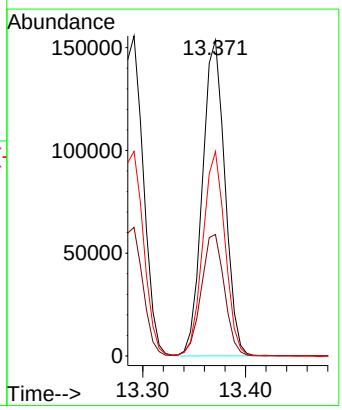


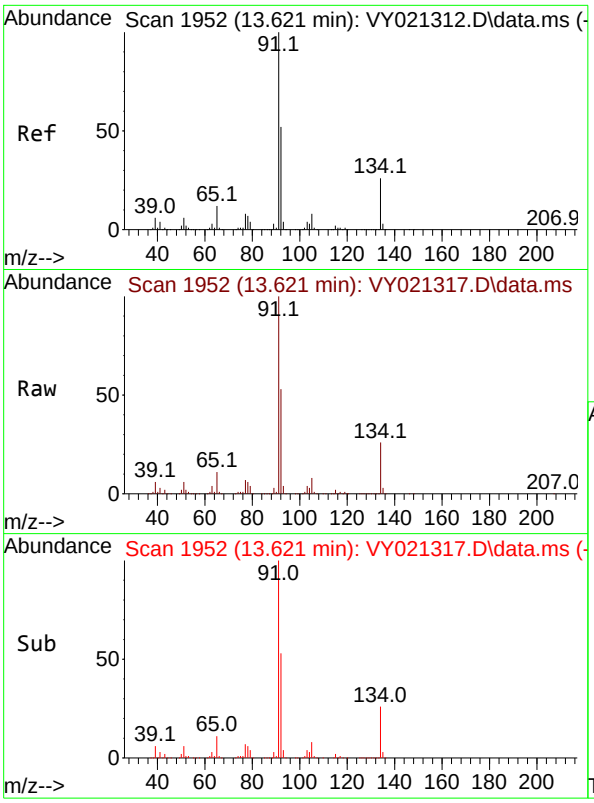


#88
1,4-Dichlorobenzene
Concen: 54.098 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 233477

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.2	32.0	96.2



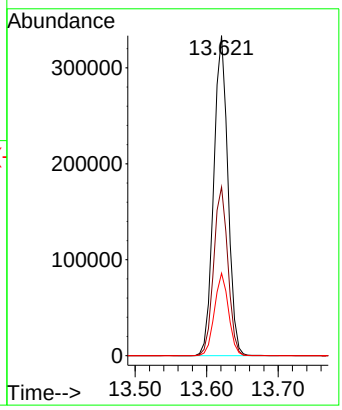


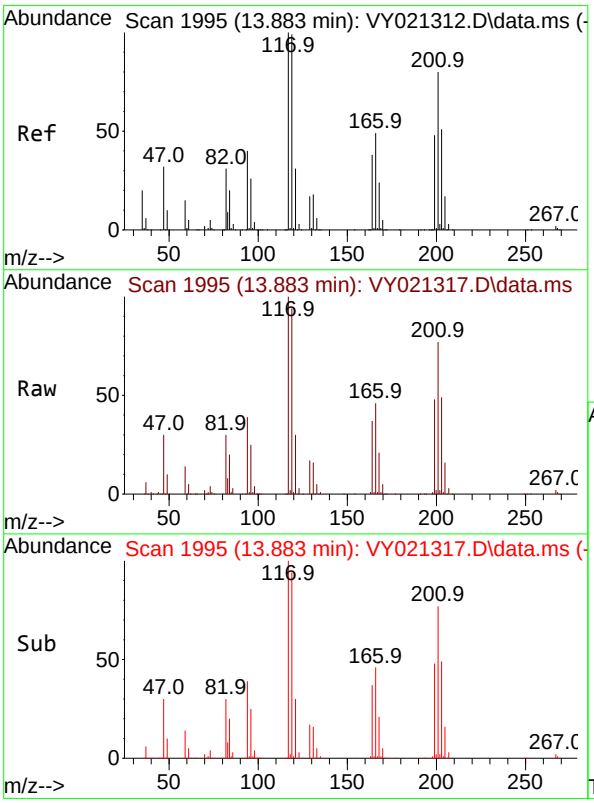
#89
n-Butylbenzene
Concen: 56.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 91 Resp: 459065

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.7	38.0

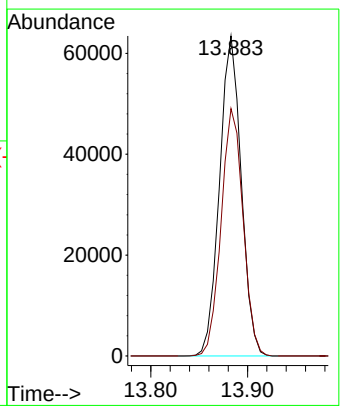


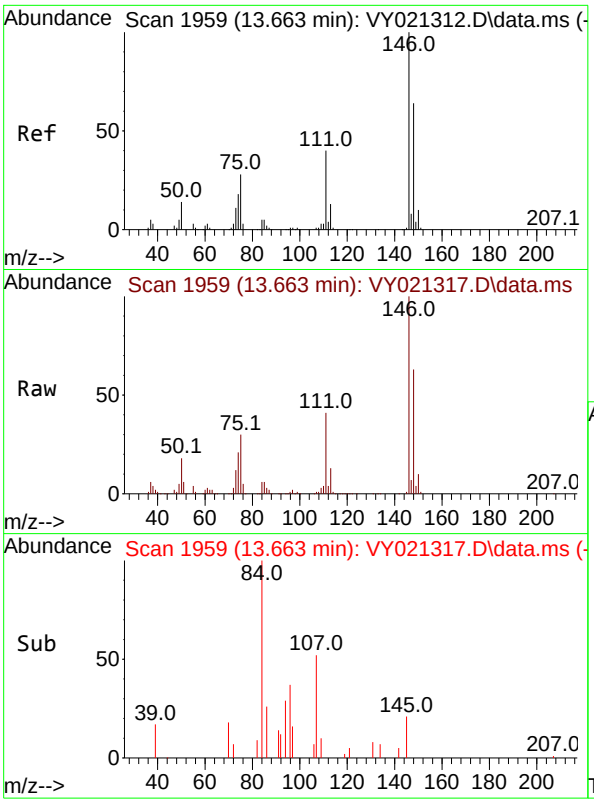


#90
Hexachloroethane
Concen: 55.035 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 98634

Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.4	115.2



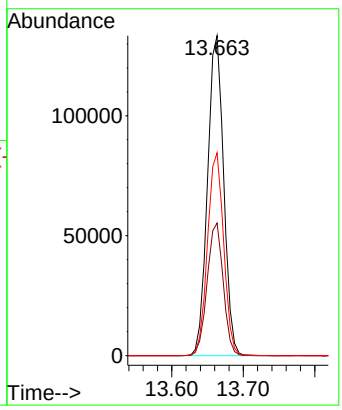


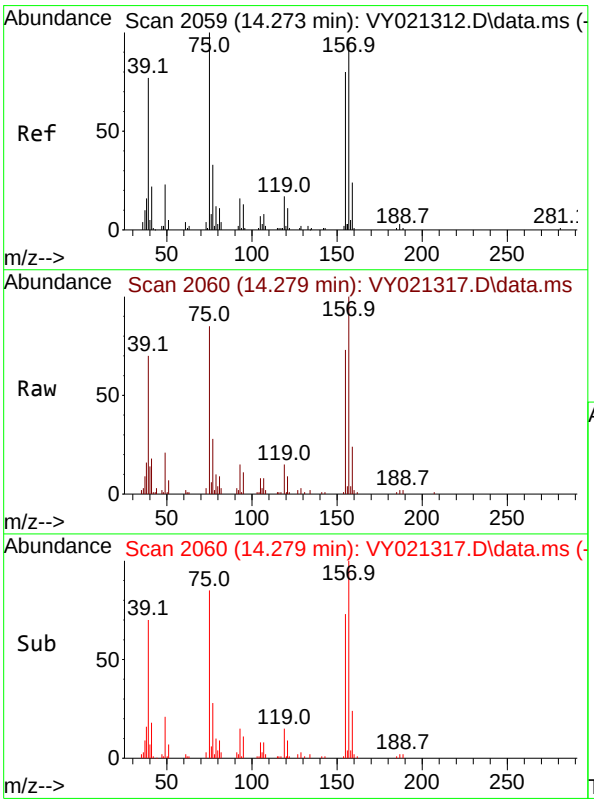
#91
1,2-Dichlorobenzene
Concen: 54.545 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:146 Resp: 208776

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.4	31.7	95.1

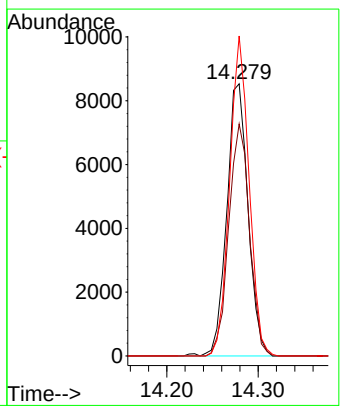


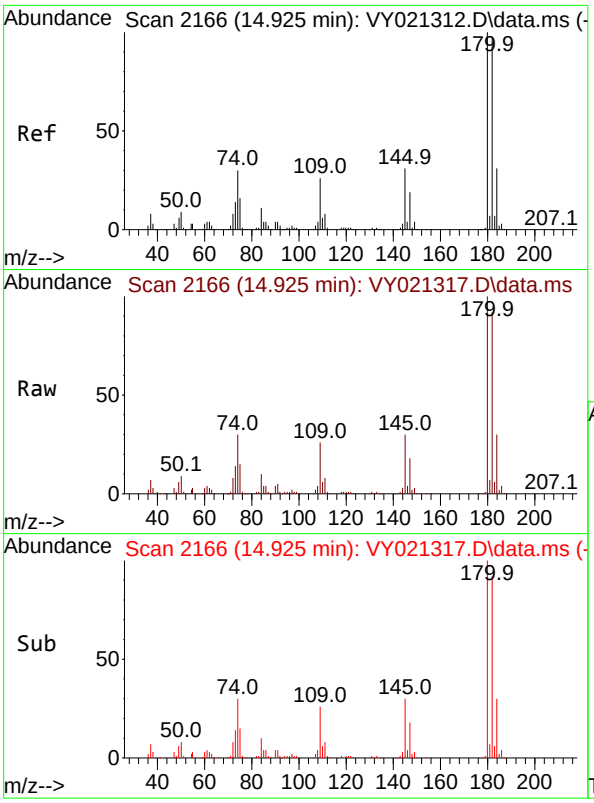


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 13821

Ion	Ratio	Lower	Upper
75	100		
155	83.0	41.9	125.6
157	107.2	52.5	157.6



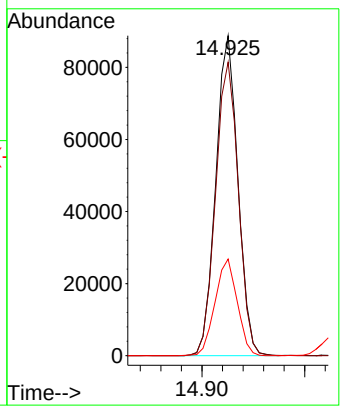


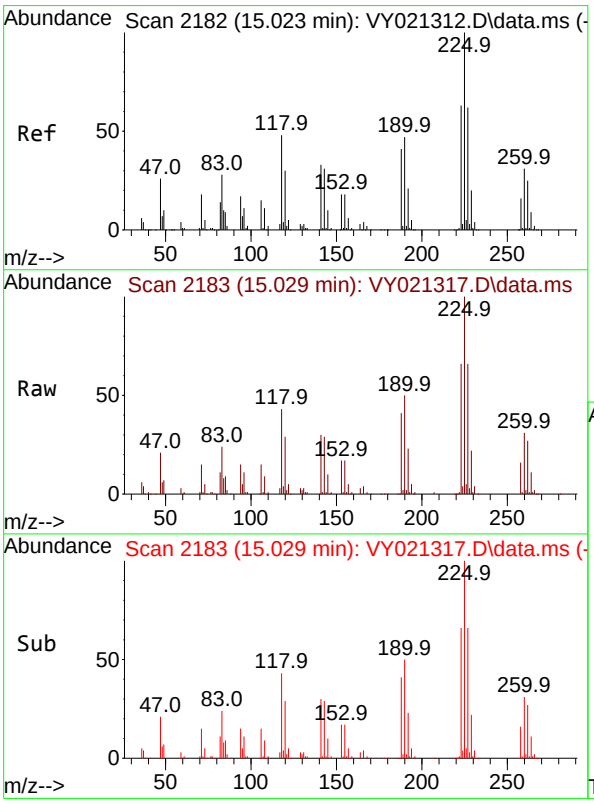
#93
1,2,4-Trichlorobenzene
Concen: 56.703 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:180 Resp: 132464

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.3	15.6	46.8

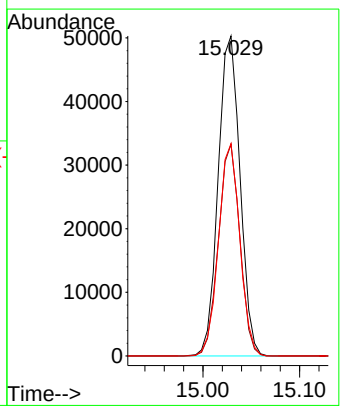


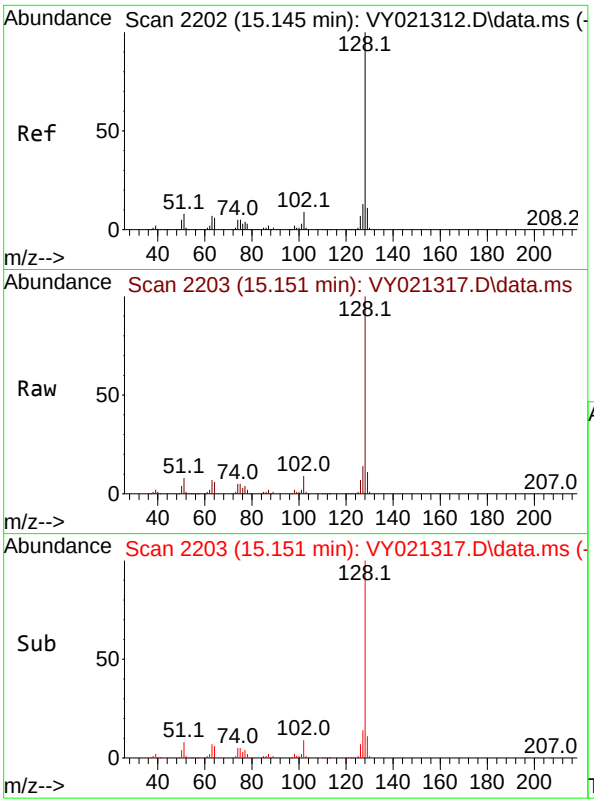


#94
Hexachlorobutadiene
Concen: 53.541 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:225 Resp: 78745

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.4
227	64.6	31.9	95.7



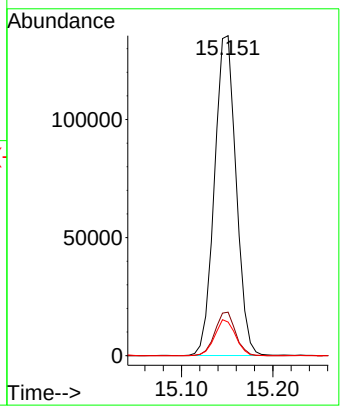


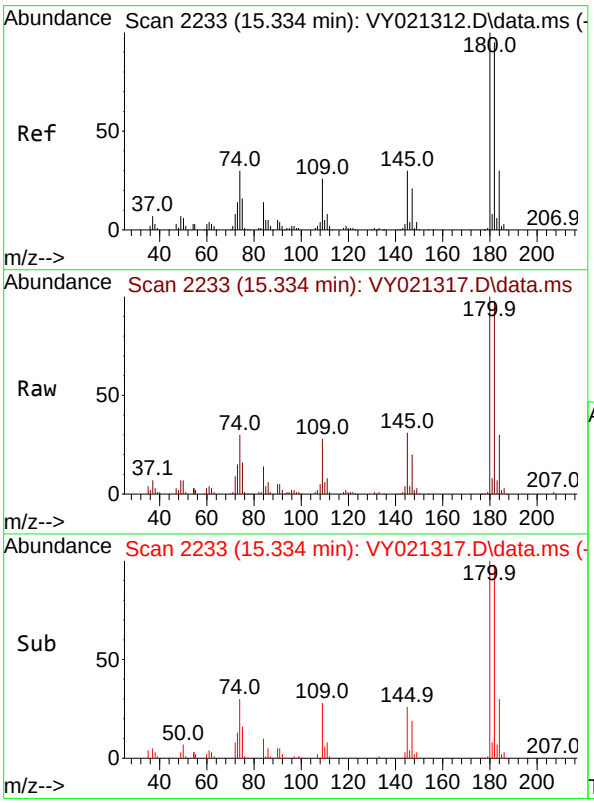
#95
Naphthalene
Concen: 57.589 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:128 Resp: 222839

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7

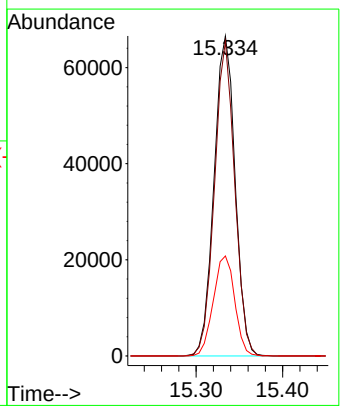




#96
1,2,3-Trichlorobenzene
Concen: 56.980 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 112466

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.9
145	31.7	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	193888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	268805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105547	47.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.980%			
35) Dibromofluoromethane	7.634	113	98654	48.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.109	98	387966	49.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.408	95	129754	49.290	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	85738	46.640	ug/l	96
3) Chloromethane	2.068	50	112705	47.473	ug/l	98
4) Vinyl Chloride	2.202	62	113710	48.798	ug/l	98
5) Bromomethane	2.598	94	71789	46.361	ug/l	99
6) Chloroethane	2.739	64	70476	48.772	ug/l	99
7) Trichlorofluoromethane	3.062	101	167868	47.701	ug/l	96
8) Diethyl Ether	3.452	74	52323	49.537	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	96104	47.169	ug/l	99
10) Methyl Iodide	4.007	142	111918	52.212	ug/l	99
11) Tert butyl alcohol	4.854	59	34212	202.221	ug/l	98
12) 1,1-Dichloroethene	3.793	96	94447	48.413	ug/l	99
13) Acrolein	3.653	56	5526	42.624	ug/l	99
14) Allyl chloride	4.385	41	173778	50.242	ug/l	98
15) Acrylonitrile	5.061	53	112963	241.892	ug/l	99
16) Acetone	3.867	43	109810	260.267	ug/l	100
17) Carbon Disulfide	4.110	76	315561	48.712	ug/l	100
18) Methyl Acetate	4.385	43	49846	48.342	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	253623	49.206	ug/l	99
20) Methylene Chloride	4.616	84	103268	45.263	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	104607	48.708	ug/l	99
22) Diisopropyl ether	6.019	45	361038	50.442	ug/l	98
23) Vinyl Acetate	5.958	43	1065848	249.197	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197949	49.069	ug/l	98
25) 2-Butanone	6.890	43	157281	246.999	ug/l	98
26) 2,2-Dichloropropane	6.890	77	180065	49.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	122751	50.053	ug/l	99
28) Bromochloromethane	7.244	49	84337	47.247	ug/l	98
29) Tetrahydrofuran	7.262	42	99242	238.435	ug/l	100
30) Chloroform	7.421	83	201334	49.253	ug/l	99
31) Cyclohexane	7.701	56	178746	46.094	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	181553	48.795	ug/l	98
36) 1,1-Dichloropropene	7.835	75	146702	48.254	ug/l	100
37) Ethyl Acetate	6.982	43	72710	48.080	ug/l	100
38) Carbon Tetrachloride	7.817	117	165430	48.402	ug/l	98
39) Methylcyclohexane	9.109	83	178508	46.422	ug/l	97
40) Benzene	8.079	78	436709	48.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	36160	42.766	ug/l		91
42) 1,2-Dichloroethane	8.158	62	122335	47.978	ug/l		99
43) Isopropyl Acetate	8.195	43	140455	47.984	ug/l		99
44) Trichloroethene	8.866	130	109499	48.665	ug/l		100
45) 1,2-Dichloropropane	9.140	63	105190	48.637	ug/l		100
46) Dibromomethane	9.231	93	56977	48.195	ug/l		99
47) Bromodichloromethane	9.427	83	152416	48.352	ug/l		99
48) Methyl methacrylate	9.219	41	66362	48.481	ug/l		98
49) 1,4-Dioxane	9.231	88	12417	944.605	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	360891	240.853	ug/l		100
52) Toluene	10.170	92	275527	49.351	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	144366	49.988	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	167718	49.192	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72899	47.334	ug/l		98
56) Ethyl methacrylate	10.439	69	108485	50.979	ug/l		100
57) 1,3-Dichloropropane	10.719	76	132919	49.183	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	239640	234.614	ug/l		100
59) 2-Hexanone	10.762	43	245501	249.476	ug/l		99
60) Dibromochloromethane	10.908	129	102499	48.867	ug/l		100
61) 1,2-Dibromoethane	11.018	107	69304	47.532	ug/l		98
64) Tetrachloroethene	10.646	164	96416	47.455	ug/l		98
65) Chlorobenzene	11.444	112	293397	48.625	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	104152	49.295	ug/l		100
67) Ethyl Benzene	11.518	91	530215	49.609	ug/l		99
68) m/p-Xylenes	11.627	106	395166	98.298	ug/l		99
69) o-Xylene	11.957	106	187084	49.676	ug/l		98
70) Styrene	11.969	104	316002	50.431	ug/l		100
71) Bromoform	12.133	173	58316	48.247	ug/l	#	99
73) Isopropylbenzene	12.255	105	493694	49.774	ug/l		99
74) N-amyl acetate	12.072	43	128988	51.162	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	84288	48.150	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	113156	85.685	ug/l	#	100
77) Bromobenzene	12.536	156	114266	49.529	ug/l		99
78) n-propylbenzene	12.597	91	595911	49.510	ug/l		100
79) 2-Chlorotoluene	12.682	91	339722	49.181	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	403527	49.604	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29544	49.724	ug/l		99
82) 4-Chlorotoluene	12.780	91	353786	49.408	ug/l		99
83) tert-Butylbenzene	12.999	119	358344	48.765	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	403288	49.846	ug/l		100
85) sec-Butylbenzene	13.176	105	515970	48.069	ug/l		100
86) p-Isopropyltoluene	13.292	119	435539	48.594	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	221110	48.450	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	215487	47.797	ug/l		100
89) n-Butylbenzene	13.621	91	408995	48.491	ug/l		100
90) Hexachloroethane	13.883	117	88564	47.306	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	193750	48.457	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13100	47.306	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	116572	47.769	ug/l		99
94) Hexachlorobutadiene	15.029	225	70063	45.603	ug/l		99
95) Naphthalene	15.145	128	205892	50.937	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	98515	47.779	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
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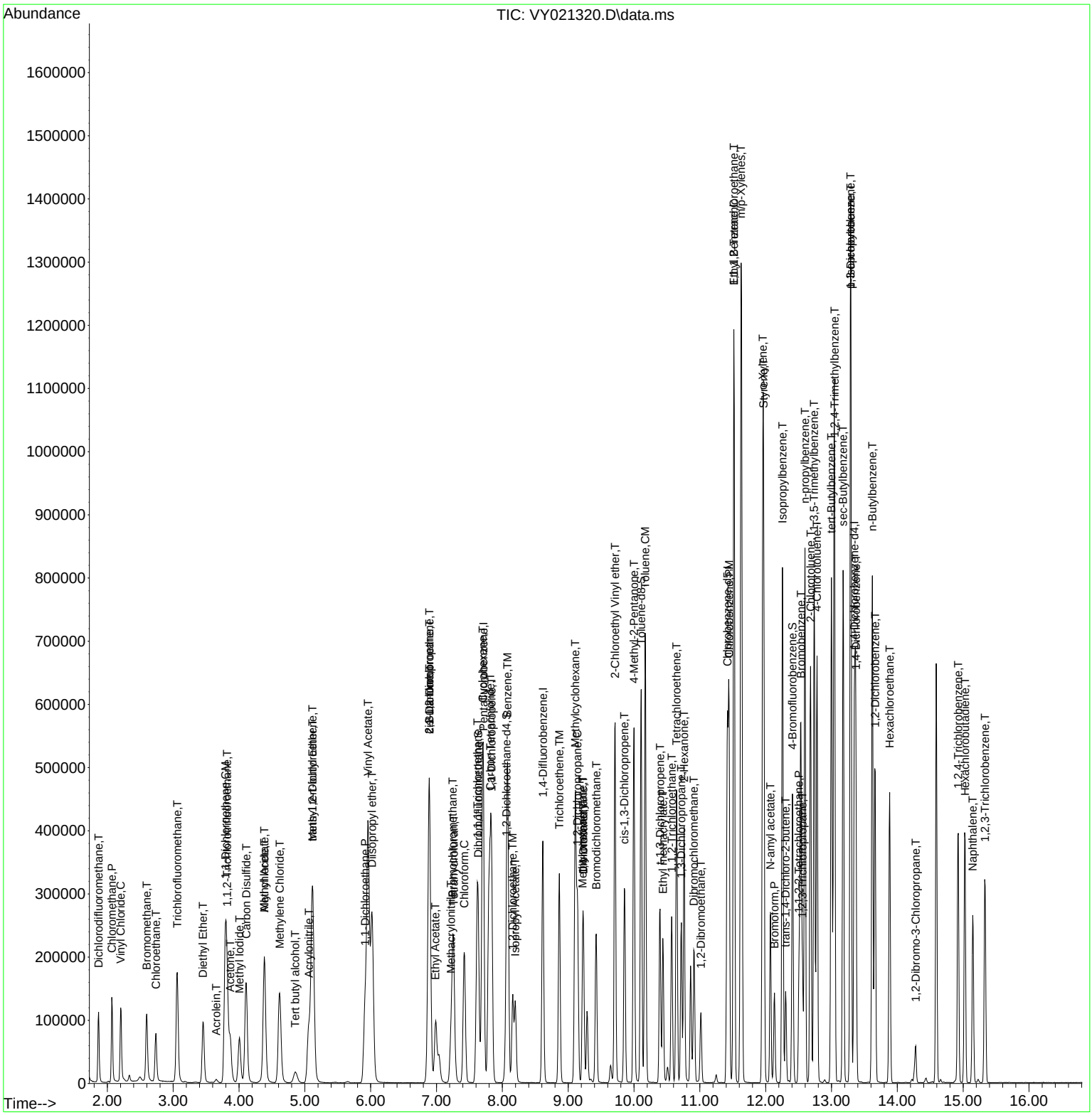
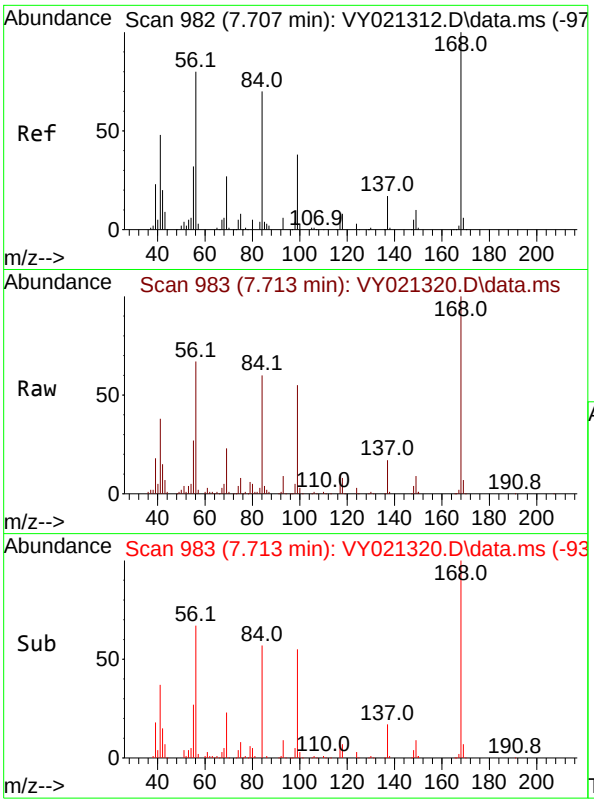
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



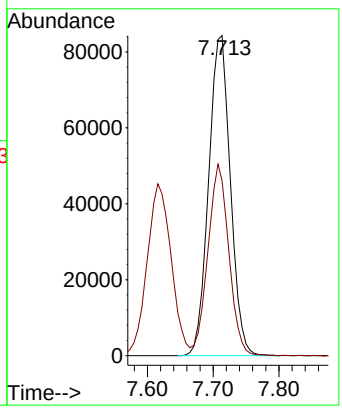


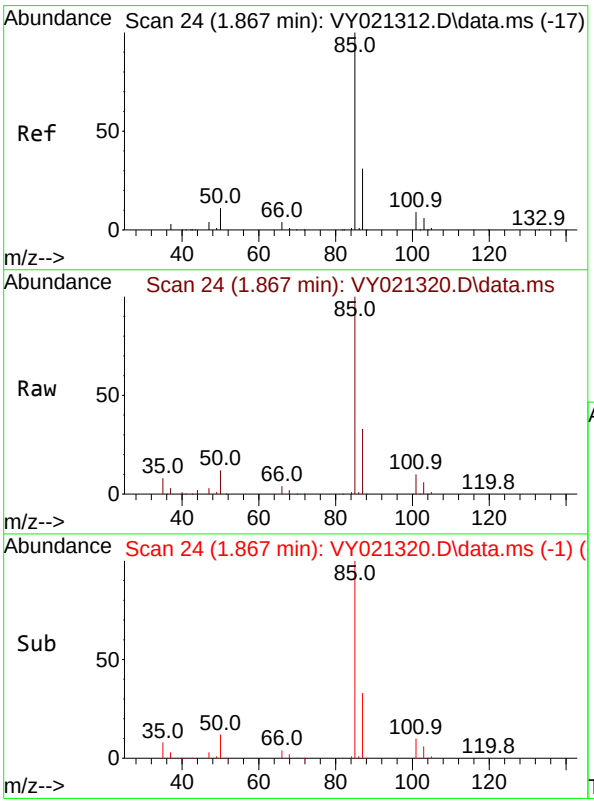
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 193888

Ion	Ratio	Lower	Upper
168	100		
99	54.7	47.1	70.7

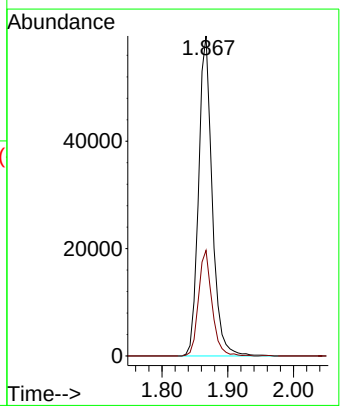


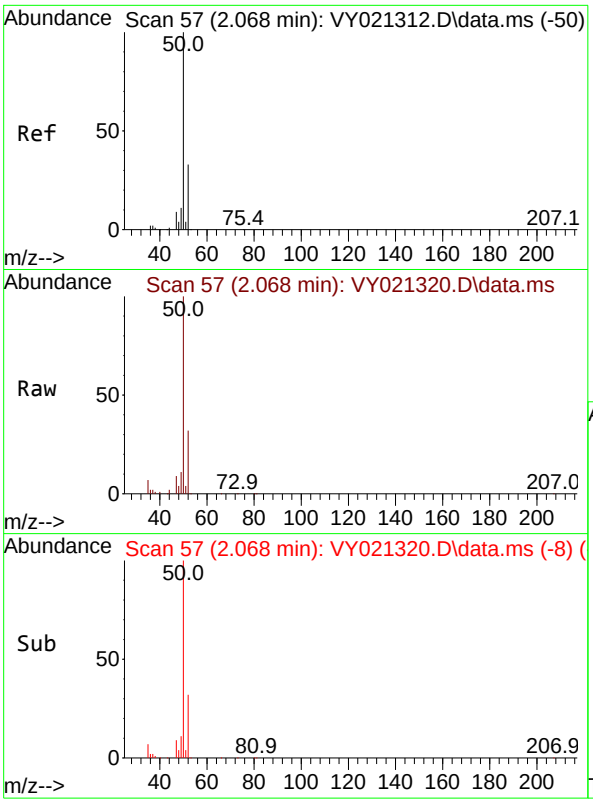


#2
Dichlorodifluoromethane
Concen: 46.640 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 85 Resp: 85738

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4



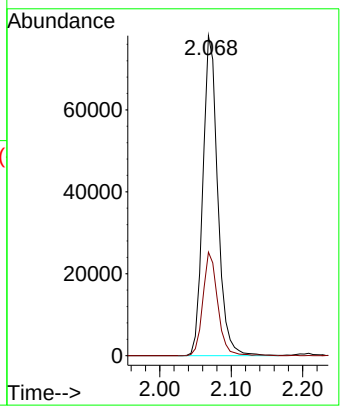


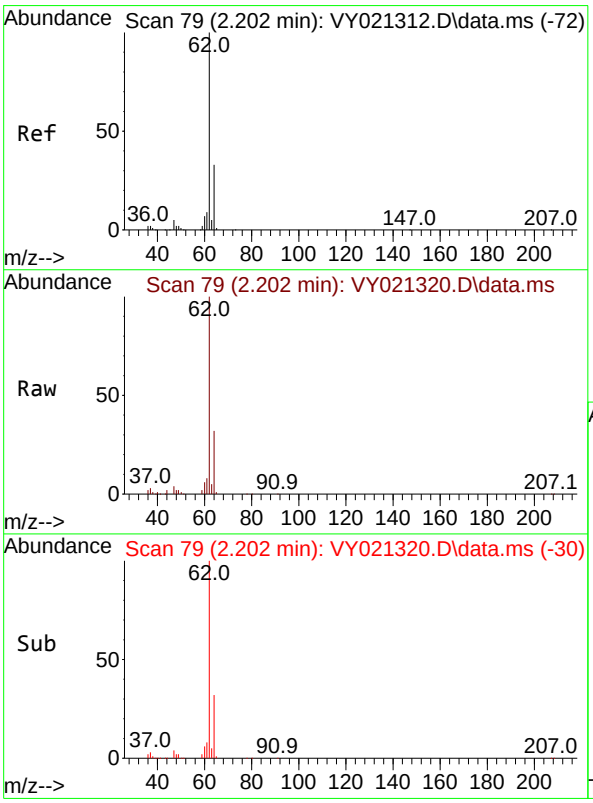
#3
Chloromethane
Concen: 47.473 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 112705

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.6	40.0

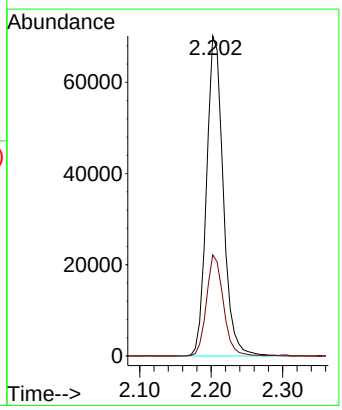


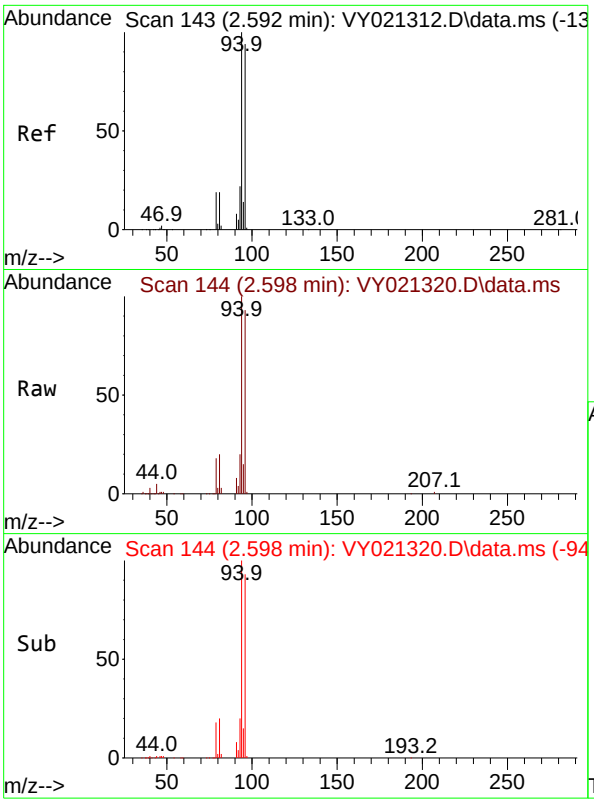


#4
Vinyl Chloride
Concen: 48.798 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 113710

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.3	39.5



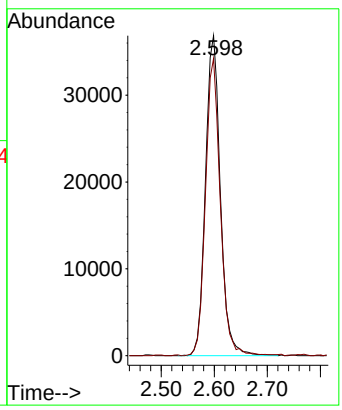


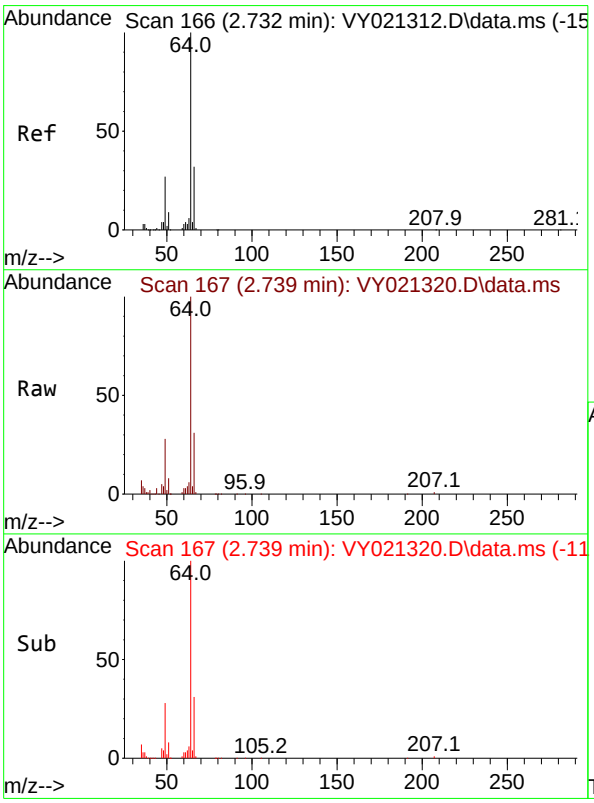
#5
Bromomethane
Concen: 46.361 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 71789

Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.2	112.8

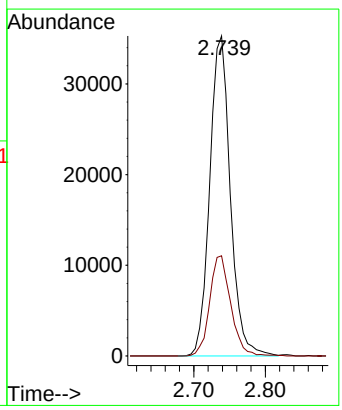


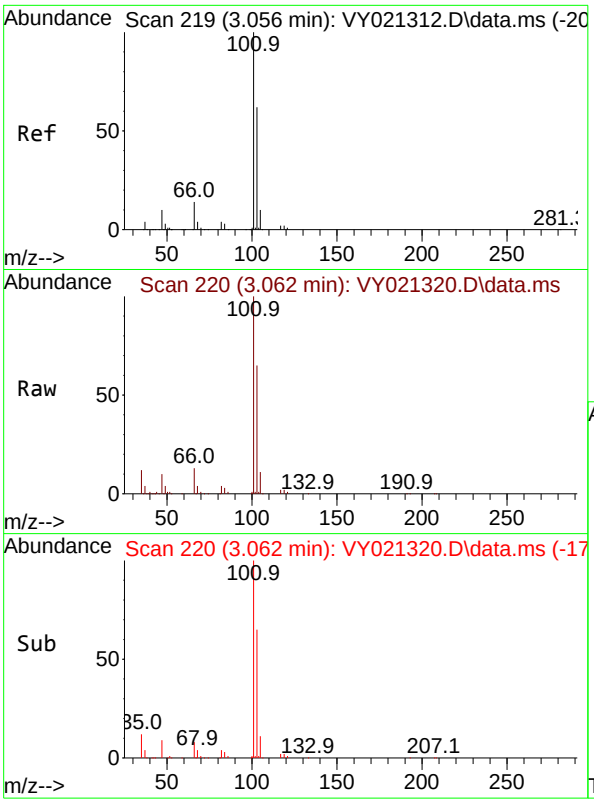


#6
Chloroethane
Concen: 48.772 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 64 Resp: 70476

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.4	38.0



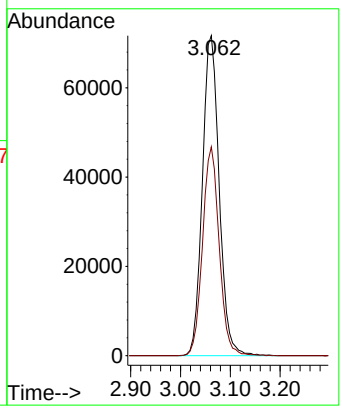


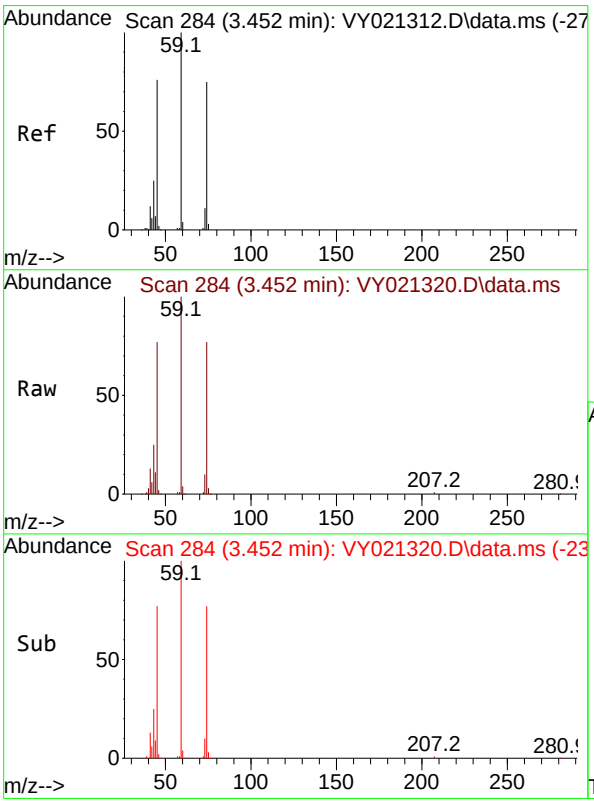
#7
Trichlorofluoromethane
Concen: 47.701 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 167868

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5

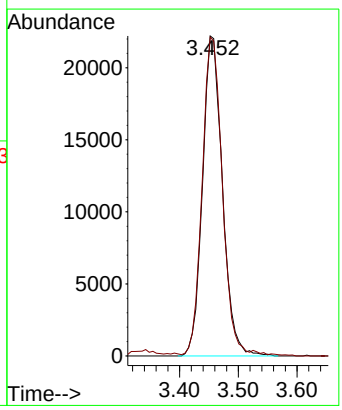


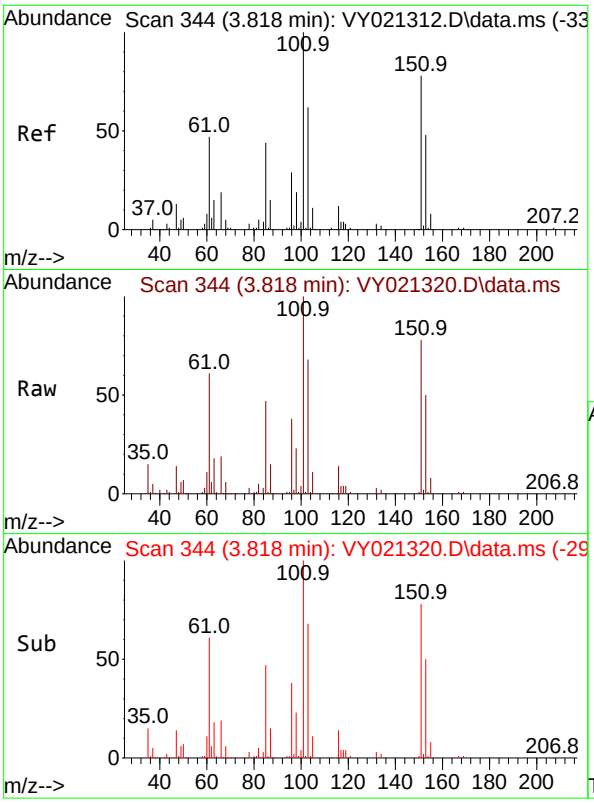


#8
Diethyl Ether
Concen: 49.537 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 74 Resp: 52323

Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.3	150.9



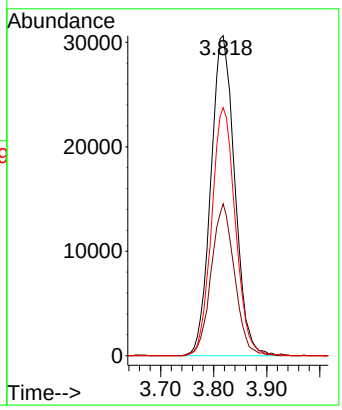


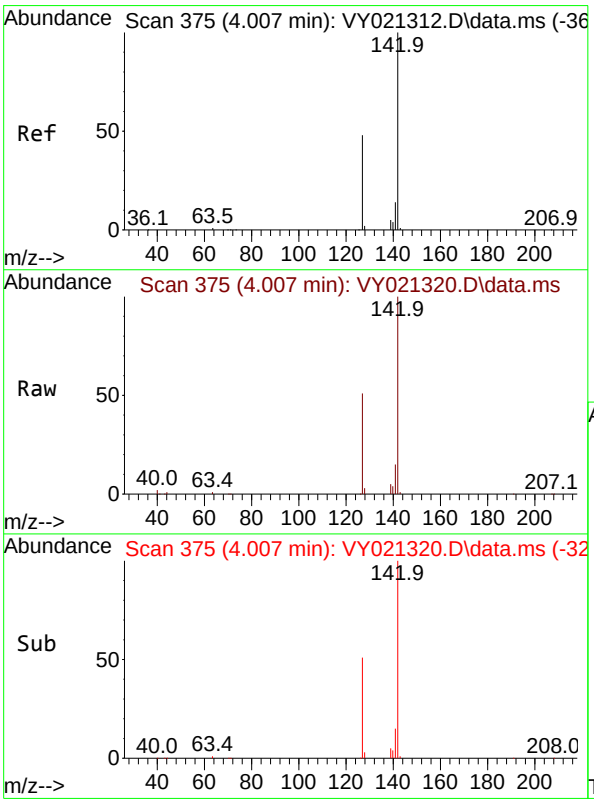
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.169 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96104

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	77.0	62.6	94.0

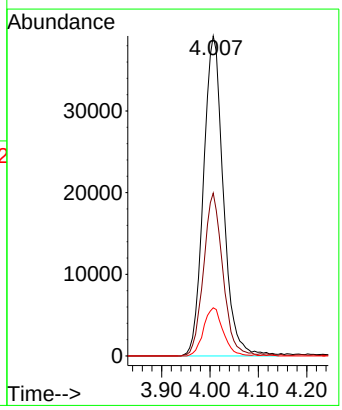


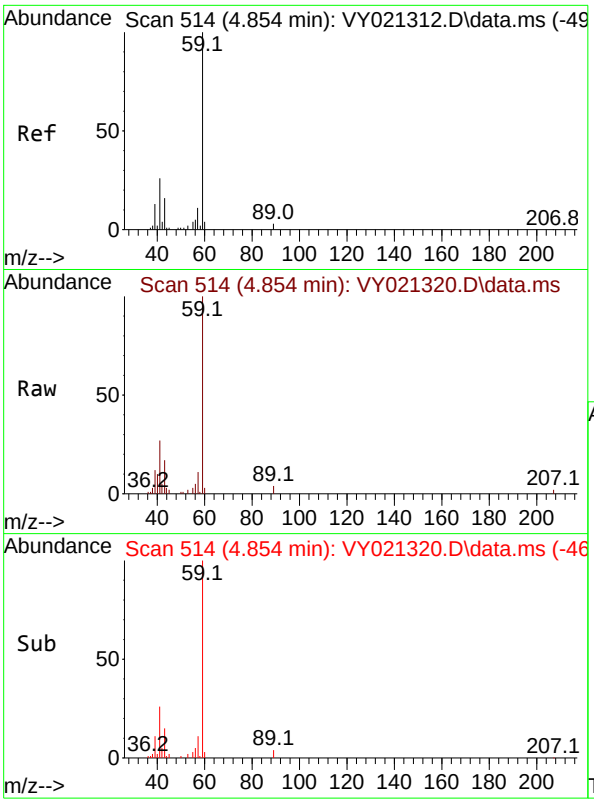


#10
Methyl Iodide
Concen: 52.212 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:142 Resp: 111918

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2



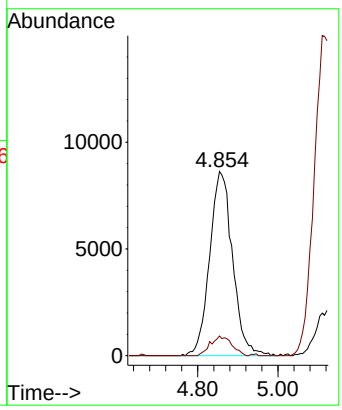


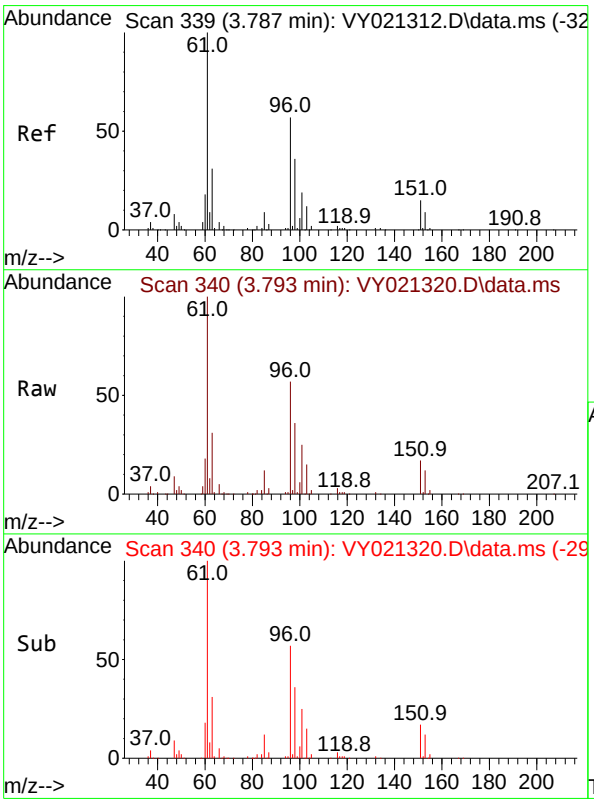
#11
Tert butyl alcohol
Concen: 202.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 34212

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

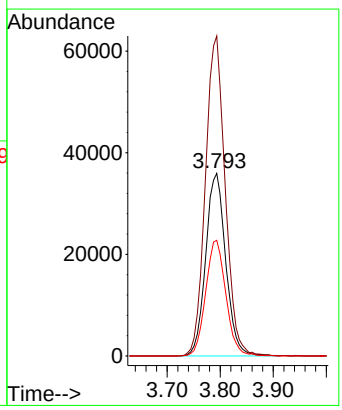


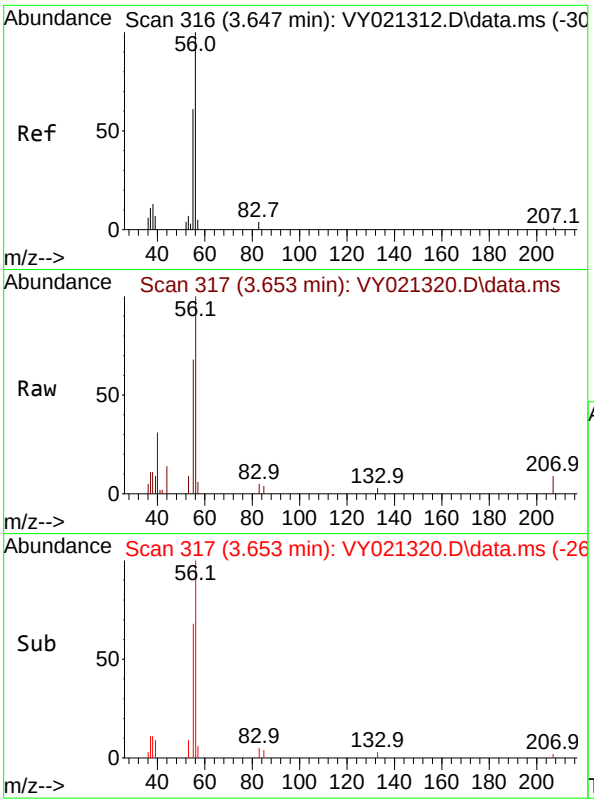


#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 94447

Ion	Ratio	Lower	Upper
96	100		
61	175.2	139.7	209.5
98	63.3	49.7	74.5



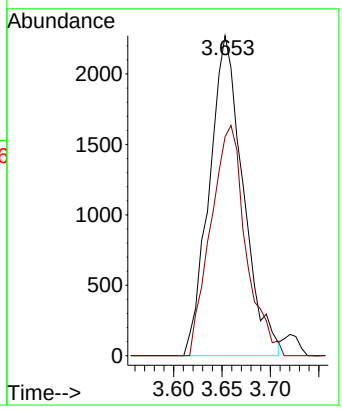


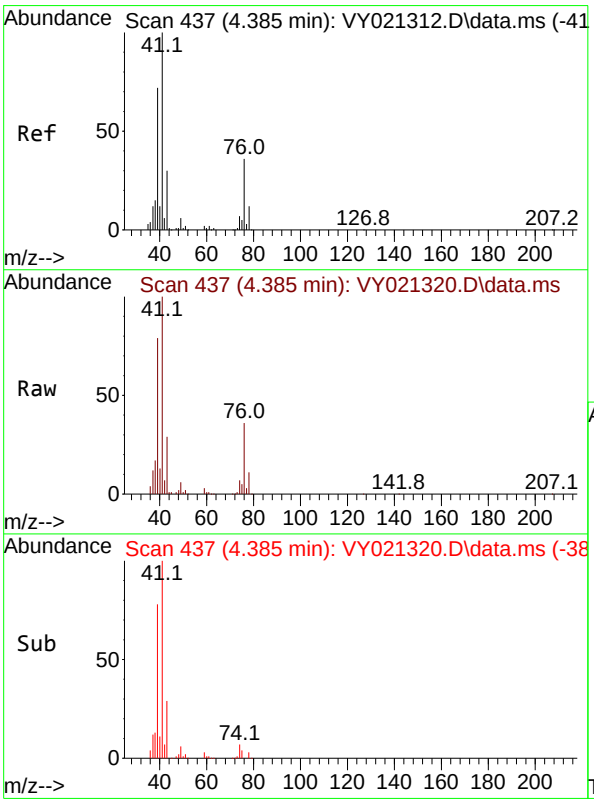
#13
Acrolein
Concen: 42.624 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 5526

Ion	Ratio	Lower	Upper
56	100		
55	74.4	59.0	88.6

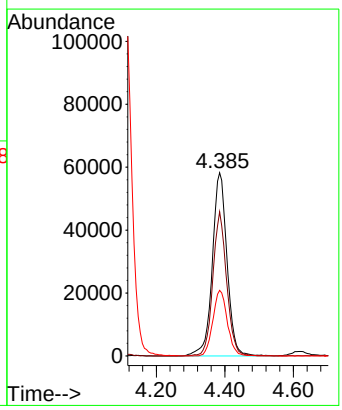


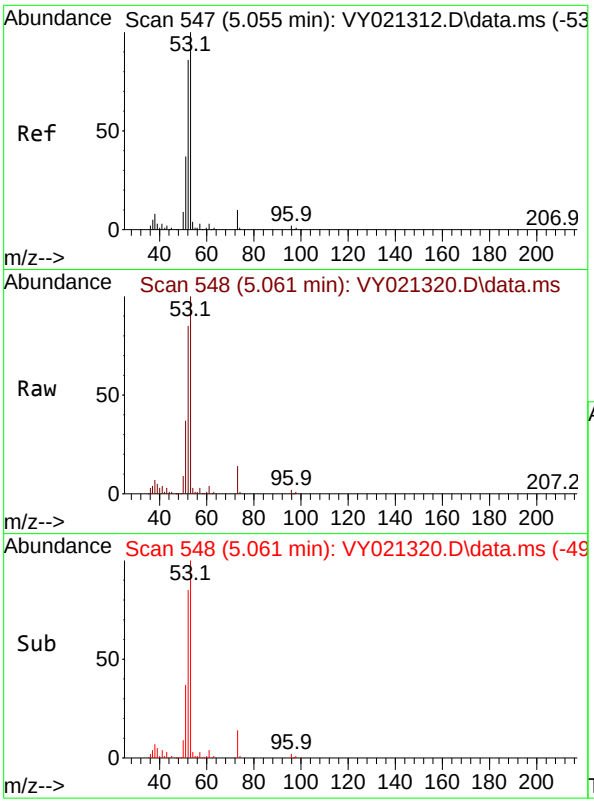


#14
Allyl chloride
Concen: 50.242 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 173778

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.0	90.0
76	35.2	29.0	43.6



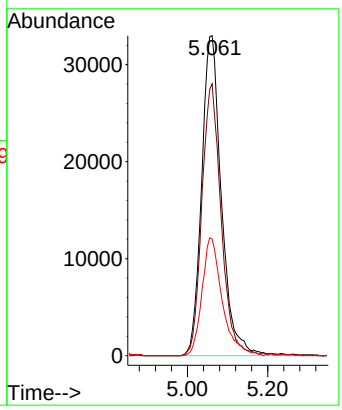


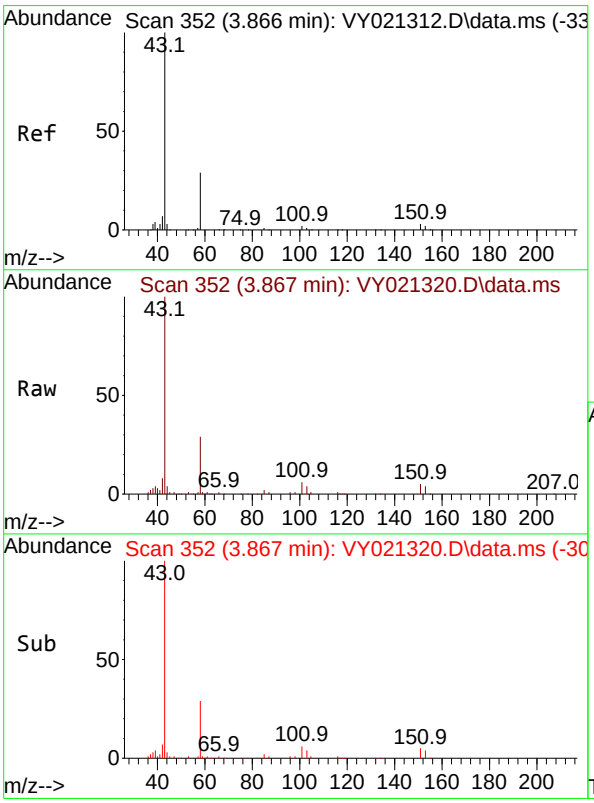
#15
Acrylonitrile
Concen: 241.892 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 112963

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.7	30.6	46.0

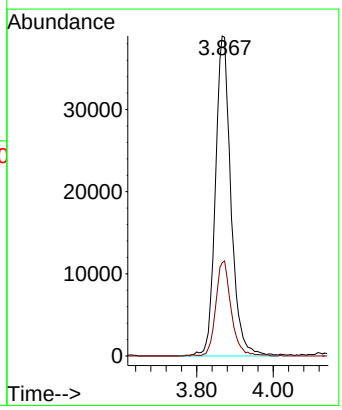


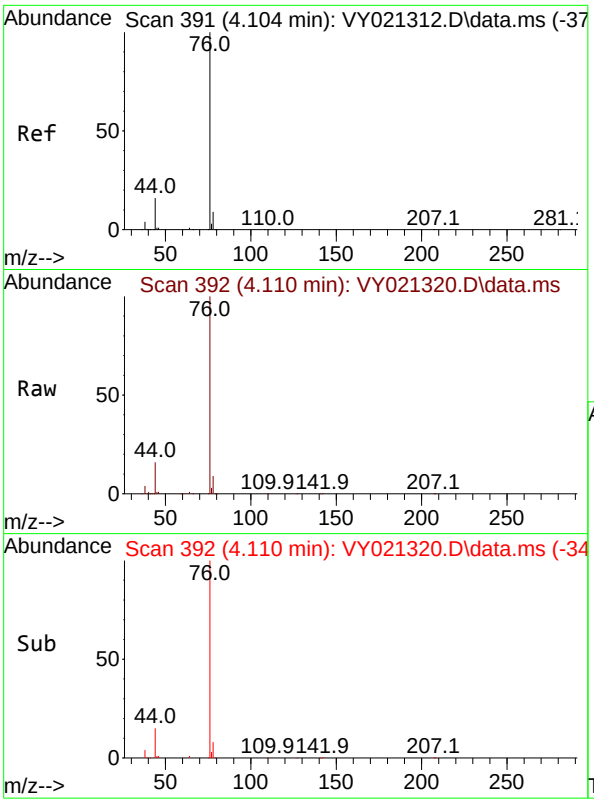


#16
Acetone
Concen: 260.267 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 109810

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.5	35.3



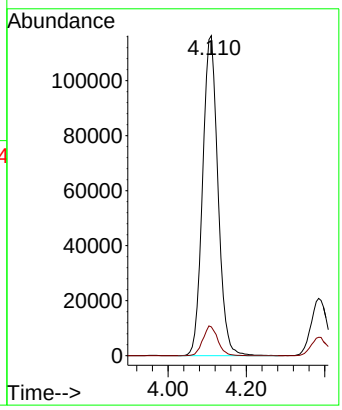


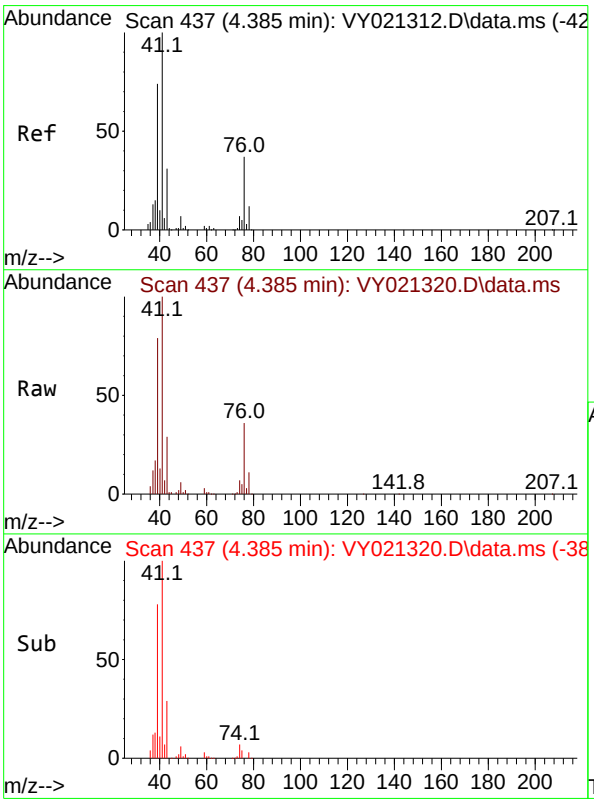
#17
Carbon Disulfide
Concen: 48.712 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 315561

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

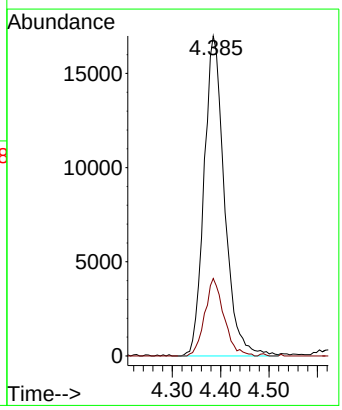


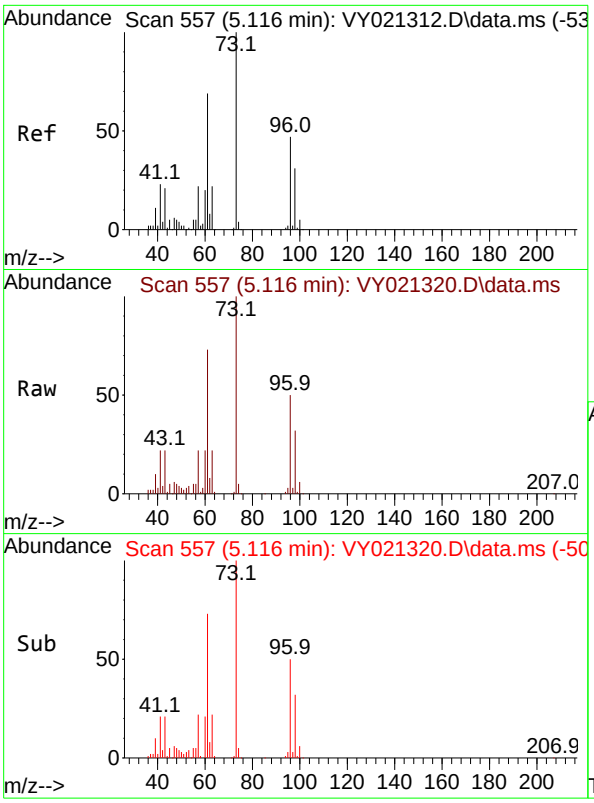


#18
Methyl Acetate
Concen: 48.342 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 49846

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5



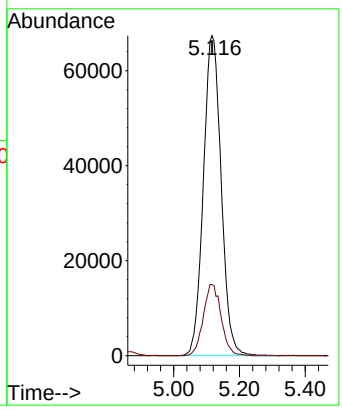


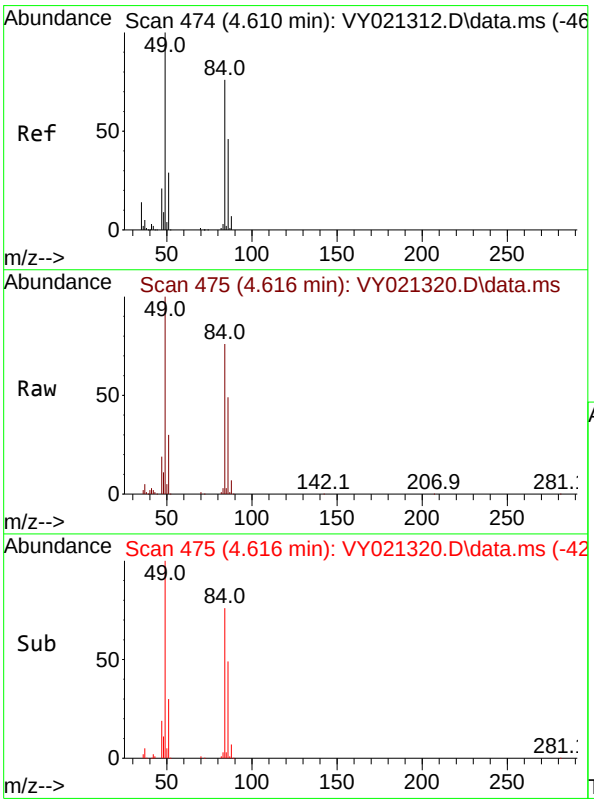
#19
Methyl tert-butyl Ether
Concen: 49.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 253623

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0

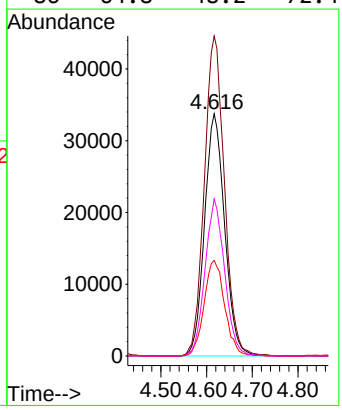


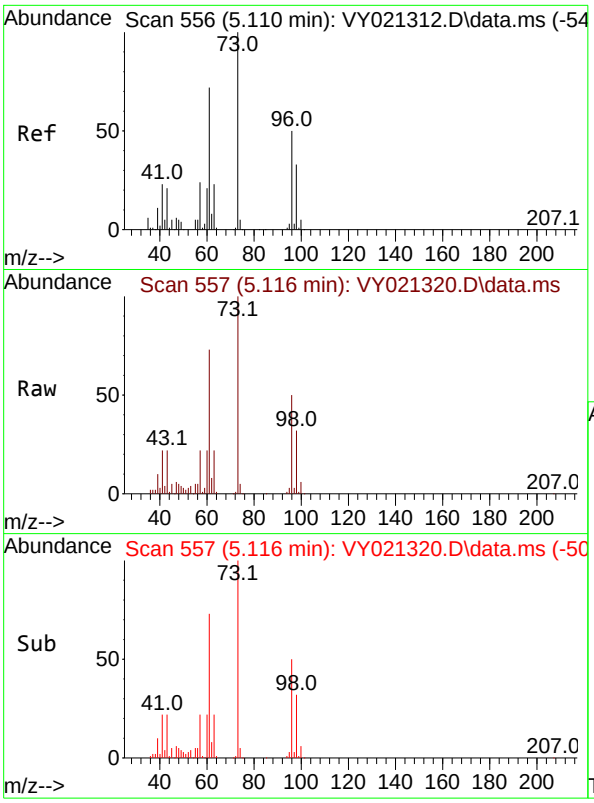


#20
Methylene Chloride
Concen: 45.263 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 84 Resp: 103268

Ion	Ratio	Lower	Upper
84	100		
49	132.1	105.1	157.7
51	39.5	31.0	46.4
86	64.8	48.2	72.4



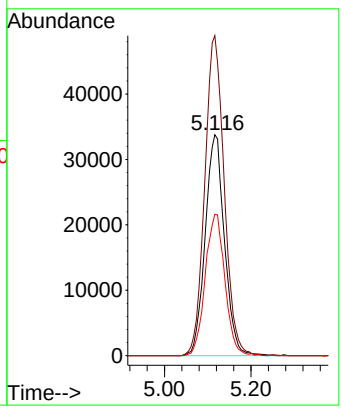


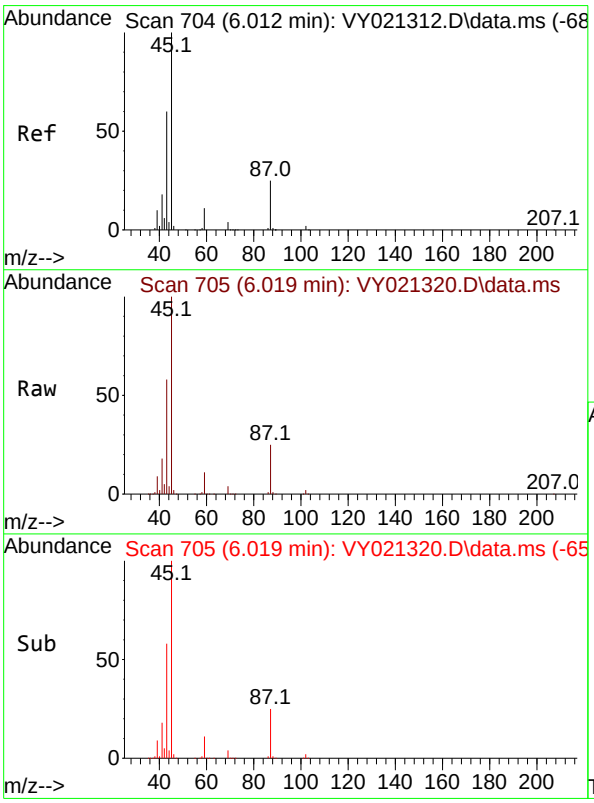
#21
trans-1,2-Dichloroethene
Concen: 48.708 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 104607

Ion	Ratio	Lower	Upper
96	100		
61	144.8	116.3	174.5
98	64.0	52.6	78.8

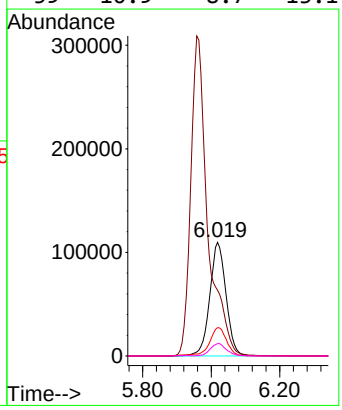


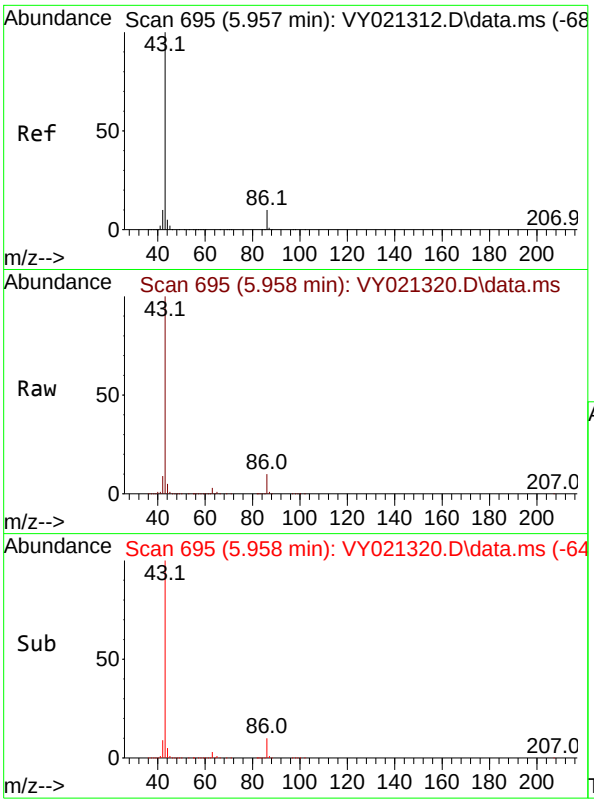


#22
Diisopropyl ether
Concen: 50.442 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 45 Resp: 361038

Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.2	72.4
87	24.9	20.3	30.5
59	10.9	8.7	13.1



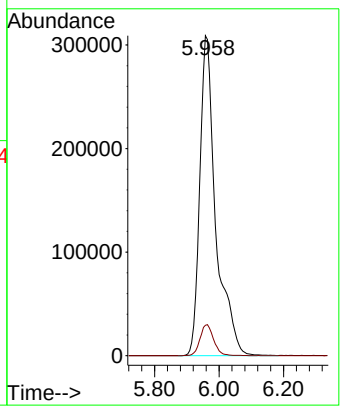


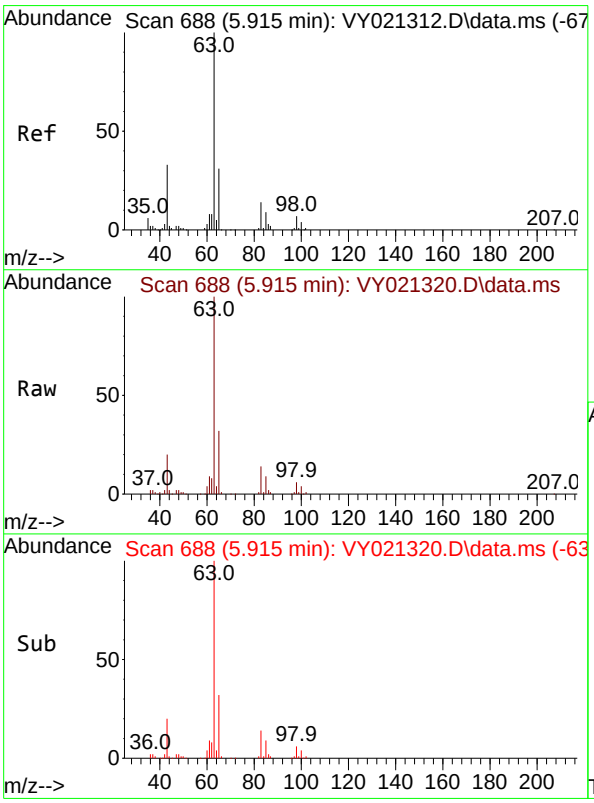
#23
Vinyl Acetate
Concen: 249.197 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1065848

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0

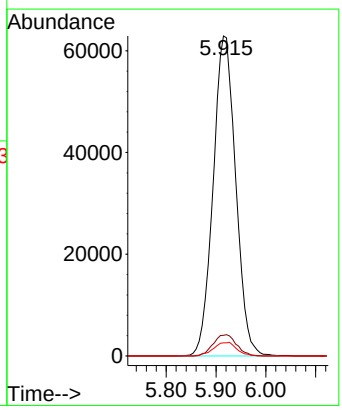


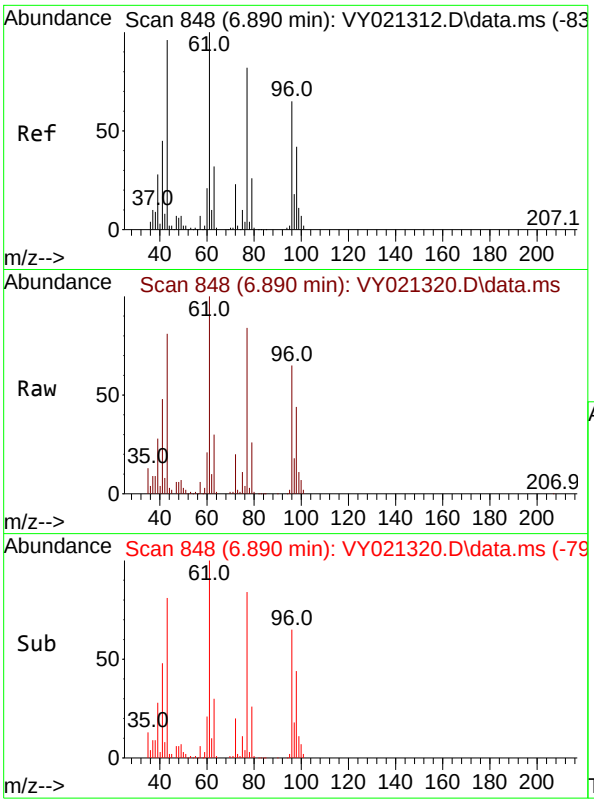


#24
1,1-Dichloroethane
Concen: 49.069 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 197949

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5



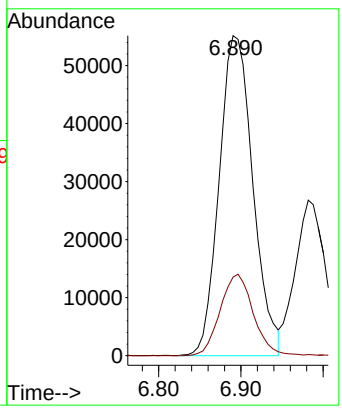


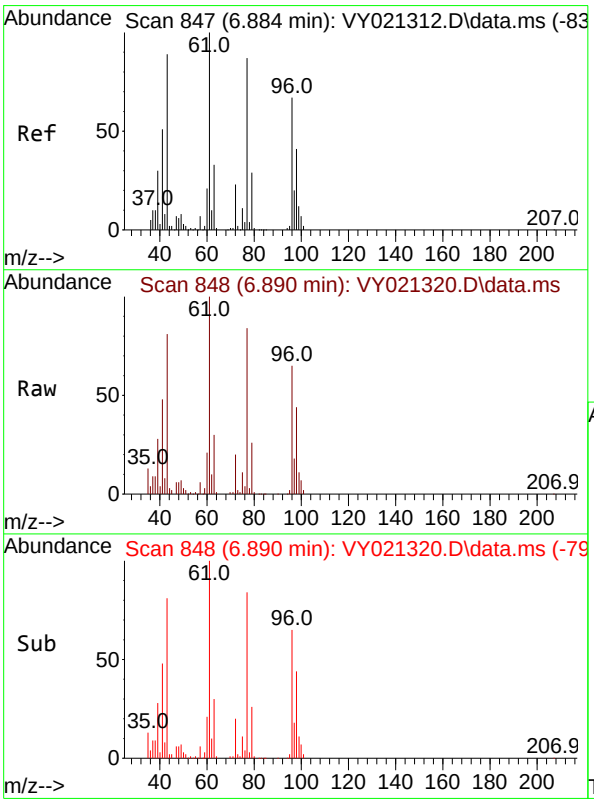
#25
2-Butanone
Concen: 246.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 157281

Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.0	28.6

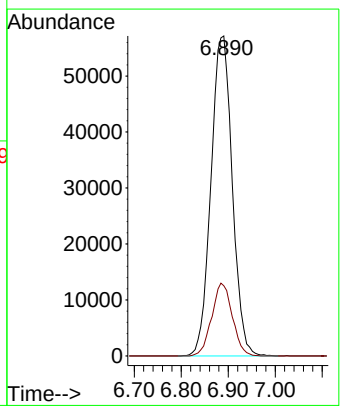


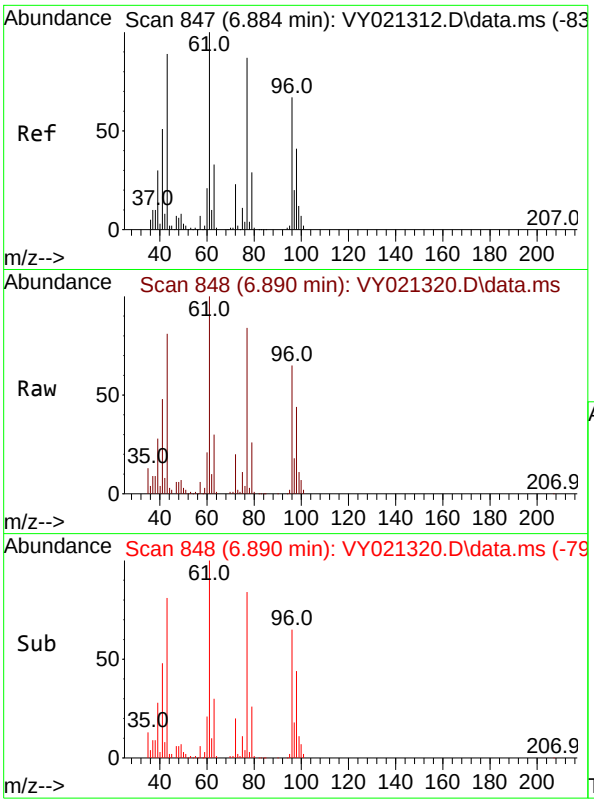


#26
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 77 Resp: 180065

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7



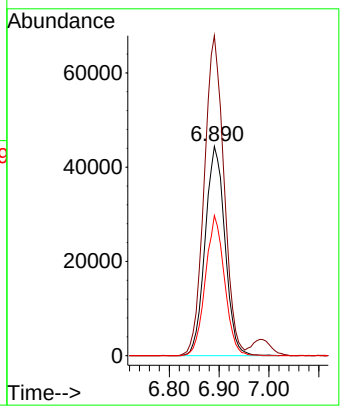


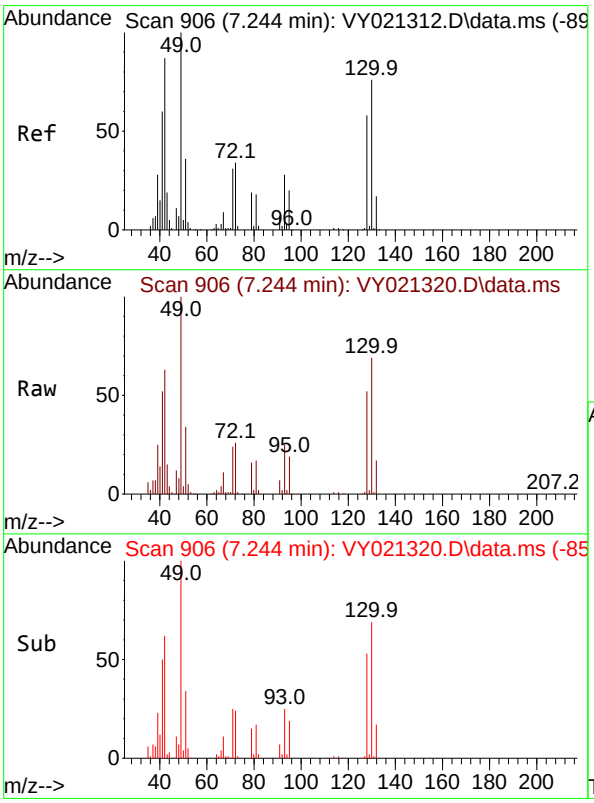
#27
cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 122751

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	64.6	0.0	129.6

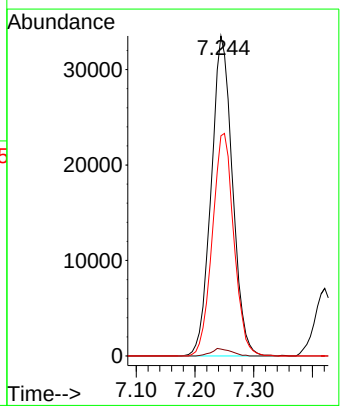


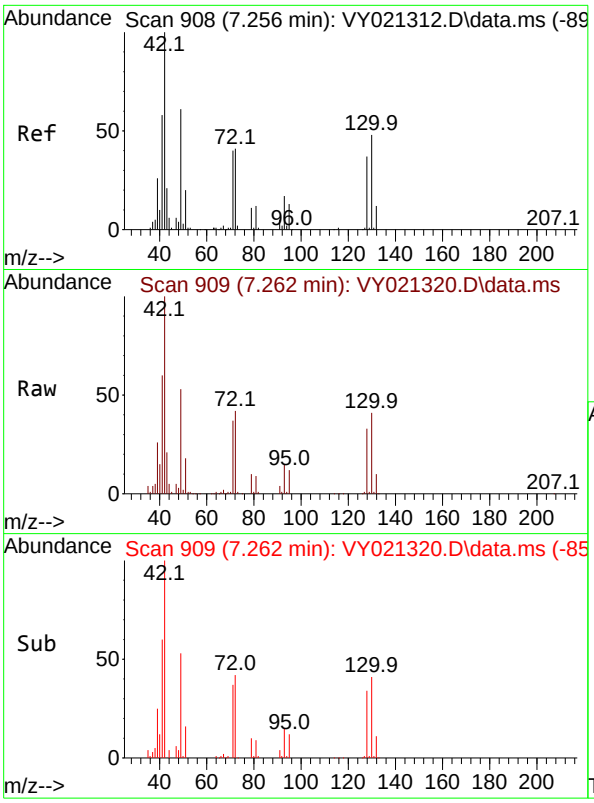


#28
Bromochloromethane
Concen: 47.247 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 49 Resp: 84337

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	70.3	57.8	86.6



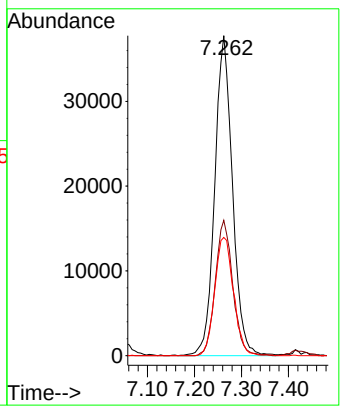


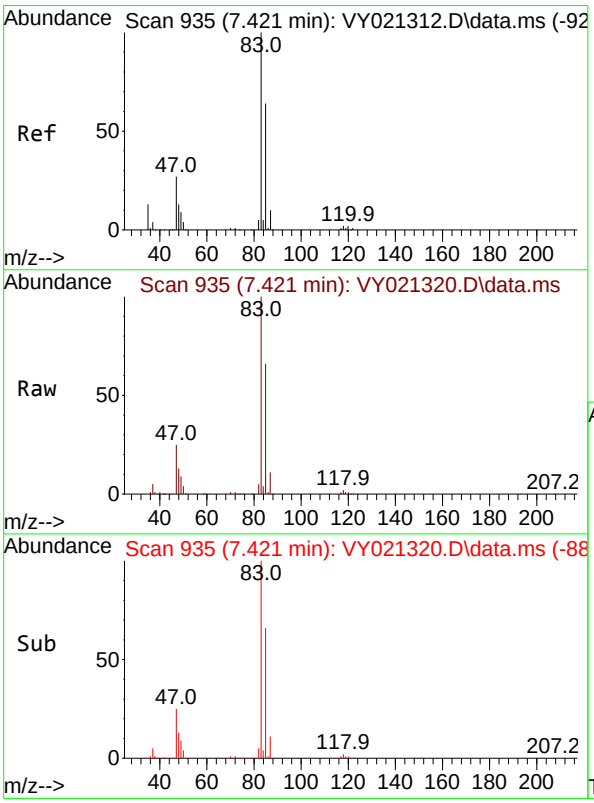
#29
Tetrahydrofuran
Concen: 238.435 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 99242

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	39.1	31.4	47.0

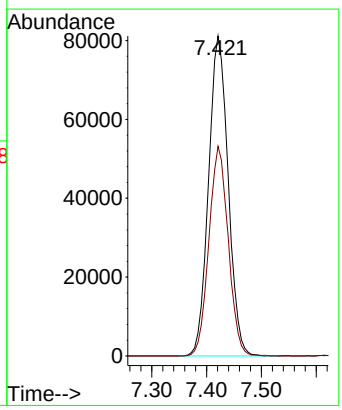


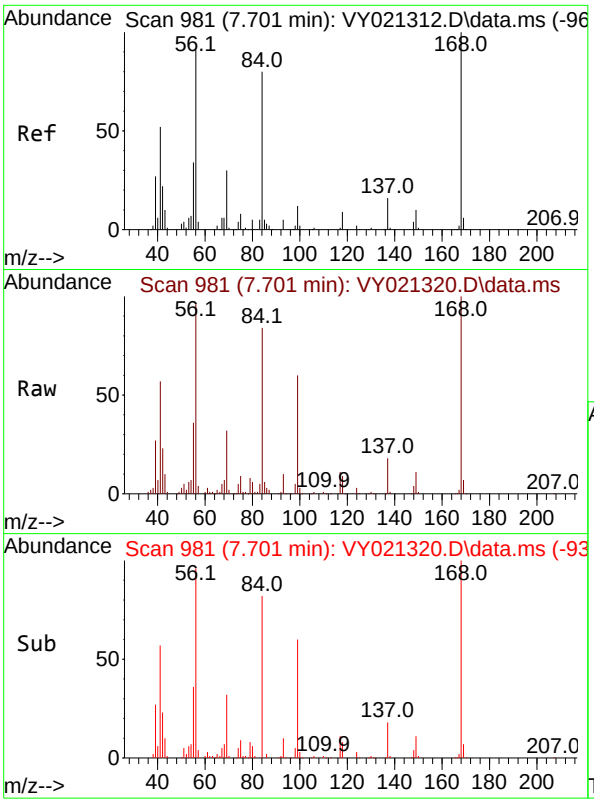


#30
Chloroform
Concen: 49.253 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 201334

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4



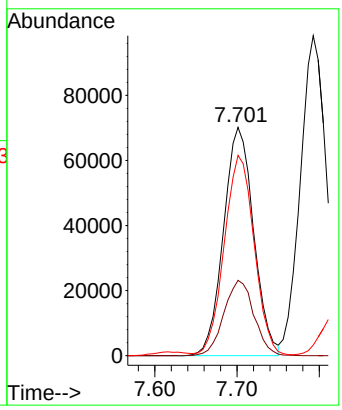


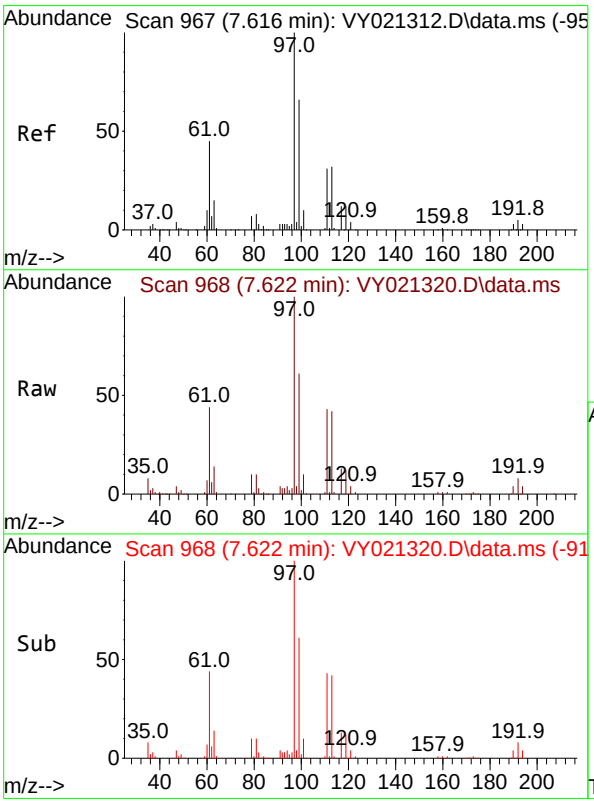
#31
Cyclohexane
Concen: 46.094 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 178746

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	86.1	70.2	105.4

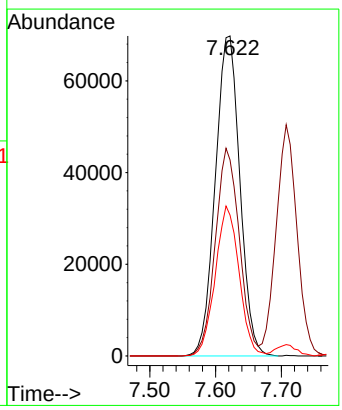


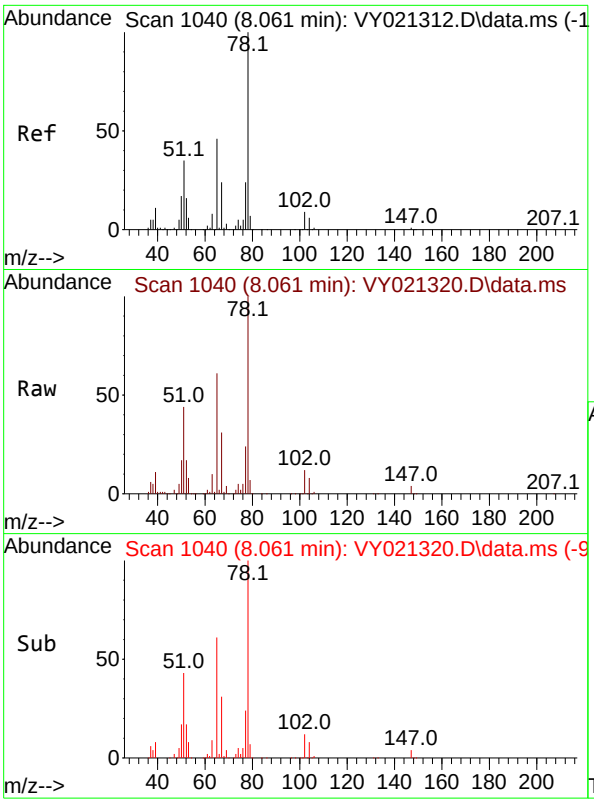


#32
1,1,1-Trichloroethane
Concen: 48.795 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 181553

Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	45.6	36.2	54.2



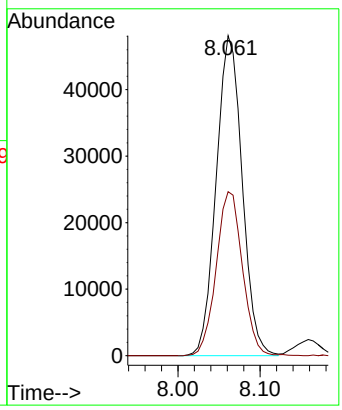


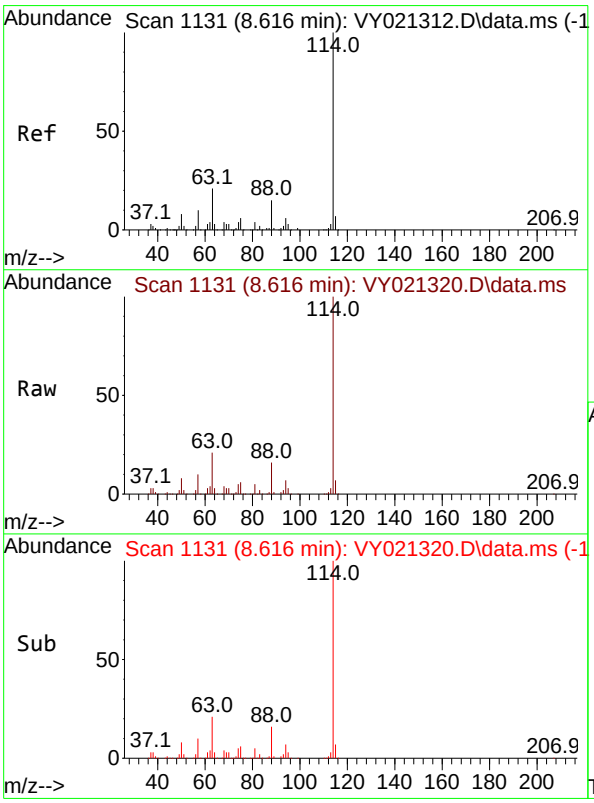
#33
1,2-Dichloroethane-d4
Concen: 47.987 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 105547

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

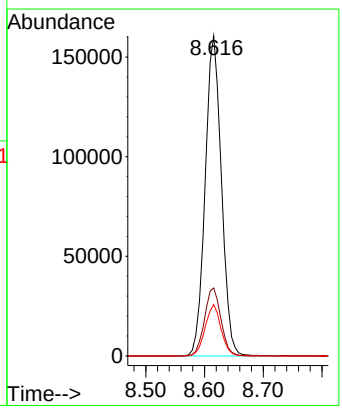


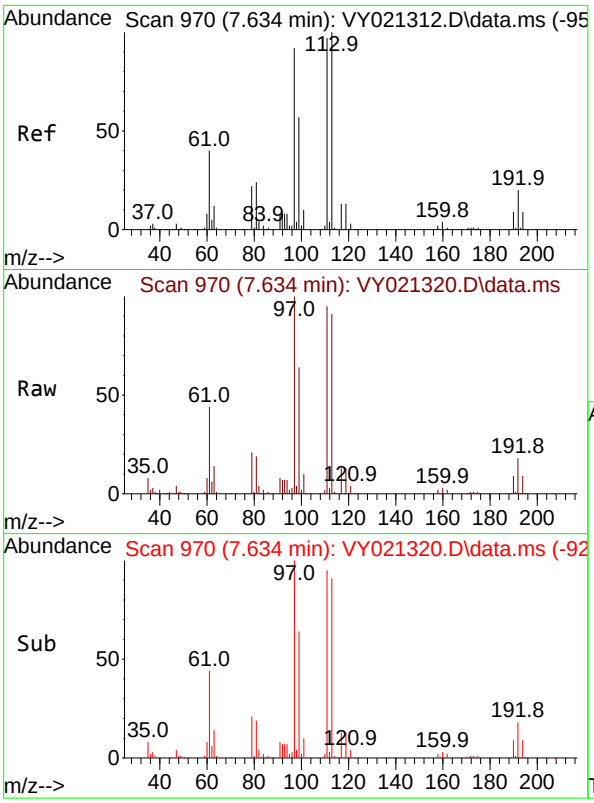


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:114 Resp: 308714

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.2
88	16.0	0.0	29.8



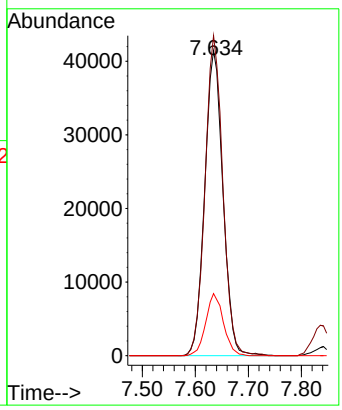


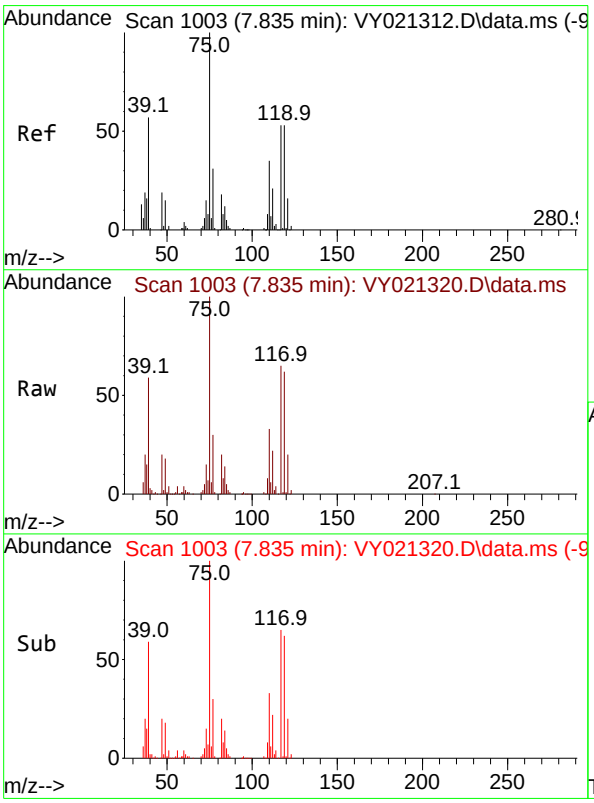
#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 98654

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.6
192	19.8	15.8	23.8

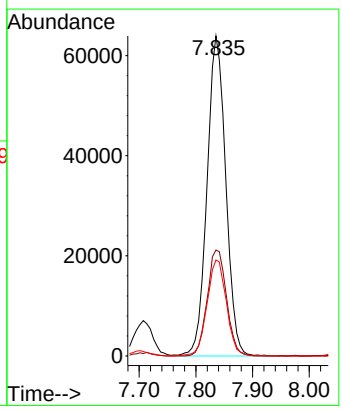


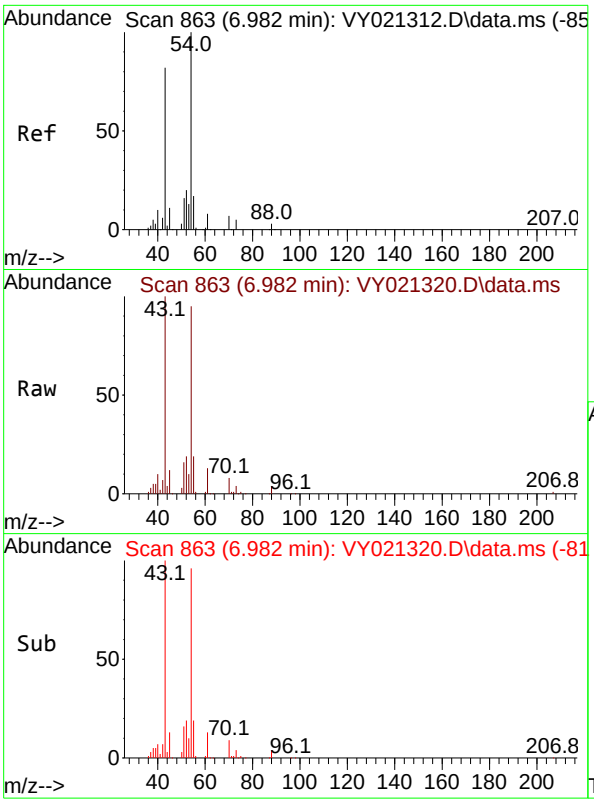


#36
1,1-Dichloropropene
Concen: 48.254 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 146702

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	30.9	24.6	36.8



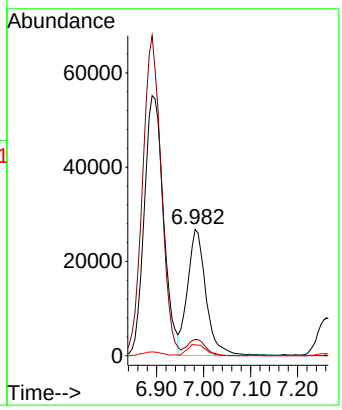


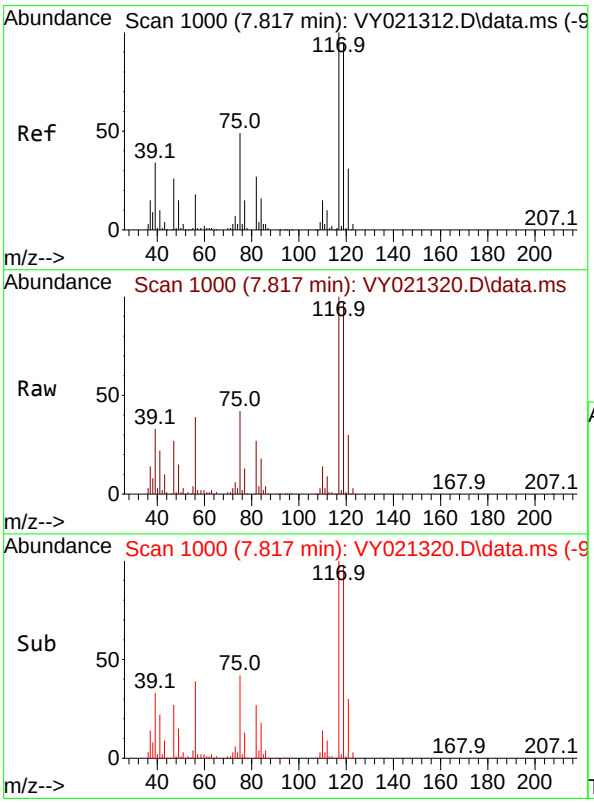
#37
Ethyl Acetate
Concen: 48.080 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 72710

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.2	7.5	11.3

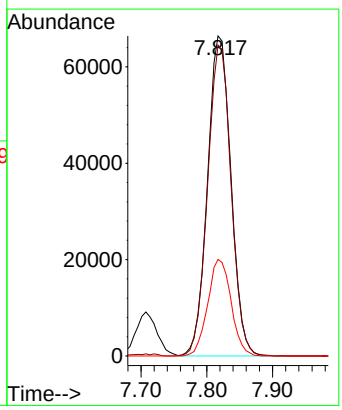


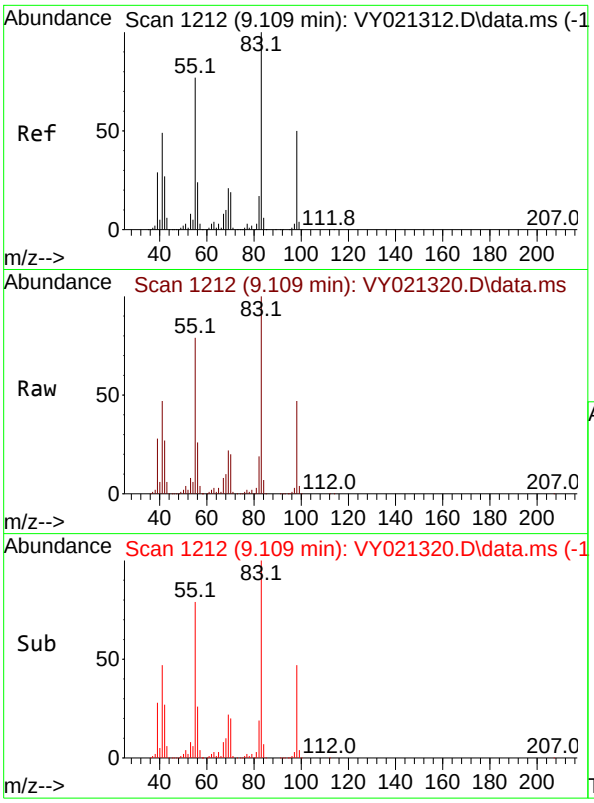


#38
Carbon Tetrachloride
Concen: 48.402 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 165430

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.0	114.0
121	30.1	24.9	37.3



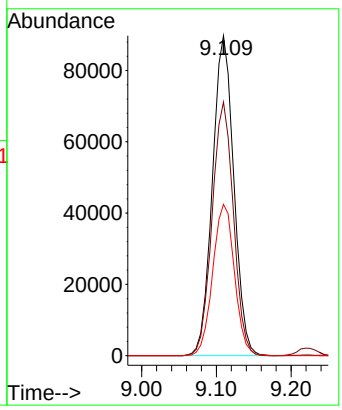


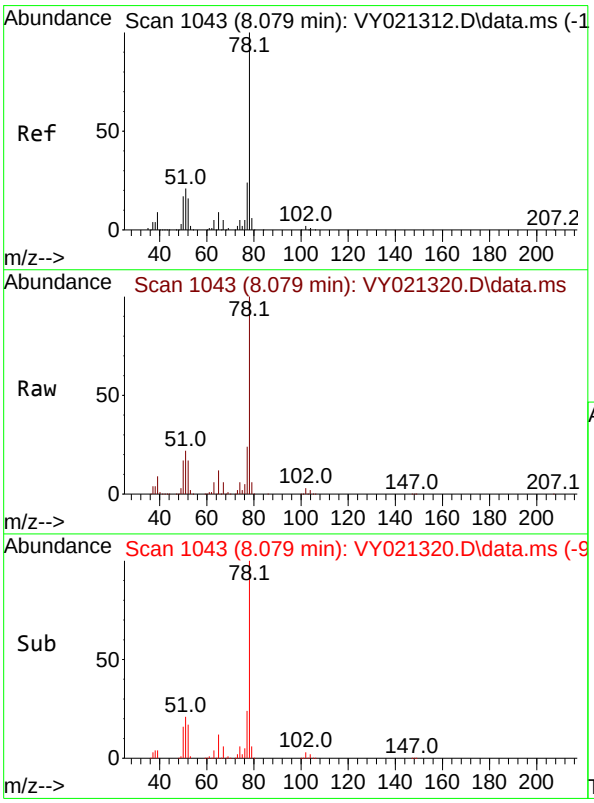
#39
Methylcyclohexane
Concen: 46.422 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 178508

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.3	91.9
98	47.3	39.9	59.9

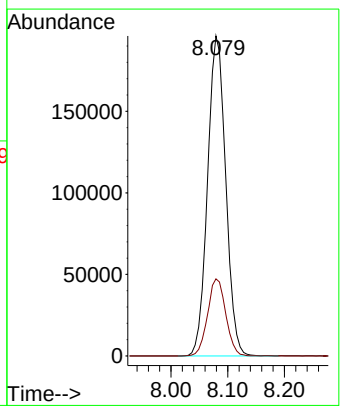


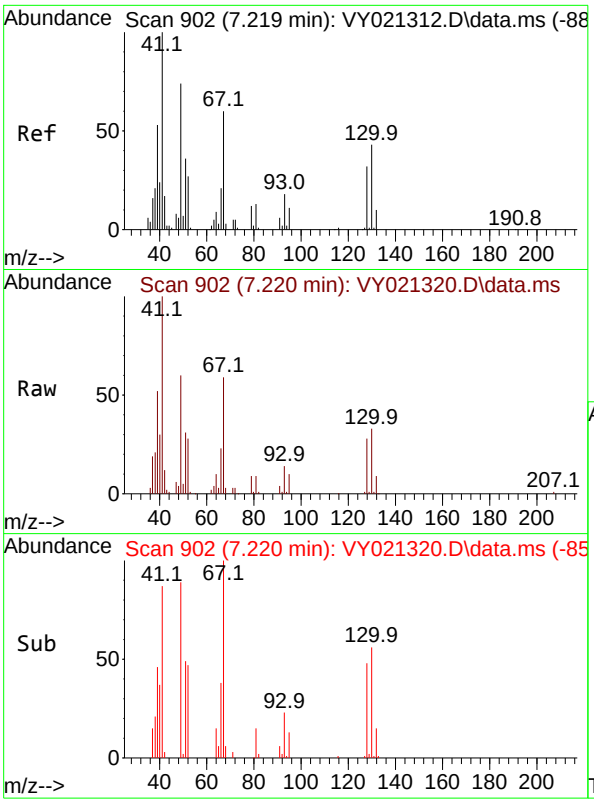


#40
Benzene
Concen: 48.593 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 78 Resp: 436709

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8



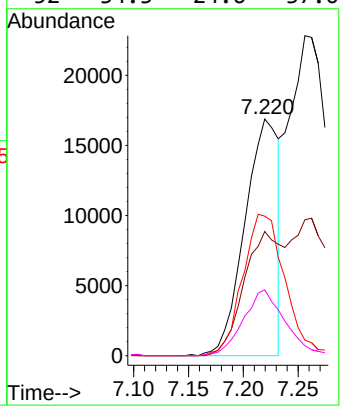


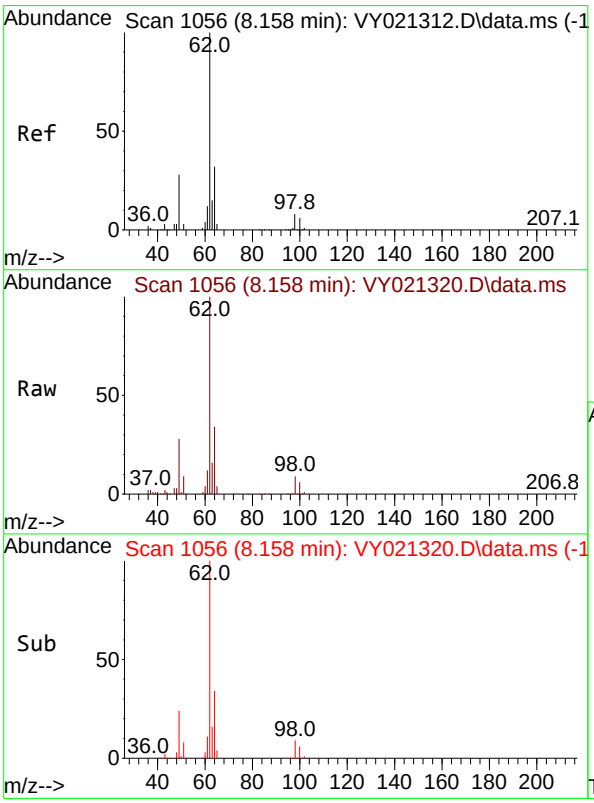
#41
Methacrylonitrile
Concen: 42.766 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 36160

Ion	Ratio	Lower	Upper
41	100		
39	61.0	42.3	63.5
67	75.4	54.8	82.2
52	34.3	24.6	37.0

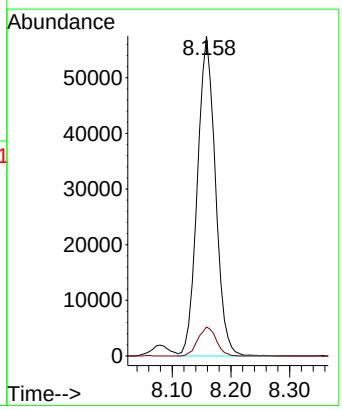


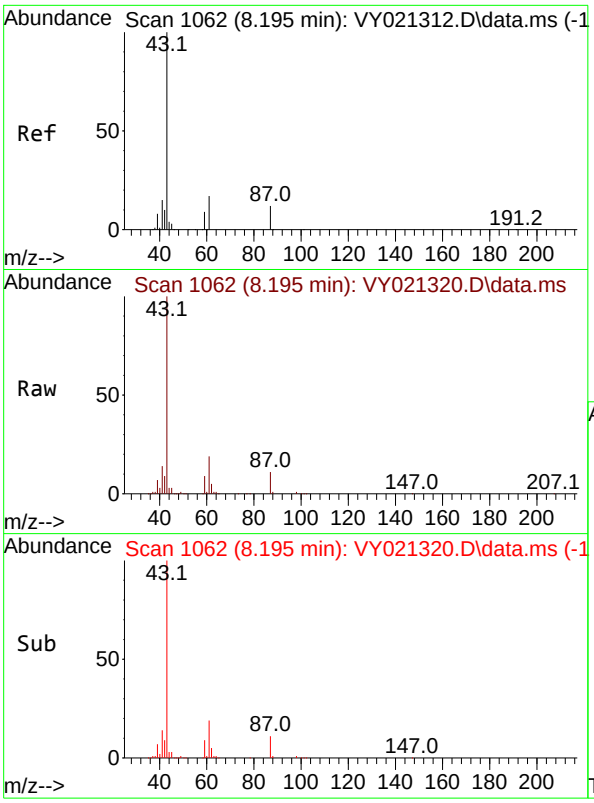


#42
1,2-Dichloroethane
Concen: 47.978 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 122335

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6



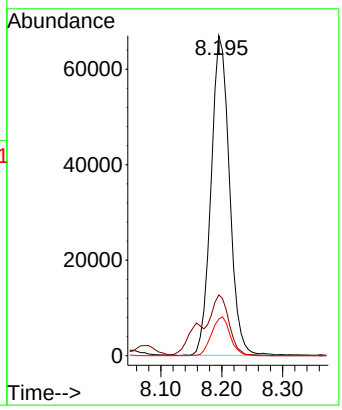


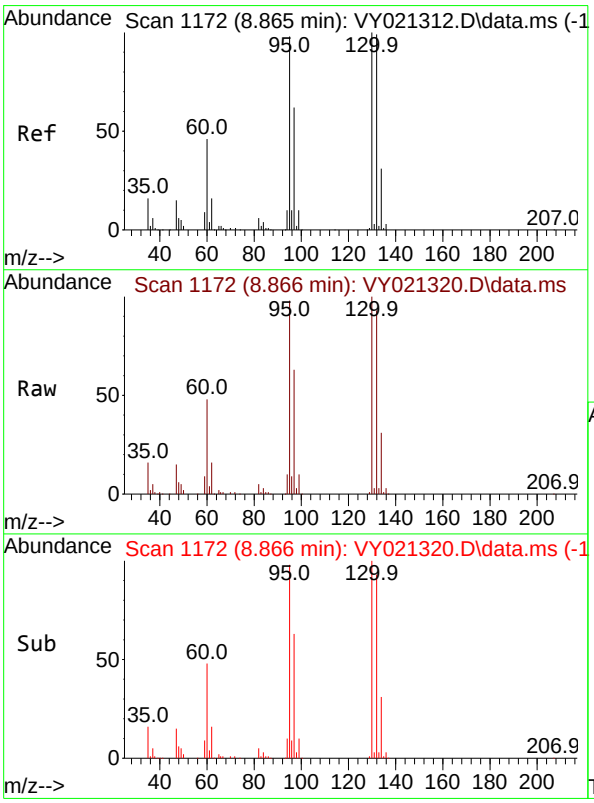
#43
Isopropyl Acetate
Concen: 47.984 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 140455

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.0	22.6
87	12.3	10.0	15.0

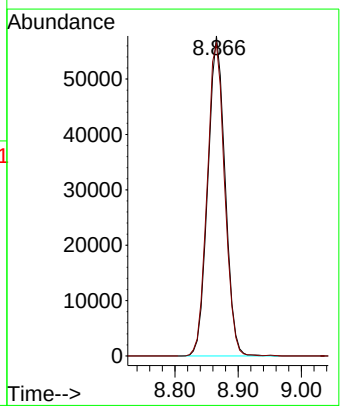


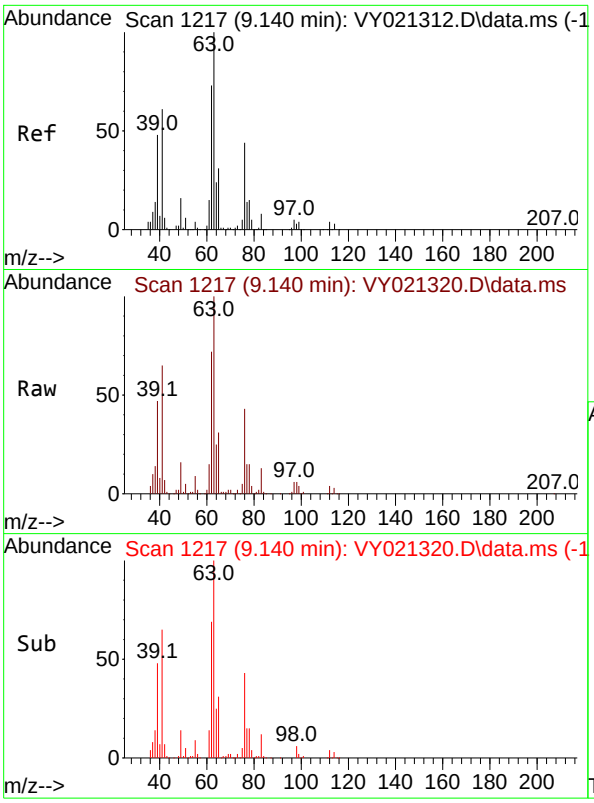


#44
Trichloroethene
Concen: 48.665 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:130 Resp: 109499

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	196.0



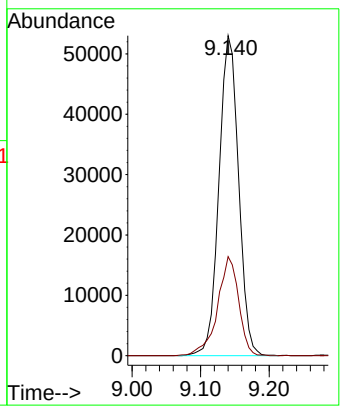


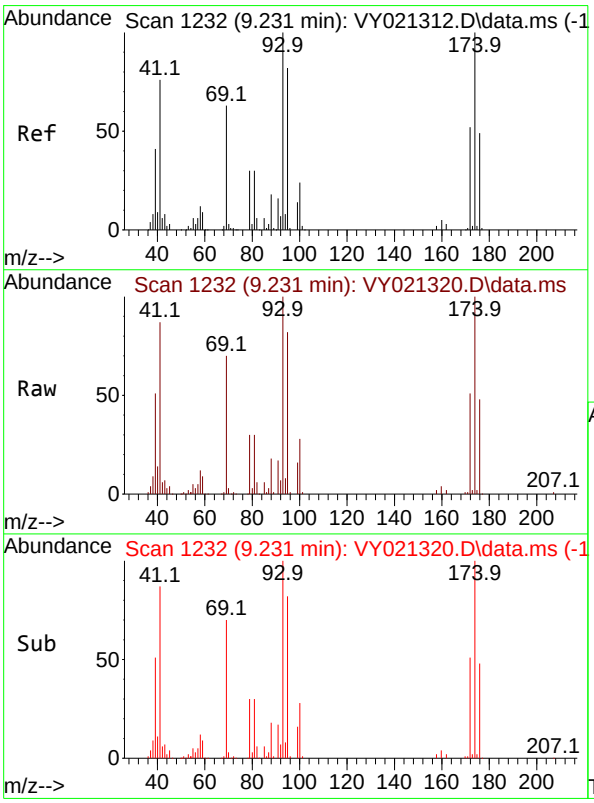
#45
1,2-Dichloropropane
Concen: 48.637 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 105190

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

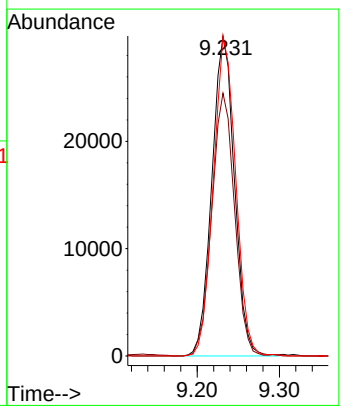


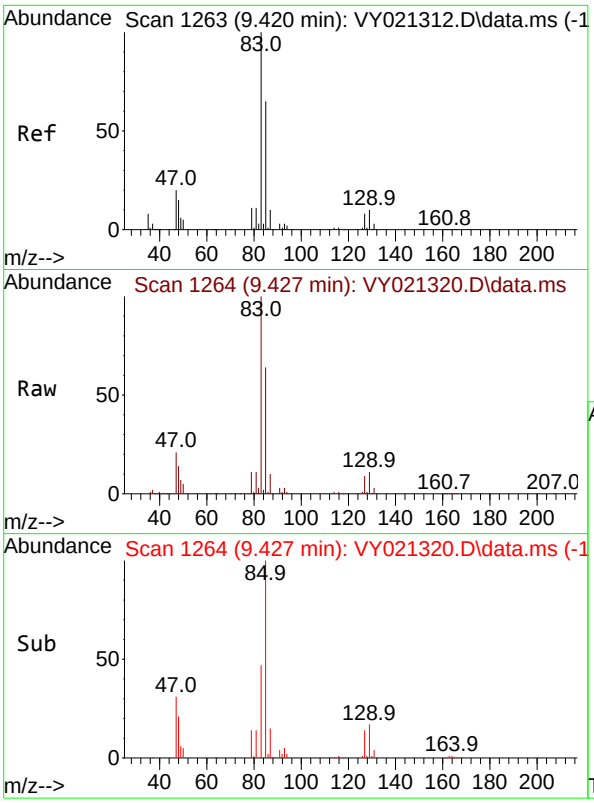


#46
Dibromomethane
Concen: 48.195 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 93 Resp: 56977

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.4	99.6
174	98.8	78.2	117.2



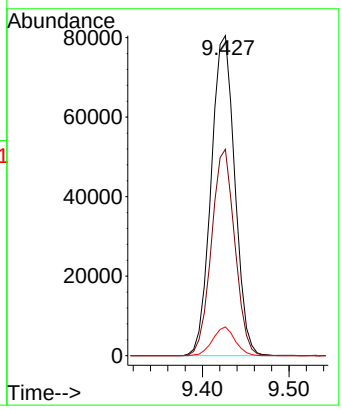


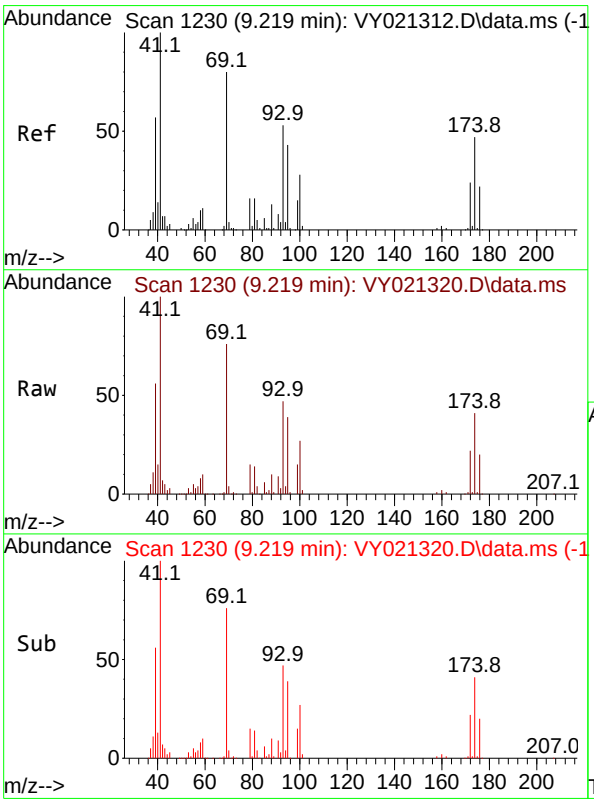
#47
Bromodichloromethane
Concen: 48.352 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 152416

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.0	6.7	10.1

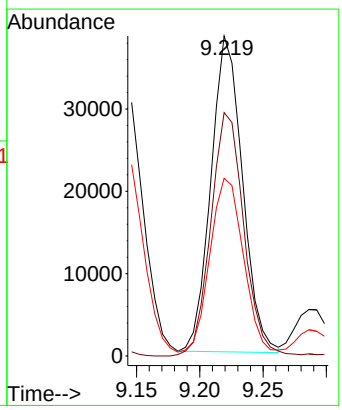


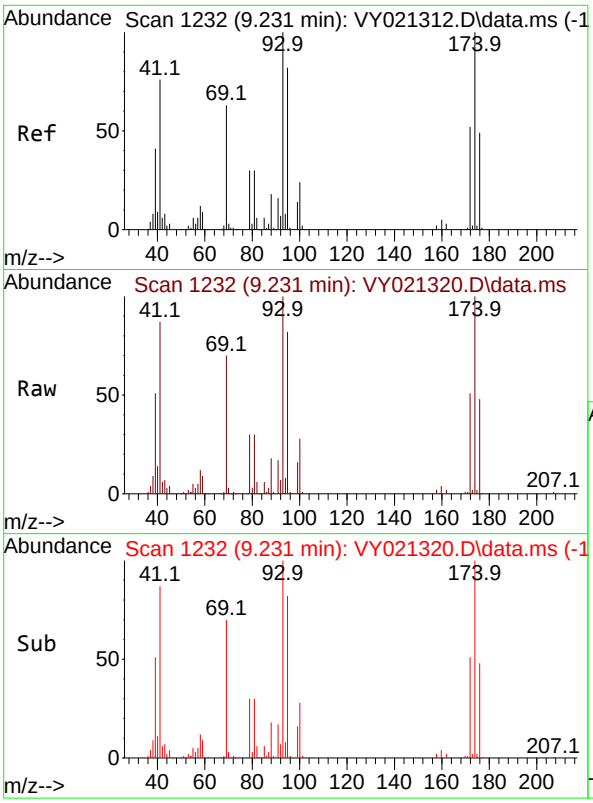


#48
Methyl methacrylate
Concen: 48.481 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 66362

Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.3	94.9
39	58.6	45.0	67.6



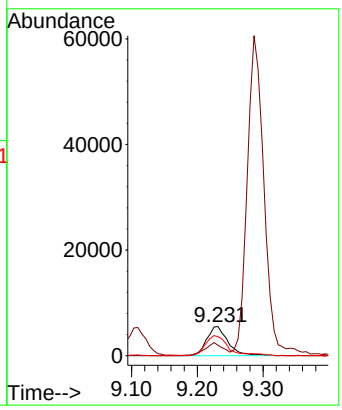


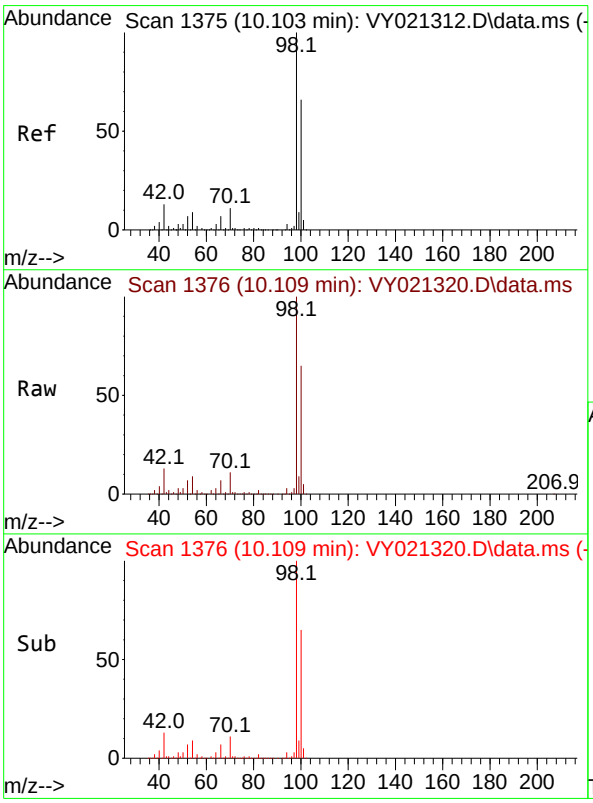
#49
1,4-Dioxane
Concen: 944.605 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 12417

Ion	Ratio	Lower	Upper
88	100		
43	35.7	34.8	52.2
58	74.3	59.8	89.6

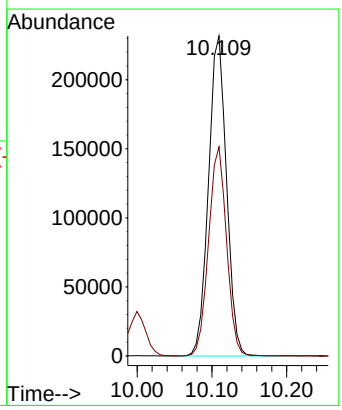


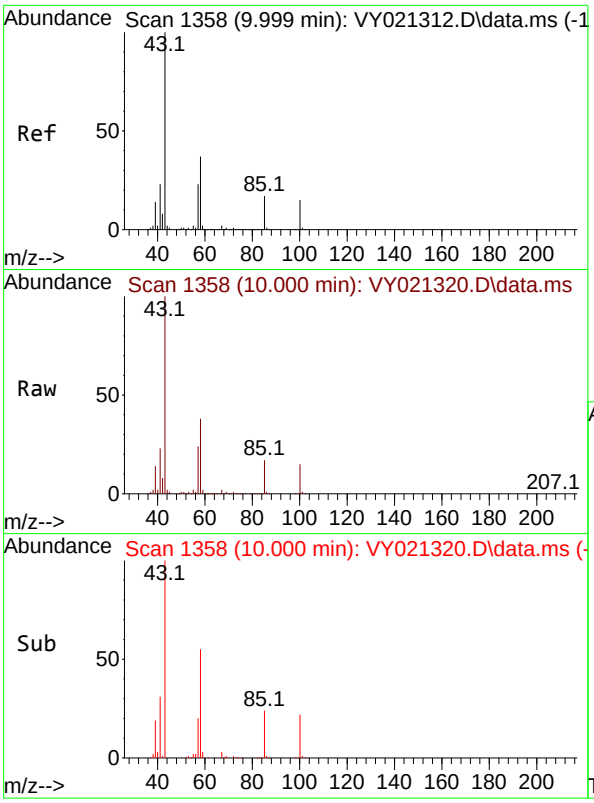


#50
Toluene-d8
Concen: 49.599 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 98 Resp: 387966

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6



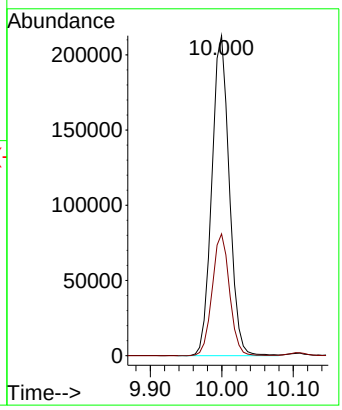


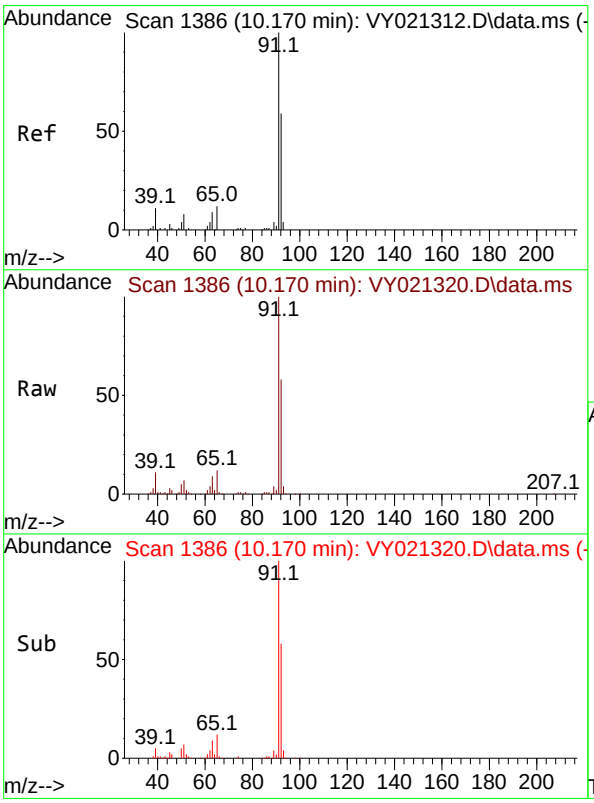
#51
4-Methyl-2-Pentanone
Concen: 240.853 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 360891

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1

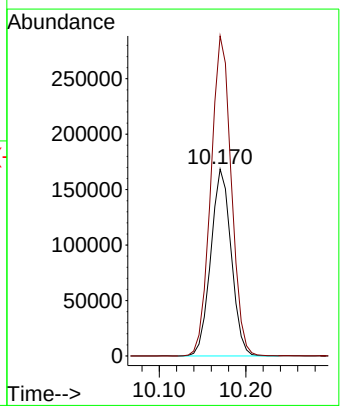


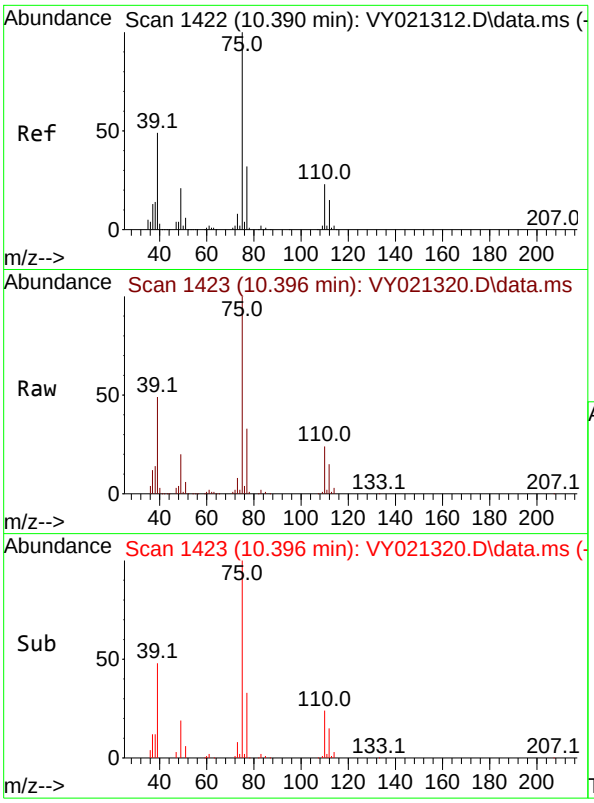


#52
Toluene
Concen: 49.351 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 92 Resp: 275527

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8



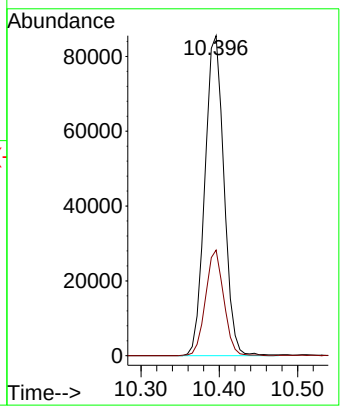


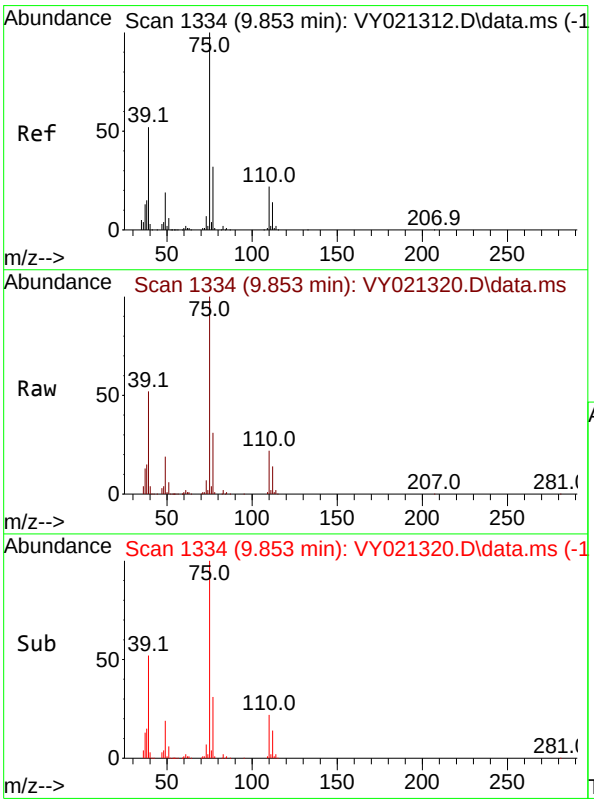
#53
t-1,3-Dichloropropene
Concen: 49.988 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 144366

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9

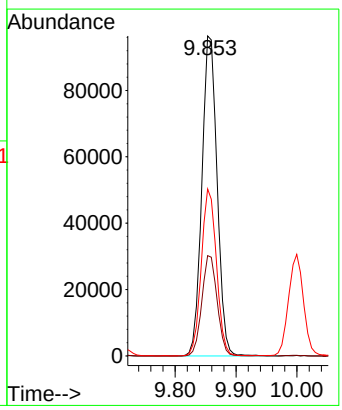


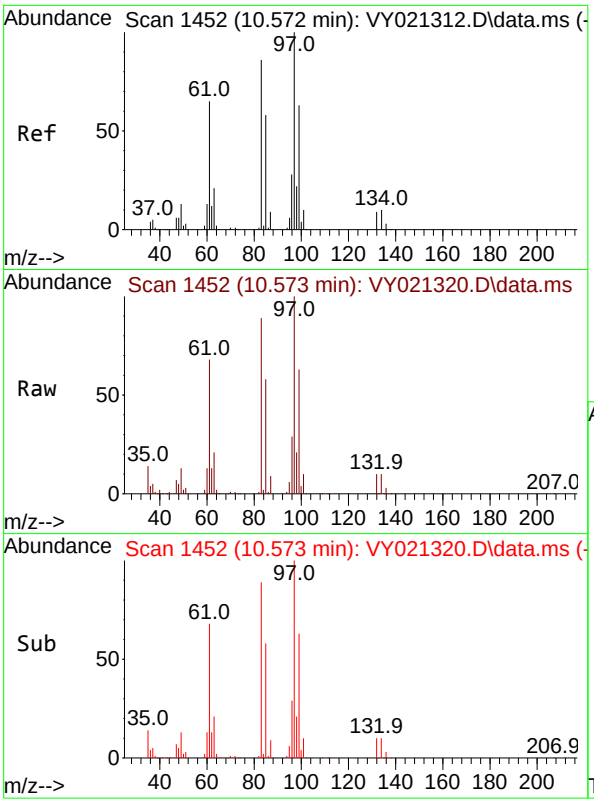


#54
cis-1,3-Dichloropropene
Concen: 49.192 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 167718

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	52.1	41.8	62.6



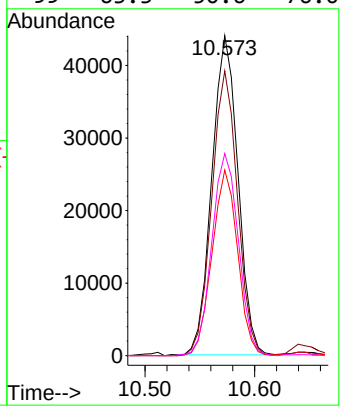


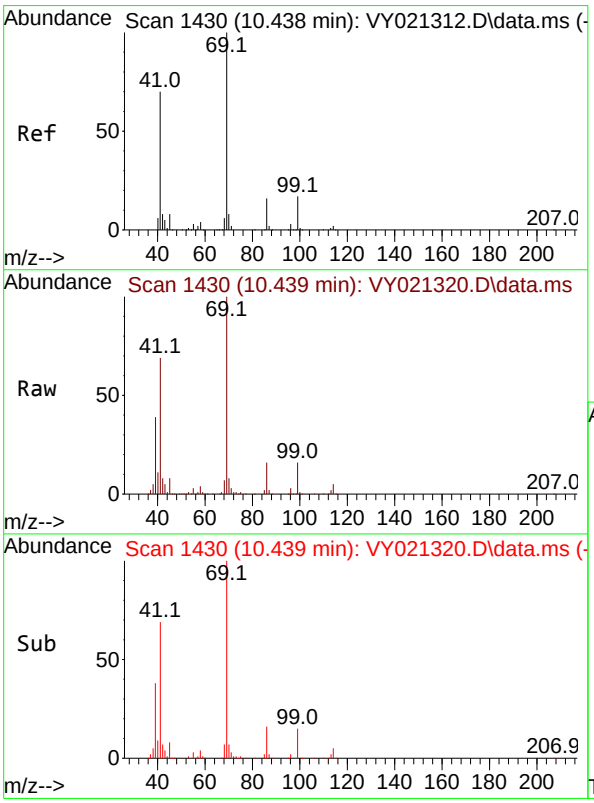
#55
1,1,2-Trichloroethane
Concen: 47.334 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 72899

Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.7	103.1
85	58.2	46.3	69.5
99	63.3	50.6	76.0

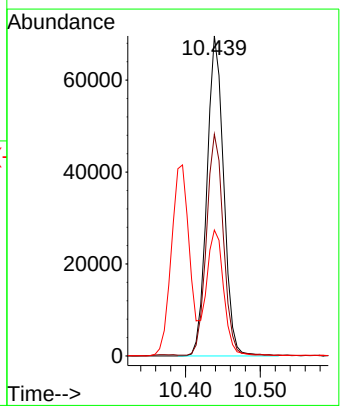


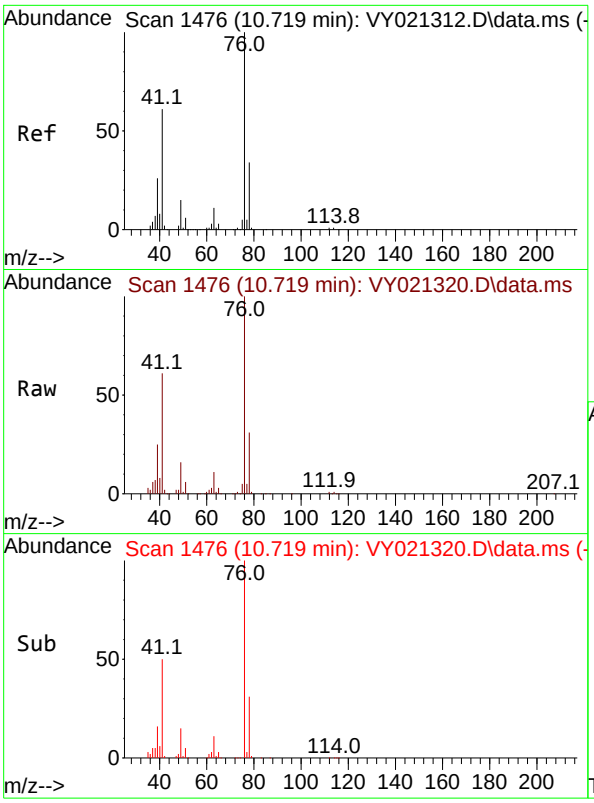


#56
Ethyl methacrylate
Concen: 50.979 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 69 Resp: 108485

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.2	84.4
39	41.3	32.7	49.1



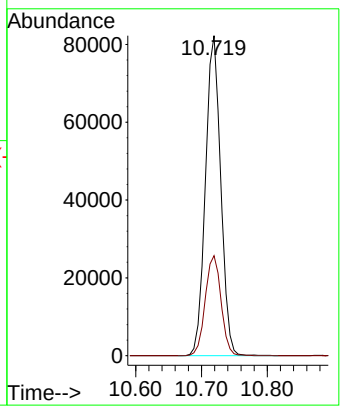


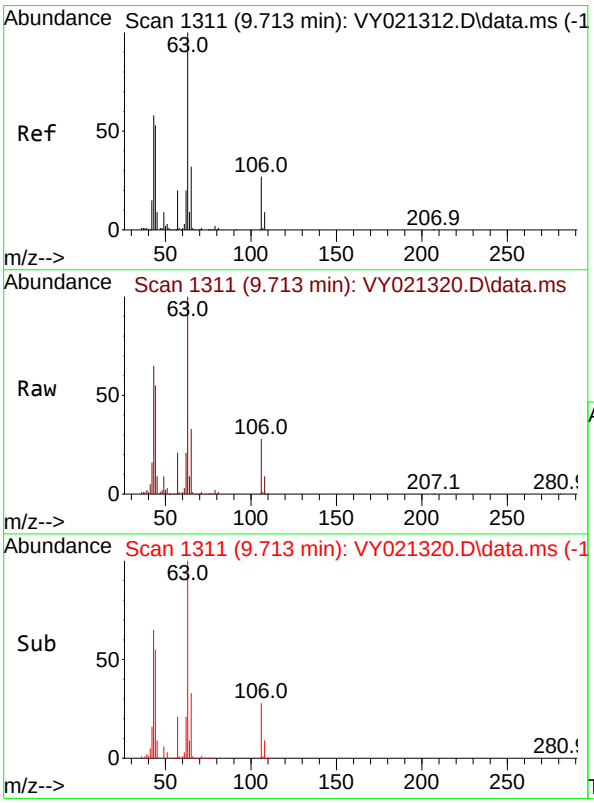
#57
1,3-Dichloropropane
Concen: 49.183 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 132919

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

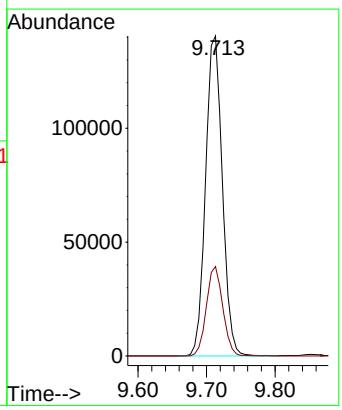


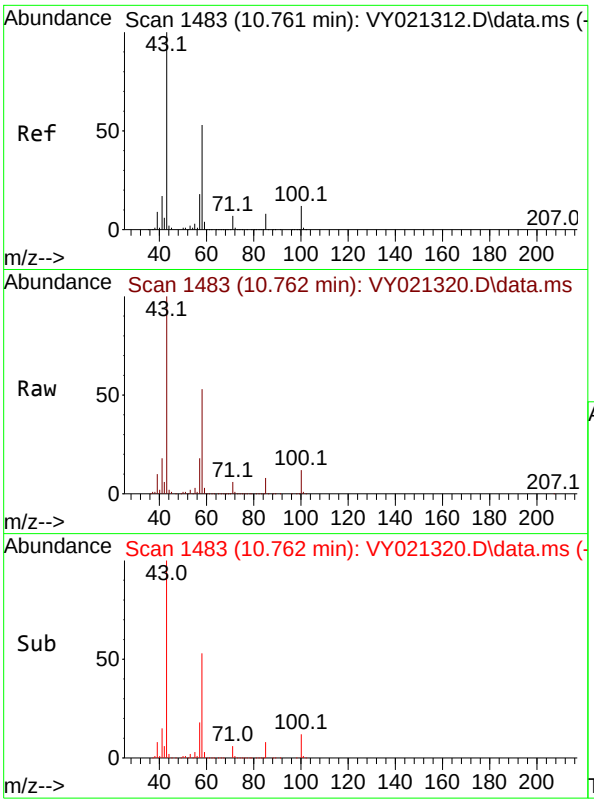


#58
2-Chloroethyl Vinyl ether
Concen: 234.614 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 239640

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5



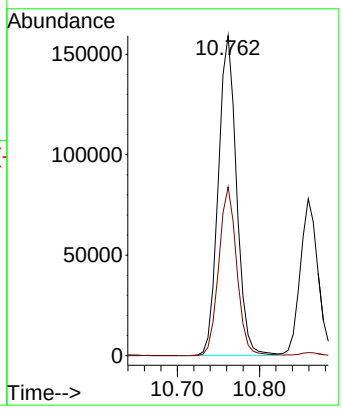


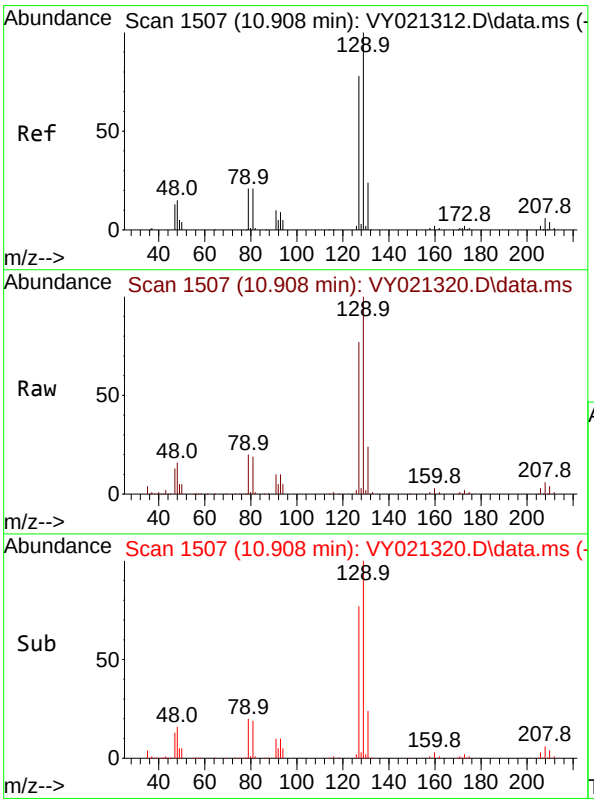
#59
2-Hexanone
Concen: 249.476 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 245501

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6

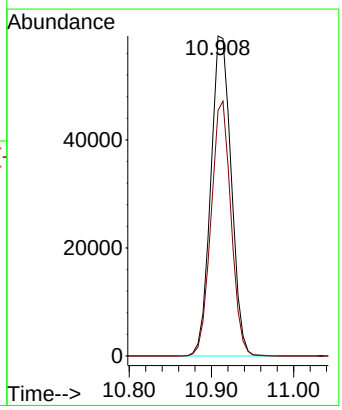


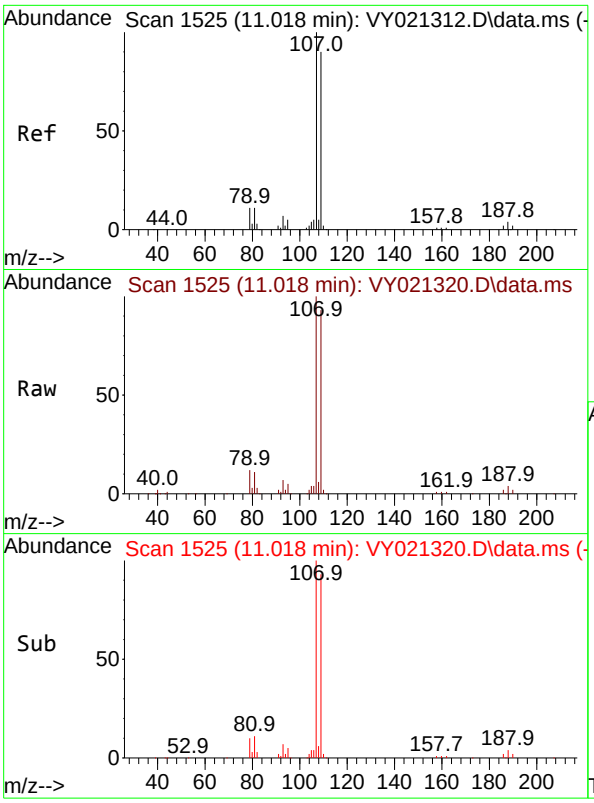


#60
Dibromochloromethane
Concen: 48.867 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:129 Resp: 102499

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.4



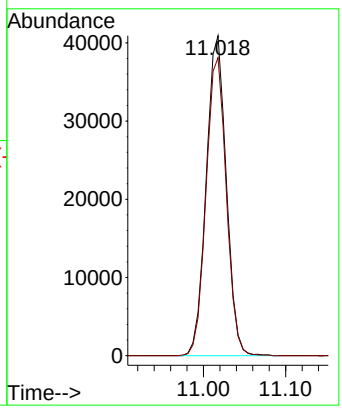


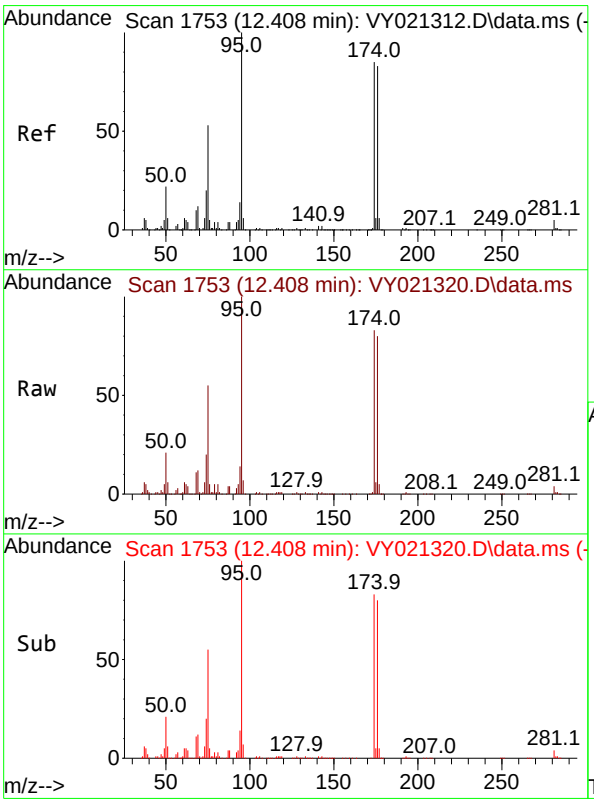
#61
1,2-Dibromoethane
Concen: 47.532 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 69304

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.8	110.8

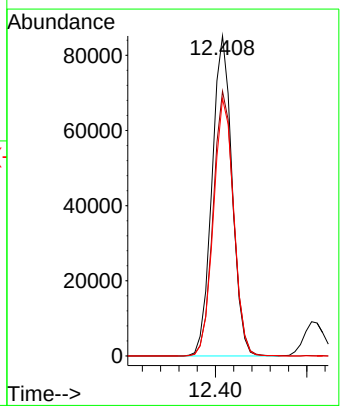


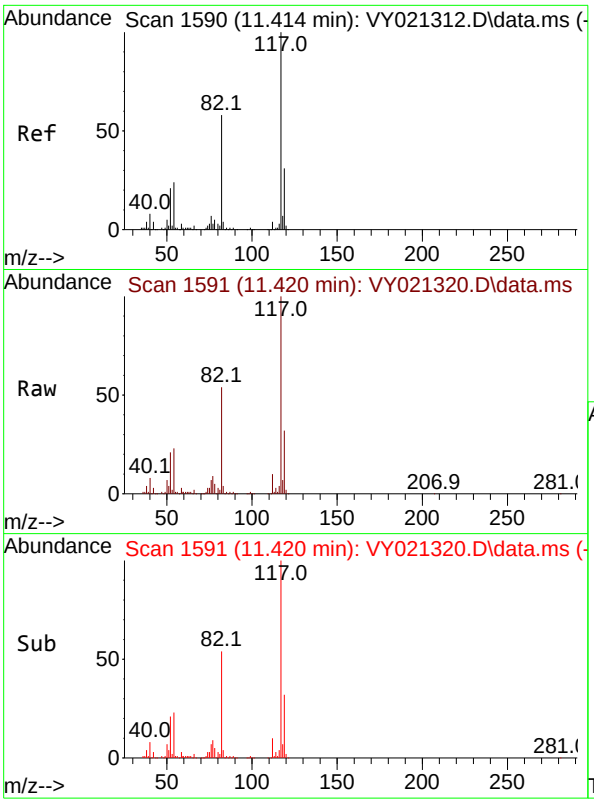


#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 95 Resp: 129754

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	168.0
176	81.2	0.0	162.6



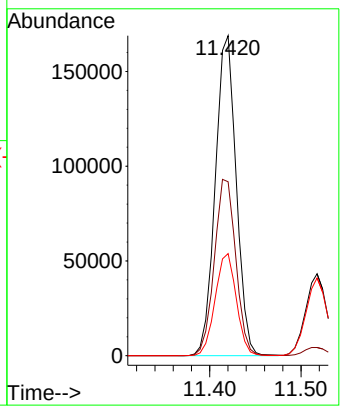


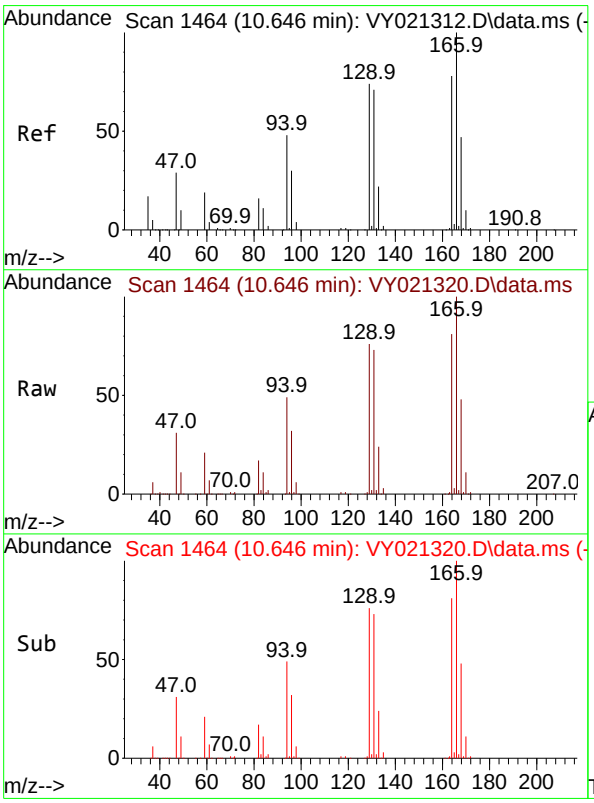
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 268805

Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.2	69.4
119	31.9	24.9	37.3

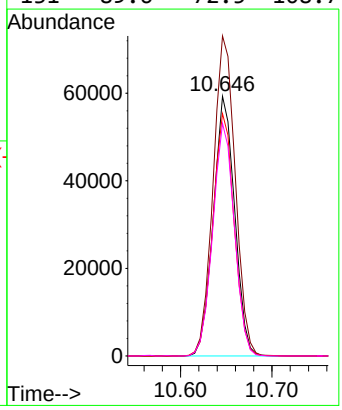


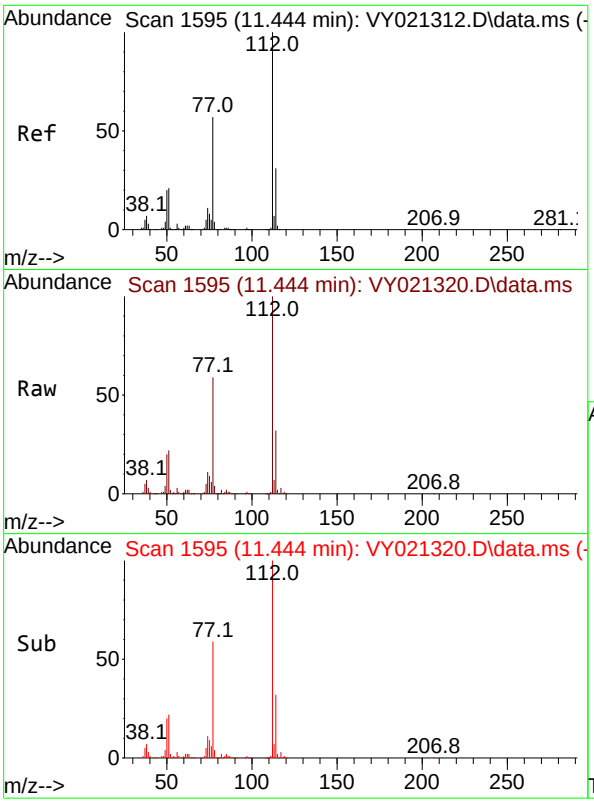


#64
Tetrachloroethene
Concen: 47.455 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:164 Resp: 96416

Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.9	152.9
129	93.3	75.5	113.3
131	89.6	72.5	108.7



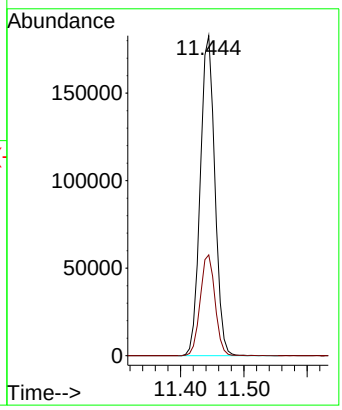


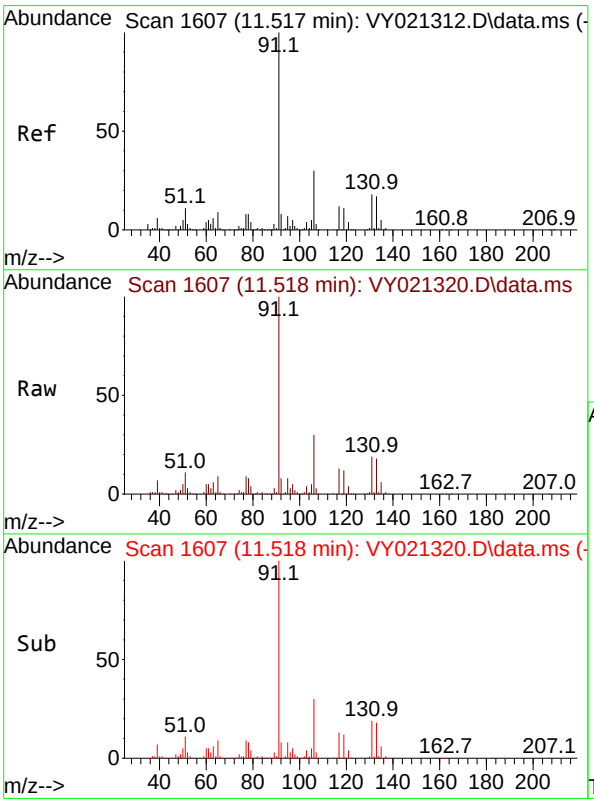
#65
Chlorobenzene
Concen: 48.625 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 293397

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

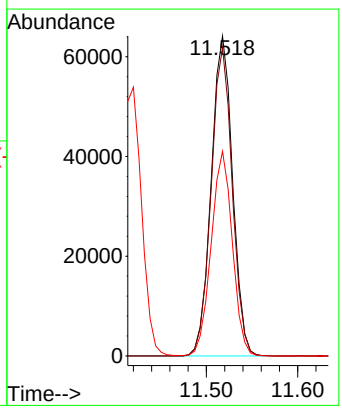


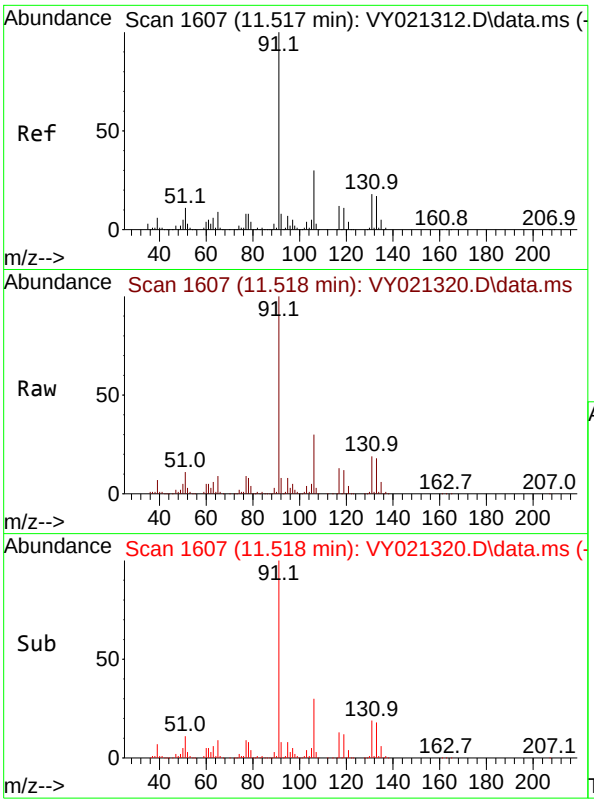


#66
1,1,1,2-Tetrachloroethane
Concen: 49.295 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:131 Resp: 104152

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.9	143.6
119	63.4	31.7	95.1



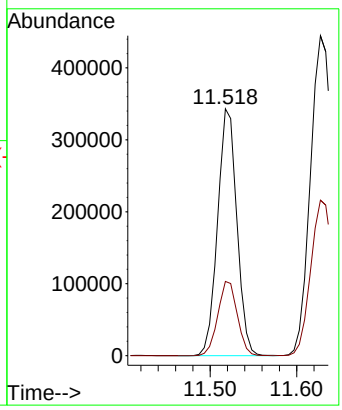


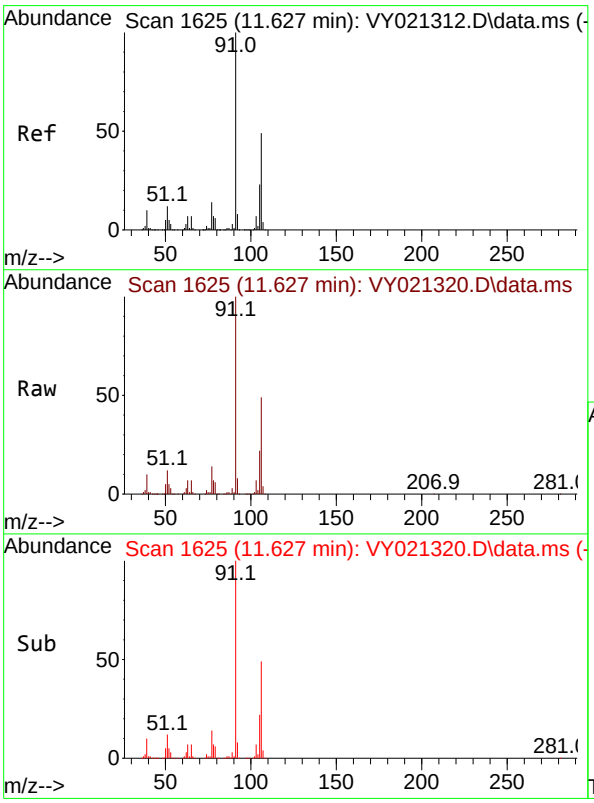
#67
Ethyl Benzene
Concen: 49.609 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 530215

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.4	36.6

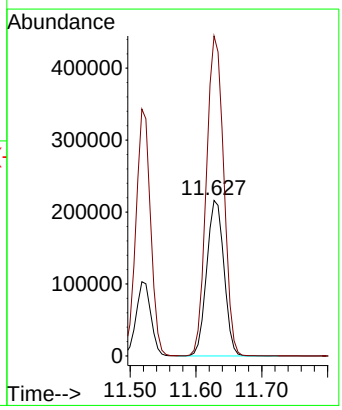


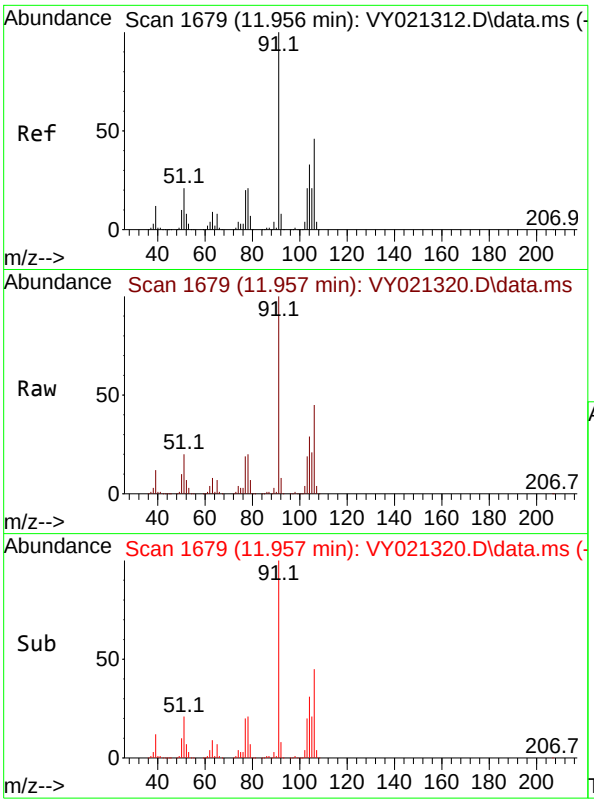


#68
m/p-Xylenes
Concen: 98.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 395166

Ion	Ratio	Lower	Upper
106	100		
91	206.2	163.9	245.9



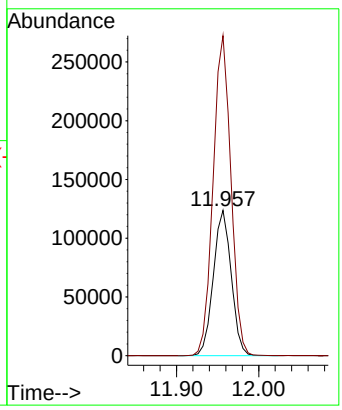


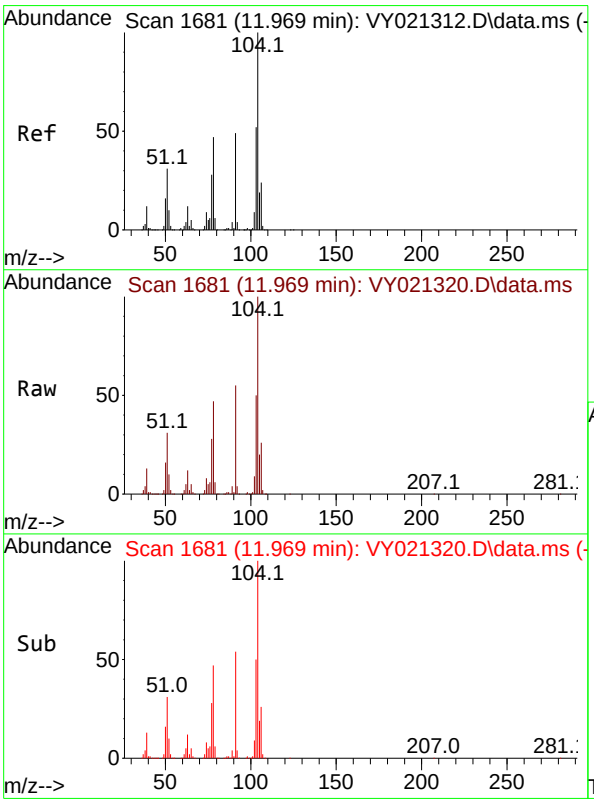
#69
o-Xylene
Concen: 49.676 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 187084

Ion	Ratio	Lower	Upper
106	100		
91	219.4	108.1	324.2

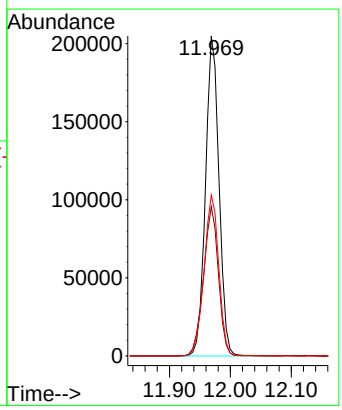


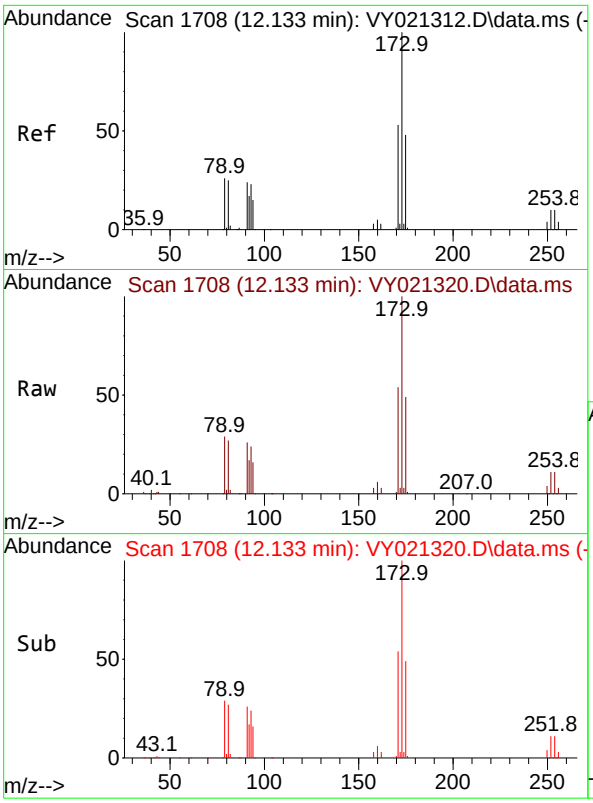


#70
Styrene
Concen: 50.431 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:104 Resp: 316002

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	54.9	43.9	65.9



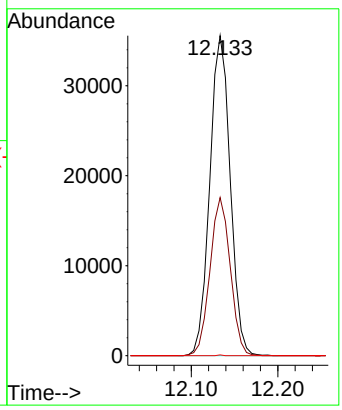


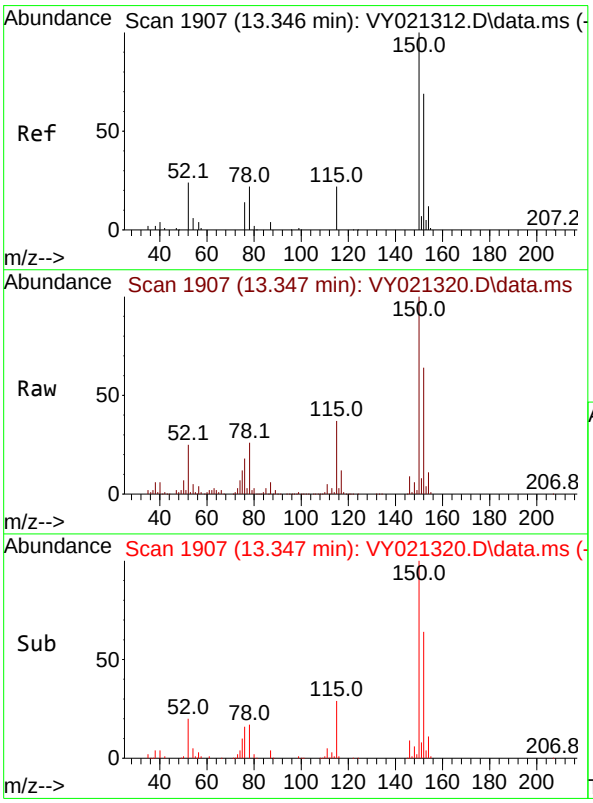
#71
Bromoform
Concen: 48.247 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 58316

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1#

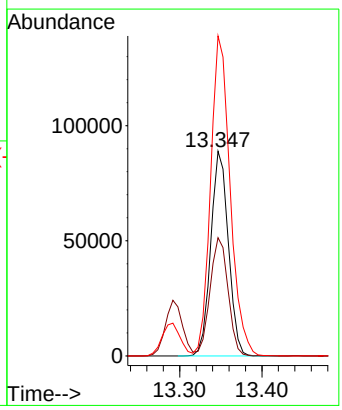


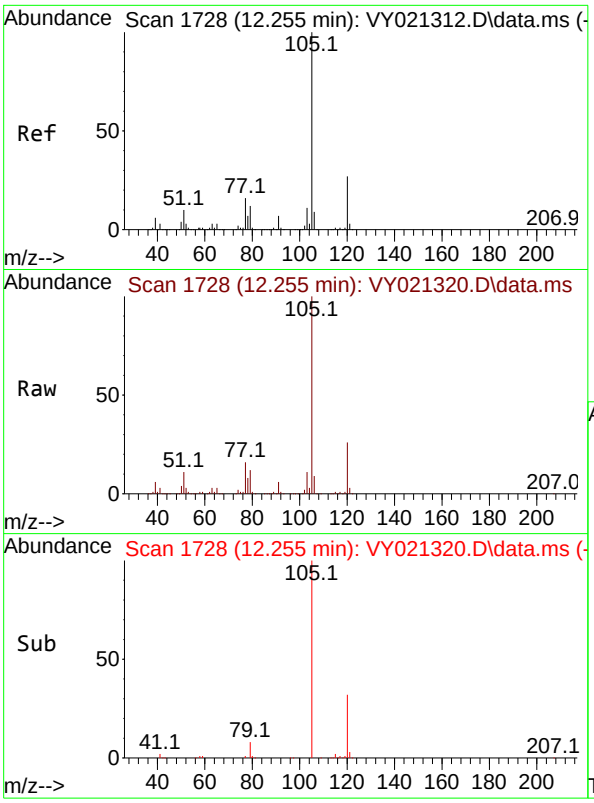


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:152 Resp: 131935

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	173.7	0.0	347.4



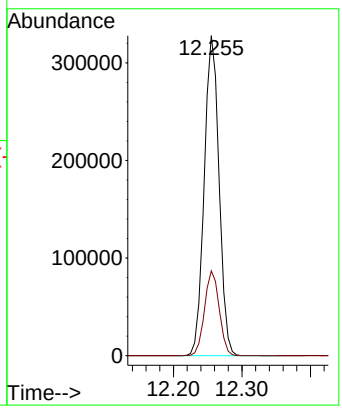


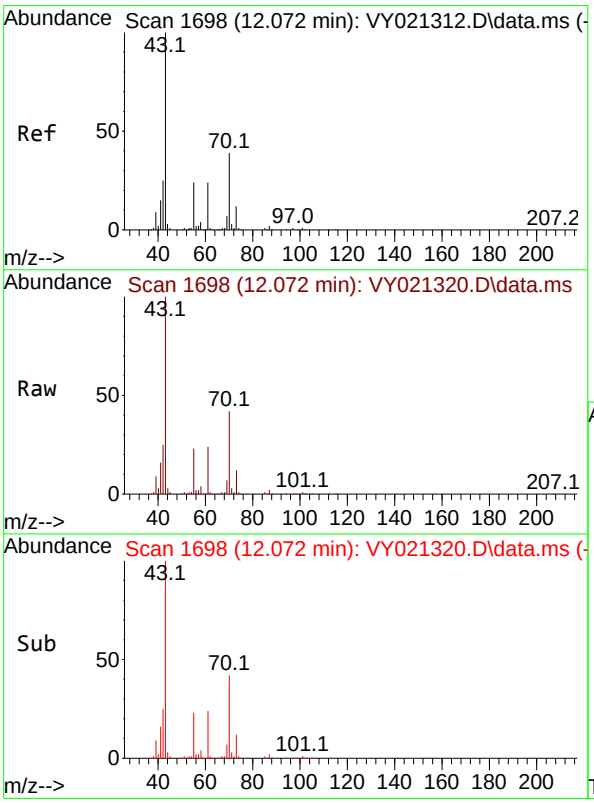
#73
Isopropylbenzene
Concen: 49.774 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 493694

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8

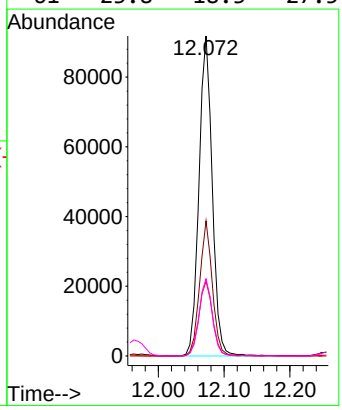


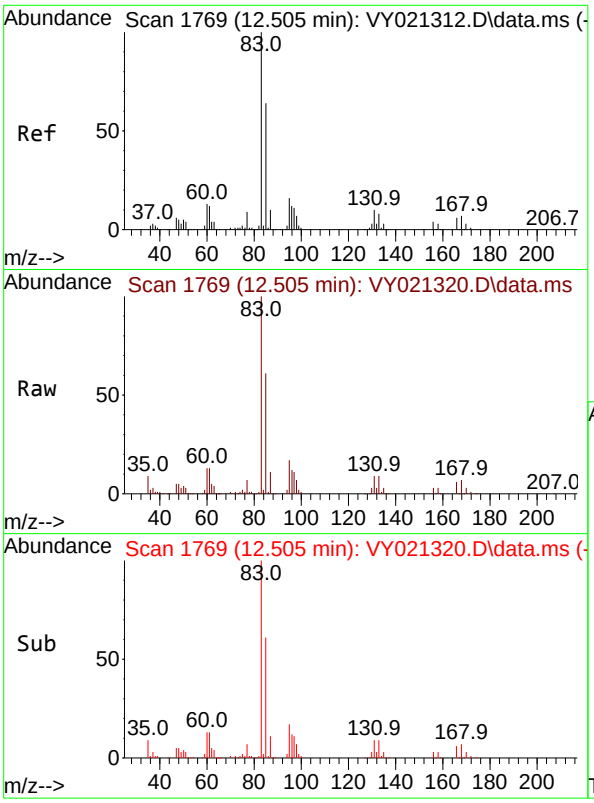


#74
N-amyl acetate
Concen: 51.162 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 128988

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.2	48.2
55	24.1	19.6	29.4
61	23.8	18.3	27.5



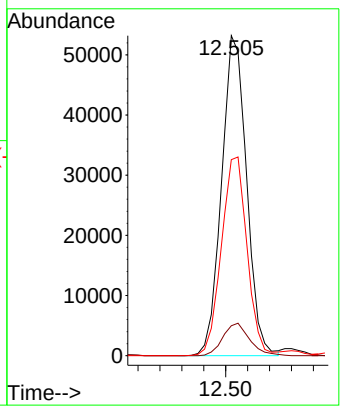


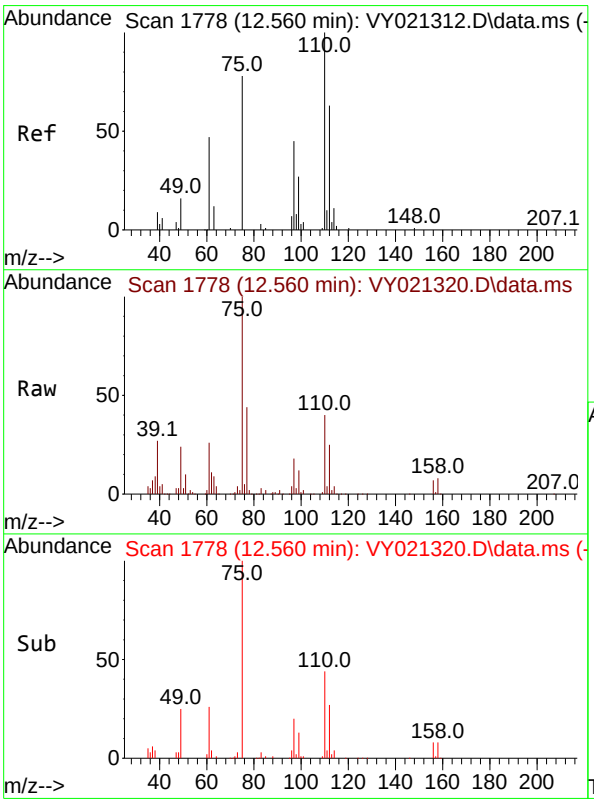
#75
1,1,2,2-Tetrachloroethane
Concen: 48.150 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 84288

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.7	32.0	96.0

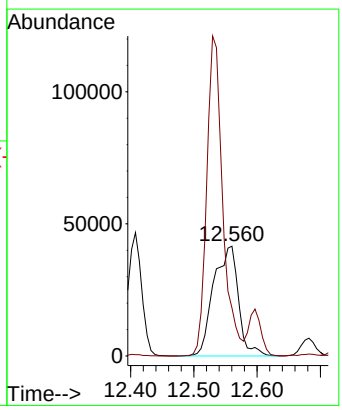


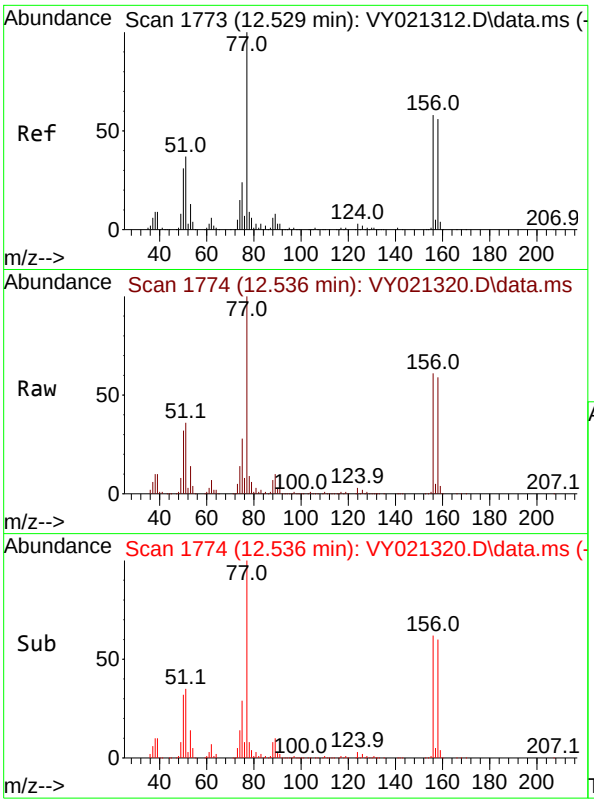


#76
1,2,3-Trichloropropane
Concen: 85.685 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 113156

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



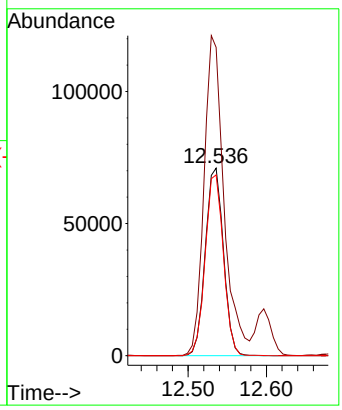


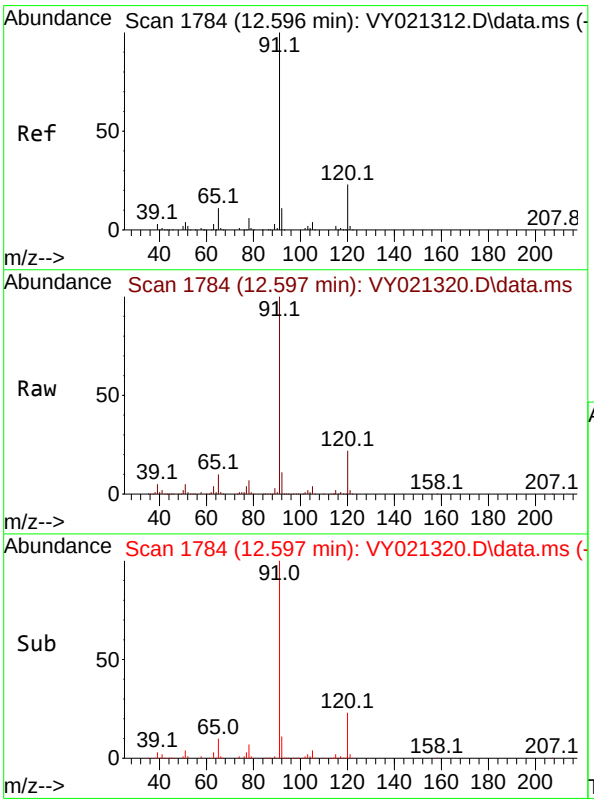
#77
Bromobenzene
Concen: 49.529 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 114266

Ion	Ratio	Lower	Upper
156	100		
77	187.3	94.0	282.1
158	96.8	48.7	146.1

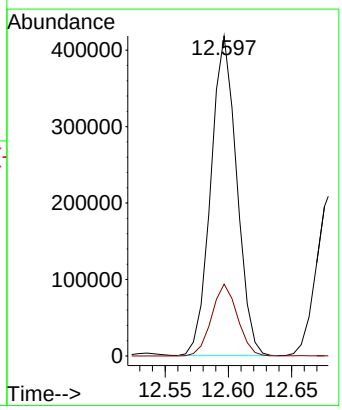


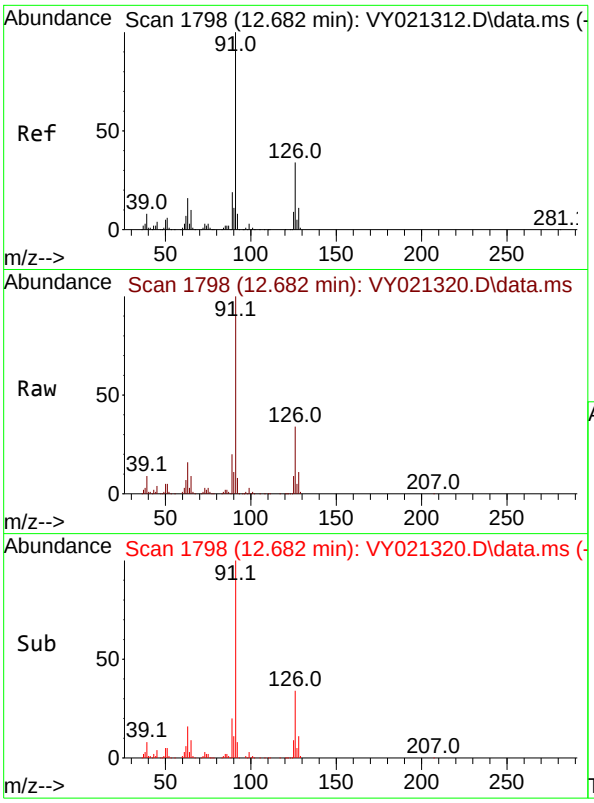


#78
n-propylbenzene
Concen: 49.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 595911

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



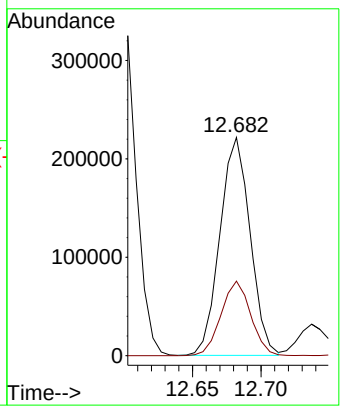


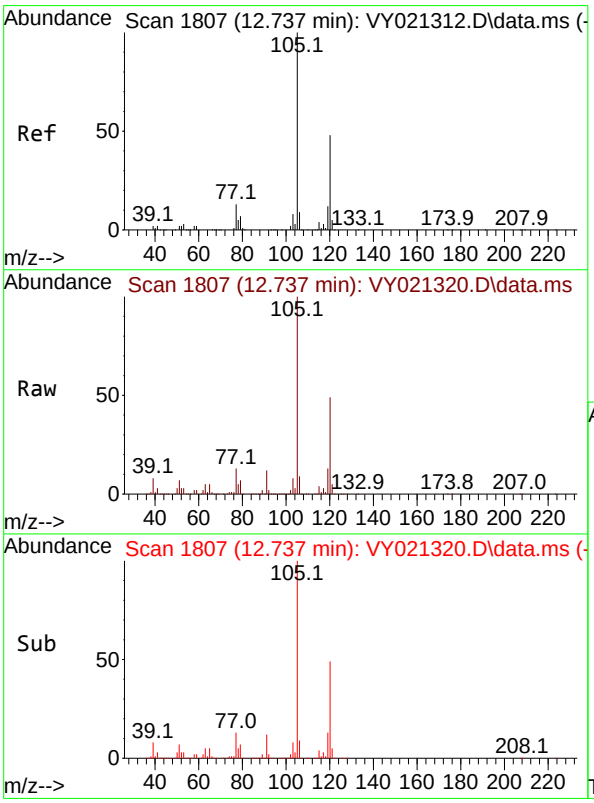
#79
2-Chlorotoluene
Concen: 49.181 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 339722

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

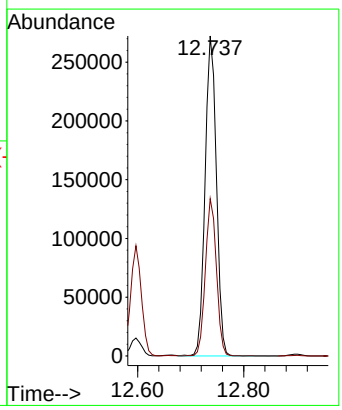


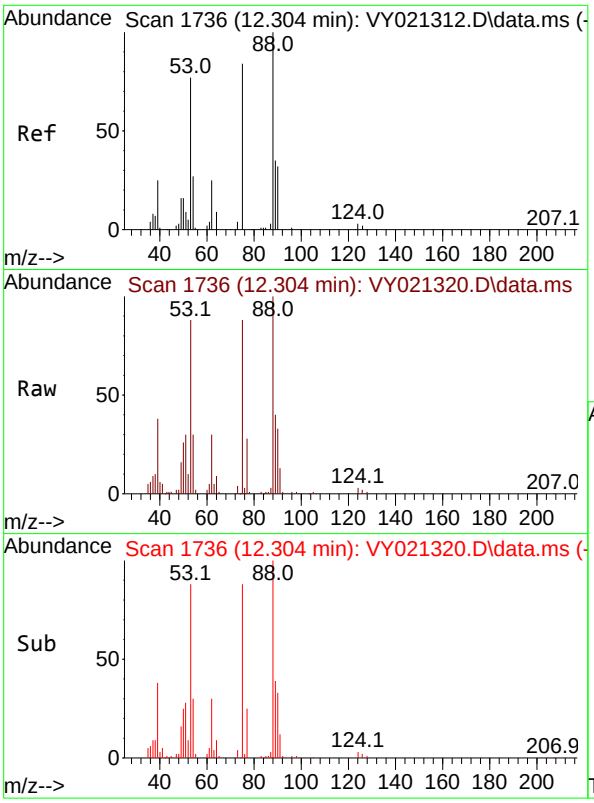


#80
1,3,5-Trimethylbenzene
Concen: 49.604 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403527

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0



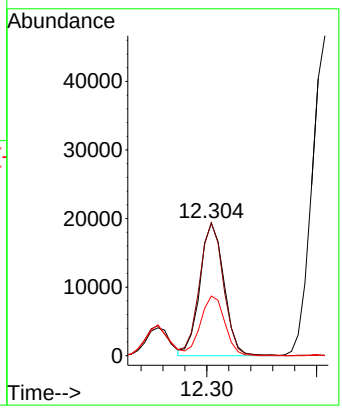


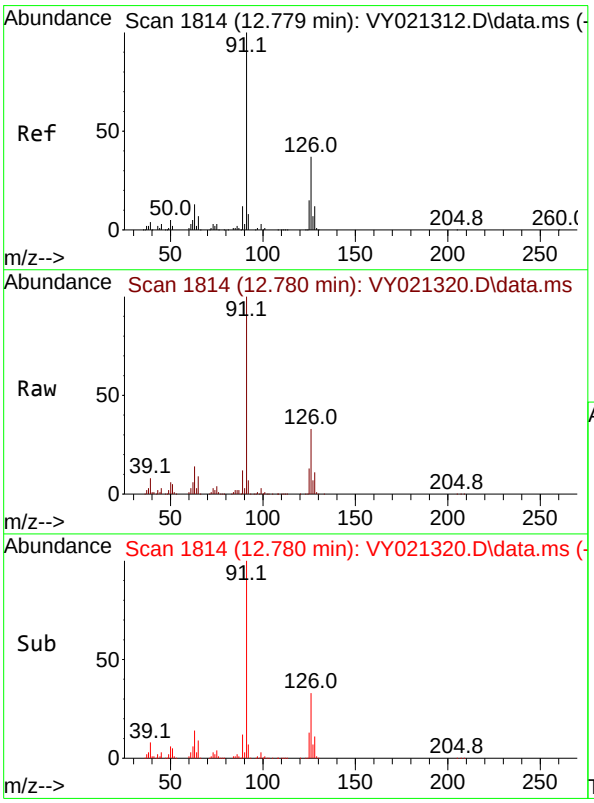
#81
trans-1,4-Dichloro-2-butene
Concen: 49.724 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 29544

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

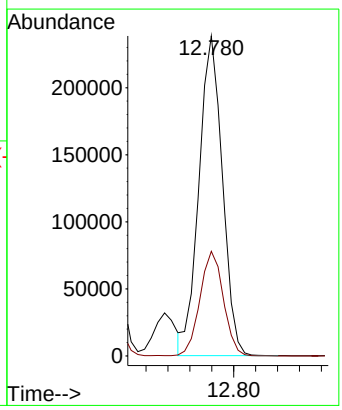


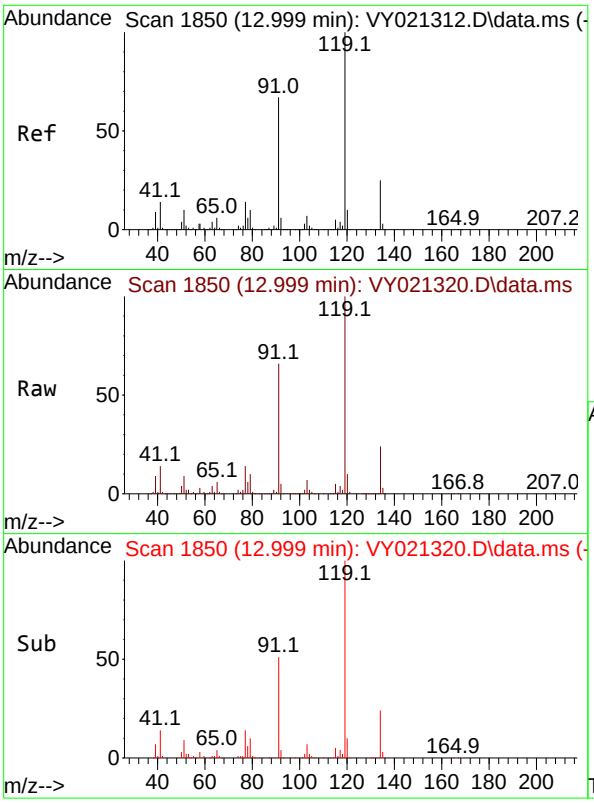


#82
4-Chlorotoluene
Concen: 49.408 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 353786

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.8	50.4



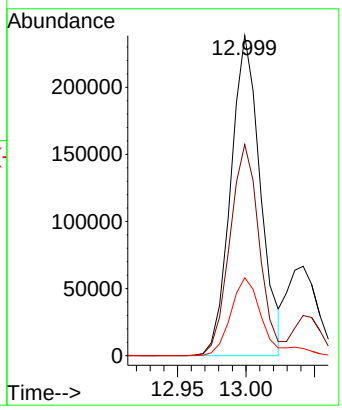


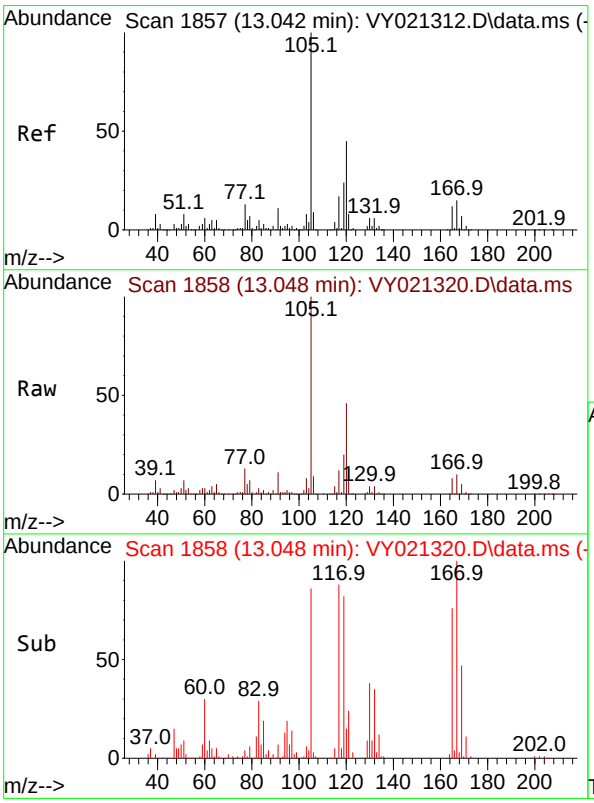
#83
tert-Butylbenzene
Concen: 48.765 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 358344

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9

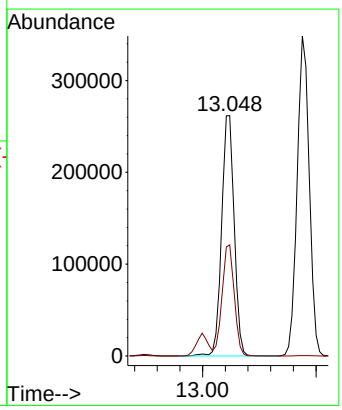


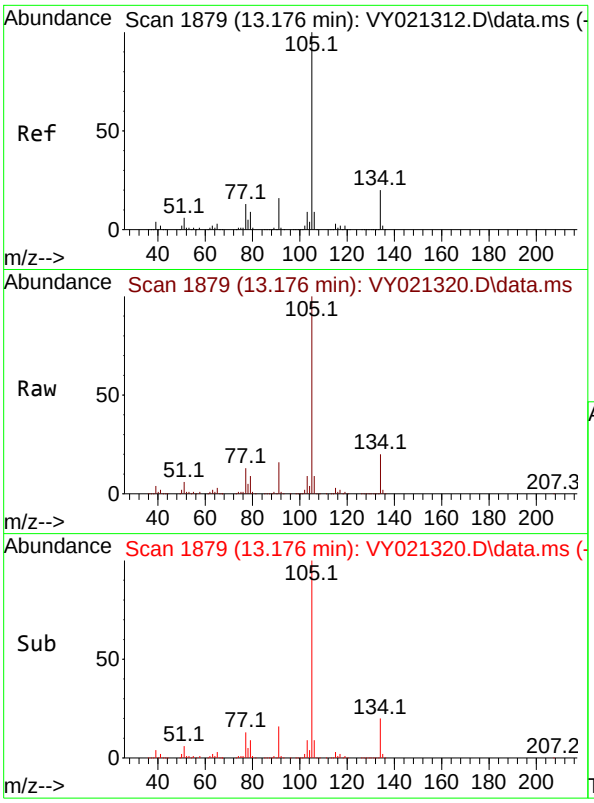


#84
1,2,4-Trimethylbenzene
Concen: 49.846 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403288

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3



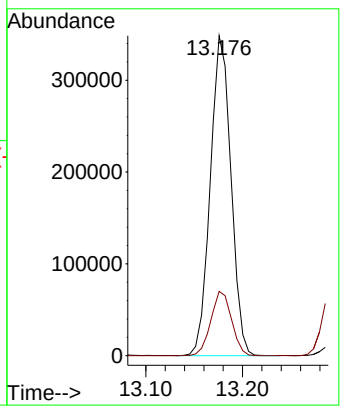


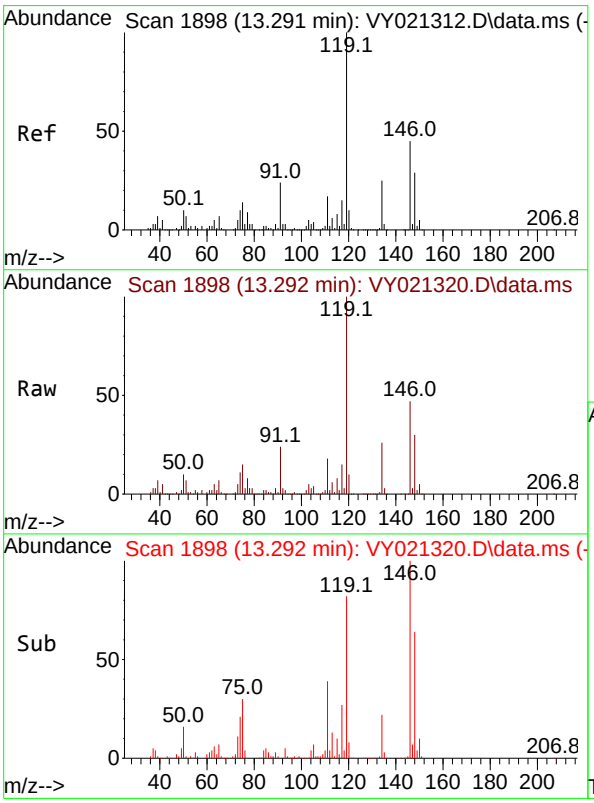
#85
sec-Butylbenzene
Concen: 48.069 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 515970

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

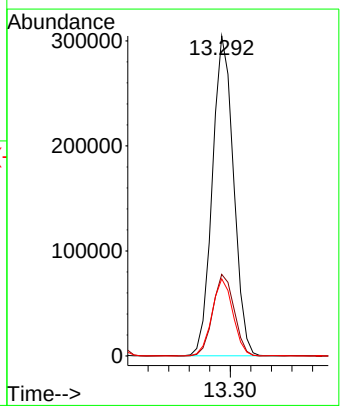


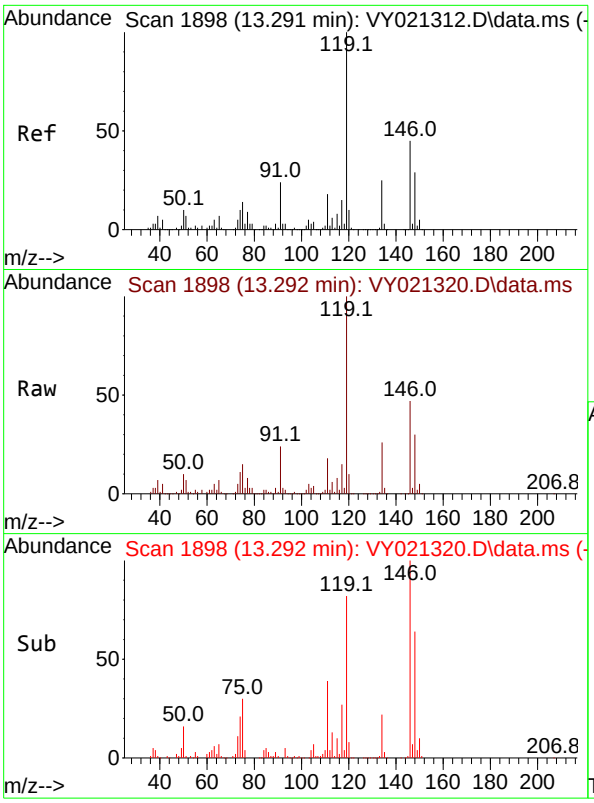


#86
p-Isopropyltoluene
Concen: 48.594 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 435539

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	23.8	12.0	36.1



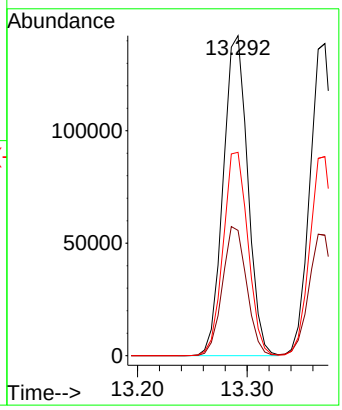


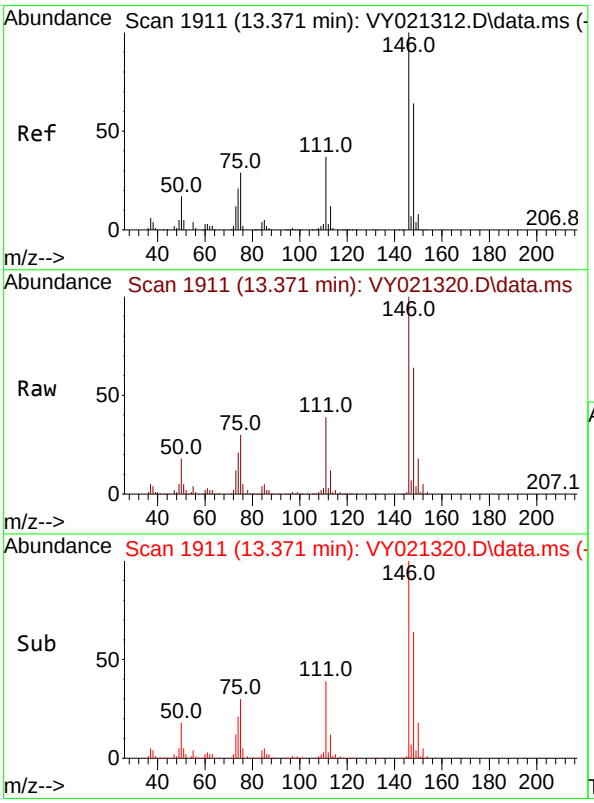
#87
1,3-Dichlorobenzene
Concen: 48.450 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 221110

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.2	31.9	95.9

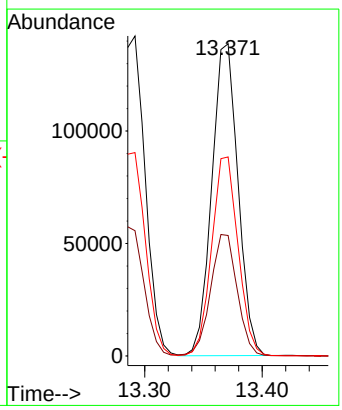


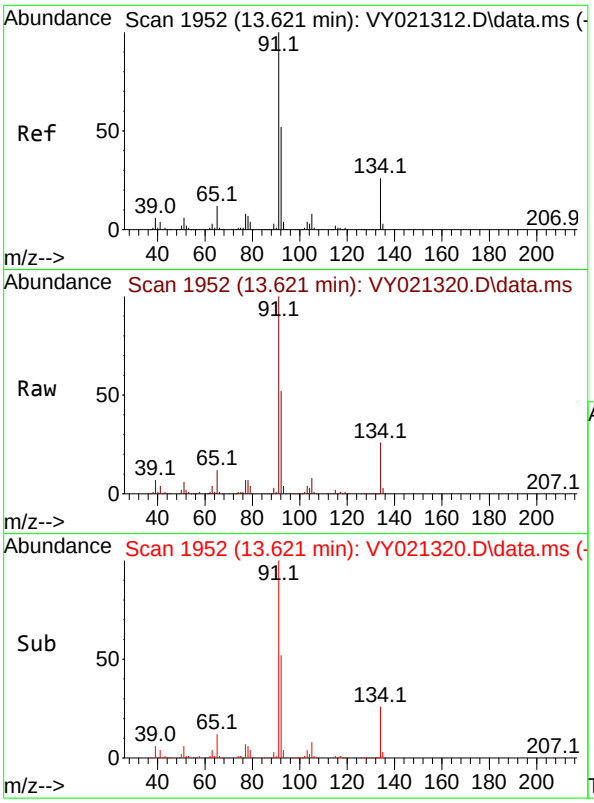


#88
1,4-Dichlorobenzene
Concen: 47.797 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 215487

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	64.5	32.0	96.2



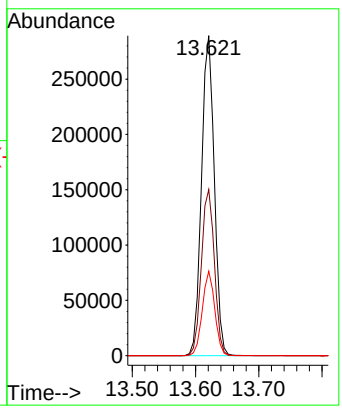


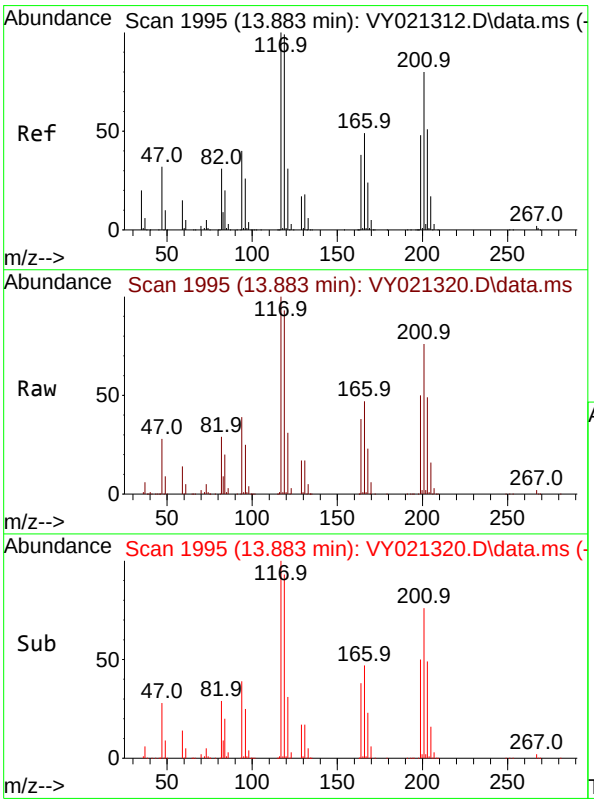
#89
n-Butylbenzene
Concen: 48.491 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 408995

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.6	12.7	38.0

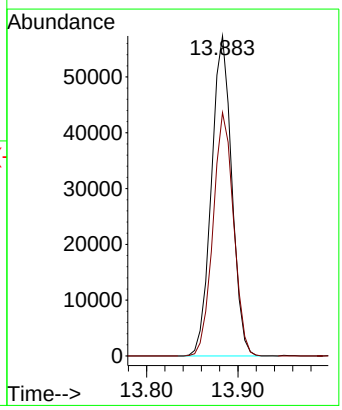


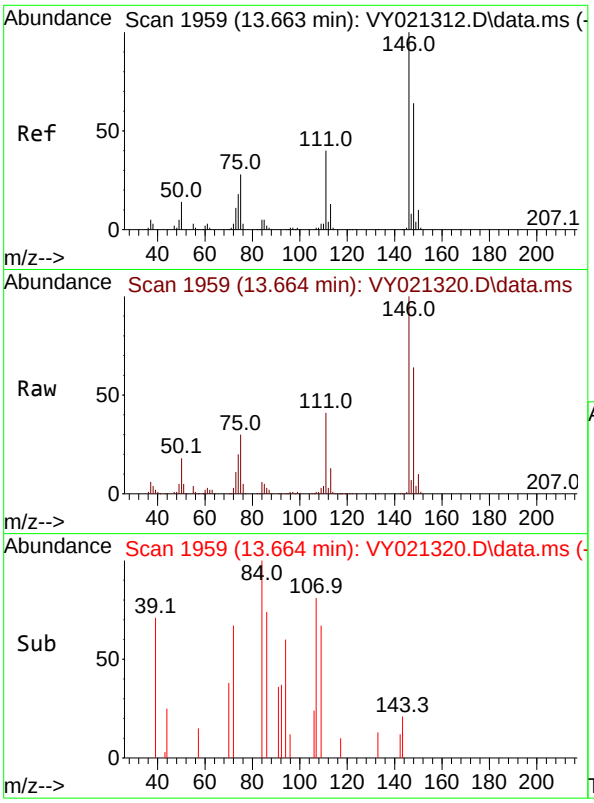


#90
Hexachloroethane
Concen: 47.306 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 88564

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2



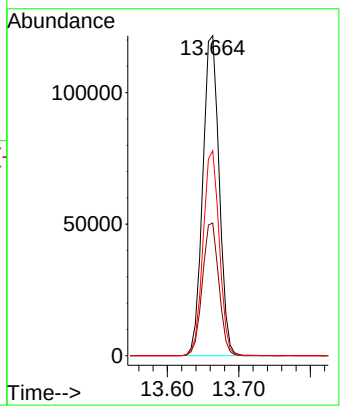


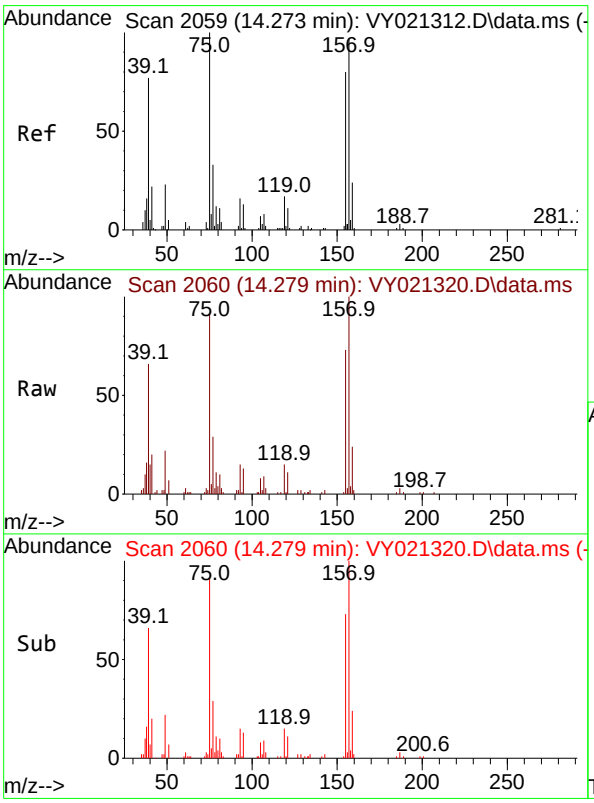
#91
1,2-Dichlorobenzene
Concen: 48.457 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 193750

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	63.4	31.7	95.1

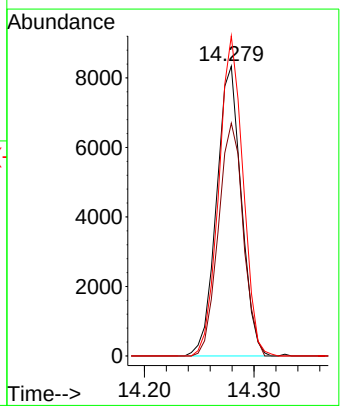


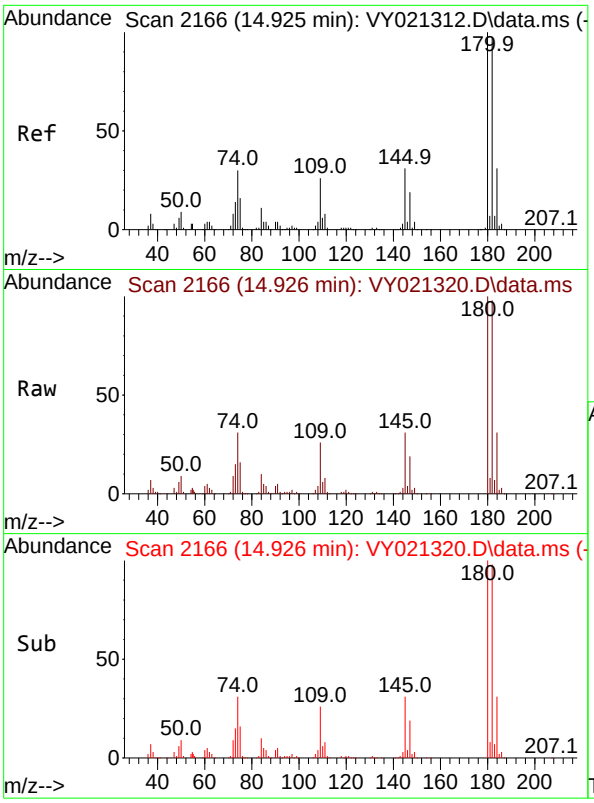


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.306 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 13100

Ion	Ratio	Lower	Upper
75	100		
155	80.5	41.9	125.6
157	107.7	52.5	157.6



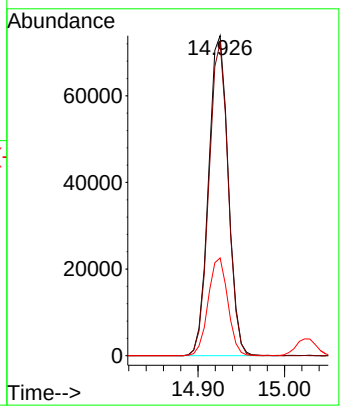


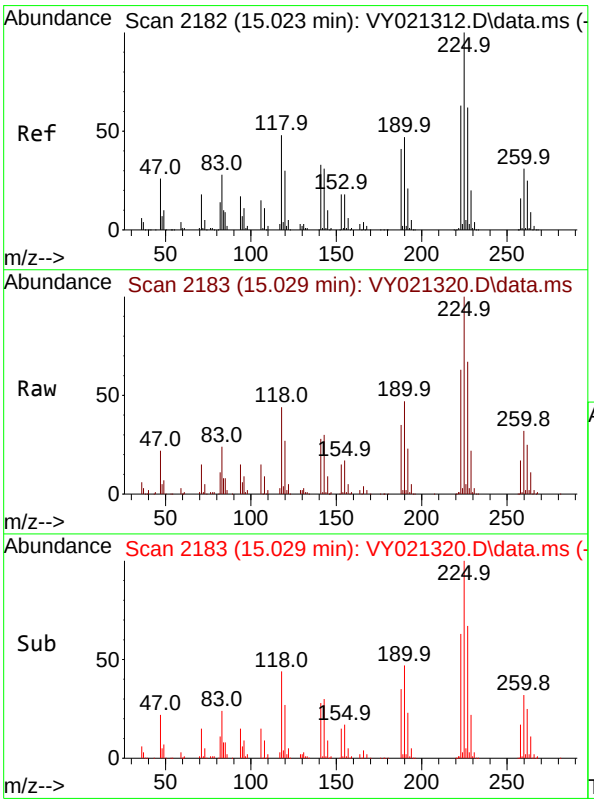
#93
1,2,4-Trichlorobenzene
Concen: 47.769 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 116572

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	30.4	15.6	46.8

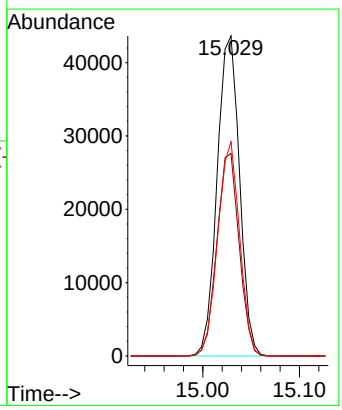


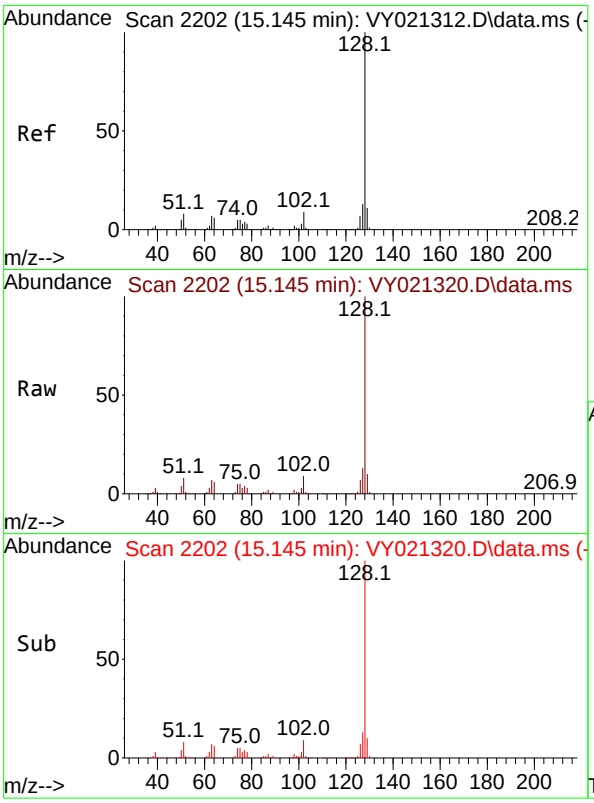


#94
Hexachlorobutadiene
Concen: 45.603 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:225 Resp: 70063

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.8	95.4
227	65.3	31.9	95.7



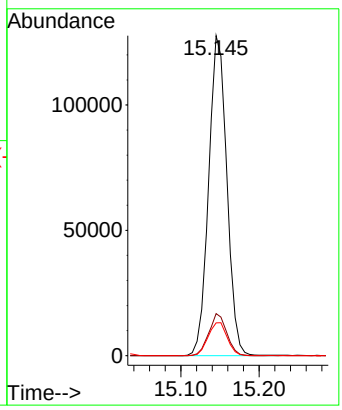


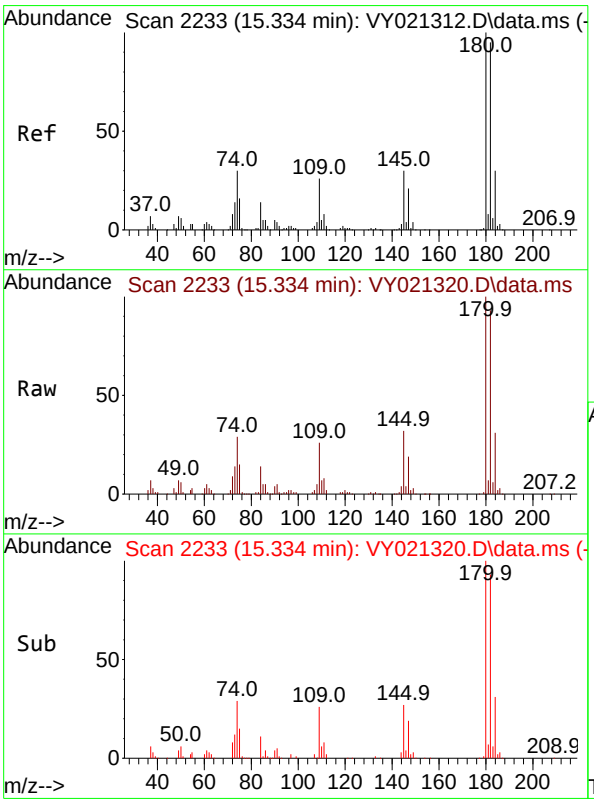
#95
Naphthalene
Concen: 50.937 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 205892

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7

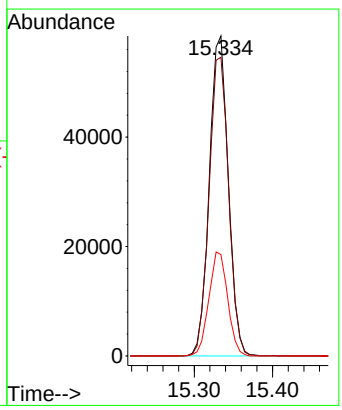




#96
1,2,3-Trichlorobenzene
Concen: 47.779 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 98515

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.2	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	184417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	291138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	254891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97685	46.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.380%			
35) Dibromofluoromethane	7.634	113	90492	47.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.820%			
50) Toluene-d8	10.109	98	351200	47.609	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.407	95	117404	47.291	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	34125	19.517	ug/l	97
3) Chloromethane	2.068	50	42771	18.941	ug/l	96
4) Vinyl Chloride	2.202	62	42765	19.295	ug/l	98
5) Bromomethane	2.592	94	28297	19.212	ug/l	100
6) Chloroethane	2.732	64	26124	19.007	ug/l	95
7) Trichlorofluoromethane	3.056	101	63673	19.022	ug/l	100
8) Diethyl Ether	3.452	74	19334	19.245	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	38299	19.763	ug/l	98
10) Methyl Iodide	4.007	142	37750	18.516	ug/l	99
11) Tert butyl alcohol	4.854	59	13942	86.641	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	35305	19.026	ug/l	96
13) Acrolein	3.653	56	20005	162.231	ug/l	95
14) Allyl chloride	4.385	41	62973	19.141	ug/l	98
15) Acrylonitrile	5.061	53	42599	95.903	ug/l	99
16) Acetone	3.872	43	38073	94.873	ug/l	99
17) Carbon Disulfide	4.104	76	114721	18.619	ug/l	100
18) Methyl Acetate	4.385	43	18152	18.509	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	93663	19.105	ug/l	100
20) Methylene Chloride	4.610	84	40120	18.488	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	38871	19.029	ug/l	97
22) Diisopropyl ether	6.018	45	134550	19.764	ug/l	100
23) Vinyl Acetate	5.957	43	386141	94.917	ug/l	98
24) 1,1-Dichloroethane	5.915	63	73384	19.125	ug/l	99
25) 2-Butanone	6.890	43	56272	92.910	ug/l	100
26) 2,2-Dichloropropane	6.884	77	66242	19.026	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	44795	19.204	ug/l	99
28) Bromochloromethane	7.244	49	30330	17.864	ug/l	99
29) Tetrahydrofuran	7.262	42	37274	94.152	ug/l	98
30) Chloroform	7.421	83	75017	19.294	ug/l	99
31) Cyclohexane	7.701	56	69642	18.881	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	67879	19.180	ug/l	99
36) 1,1-Dichloropropene	7.835	75	55184	19.247	ug/l	100
37) Ethyl Acetate	6.988	43	28035	19.657	ug/l	99
38) Carbon Tetrachloride	7.817	117	61214	18.991	ug/l	96
39) Methylcyclohexane	9.109	83	68527	18.897	ug/l	97
40) Benzene	8.079	78	163641	19.308	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	10887	13.653 ug/l #	73
42) 1,2-Dichloroethane	8.158	62	46152	19.193 ug/l	100
43) Isopropyl Acetate	8.195	43	51417	18.626 ug/l	99
44) Trichloroethene	8.865	130	40770	19.214 ug/l	98
45) 1,2-Dichloropropane	9.140	63	39037	19.139 ug/l	95
46) Dibromomethane	9.231	93	21795	19.549 ug/l	97
47) Bromodichloromethane	9.420	83	56650	19.056 ug/l	97
48) Methyl methacrylate	9.219	41	25014	19.377 ug/l	99
49) 1,4-Dioxane	9.231	88	4576	369.128 ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	131838	93.298 ug/l	100
52) Toluene	10.170	92	101381	19.255 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	51842	19.034 ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	61986	19.278 ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	27740	19.099 ug/l	97
56) Ethyl methacrylate	10.438	69	37632	18.751 ug/l	99
57) 1,3-Dichloropropane	10.719	76	49393	19.380 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	87093	90.414 ug/l	100
59) 2-Hexanone	10.761	43	87008	93.755 ug/l	99
60) Dibromochloromethane	10.908	129	38212	19.318 ug/l	100
61) 1,2-Dibromoethane	11.011	107	25849	18.799 ug/l	96
64) Tetrachloroethene	10.646	164	36984	19.197 ug/l	97
65) Chlorobenzene	11.444	112	108578	18.977 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	39302	19.617 ug/l	98
67) Ethyl Benzene	11.517	91	192592	19.003 ug/l	100
68) m/p-Xylenes	11.627	106	147929	38.806 ug/l	100
69) o-Xylene	11.956	106	69071	19.342 ug/l	99
70) Styrene	11.969	104	114447	19.262 ug/l	99
71) Bromoform	12.133	173	21872	19.083 ug/l #	99
73) Isopropylbenzene	12.255	105	184435	19.058 ug/l	100
74) N-amyl acetate	12.072	43	44104	17.930 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32169	18.835 ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	42083	32.661 ug/l #	100
77) Bromobenzene	12.529	156	42599	18.925 ug/l	98
78) n-propylbenzene	12.596	91	226845	19.317 ug/l	100
79) 2-Chlorotoluene	12.682	91	128526	19.070 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	155422	19.582 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10066	17.364 ug/l	95
82) 4-Chlorotoluene	12.779	91	133936	19.171 ug/l	100
83) tert-Butylbenzene	12.999	119	136788	19.079 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	152431	19.310 ug/l	99
85) sec-Butylbenzene	13.176	105	204066	19.486 ug/l	100
86) p-Isopropyltoluene	13.291	119	167856	19.195 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	85257	19.148 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	84570	19.226 ug/l	99
89) n-Butylbenzene	13.621	91	155625	18.911 ug/l	100
90) Hexachloroethane	13.883	117	34224	18.736 ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	73256	18.778 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5025	18.599 ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	42148	17.702 ug/l	99
94) Hexachlorobutadiene	15.023	225	27956	18.650 ug/l	99
95) Naphthalene	15.151	128	68106	17.269 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	36072	17.931 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

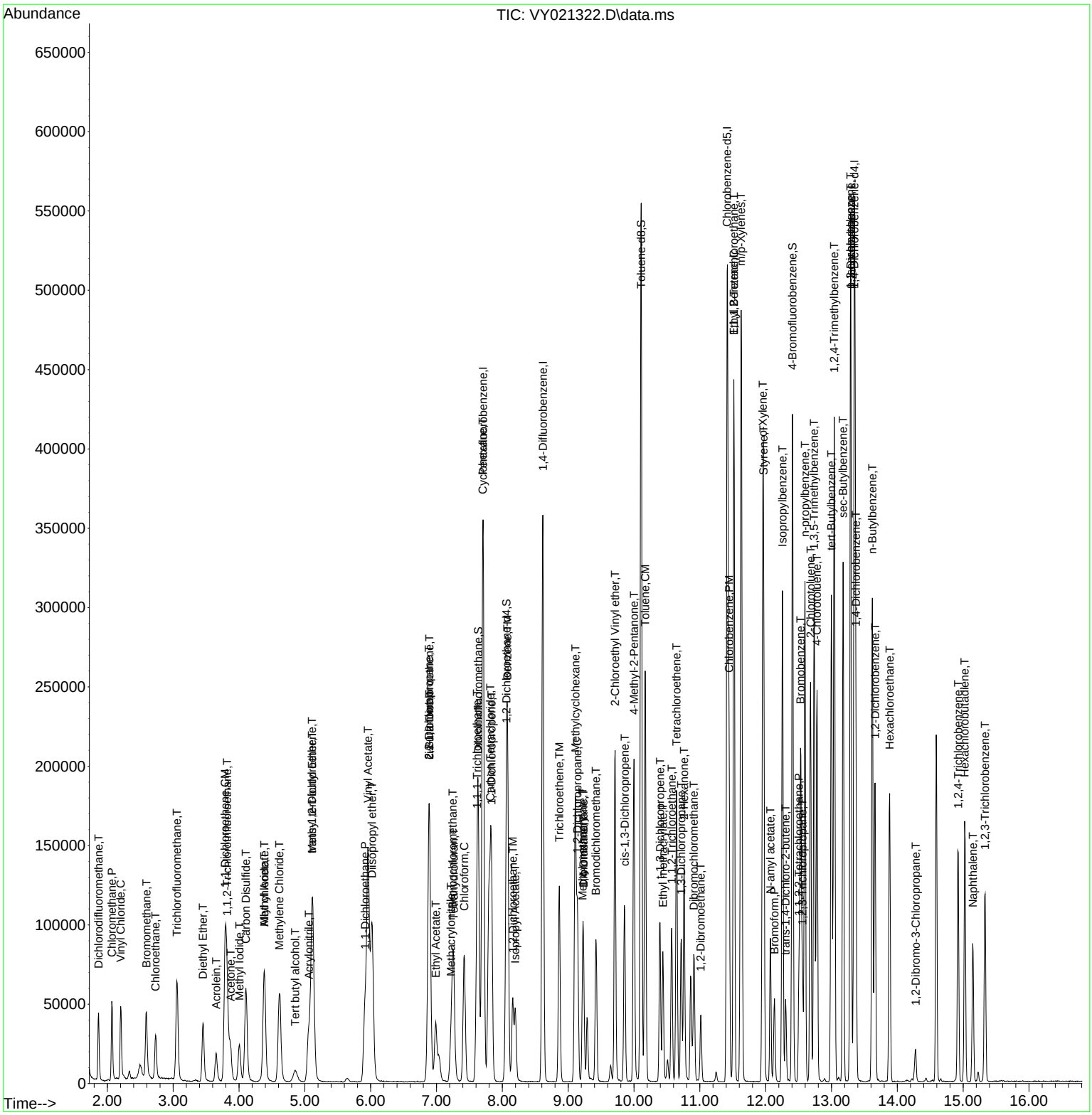
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

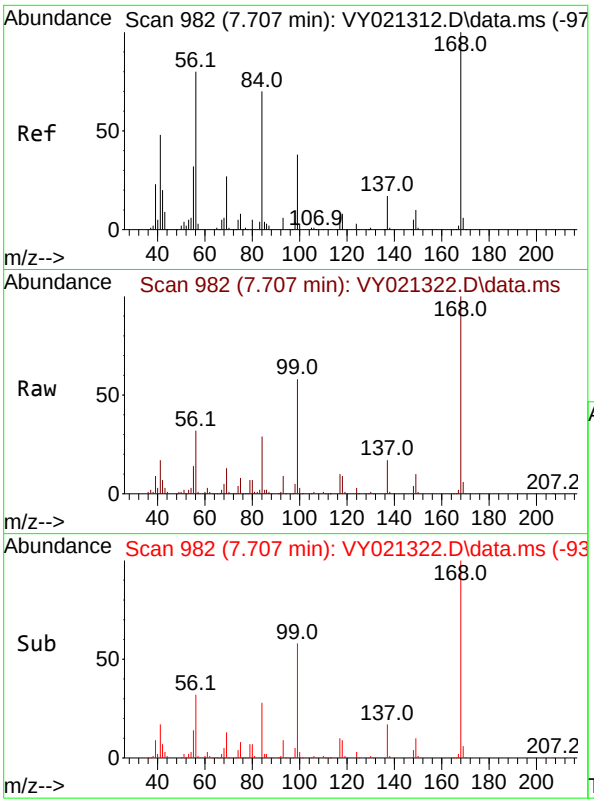
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



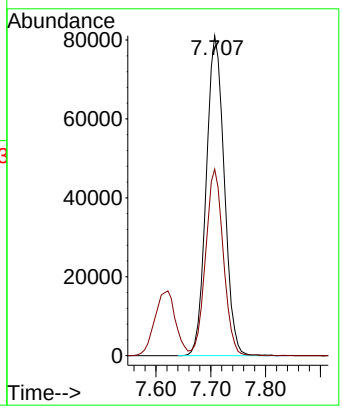


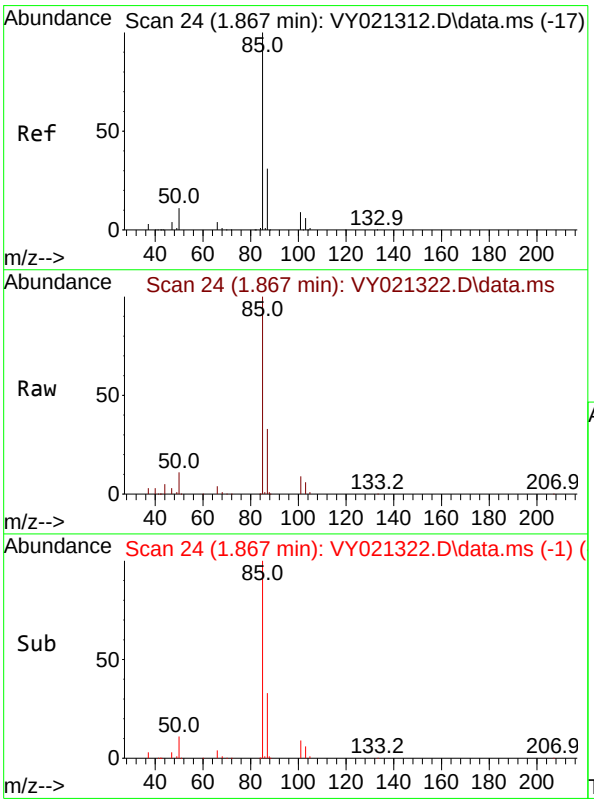
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:168 Resp: 184417

Ion	Ratio	Lower	Upper
168	100		
99	58.3	47.1	70.7

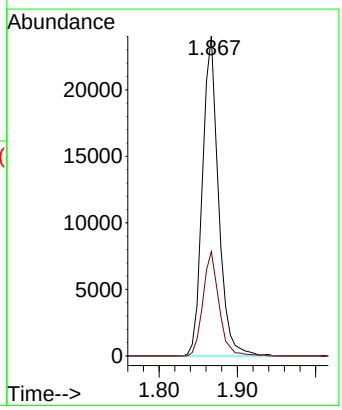


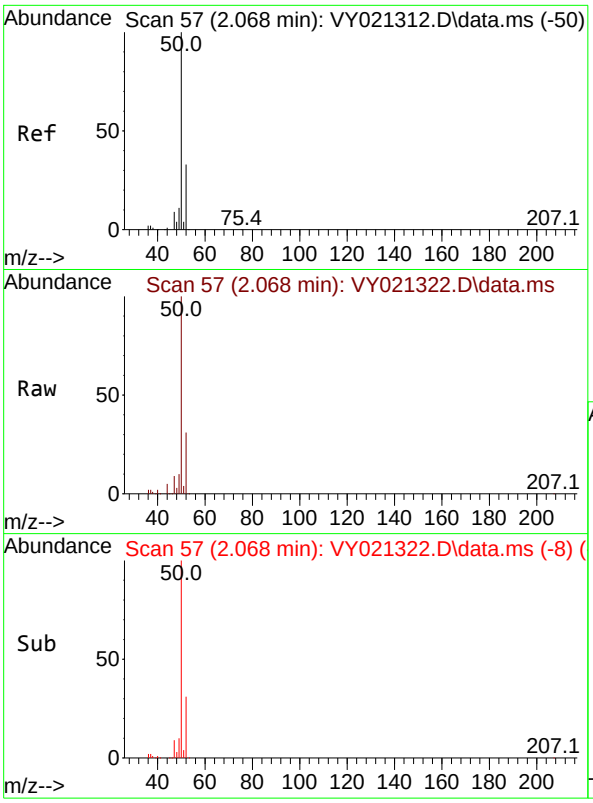


#2
Dichlorodifluoromethane
Concen: 19.517 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 85 Resp: 34125

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4



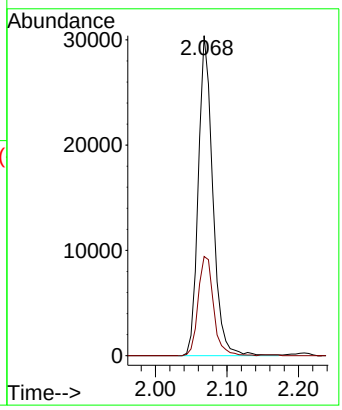


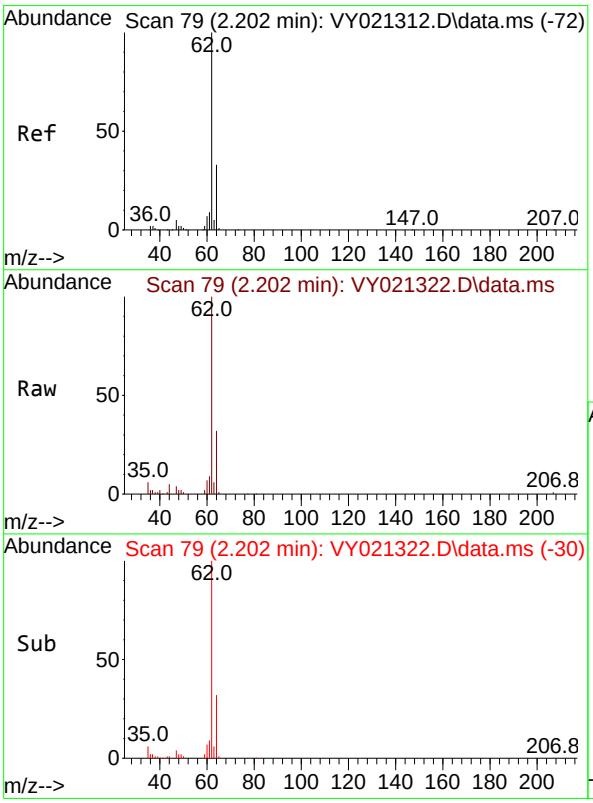
#3
Chloromethane
Concen: 18.941 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 50 Resp: 42771

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.6	40.0

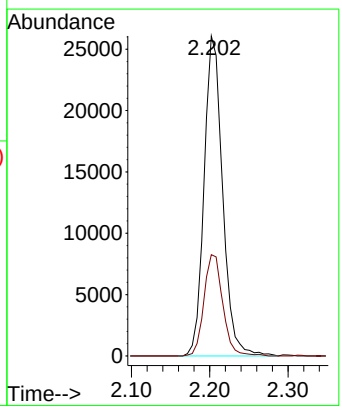


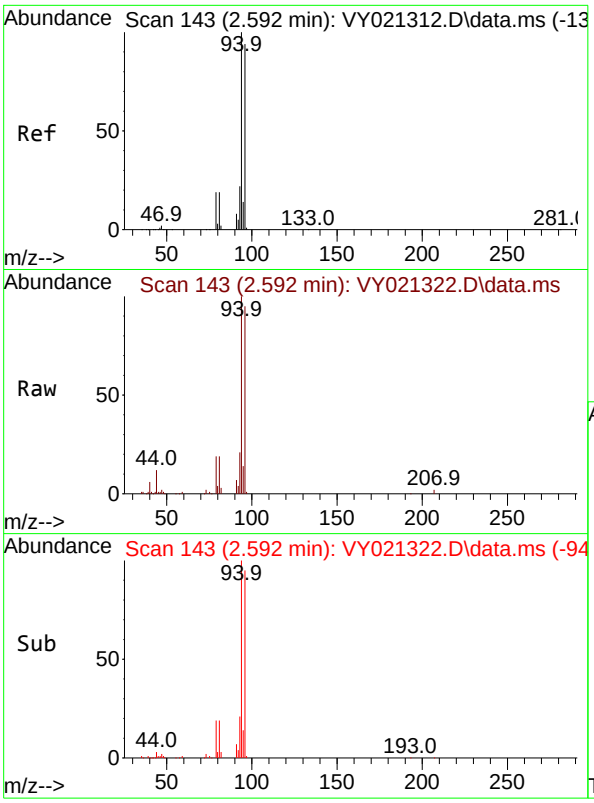


#4
Vinyl Chloride
Concen: 19.295 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 42765

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.3	39.5



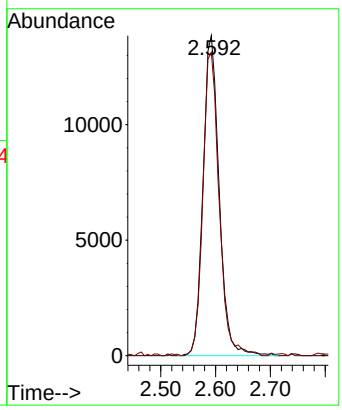


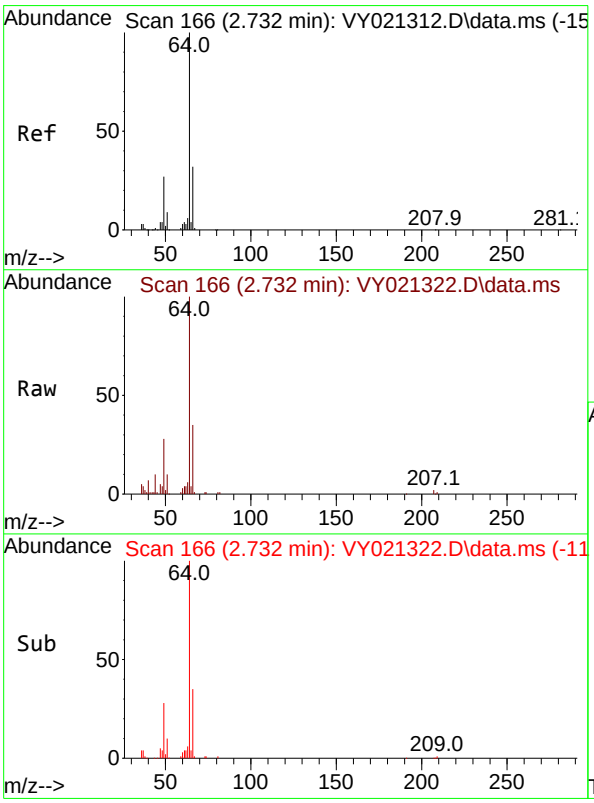
#5
Bromomethane
Concen: 19.212 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 94 Resp: 28297

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8

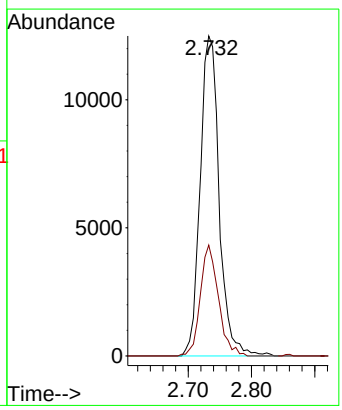


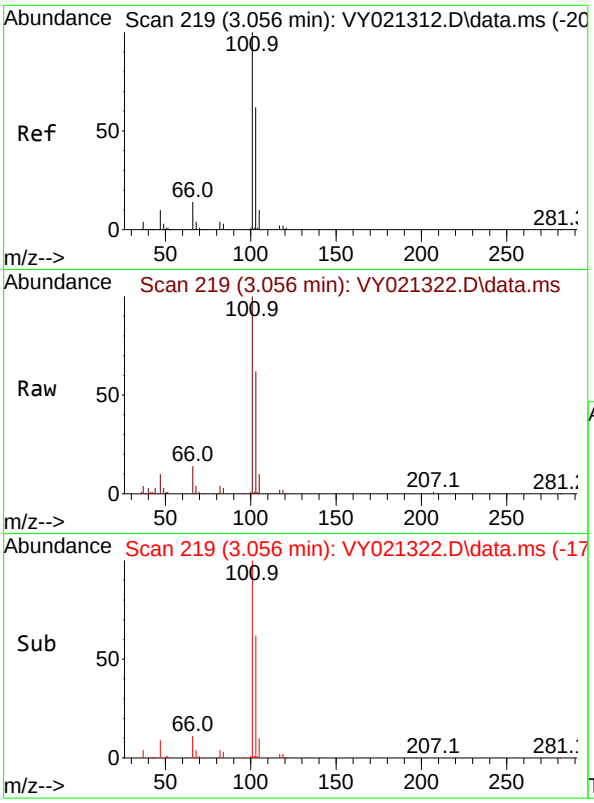


#6
Chloroethane
Concen: 19.007 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 64 Resp: 26124

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.4	38.0



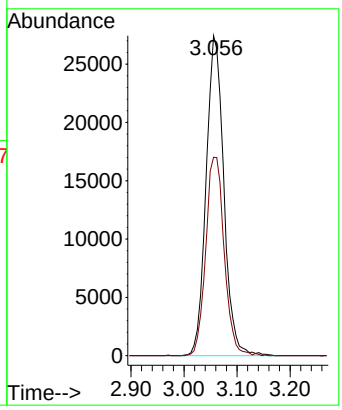


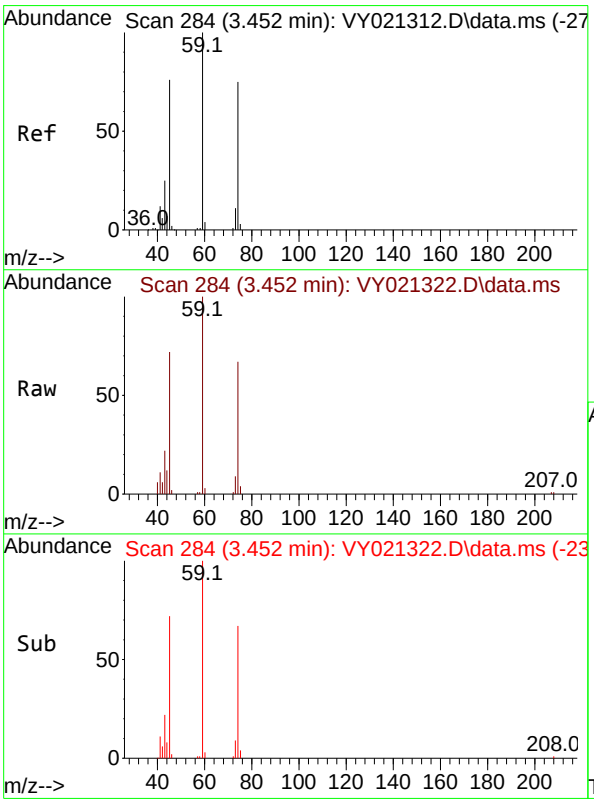
#7
Trichlorofluoromethane
Concen: 19.022 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:101 Resp: 63673

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.7	74.5

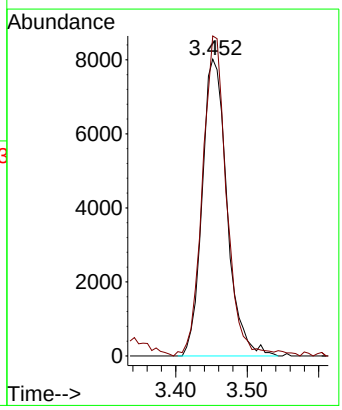


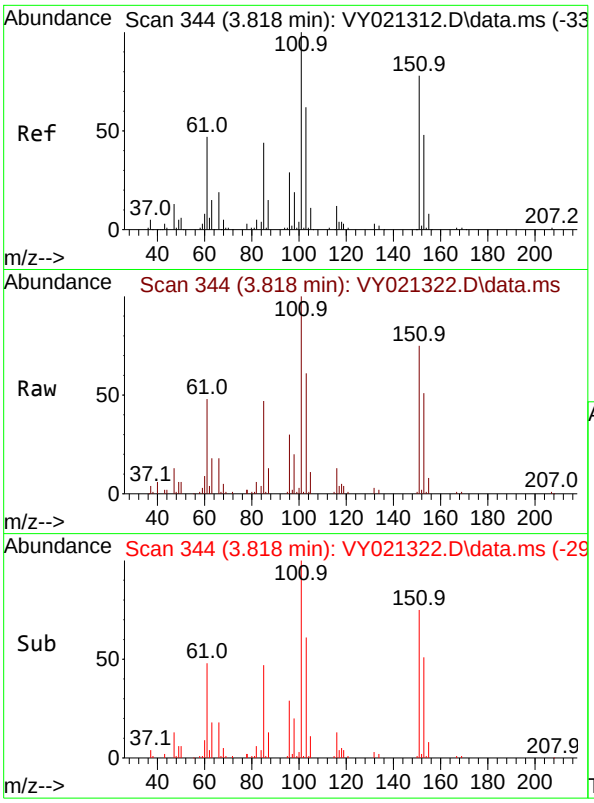


#8
Diethyl Ether
Concen: 19.245 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 74 Resp: 19334

Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.3	150.9



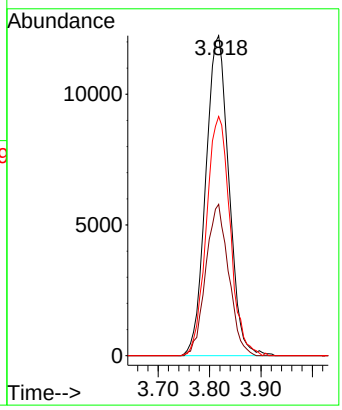


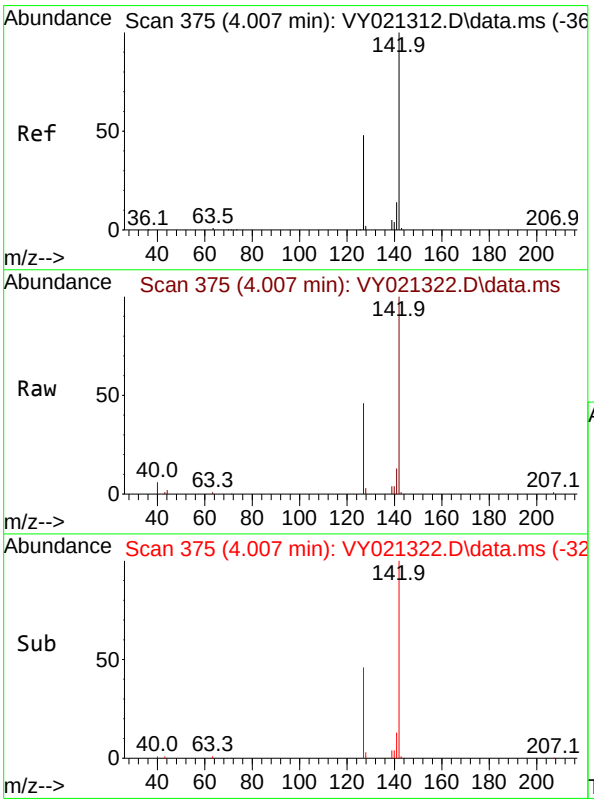
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.763 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:101 Resp: 38299

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.7	55.1
151	76.6	62.6	94.0

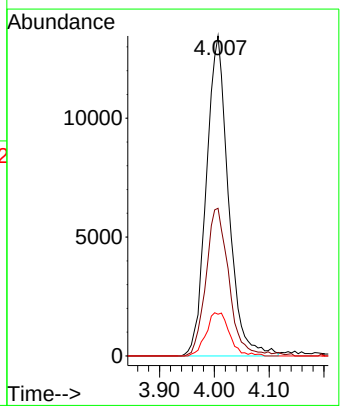


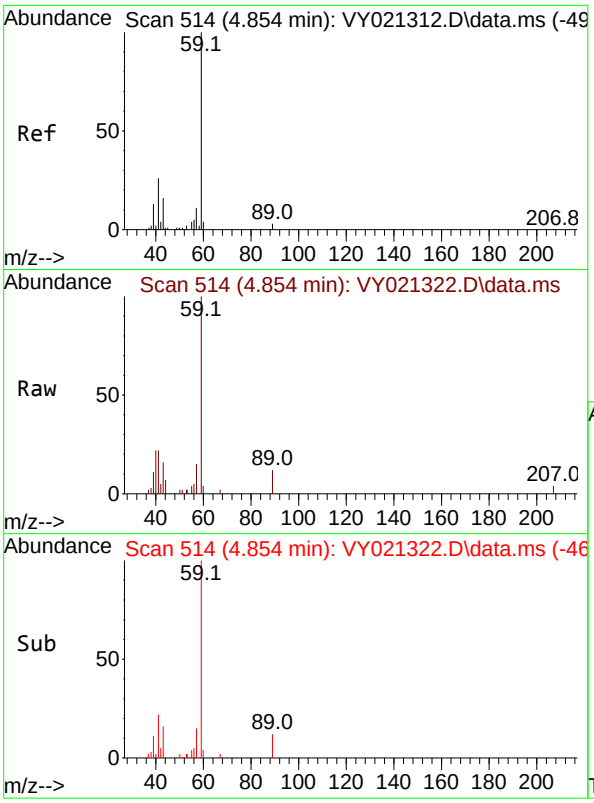


#10
Methyl Iodide
Concen: 18.516 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:142 Resp: 37750

Ion	Ratio	Lower	Upper
142	100		
127	47.7	39.2	58.8
141	14.3	11.4	17.2



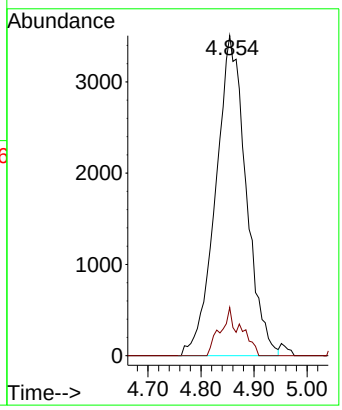


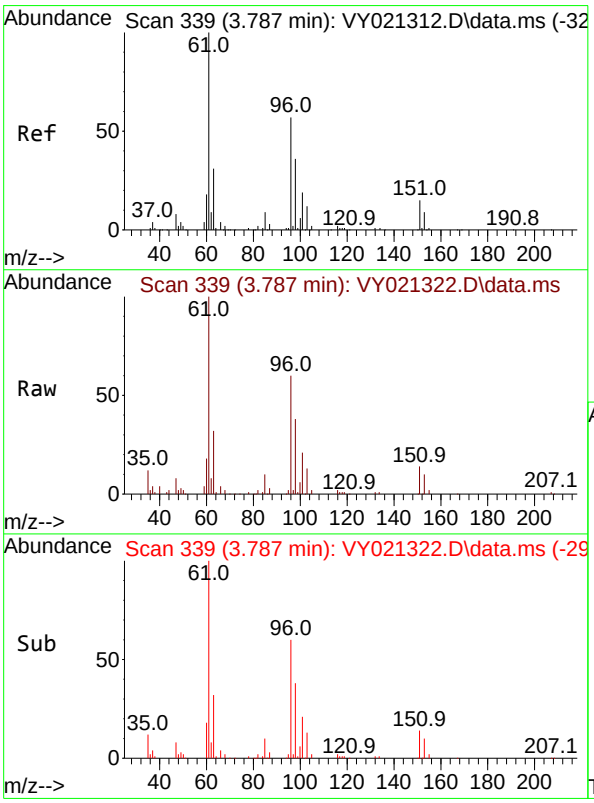
#11
Tert butyl alcohol
Concen: 86.641 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 59 Resp: 13942

Ion	Ratio	Lower	Upper
59	100		
57	6.7	8.3	12.5#

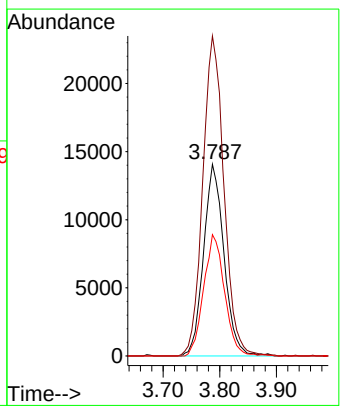


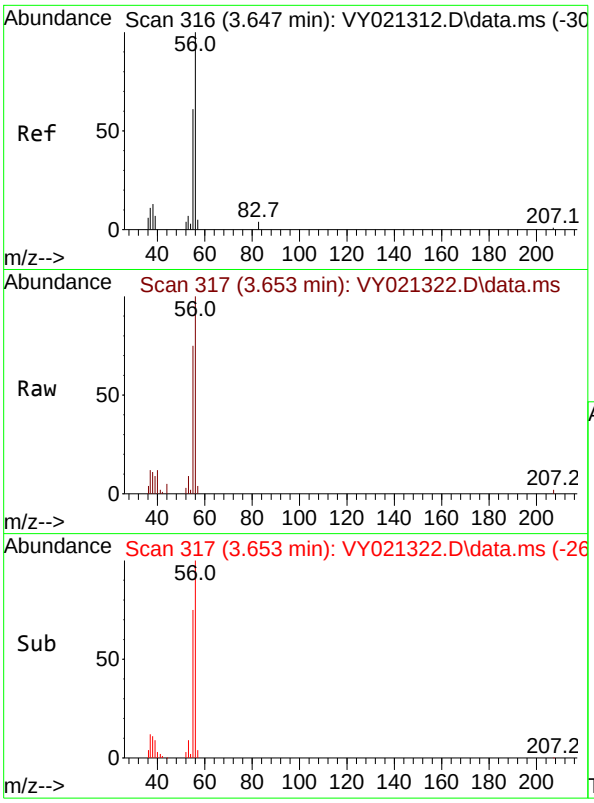


#12
1,1-Dichloroethene
Concen: 19.026 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 35305

Ion	Ratio	Lower	Upper
96	100		
61	167.0	139.7	209.5
98	63.3	49.7	74.5



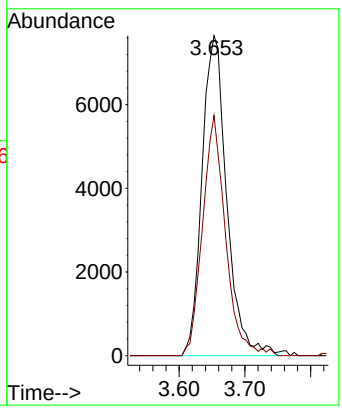


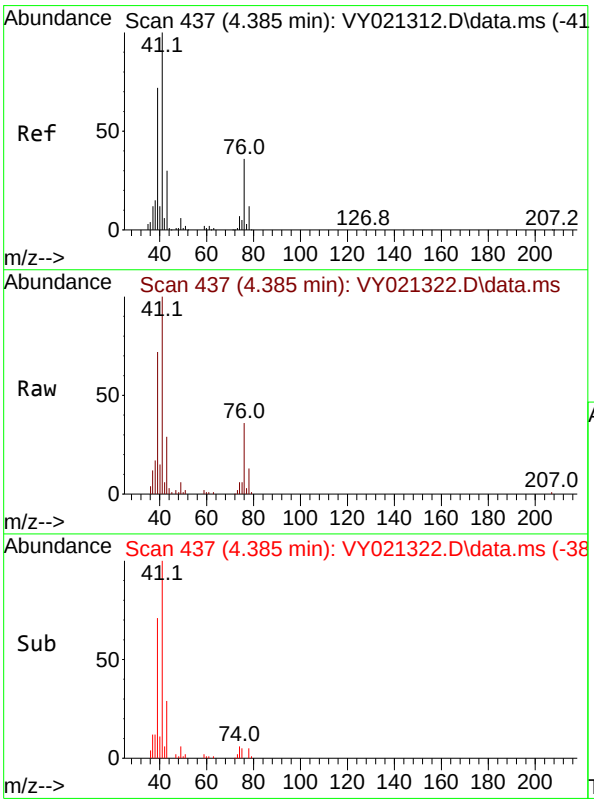
#13
Acrolein
Concen: 162.231 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 56 Resp: 20005

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6

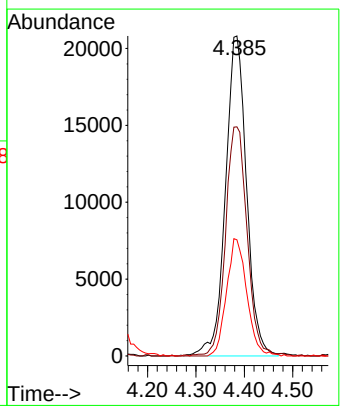


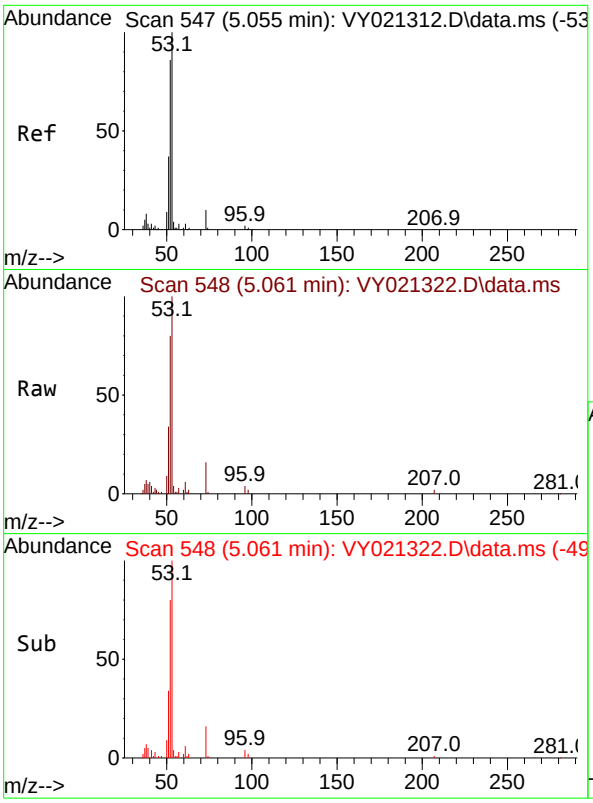


#14
Allyl chloride
Concen: 19.141 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 62973

Ion	Ratio	Lower	Upper
41	100		
39	73.4	60.0	90.0
76	35.3	29.0	43.6



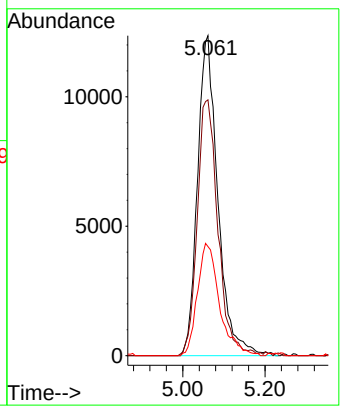


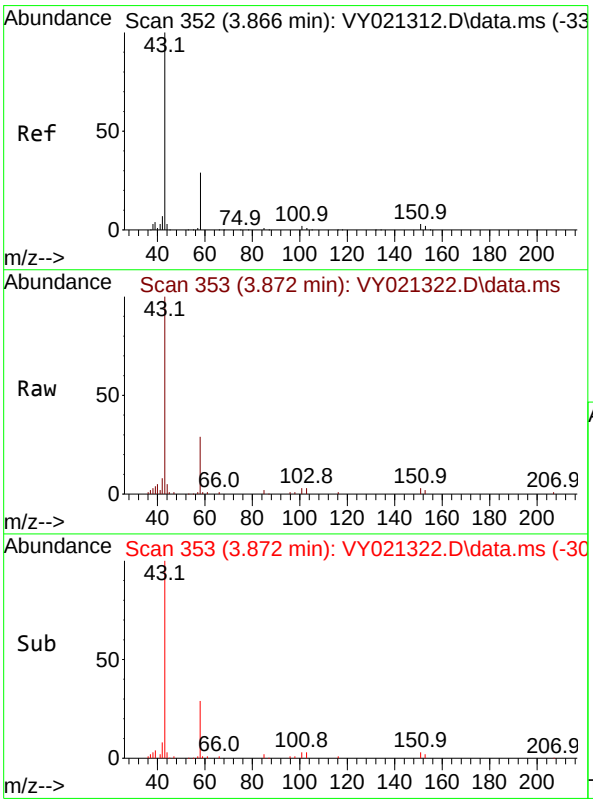
#15
Acrylonitrile
Concen: 95.903 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 53 Resp: 42599

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.5	98.3
51	38.0	30.6	46.0

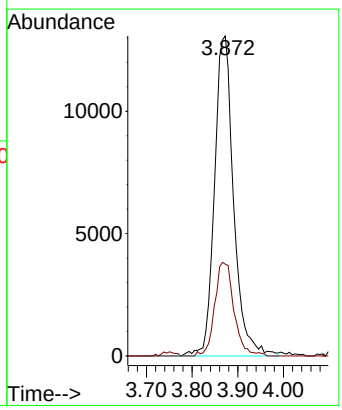


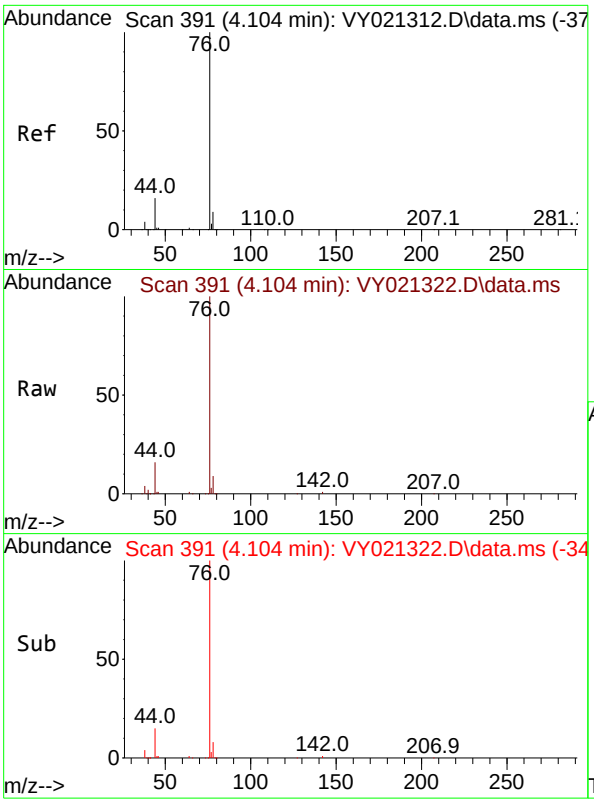


#16
Acetone
Concen: 94.873 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38073

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3



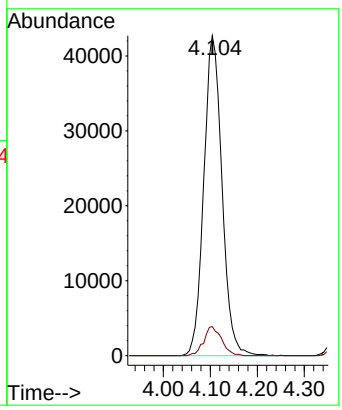


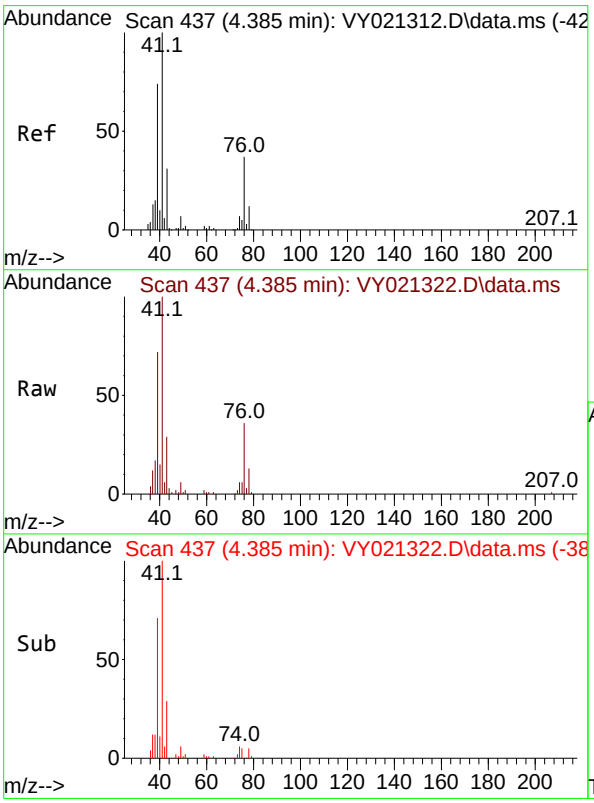
#17
Carbon Disulfide
Concen: 18.619 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 76 Resp: 114721

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

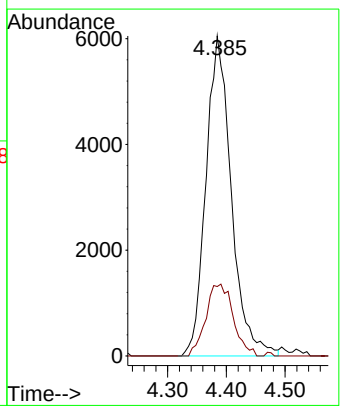


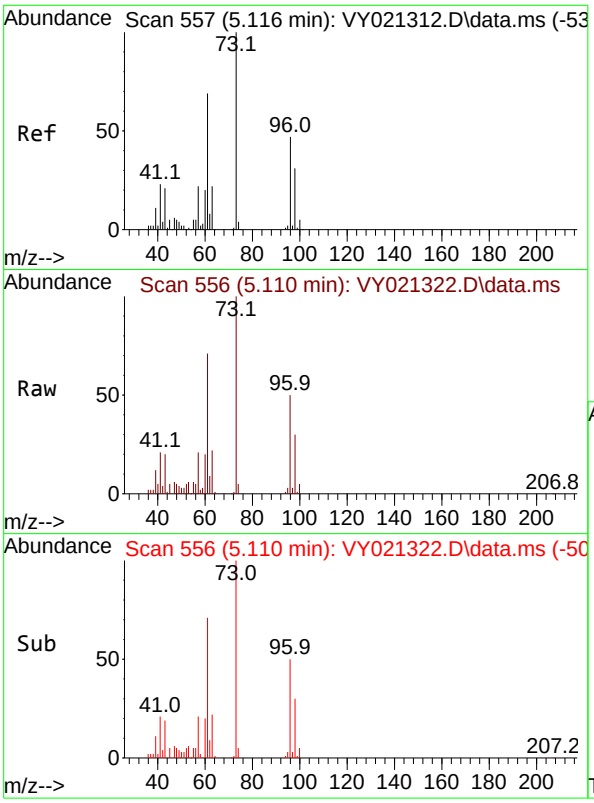


#18
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 18152

Ion	Ratio	Lower	Upper
43	100		
74	24.2	17.7	26.5



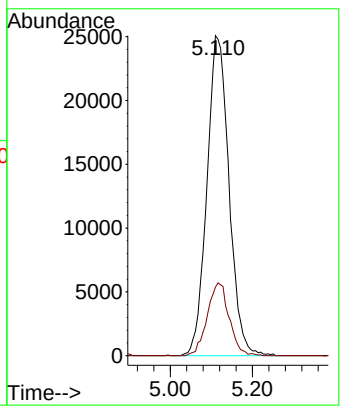


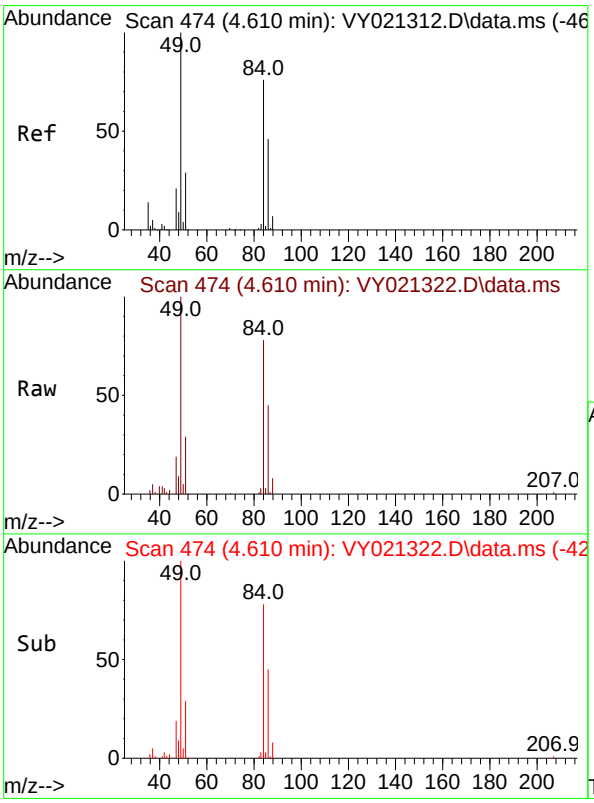
#19
Methyl tert-butyl Ether
Concen: 19.105 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 73 Resp: 93663

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0

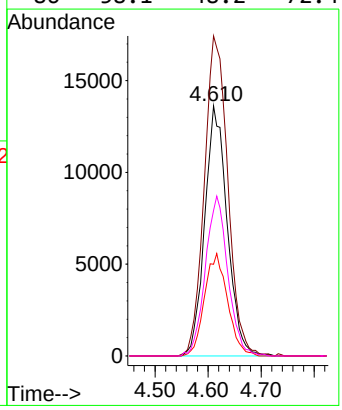


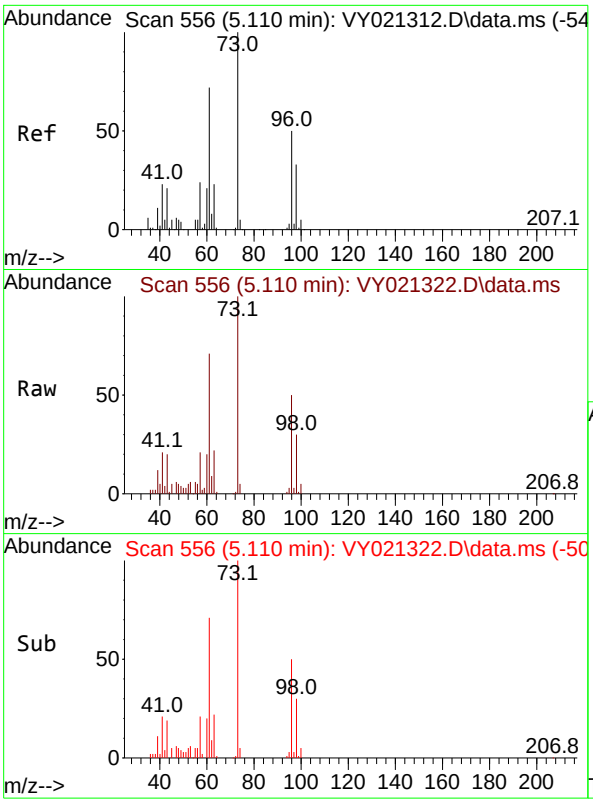


#20
Methylene Chloride
Concen: 18.488 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 84 Resp: 40120

Ion	Ratio	Lower	Upper
84	100		
49	128.0	105.1	157.7
51	36.7	31.0	46.4
86	58.1	48.2	72.4



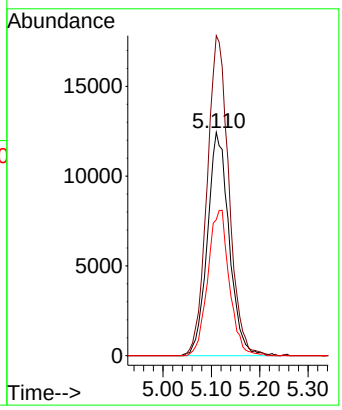


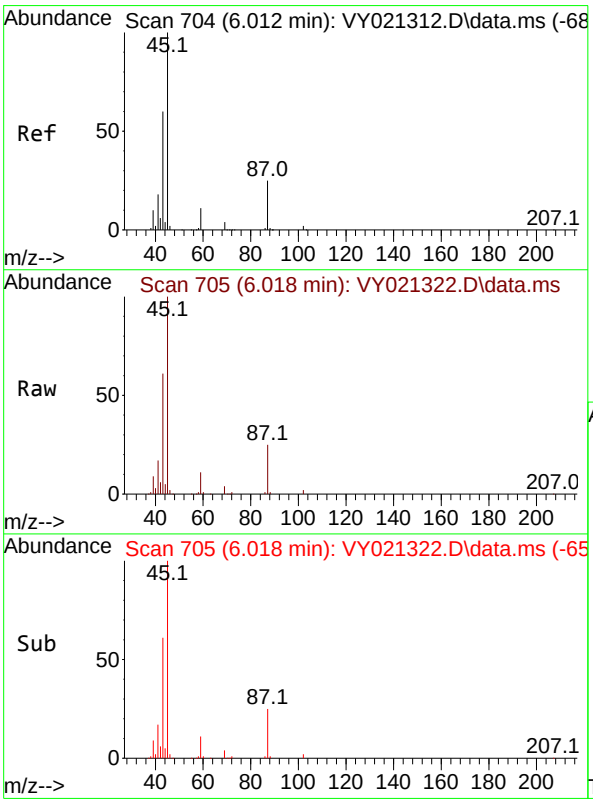
#21
trans-1,2-Dichloroethene
Concen: 19.029 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 96 Resp: 38871

Ion	Ratio	Lower	Upper
96	100		
61	143.3	116.3	174.5
98	60.9	52.6	78.8

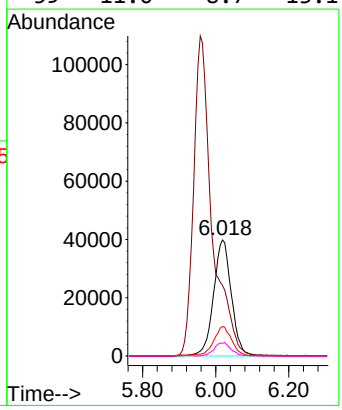


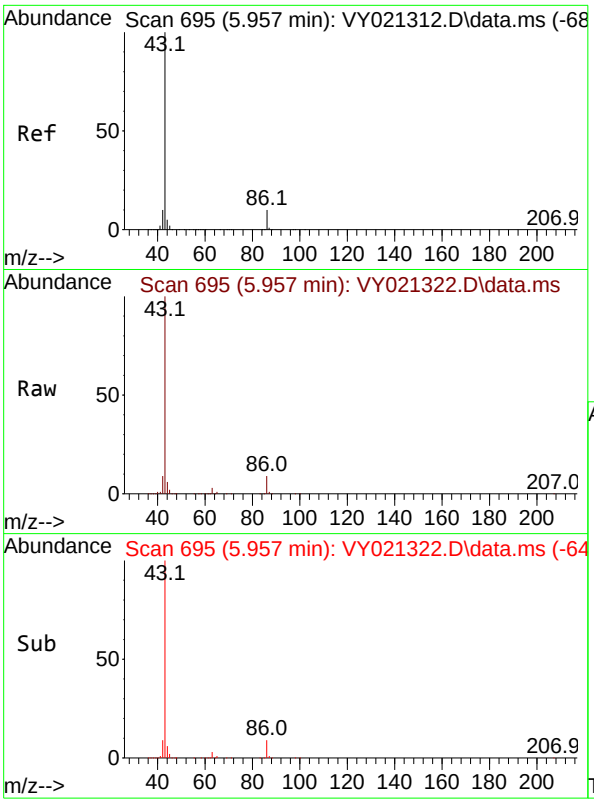


#22
Diisopropyl ether
Concen: 19.764 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 45 Resp: 134550

Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.2	72.4
87	25.4	20.3	30.5
59	11.0	8.7	13.1



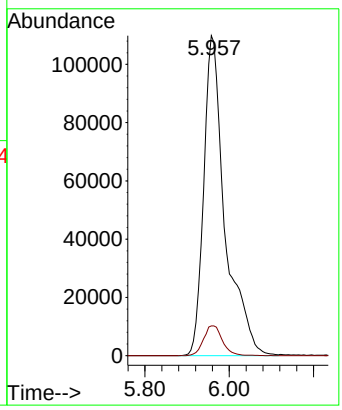


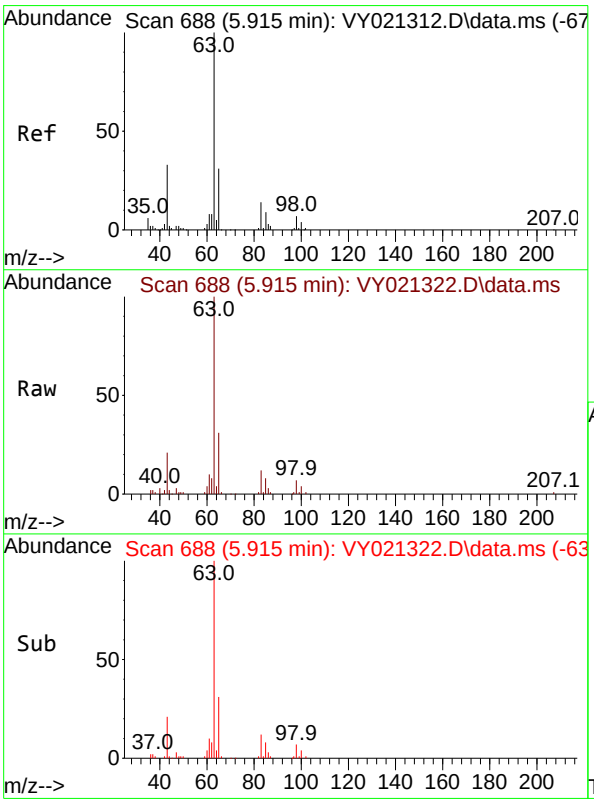
#23
Vinyl Acetate
Concen: 94.917 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 386141

Ion	Ratio	Lower	Upper
43	100		
86	9.3	8.0	12.0

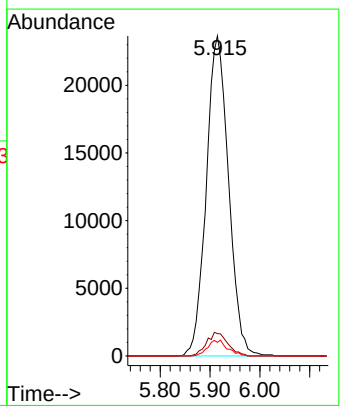


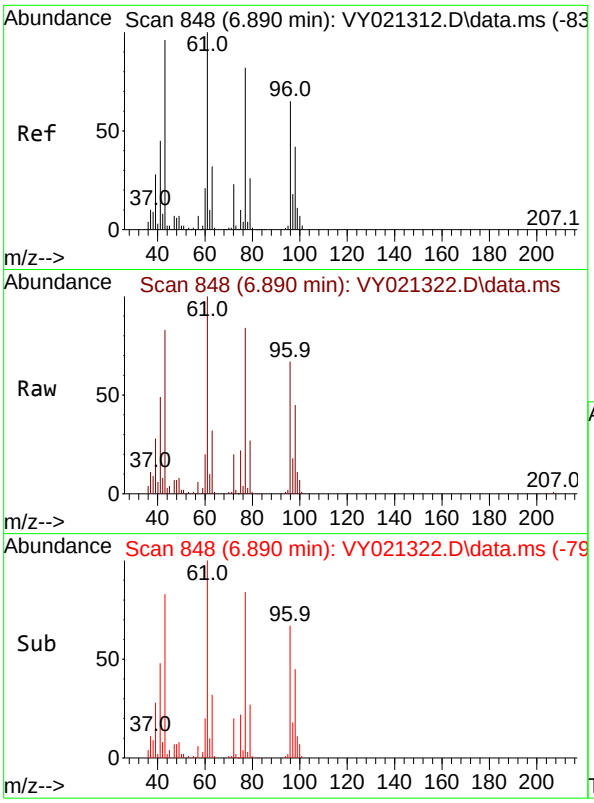


#24
1,1-Dichloroethane
Concen: 19.125 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 73384

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	4.3	2.1	6.5



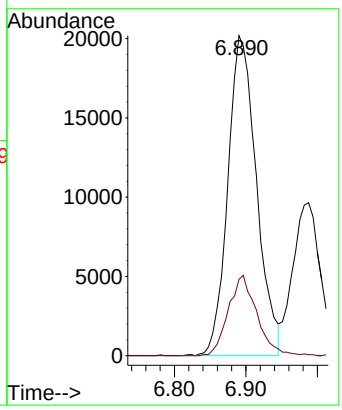


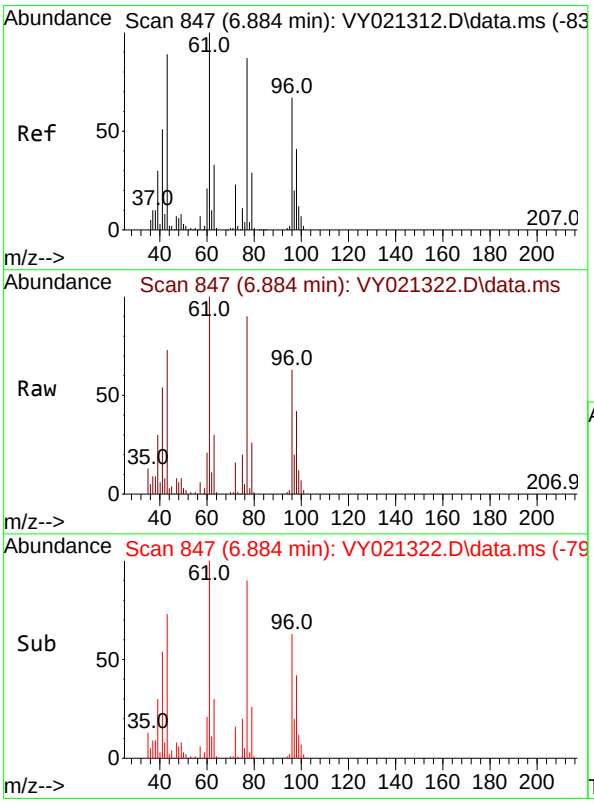
#25
2-Butanone
Concen: 92.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 56272

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.6

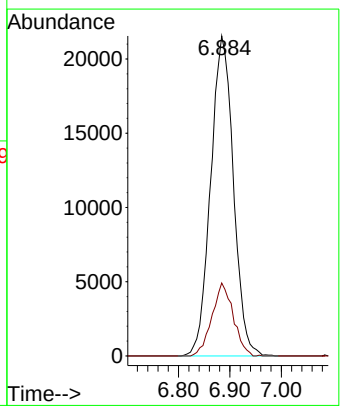


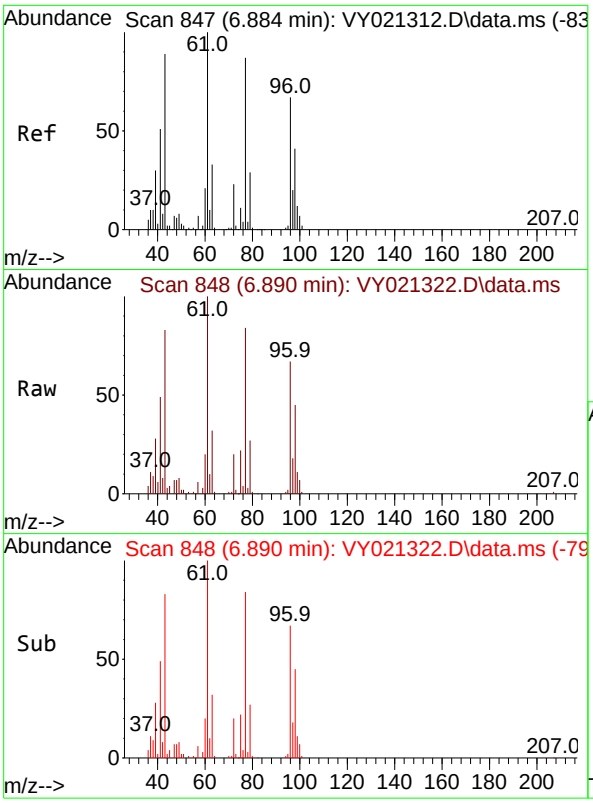


#26
2,2-Dichloropropane
Concen: 19.026 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 77 Resp: 66242

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7



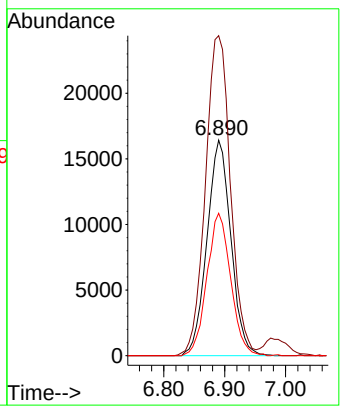


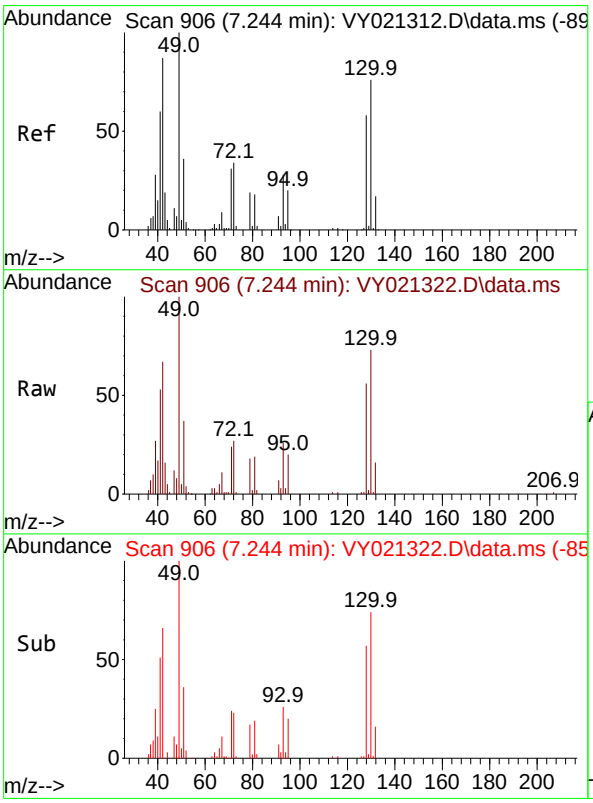
#27
cis-1,2-Dichloroethene
Concen: 19.204 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 96 Resp: 44795

Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	308.0
98	65.6	0.0	129.6

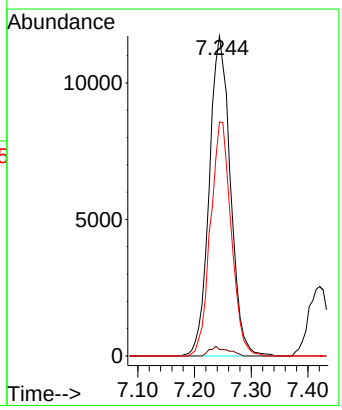


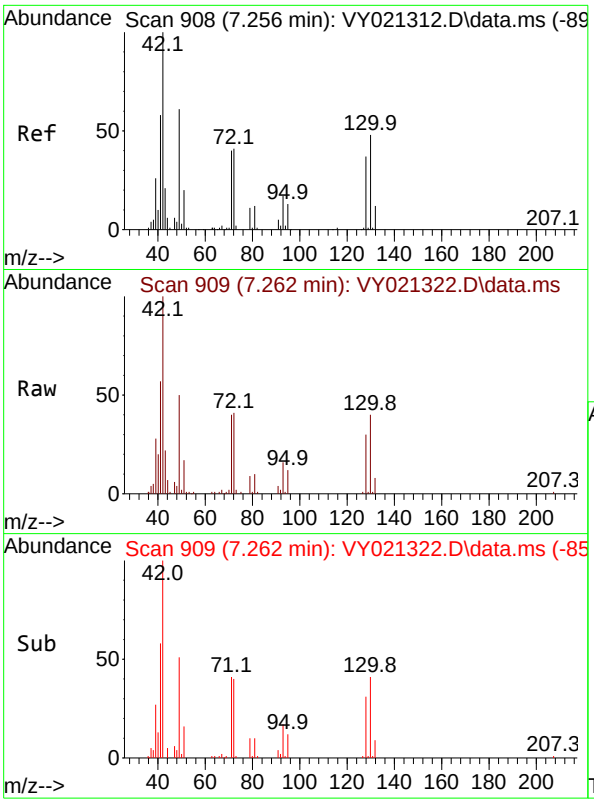


#28
Bromochloromethane
Concen: 17.864 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 49 Resp: 30330

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	71.7	57.8	86.6



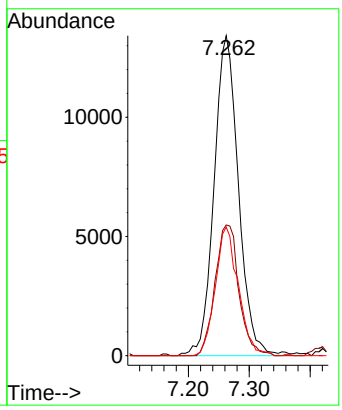


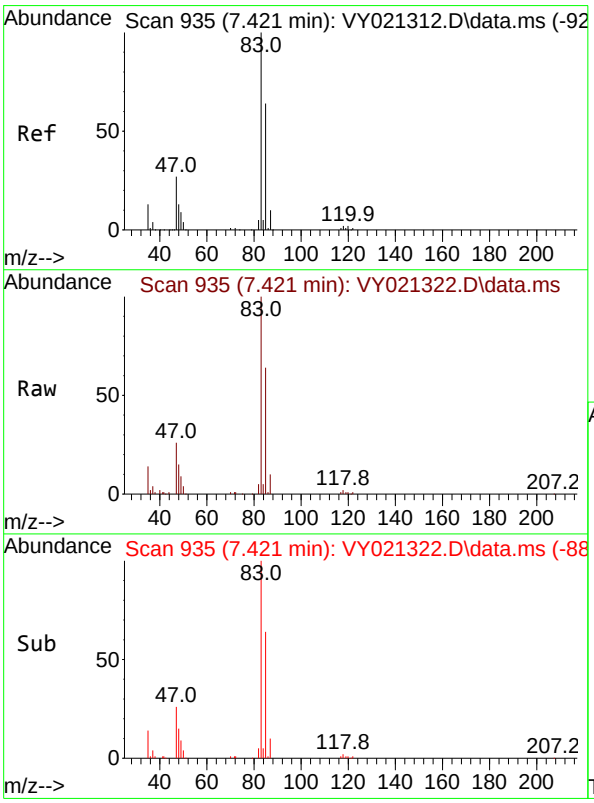
#29
Tetrahydrofuran
Concen: 94.152 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 42 Resp: 37274

Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.1	49.7
71	38.0	31.4	47.0

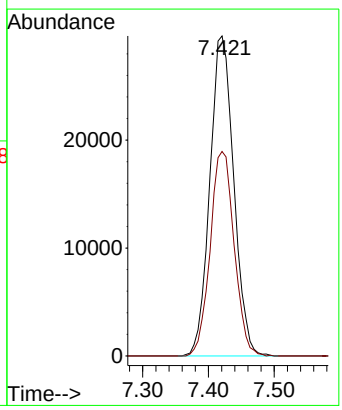


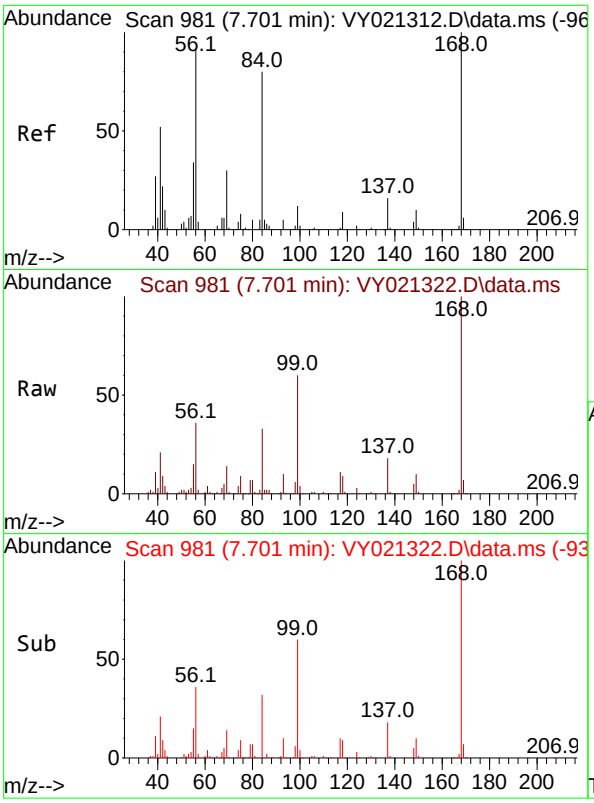


#30
Chloroform
Concen: 19.294 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 75017

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4



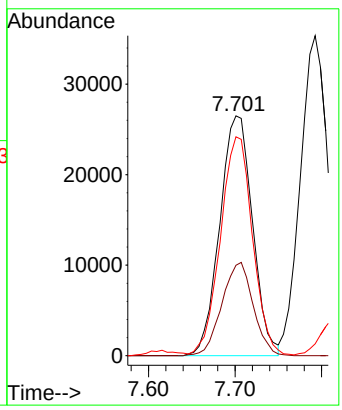


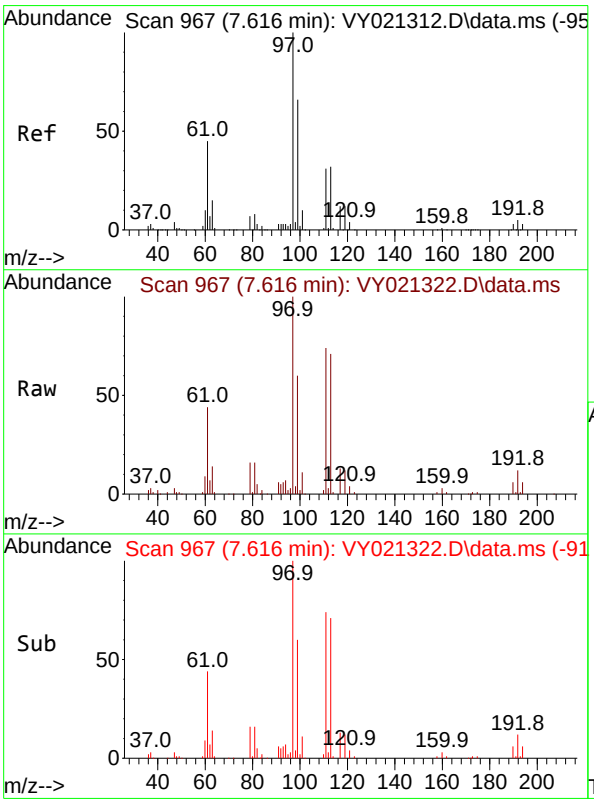
#31
Cyclohexane
Concen: 18.881 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 56 Resp: 69642

Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.2	39.4
84	90.1	70.2	105.4

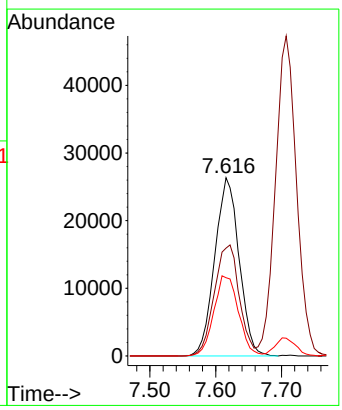


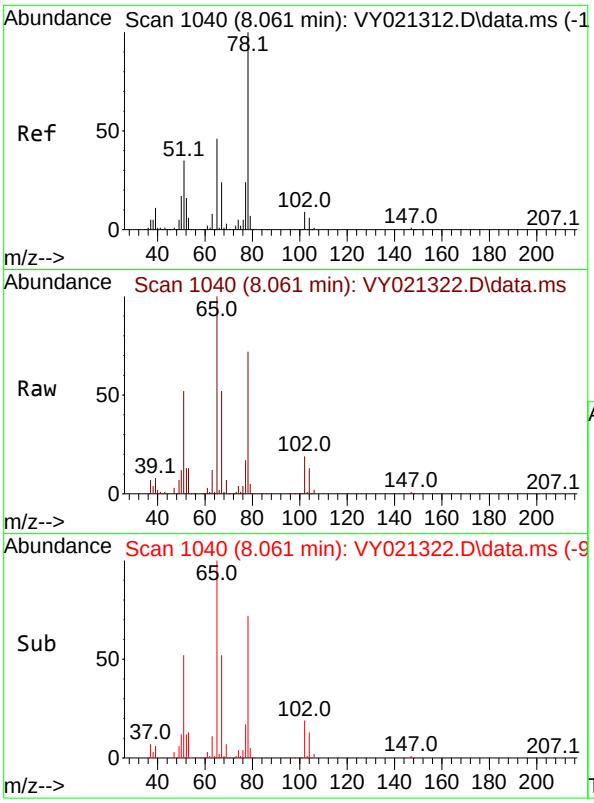


#32
1,1,1-Trichloroethane
Concen: 19.180 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 67879

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.4	78.6
61	45.6	36.2	54.2



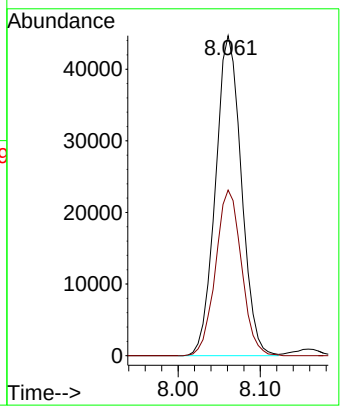


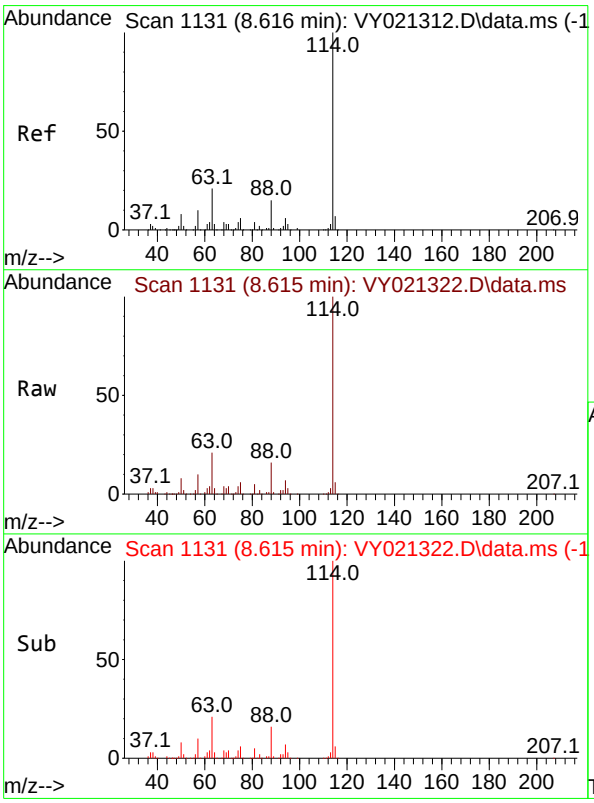
#33
1,2-Dichloroethane-d4
Concen: 46.693 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 65 Resp: 97685

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

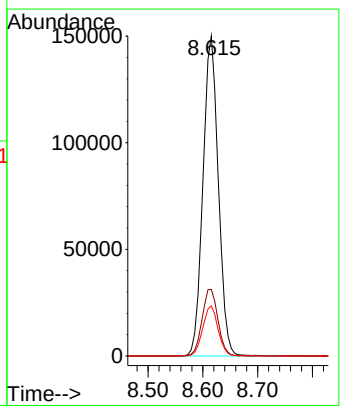


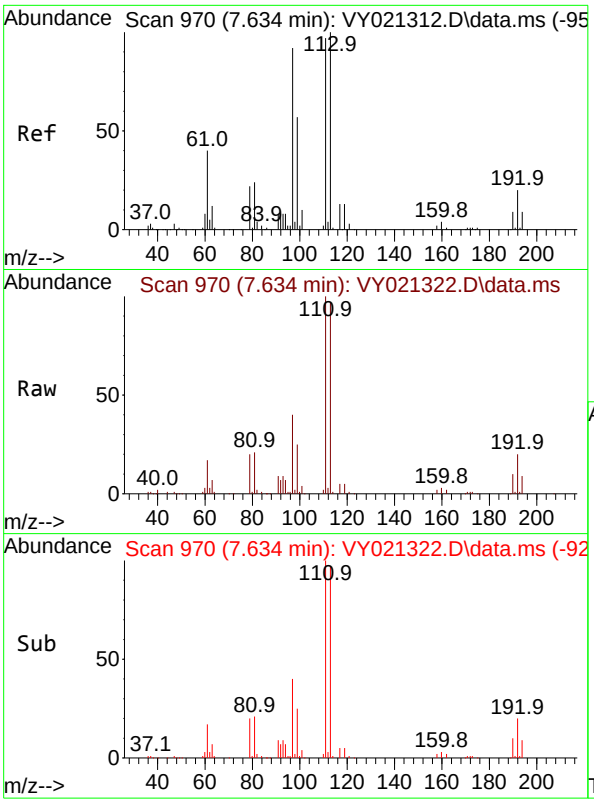


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:114 Resp: 291138

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.2
88	15.6	0.0	29.8



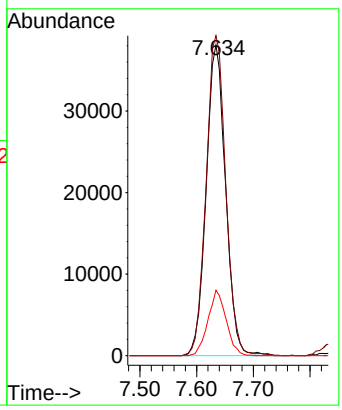


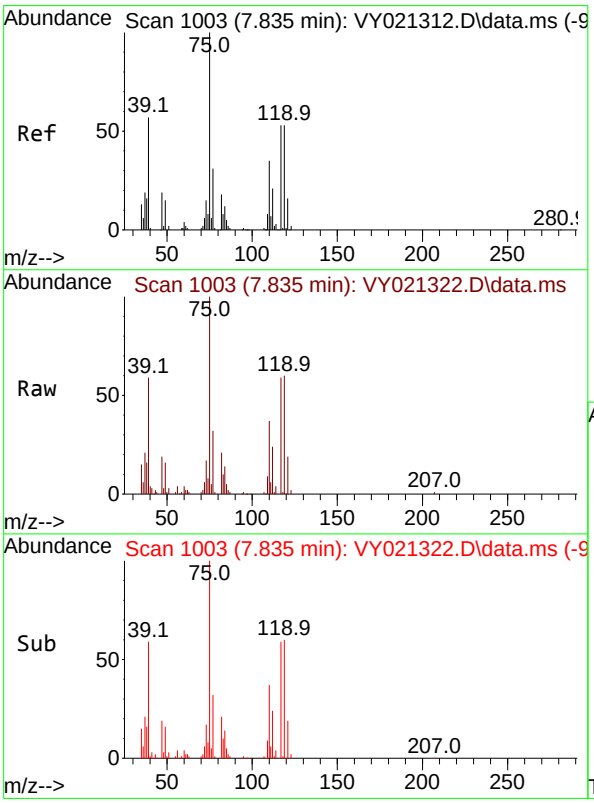
#35
Dibromofluoromethane
Concen: 47.410 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:113 Resp: 90492

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.6
192	19.8	15.8	23.8

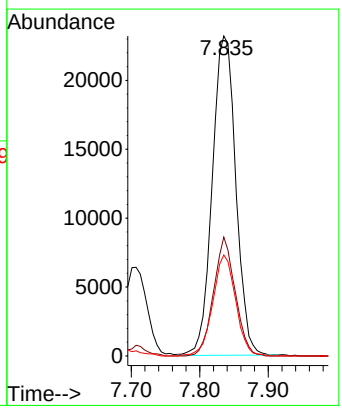


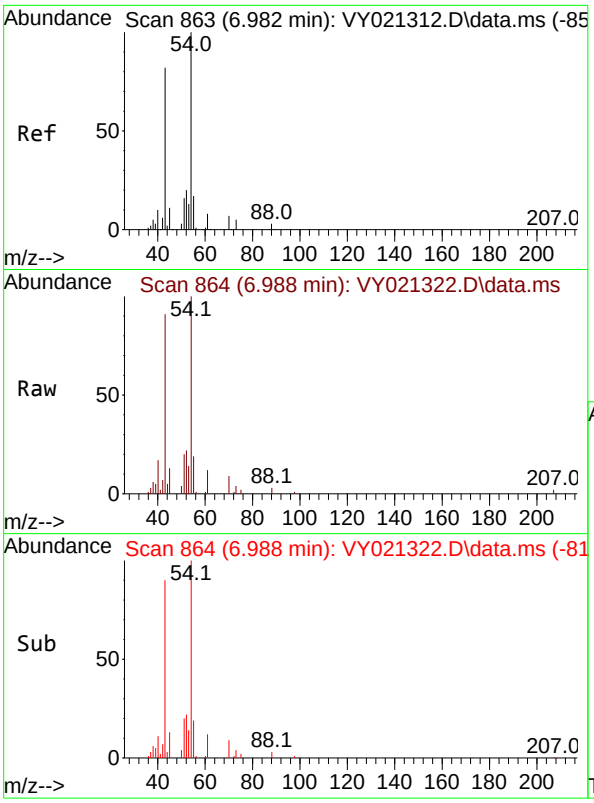


#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 55184

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.8	24.6	36.8



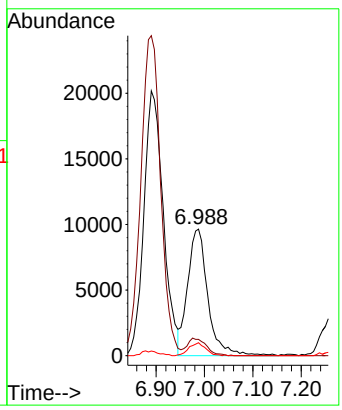


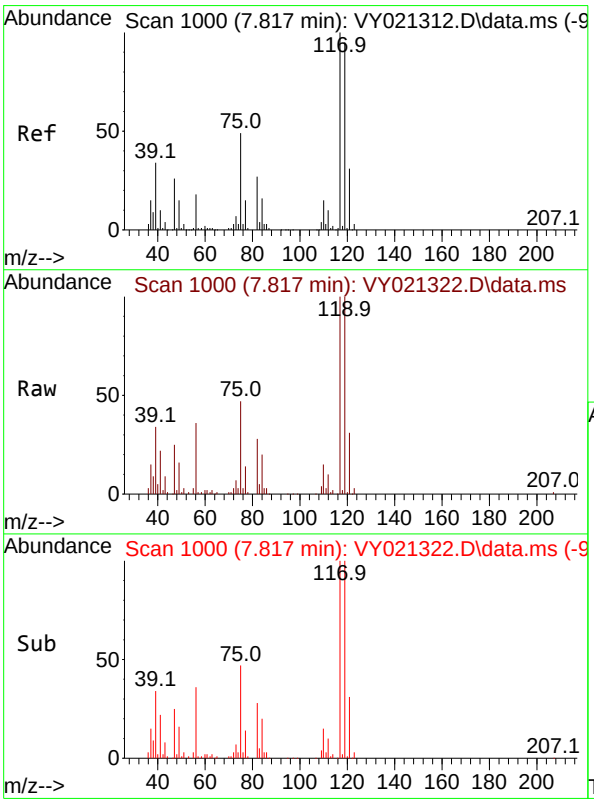
#37
Ethyl Acetate
Concen: 19.657 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 28035

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	8.5	7.5	11.3

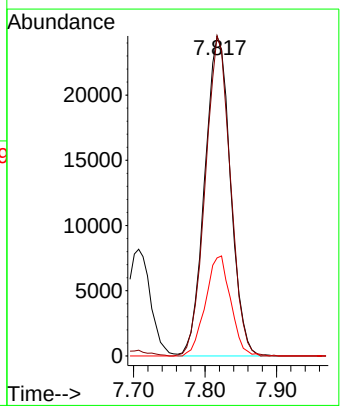


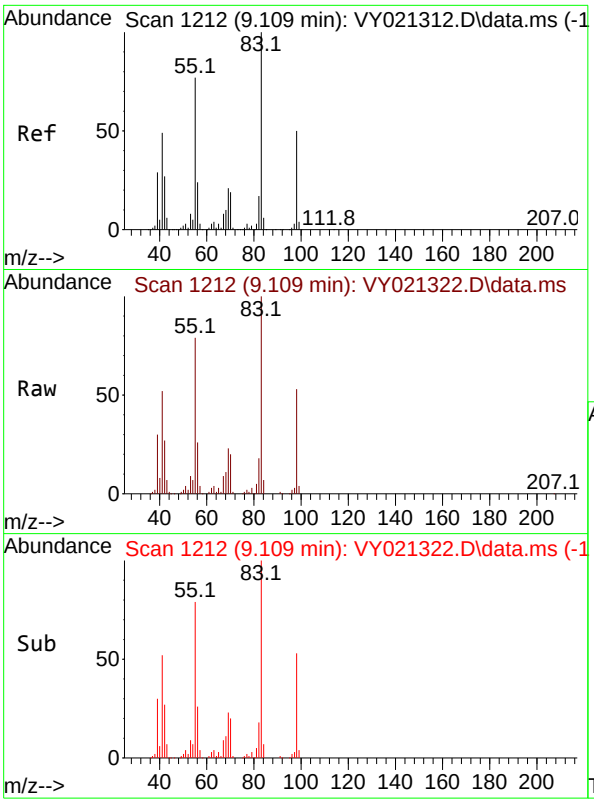


#38
Carbon Tetrachloride
Concen: 18.991 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 61214

Ion	Ratio	Lower	Upper
117	100		
119	100.1	76.0	114.0
121	30.7	24.9	37.3



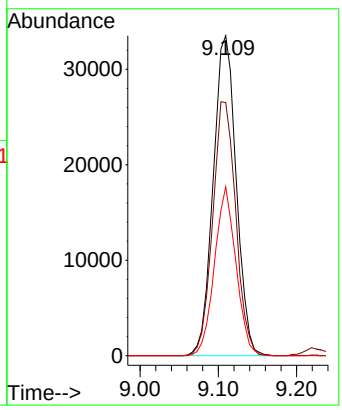


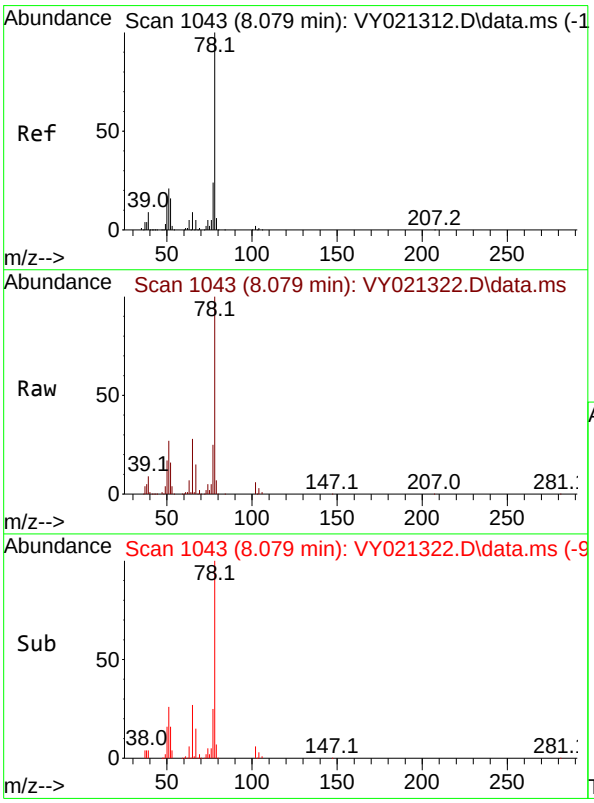
#39
Methylcyclohexane
Concen: 18.897 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 83 Resp: 68527

Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.3	91.9
98	52.7	39.9	59.9

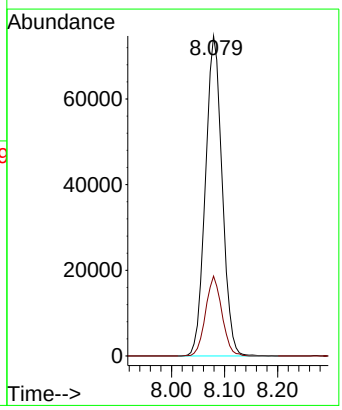


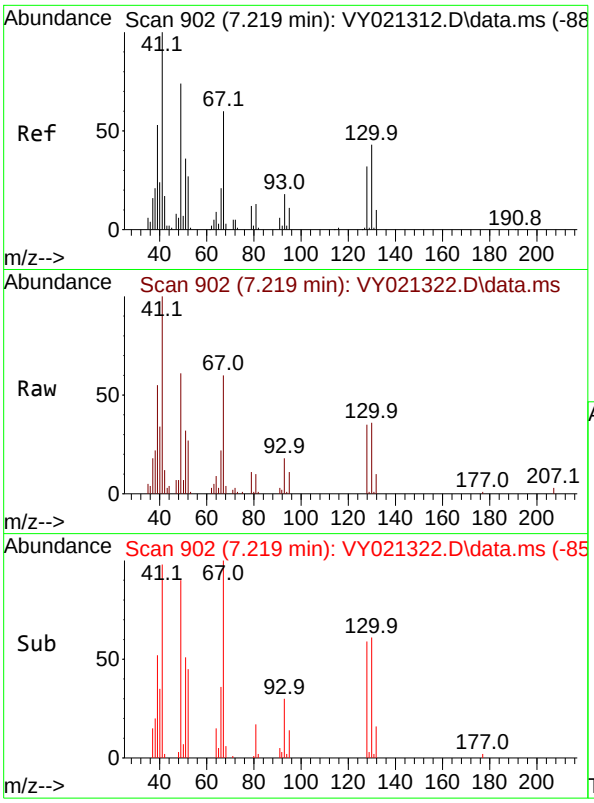


#40
Benzene
Concen: 19.308 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 78 Resp: 163641

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8



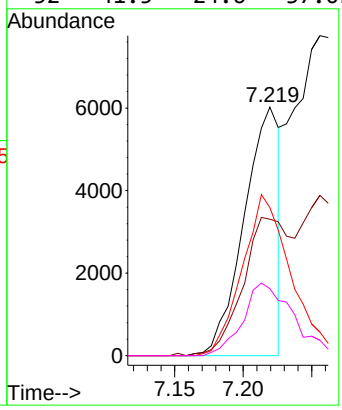


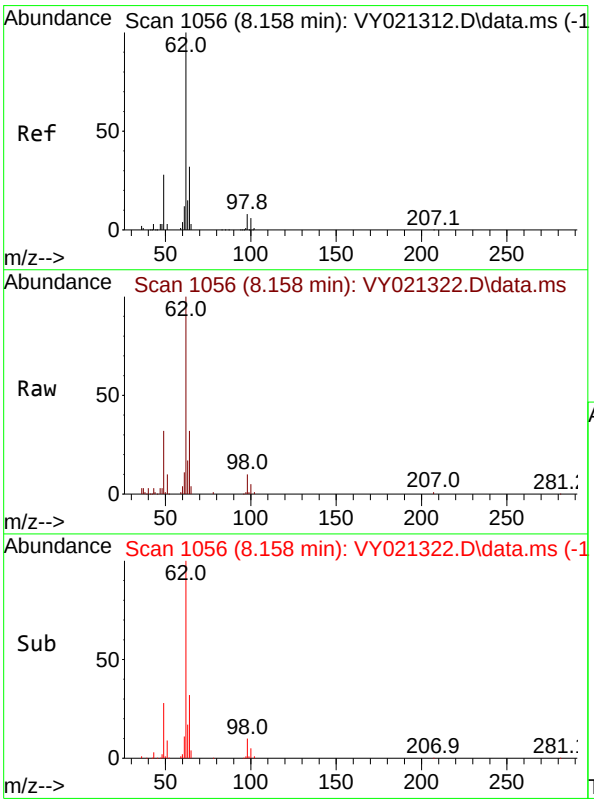
#41
Methacrylonitrile
Concen: 13.653 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 41 Resp: 10887

Ion	Ratio	Lower	Upper
41	100		
39	77.0	42.3	63.5#
67	88.9	54.8	82.2#
52	41.5	24.6	37.0#

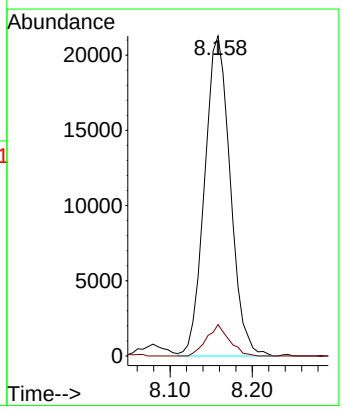


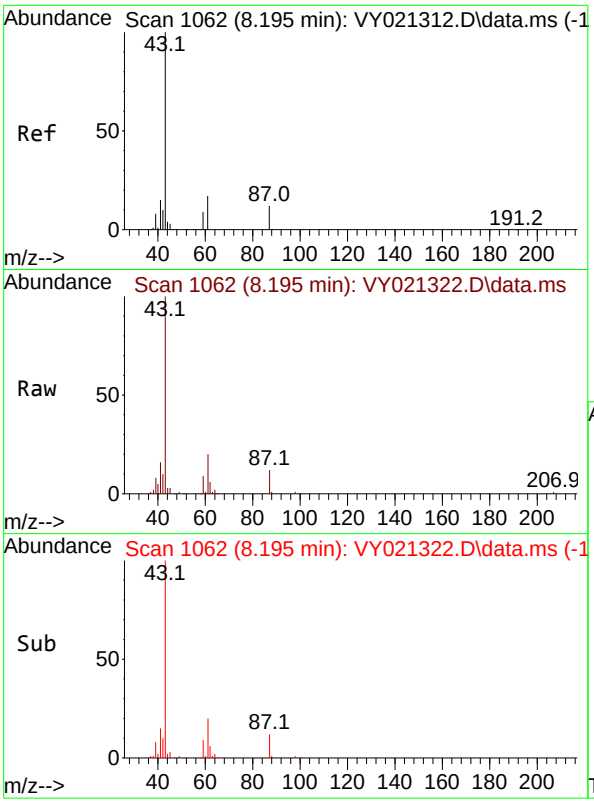


#42
1,2-Dichloroethane
Concen: 19.193 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6



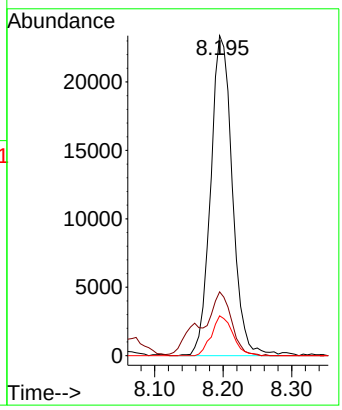


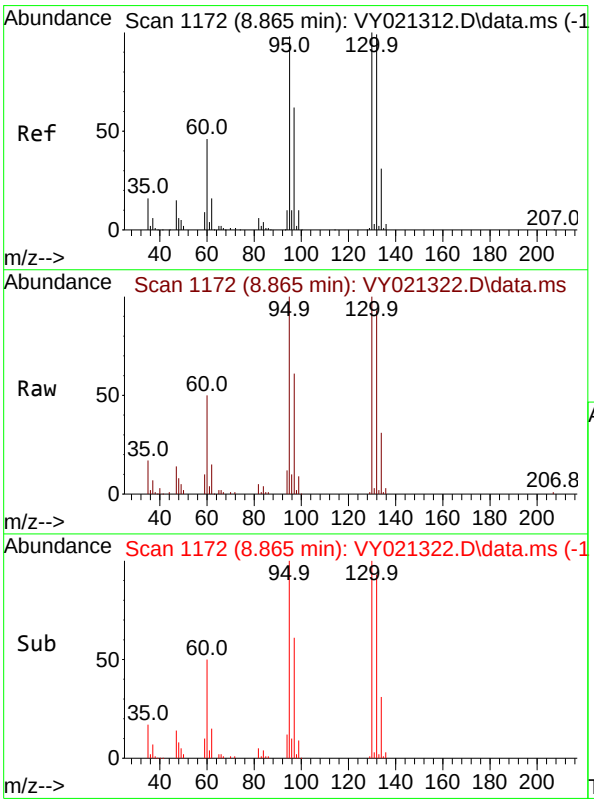
#43
Isopropyl Acetate
Concen: 18.626 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 51417

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.6
87	12.2	10.0	15.0

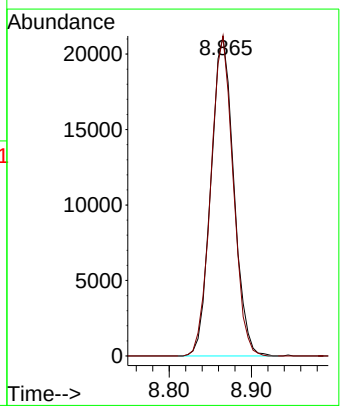


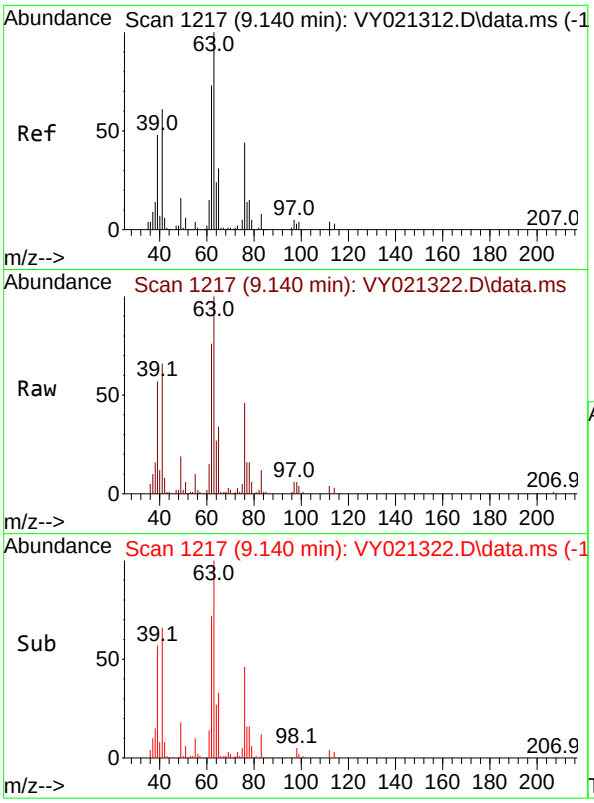


#44
Trichloroethene
Concen: 19.214 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:130 Resp: 40770

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	196.0



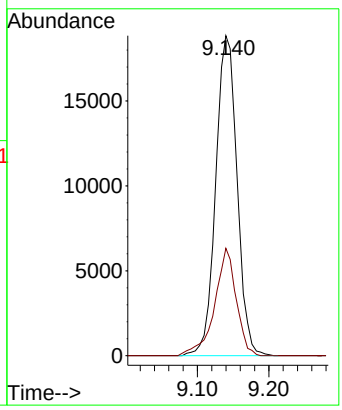


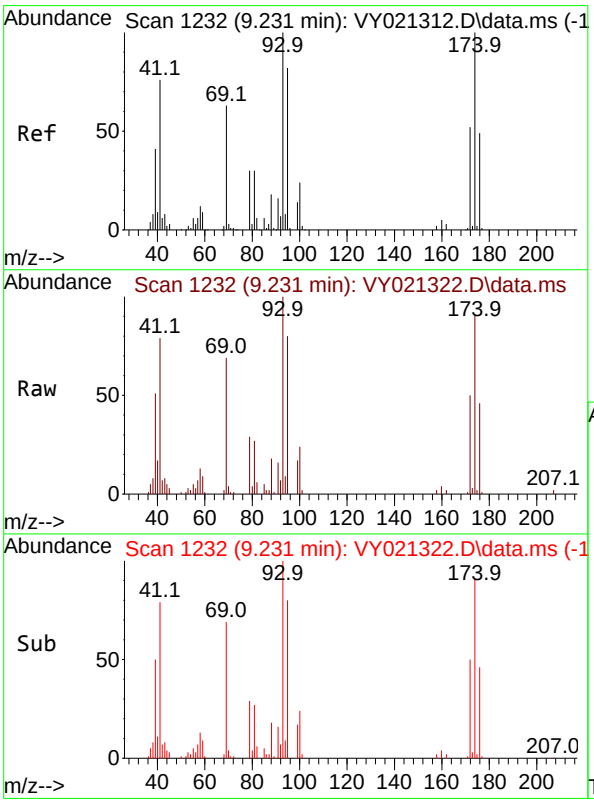
#45
1,2-Dichloropropane
Concen: 19.139 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 63 Resp: 39037

Ion	Ratio	Lower	Upper
63	100		
65	33.5	24.6	36.8

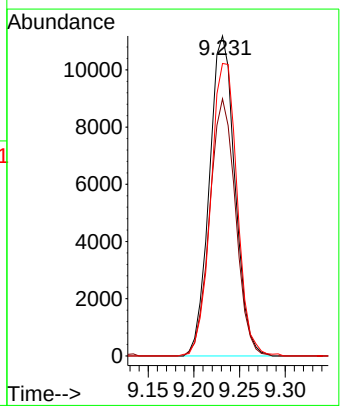


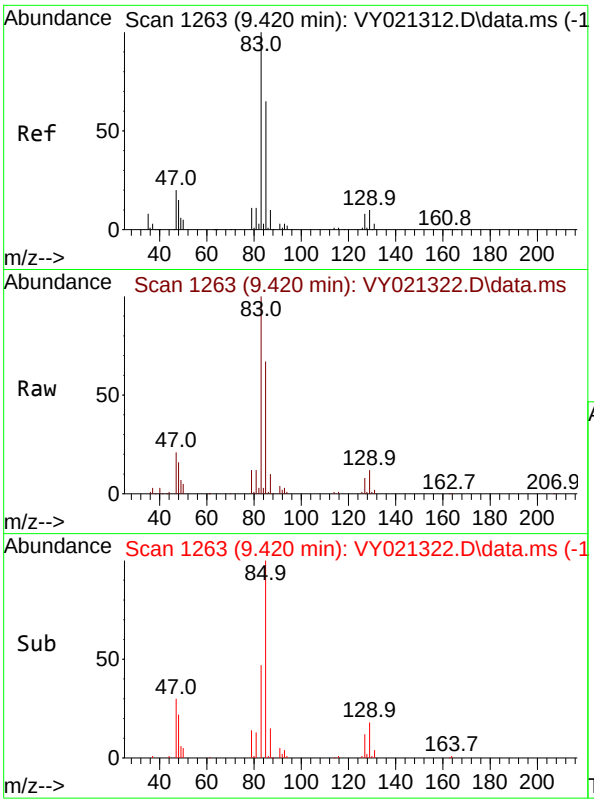


#46
Dibromomethane
Concen: 19.549 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 93 Resp: 21795

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	94.2	78.2	117.2



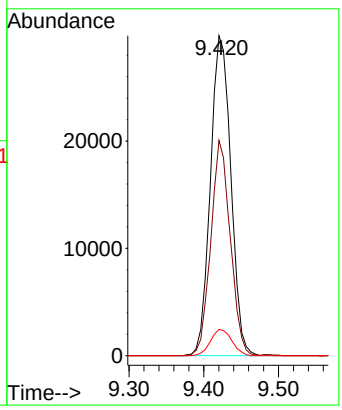


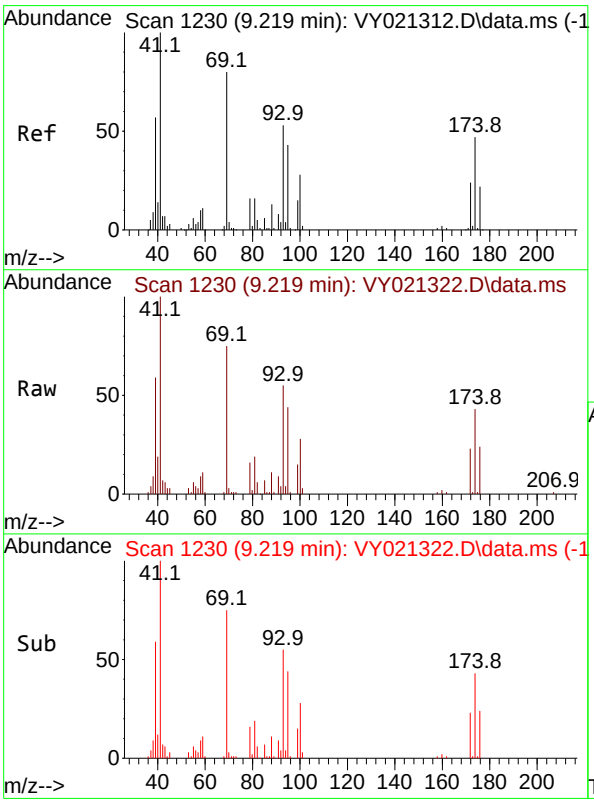
#47
Bromodichloromethane
Concen: 19.056 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 83 Resp: 56650

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.8	77.8
127	8.2	6.7	10.1

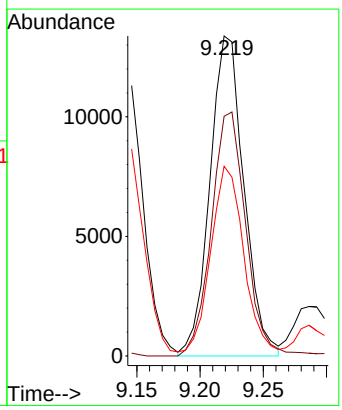


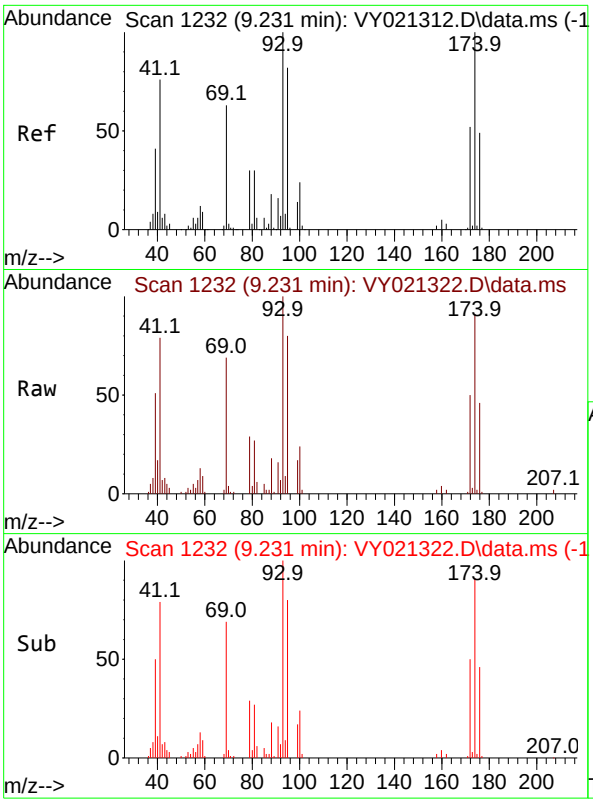


#48
Methyl methacrylate
Concen: 19.377 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 25014

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	55.5	45.0	67.6



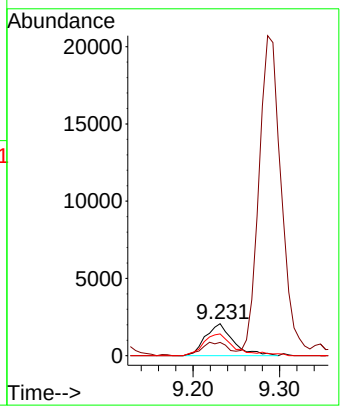


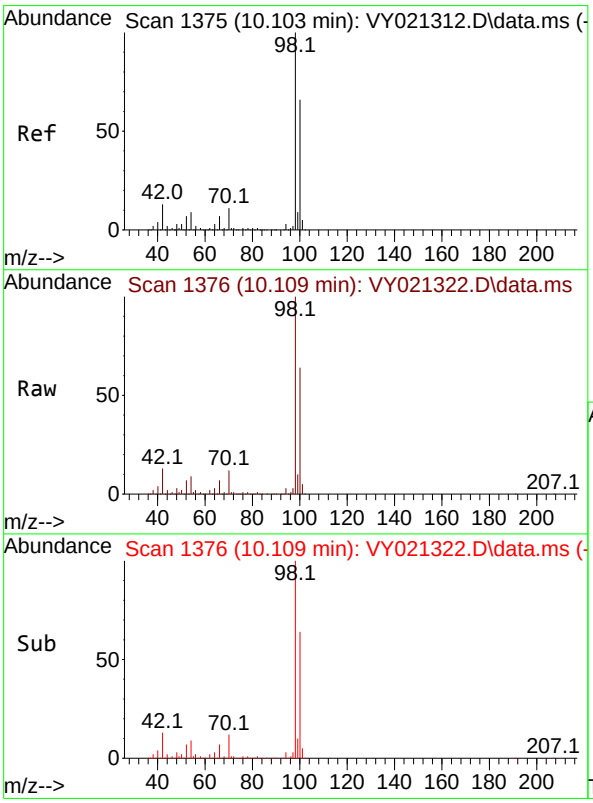
#49
1,4-Dioxane
Concen: 369.128 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 88 Resp: 4576

Ion	Ratio	Lower	Upper
88	100		
43	40.2	34.8	52.2
58	76.9	59.8	89.6

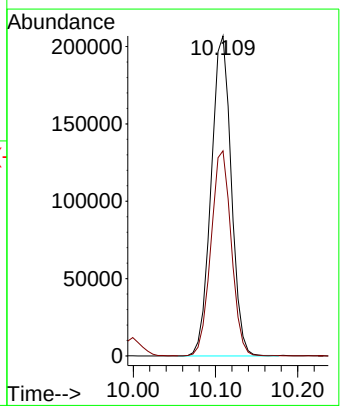


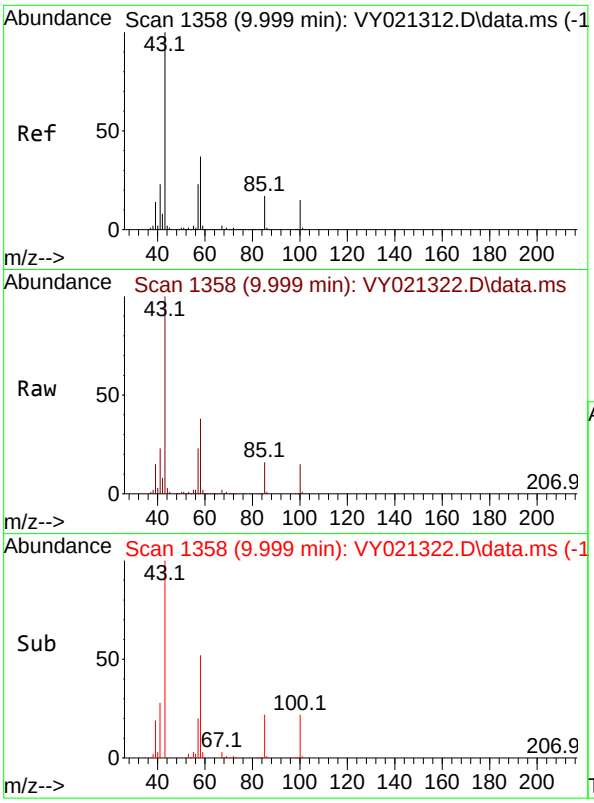


#50
Toluene-d8
Concen: 47.609 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 98 Resp: 351200

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6



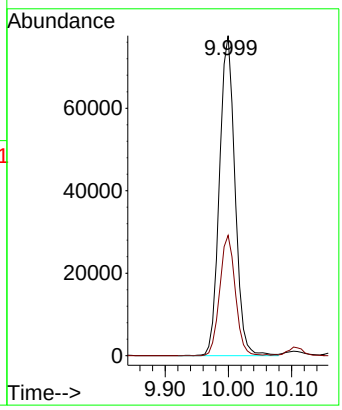


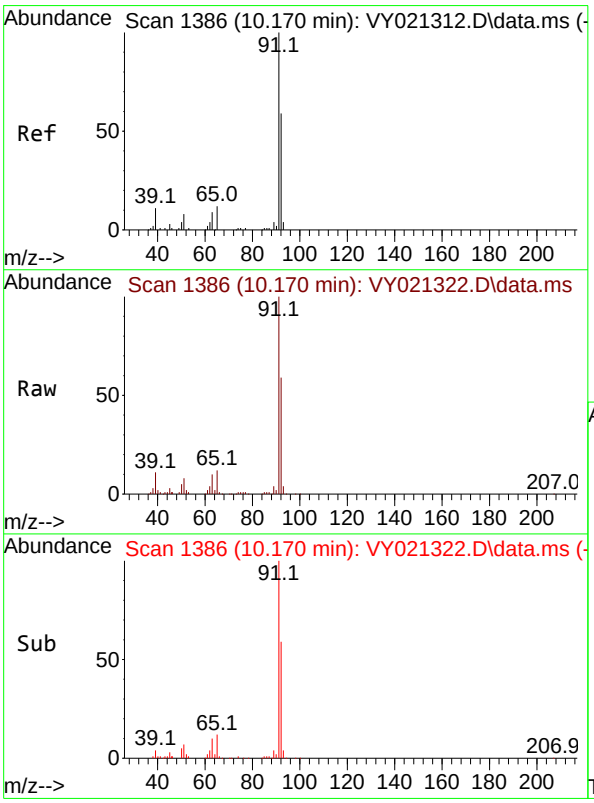
#51
4-Methyl-2-Pentanone
Concen: 93.298 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 131838

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1

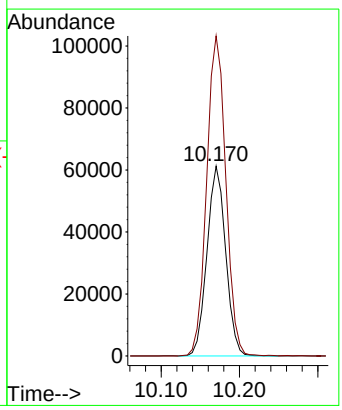


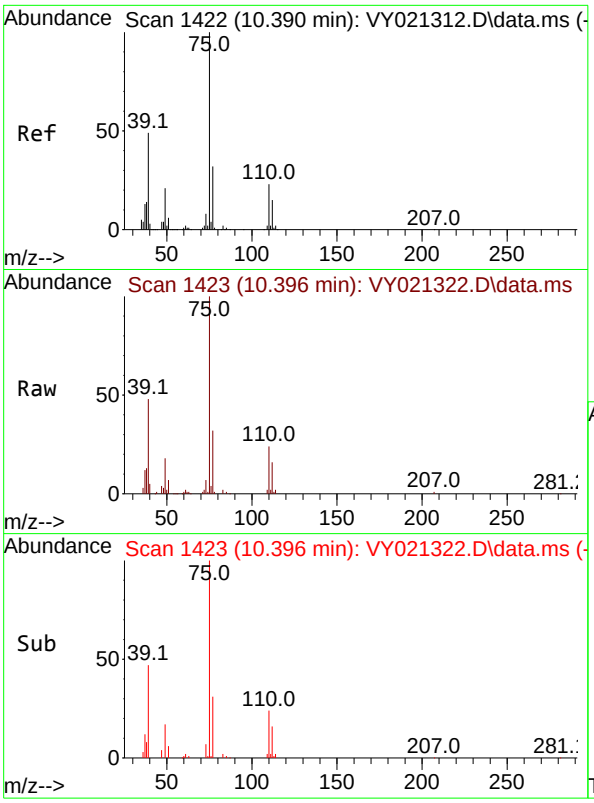


#52
Toluene
Concen: 19.255 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 92 Resp: 101381

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.8	206.8



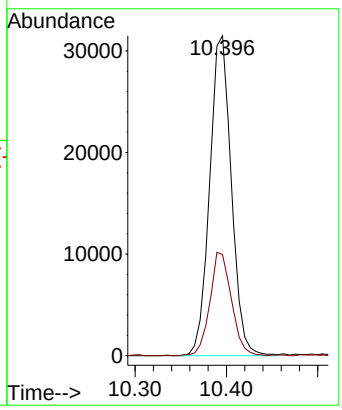


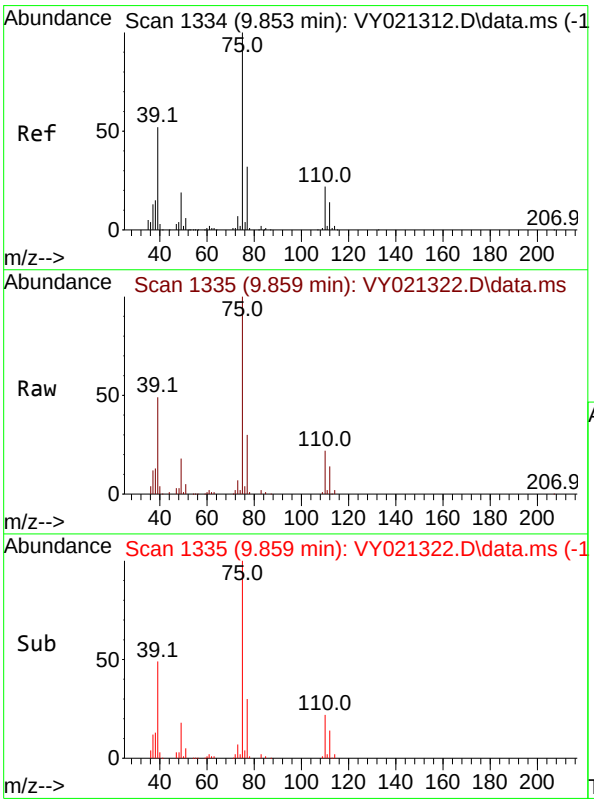
#53
t-1,3-Dichloropropene
Concen: 19.034 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 75 Resp: 51842

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

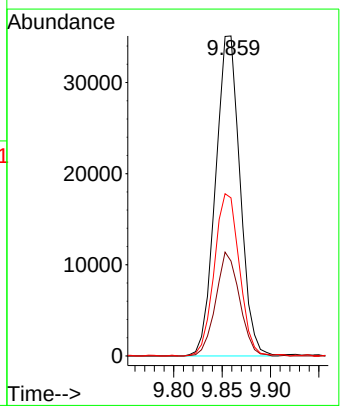


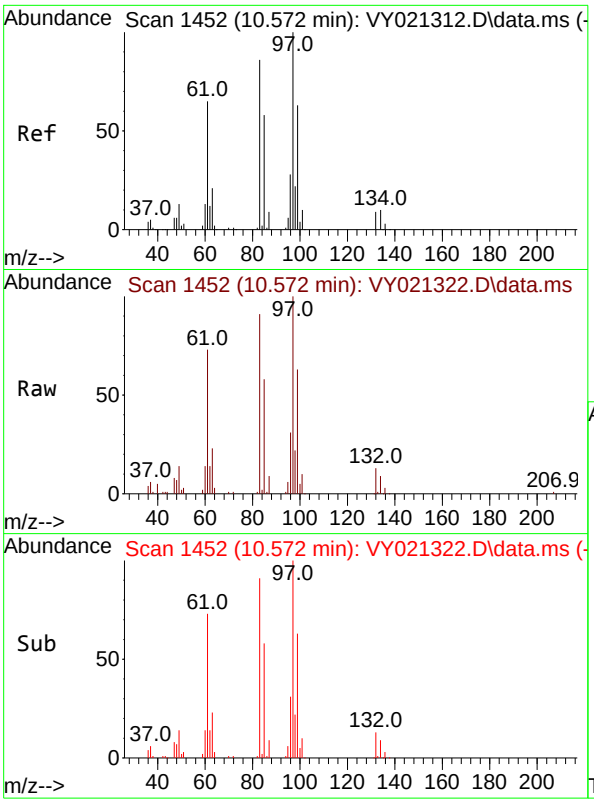


#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 61986

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.7	38.5
39	49.4	41.8	62.6



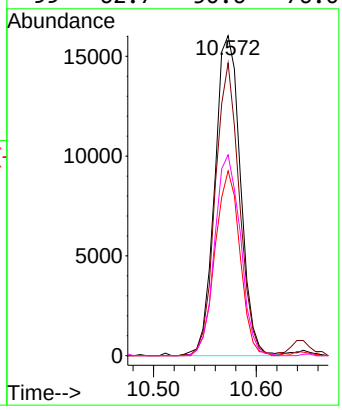


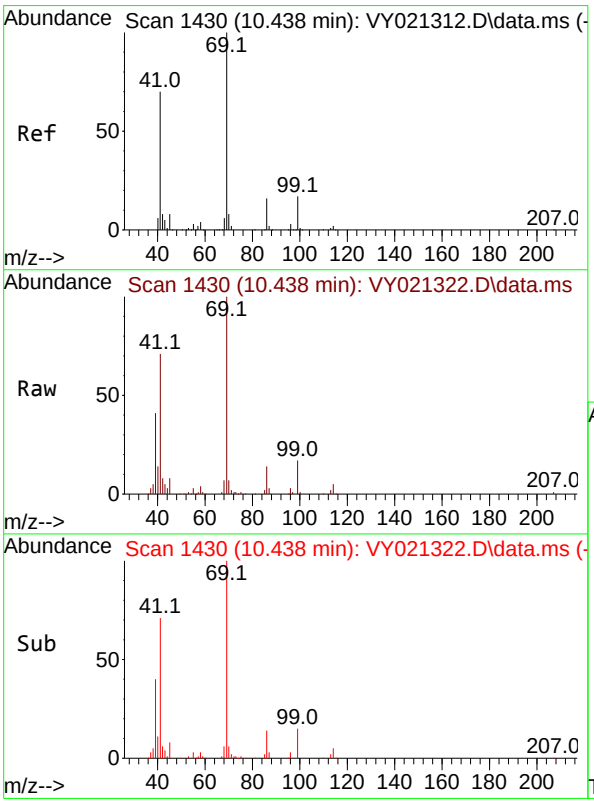
#55
1,1,2-Trichloroethane
Concen: 19.099 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 97 Resp: 27740

Ion	Ratio	Lower	Upper
97	100		
83	91.5	68.7	103.1
85	57.8	46.3	69.5
99	62.7	50.6	76.0

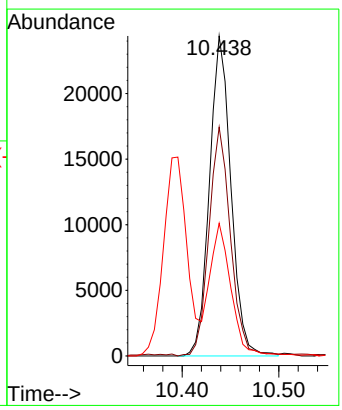


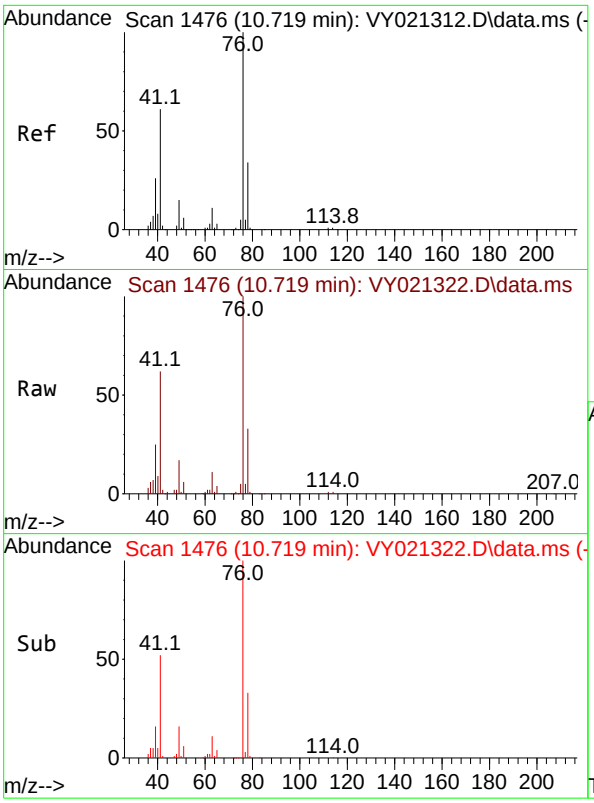


#56
Ethyl methacrylate
Concen: 18.751 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 69 Resp: 37632

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.2	84.4
39	40.8	32.7	49.1



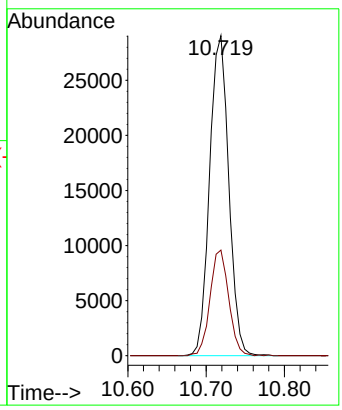


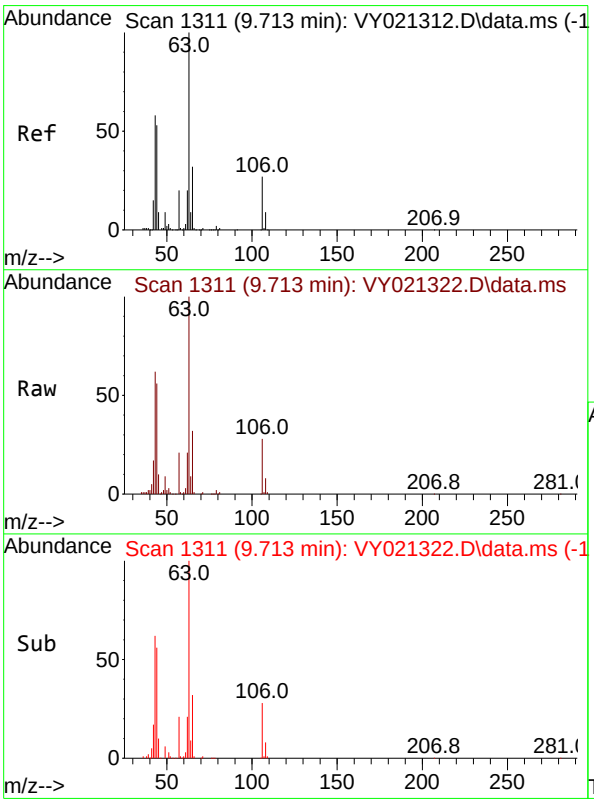
#57
1,3-Dichloropropane
Concen: 19.380 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 76 Resp: 49393

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

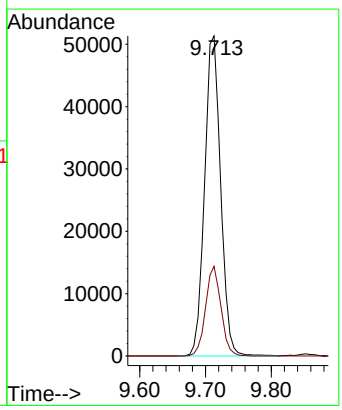


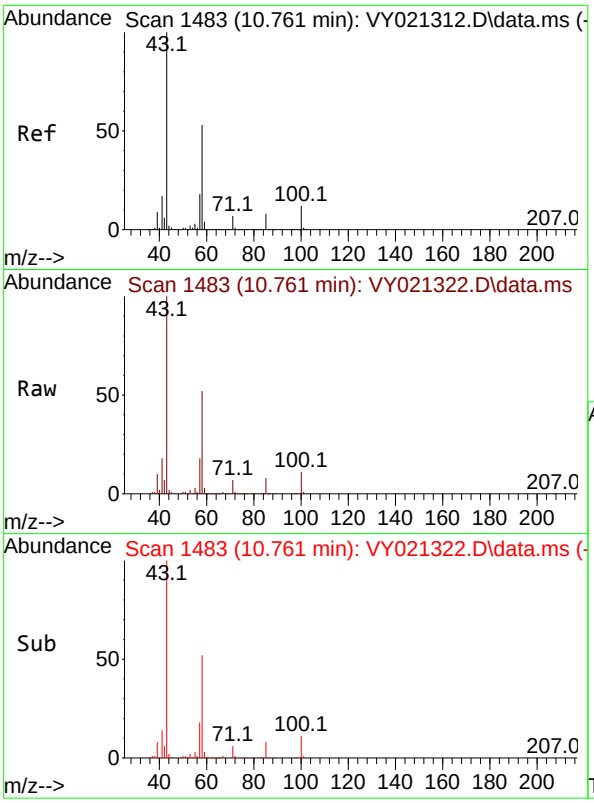


#58
2-Chloroethyl Vinyl ether
Concen: 90.414 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 87093

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5



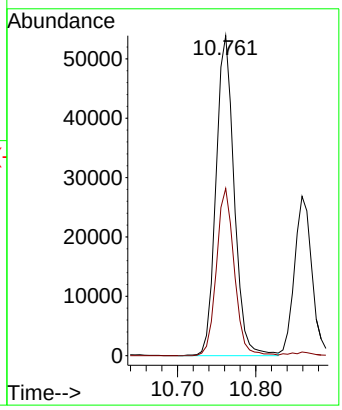


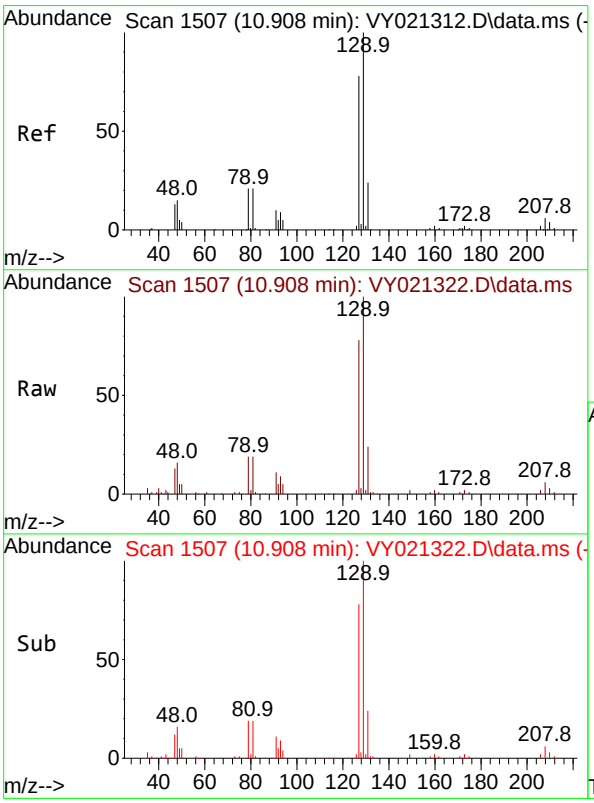
#59
2-Hexanone
Concen: 93.755 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 87008

Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

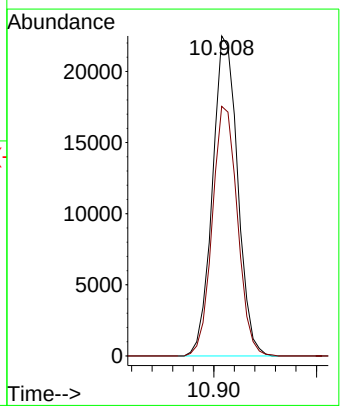


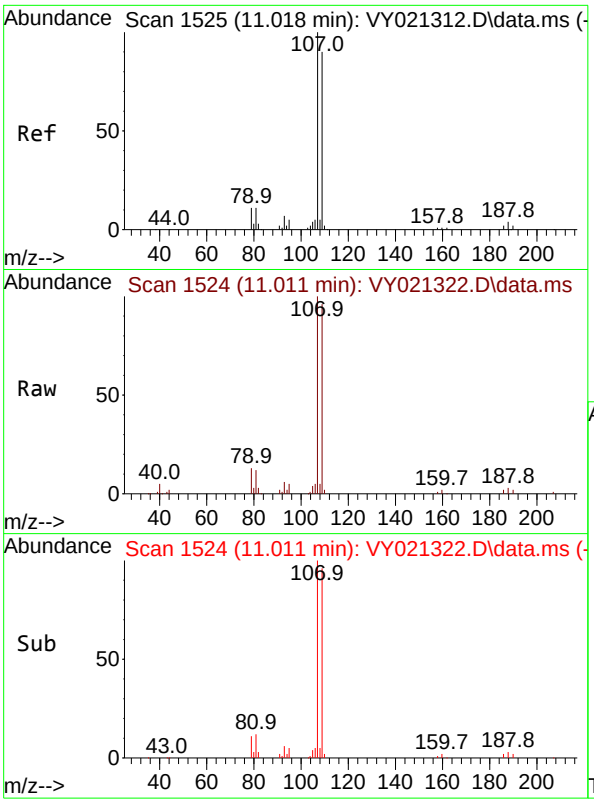


#60
Dibromochloromethane
Concen: 19.318 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:129 Resp: 38212

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4



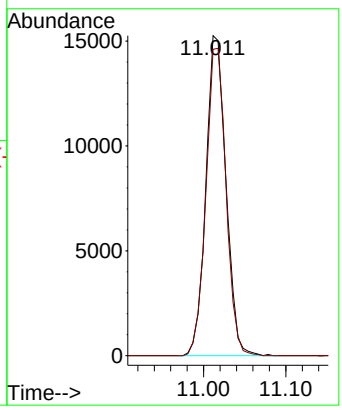


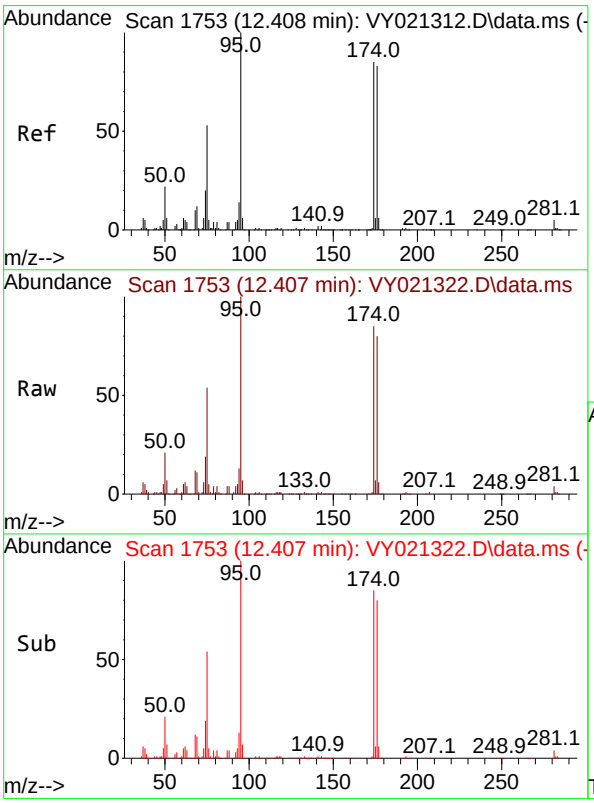
#61
1,2-Dibromoethane
Concen: 18.799 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:107 Resp: 25849

Ion	Ratio	Lower	Upper
107	100		
109	96.2	73.8	110.8

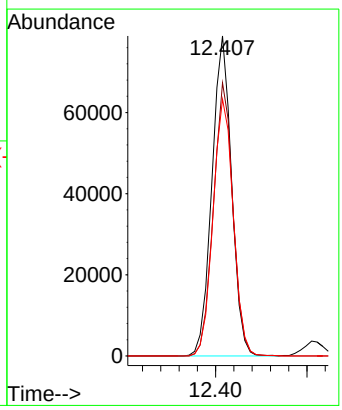


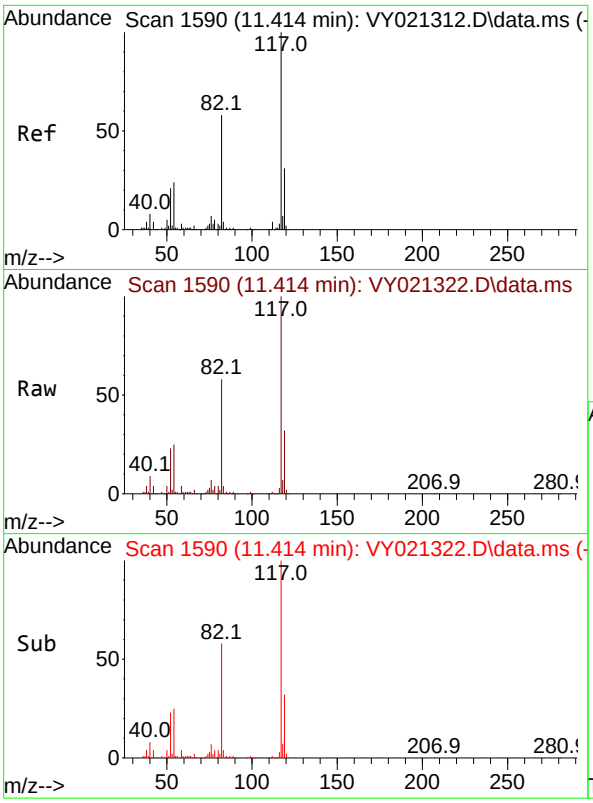


#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 95 Resp: 117404

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	168.0
176	82.9	0.0	162.6



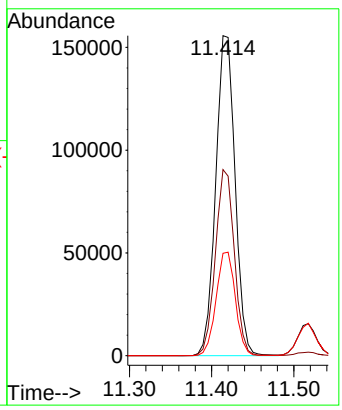


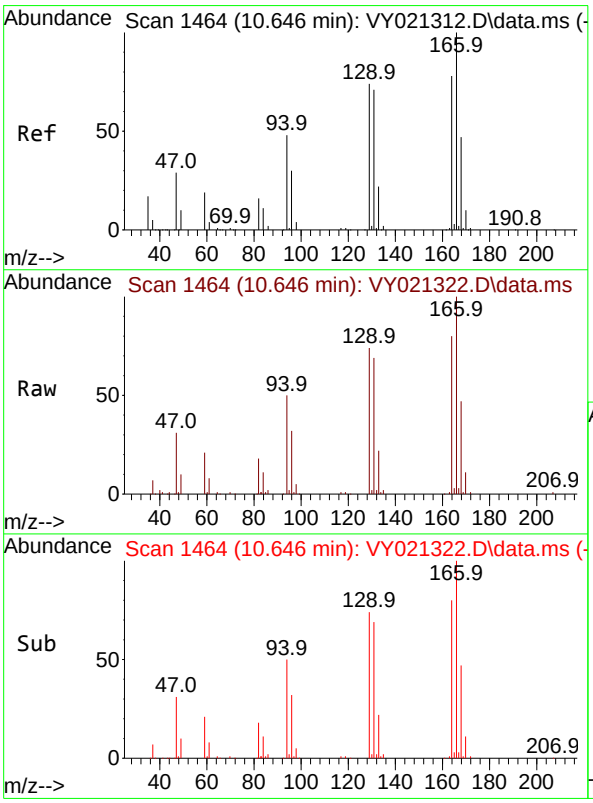
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:117 Resp: 254891

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	32.0	24.9	37.3

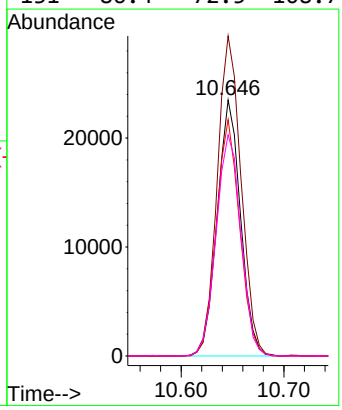


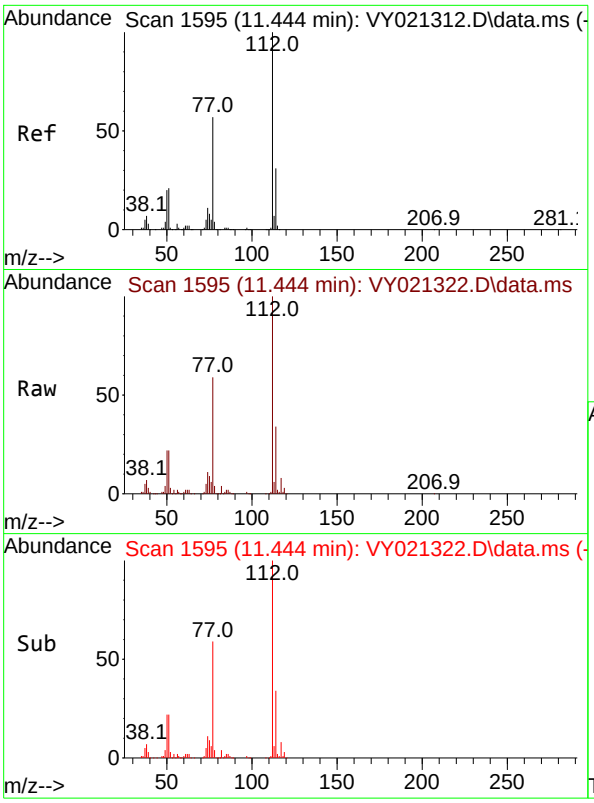


#64
Tetrachloroethene
Concen: 19.197 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:164 Resp: 36984

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.9	152.9
129	92.3	75.5	113.3
131	86.4	72.5	108.7



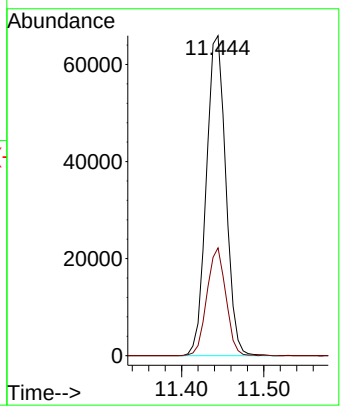


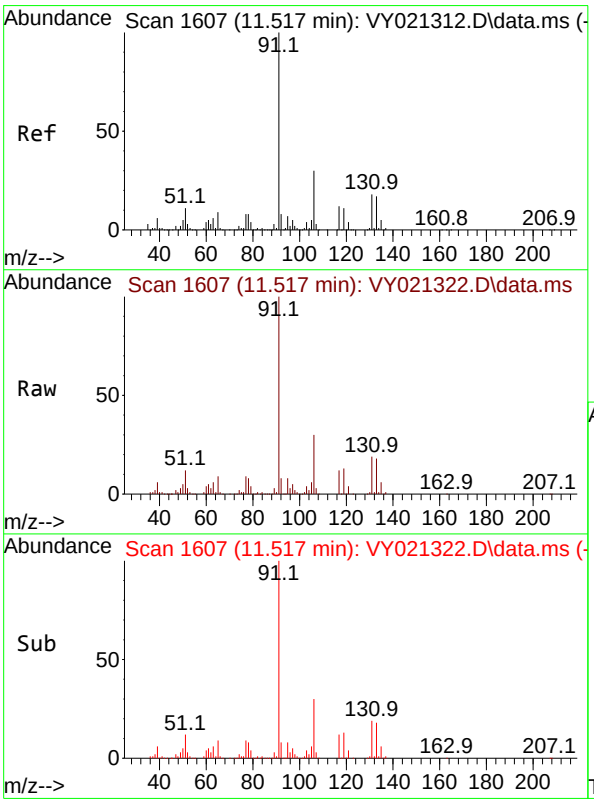
#65
Chlorobenzene
Concen: 18.977 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:112 Resp: 108578

Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.0	37.6

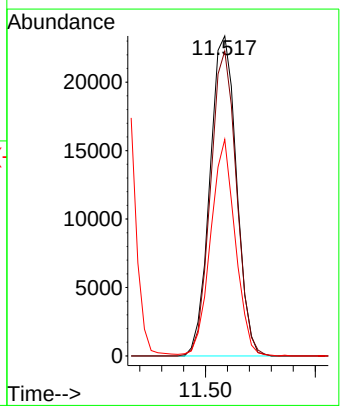


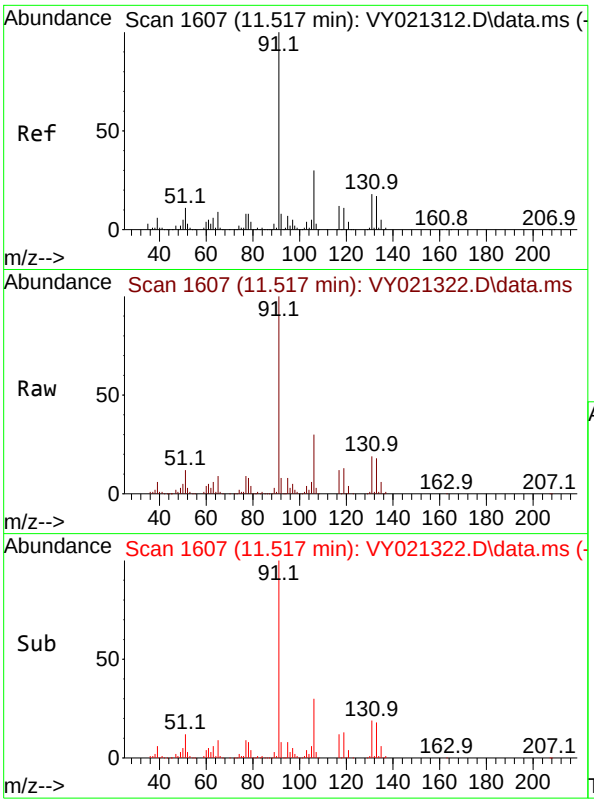


#66
1,1,1,2-Tetrachloroethane
Concen: 19.617 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:131 Resp: 39302

Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.9	143.6
119	63.0	31.7	95.1



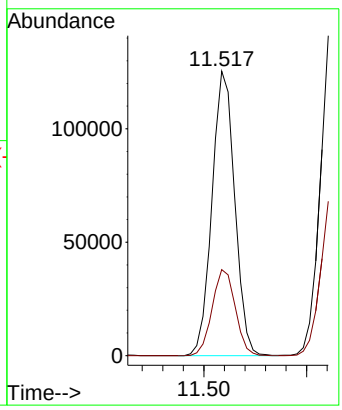


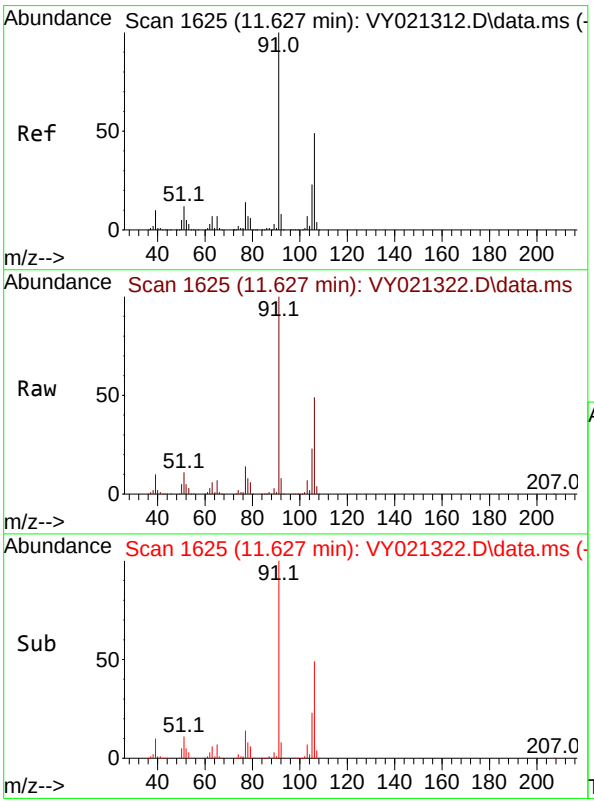
#67
Ethyl Benzene
Concen: 19.003 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 91 Resp: 192592

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6

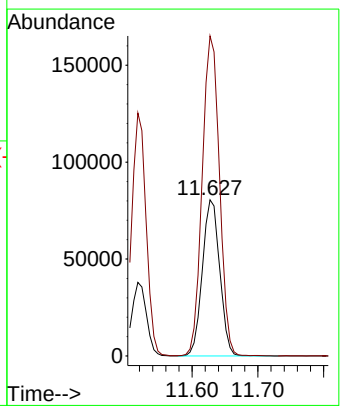


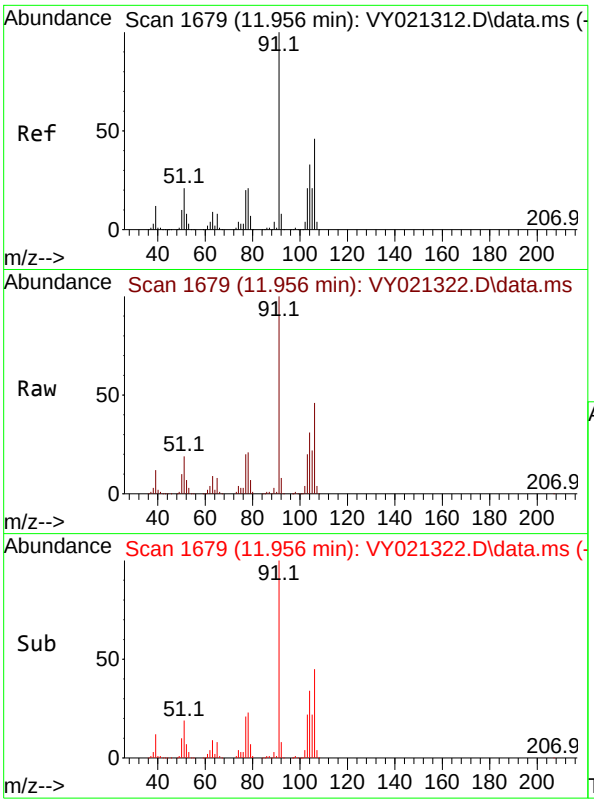


#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 147929

Ion	Ratio	Lower	Upper
106	100		
91	204.3	163.9	245.9



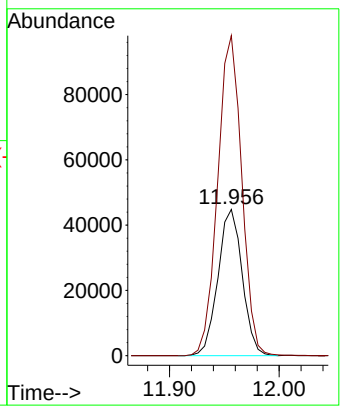


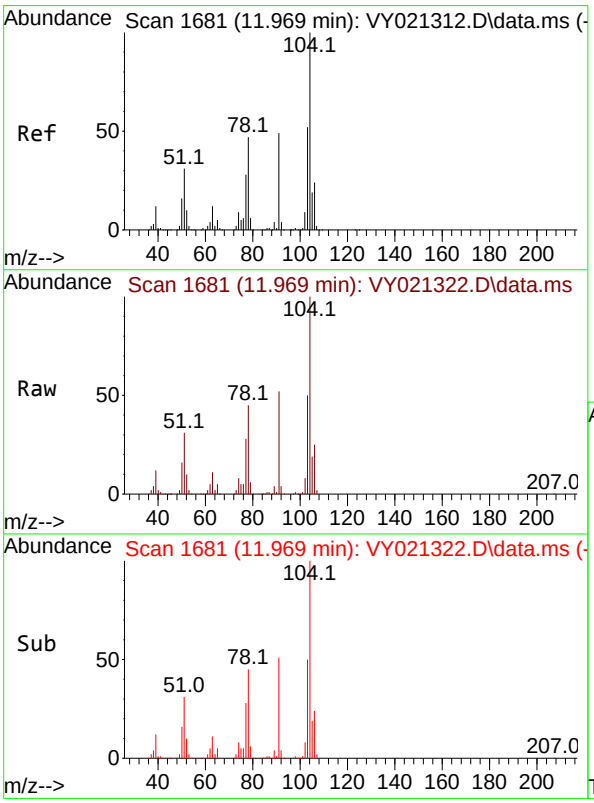
#69
o-Xylene
Concen: 19.342 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:106 Resp: 69071

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2

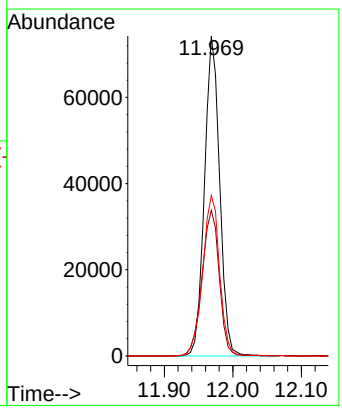


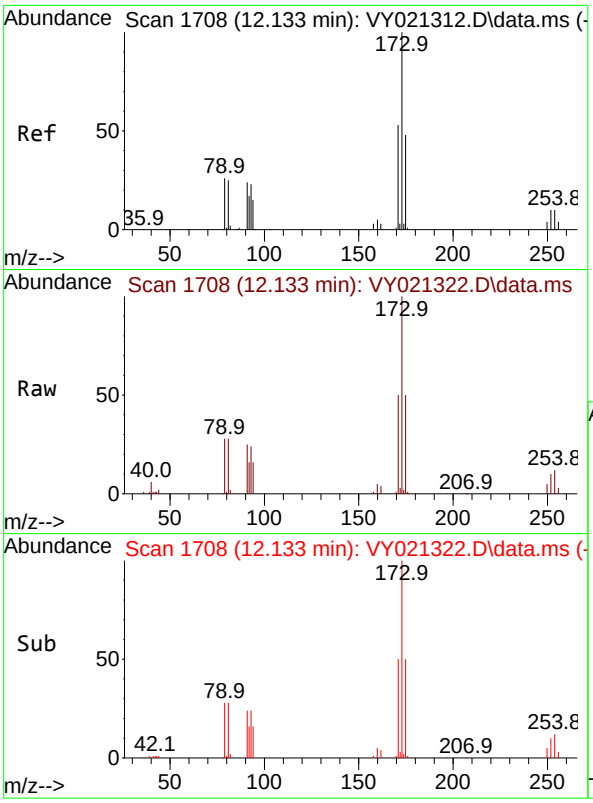


#70
Styrene
Concen: 19.262 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:104 Resp: 114447

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	55.8	43.9	65.9



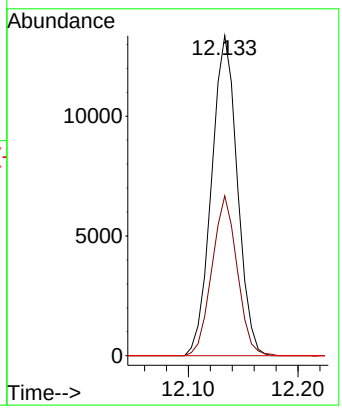


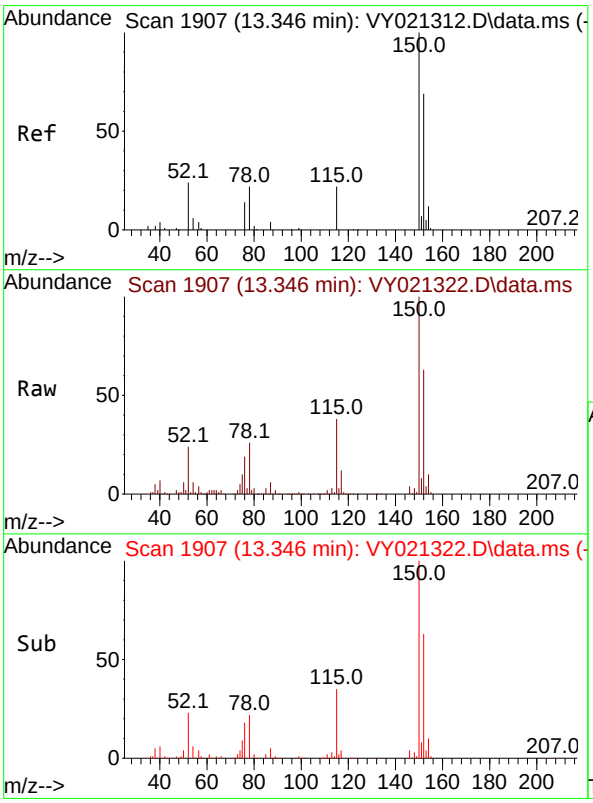
#71
Bromoform
Concen: 19.083 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:173 Resp: 21872

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.0	0.1	0.1#

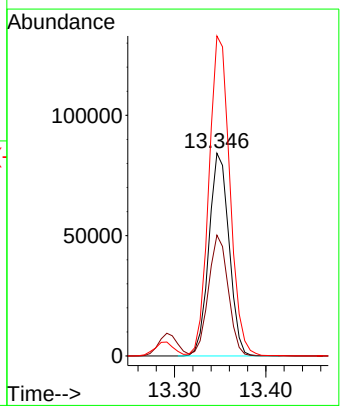


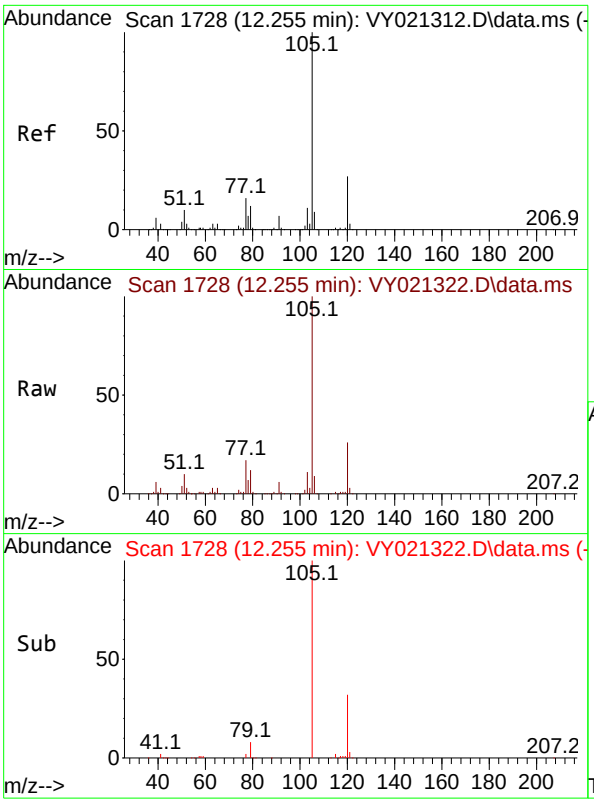


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:152 Resp: 128725

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	164.6	0.0	347.4



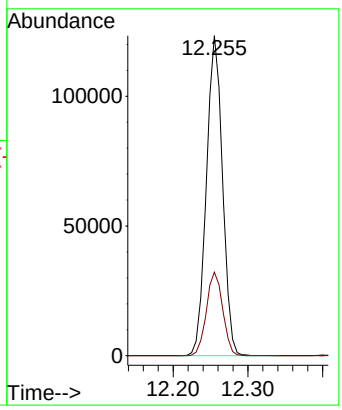


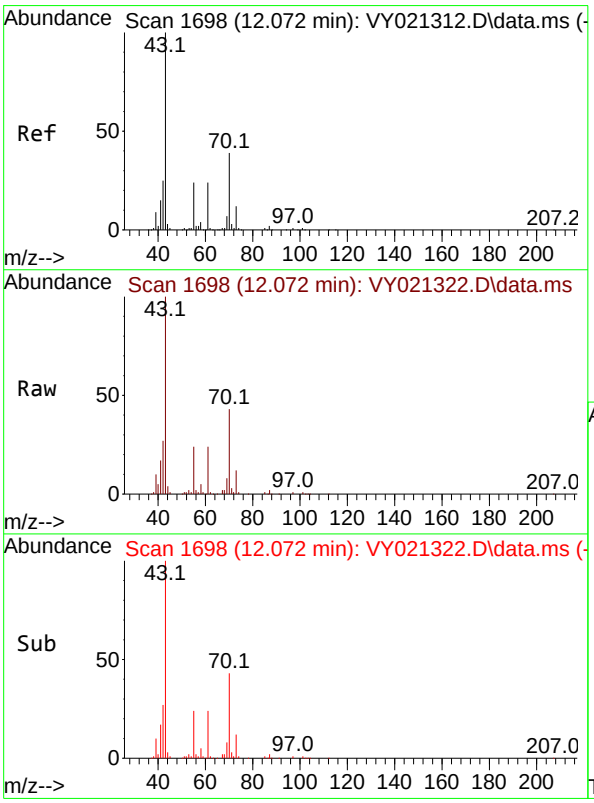
#73
Isopropylbenzene
Concen: 19.058 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:105 Resp: 184435

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8

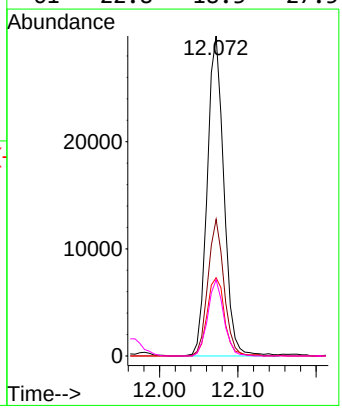


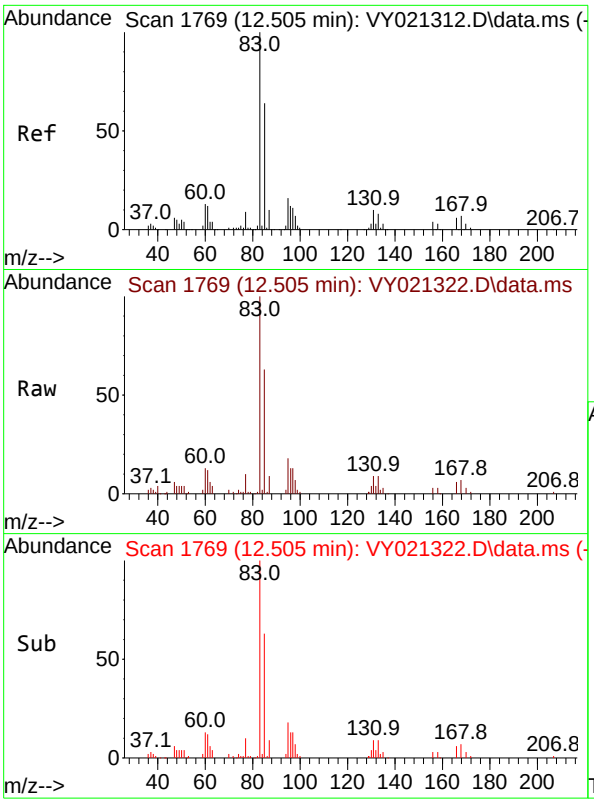


#74
N-amyl acetate
Concen: 17.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 44104

Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.2	48.2
55	25.5	19.6	29.4
61	22.8	18.3	27.5



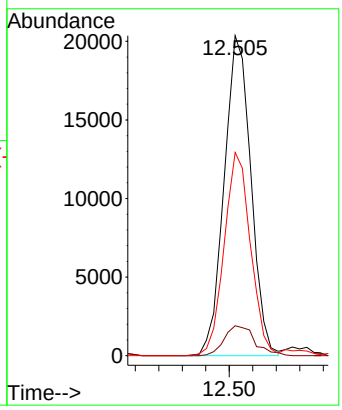


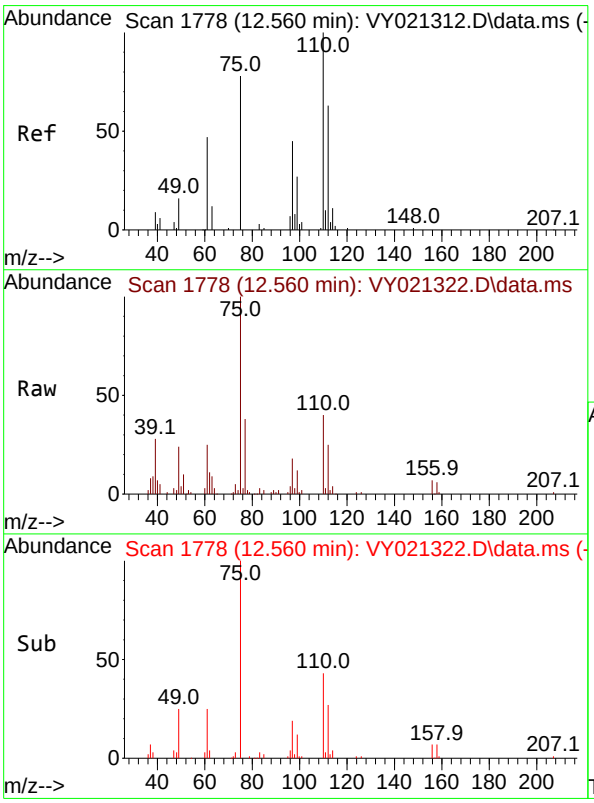
#75
1,1,2,2-Tetrachloroethane
Concen: 18.835 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 83 Resp: 32169

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	62.6	32.0	96.0

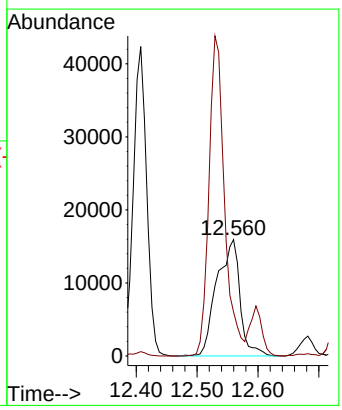


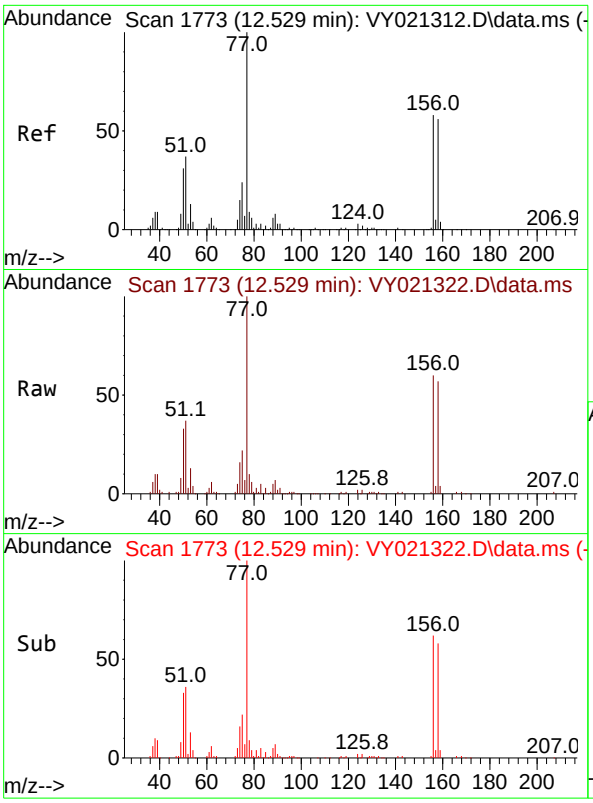


#76
1,2,3-Trichloropropane
Concen: 32.661 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 42083

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



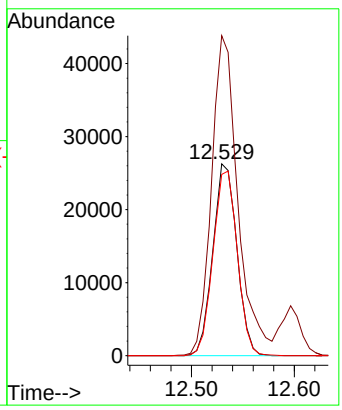


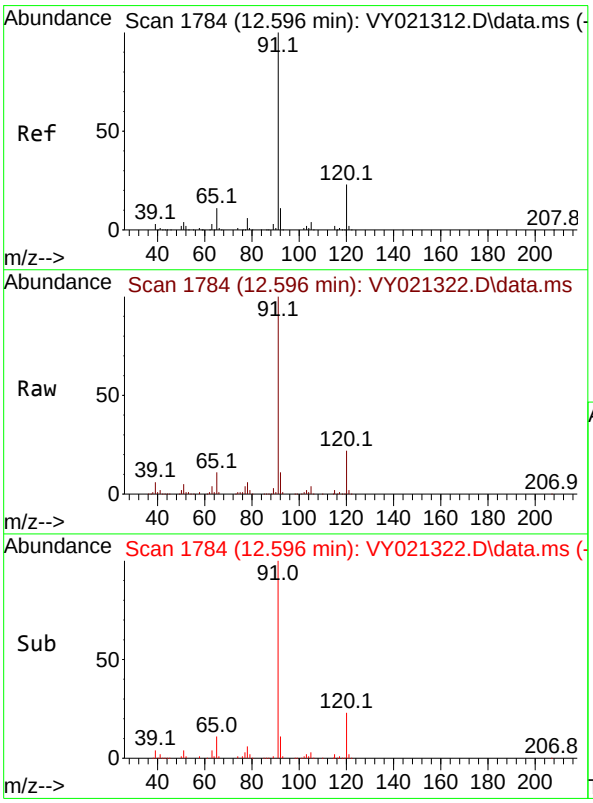
#77
Bromobenzene
Concen: 18.925 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:156 Resp: 42599

Ion	Ratio	Lower	Upper
156	100		
77	183.3	94.0	282.1
158	97.3	48.7	146.1

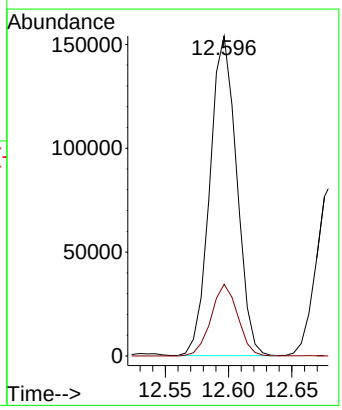


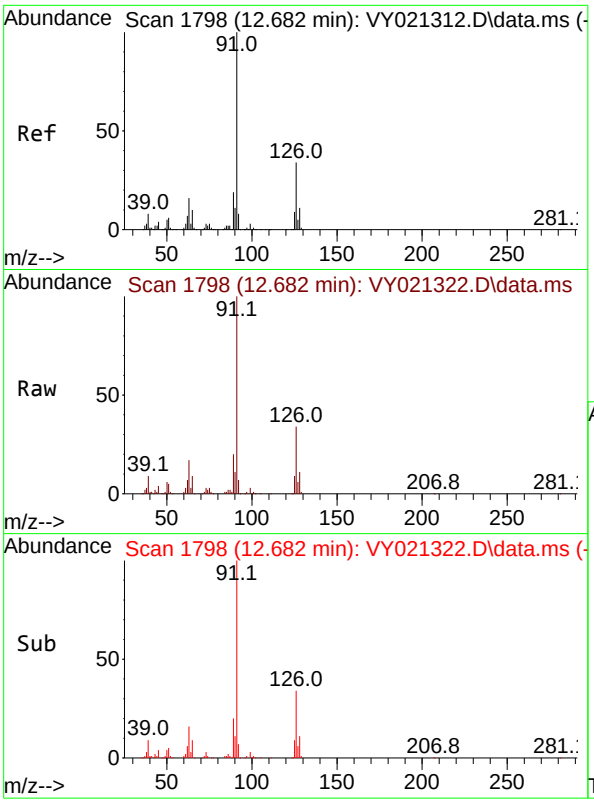


#78
n-propylbenzene
Concen: 19.317 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 226845

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



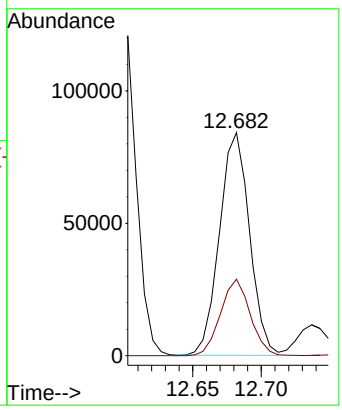


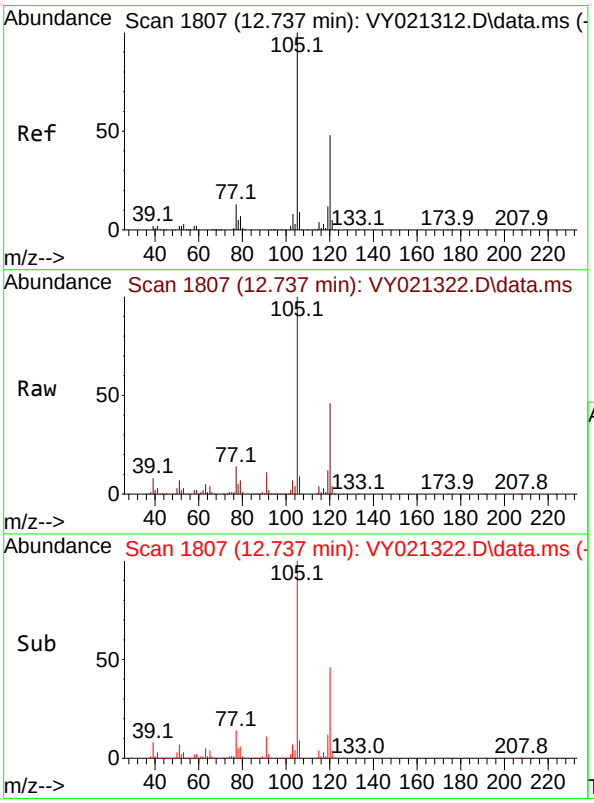
#79
2-Chlorotoluene
Concen: 19.070 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 91 Resp: 128526

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6

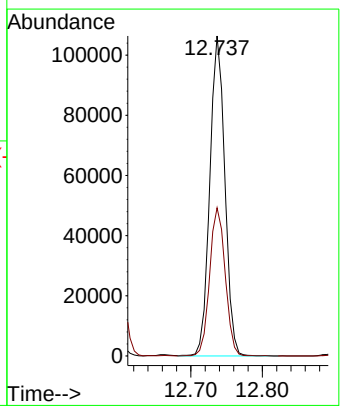


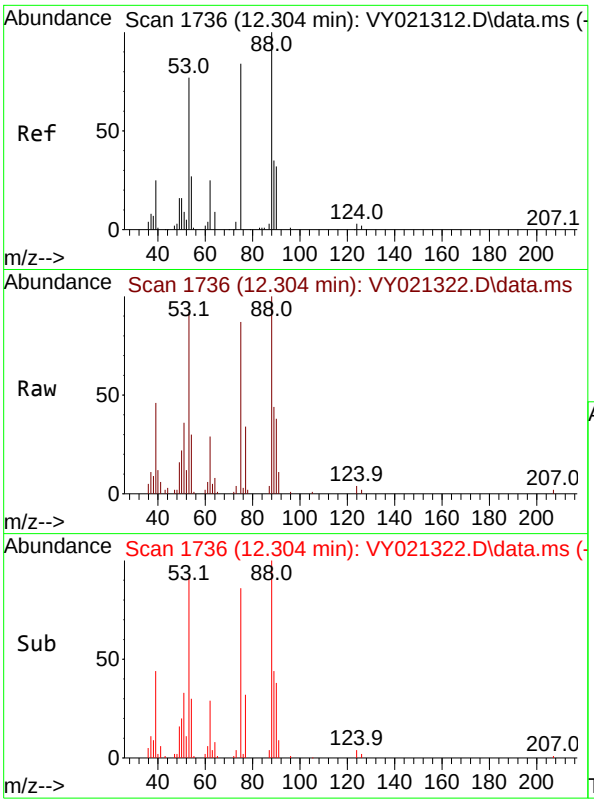


#80
1,3,5-Trimethylbenzene
Concen: 19.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 155422

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0



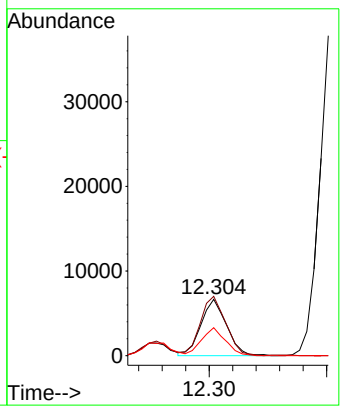


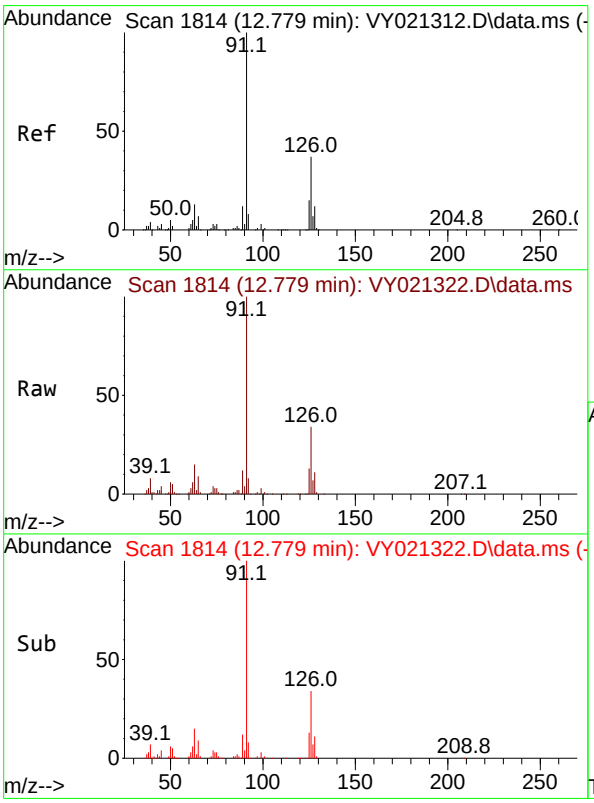
#81
trans-1,4-Dichloro-2-butene
Concen: 17.364 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 75 Resp: 10066

Ion	Ratio	Lower	Upper
75	100		
53	104.9	79.1	118.7
89	46.4	35.6	53.4

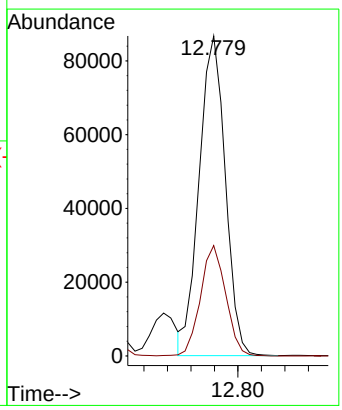


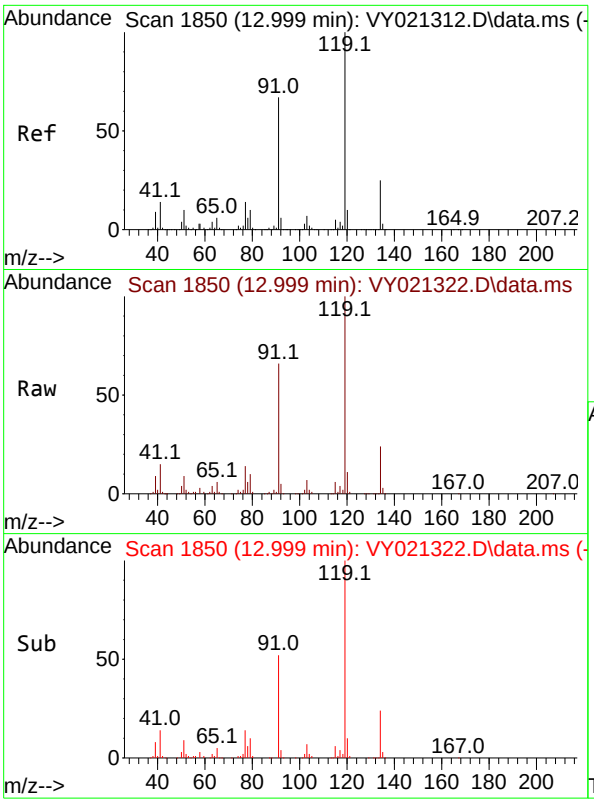


#82
4-Chlorotoluene
Concen: 19.171 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 133936

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4



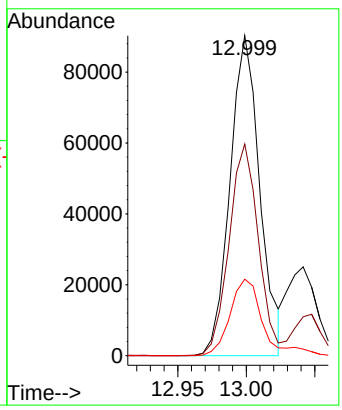


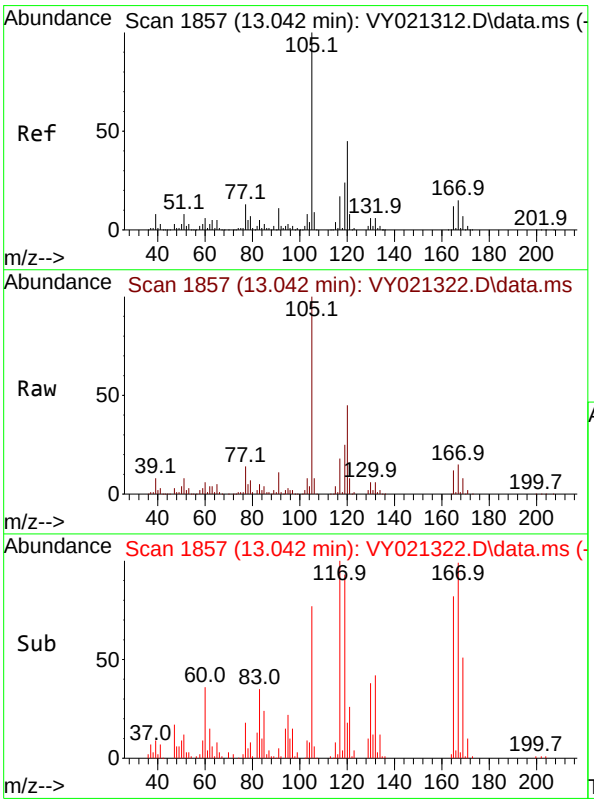
#83
tert-Butylbenzene
Concen: 19.079 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:119 Resp: 136788

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9

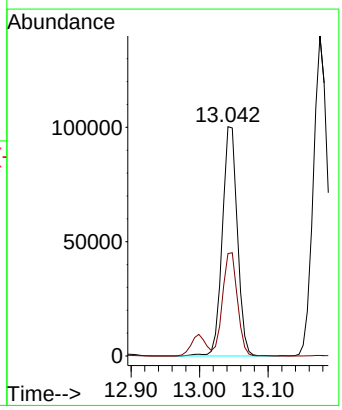


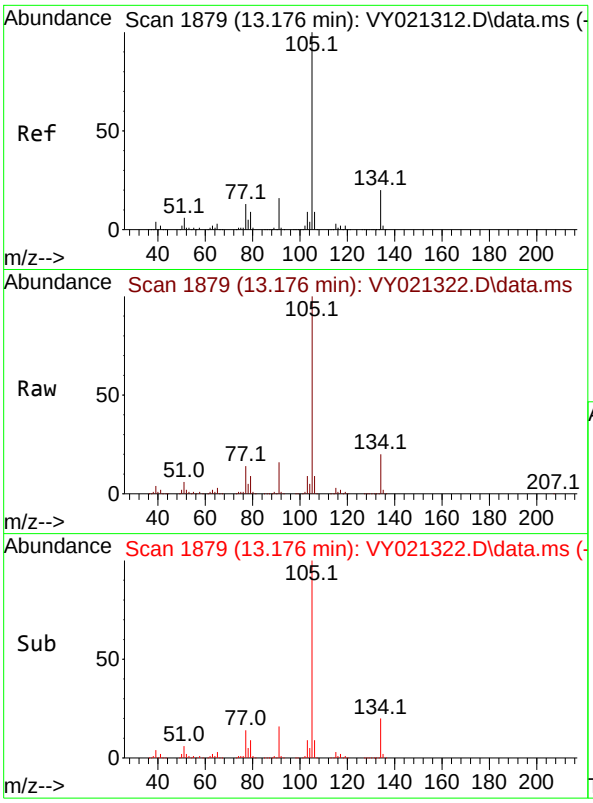


#84
1,2,4-Trimethylbenzene
Concen: 19.310 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 152431

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3



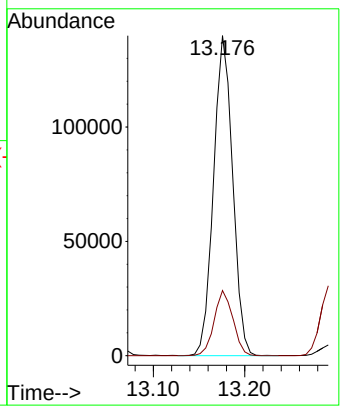


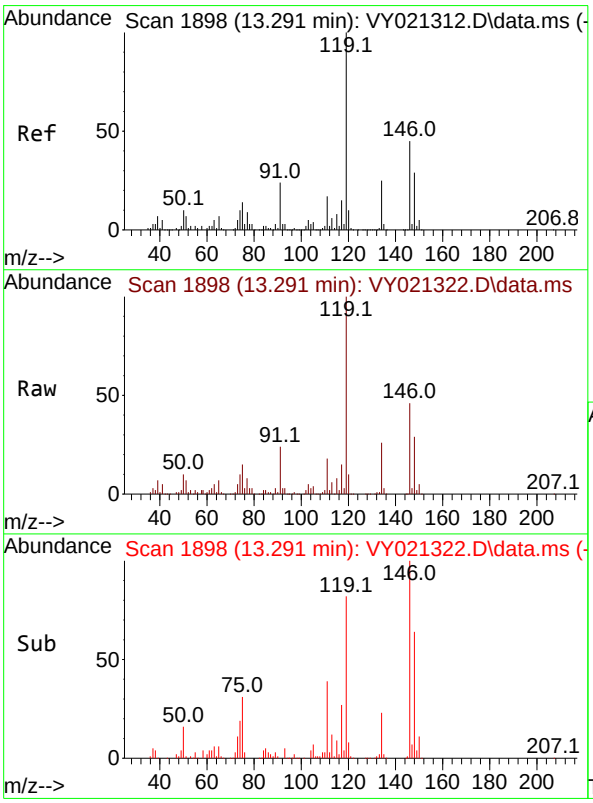
#85
sec-Butylbenzene
Concen: 19.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:105 Resp: 204066

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

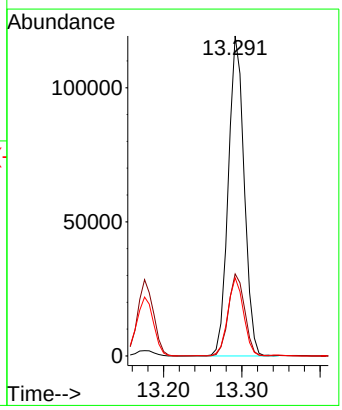


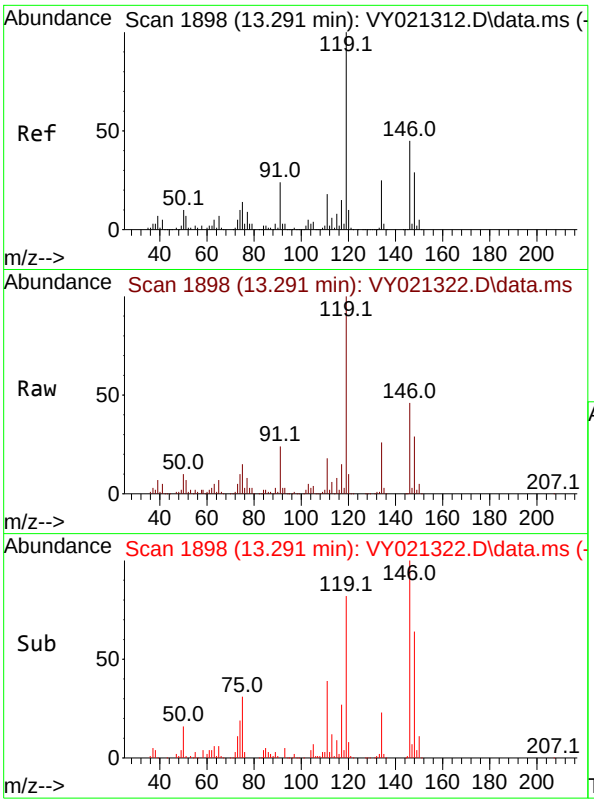


#86
p-Isopropyltoluene
Concen: 19.195 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 167856

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.2	12.0	36.1



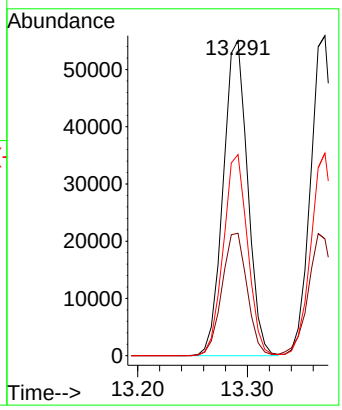


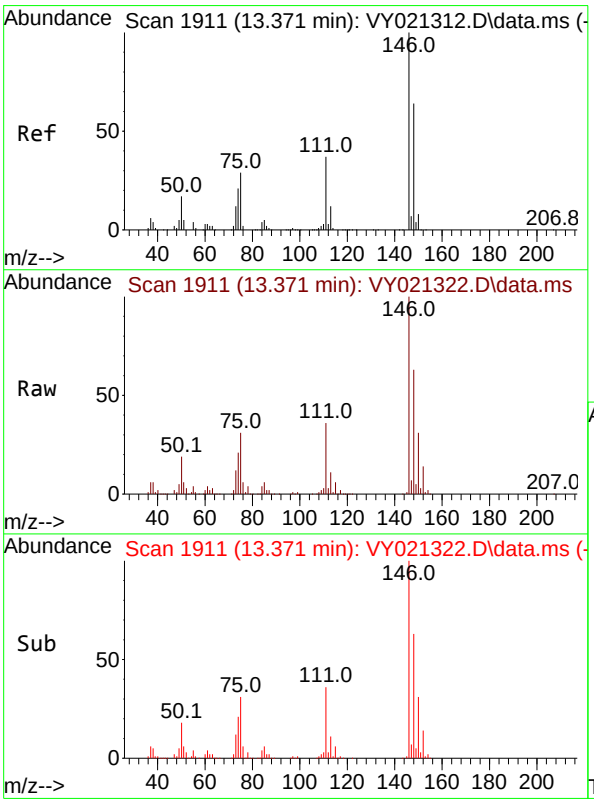
#87
1,3-Dichlorobenzene
Concen: 19.148 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:146 Resp: 85257

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.4	31.9	95.9

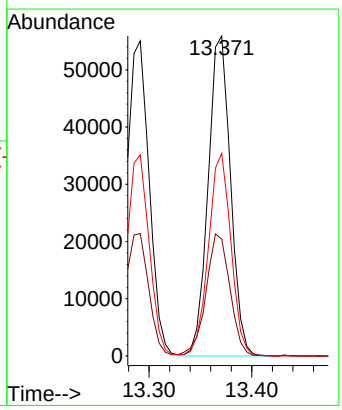


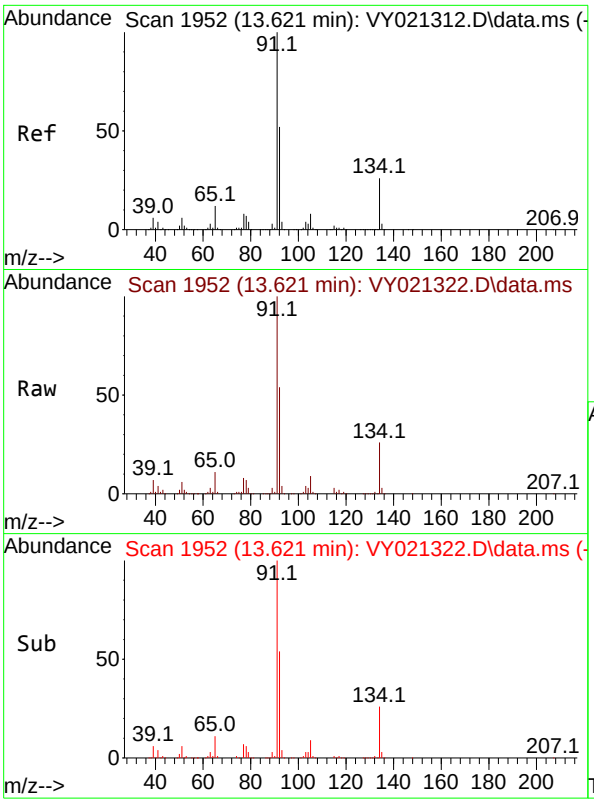


#88
1,4-Dichlorobenzene
Concen: 19.226 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 84570

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.5	58.5
148	63.6	32.0	96.2



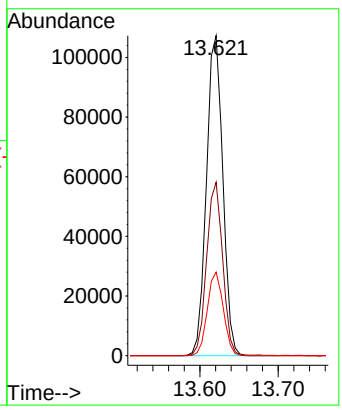


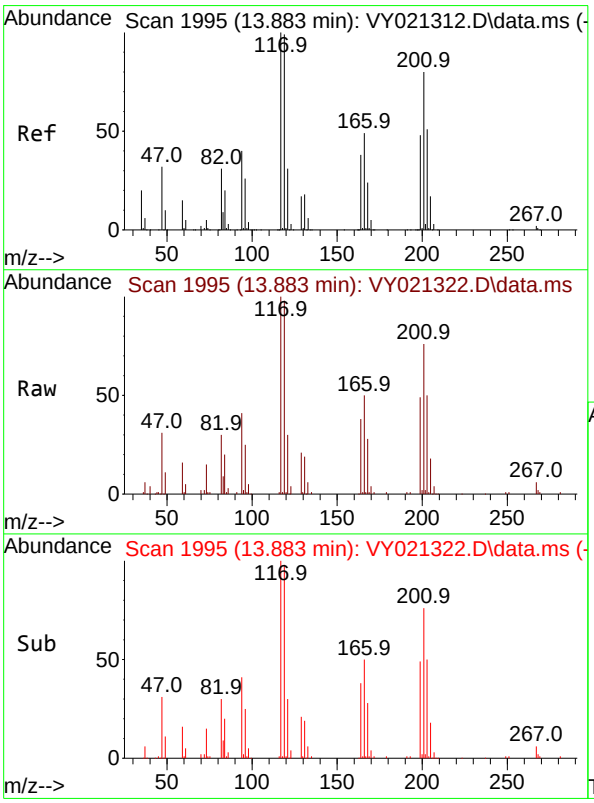
#89
n-Butylbenzene
Concen: 18.911 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 91 Resp: 155625

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.5	12.7	38.0

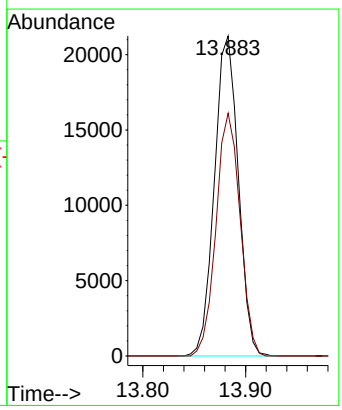


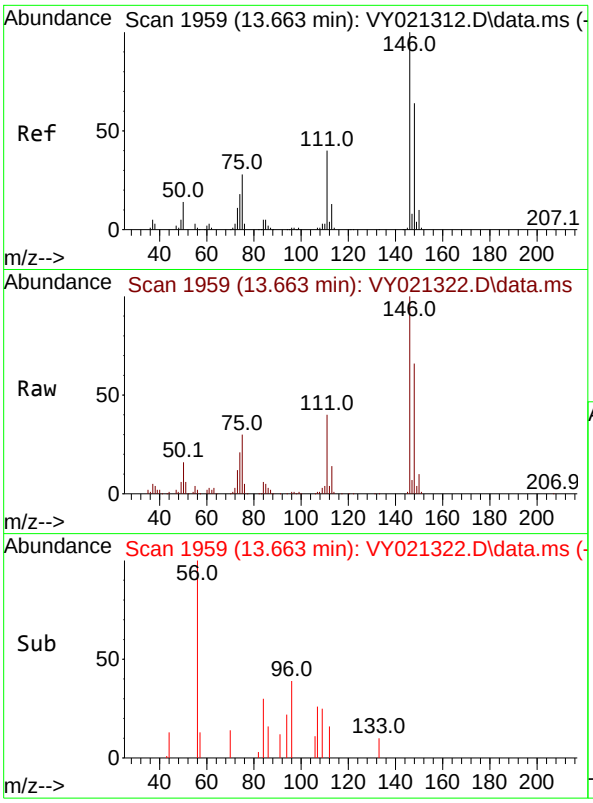


#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 34224

Ion	Ratio	Lower	Upper
117	100		
201	76.4	38.4	115.2



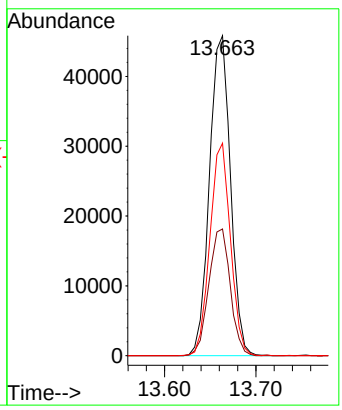


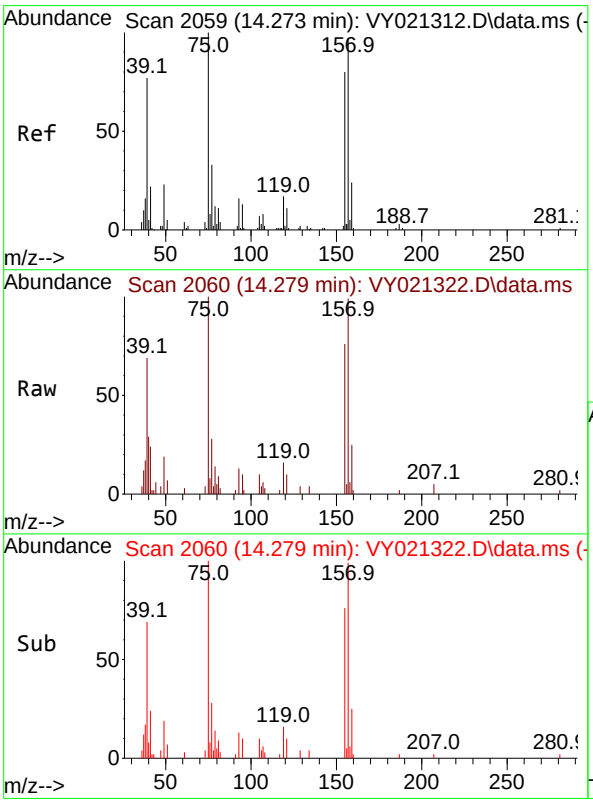
#91
1,2-Dichlorobenzene
Concen: 18.778 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:146 Resp: 73256

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.9	31.7	95.1

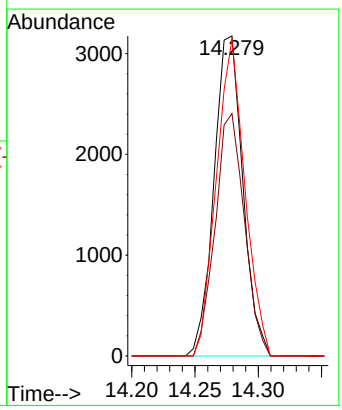


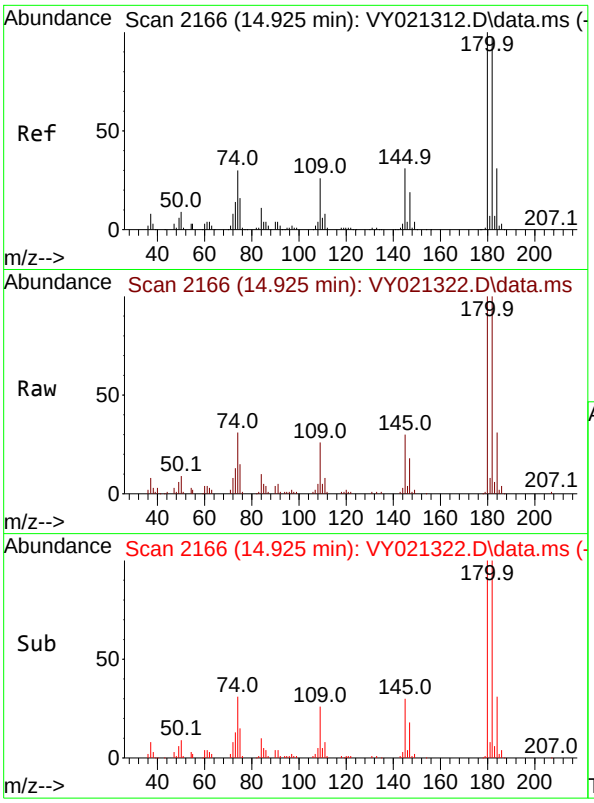


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.599 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5025

Ion	Ratio	Lower	Upper
75	100		
155	76.7	41.9	125.6
157	97.9	52.5	157.6



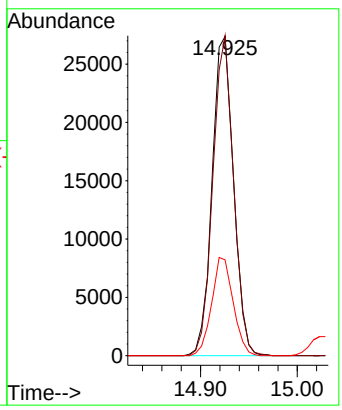


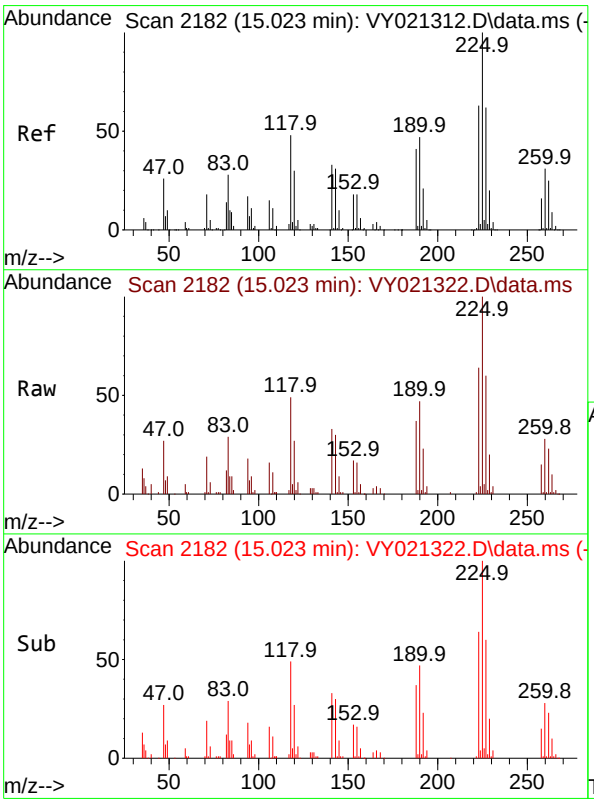
#93
1,2,4-Trichlorobenzene
Concen: 17.702 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:180 Resp: 42148

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.9	15.6	46.8

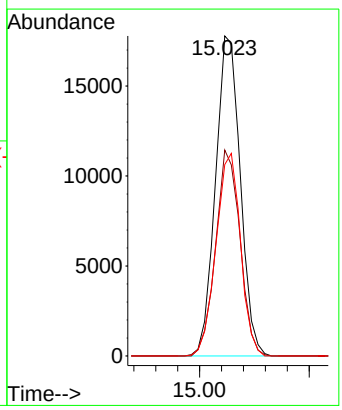


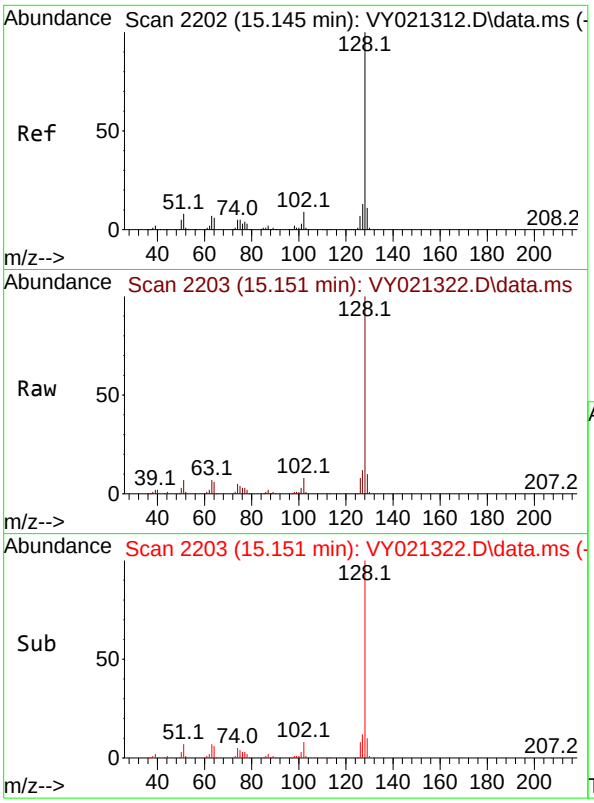


#94
Hexachlorobutadiene
Concen: 18.650 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:225 Resp: 27956

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	62.6	31.9	95.7



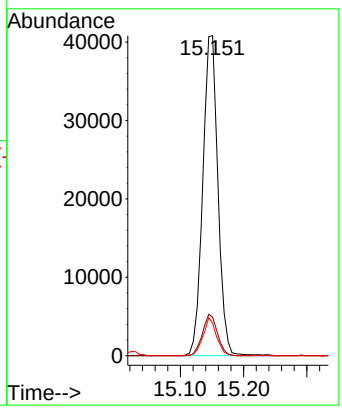


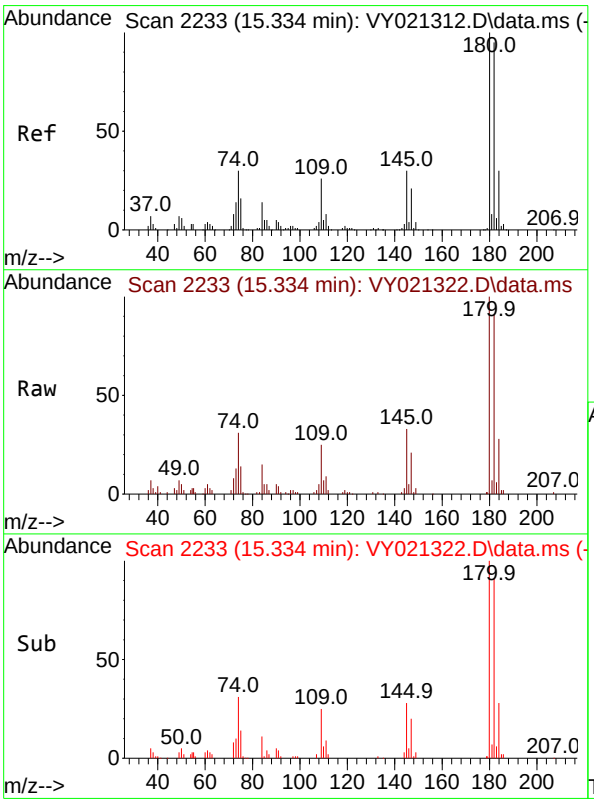
#95
Naphthalene
Concen: 17.269 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:128 Resp: 68106

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	8.5	12.7

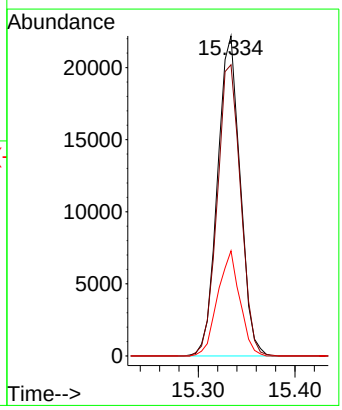




#96
1,2,3-Trichlorobenzene
Concen: 17.931 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 36072

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	32.1	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	157236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	260195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	210847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	76053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72971	40.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 81.820%			
35) Dibromofluoromethane	7.634	113	68031	39.881	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 79.760%			
50) Toluene-d8	10.109	98	240193	36.433	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 72.860%			
62) 4-Bromofluorobenzene	12.407	95	69748	31.436	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 62.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	61061	40.959	ug/l	97
3) Chloromethane	2.068	50	75807	39.374	ug/l	96
4) Vinyl Chloride	2.202	62	78401	41.488	ug/l	96
5) Bromomethane	2.598	94	51516	41.023	ug/l	97
6) Chloroethane	2.732	64	50624	43.200	ug/l	100
7) Trichlorofluoromethane	3.062	101	121867	42.702	ug/l	96
8) Diethyl Ether	3.452	74	36706	42.853	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	66141	40.030	ug/l	100
10) Methyl Iodide	4.000	142	77342	44.492	ug/l	99
11) Tert butyl alcohol	4.848	59	21669	157.938	ug/l	99
12) 1,1-Dichloroethene	3.787	96	66249	41.875	ug/l	96
13) Acrolein	3.653	56	4021	38.245	ug/l	94
14) Allyl chloride	4.385	41	116238	41.440	ug/l	98
15) Acrylonitrile	5.055	53	78167	206.399	ug/l	98
16) Acetone	3.866	43	66220	193.537	ug/l	96
17) Carbon Disulfide	4.104	76	223679	42.578	ug/l	100
18) Methyl Acetate	4.385	43	34298	41.017	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	179116	42.851	ug/l	100
20) Methylene Chloride	4.616	84	81543	44.072	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	72991	41.909	ug/l	99
22) Diisopropyl ether	6.018	45	253120	43.608	ug/l	99
23) Vinyl Acetate	5.957	43	720641	207.762	ug/l	100
24) 1,1-Dichloroethane	5.915	63	141491	43.249	ug/l	99
25) 2-Butanone	6.896	43	97484	188.778	ug/l	97
26) 2,2-Dichloropropane	6.884	77	116141	39.124	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	86167	43.326	ug/l	97
28) Bromochloromethane	7.244	49	57642	39.820	ug/l	97
29) Tetrahydrofuran	7.256	42	65801	194.942	ug/l	99
30) Chloroform	7.421	83	144111	43.472	ug/l	98
31) Cyclohexane	7.701	56	101332	32.222	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	128495	42.585	ug/l	98
36) 1,1-Dichloropropene	7.835	75	97595	38.087	ug/l	100
37) Ethyl Acetate	6.982	43	46381	36.388	ug/l	99
38) Carbon Tetrachloride	7.817	117	112360	39.004	ug/l	99
39) Methylcyclohexane	9.109	83	75862	23.407	ug/l	98
40) Benzene	8.079	78	305903	40.385	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	21421	30.058	ug/l	#	77
42) 1,2-Dichloroethane	8.158	62	88913	41.373	ug/l		99
43) Isopropyl Acetate	8.195	43	93368	37.845	ug/l		98
44) Trichloroethene	8.865	130	72832	38.405	ug/l		98
45) 1,2-Dichloropropane	9.140	63	74364	40.795	ug/l		95
46) Dibromomethane	9.231	93	41712	41.862	ug/l		99
47) Bromodichloromethane	9.426	83	110838	41.719	ug/l		96
48) Methyl methacrylate	9.219	41	44133	38.254	ug/l		96
49) 1,4-Dioxane	9.231	88	8526	769.549	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	231679	183.451	ug/l		100
52) Toluene	10.170	92	183630	39.024	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	94800	38.946	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	112176	39.037	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	53062	40.878	ug/l		98
56) Ethyl methacrylate	10.438	69	69781	38.906	ug/l		100
57) 1,3-Dichloropropane	10.713	76	93102	40.874	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	5592	6.496	ug/l		99
59) 2-Hexanone	10.761	43	149683	180.470	ug/l		100
60) Dibromochloromethane	10.908	129	71421	40.400	ug/l		99
61) 1,2-Dibromoethane	11.017	107	50162	40.819	ug/l		99
64) Tetrachloroethene	10.646	164	57467	36.059	ug/l		96
65) Chlorobenzene	11.438	112	182843	38.632	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	70727	42.677	ug/l		99
67) Ethyl Benzene	11.517	91	314620	37.529	ug/l		100
68) m/p-Xylenes	11.627	106	228225	72.376	ug/l		100
69) o-Xylene	11.950	106	111364	37.699	ug/l		99
70) Styrene	11.969	104	126425	25.722	ug/l		95
71) Bromoform	12.133	173	39491	41.654	ug/l	#	99
73) Isopropylbenzene	12.255	105	253772	44.384	ug/l		99
74) N-amyl acetate	12.072	43	76847	52.878	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	57034	56.521	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	70100	92.085	ug/l	#	100
77) Bromobenzene	12.529	156	65189	49.018	ug/l		100
78) n-propylbenzene	12.596	91	264648	38.144	ug/l		100
79) 2-Chlorotoluene	12.682	91	170166	42.735	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	174002	37.106	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	17347	50.649	ug/l		95
82) 4-Chlorotoluene	12.779	91	166815	40.414	ug/l		99
83) tert-Butylbenzene	12.999	119	154167	36.395	ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	176279	37.797	ug/l		99
85) sec-Butylbenzene	13.176	105	176198	28.477	ug/l		99
86) p-Isopropyltoluene	13.291	119	143404	27.756	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	88665	33.704	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	90233	34.721	ug/l		98
89) n-Butylbenzene	13.615	91	100472	20.665	ug/l		99
90) Hexachloroethane	13.883	117	32849	30.438	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	83694	36.312	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8068	50.542	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	18559	13.193	ug/l		95
94) Hexachlorobutadiene	15.023	225	8471	9.565	ug/l		97
95) Naphthalene	15.145	128	53429	22.930	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	16632	13.994	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021342.D
Acq On : 26 Feb 2025 19:21
Operator : SY/MD
Sample : Q1380-07MS
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
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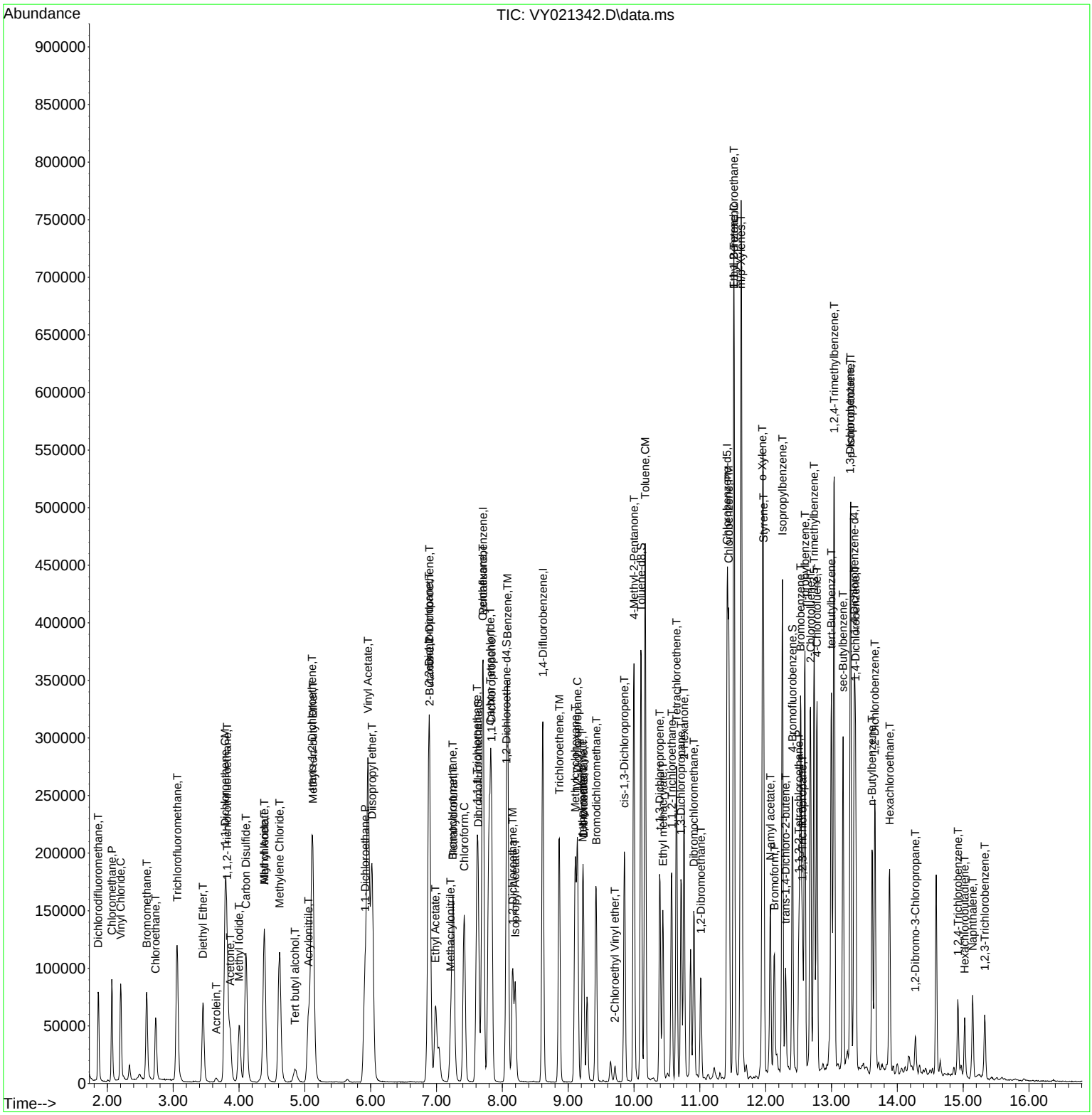
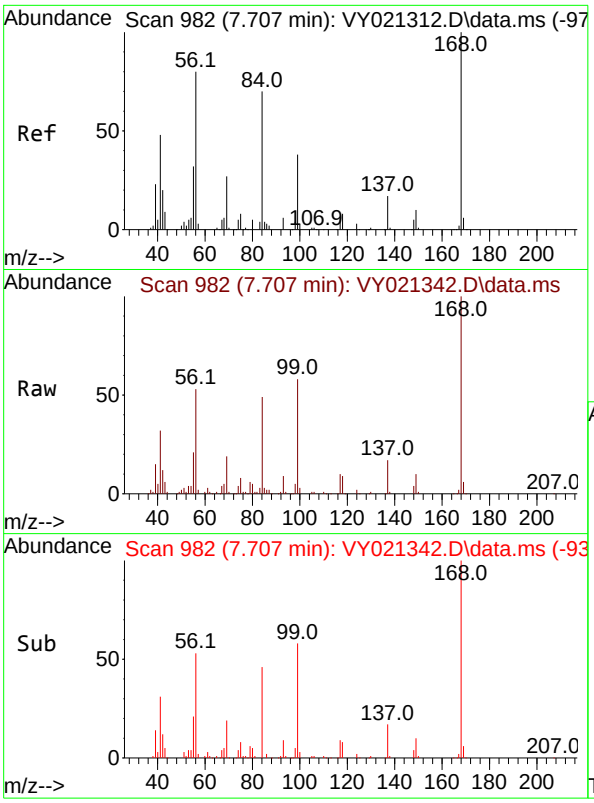
BP-VPB-192-GW-725-727MS

Quant Time: Feb 27 00:42:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



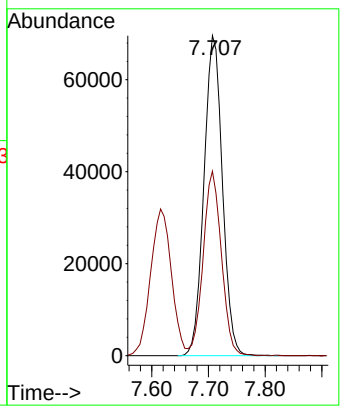


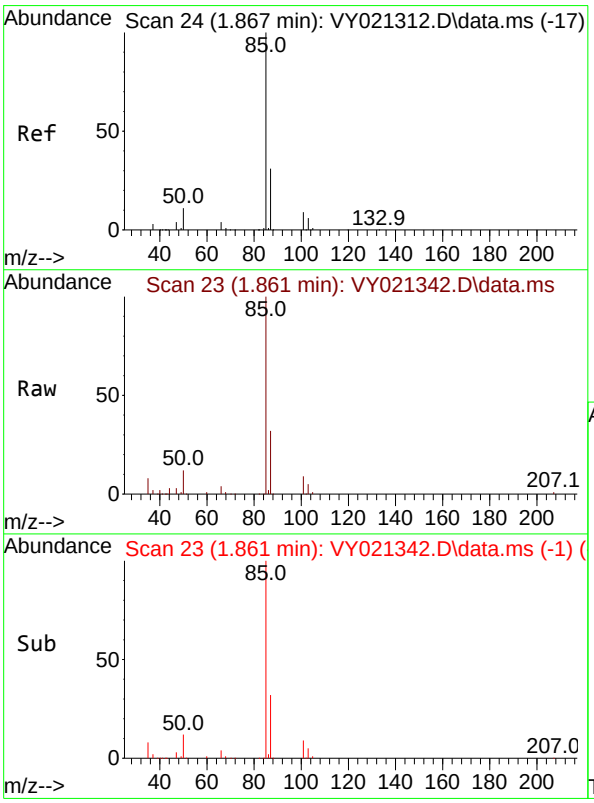
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:168 Resp: 157236

Ion	Ratio	Lower	Upper
168	100		
99	57.5	47.1	70.7

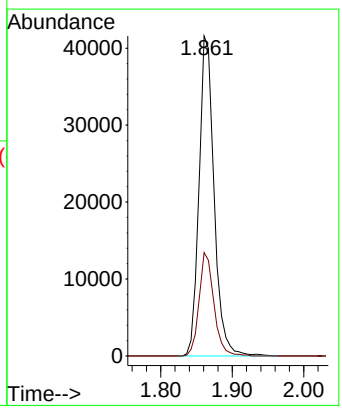


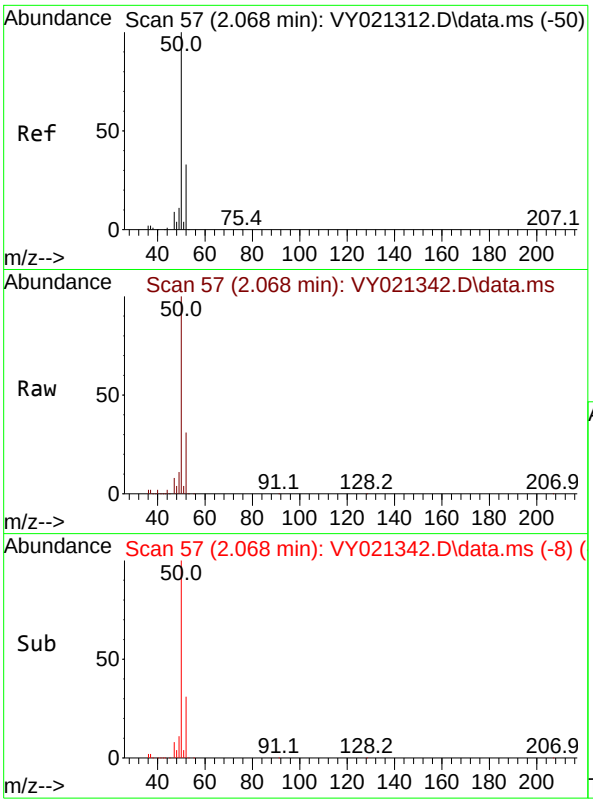


#2
Dichlorodifluoromethane
Concen: 40.959 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 85 Resp: 61061

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4



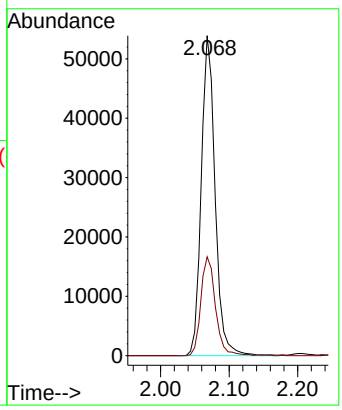


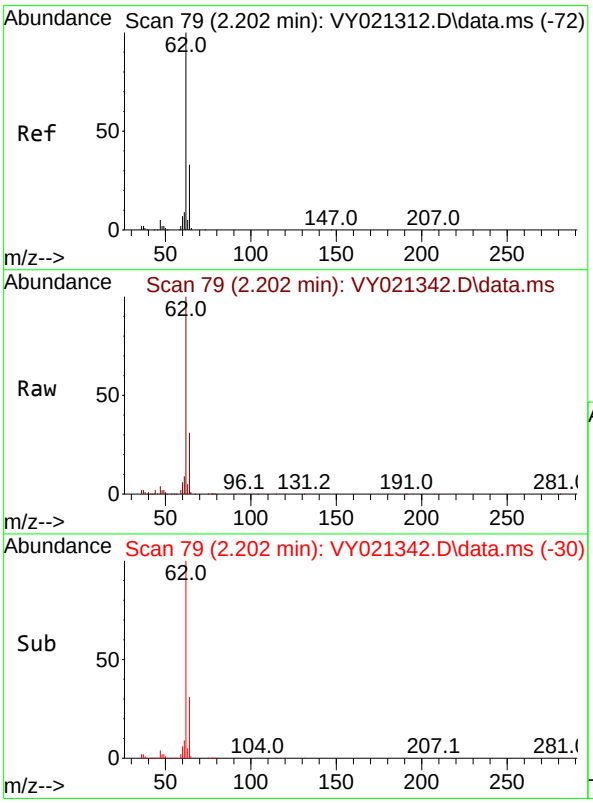
#3
Chloromethane
Concen: 39.374 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 50 Resp: 75807

Ion	Ratio	Lower	Upper
50	100		
52	30.9	26.6	40.0

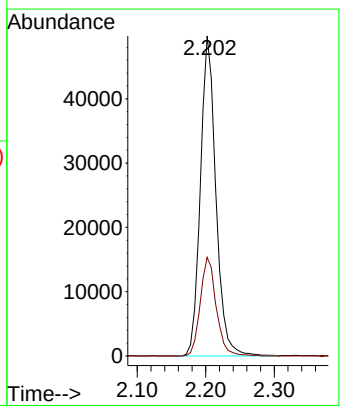


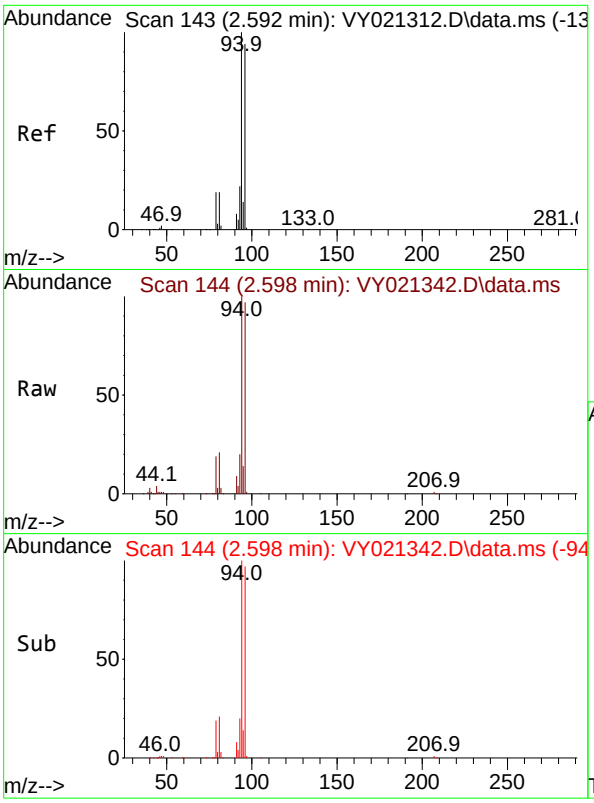


#4
Vinyl Chloride
Concen: 41.488 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 62 Resp: 78401

Ion	Ratio	Lower	Upper
62	100		
64	30.8	26.3	39.5



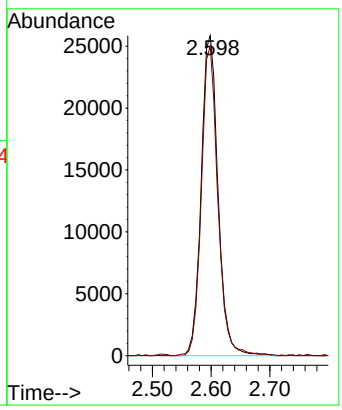


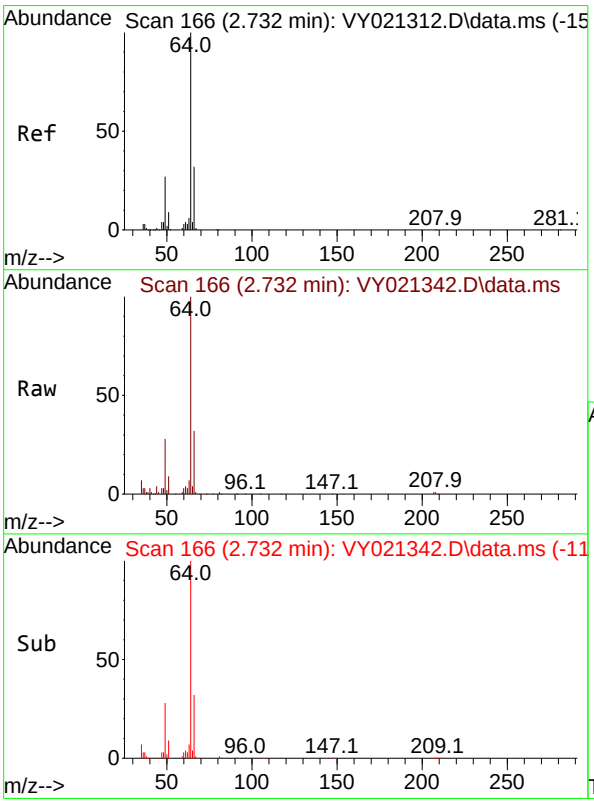
#5
Bromomethane
Concen: 41.023 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 94 Resp: 51516

Ion	Ratio	Lower	Upper
94	100		
96	96.7	75.2	112.8

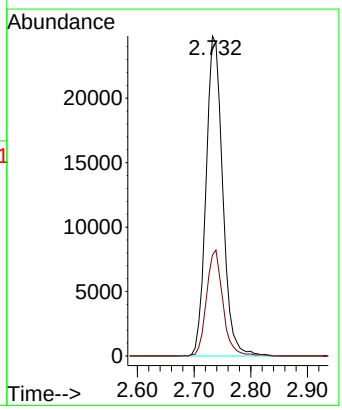


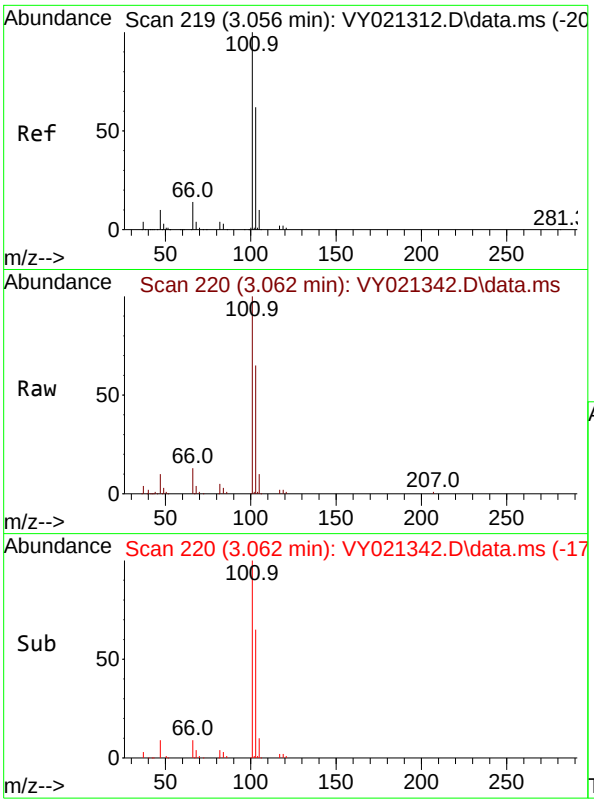


#6
Chloroethane
Concen: 43.200 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 64 Resp: 50624

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.4	38.0



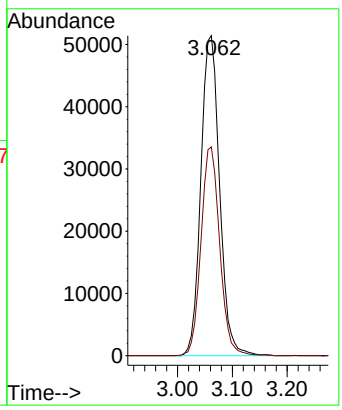


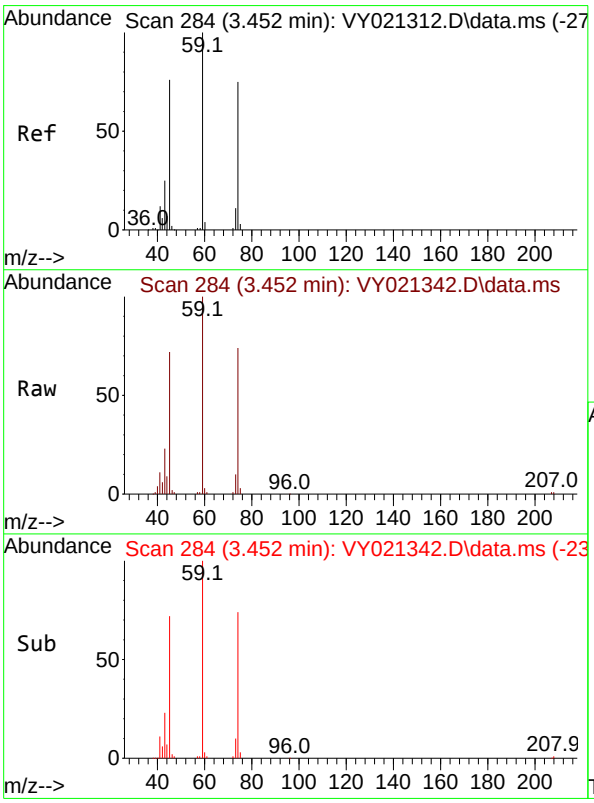
#7
Trichlorofluoromethane
Concen: 42.702 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:101 Resp: 121867

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5

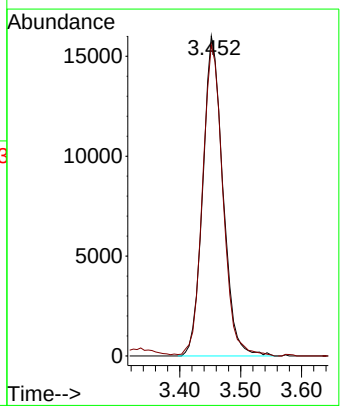


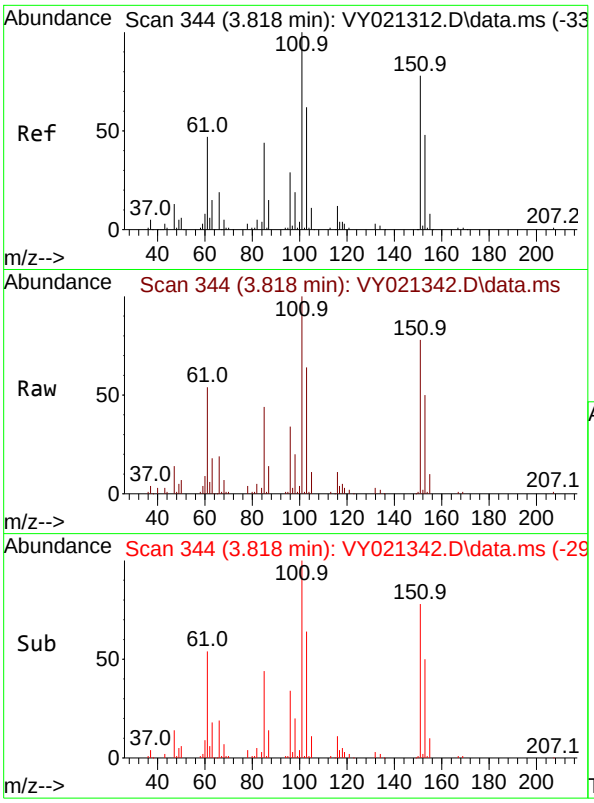


#8
Diethyl Ether
Concen: 42.853 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 74 Resp: 36706

Ion	Ratio	Lower	Upper
74	100		
45	98.4	50.3	150.9



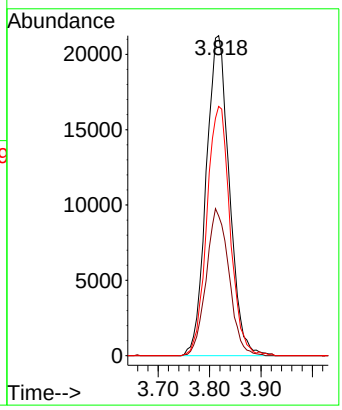


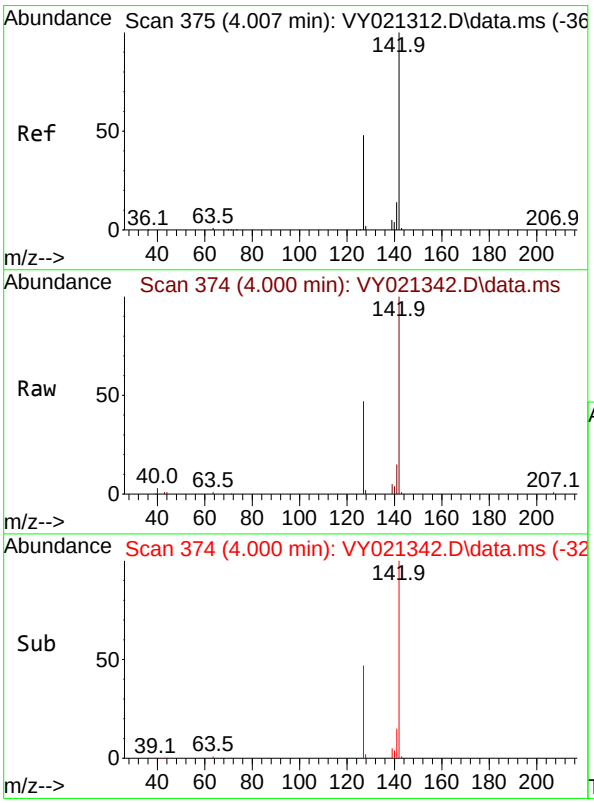
#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.030 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:101 Resp: 66141

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.7	55.1
151	78.5	62.6	94.0

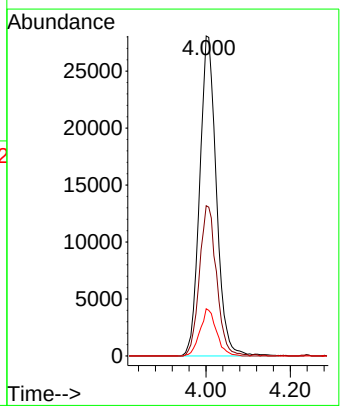


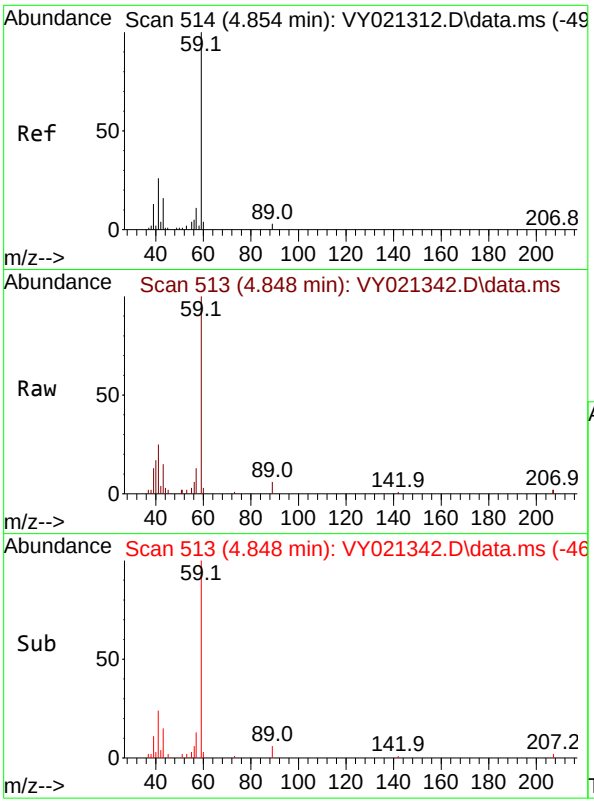


#10
Methyl Iodide
Concen: 44.492 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:142 Resp: 77342

Ion	Ratio	Lower	Upper
142	100		
127	48.1	39.2	58.8
141	14.5	11.4	17.2



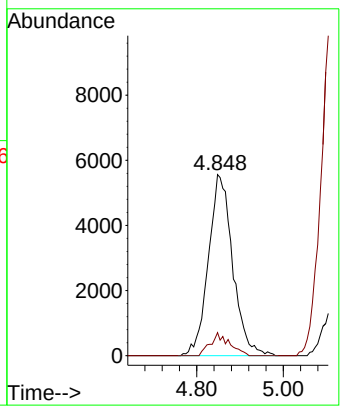


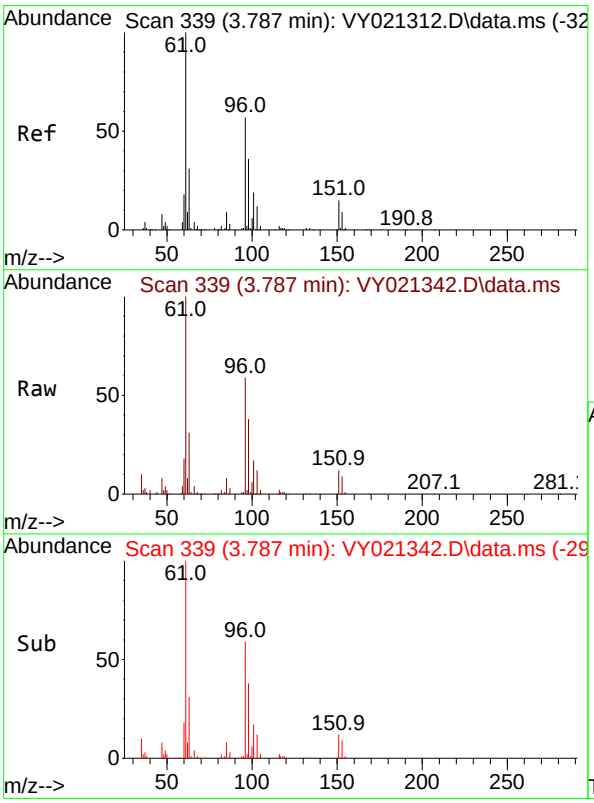
#11
Tert butyl alcohol
Concen: 157.938 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 59 Resp: 21669

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

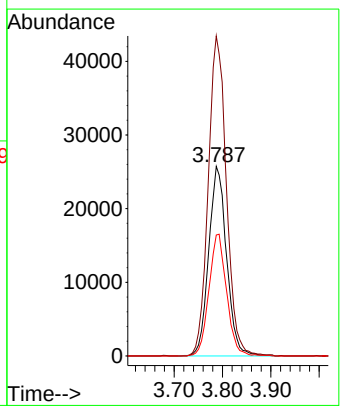


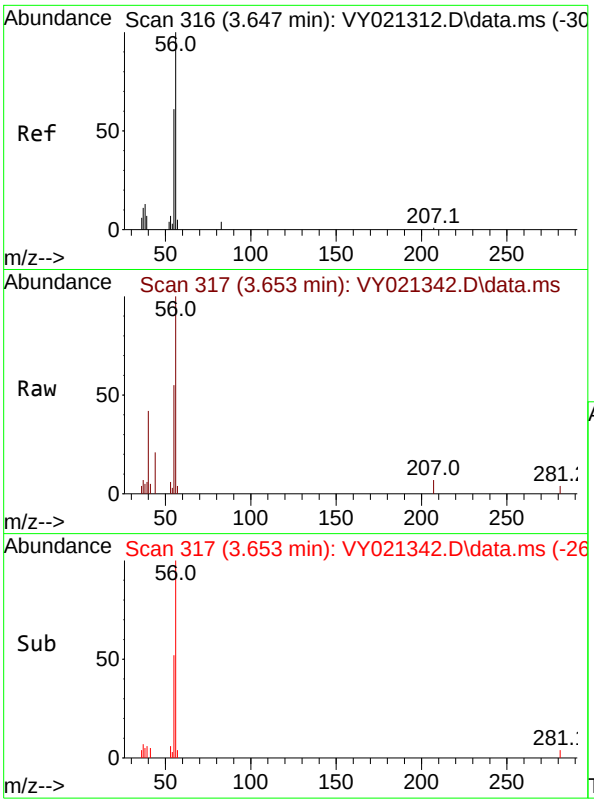


#12
1,1-Dichloroethene
Concen: 41.875 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 96 Resp: 66249

Ion	Ratio	Lower	Upper
96	100		
61	168.8	139.7	209.5
98	63.8	49.7	74.5



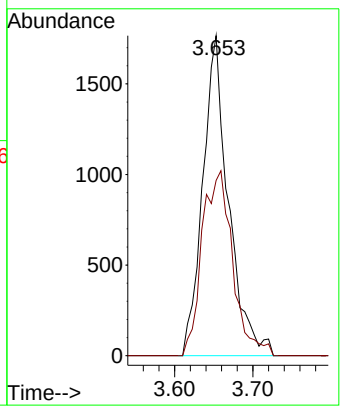


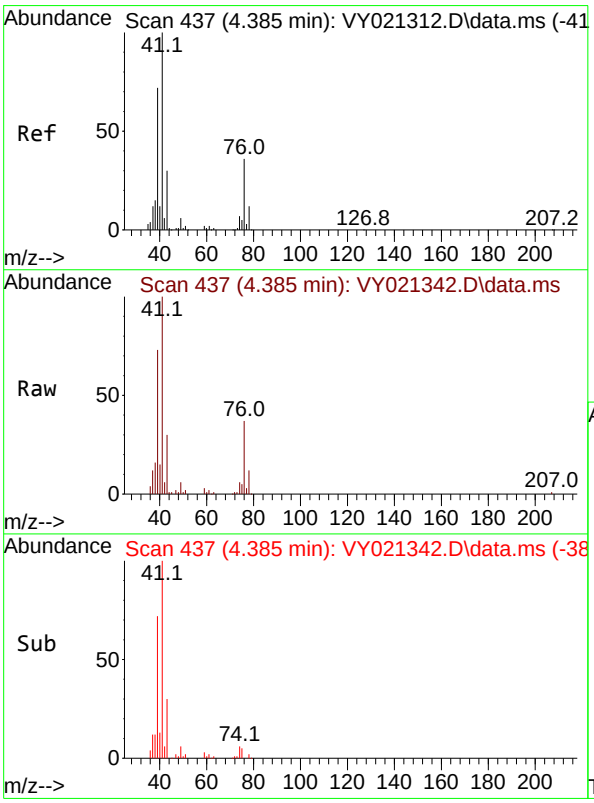
#13
Acrolein
Concen: 38.245 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 56 Resp: 4021

Ion	Ratio	Lower	Upper
56	100		
55	68.7	59.0	88.6

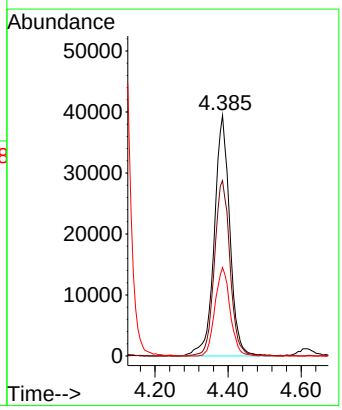


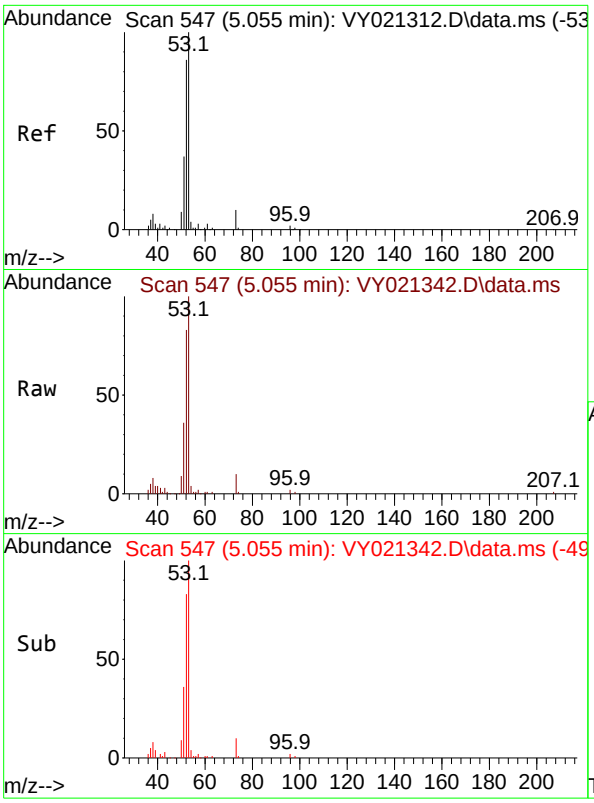


#14
Allyl chloride
Concen: 41.440 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 41 Resp: 116238

Ion	Ratio	Lower	Upper
41	100		
39	73.2	60.0	90.0
76	35.8	29.0	43.6



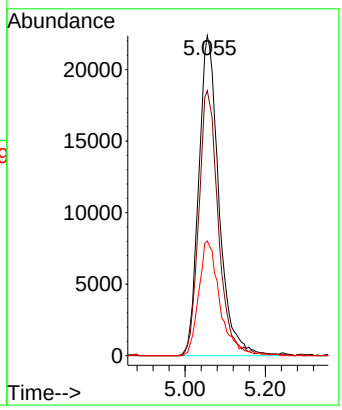


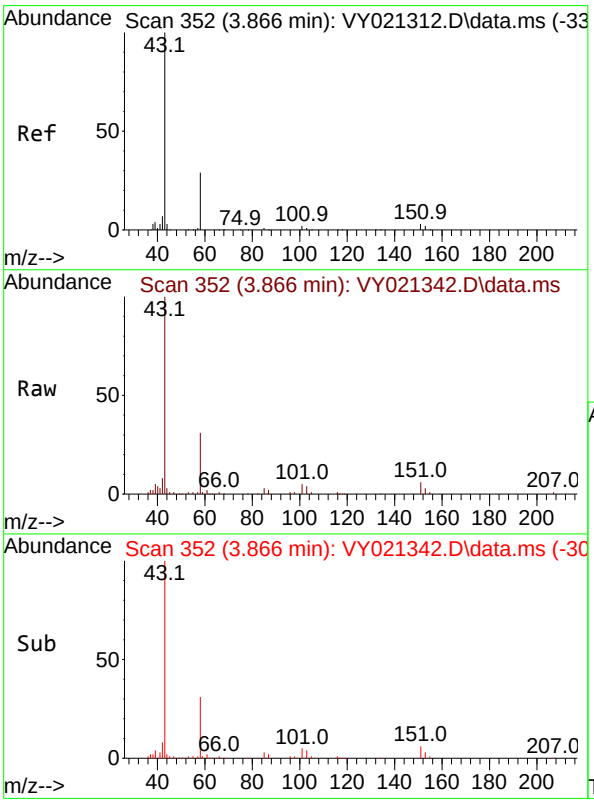
#15
Acrylonitrile
Concen: 206.399 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 53 Resp: 78167

Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.5	98.3
51	37.6	30.6	46.0

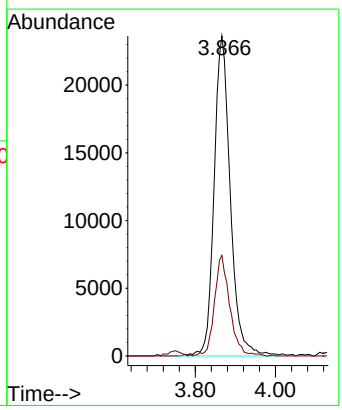


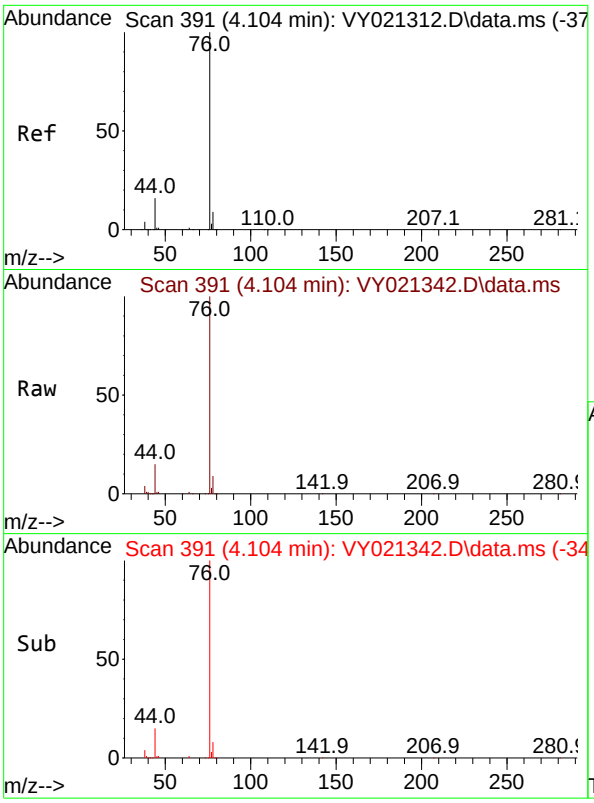


#16
Acetone
Concen: 193.537 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 66220

Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.5	35.3



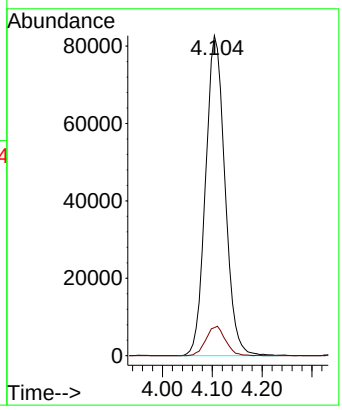


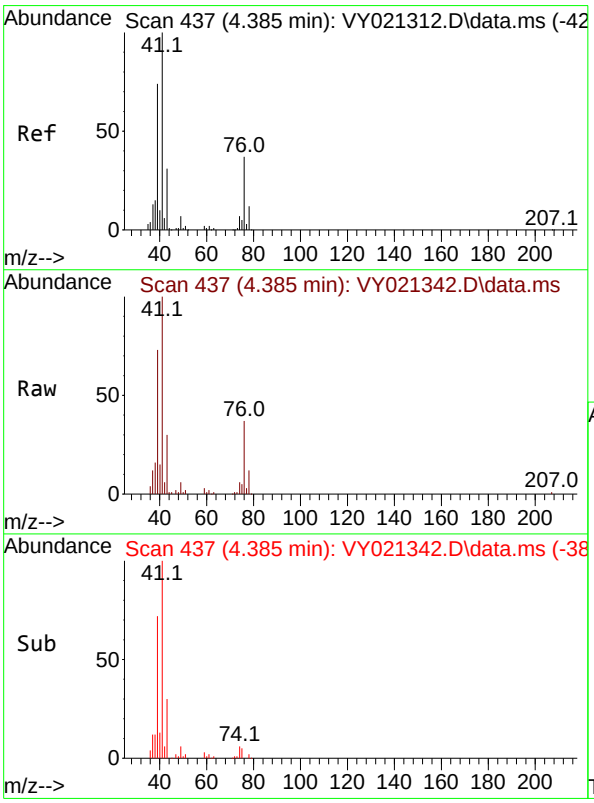
#17
Carbon Disulfide
Concen: 42.578 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 76 Resp: 223679

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

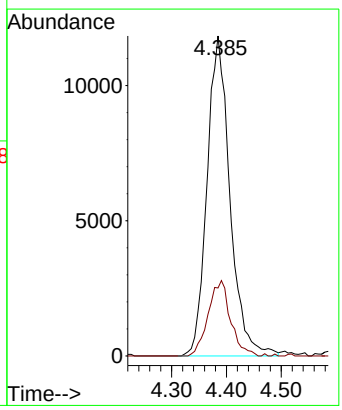


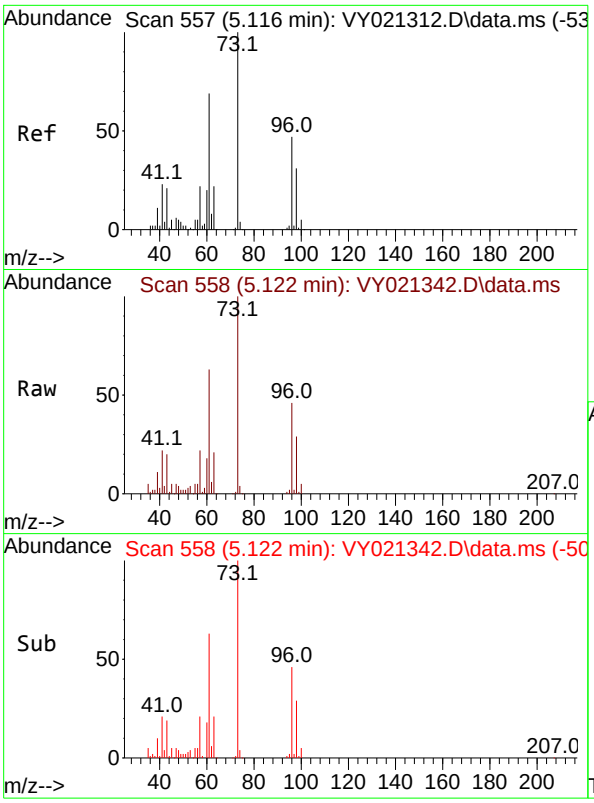


#18
Methyl Acetate
Concen: 41.017 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 34298

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.7	26.5



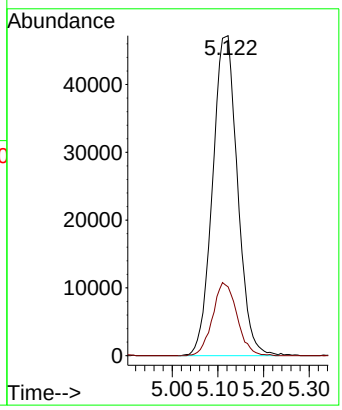


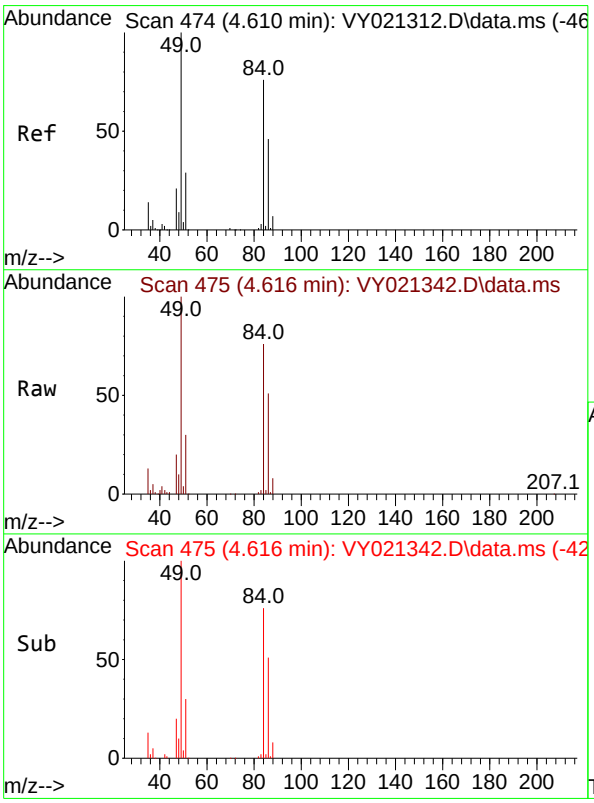
#19
Methyl tert-butyl Ether
Concen: 42.851 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 73 Resp: 179116

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0

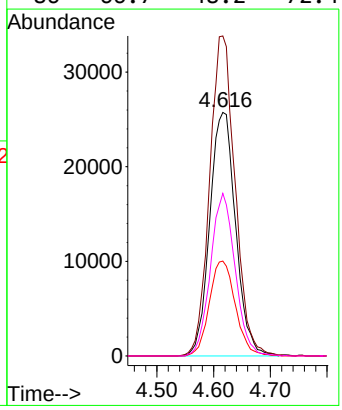


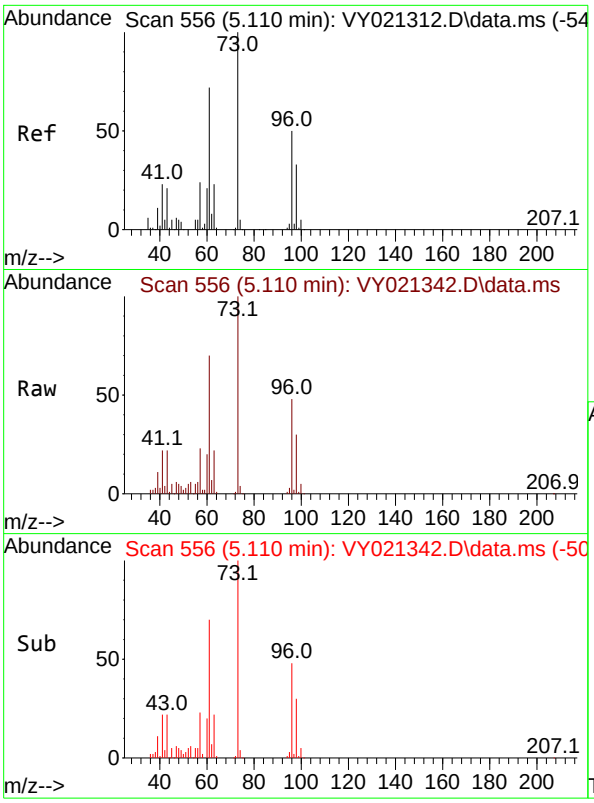


#20
Methylene Chloride
Concen: 44.072 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 84 Resp: 81543

Ion	Ratio	Lower	Upper
84	100		
49	131.4	105.1	157.7
51	39.0	31.0	46.4
86	66.7	48.2	72.4



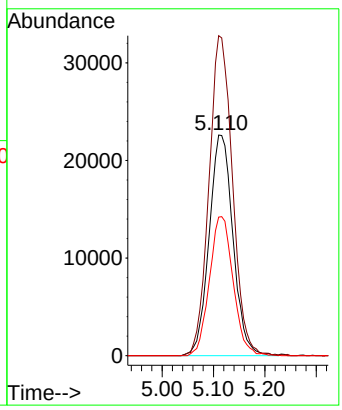


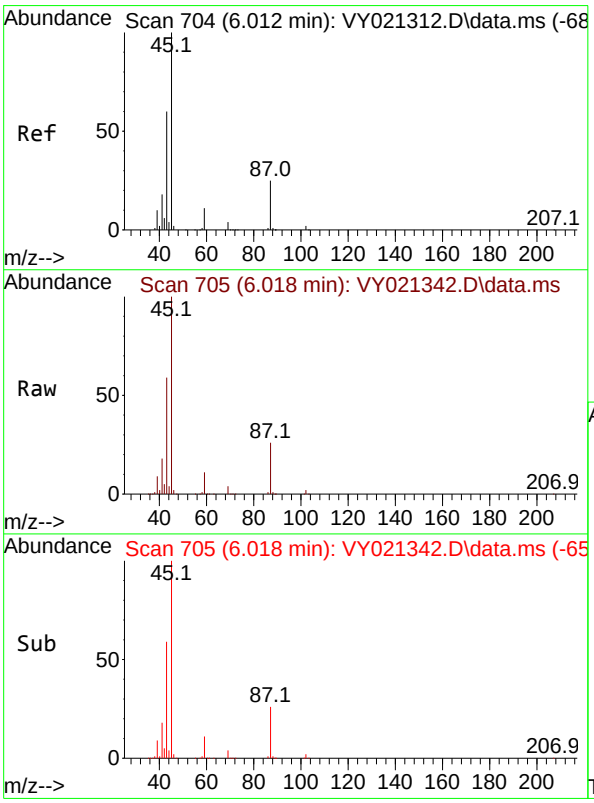
#21
trans-1,2-Dichloroethene
Concen: 41.909 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 96 Resp: 72991

Ion	Ratio	Lower	Upper
96	100		
61	145.0	116.3	174.5
98	62.8	52.6	78.8

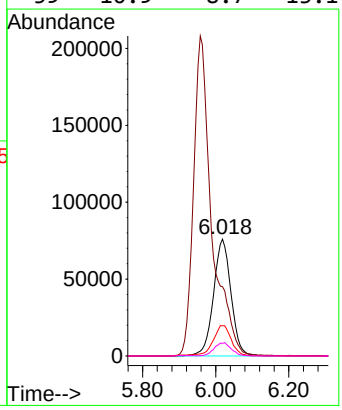


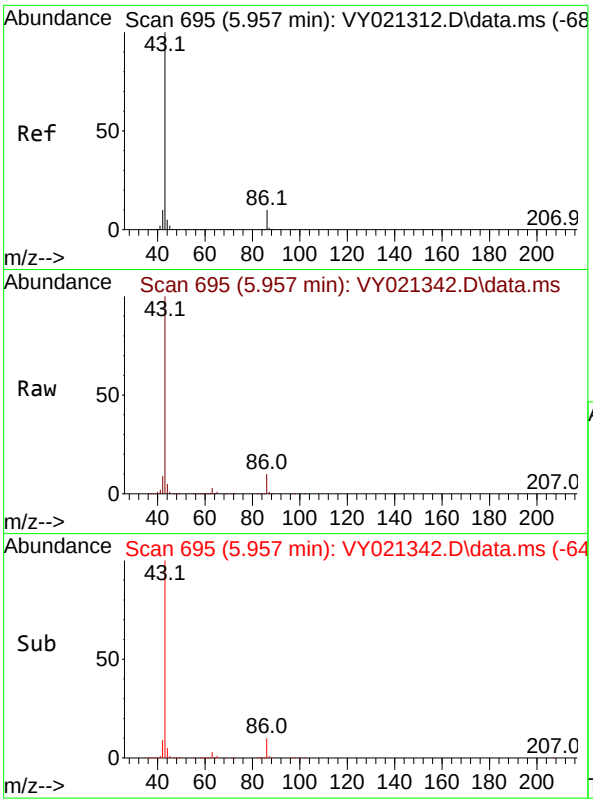


#22
Diisopropyl ether
Concen: 43.608 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 45 Resp: 253120

Ion	Ratio	Lower	Upper
45	100		
43	58.9	48.2	72.4
87	25.8	20.3	30.5
59	10.9	8.7	13.1



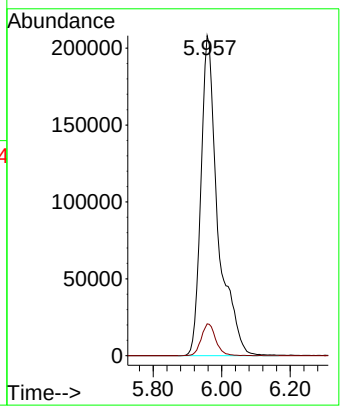


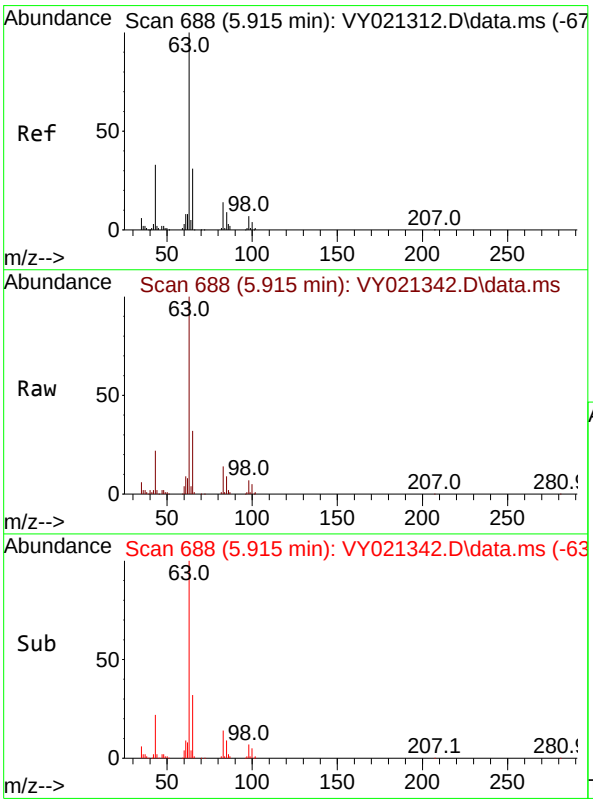
#23
Vinyl Acetate
Concen: 207.762 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 43 Resp: 720641

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.0	12.0

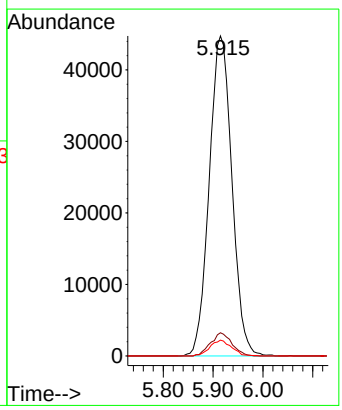


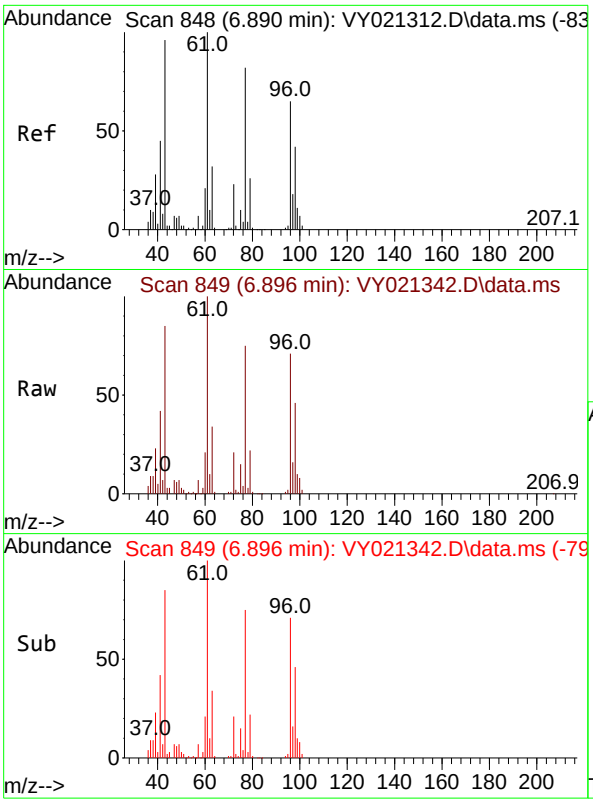


#24
1,1-Dichloroethane
Concen: 43.249 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 63 Resp: 141491

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	4.9	2.1	6.5



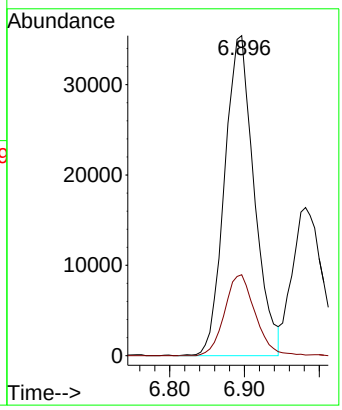


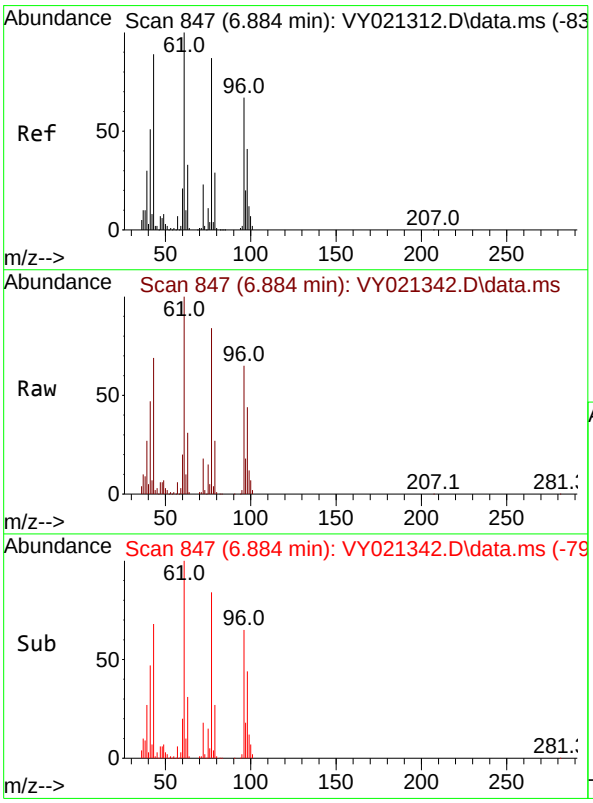
#25
2-Butanone
Concen: 188.778 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 43 Resp: 97484

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6

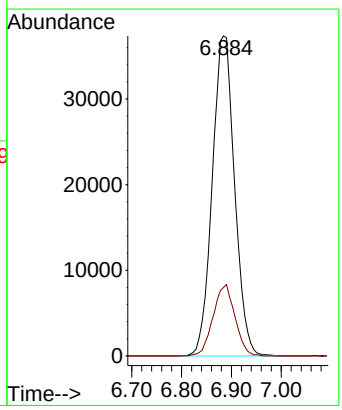


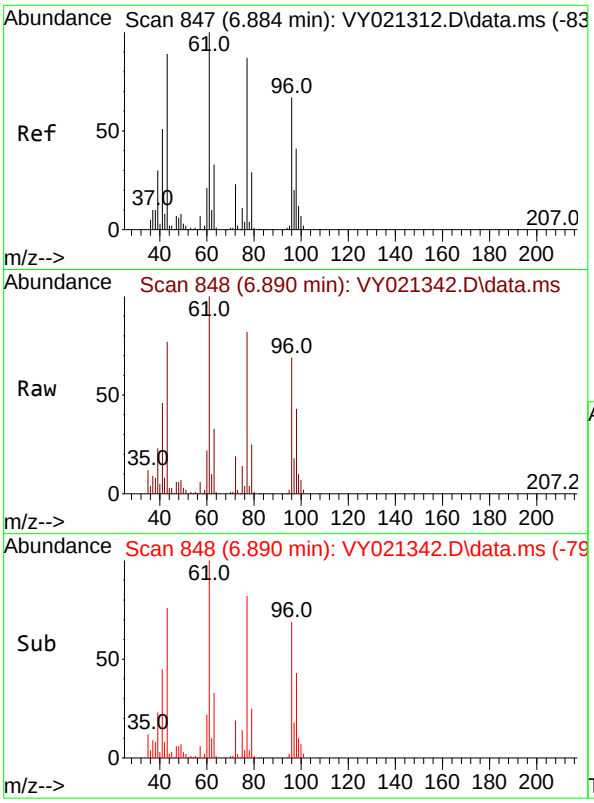


#26
2,2-Dichloropropane
Concen: 39.124 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 77 Resp: 116141

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



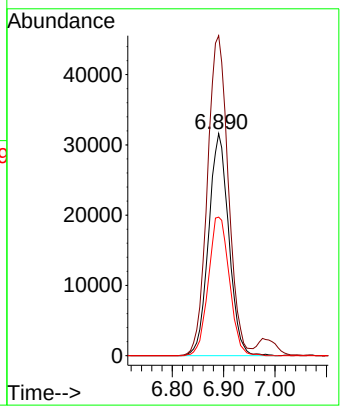


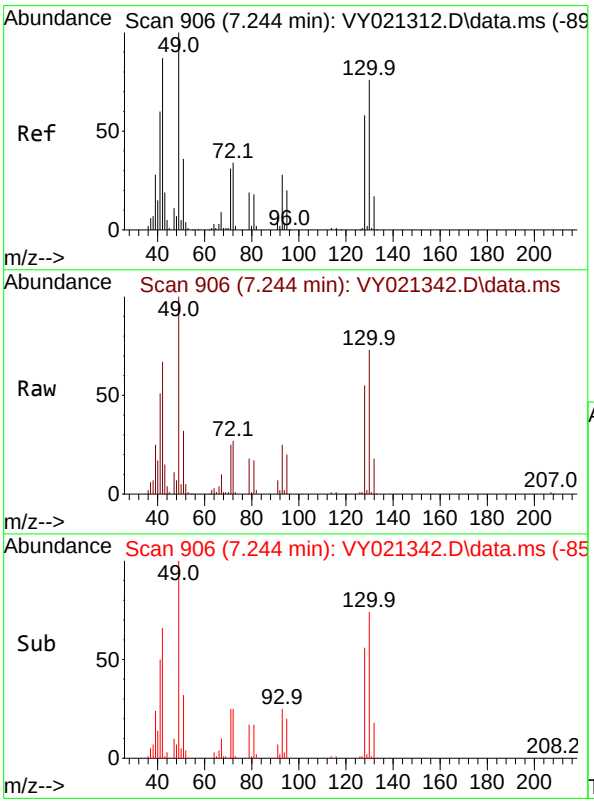
#27
cis-1,2-Dichloroethene
Concen: 43.326 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 96 Resp: 86167

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	308.0
98	65.2	0.0	129.6

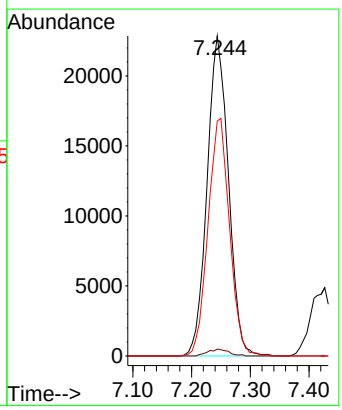


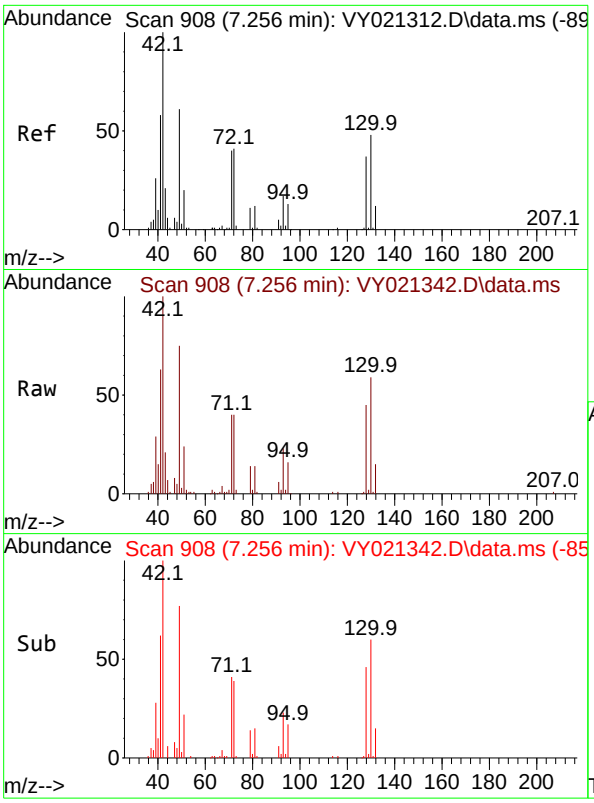


#28
Bromochloromethane
Concen: 39.820 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 49 Resp: 57642

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	74.9	57.8	86.6



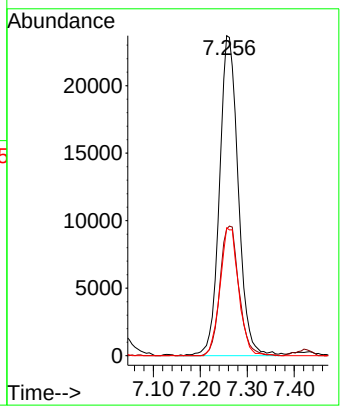


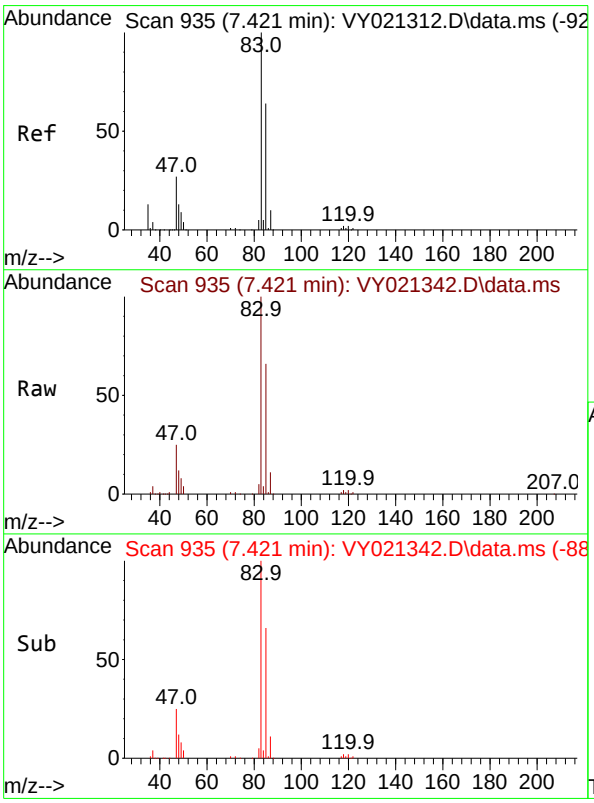
#29
Tetrahydrofuran
Concen: 194.942 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 42 Resp: 65801

Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	39.6	31.4	47.0

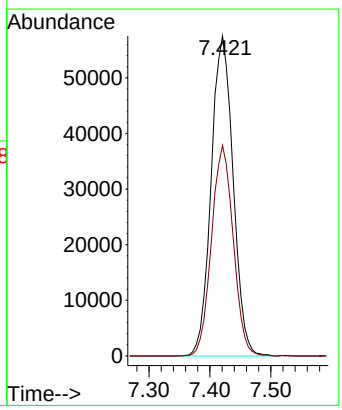


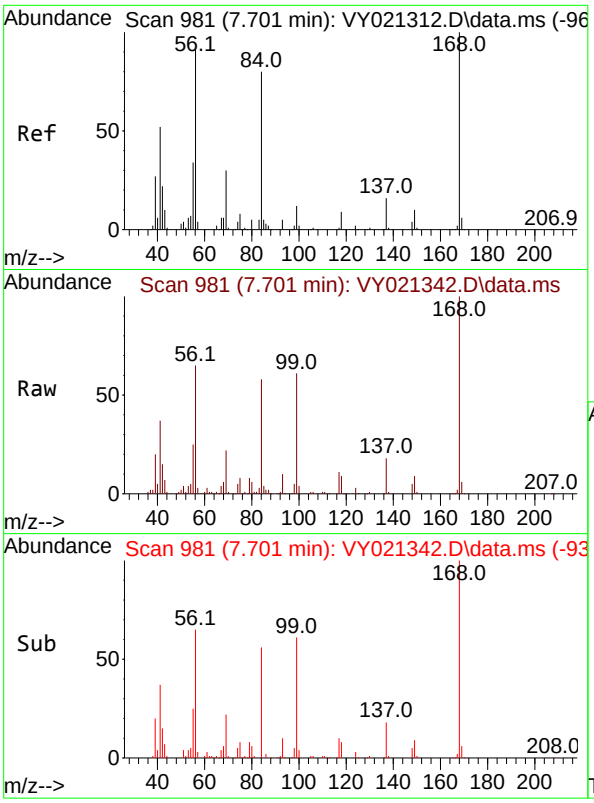


#30
Chloroform
Concen: 43.472 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 83 Resp: 144111

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.6	77.4



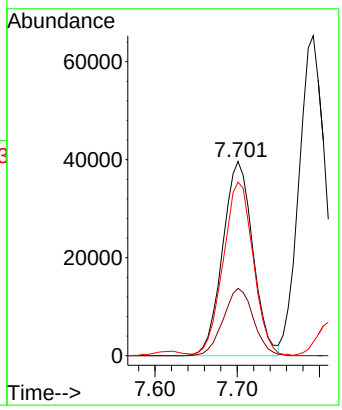


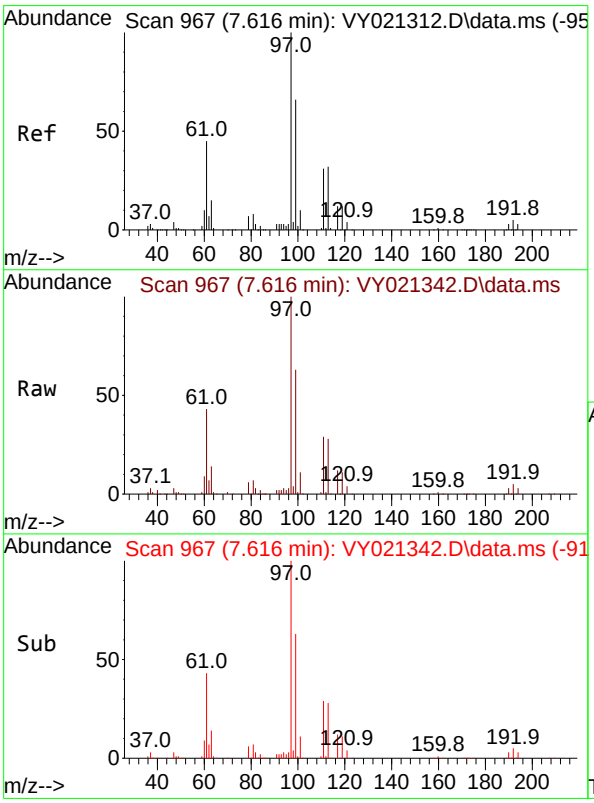
#31
Cyclohexane
Concen: 32.222 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 56 Resp: 101332

Ion	Ratio	Lower	Upper
56	100		
69	34.7	26.2	39.4
84	88.0	70.2	105.4

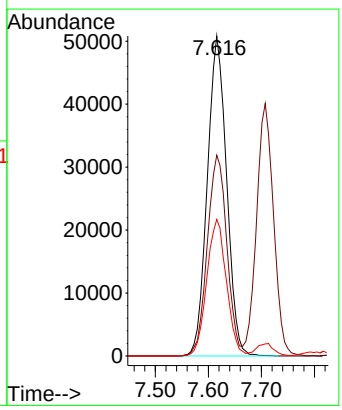


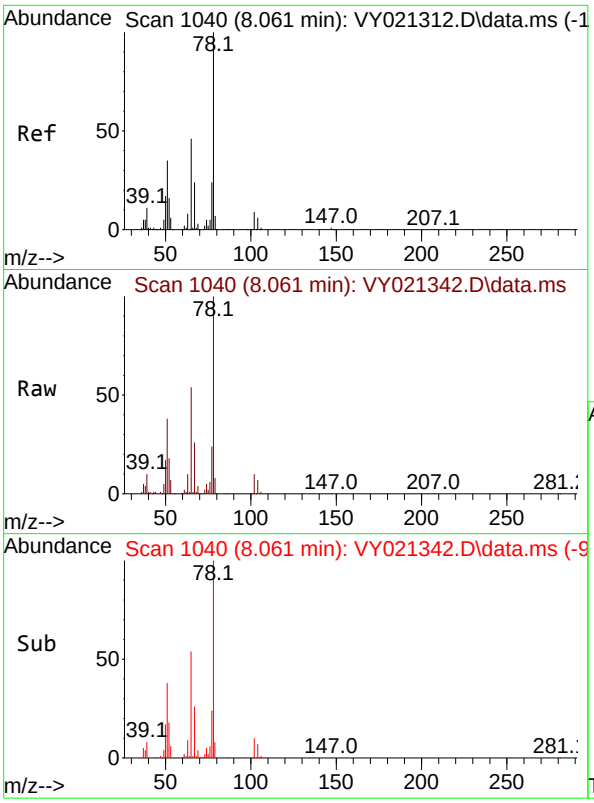


#32
1,1,1-Trichloroethane
Concen: 42.585 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 97 Resp: 128495

Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	43.5	36.2	54.2



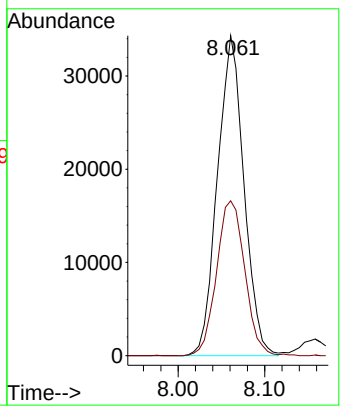


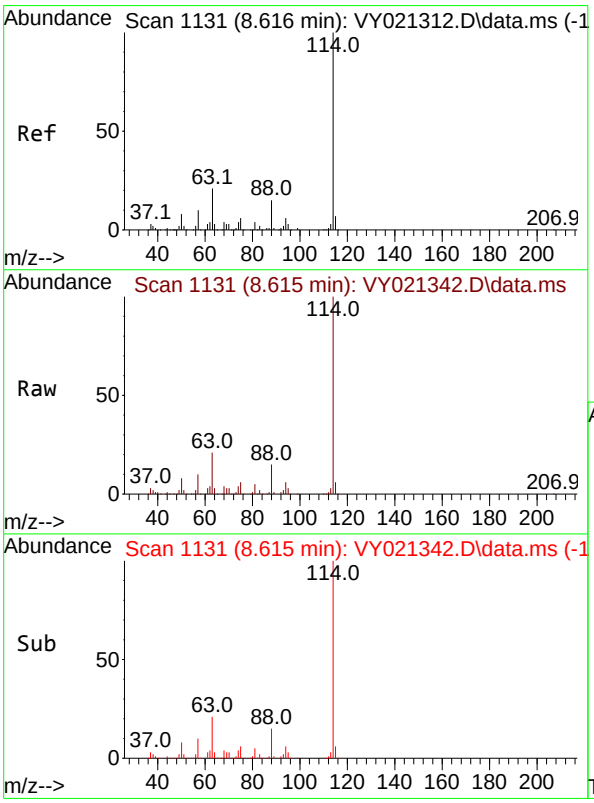
#33
1,2-Dichloroethane-d4
Concen: 40.910 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 65 Resp: 72971

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.6

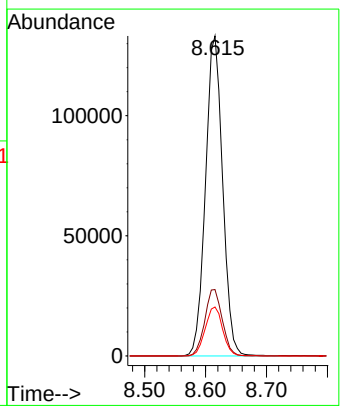


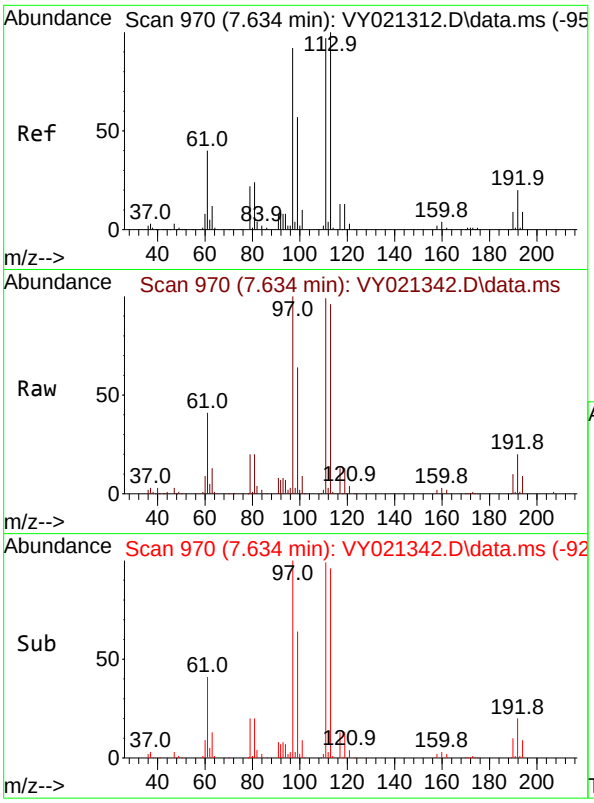


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:114 Resp: 260195

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.2
88	15.3	0.0	29.8



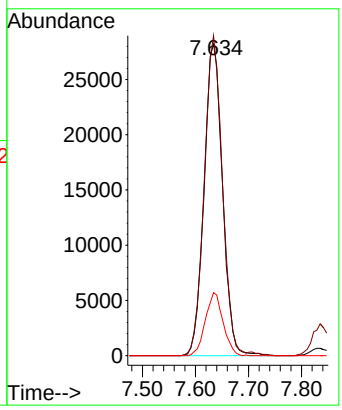


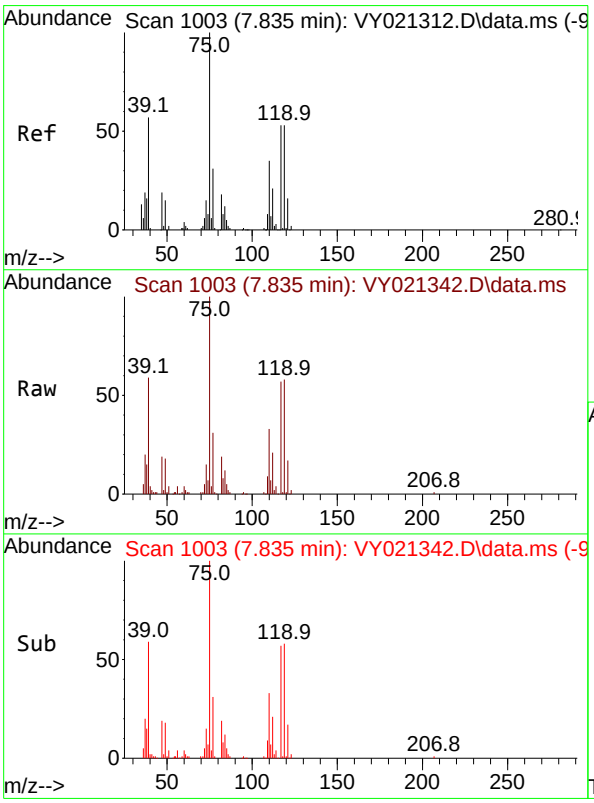
#35
Dibromofluoromethane
Concen: 39.881 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:113 Resp: 68031

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.0	121.6
192	19.4	15.8	23.8

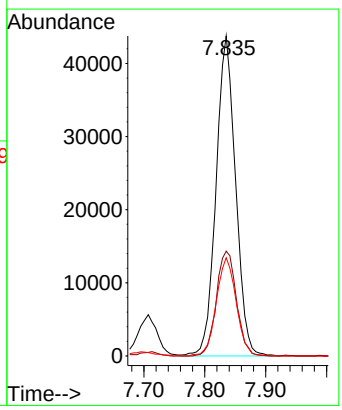


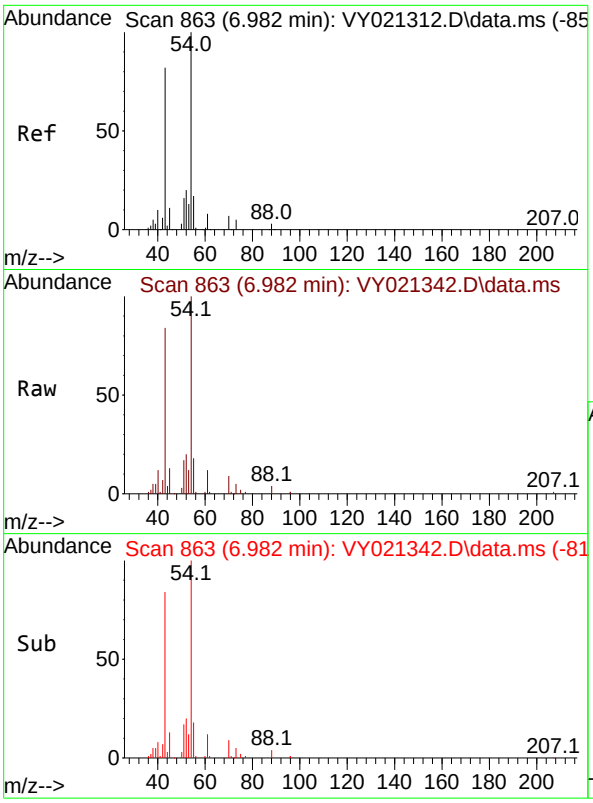


#36
1,1-Dichloropropene
Concen: 38.087 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 97595

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	31.1	24.6	36.8



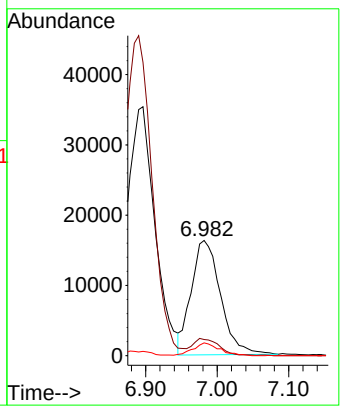


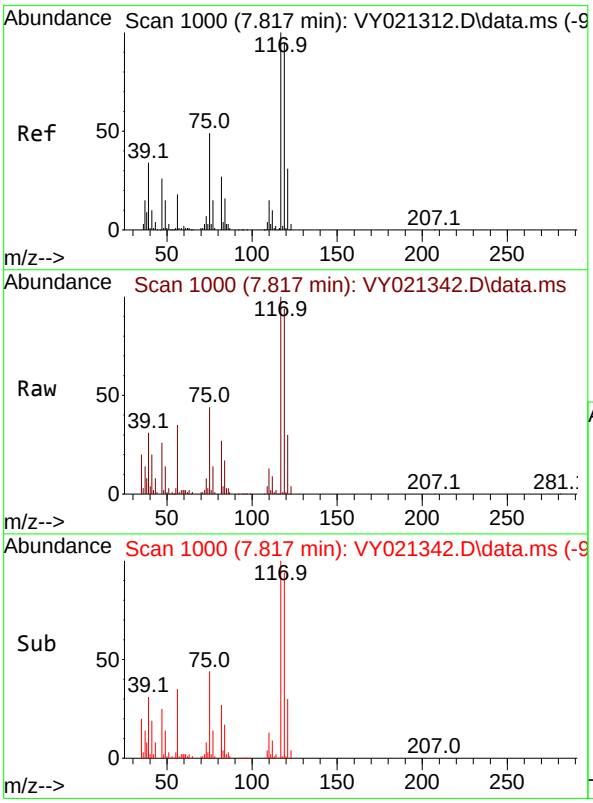
#37
Ethyl Acetate
Concen: 36.388 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 43 Resp: 46381

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.2	7.5	11.3

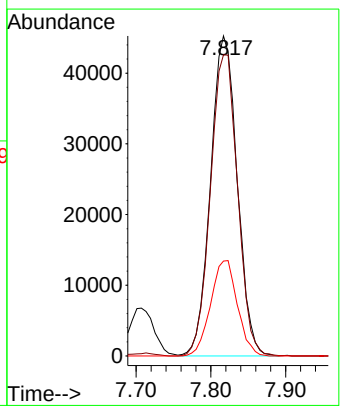


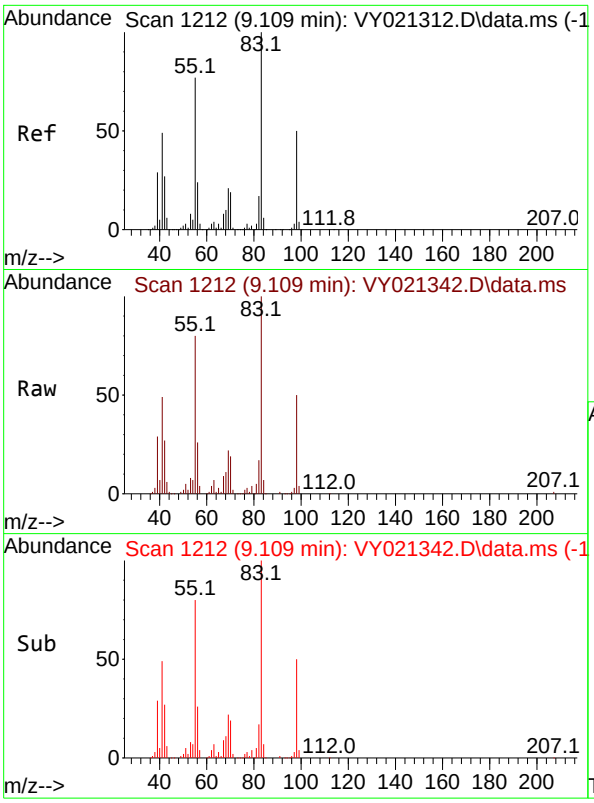


#38
Carbon Tetrachloride
Concen: 39.004 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:117 Resp: 112360

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.0	114.0
121	29.7	24.9	37.3



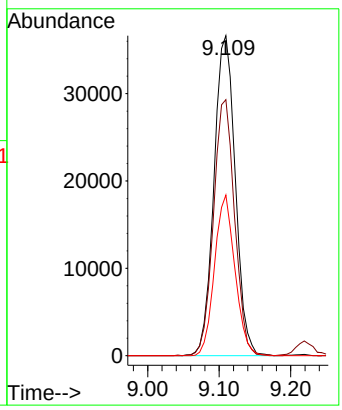


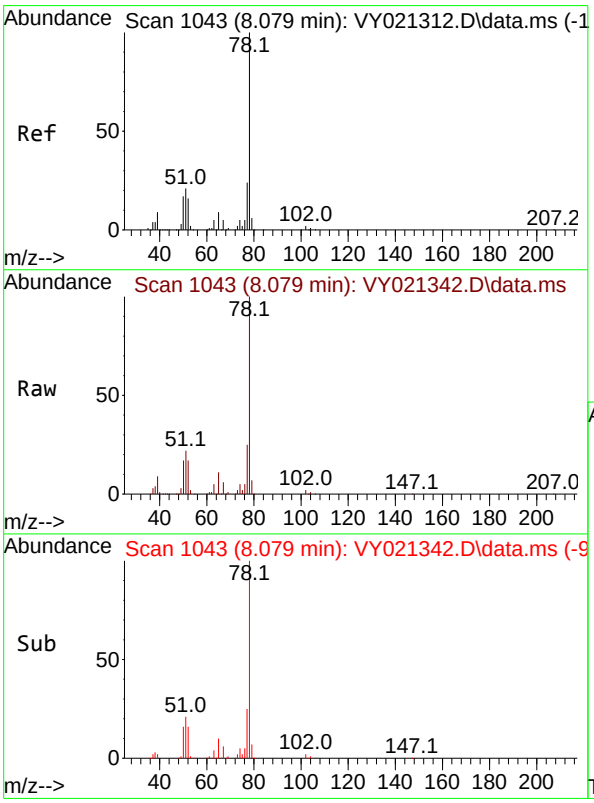
#39
Methylcyclohexane
Concen: 23.407 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 83 Resp: 75862

Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.3	91.9
98	50.2	39.9	59.9

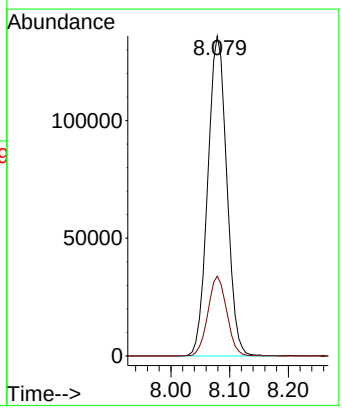


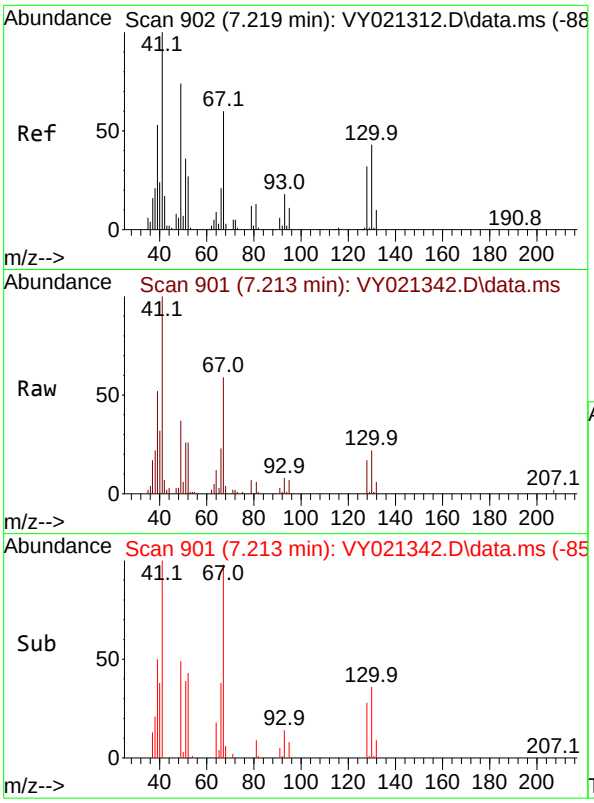


#40
Benzene
Concen: 40.385 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 78 Resp: 305903

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8



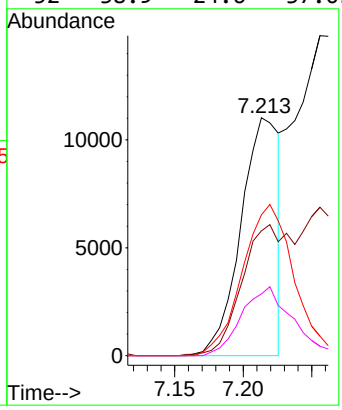


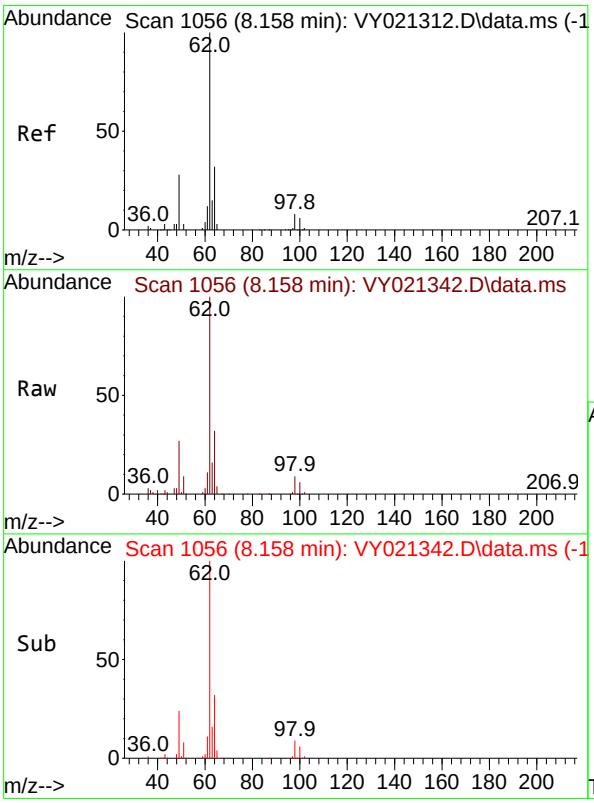
#41
Methacrylonitrile
Concen: 30.058 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 41 Resp: 21421

Ion	Ratio	Lower	Upper
41	100		
39	72.1	42.3	63.5#
67	86.8	54.8	82.2#
52	38.9	24.6	37.0#

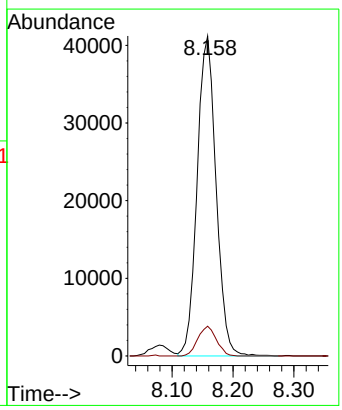


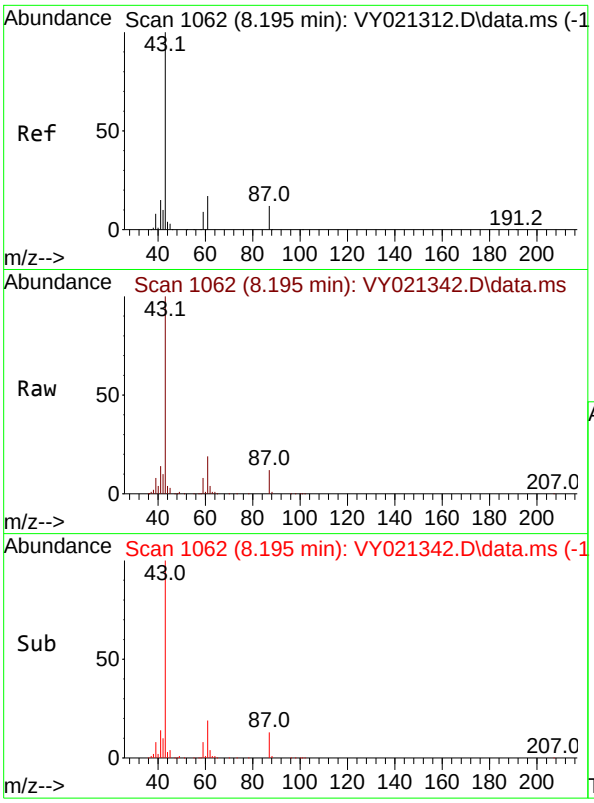


#42
1,2-Dichloroethane
Concen: 41.373 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 62 Resp: 88913

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



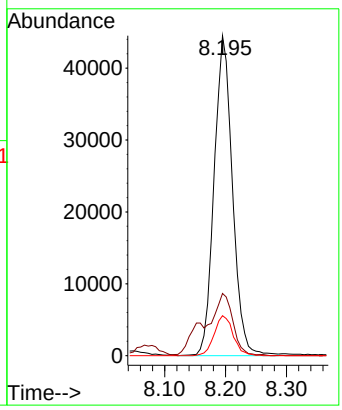


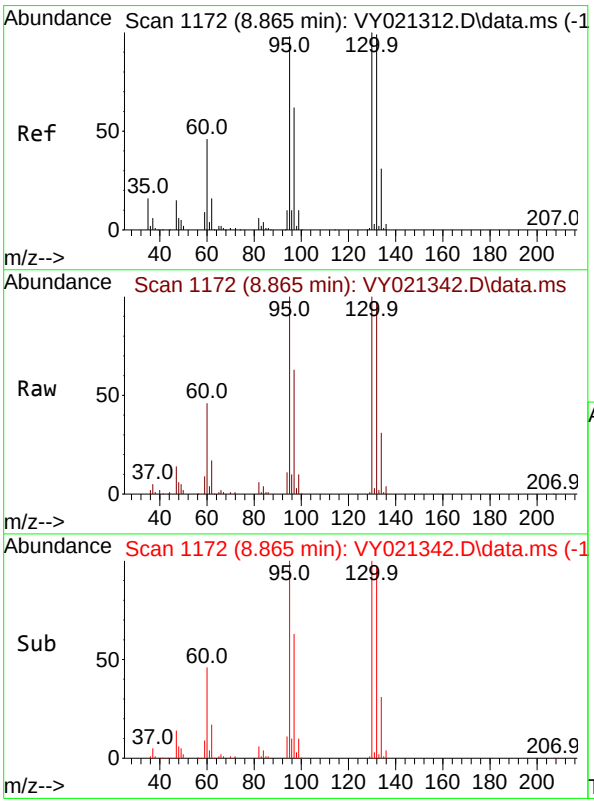
#43
Isopropyl Acetate
Concen: 37.845 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 43 Resp: 93368

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.0	22.6
87	12.9	10.0	15.0

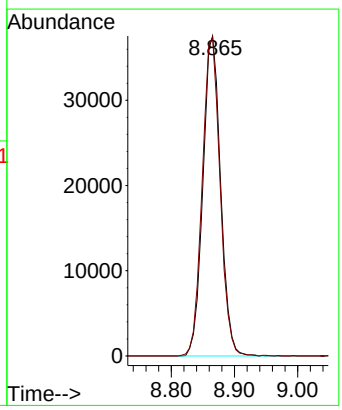


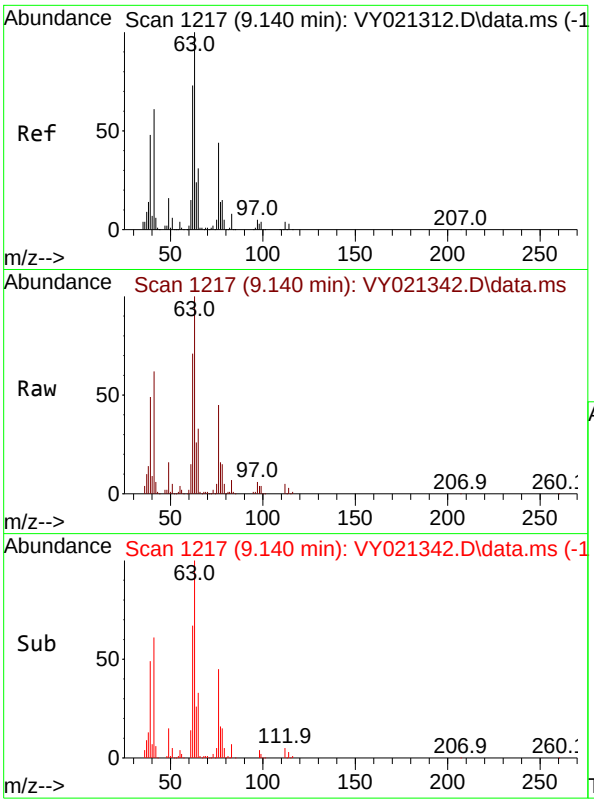


#44
Trichloroethene
Concen: 38.405 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:130 Resp: 72832

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	196.0



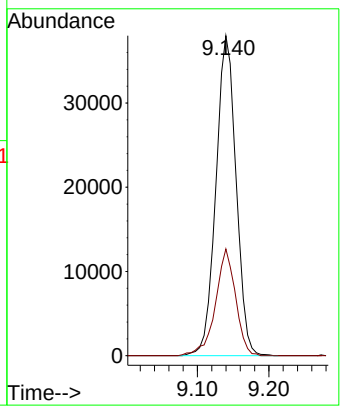


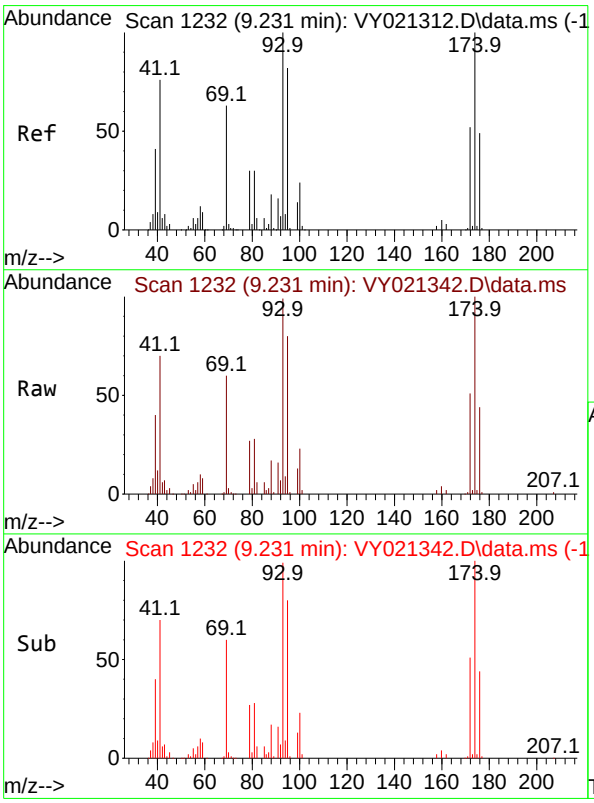
#45
1,2-Dichloropropane
Concen: 40.795 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 63 Resp: 74364

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	36.8

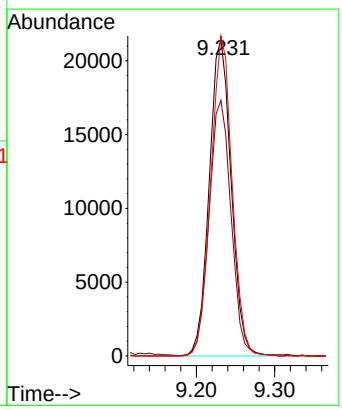


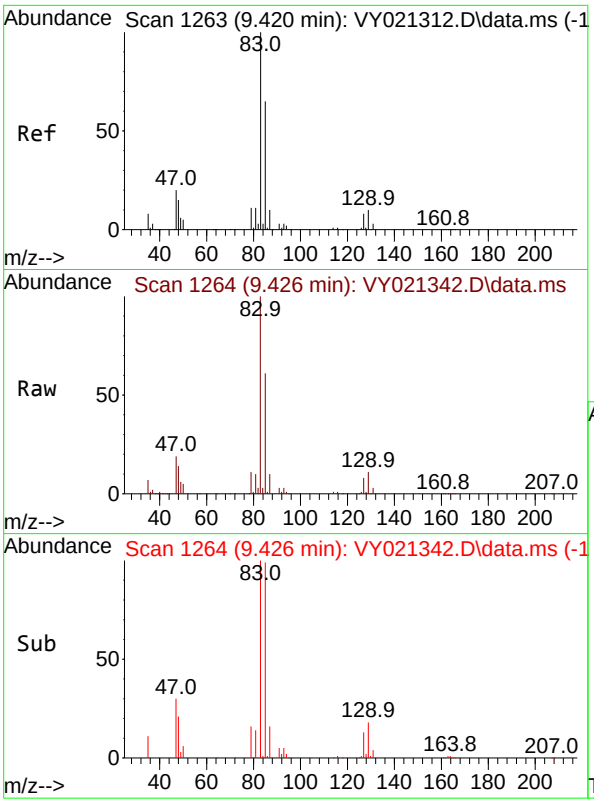


#46
Dibromomethane
Concen: 41.862 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 93 Resp: 41712

Ion	Ratio	Lower	Upper
93	100		
95	81.0	66.4	99.6
174	98.4	78.2	117.2



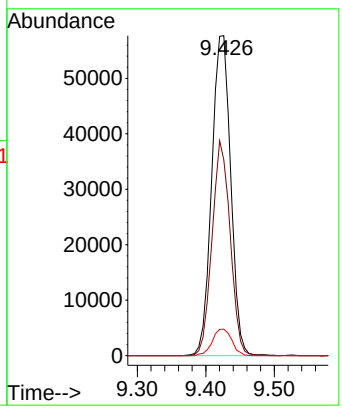


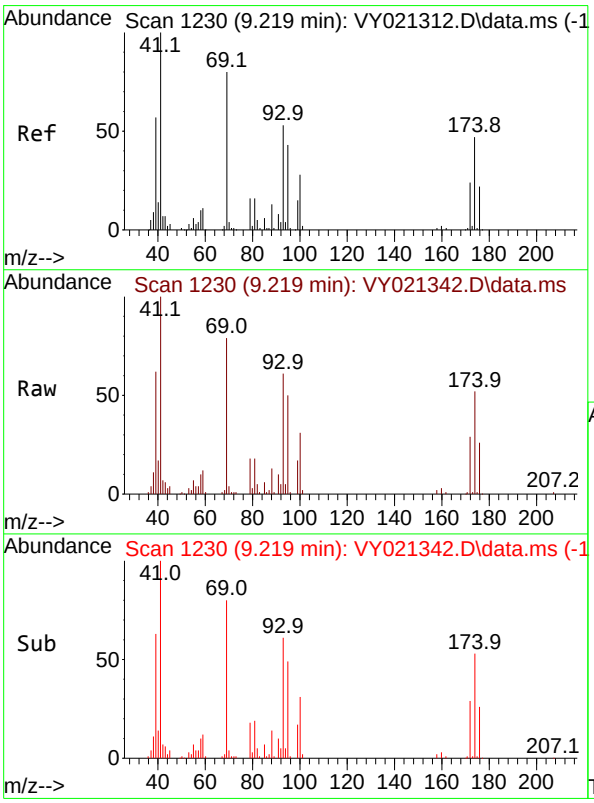
#47
Bromodichloromethane
Concen: 41.719 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 83 Resp: 110838

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.8	77.8
127	8.3	6.7	10.1

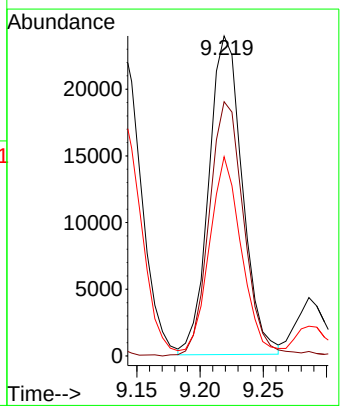


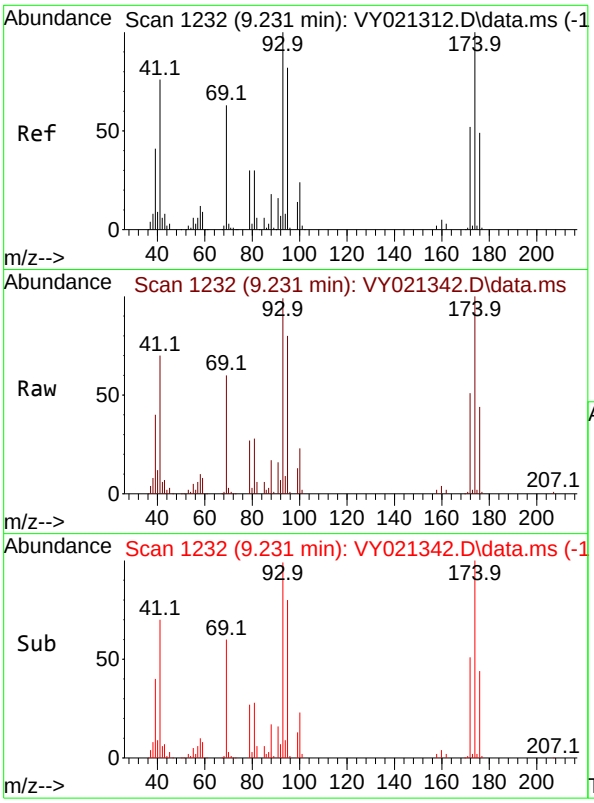


#48
Methyl methacrylate
Concen: 38.254 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 41 Resp: 44133

Ion	Ratio	Lower	Upper
41	100		
69	82.5	63.3	94.9
39	59.8	45.0	67.6



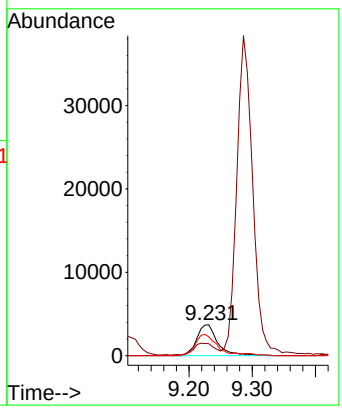


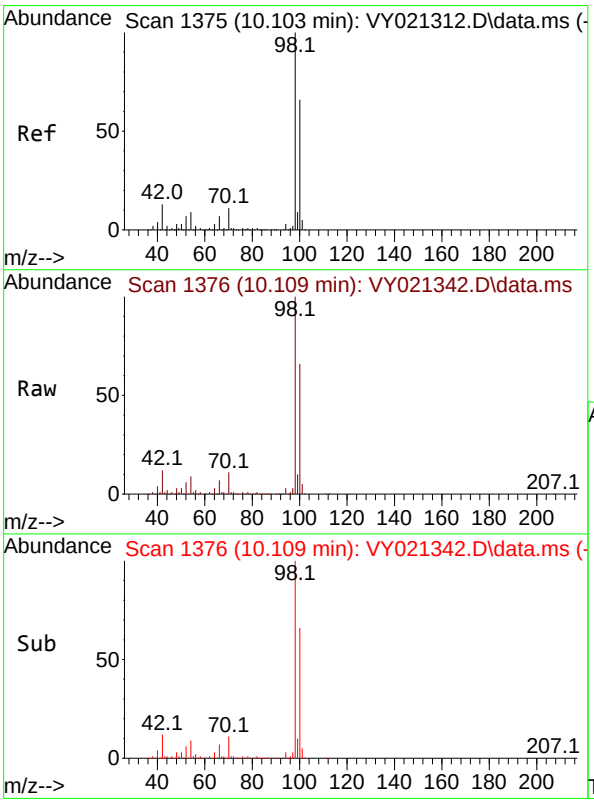
#49
1,4-Dioxane
Concen: 769.549 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 88 Resp: 8526

Ion	Ratio	Lower	Upper
88	100		
43	38.7	34.8	52.2
58	75.6	59.8	89.6

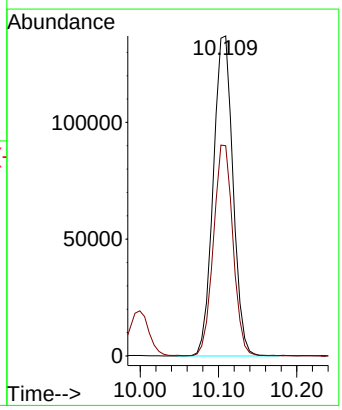


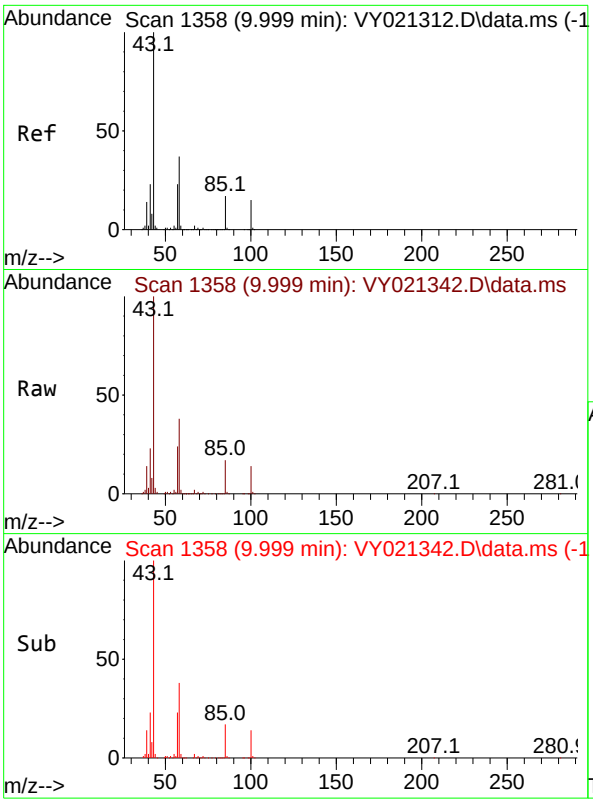


#50
Toluene-d8
Concen: 36.433 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 98 Resp: 240193

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6



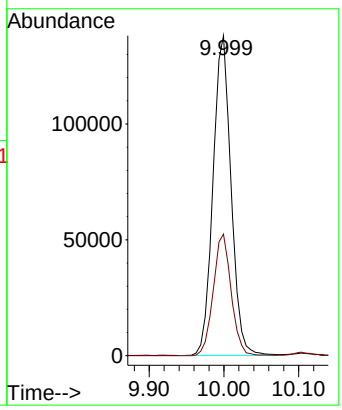


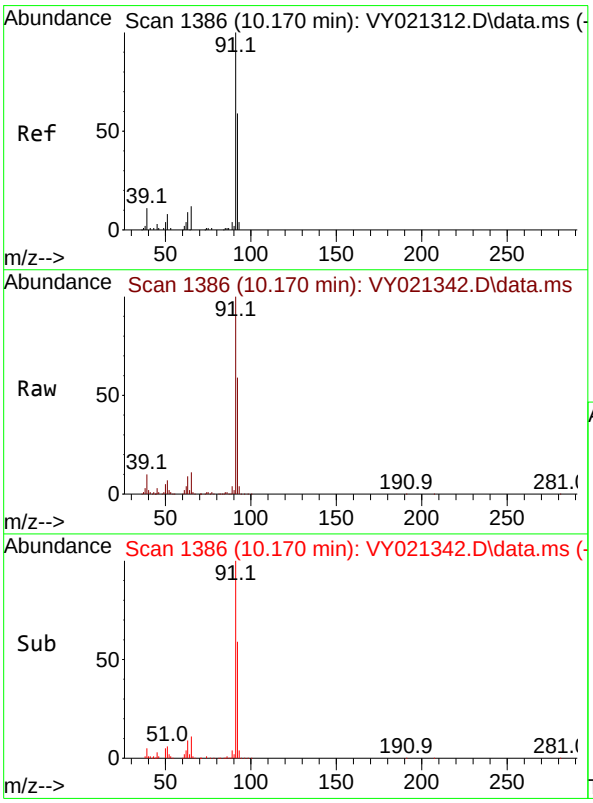
#51
4-Methyl-2-Pentanone
Concen: 183.451 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 43 Resp: 231679

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1

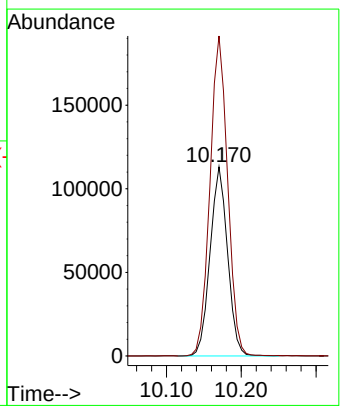


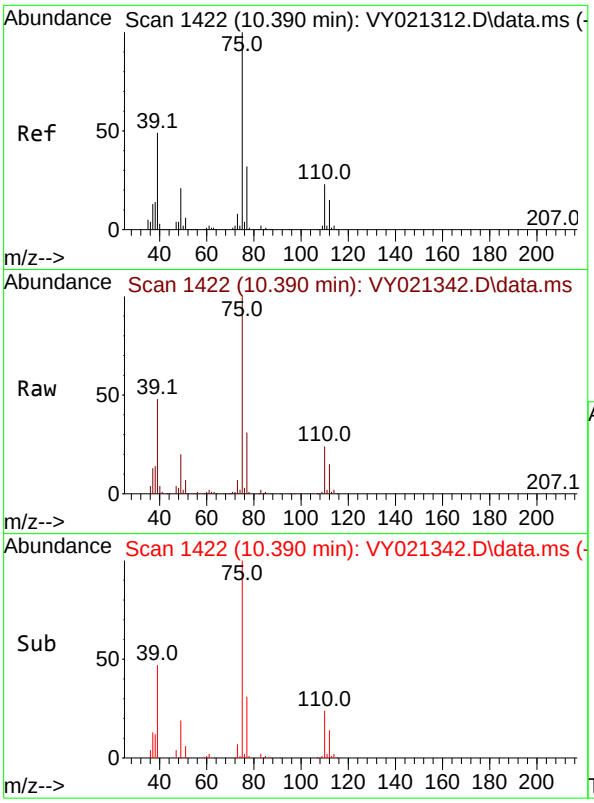


#52
Toluene
Concen: 39.024 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 92 Resp: 183630

Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.8	206.8



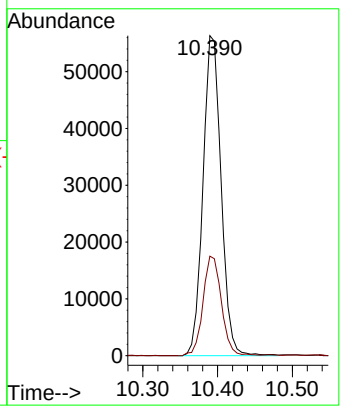


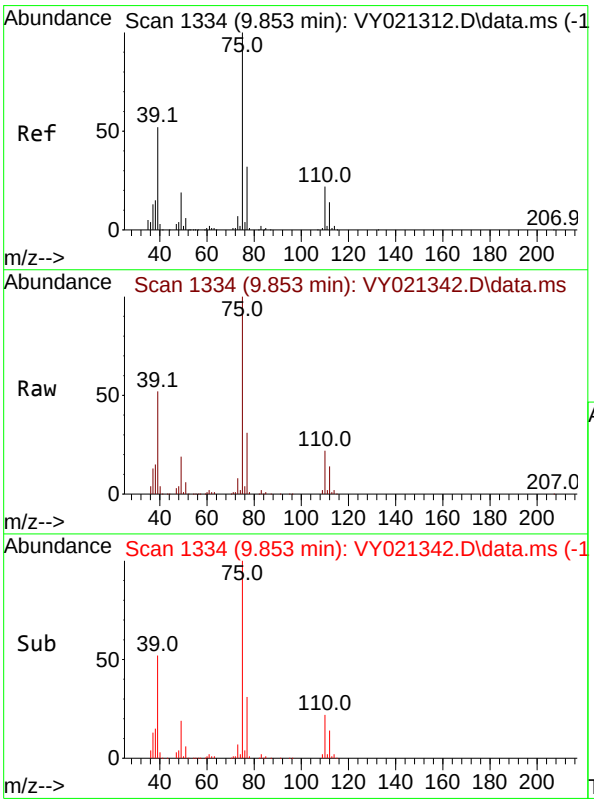
#53
t-1,3-Dichloropropene
Concen: 38.946 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 75 Resp: 94800

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9

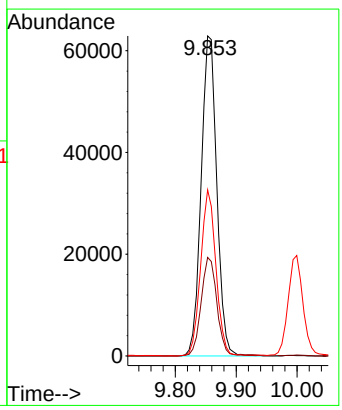


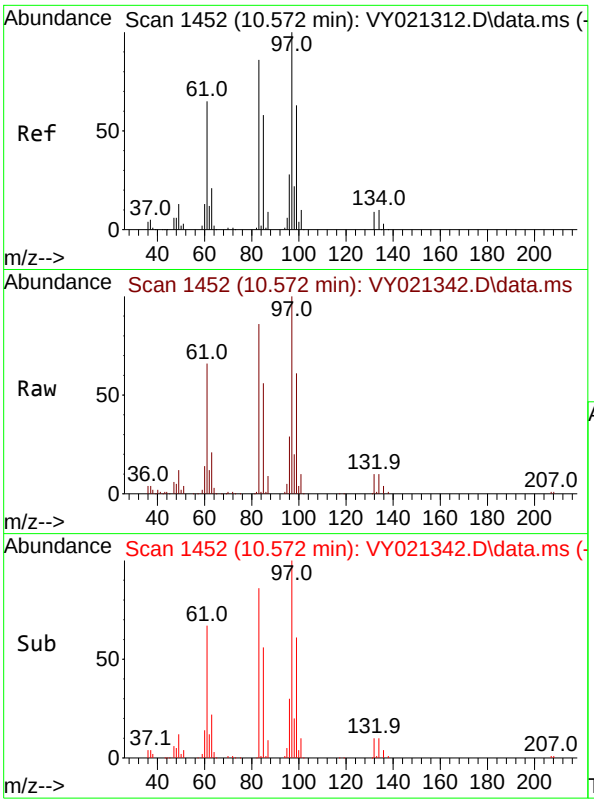


#54
cis-1,3-Dichloropropene
Concen: 39.037 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 112176

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.7	38.5
39	51.9	41.8	62.6



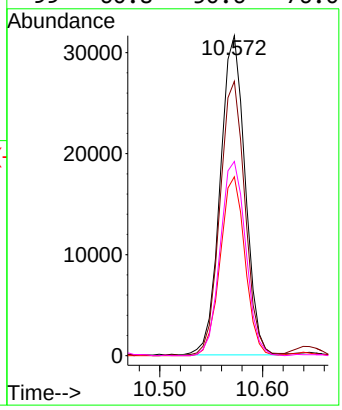


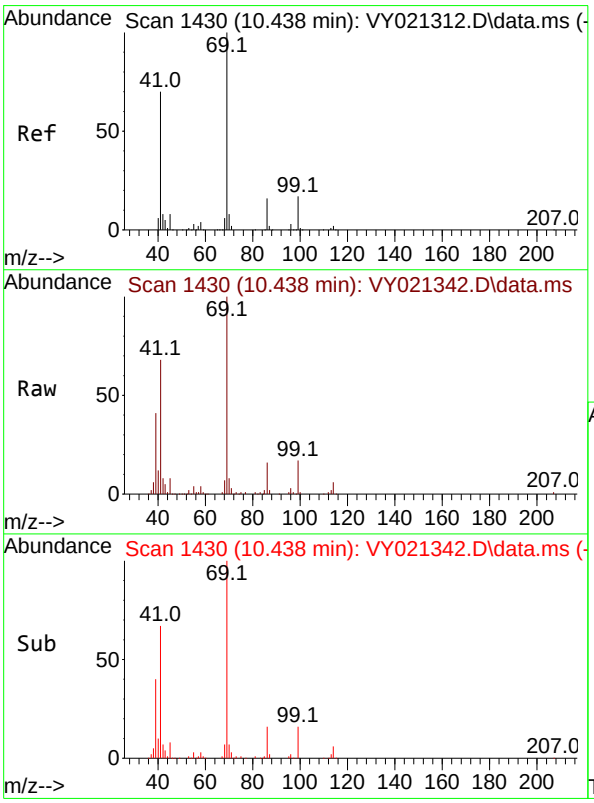
#55
1,1,2-Trichloroethane
Concen: 40.878 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 97 Resp: 53062

Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.7	103.1
85	56.1	46.3	69.5
99	60.8	50.6	76.0

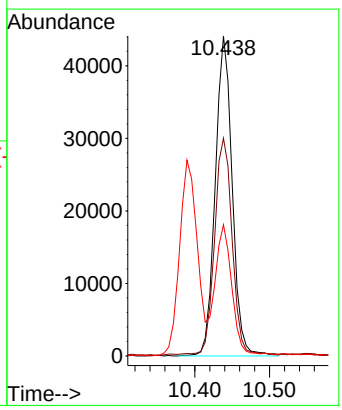


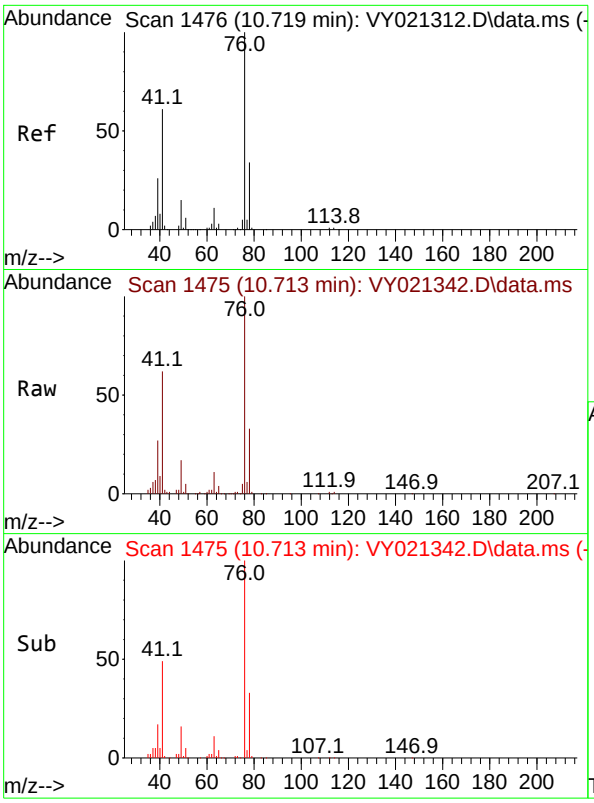


#56
Ethyl methacrylate
Concen: 38.906 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 69 Resp: 69781

Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.2	84.4
39	40.8	32.7	49.1



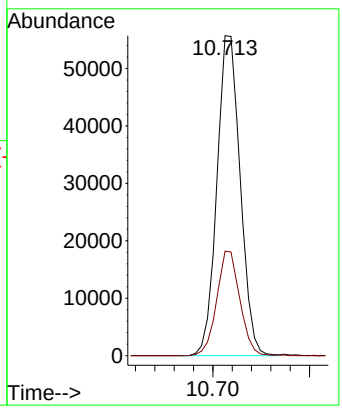


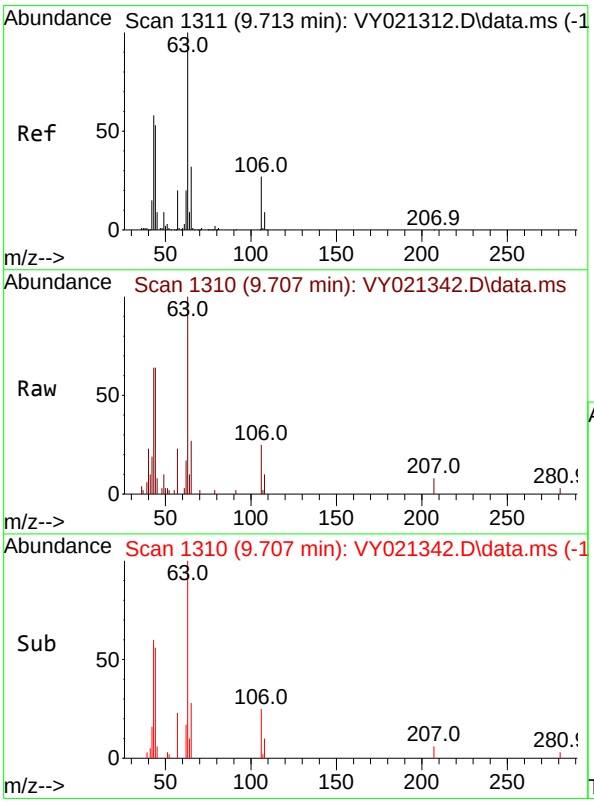
#57
1,3-Dichloropropane
Concen: 40.874 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 76 Resp: 93102

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

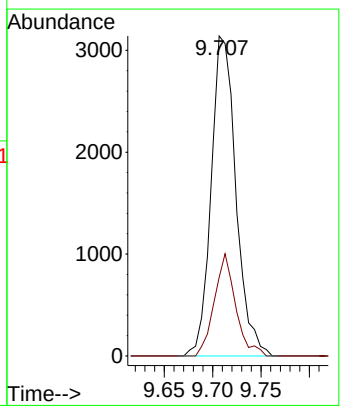


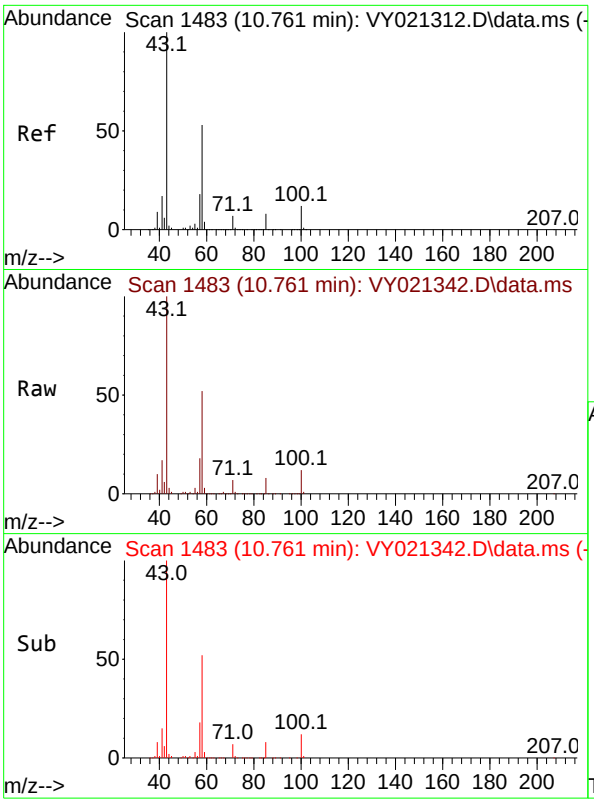


#58
2-Chloroethyl Vinyl ether
Concen: 6.496 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 63 Resp: 5592

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.7	32.5



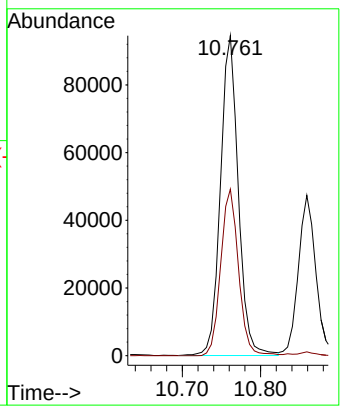


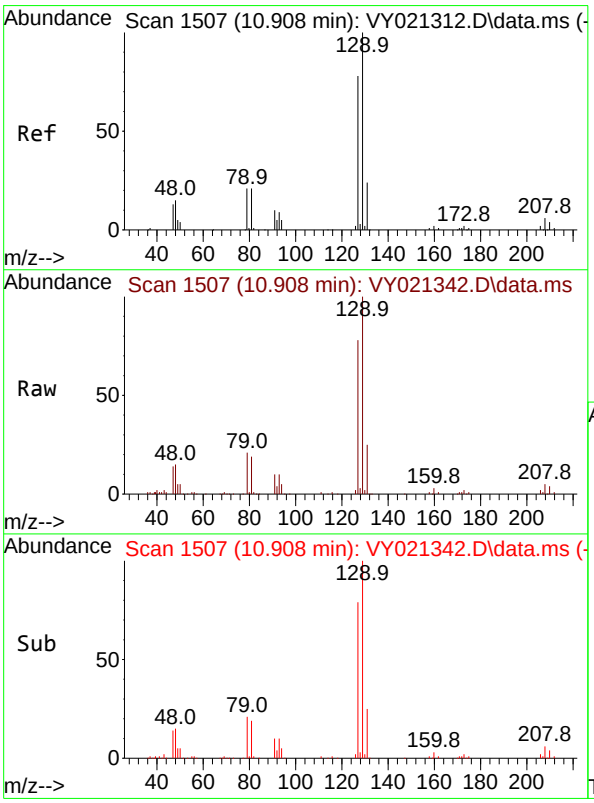
#59
2-Hexanone
Concen: 180.470 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 43 Resp: 149683

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6

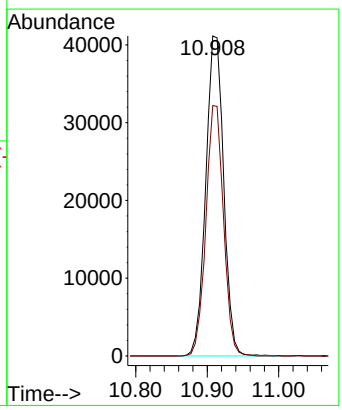


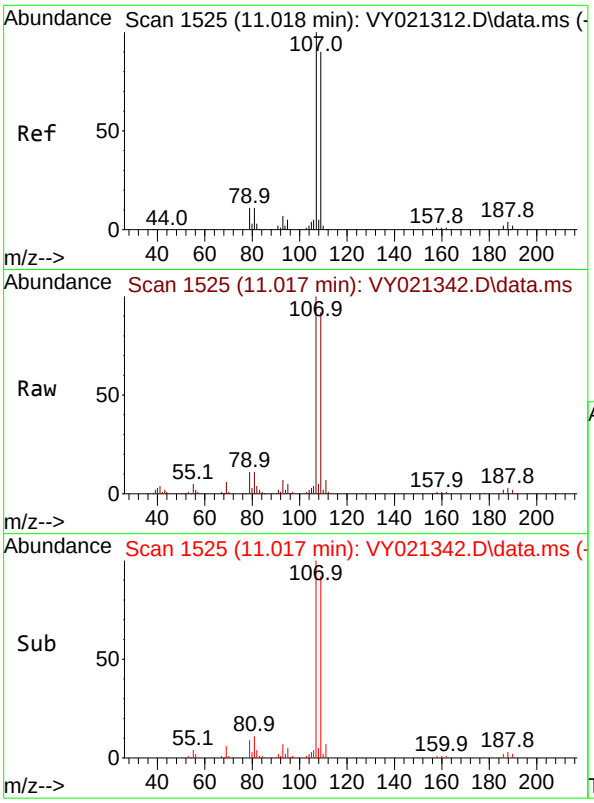


#60
Dibromochloromethane
Concen: 40.400 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:129 Resp: 71421

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.4



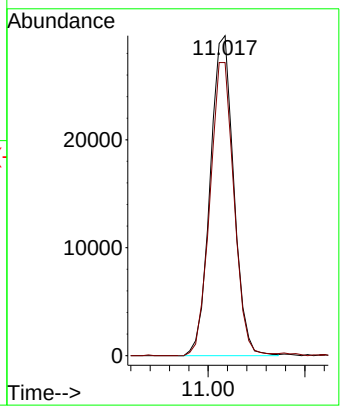


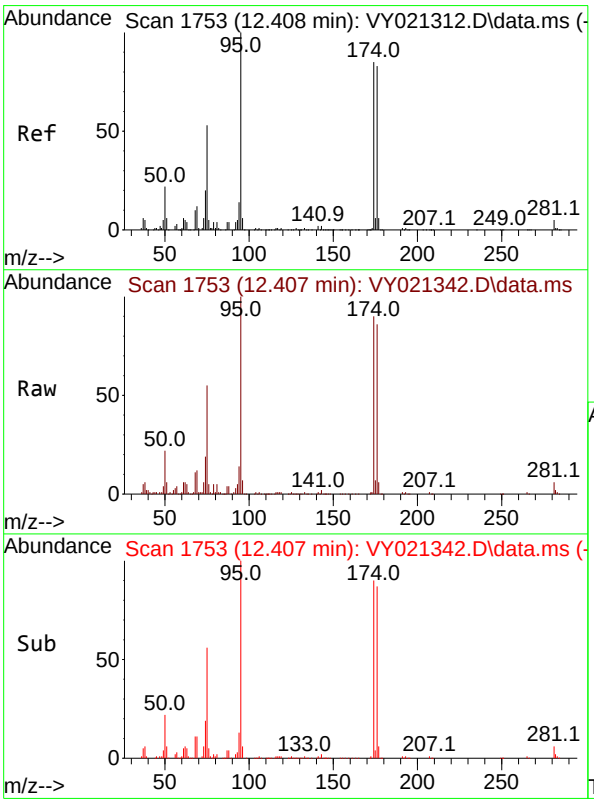
#61
1,2-Dibromoethane
Concen: 40.819 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:107 Resp: 50162

Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.8	110.8

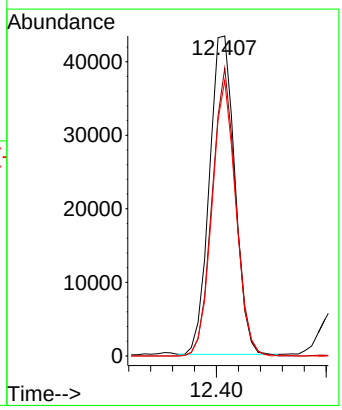


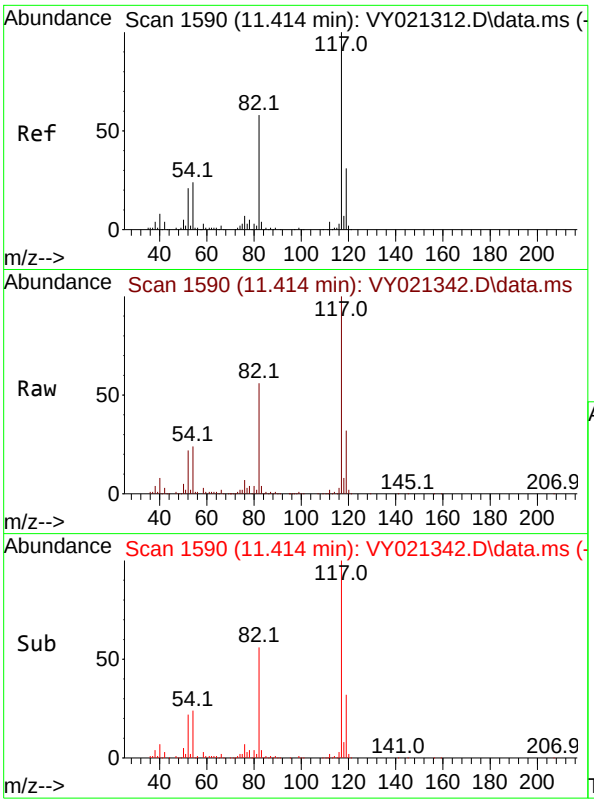


#62
4-Bromofluorobenzene
Concen: 31.436 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 95 Resp: 69748

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	168.0
176	80.7	0.0	162.6



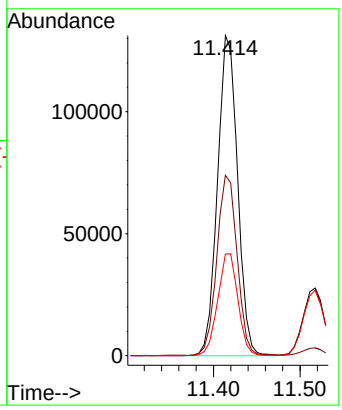


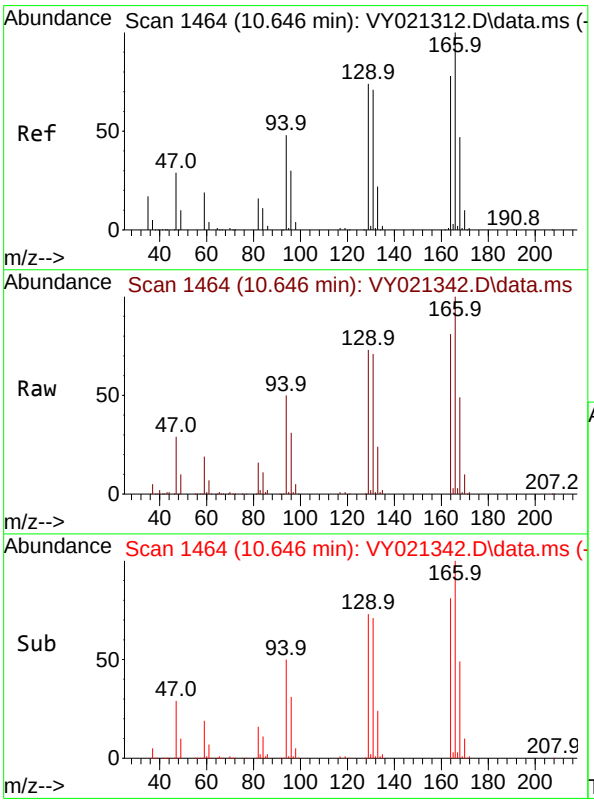
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:117 Resp: 210847

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.2	69.4
119	31.8	24.9	37.3

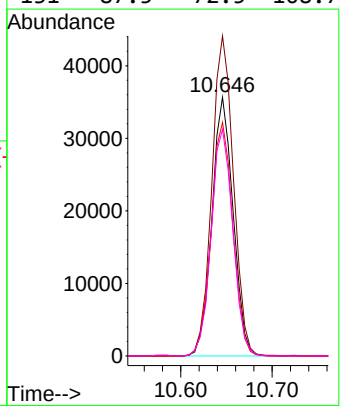


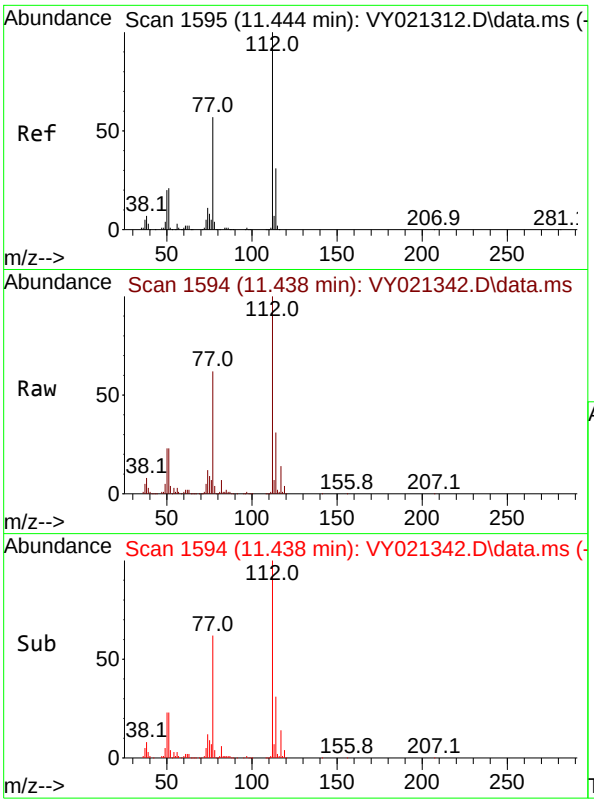


#64
Tetrachloroethene
Concen: 36.059 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:164 Resp: 57467

Ion	Ratio	Lower	Upper
164	100		
166	123.7	101.9	152.9
129	90.3	75.5	113.3
131	87.5	72.5	108.7



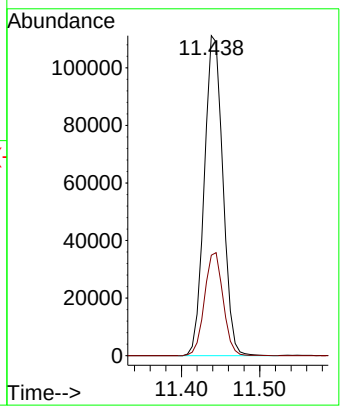


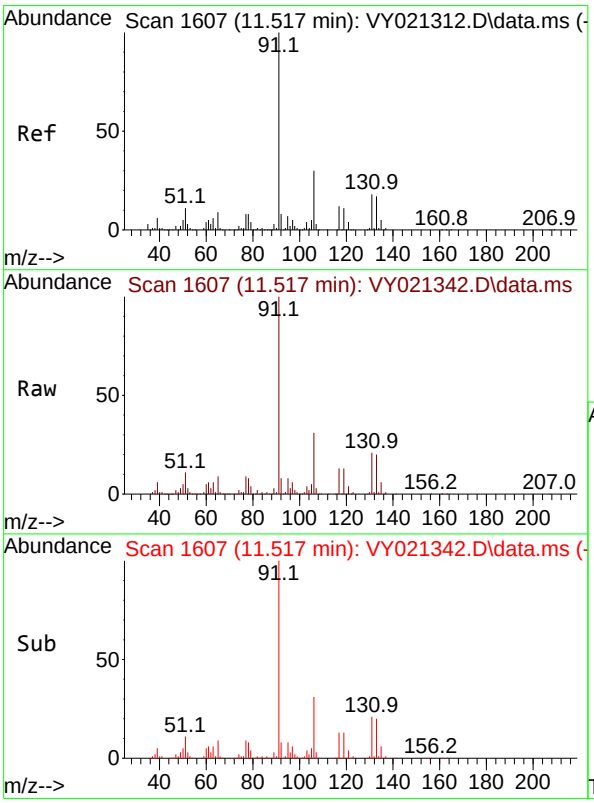
#65
Chlorobenzene
Concen: 38.632 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:112 Resp: 182843

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6

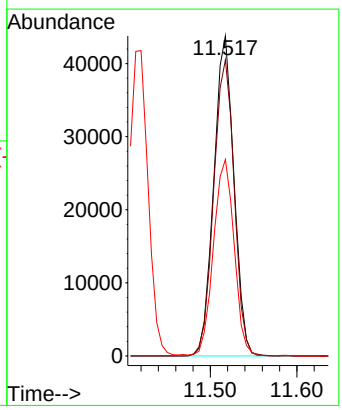


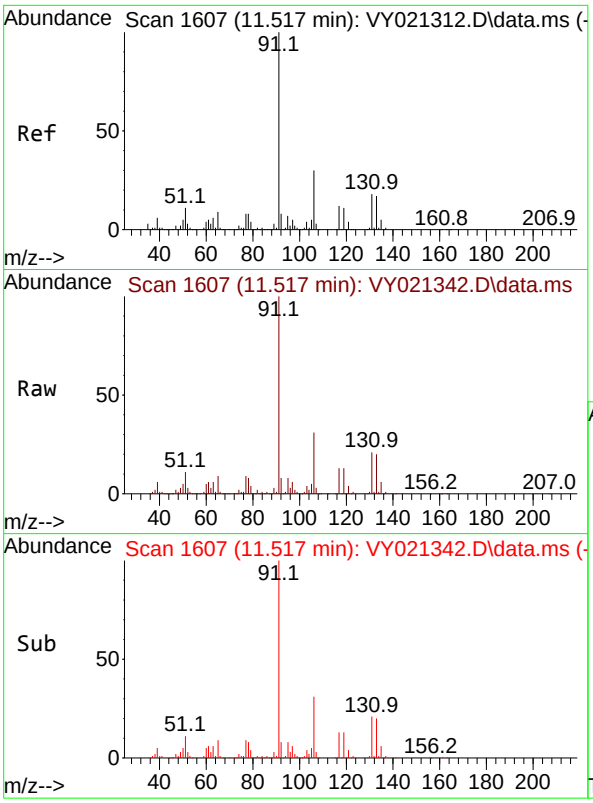


#66
1,1,1,2-Tetrachloroethane
Concen: 42.677 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:131 Resp: 70727

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.6
119	62.8	31.7	95.1



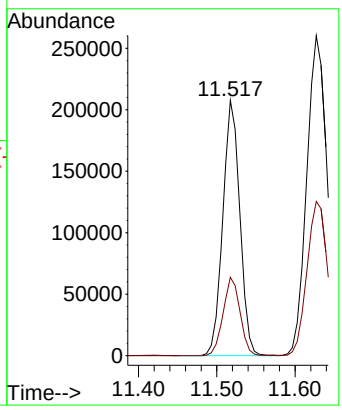


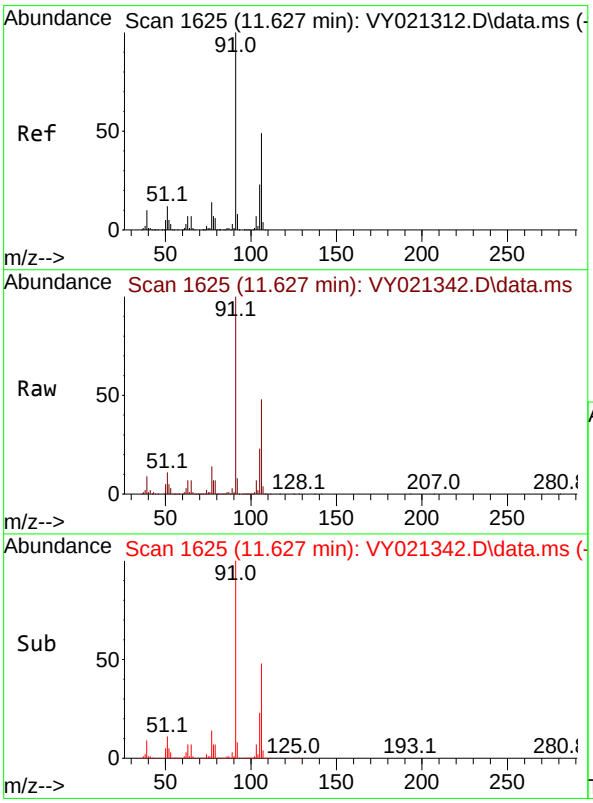
#67
Ethyl Benzene
Concen: 37.529 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 91 Resp: 314620

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.4	36.6

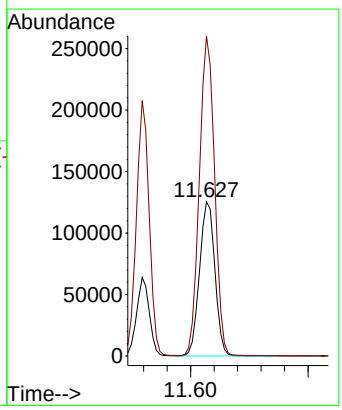


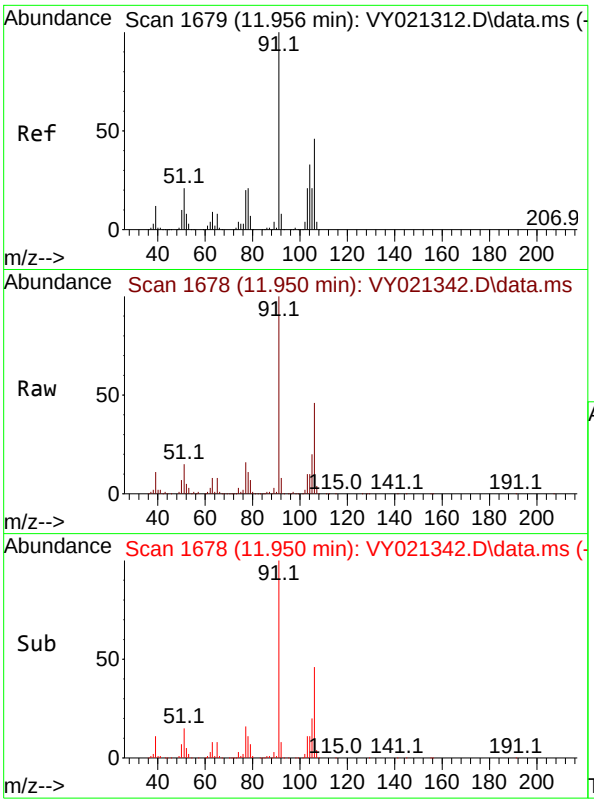


#68
m/p-Xylenes
Concen: 72.376 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:106 Resp: 228225

Ion	Ratio	Lower	Upper
106	100		
91	205.4	163.9	245.9



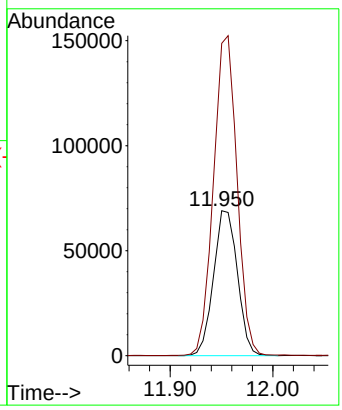


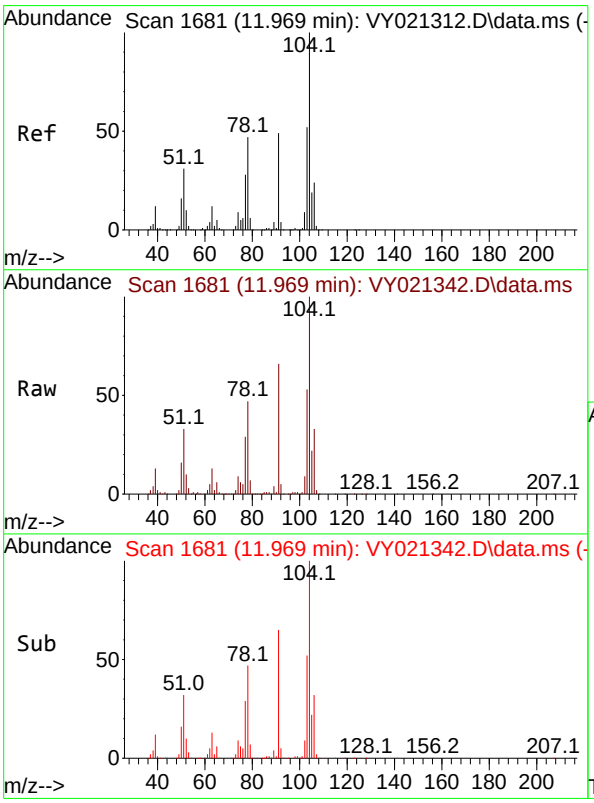
#69
o-Xylene
Concen: 37.699 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:106 Resp: 111364

Ion	Ratio	Lower	Upper
106	100		
91	217.4	108.1	324.2

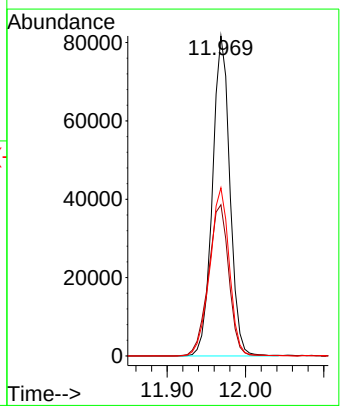


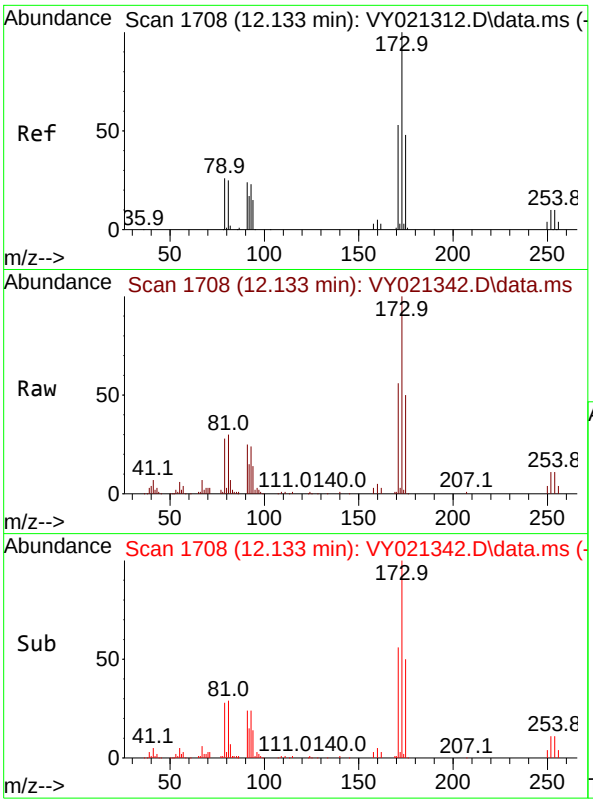


#70
Styrene
Concen: 25.722 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:104 Resp: 126425

Ion	Ratio	Lower	Upper
104	100		
78	55.5	41.3	61.9
103	58.8	43.9	65.9



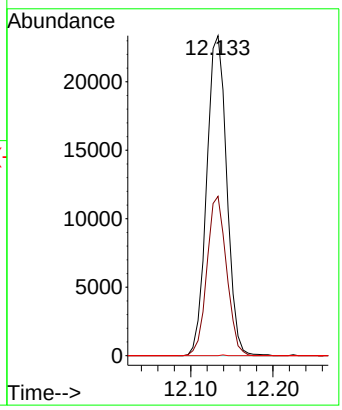


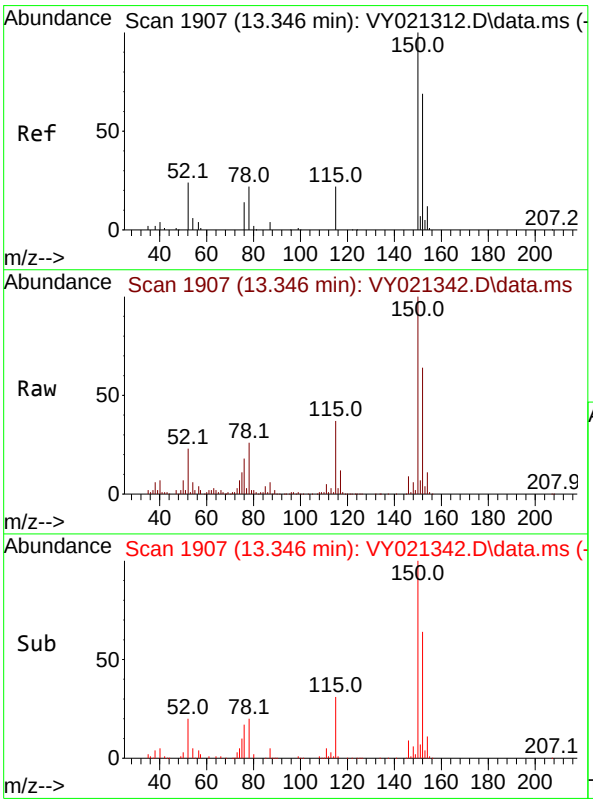
#71
Bromoform
Concen: 41.654 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:173 Resp: 39491

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1#

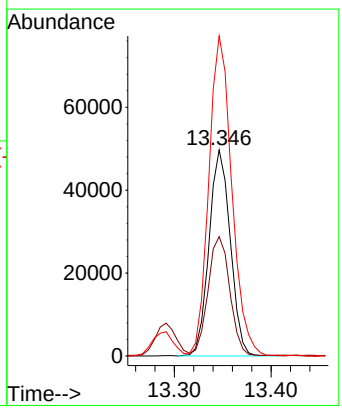


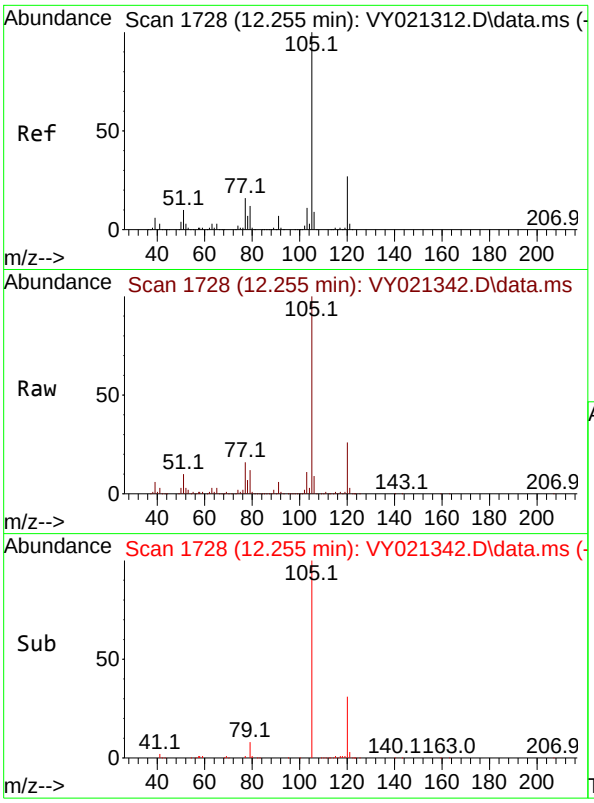


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:152 Resp: 76053

Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.3	88.0
150	168.4	0.0	347.4



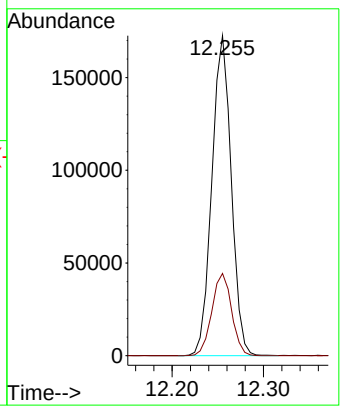


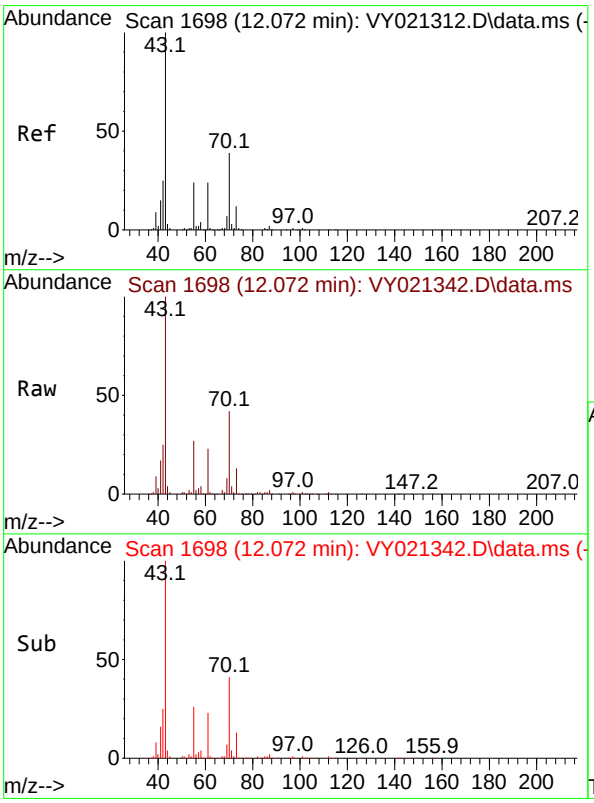
#73
Isopropylbenzene
Concen: 44.384 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:105 Resp: 253772

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8

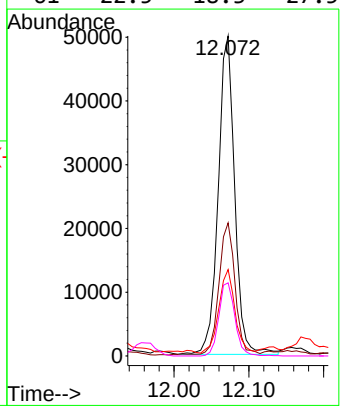


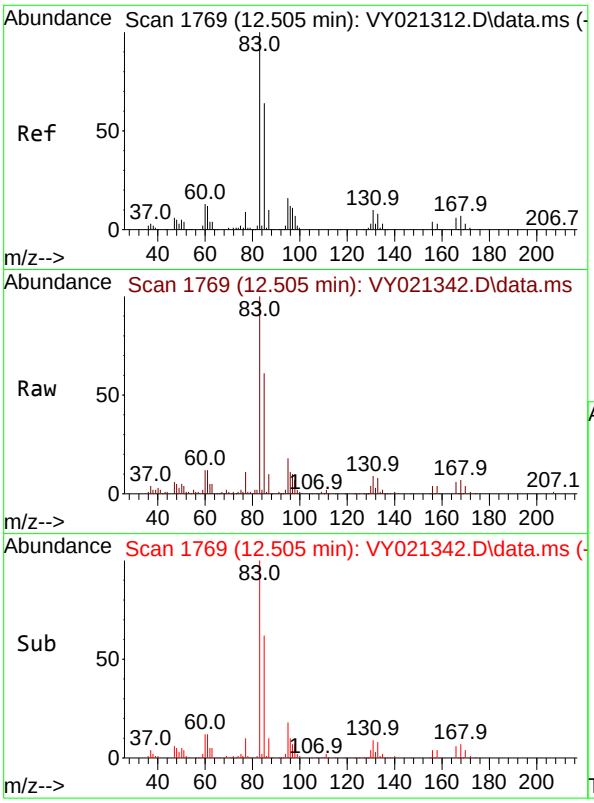


#74
N-amyl acetate
Concen: 52.878 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 43 Resp: 76847

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	25.6	19.6	29.4
61	22.5	18.3	27.5



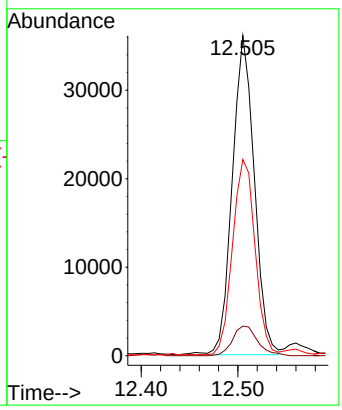


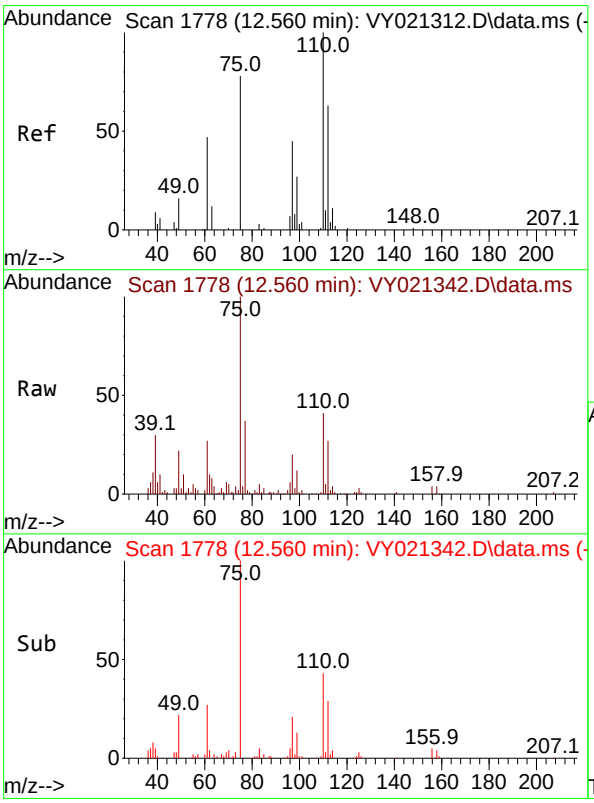
#75
1,1,2,2-Tetrachloroethane
Concen: 56.521 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 83 Resp: 57034

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	62.5	32.0	96.0

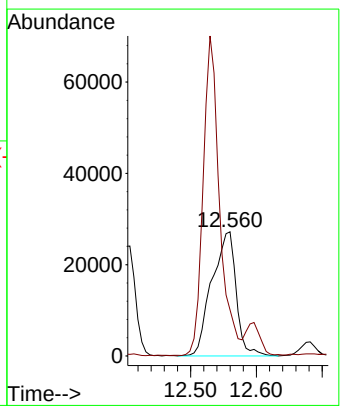


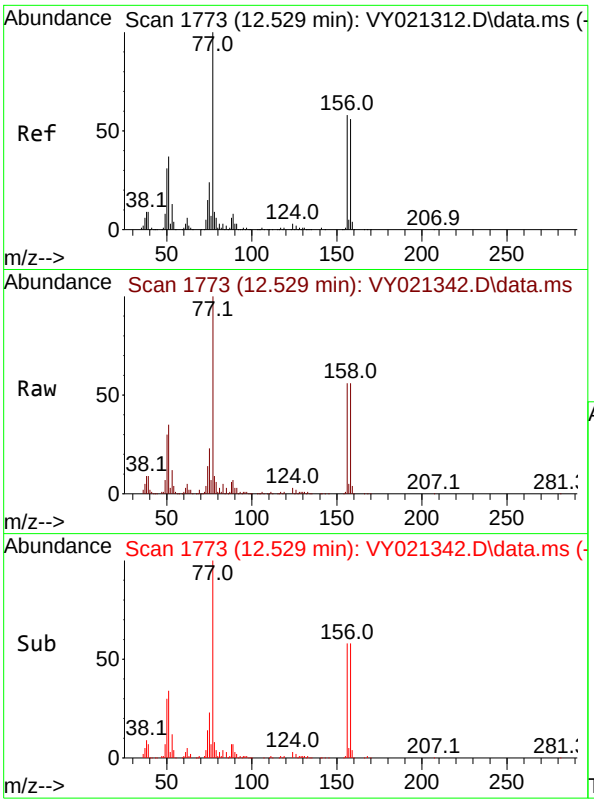


#76
1,2,3-Trichloropropane
Concen: 92.085 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 70100

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



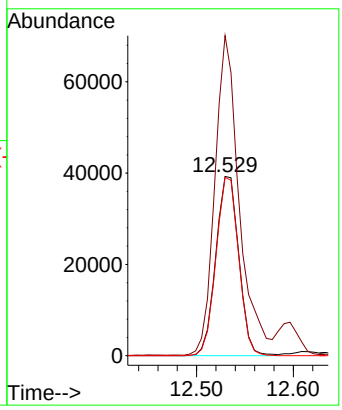


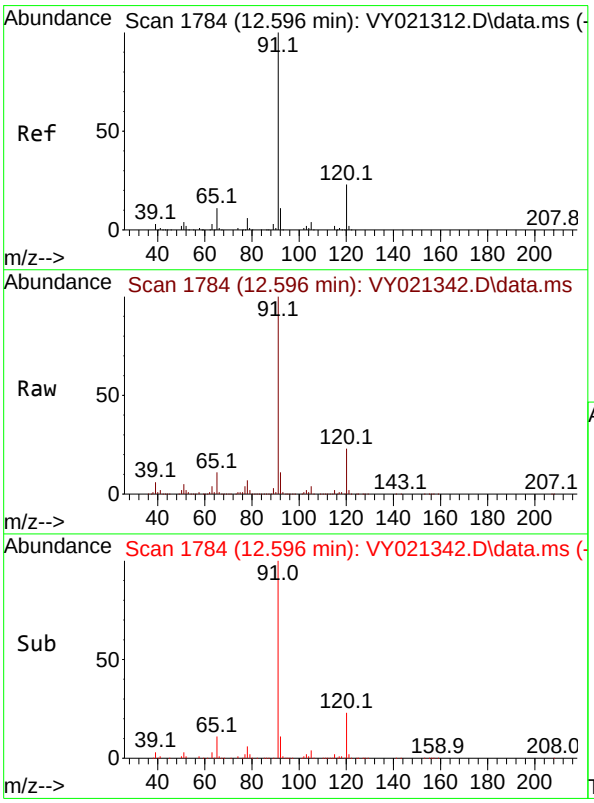
#77
Bromobenzene
Concen: 49.018 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:156 Resp: 65189

Ion	Ratio	Lower	Upper
156	100		
77	188.0	94.0	282.1
158	97.3	48.7	146.1

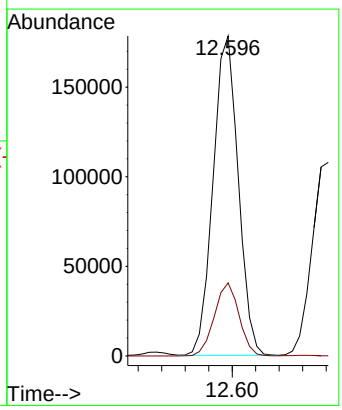


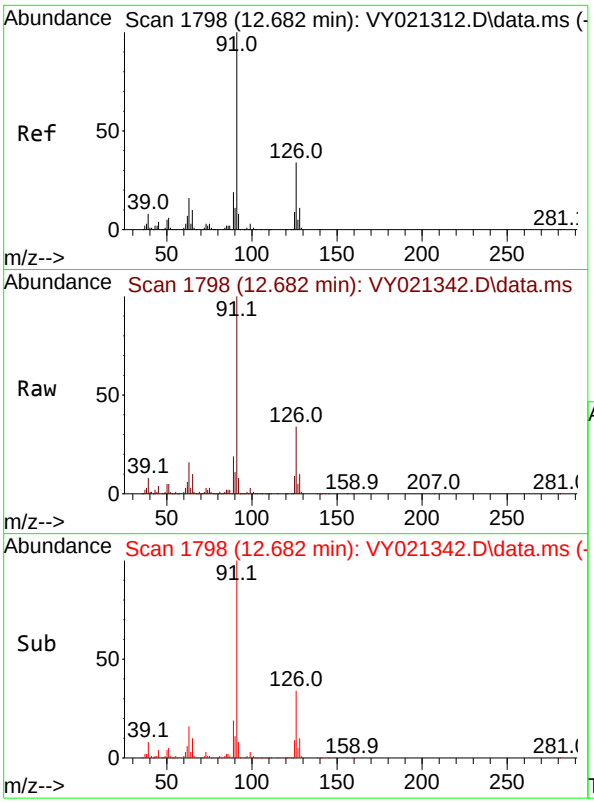


#78
n-propylbenzene
Concen: 38.144 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 91 Resp: 264648

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5



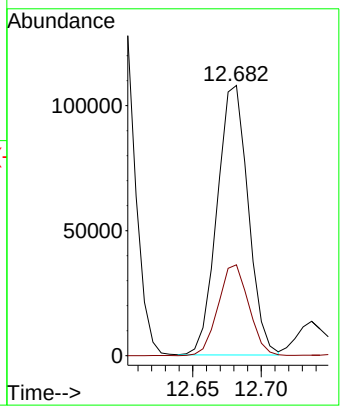


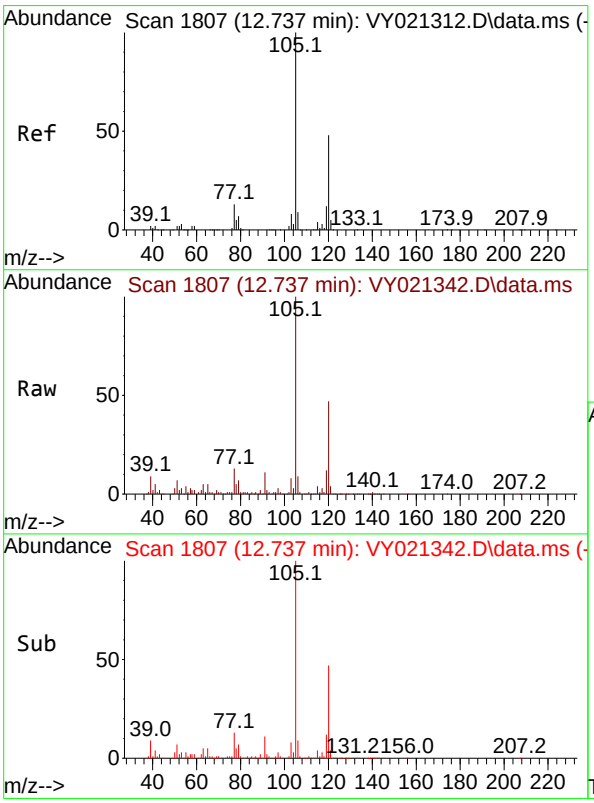
#79
2-Chlorotoluene
Concen: 42.735 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 91 Resp: 170166

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.9	50.6

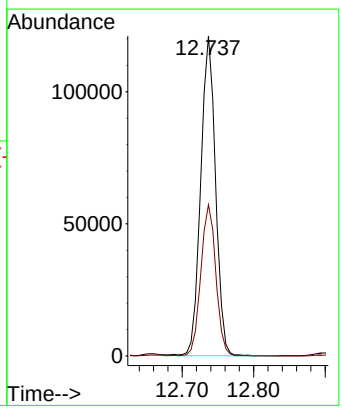


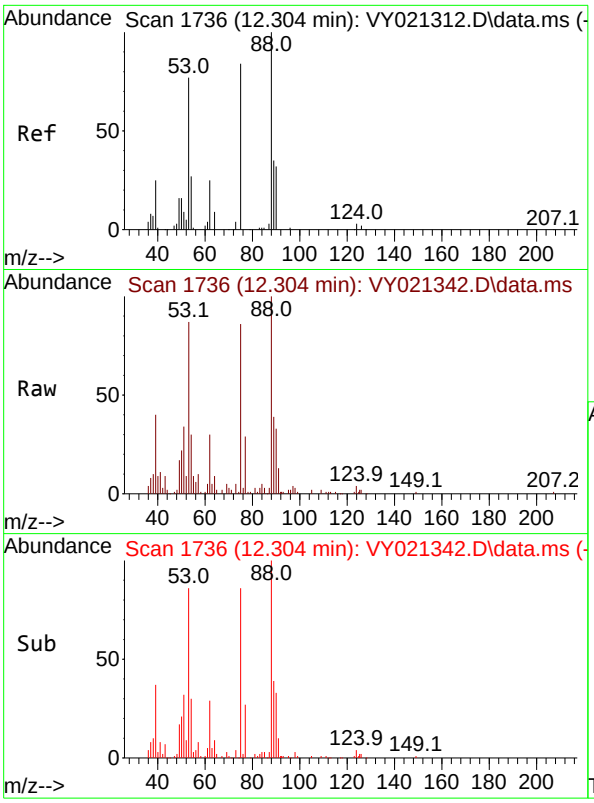


#80
1,3,5-Trimethylbenzene
Concen: 37.106 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:105 Resp: 174002

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	73.0



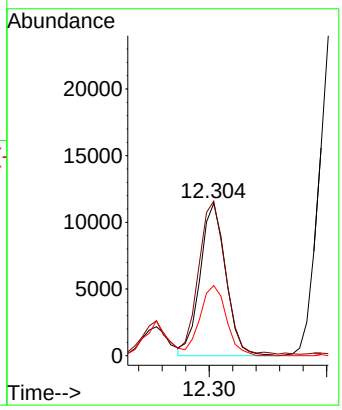


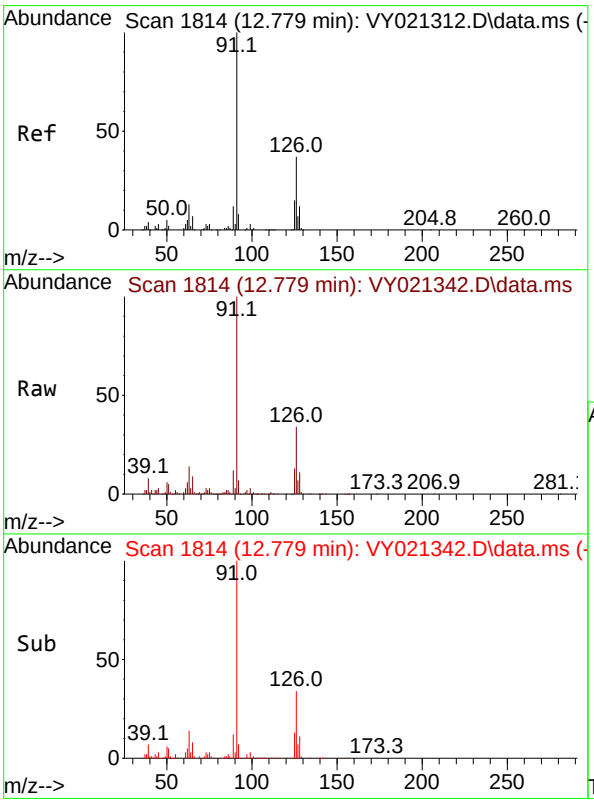
#81
trans-1,4-Dichloro-2-butene
Concen: 50.649 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 75 Resp: 17347

Ion	Ratio	Lower	Upper
75	100		
53	104.0	79.1	118.7
89	46.8	35.6	53.4

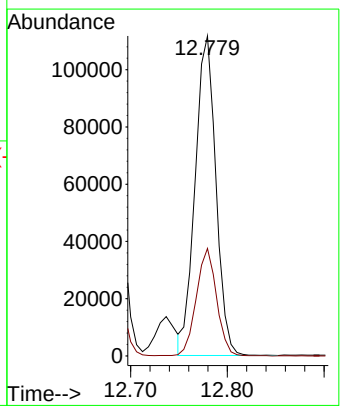


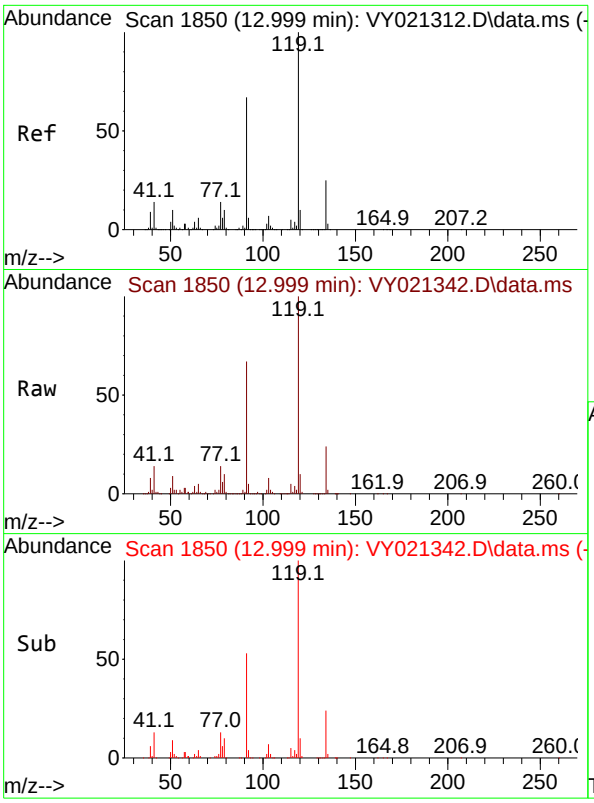


#82
4-Chlorotoluene
Concen: 40.414 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 91 Resp: 166815

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.8	50.4



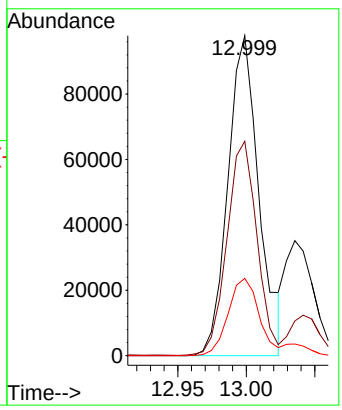


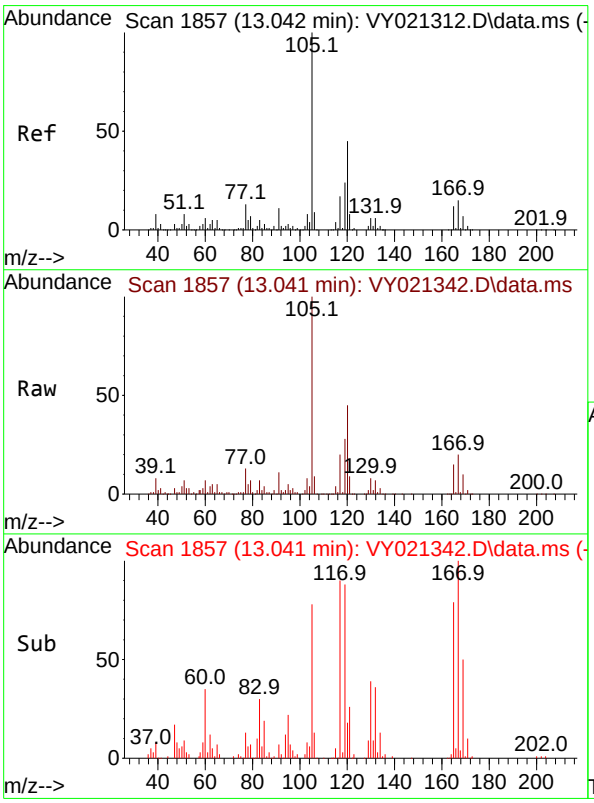
#83
tert-Butylbenzene
Concen: 36.395 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:119 Resp: 154167

Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.7	98.1
134	24.0	13.3	39.9

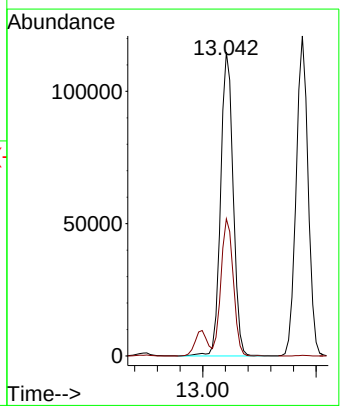


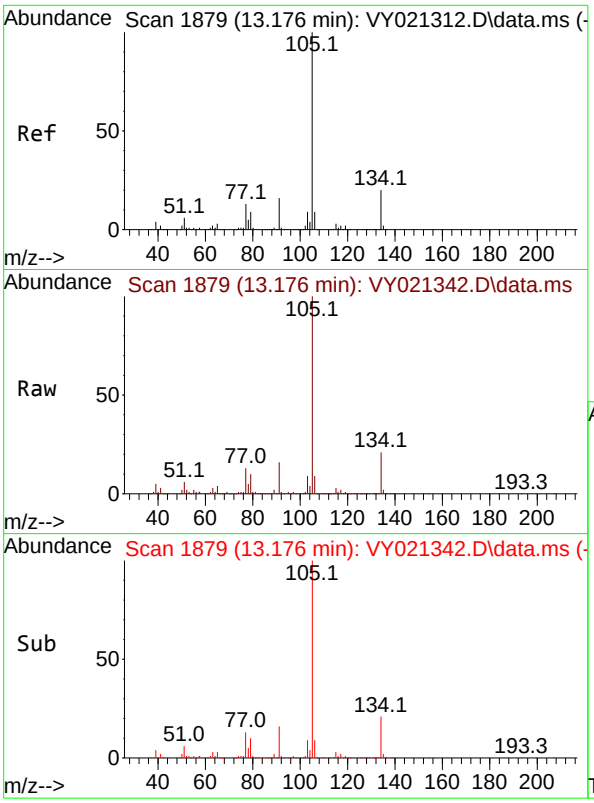


#84
1,2,4-Trimethylbenzene
Concen: 37.797 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:105 Resp: 176279

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3



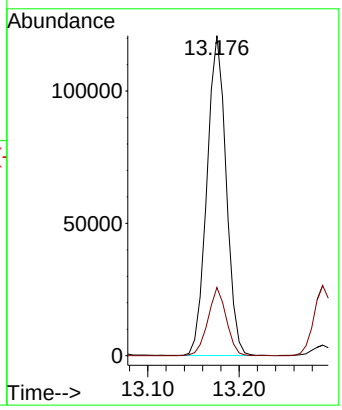


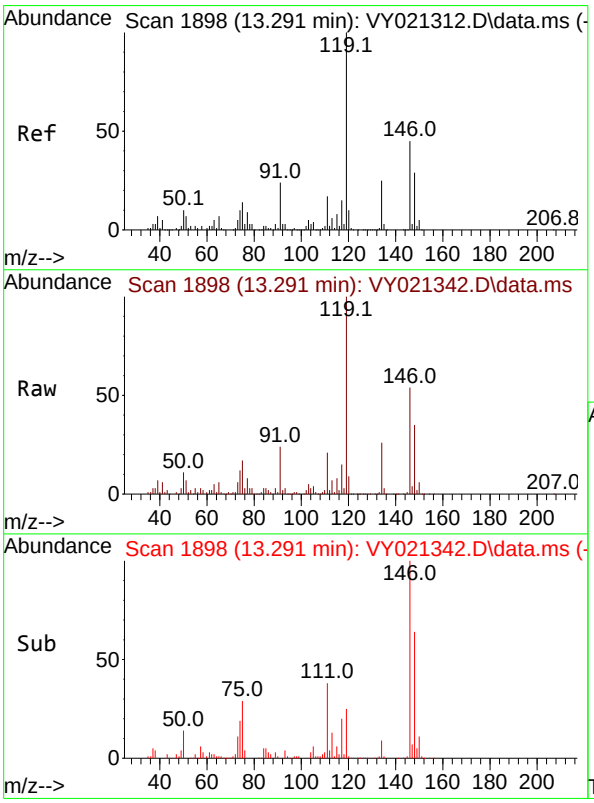
#85
sec-Butylbenzene
Concen: 28.477 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:105 Resp: 176198

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

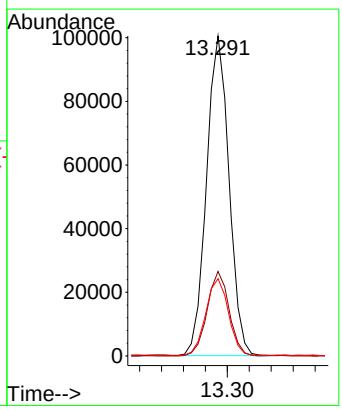


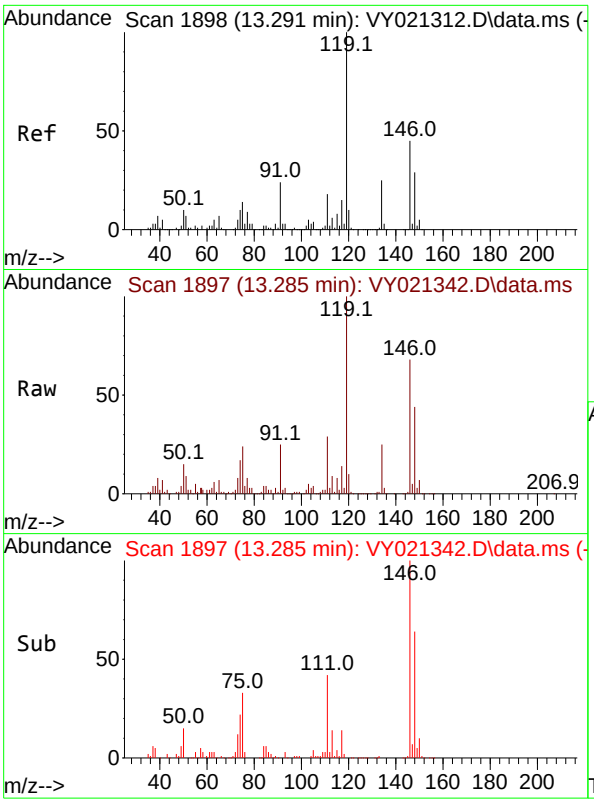


#86
p-Isopropyltoluene
Concen: 27.756 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:119 Resp: 143404

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.1	12.0	36.1



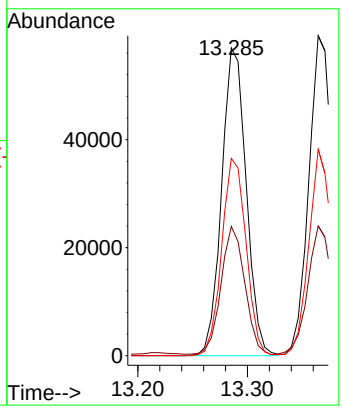


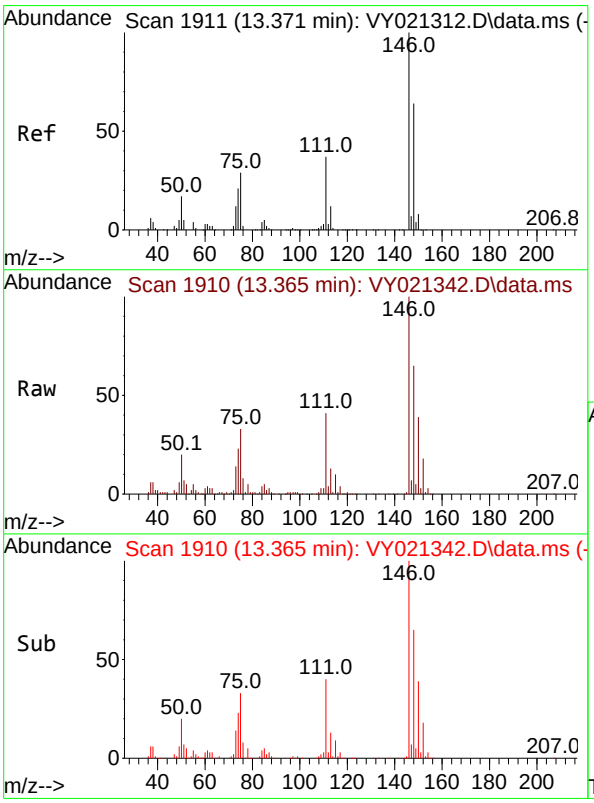
#87
1,3-Dichlorobenzene
Concen: 33.704 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:146 Resp: 88665

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.6	31.9	95.9

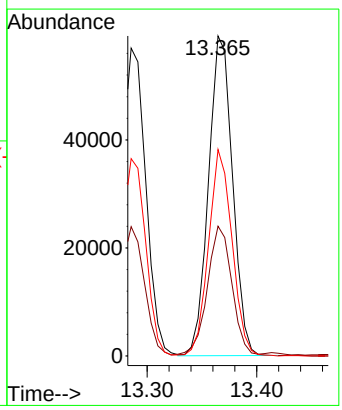


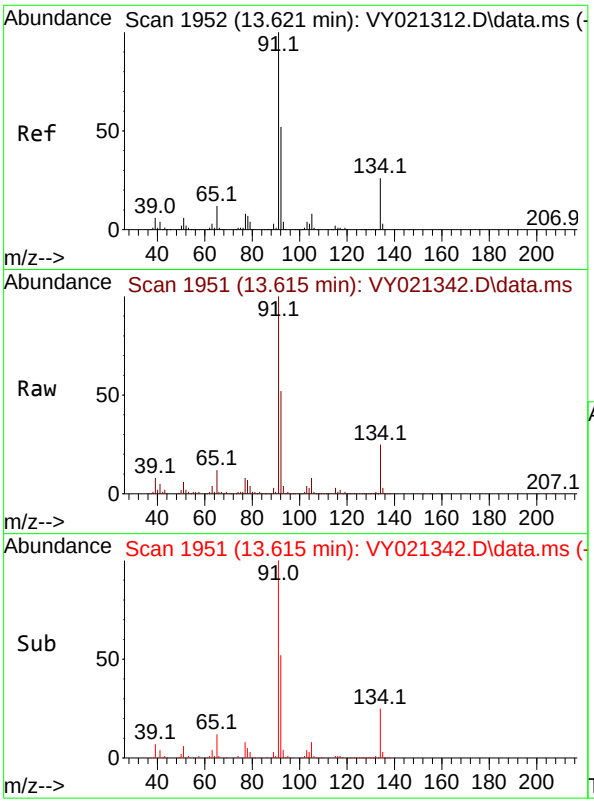


#88
1,4-Dichlorobenzene
Concen: 34.721 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:146 Resp: 90233

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.5	58.5
148	63.2	32.0	96.2



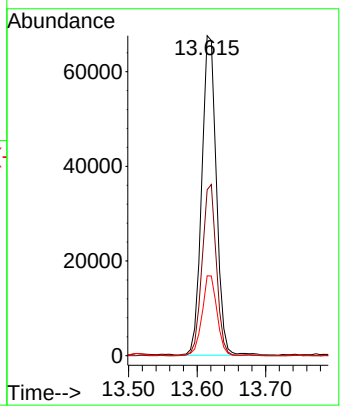


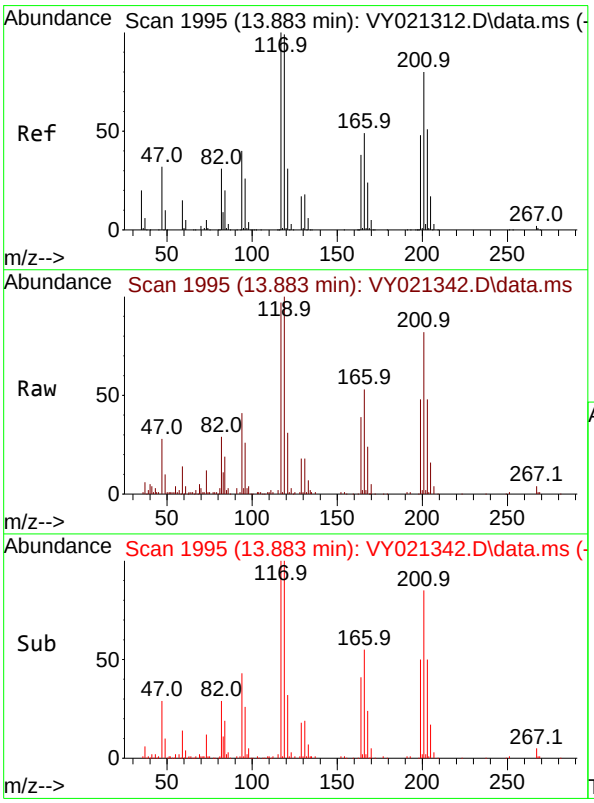
#89
n-Butylbenzene
Concen: 20.665 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion: 91 Resp: 100472

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.5	12.7	38.0

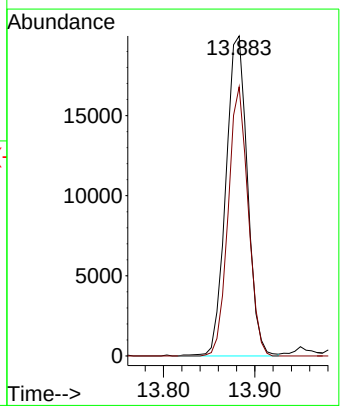


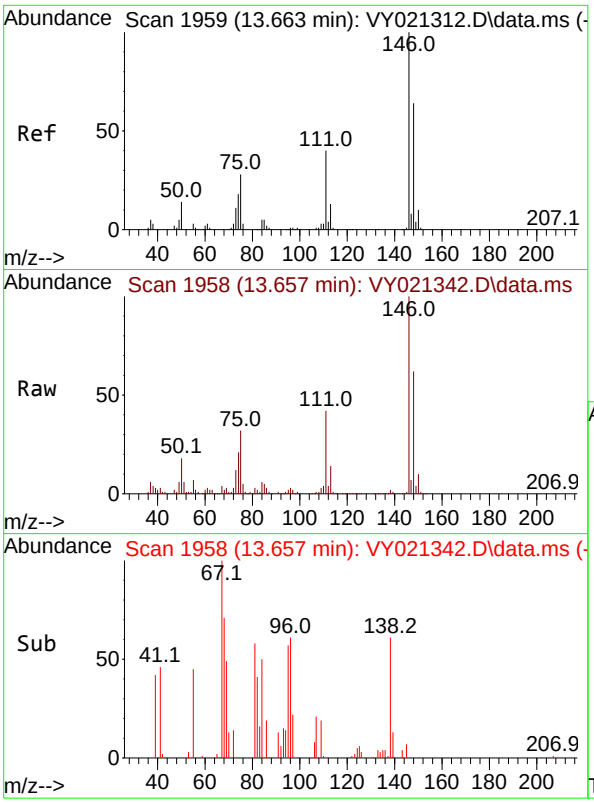


#90
Hexachloroethane
Concen: 30.438 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:117 Resp: 32849

Ion	Ratio	Lower	Upper
117	100		
201	77.5	38.4	115.2



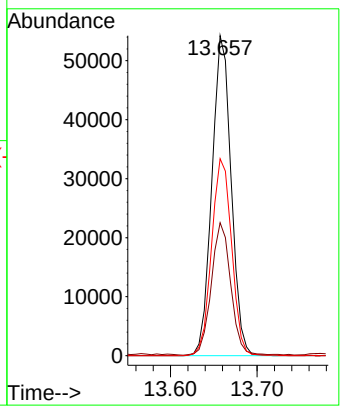


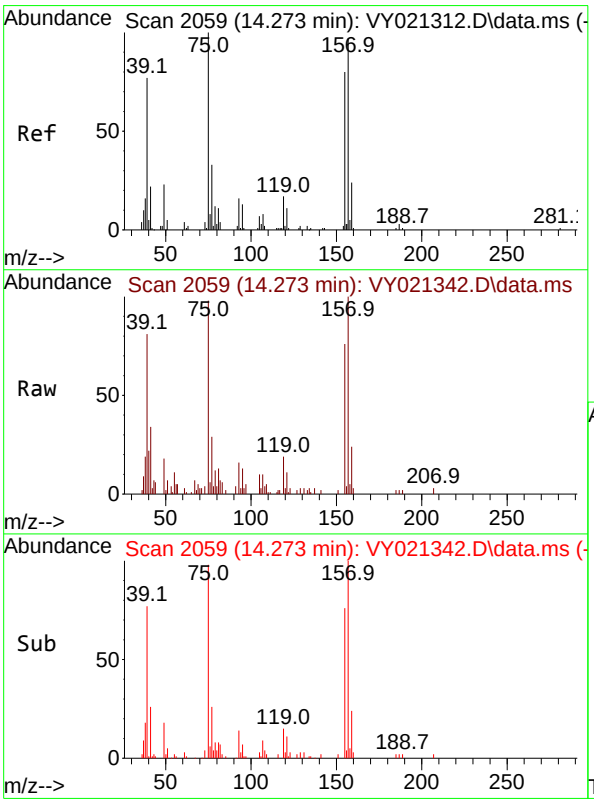
#91
1,2-Dichlorobenzene
Concen: 36.312 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:146 Resp: 83694

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.1	31.7	95.1

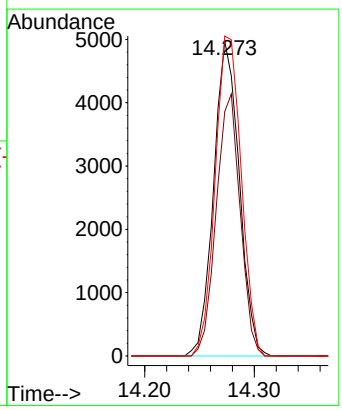


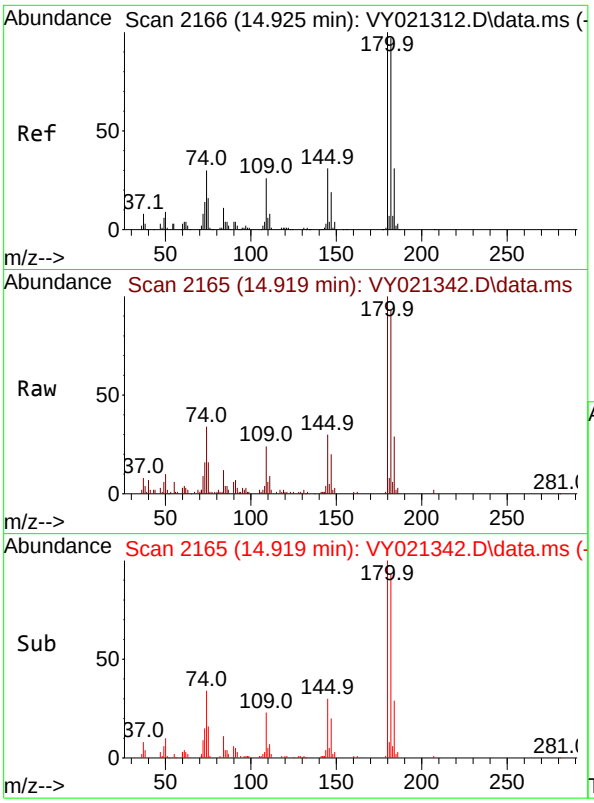


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.542 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion: 75 Resp: 8068

Ion	Ratio	Lower	Upper
75	100		
155	77.9	41.9	125.6
157	103.7	52.5	157.6



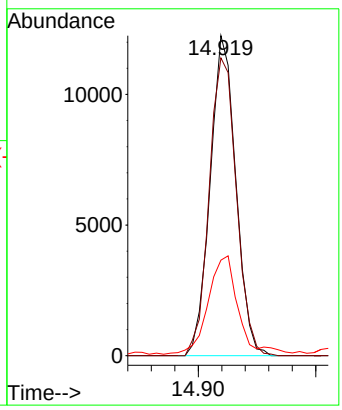


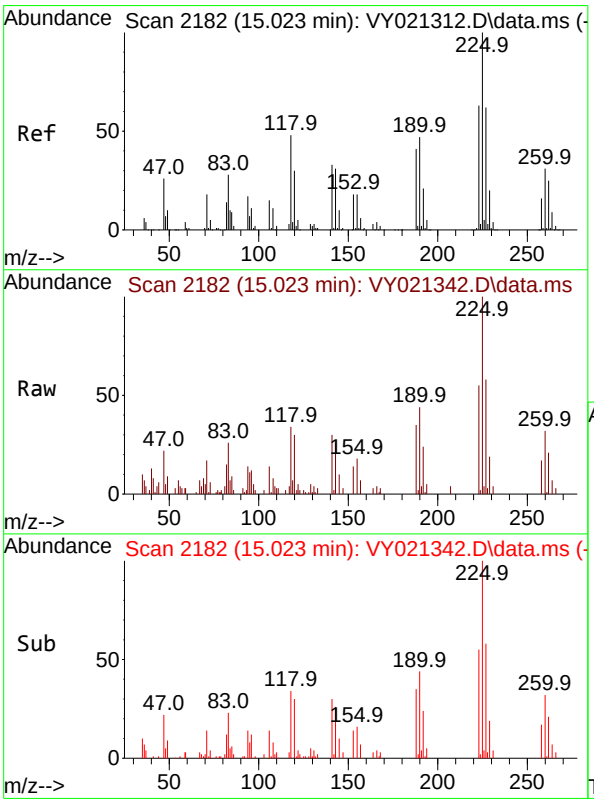
#93
1,2,4-Trichlorobenzene
Concen: 13.193 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:180 Resp: 18559

Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.9	143.7
145	37.7	15.6	46.8

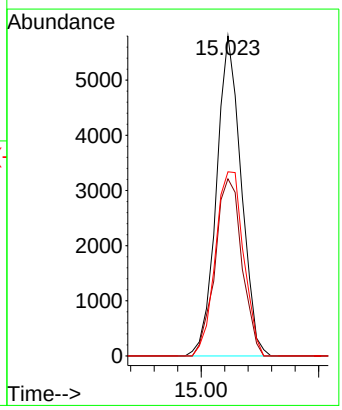


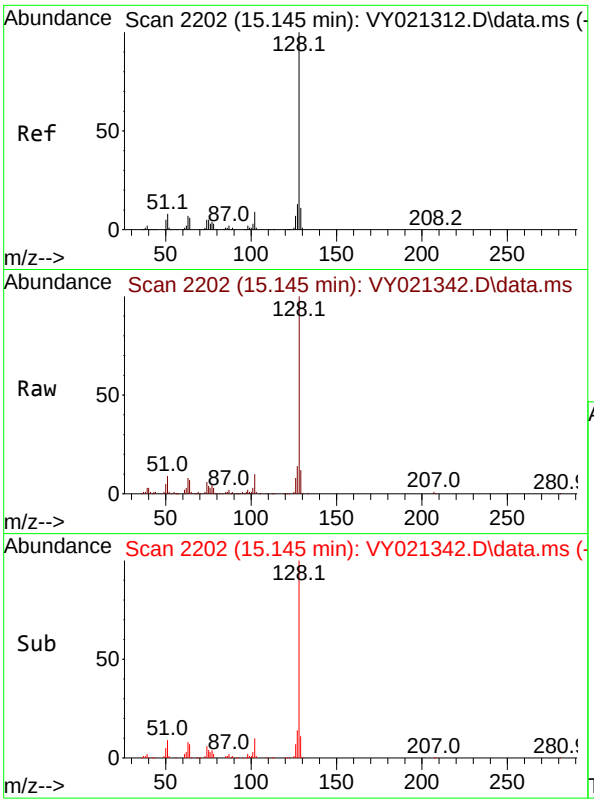


#94
Hexachlorobutadiene
Concen: 9.565 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:225 Resp: 8471

Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.8	95.4
227	65.7	31.9	95.7



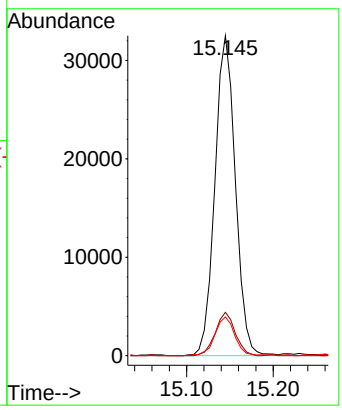


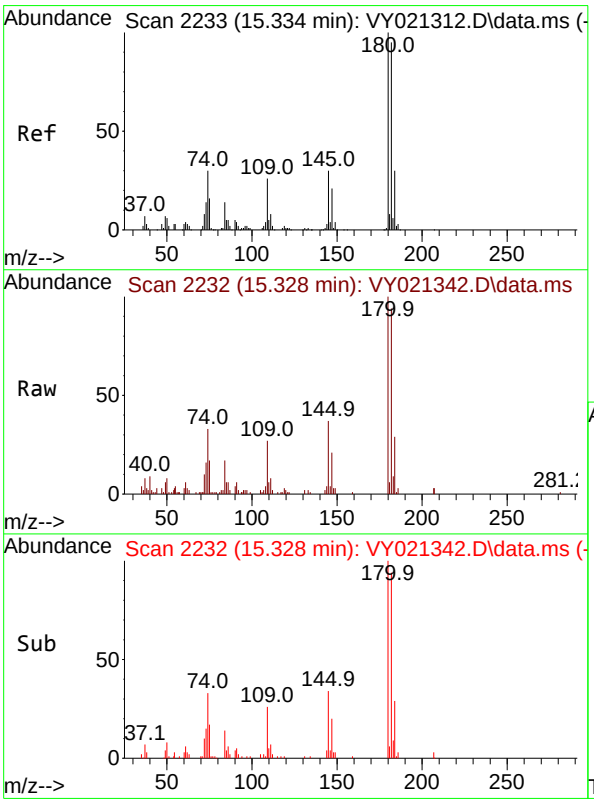
#95
Naphthalene
Concen: 22.930 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MS

Tgt Ion:128 Resp: 53429

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.9	8.5	12.7

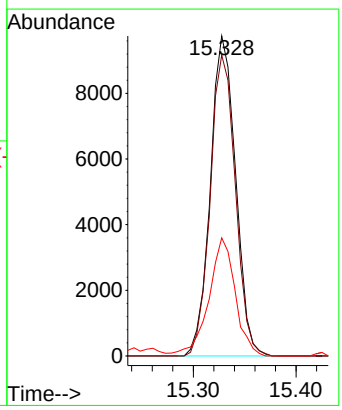




#96
1,2,3-Trichlorobenzene
Concen: 13.994 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021342.D
Acq: 26 Feb 2025 19:21

Tgt Ion:180 Resp: 16632

Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.3	144.9
145	38.7	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Quant Time: Feb 27 00:44:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	137100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	223153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	181056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	63404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87527	56.277	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.560%			
35) Dibromofluoromethane	7.634	113	80395	54.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.900%			
50) Toluene-d8	10.103	98	283014	50.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.408	95	80680	42.399	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	75041	57.730	ug/l	98
3) Chloromethane	2.068	50	93428	55.654	ug/l	100
4) Vinyl Chloride	2.202	62	98032	59.495	ug/l	99
5) Bromomethane	2.599	94	62557	57.132	ug/l	99
6) Chloroethane	2.733	64	60258	58.973	ug/l	99
7) Trichlorofluoromethane	3.062	101	150185	60.353	ug/l	97
8) Diethyl Ether	3.452	74	46516	62.281	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	82305	57.129	ug/l	100
10) Methyl Iodide	4.001	142	99072	65.363	ug/l	99
11) Tert butyl alcohol	4.848	59	31864	266.356	ug/l	98
12) 1,1-Dichloroethene	3.793	96	81611	59.161	ug/l	95
13) Acrolein	3.659	56	4635	50.560	ug/l	96
14) Allyl chloride	4.385	41	141183	57.725	ug/l	98
15) Acrylonitrile	5.055	53	100626	304.725	ug/l	100
16) Acetone	3.867	43	85420	286.319	ug/l	98
17) Carbon Disulfide	4.104	76	268282	58.568	ug/l	99
18) Methyl Acetate	4.385	43	45429	62.308	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	231232	63.444	ug/l	99
20) Methylene Chloride	4.616	84	98540	61.081	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	89484	58.925	ug/l	95
22) Diisopropyl ether	6.019	45	307420	60.741	ug/l	98
23) Vinyl Acetate	5.958	43	922532	305.030	ug/l	99
24) 1,1-Dichloroethane	5.915	63	169196	59.314	ug/l	99
25) 2-Butanone	6.890	43	130748	290.381	ug/l	97
26) 2,2-Dichloropropane	6.884	77	140057	54.110	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	103896	59.913	ug/l	98
28) Bromochloromethane	7.238	49	68413	54.201	ug/l	97
29) Tetrahydrofuran	7.262	42	87340	296.758	ug/l	99
30) Chloroform	7.421	83	174182	60.260	ug/l	100
31) Cyclohexane	7.701	56	125054	45.606	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	155893	59.253	ug/l	97
36) 1,1-Dichloropropene	7.835	75	117746	53.579	ug/l	99
37) Ethyl Acetate	6.988	43	62877	57.519	ug/l	99
38) Carbon Tetrachloride	7.817	117	134965	54.629	ug/l	99
39) Methylcyclohexane	9.110	83	99386	35.756	ug/l	97
40) Benzene	8.079	78	370415	57.020	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Quant Time: Feb 27 00:44:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	33290	54.467	ug/l		95
42) 1,2-Dichloroethane	8.159	62	110620	60.018	ug/l		99
43) Isopropyl Acetate	8.195	43	123473	58.355	ug/l		98
44) Trichloroethene	8.866	130	87915	54.054	ug/l		98
45) 1,2-Dichloropropane	9.140	63	89636	57.336	ug/l		98
46) Dibromomethane	9.225	93	51162	59.869	ug/l		100
47) Bromodichloromethane	9.420	83	133577	58.623	ug/l		100
48) Methyl methacrylate	9.219	41	57228	57.838	ug/l		95
49) 1,4-Dioxane	9.225	88	11155	1173.970	ug/l		89
51) 4-Methyl-2-Pentanone	9.994	43	312663	288.673	ug/l		100
52) Toluene	10.170	92	221413	54.864	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	116747	55.924	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	135402	54.941	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	66842	60.042	ug/l		97
56) Ethyl methacrylate	10.439	69	90173	58.621	ug/l		99
57) 1,3-Dichloropropane	10.713	76	116388	59.579	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	2214	2.999	ug/l		98
59) 2-Hexanone	10.762	43	203976	286.754	ug/l		99
60) Dibromochloromethane	10.908	129	89178	58.817	ug/l		99
61) 1,2-Dibromoethane	11.012	107	61559	58.408	ug/l		95
64) Tetrachloroethene	10.646	164	69112	50.502	ug/l		99
65) Chlorobenzene	11.438	112	218806	53.837	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.512	131	85488	60.072	ug/l		99
67) Ethyl Benzene	11.518	91	377872	52.490	ug/l		99
68) m/p-Xylenes	11.627	106	275336	101.683	ug/l		100
69) o-Xylene	11.957	106	133078	52.462	ug/l		98
70) Styrene	11.969	104	145442	34.461	ug/l		95
71) Bromoform	12.133	173	49481	60.778	ug/l	#	99
73) Isopropylbenzene	12.255	105	305940	64.183	ug/l		100
74) N-amyl acetate	12.072	43	100797	83.194	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	70814	84.177	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	91438	144.078	ug/l	#	100
77) Bromobenzene	12.530	156	78858	71.126	ug/l		98
78) n-propylbenzene	12.597	91	321596	55.599	ug/l		99
79) 2-Chlorotoluene	12.676	91	204105	61.485	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	210571	53.862	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	22326	78.190	ug/l		98
82) 4-Chlorotoluene	12.780	91	198559	57.702	ug/l		100
83) tert-Butylbenzene	12.999	119	178441	50.529	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	210873	54.235	ug/l		100
85) sec-Butylbenzene	13.176	105	214897	41.660	ug/l		99
86) p-Isopropyltoluene	13.292	119	173012	40.168	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	106828	48.710	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	111142	51.298	ug/l		99
89) n-Butylbenzene	13.615	91	120521	29.734	ug/l		99
90) Hexachloroethane	13.877	117	38746	43.065	ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	102285	53.232	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10374	77.954	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	23272	19.844	ug/l		98
94) Hexachlorobutadiene	15.023	225	10275	13.917	ug/l		98
95) Naphthalene	15.145	128	68572	35.301	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	20565	20.754	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Quant Time: Feb 27 00:44:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

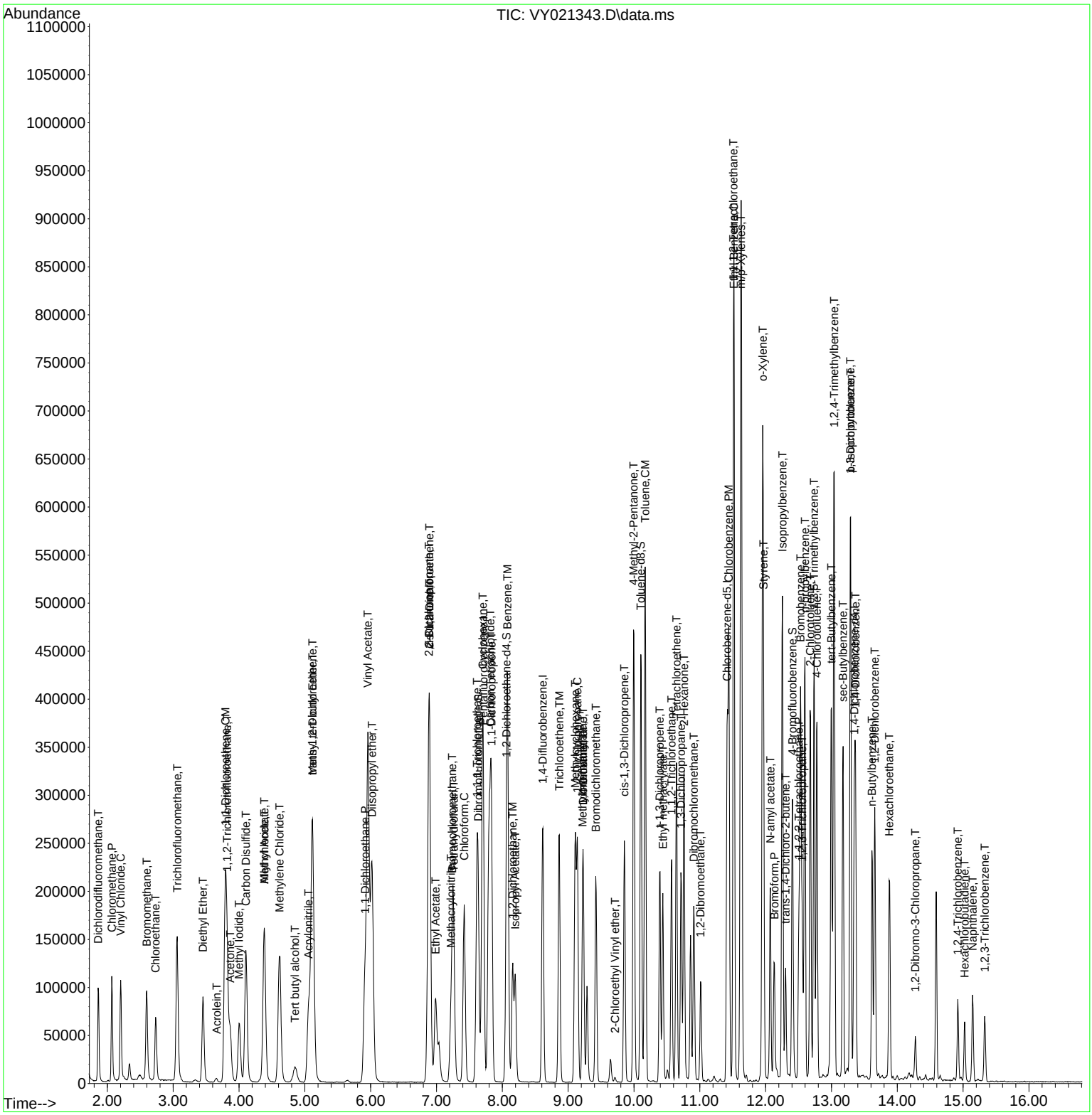
(#) = qualifier out of range (m) = manual integration (+) = signals summed

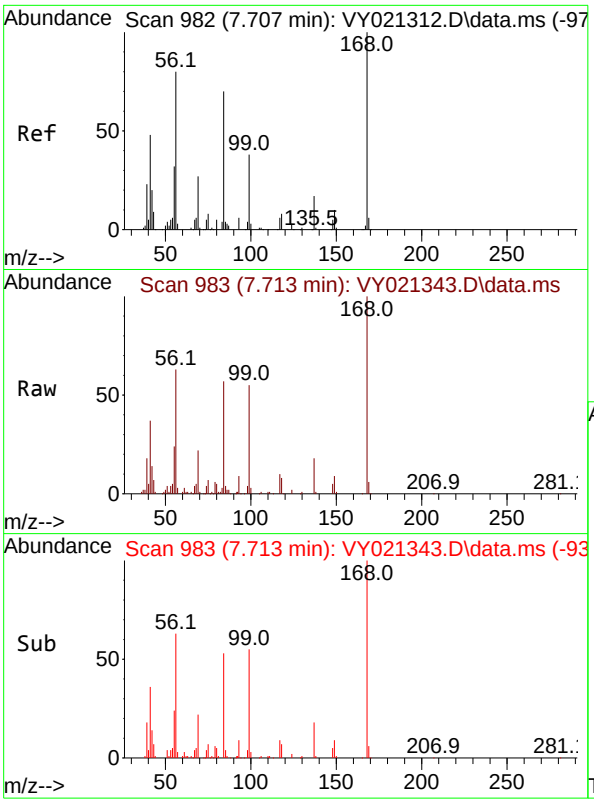
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021343.D
Acq On : 26 Feb 2025 19:43
Operator : SY/MD
Sample : Q1380-08MSD
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Quant Time: Feb 27 00:44:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



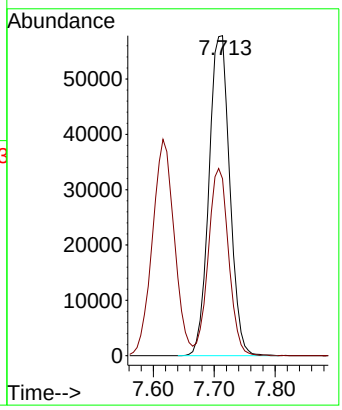


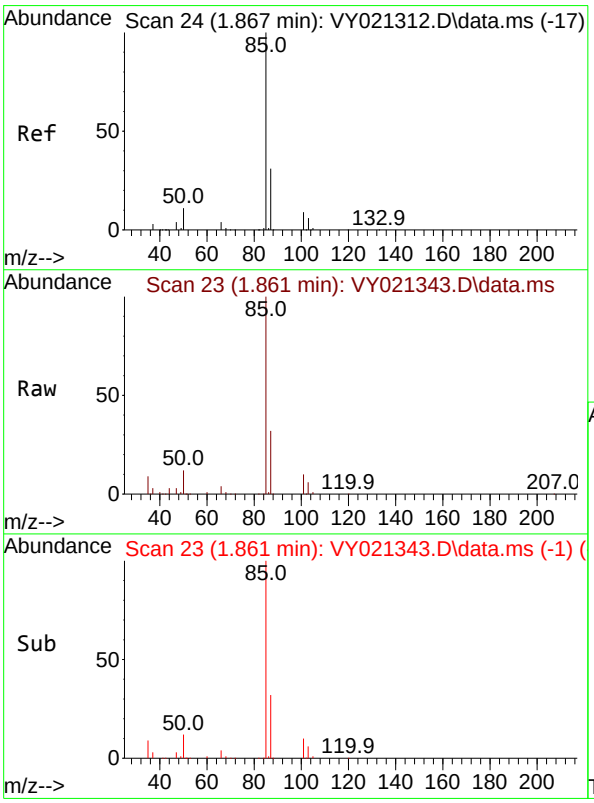
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:168 Resp: 137100

Ion	Ratio	Lower	Upper
168	100		
99	55.3	47.1	70.7

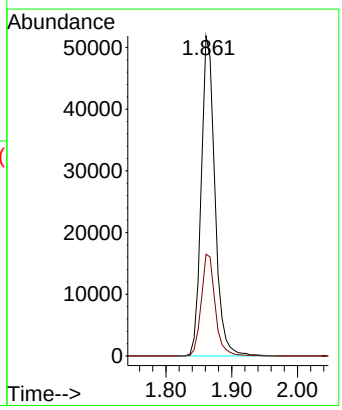


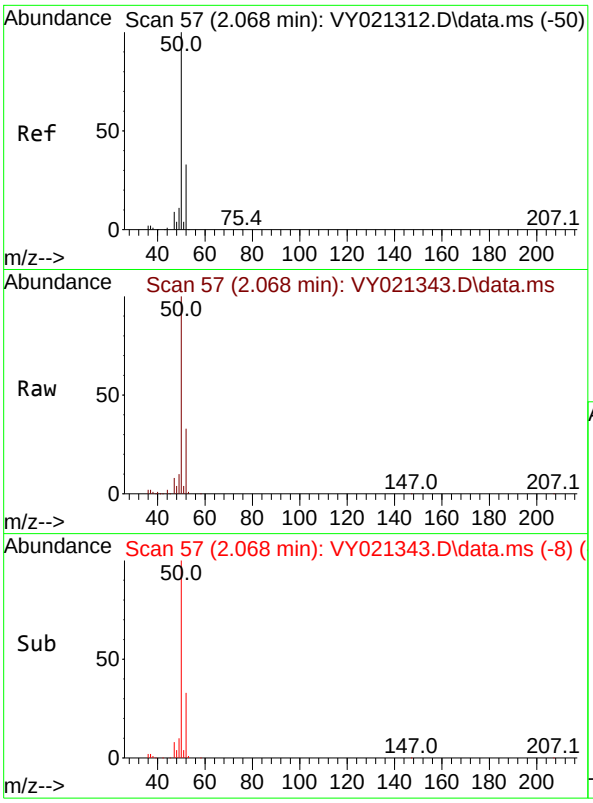


#2
Dichlorodifluoromethane
Concen: 57.730 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 85 Resp: 75041

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.4	46.4



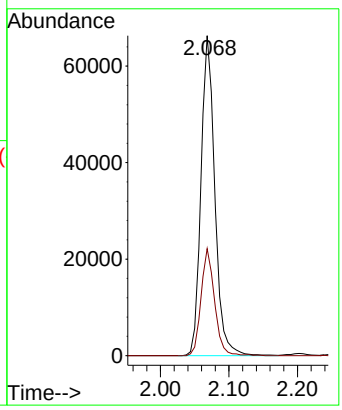


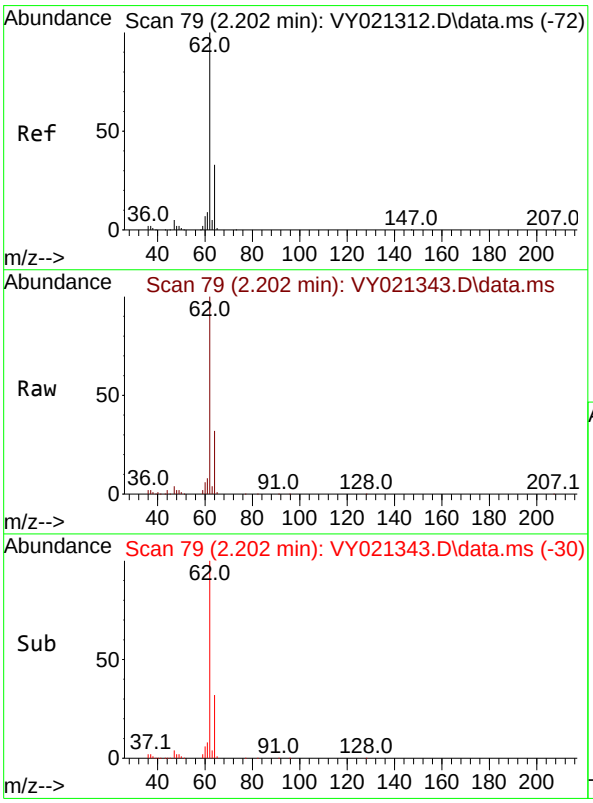
#3
Chloromethane
Concen: 55.654 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 50 Resp: 93428

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.6	40.0

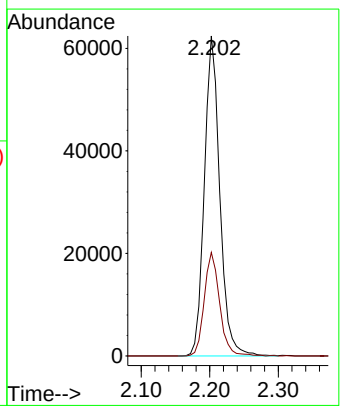


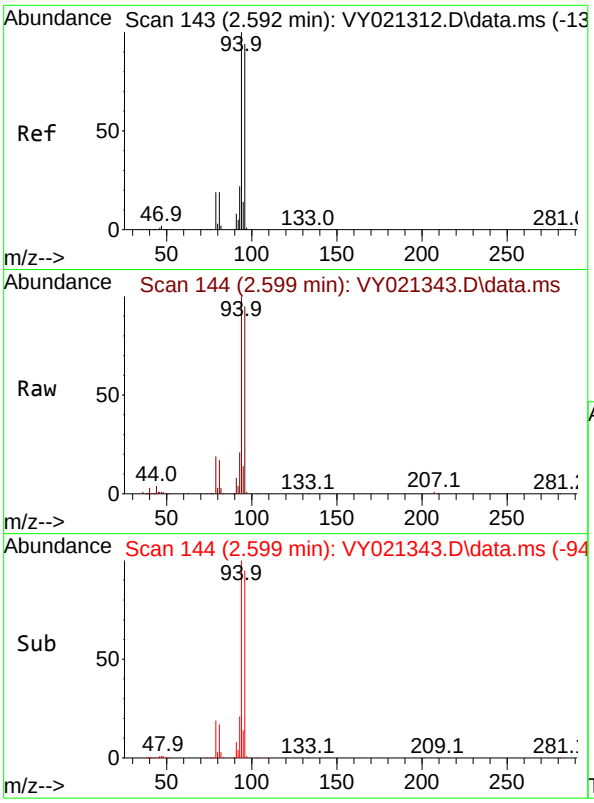


#4
Vinyl Chloride
Concen: 59.495 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 62 Resp: 98032

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.3	39.5



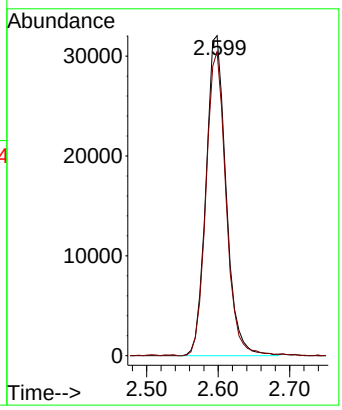


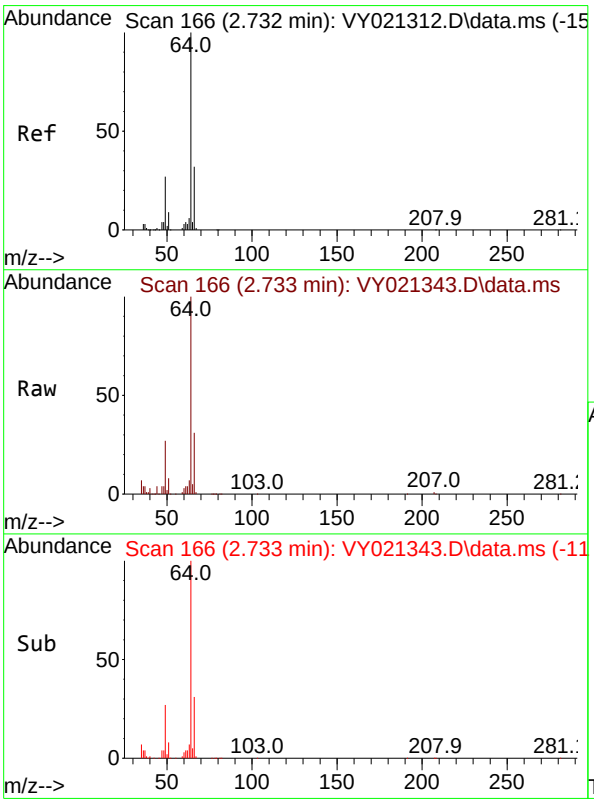
#5
Bromomethane
Concen: 57.132 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 94 Resp: 62557

Ion	Ratio	Lower	Upper
94	100		
96	95.0	75.2	112.8

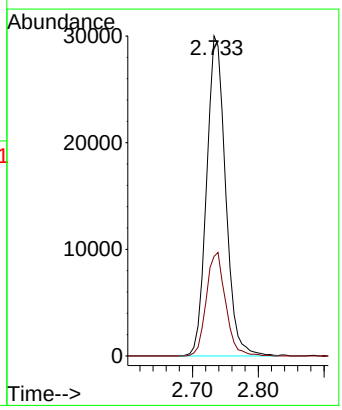


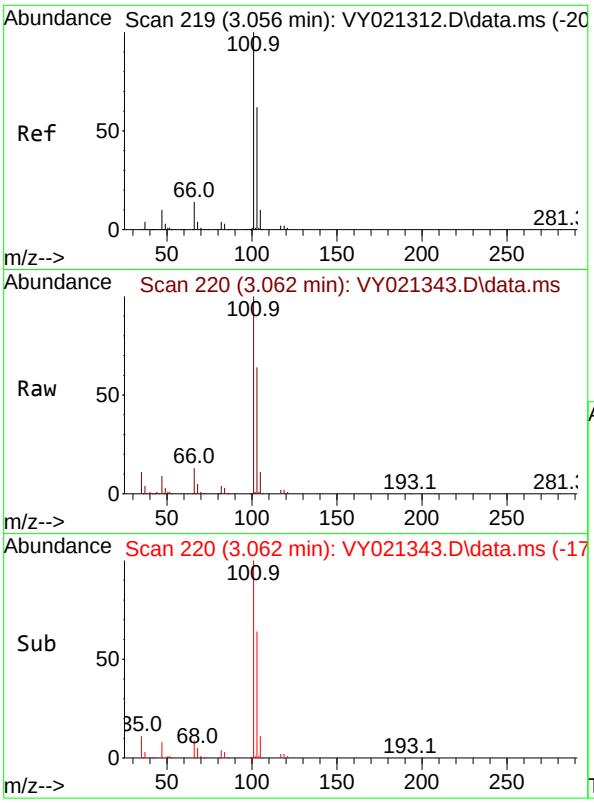


#6
Chloroethane
Concen: 58.973 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 64 Resp: 60258

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.4	38.0



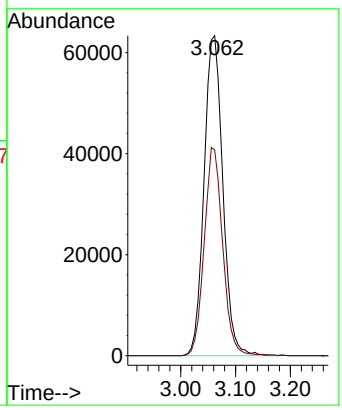


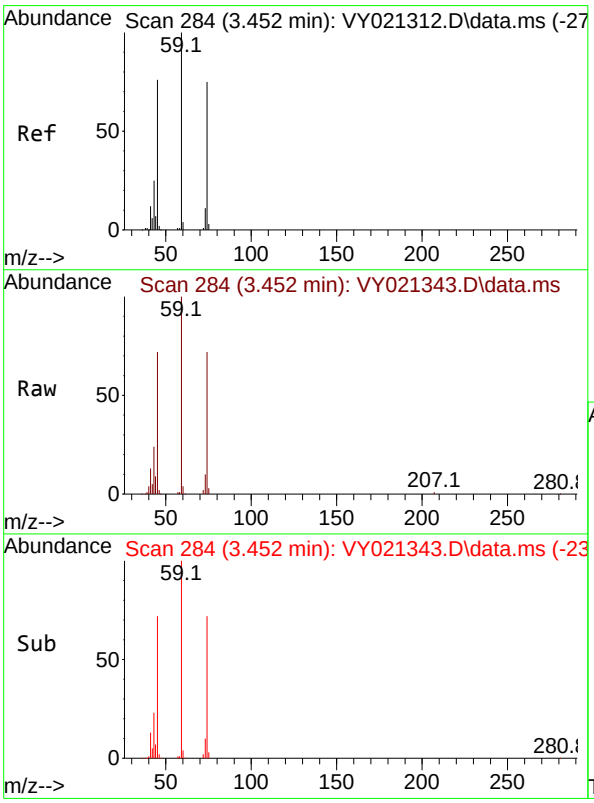
#7
Trichlorofluoromethane
Concen: 60.353 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:101 Resp: 150185

Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.7	74.5

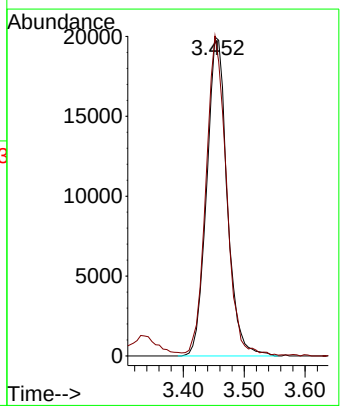


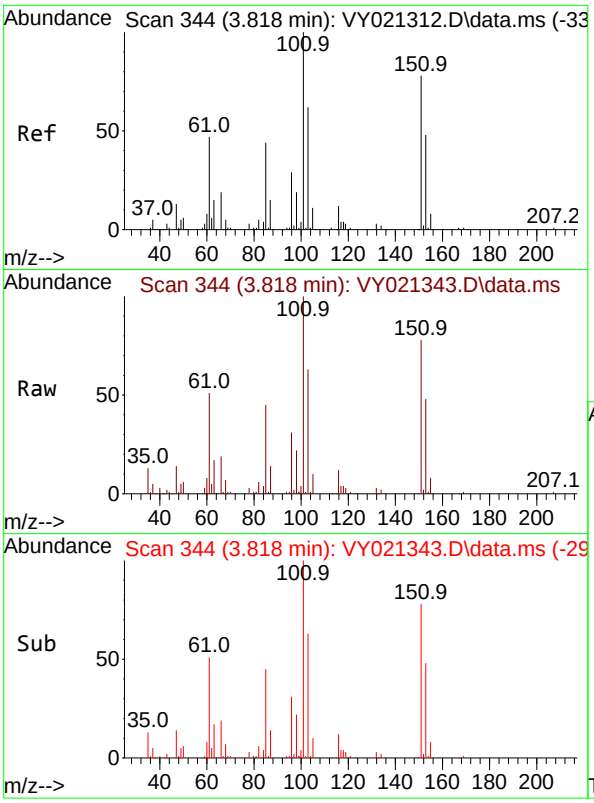


#8
Diethyl Ether
Concen: 62.281 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 74 Resp: 46516

Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.3	150.9



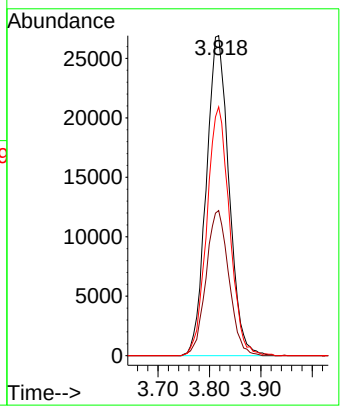


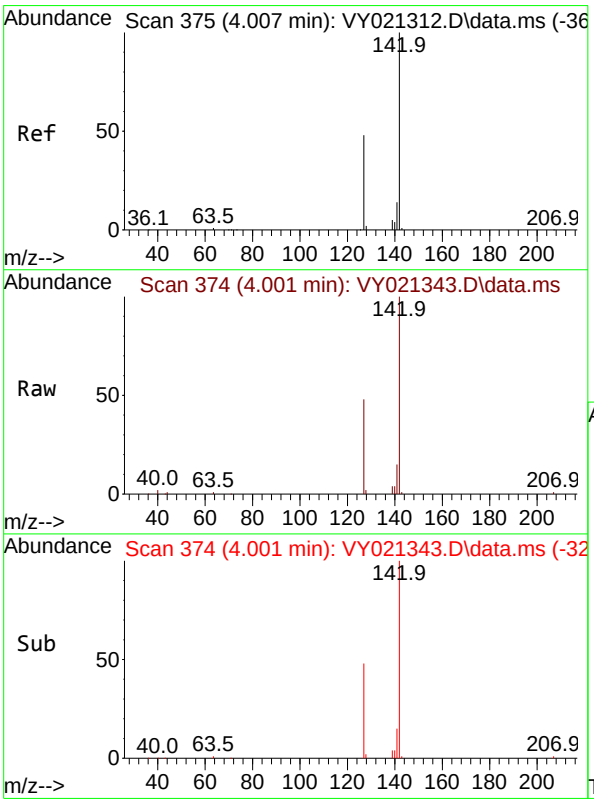
#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.129 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:101 Resp: 82305

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.7	55.1
151	78.1	62.6	94.0

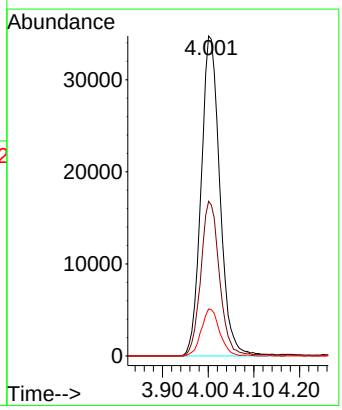


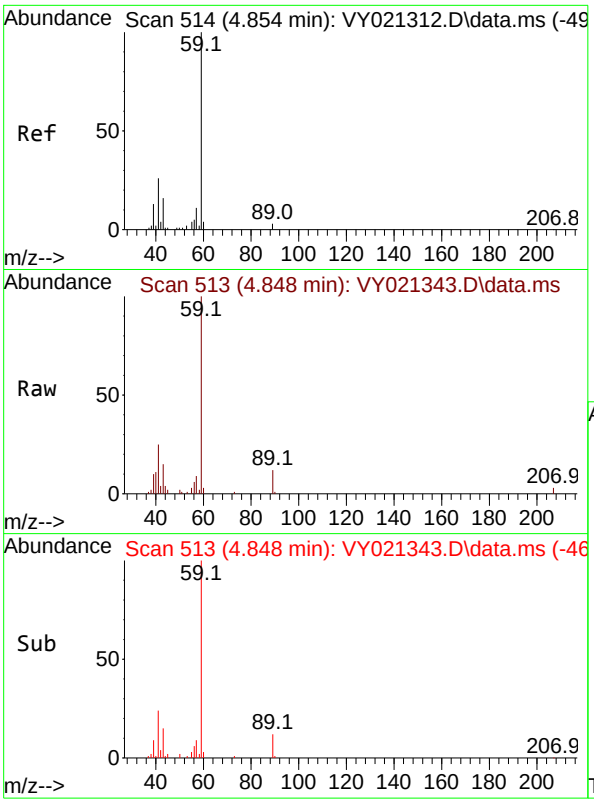


#10
Methyl Iodide
Concen: 65.363 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:142 Resp: 99072

Ion	Ratio	Lower	Upper
142	100		
127	48.2	39.2	58.8
141	14.3	11.4	17.2



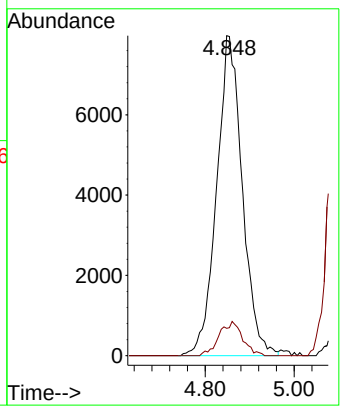


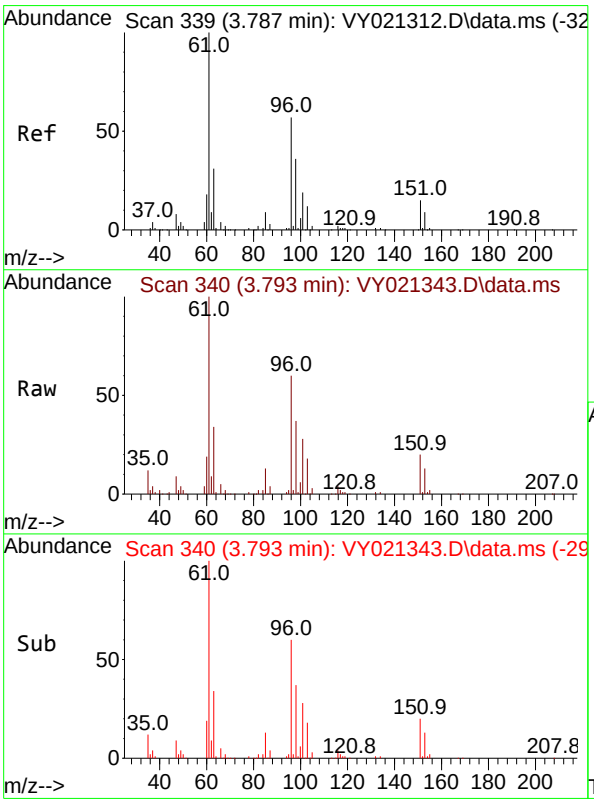
#11
Tert butyl alcohol
Concen: 266.356 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 59 Resp: 31864

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

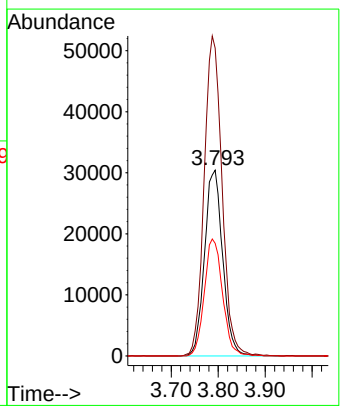


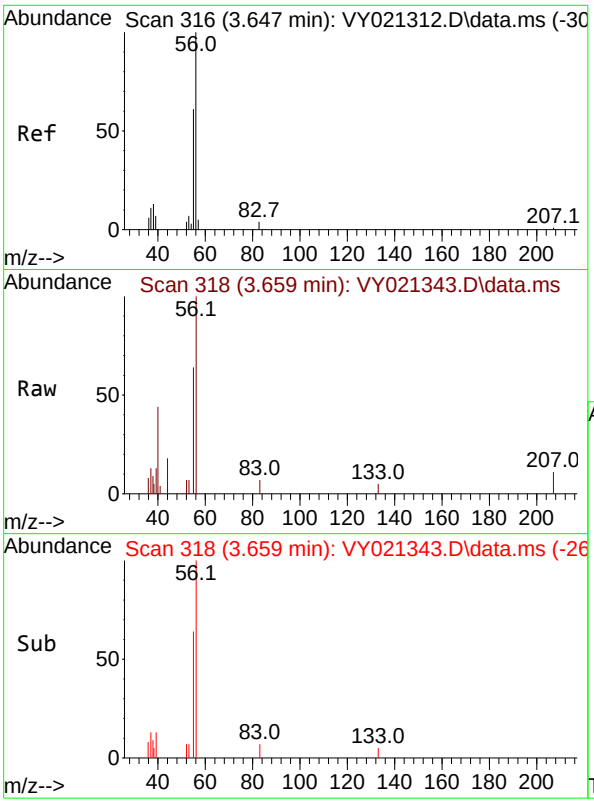


#12
1,1-Dichloroethene
Concen: 59.161 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 96 Resp: 81611

Ion	Ratio	Lower	Upper
96	100		
61	165.6	139.7	209.5
98	60.6	49.7	74.5



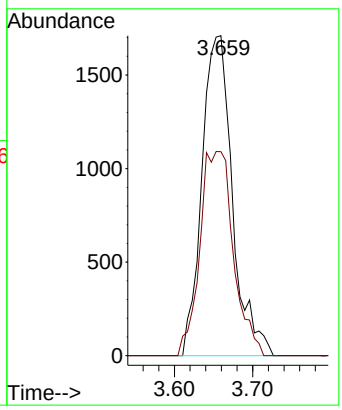


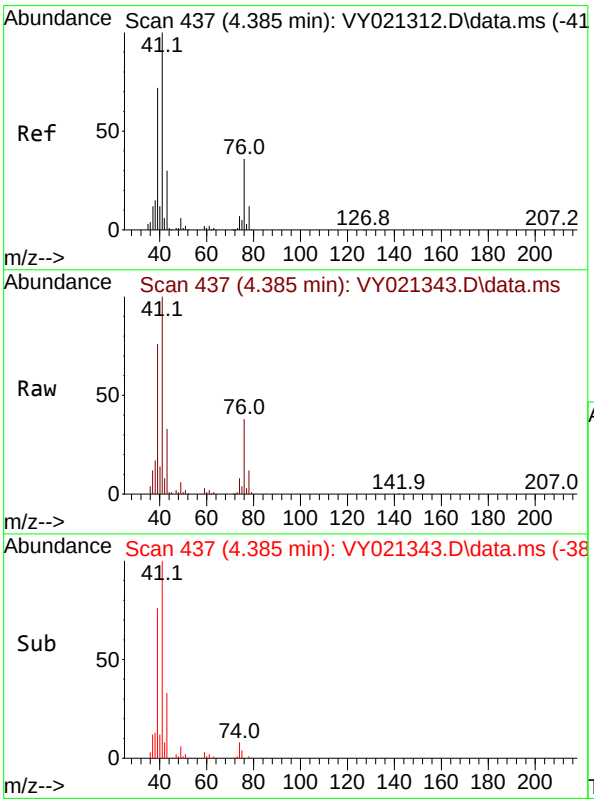
#13
Acrolein
Concen: 50.560 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 56 Resp: 4635

Ion	Ratio	Lower	Upper
56	100		
55	70.0	59.0	88.6

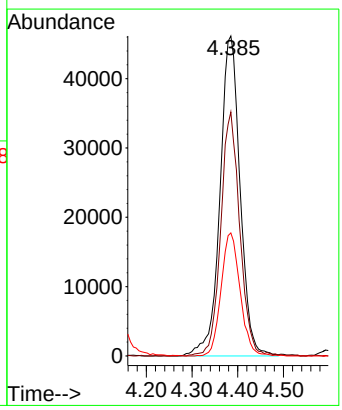


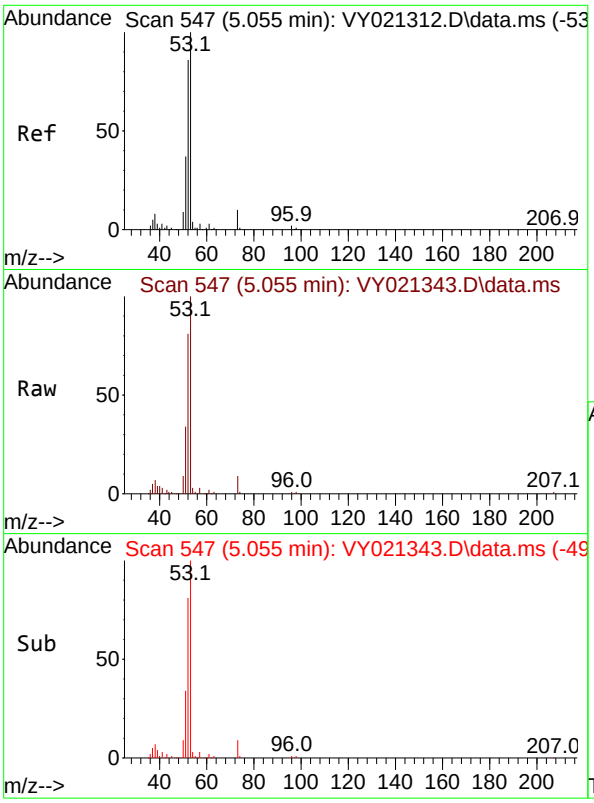


#14
Allyl chloride
Concen: 57.725 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 41 Resp: 141183

Ion	Ratio	Lower	Upper
41	100		
39	72.3	60.0	90.0
76	36.5	29.0	43.6



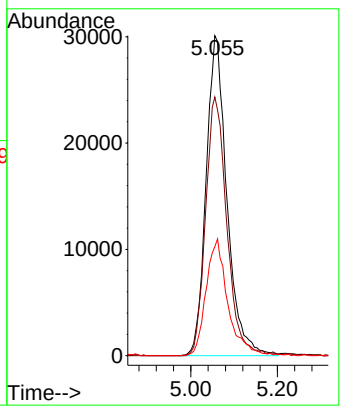


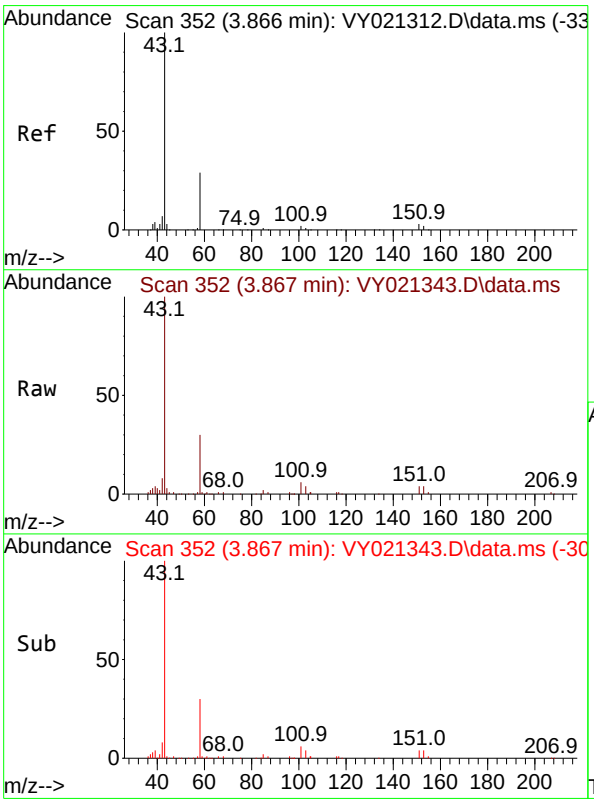
#15
Acrylonitrile
Concen: 304.725 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 53 Resp: 100626

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	38.2	30.6	46.0

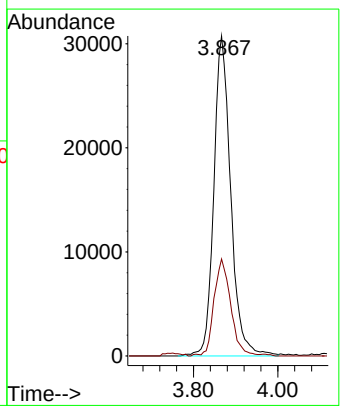


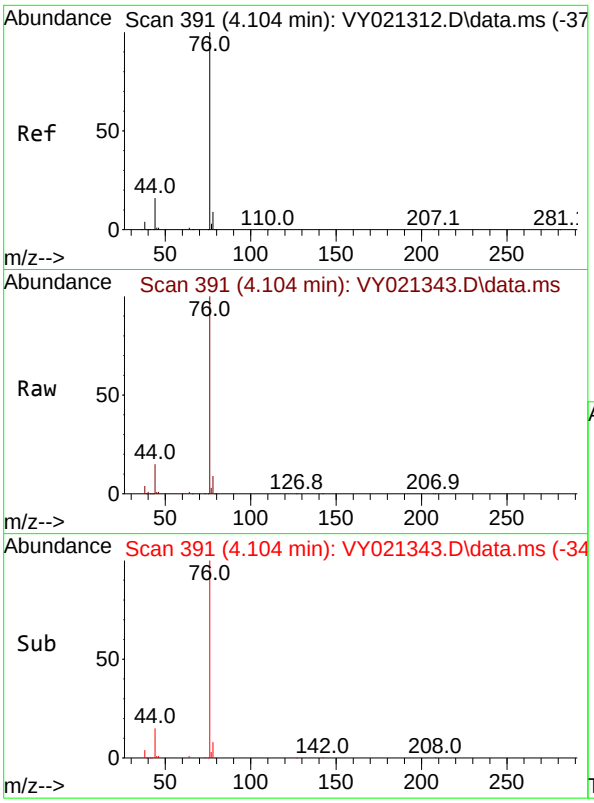


#16
Acetone
Concen: 286.319 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 85420

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.5	35.3



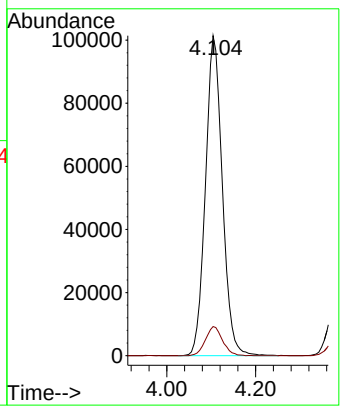


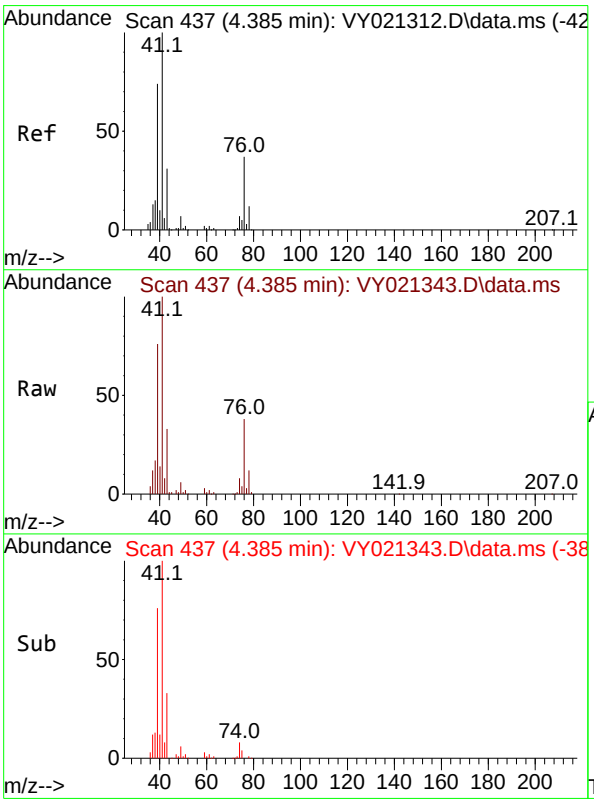
#17
Carbon Disulfide
Concen: 58.568 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 76 Resp: 268282

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

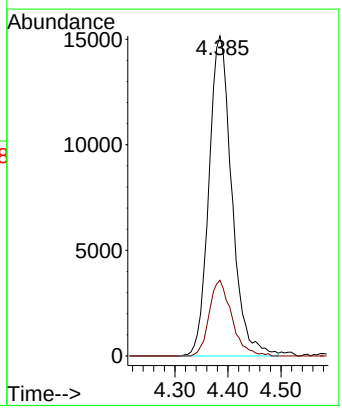


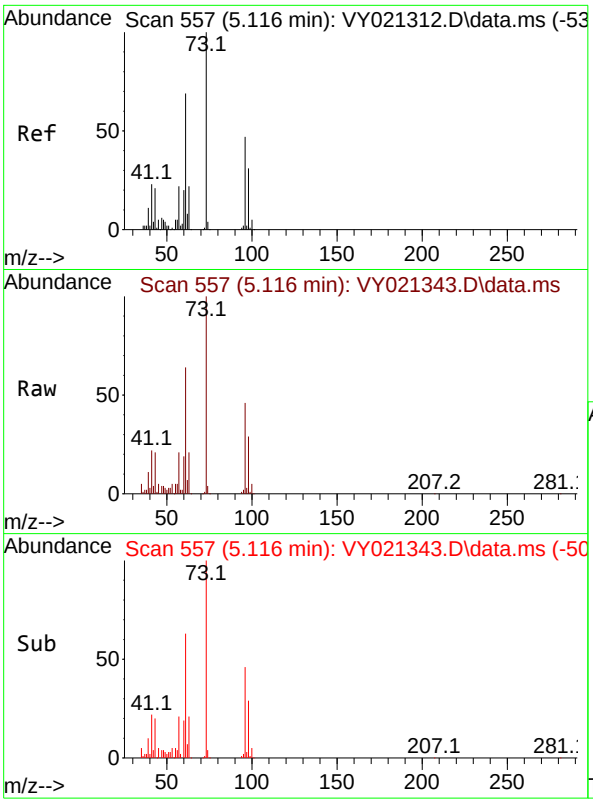


#18
Methyl Acetate
Concen: 62.308 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 45429

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.7	26.5



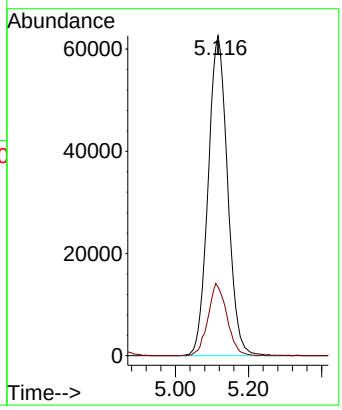


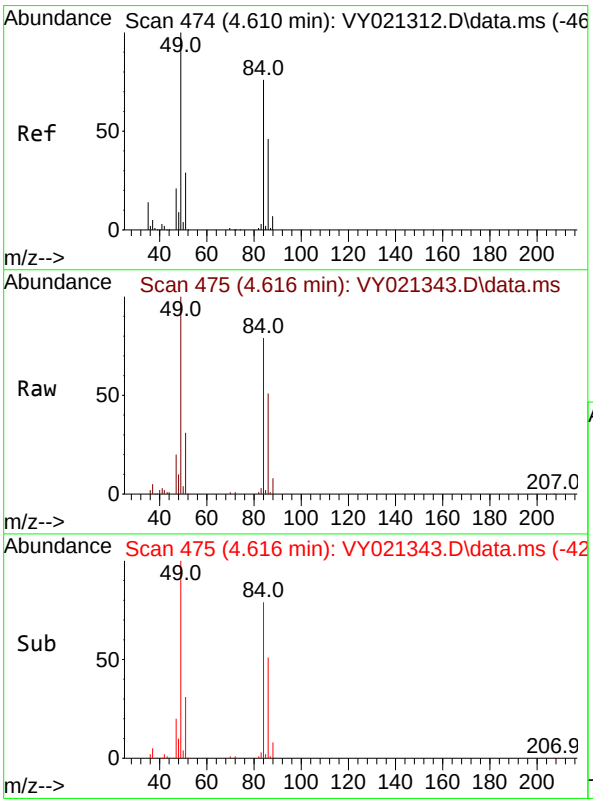
#19
Methyl tert-butyl Ether
Concen: 63.444 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 73 Resp: 231232

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0

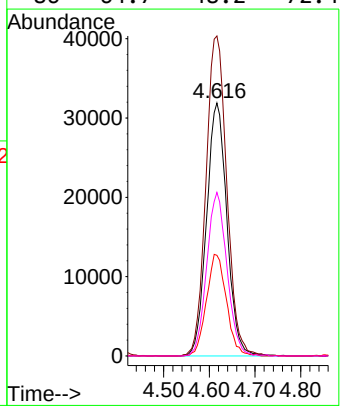


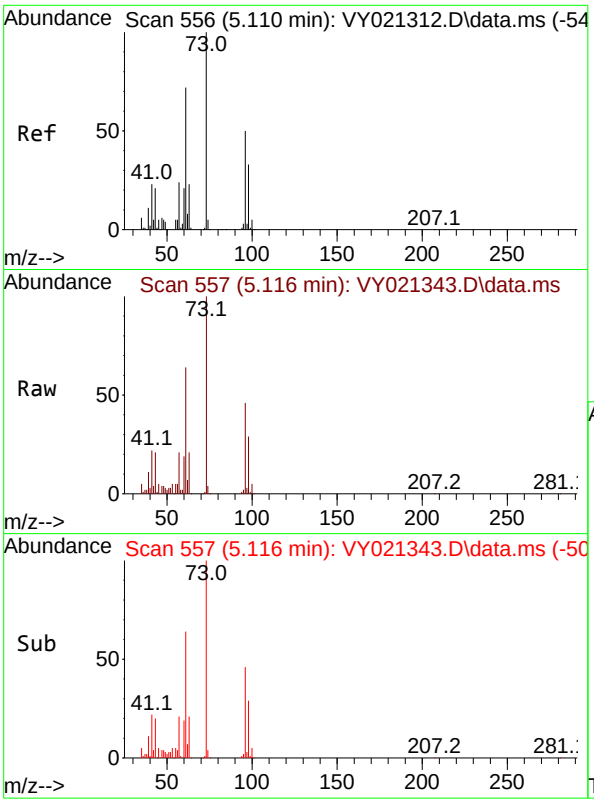


#20
Methylene Chloride
Concen: 61.081 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 84 Resp: 98540

Ion	Ratio	Lower	Upper
84	100		
49	126.5	105.1	157.7
51	39.8	31.0	46.4
86	64.7	48.2	72.4



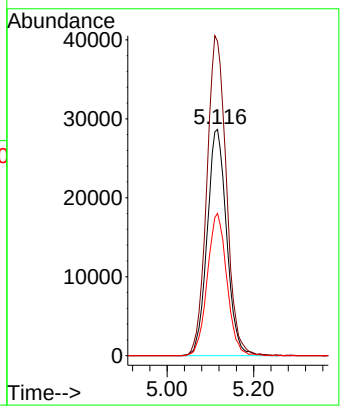


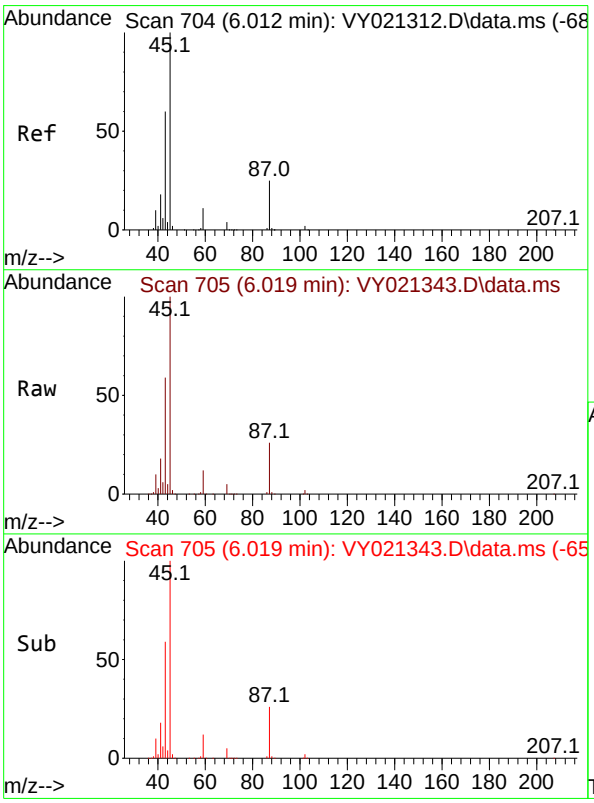
#21
trans-1,2-Dichloroethene
Concen: 58.925 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 96 Resp: 89484

Ion	Ratio	Lower	Upper
96	100		
61	138.9	116.3	174.5
98	62.9	52.6	78.8

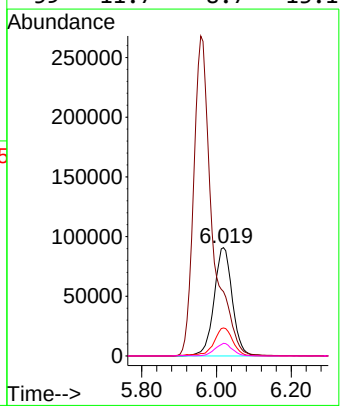


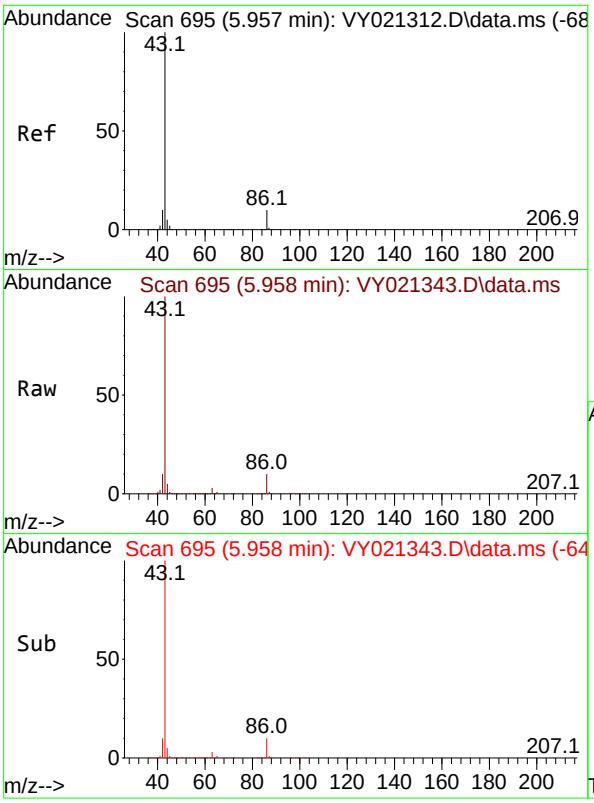


#22
Diisopropyl ether
Concen: 60.741 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 45 Resp: 307420

Ion	Ratio	Lower	Upper
45	100		
43	58.8	48.2	72.4
87	25.9	20.3	30.5
59	11.7	8.7	13.1



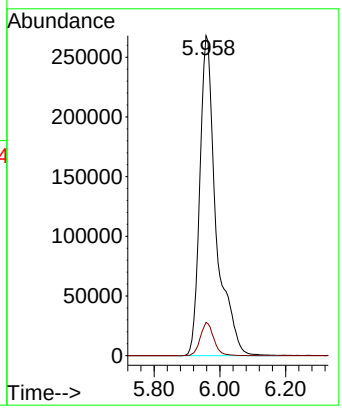


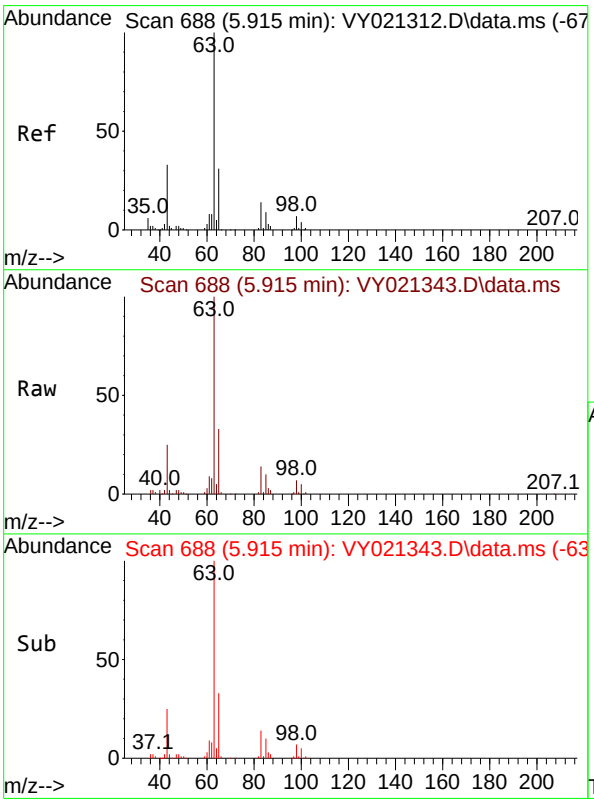
#23
Vinyl Acetate
Concen: 305.030 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 43 Resp: 922532

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.0	12.0

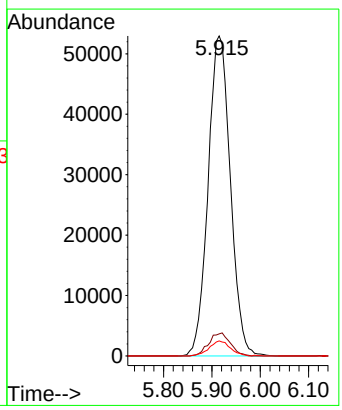


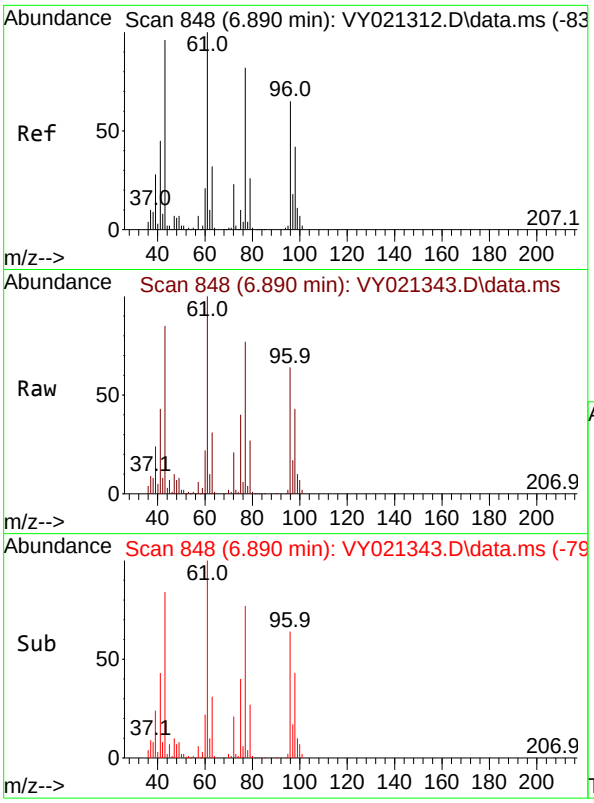


#24
1,1-Dichloroethane
Concen: 59.314 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 63 Resp: 169196

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.7	11.1
100	4.7	2.1	6.5



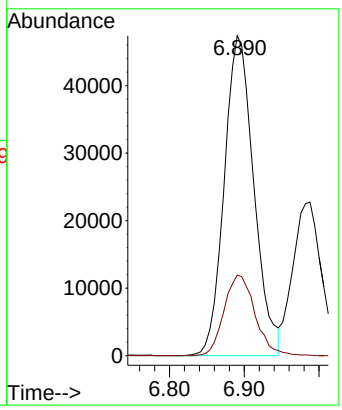


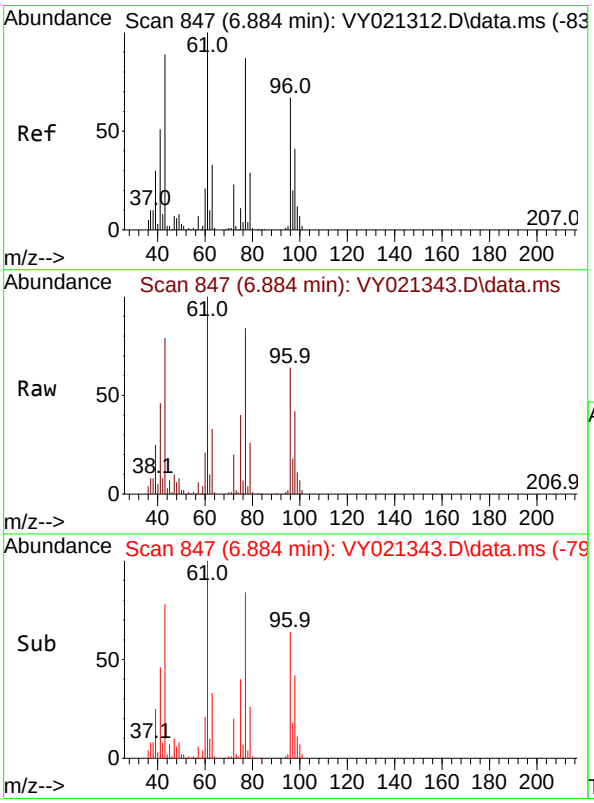
#25
2-Butanone
Concen: 290.381 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 43 Resp: 130748

Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.0	28.6

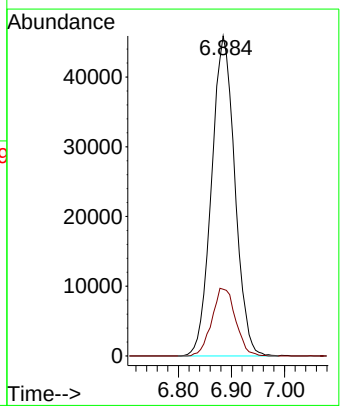


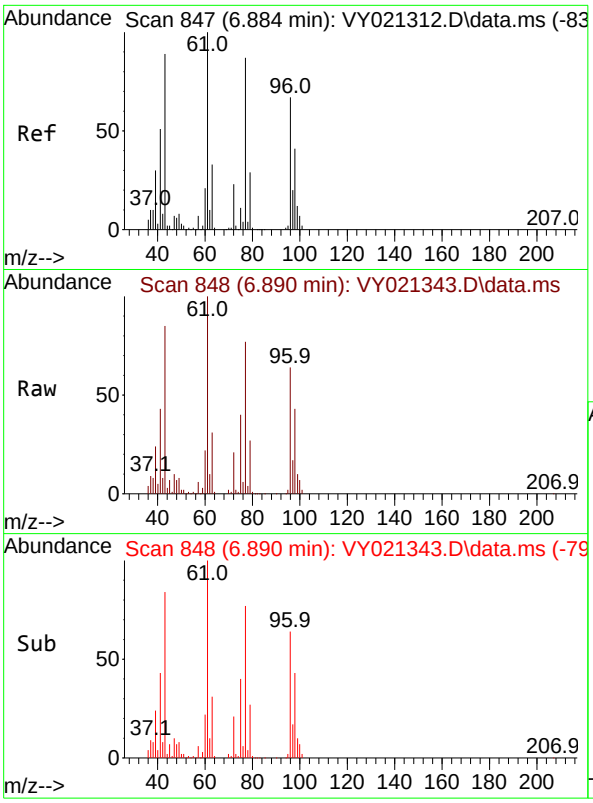


#26
2,2-Dichloropropane
Concen: 54.110 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 77 Resp: 140057

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.9	32.7



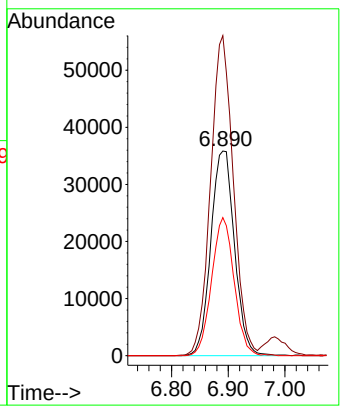


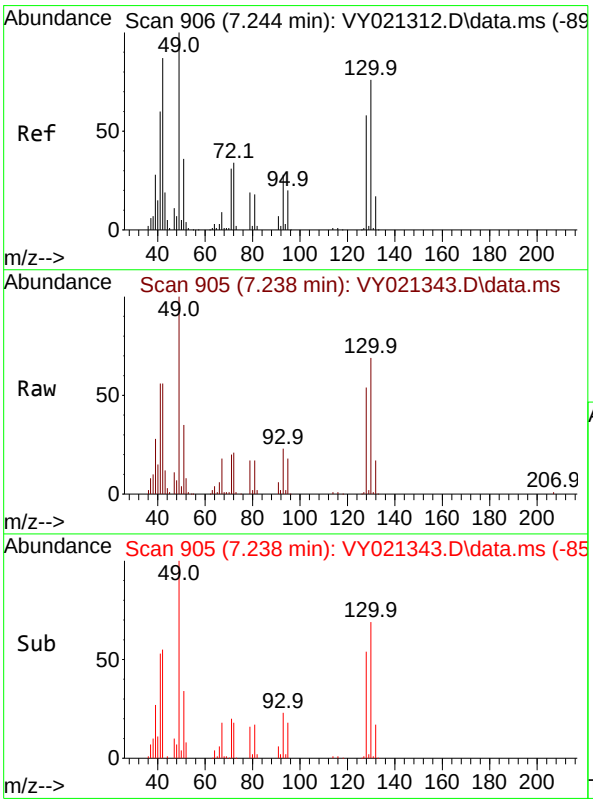
#27
cis-1,2-Dichloroethene
Concen: 59.913 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 96 Resp: 103896

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	308.0
98	64.2	0.0	129.6

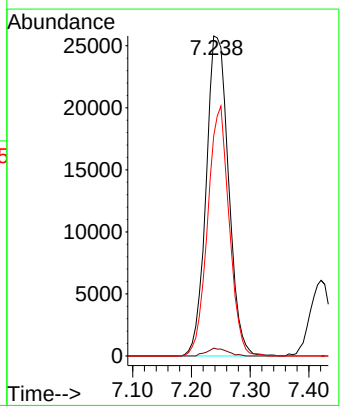


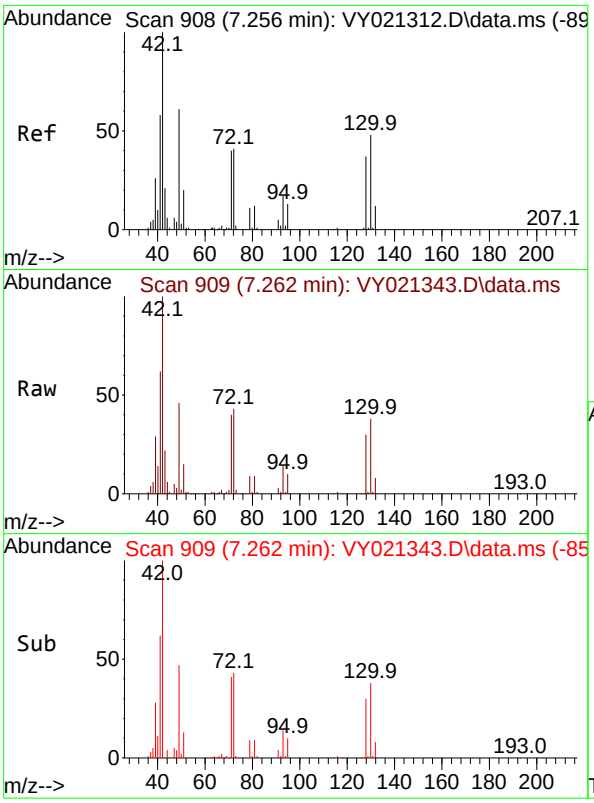


#28
Bromochloromethane
Concen: 54.201 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 49 Resp: 68413

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	74.5	57.8	86.6



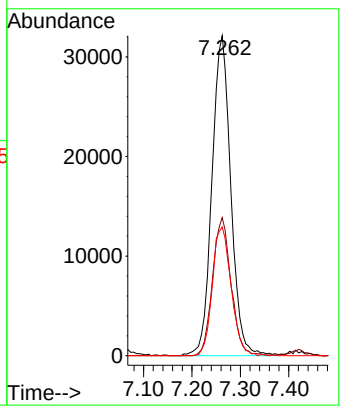


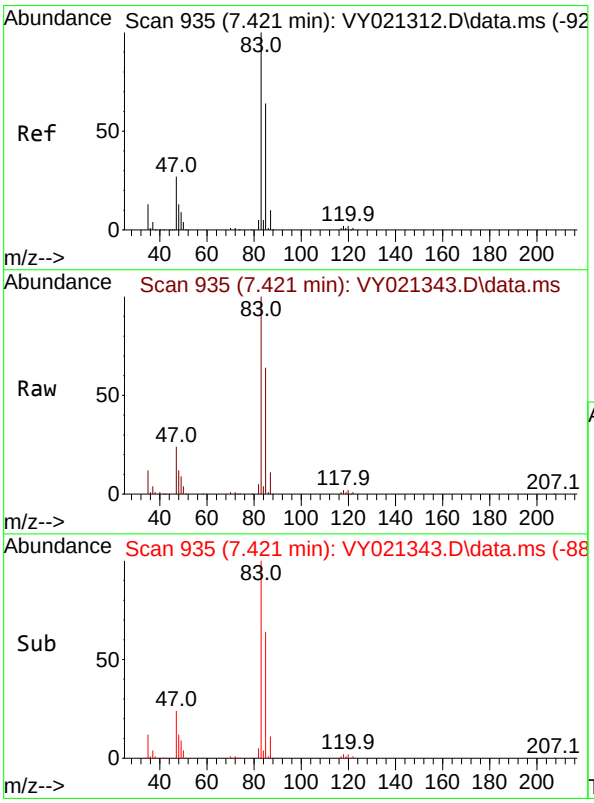
#29
Tetrahydrofuran
Concen: 296.758 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 42 Resp: 87340

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.1	49.7
71	40.1	31.4	47.0

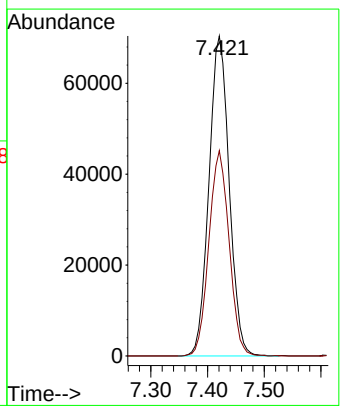


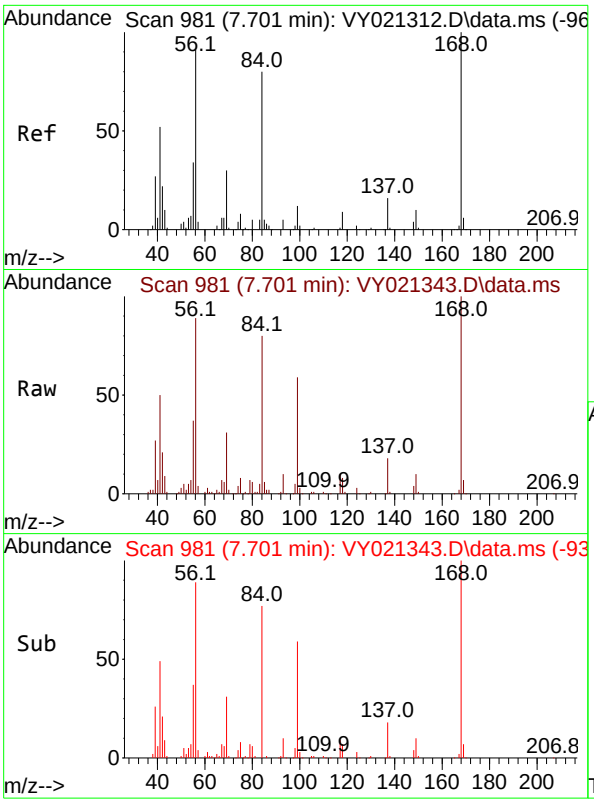


#30
Chloroform
Concen: 60.260 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 83 Resp: 174182

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4



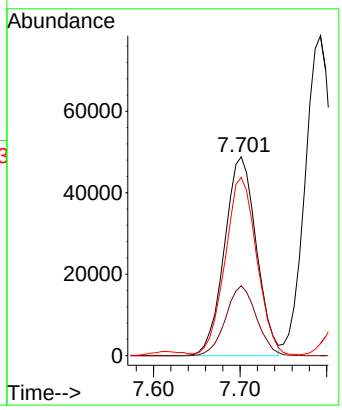


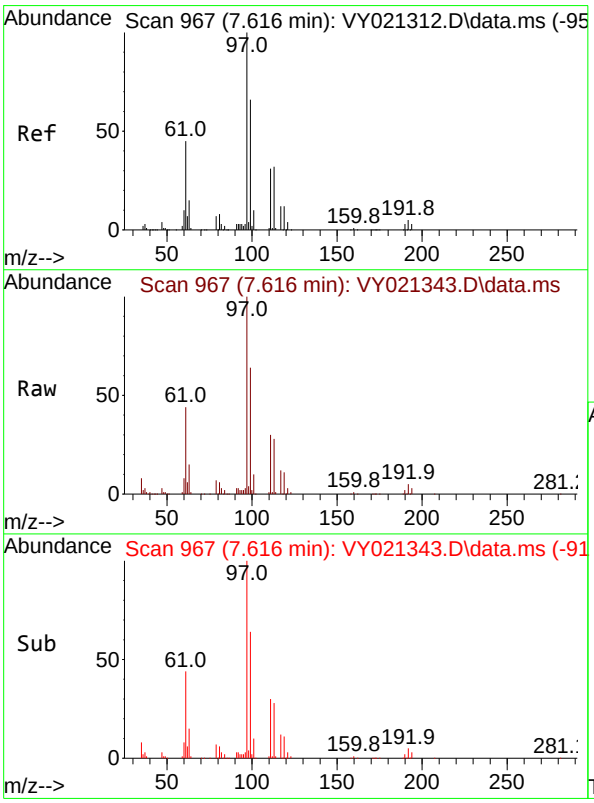
#31
Cyclohexane
Concen: 45.606 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 56 Resp: 125054

Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.2	39.4
84	88.1	70.2	105.4

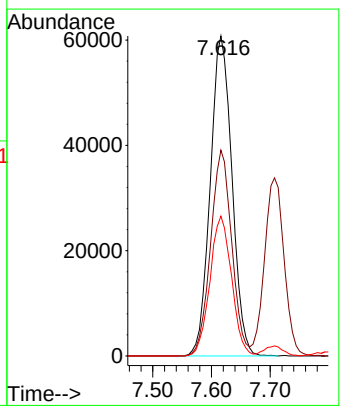


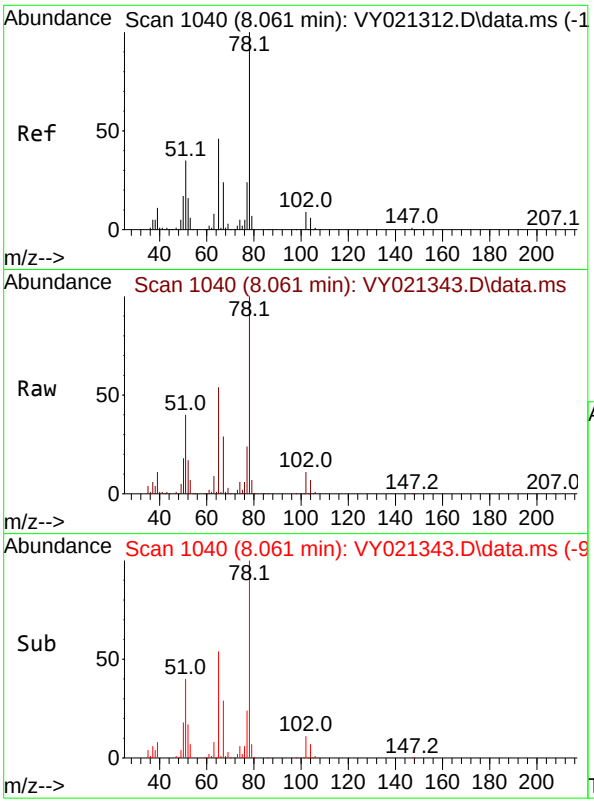


#32
1,1,1-Trichloroethane
Concen: 59.253 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 97 Resp: 155893

Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.4	78.6
61	43.5	36.2	54.2



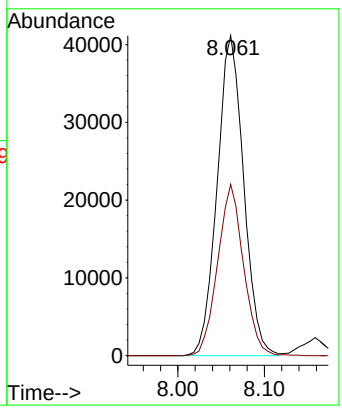


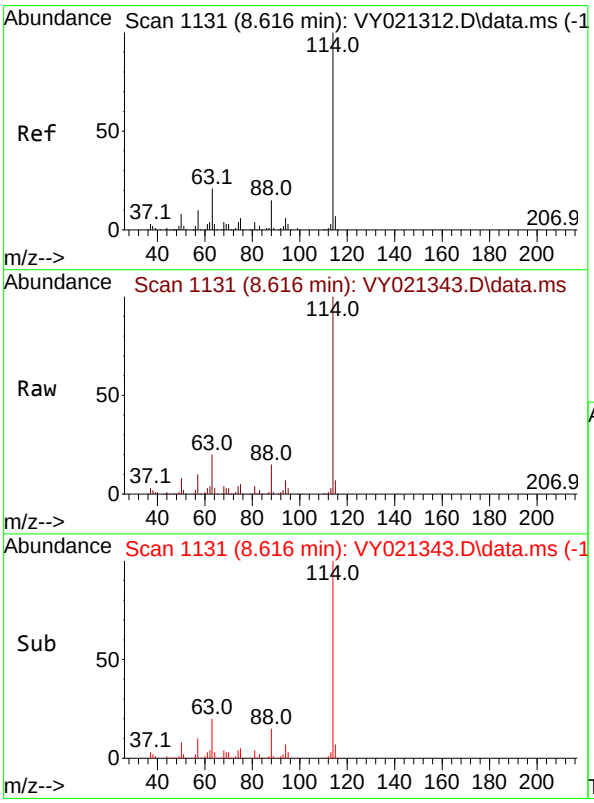
#33
1,2-Dichloroethane-d4
Concen: 56.277 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 65 Resp: 87527

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.6

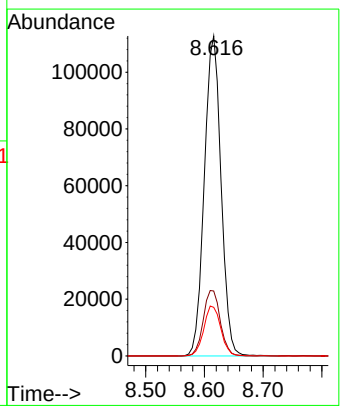


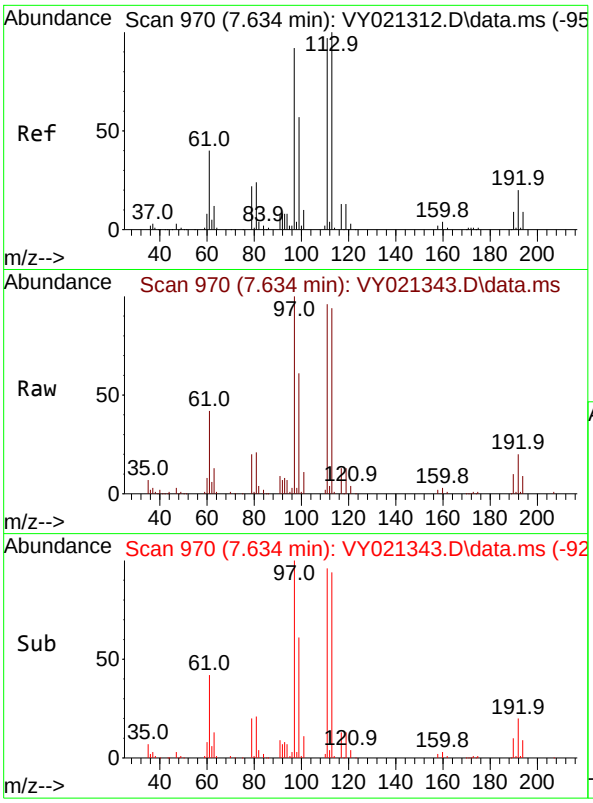


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:114 Resp: 223153

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.2
88	15.2	0.0	29.8



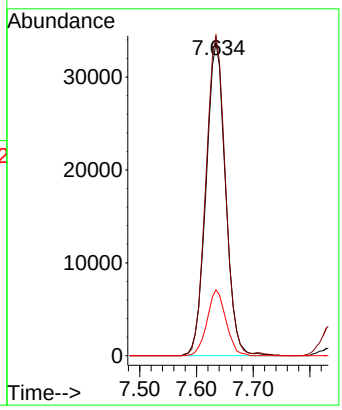


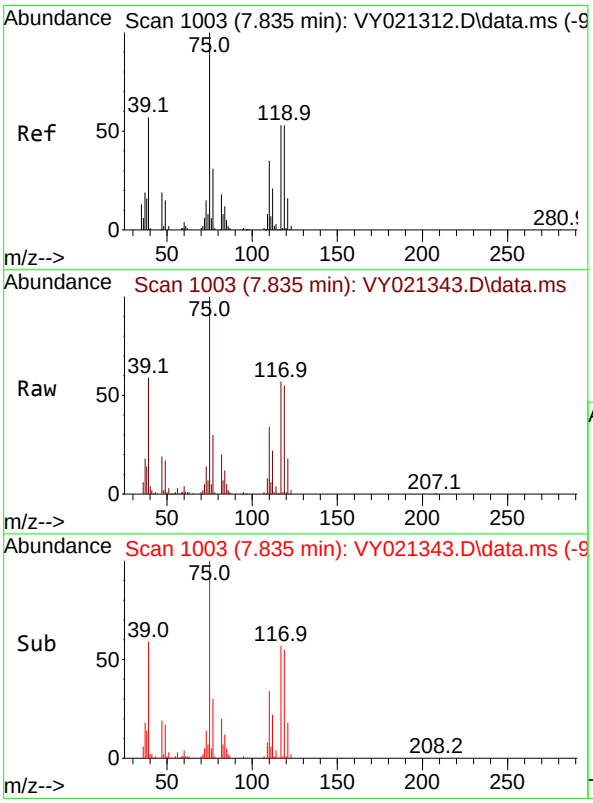
#35
Dibromofluoromethane
Concen: 54.952 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:113 Resp: 80395

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.6
192	20.4	15.8	23.8

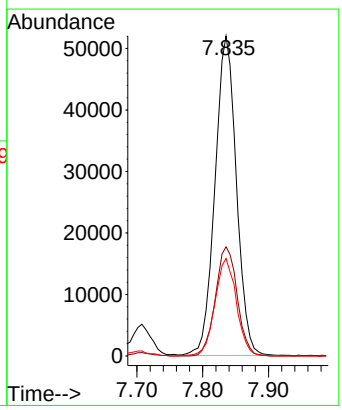


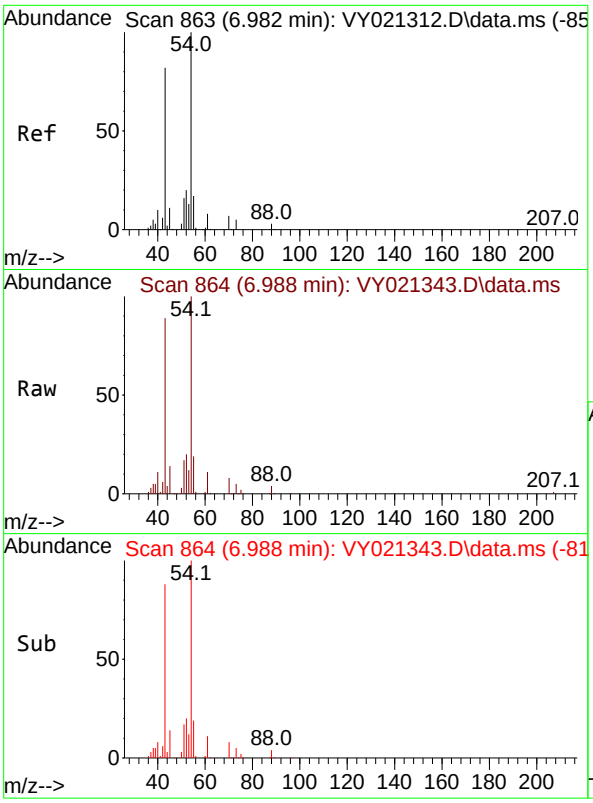


#36
1,1-Dichloropropene
Concen: 53.579 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 117746

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.7
77	30.7	24.6	36.8



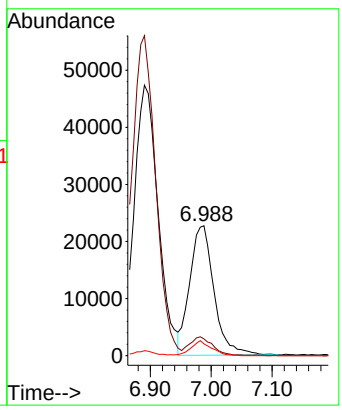


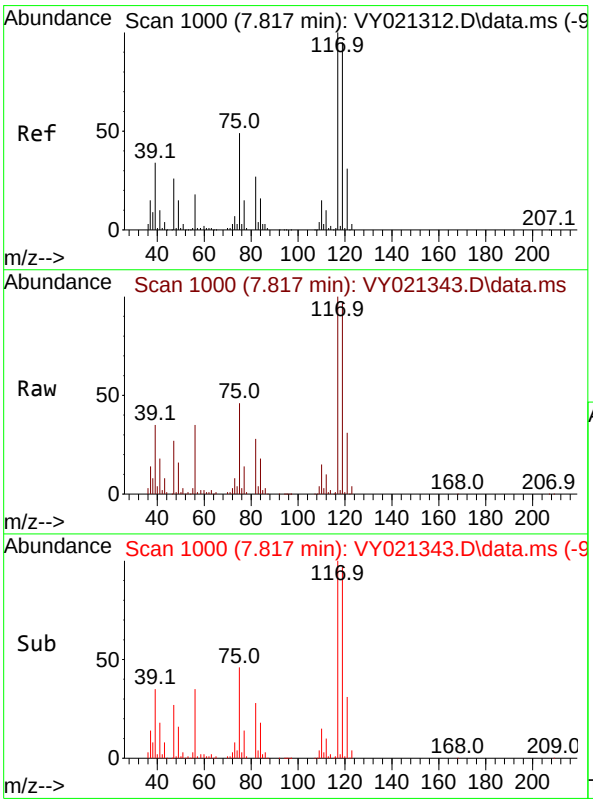
#37
Ethyl Acetate
Concen: 57.519 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 43 Resp: 62877

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.6	7.5	11.3

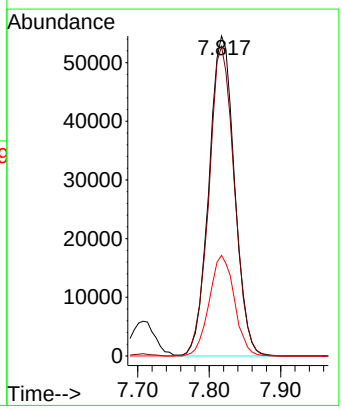


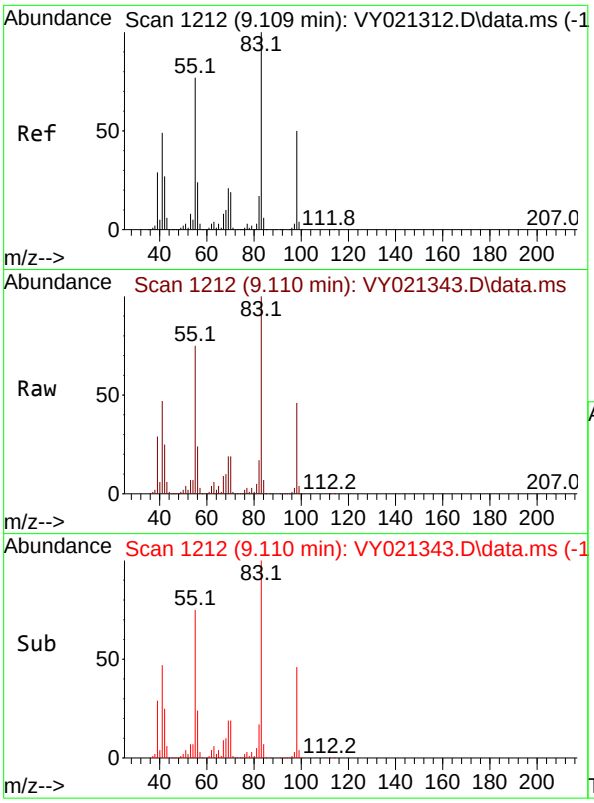


#38
Carbon Tetrachloride
Concen: 54.629 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:117 Resp: 134965

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.0	114.0
121	31.4	24.9	37.3



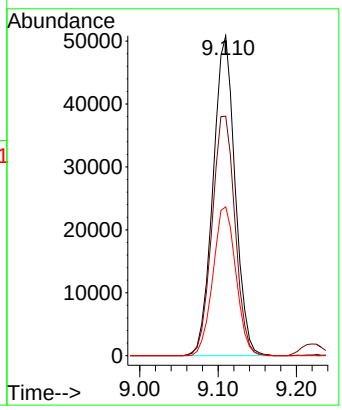


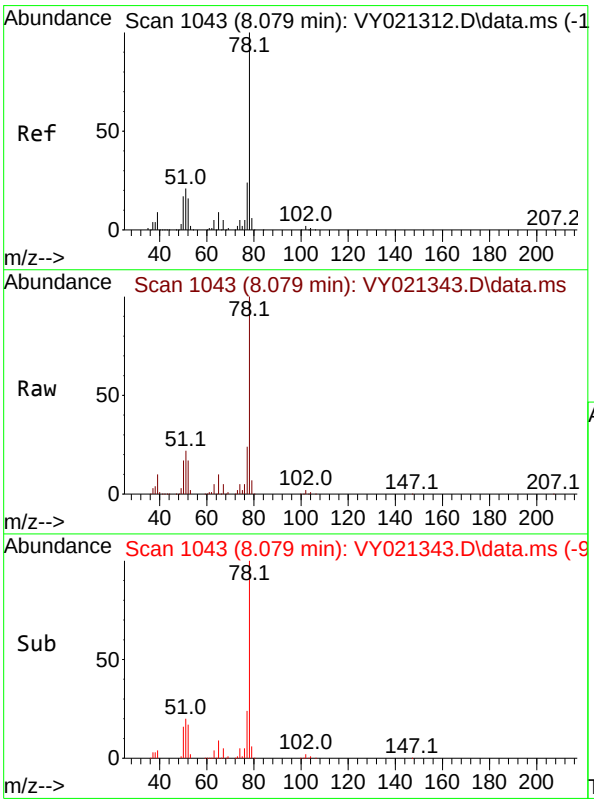
#39
Methylcyclohexane
Concen: 35.756 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 83 Resp: 99386

Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.3	91.9
98	46.5	39.9	59.9

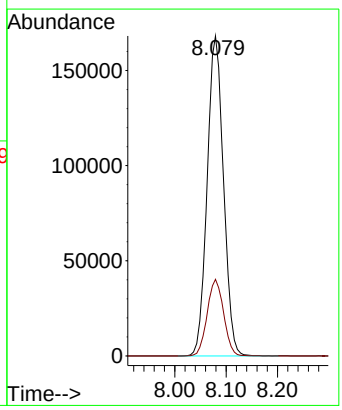


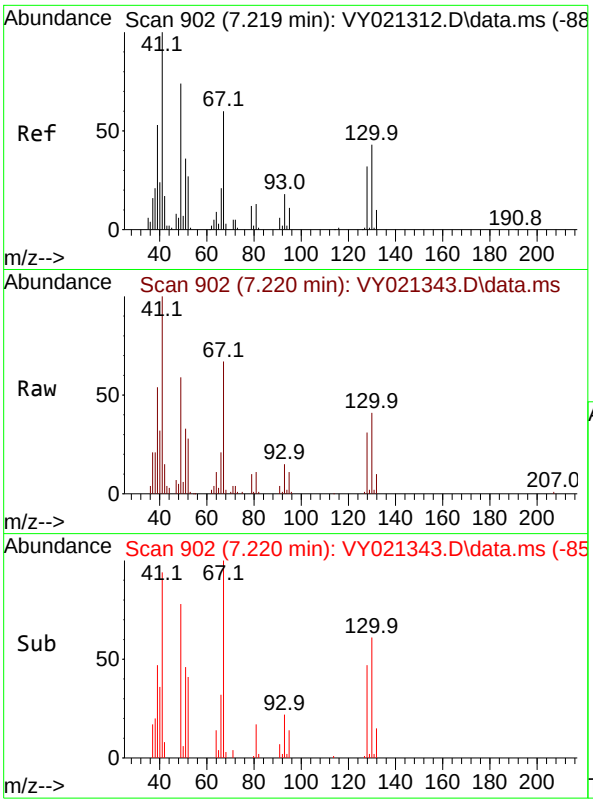


#40
Benzene
Concen: 57.020 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 78 Resp: 370415

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8



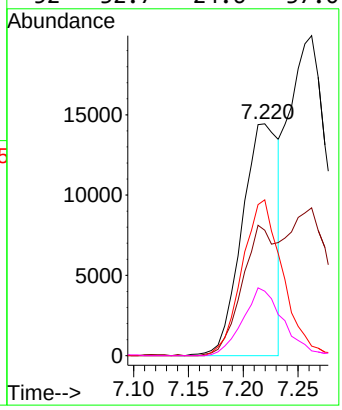


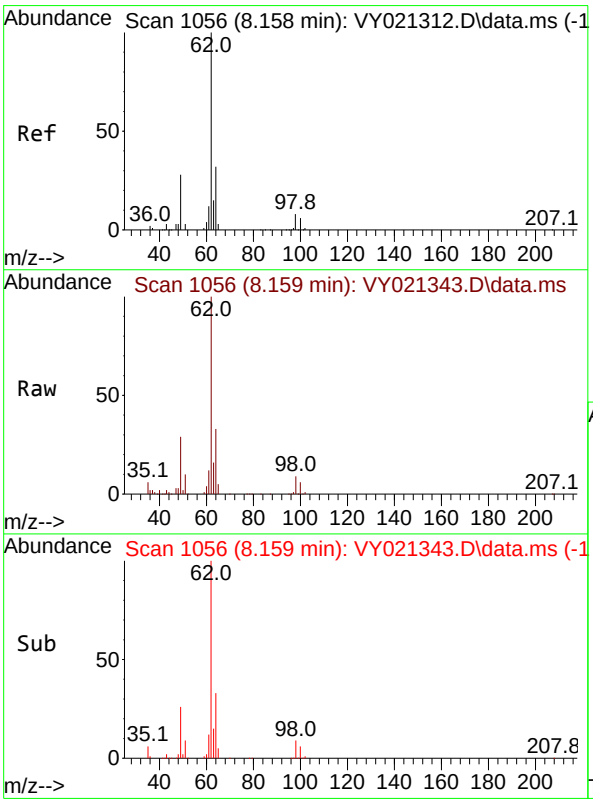
#41
Methacrylonitrile
Concen: 54.467 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 41 Resp: 33290

Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.3	63.5
67	75.4	54.8	82.2
52	32.7	24.6	37.0

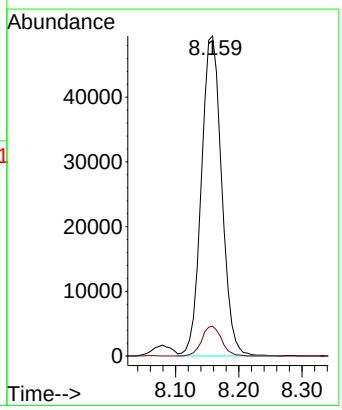


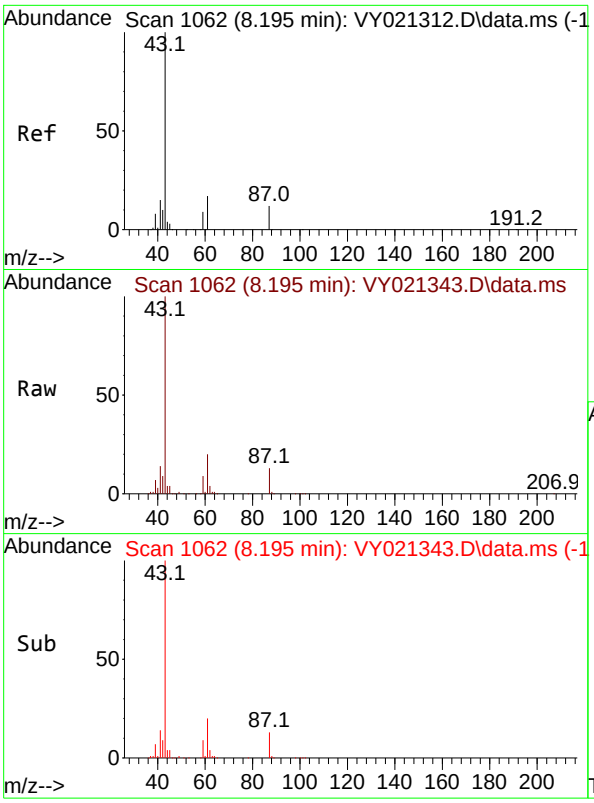


#42
1,2-Dichloroethane
Concen: 60.018 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 62 Resp: 110620

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



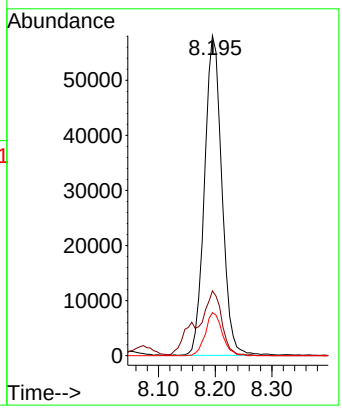


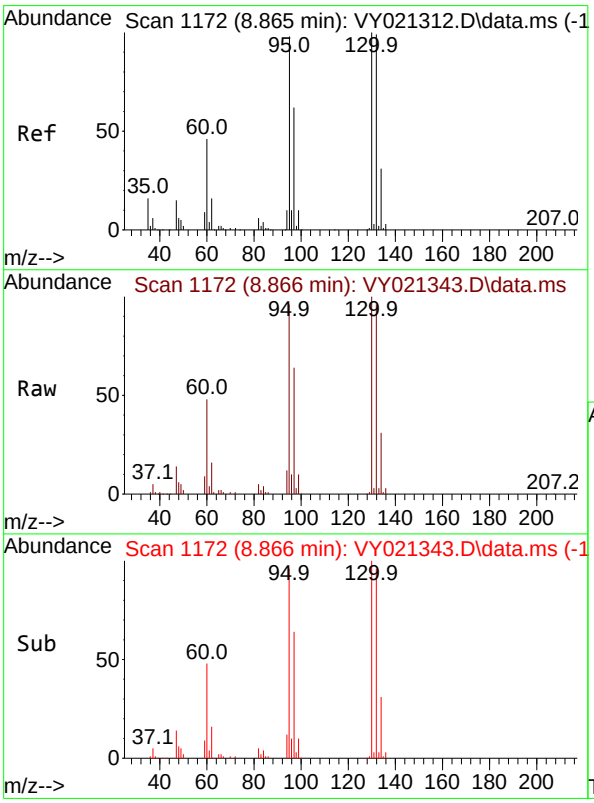
#43
Isopropyl Acetate
Concen: 58.355 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 43 Resp: 123473

Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.0	22.6
87	13.1	10.0	15.0

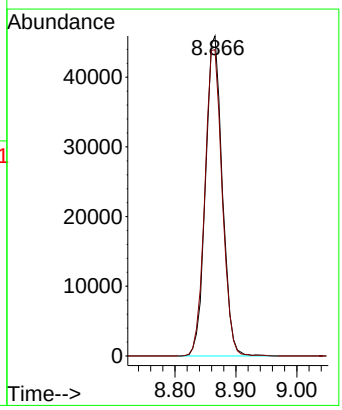


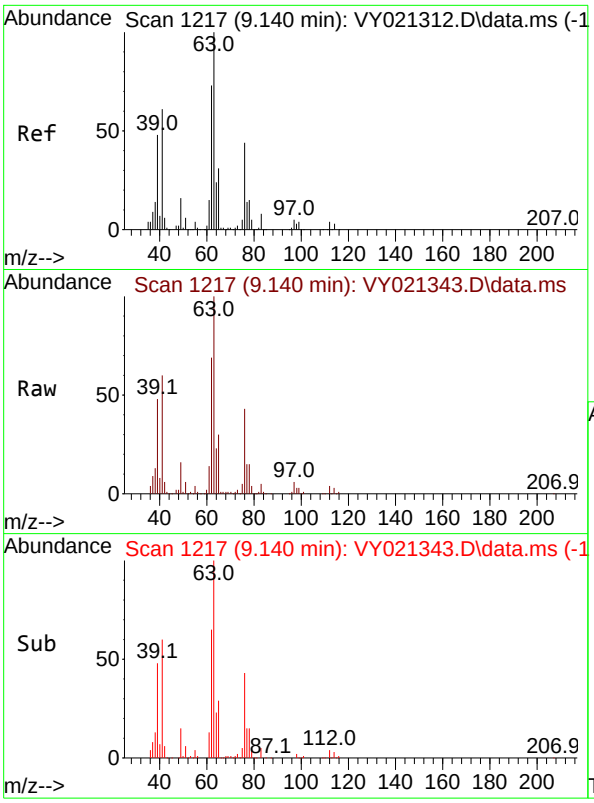


#44
Trichloroethene
Concen: 54.054 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:130 Resp: 87915

Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	196.0



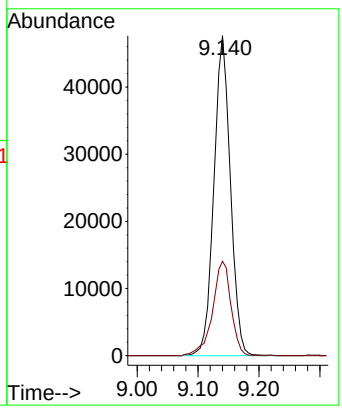


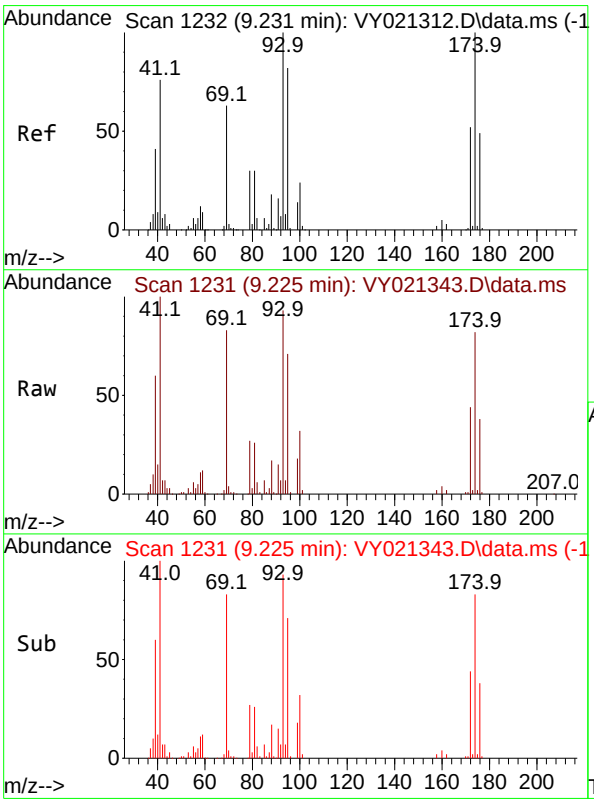
#45
1,2-Dichloropropane
Concen: 57.336 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 63 Resp: 89636

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	36.8

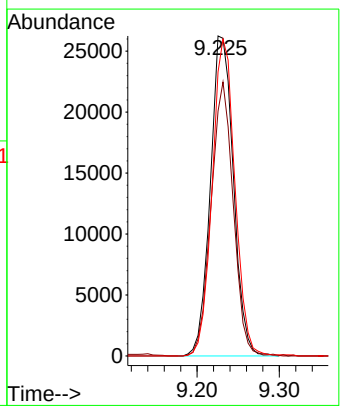


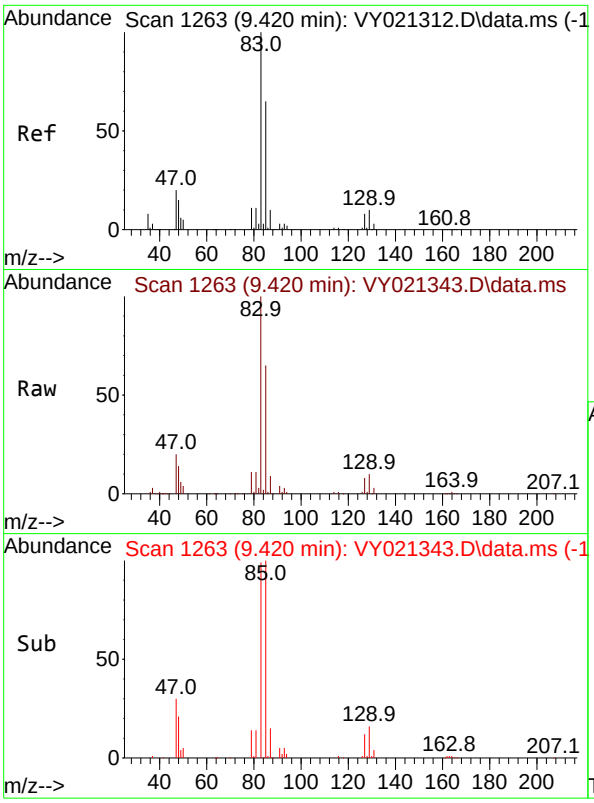


#46
Dibromomethane
Concen: 59.869 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 93 Resp: 51162

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.4	99.6
174	97.6	78.2	117.2



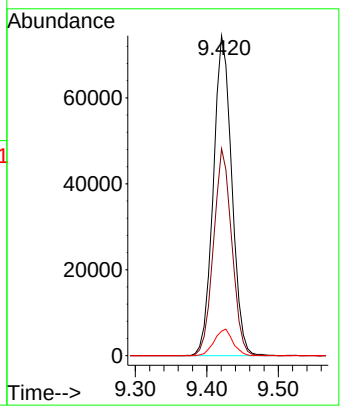


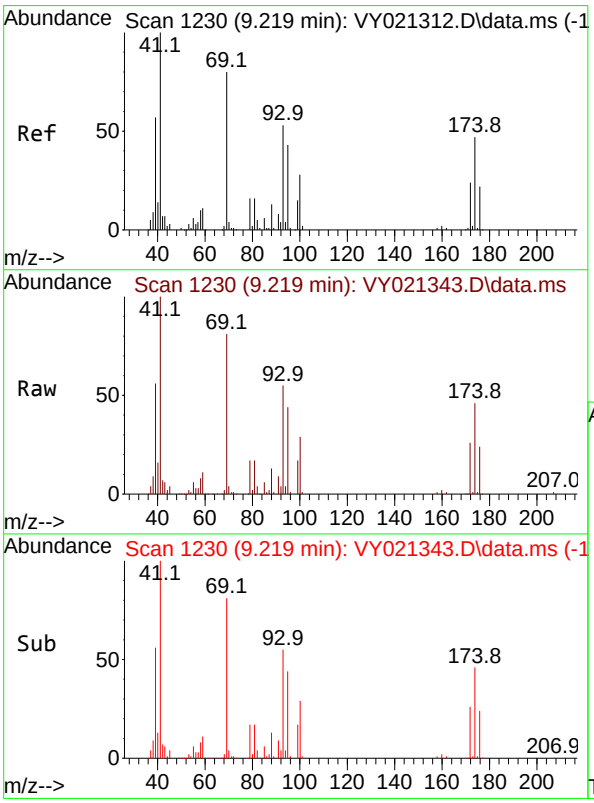
#47
Bromodichloromethane
Concen: 58.623 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 83 Resp: 133577

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	7.6	6.7	10.1

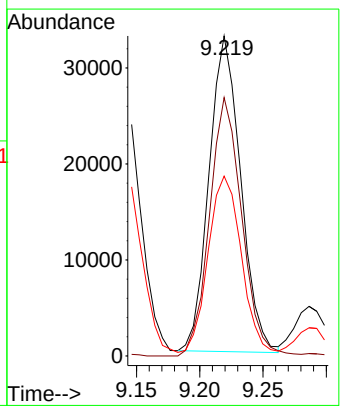


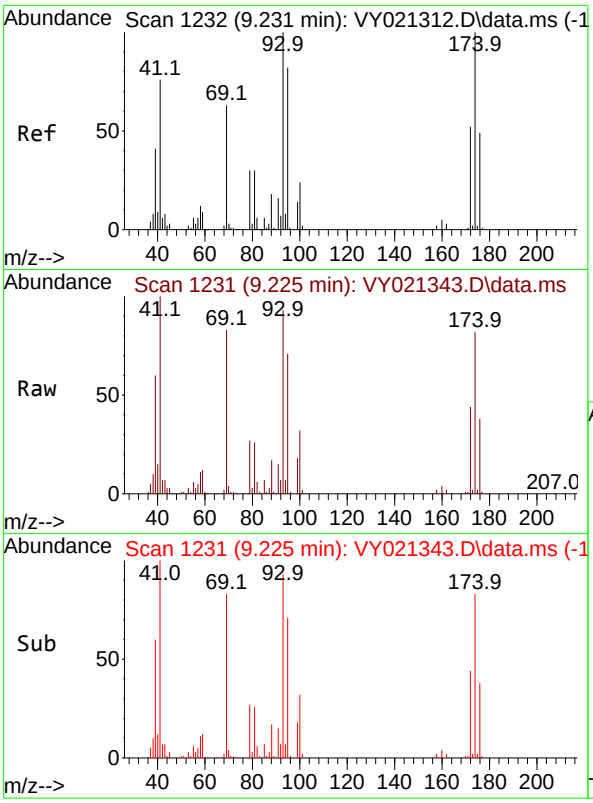


#48
Methyl methacrylate
Concen: 57.838 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 41 Resp: 57228

Ion	Ratio	Lower	Upper
41	100		
69	83.4	63.3	94.9
39	60.5	45.0	67.6



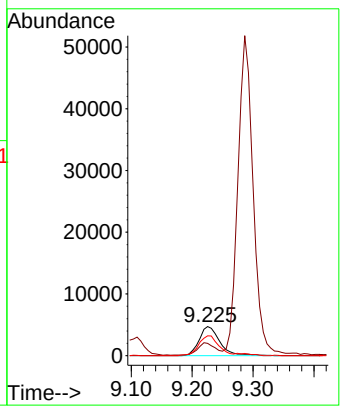


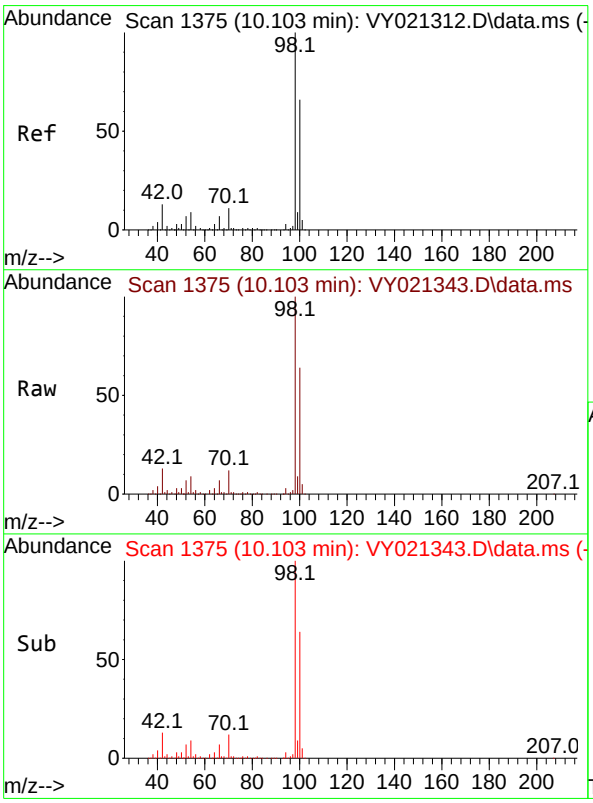
#49
1,4-Dioxane
Concen: 1173.970 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 88 Resp: 11155

Ion	Ratio	Lower	Upper
88	100		
43	35.8	34.8	52.2
58	65.7	59.8	89.6

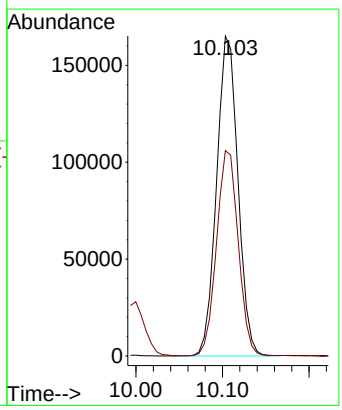


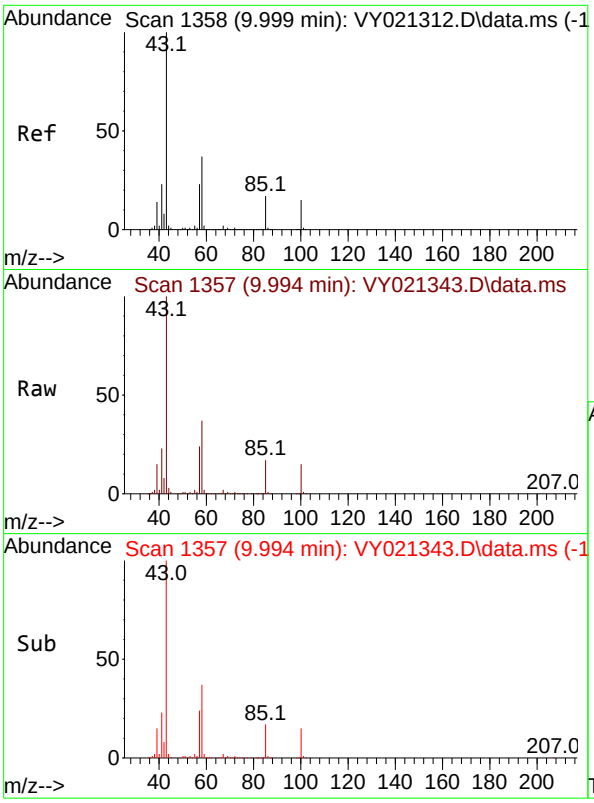


#50
Toluene-d8
Concen: 50.054 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 98 Resp: 283014

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6



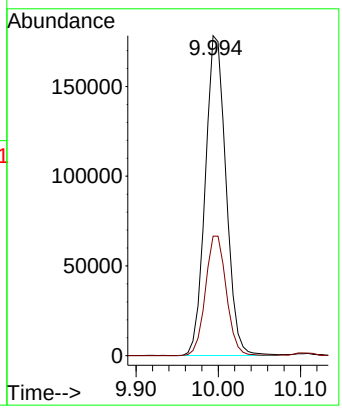


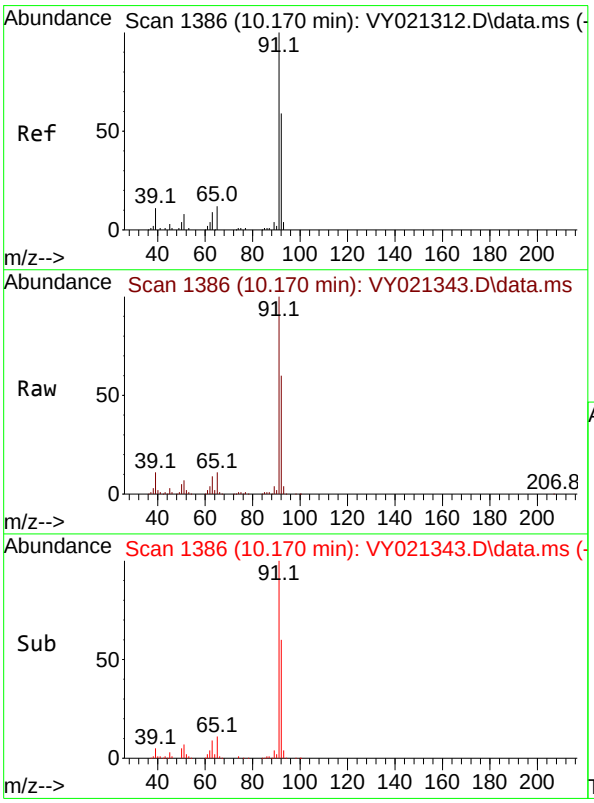
#51
4-Methyl-2-Pentanone
Concen: 288.673 ug/l
RT: 9.994 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 43 Resp: 312663

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1

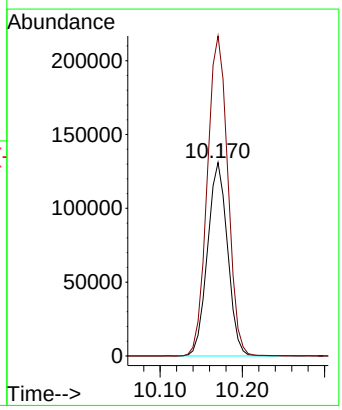


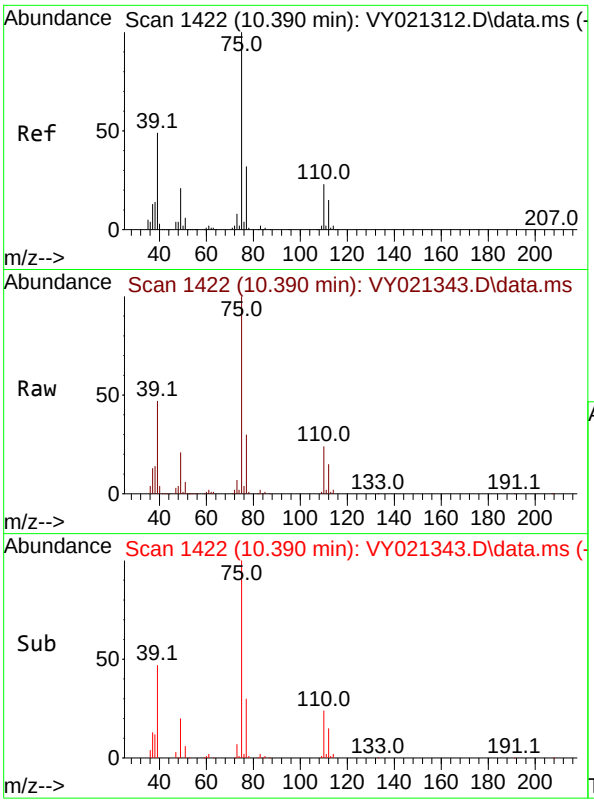


#52
Toluene
Concen: 54.864 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 92 Resp: 221413

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.8	206.8



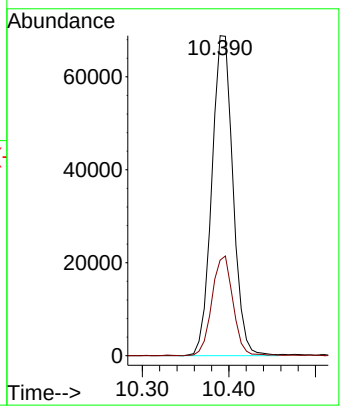


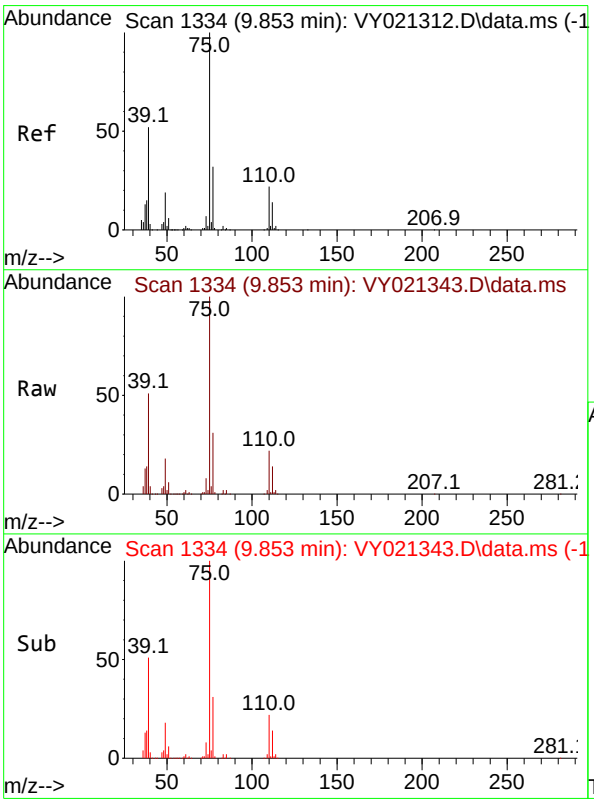
#53
t-1,3-Dichloropropene
Concen: 55.924 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 75 Resp: 116747

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.3	37.9

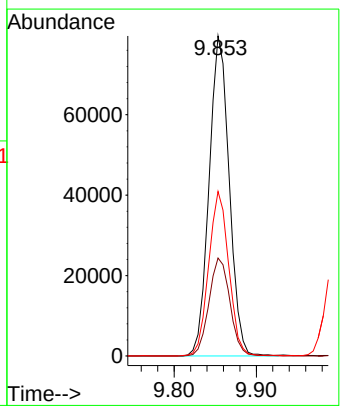


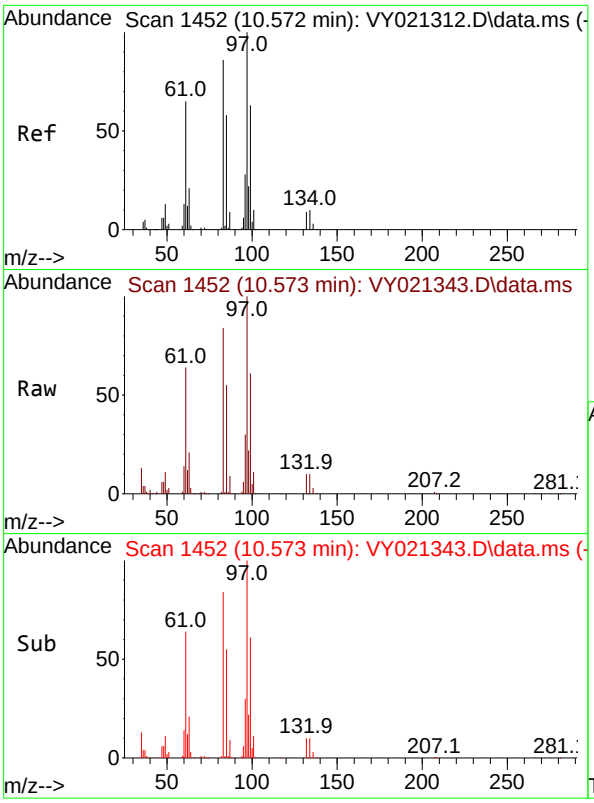


#54
cis-1,3-Dichloropropene
Concen: 54.941 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 135402

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.7	38.5
39	51.4	41.8	62.6



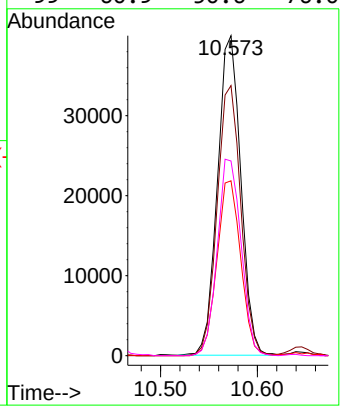


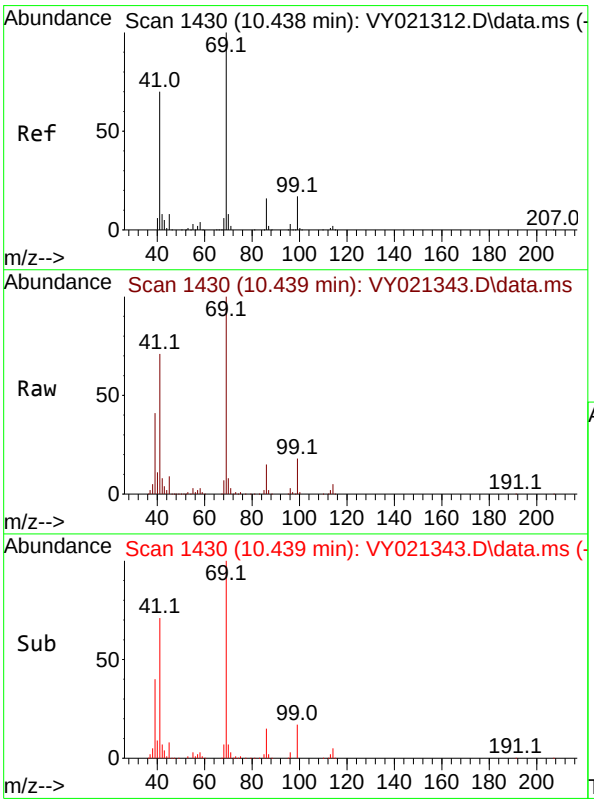
#55
1,1,2-Trichloroethane
Concen: 60.042 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 97 Resp: 66842

Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.7	103.1
85	54.7	46.3	69.5
99	60.9	50.6	76.0

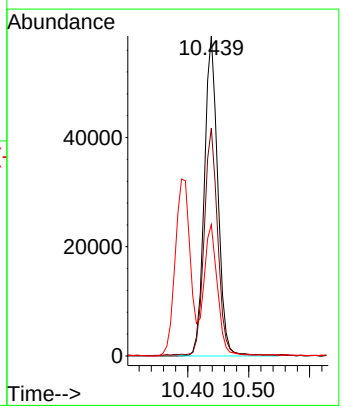


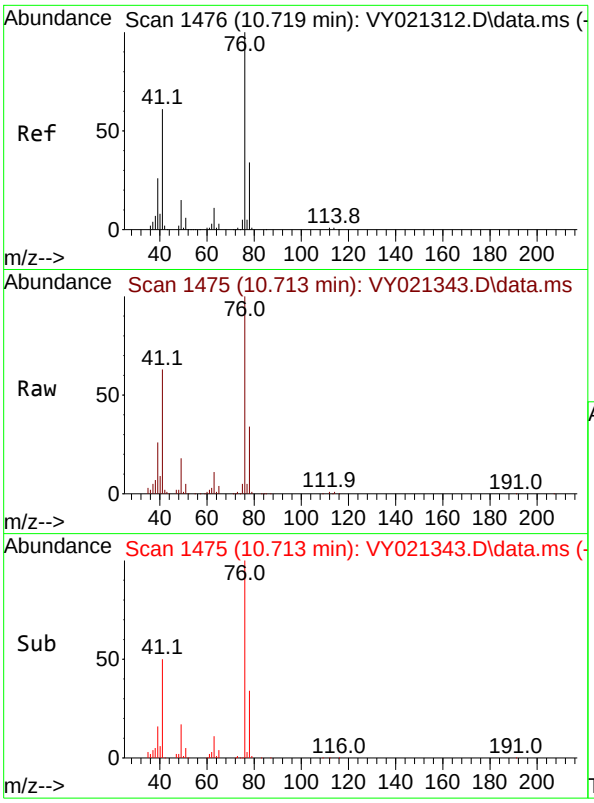


#56
Ethyl methacrylate
Concen: 58.621 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 69 Resp: 90173

Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.2	84.4
39	40.8	32.7	49.1



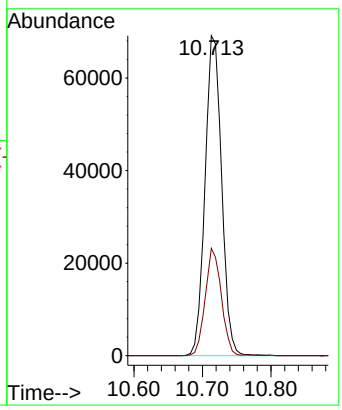


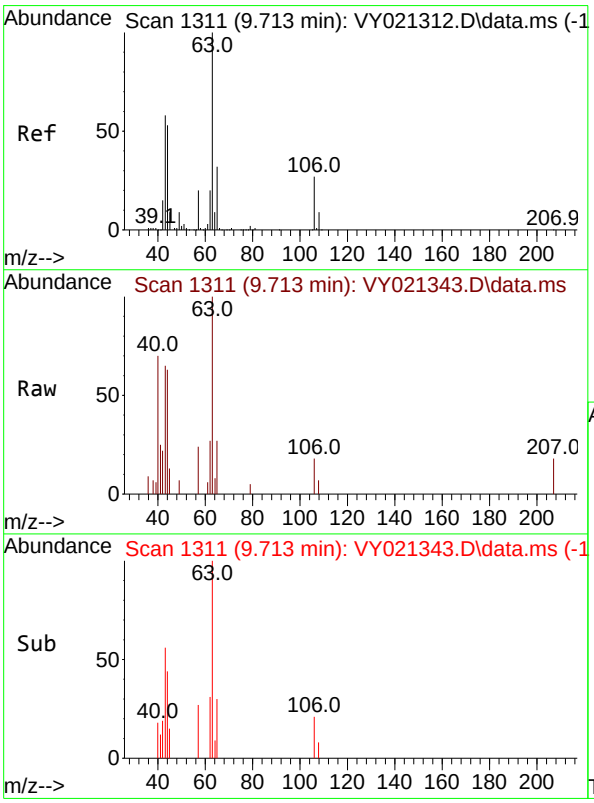
#57
1,3-Dichloropropane
Concen: 59.579 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 76 Resp: 116388

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

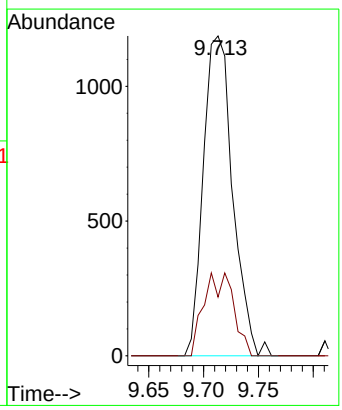


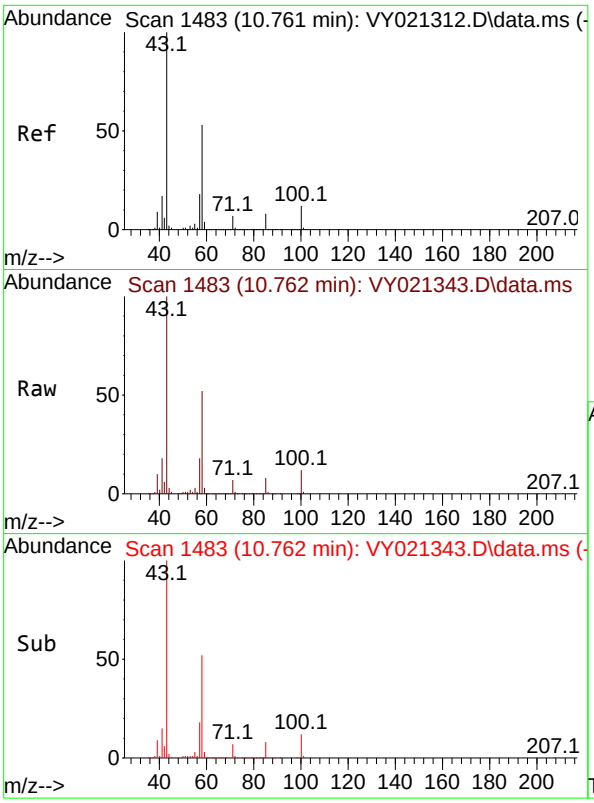


#58
2-Chloroethyl Vinyl ether
Concen: 2.999 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 63 Resp: 2214

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.7	32.5



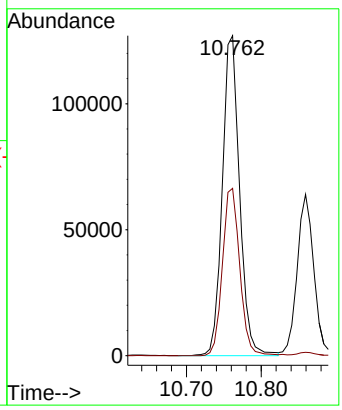


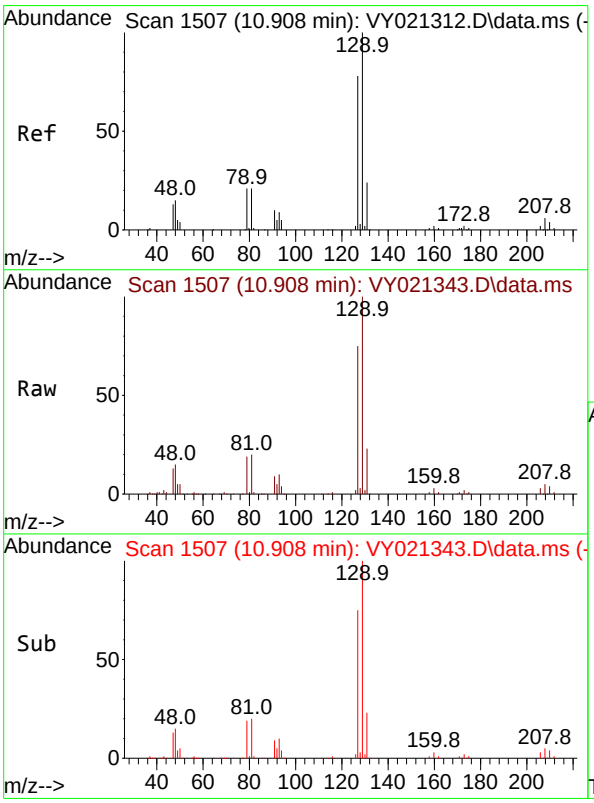
#59
2-Hexanone
Concen: 286.754 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 43 Resp: 203976

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

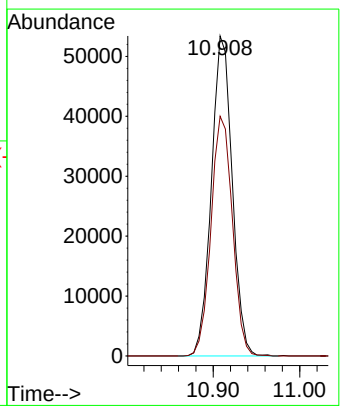


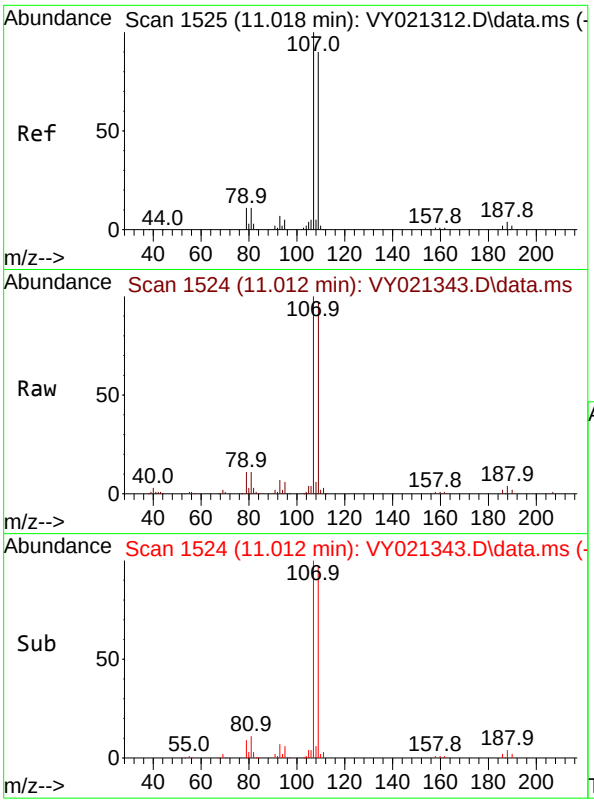


#60
Dibromochloromethane
Concen: 58.817 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:129 Resp: 89178

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.8	116.4



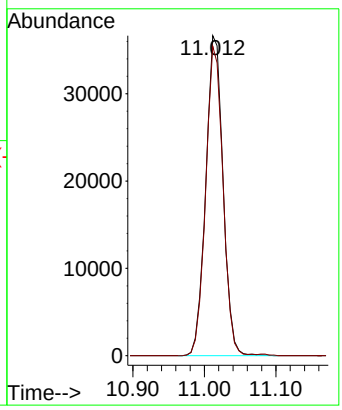


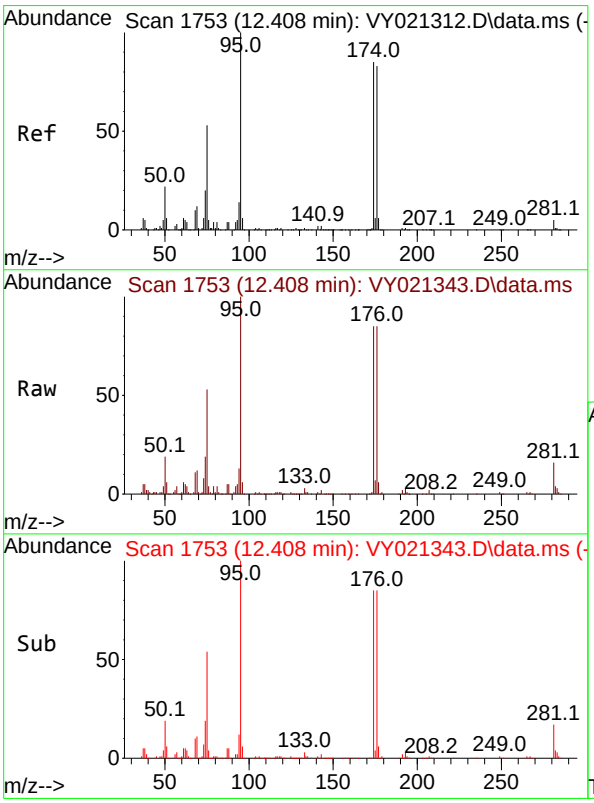
#61
1,2-Dibromoethane
Concen: 58.408 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:107 Resp: 61559

Ion	Ratio	Lower	Upper
107	100		
109	96.6	73.8	110.8

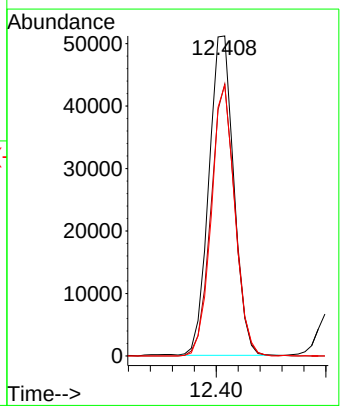


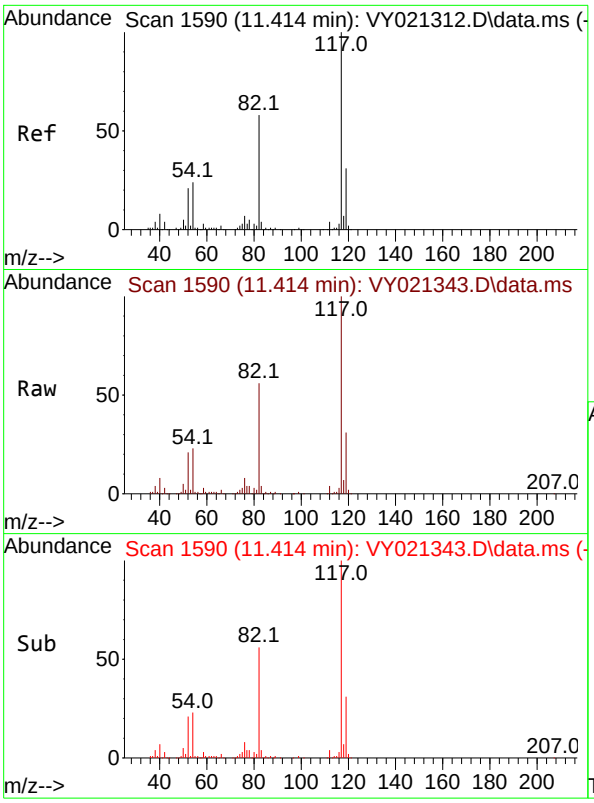


#62
4-Bromofluorobenzene
Concen: 42.399 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 95 Resp: 80680

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	168.0
176	79.9	0.0	162.6



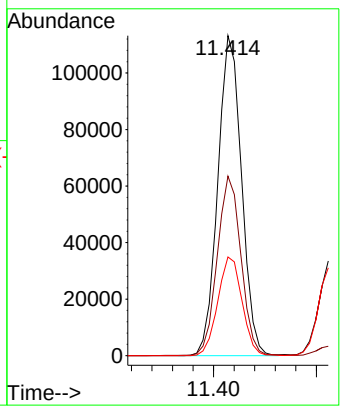


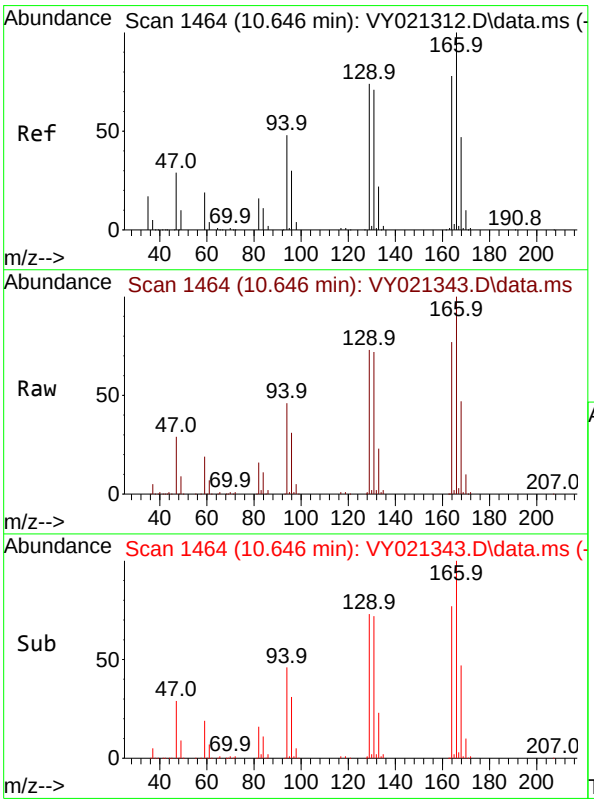
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:117 Resp: 181056

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.2	69.4
119	30.8	24.9	37.3

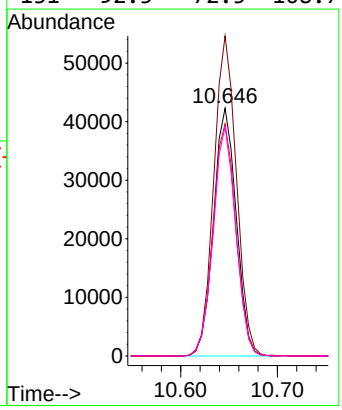


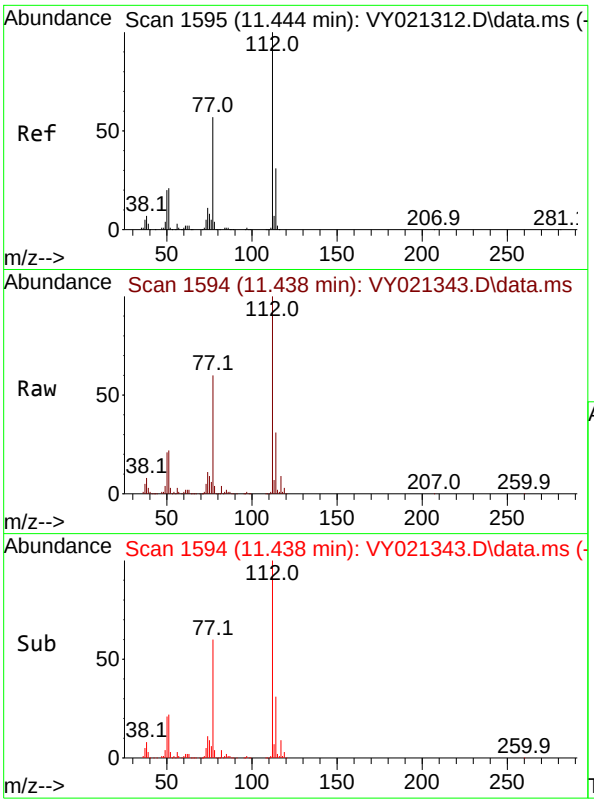


#64
Tetrachloroethene
Concen: 50.502 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:164 Resp: 69112

Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.9	152.9
129	93.7	75.5	113.3
131	92.5	72.5	108.7



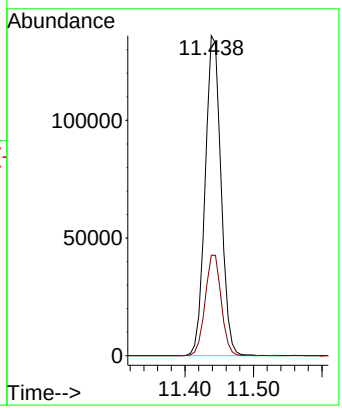


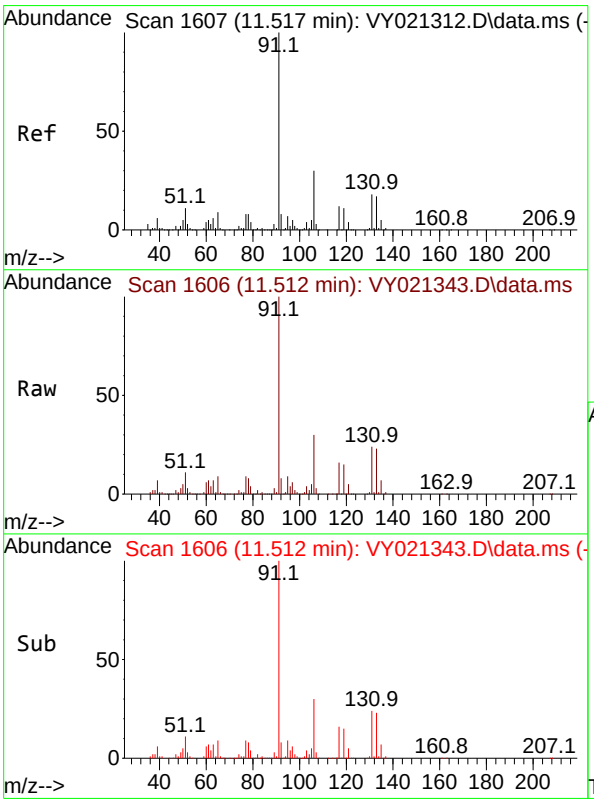
#65
Chlorobenzene
Concen: 53.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:112 Resp: 218806

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6

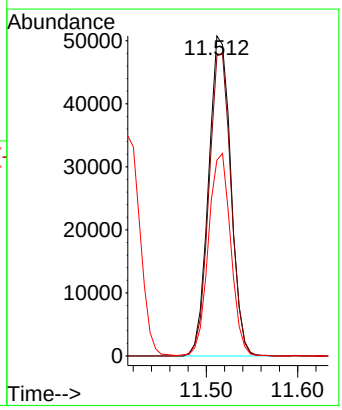


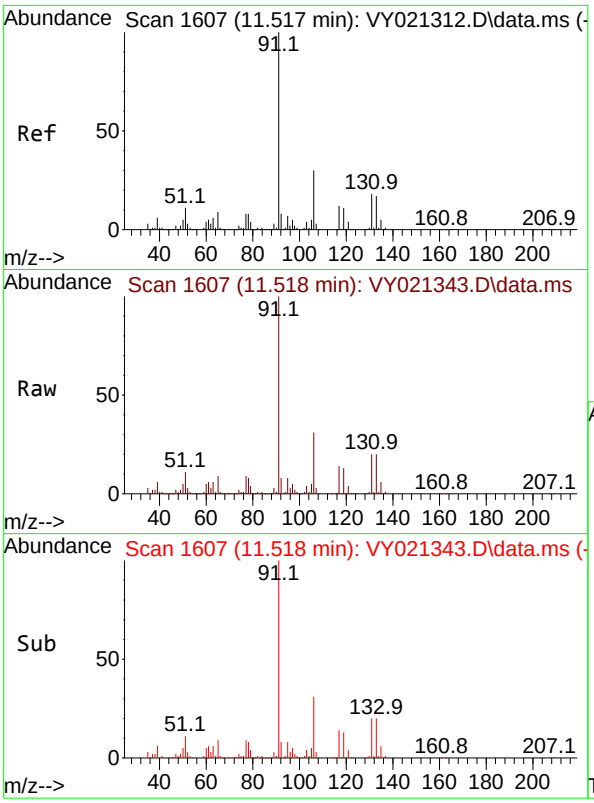


#66
1,1,1,2-Tetrachloroethane
Concen: 60.072 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:131 Resp: 85488

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.9	143.6
119	63.7	31.7	95.1



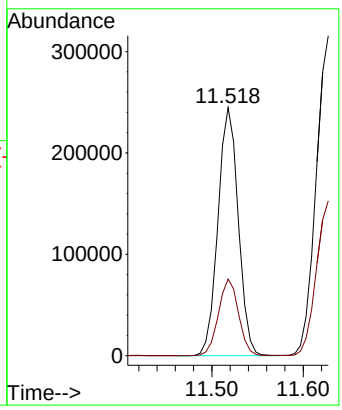


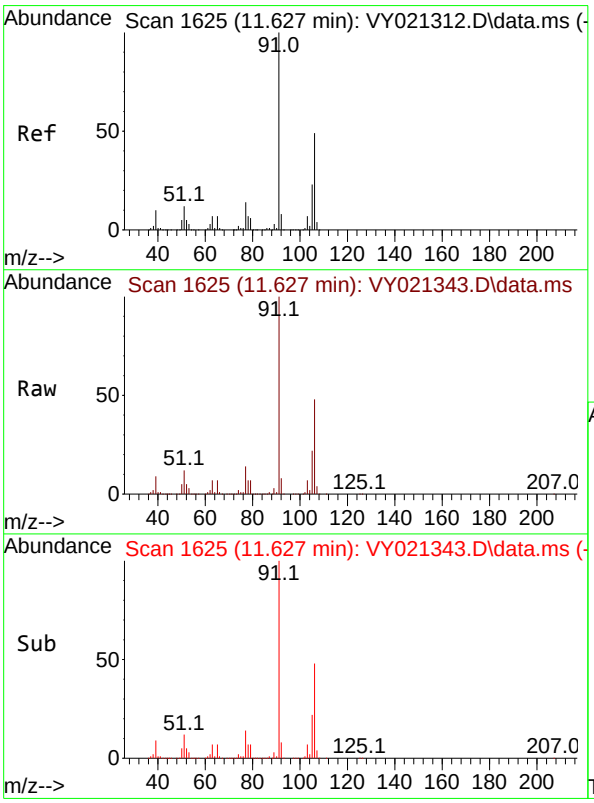
#67
Ethyl Benzene
Concen: 52.490 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 91 Resp: 377872

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.4	36.6

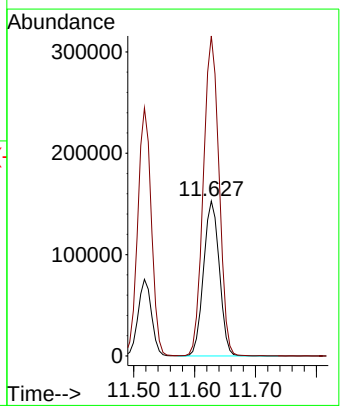


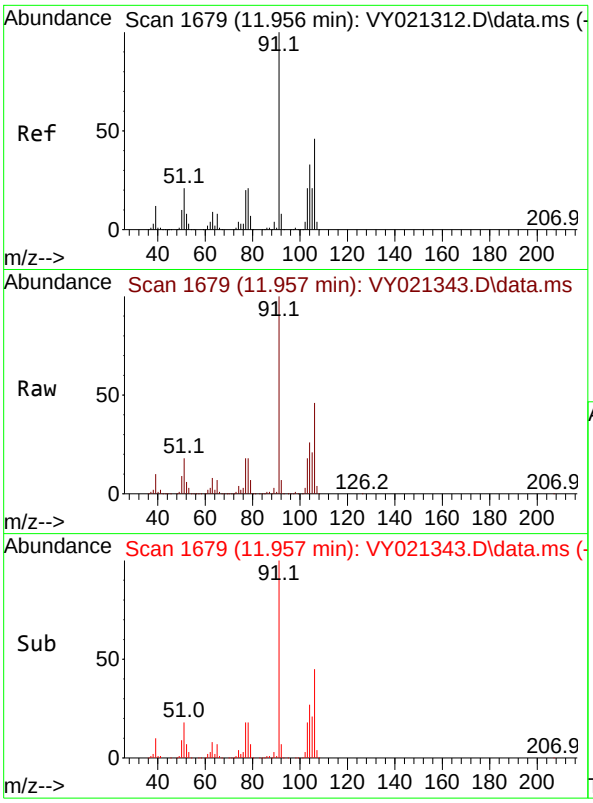


#68
m/p-Xylenes
Concen: 101.683 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:106 Resp: 275336

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.9	245.9



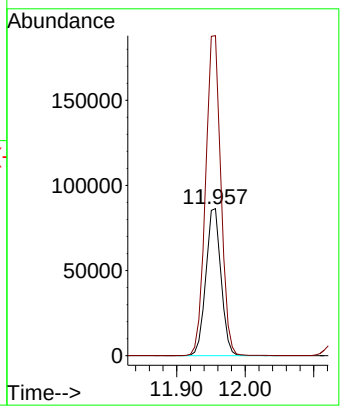


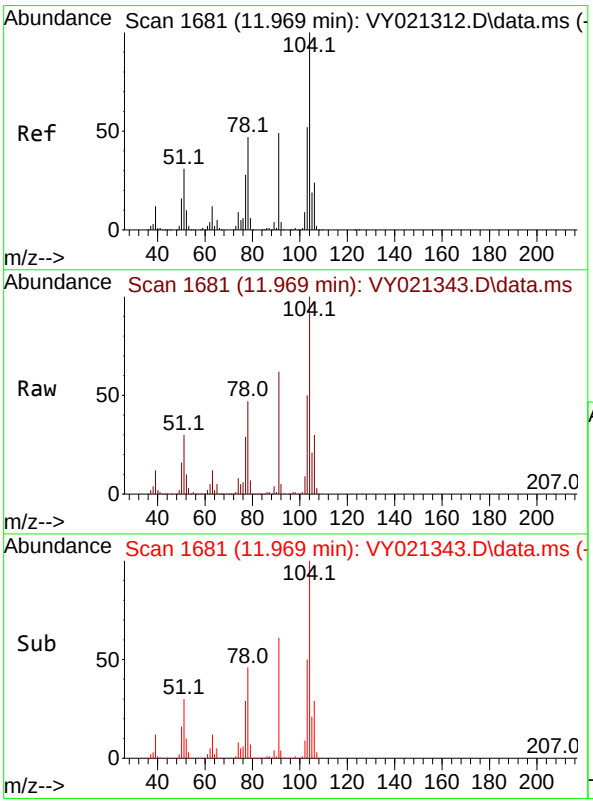
#69
o-Xylene
Concen: 52.462 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:106 Resp: 133078

Ion	Ratio	Lower	Upper
106	100		
91	219.5	108.1	324.2

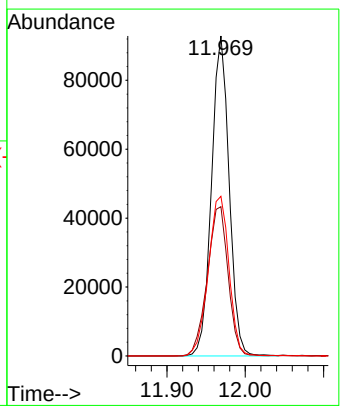


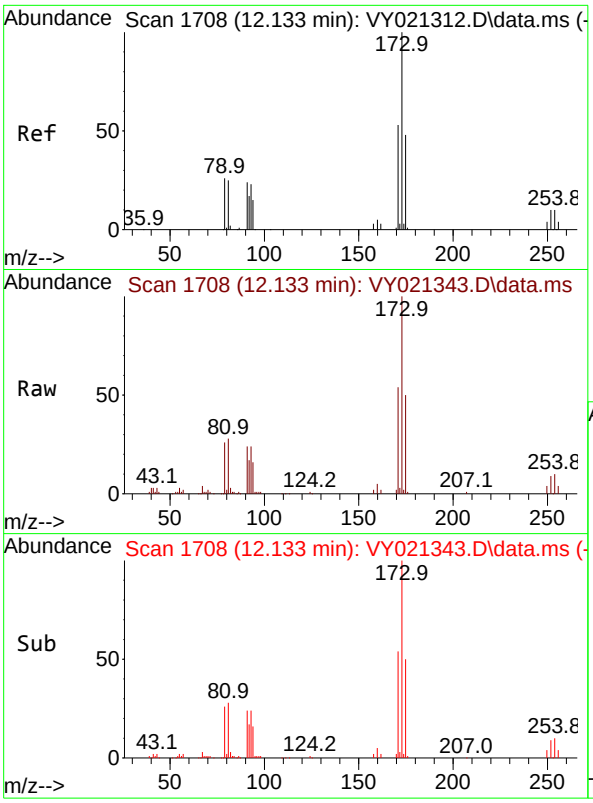


#70
Styrene
Concen: 34.461 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:104 Resp: 145442

Ion	Ratio	Lower	Upper
104	100		
78	55.0	41.3	61.9
103	58.5	43.9	65.9



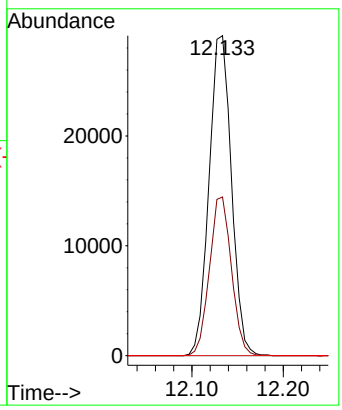


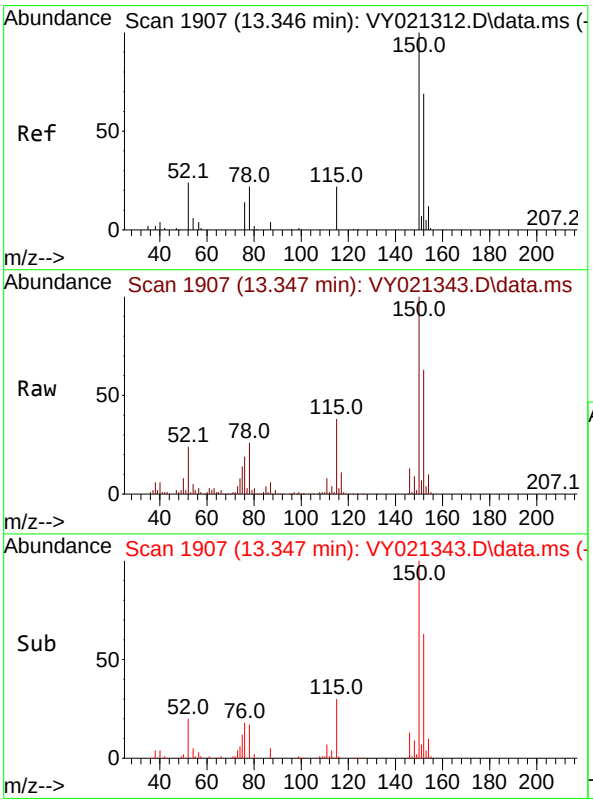
#71
Bromoform
Concen: 60.778 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:173 Resp: 49481

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.1	0.1#

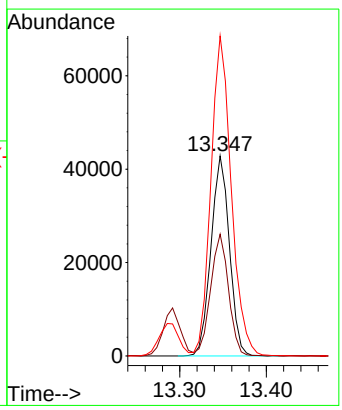


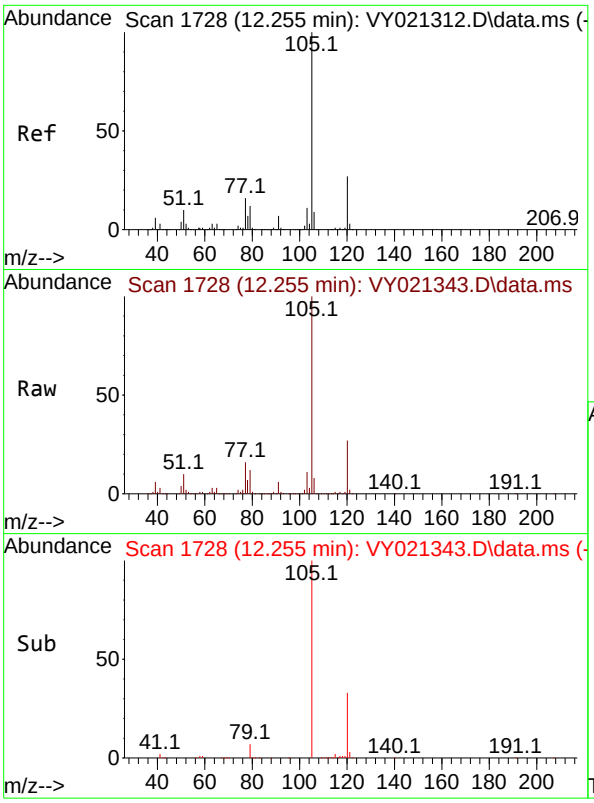


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:152 Resp: 63404

Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.3	88.0
150	177.1	0.0	347.4



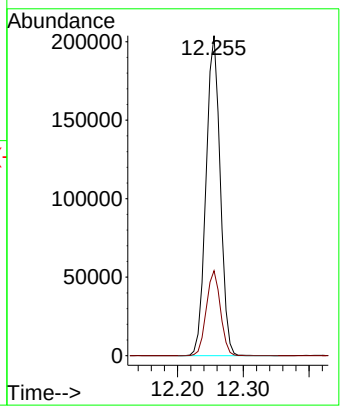


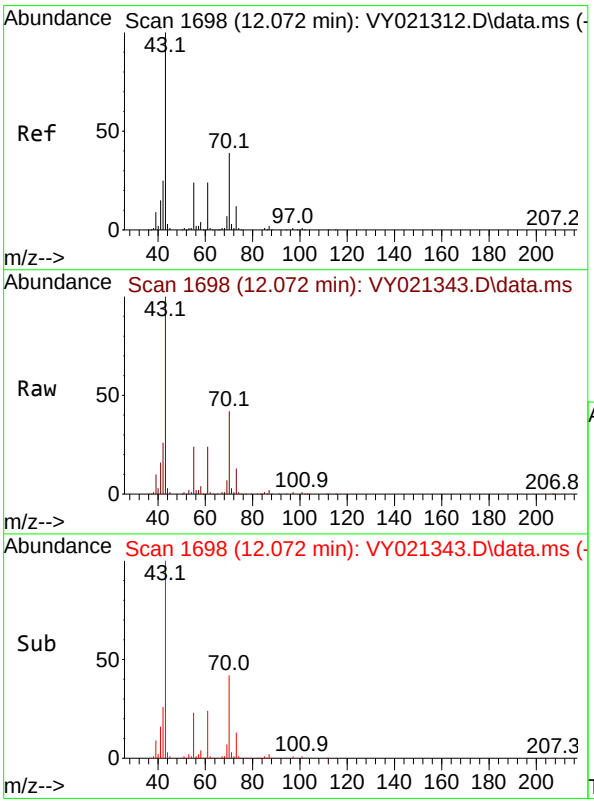
#73
Isopropylbenzene
Concen: 64.183 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:105 Resp: 305940

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8

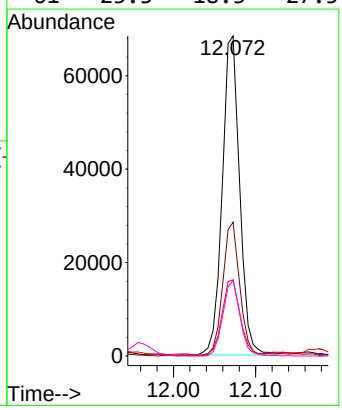


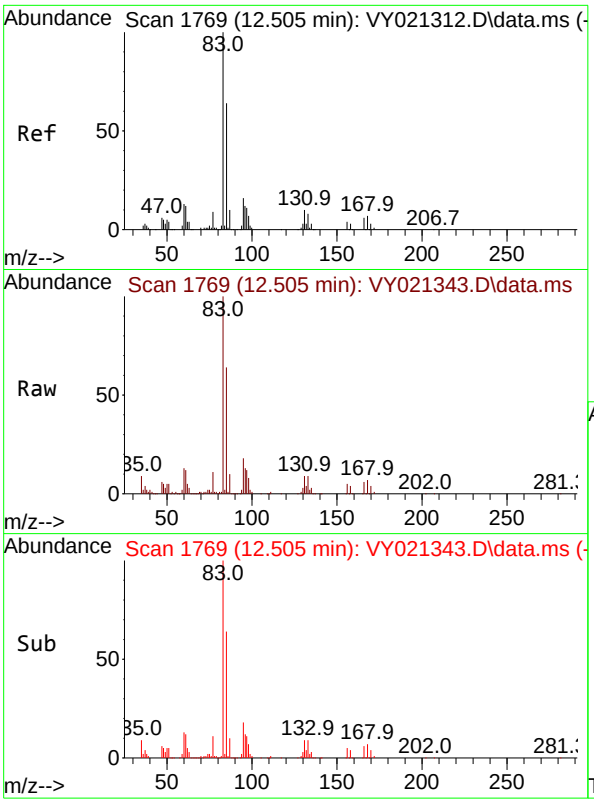


#74
N-amyl acetate
Concen: 83.194 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 43 Resp: 100797

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	24.8	19.6	29.4
61	23.3	18.3	27.5



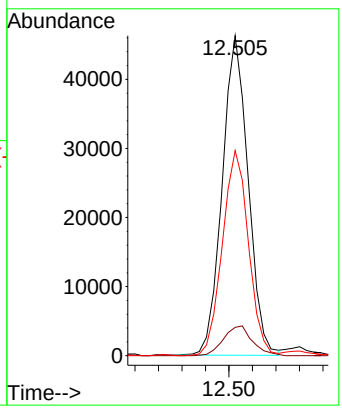


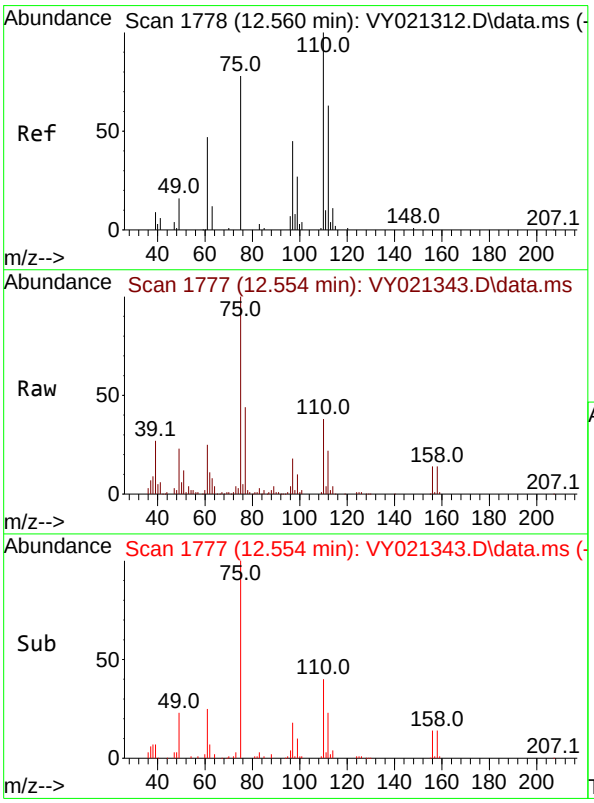
#75
1,1,2,2-Tetrachloroethane
Concen: 84.177 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 83 Resp: 70814

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.6	32.0	96.0

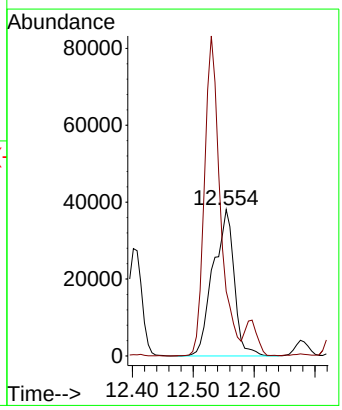


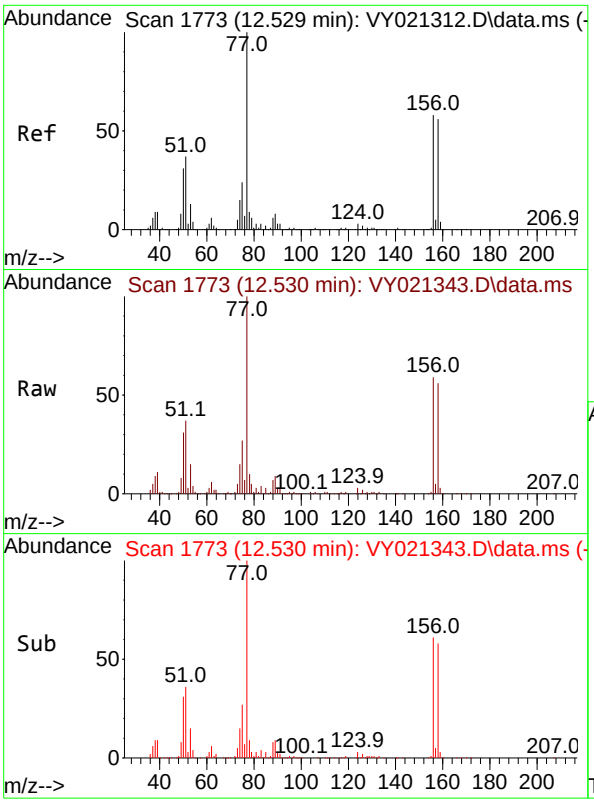


#76
1,2,3-Trichloropropane
Concen: 144.078 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 91438

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



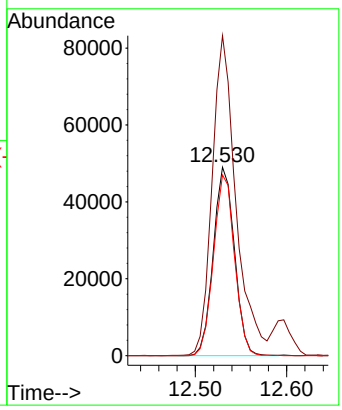


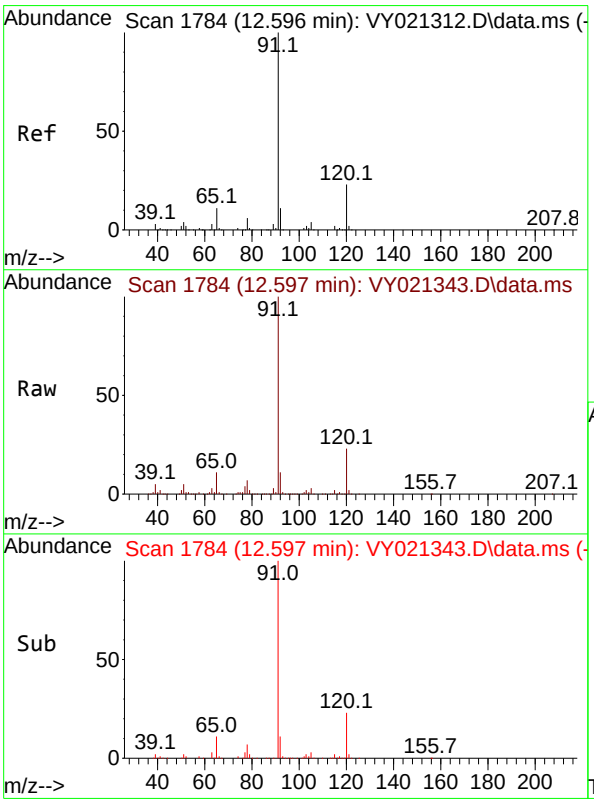
#77
Bromobenzene
Concen: 71.126 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:156 Resp: 78858

Ion	Ratio	Lower	Upper
156	100		
77	190.9	94.0	282.1
158	95.4	48.7	146.1

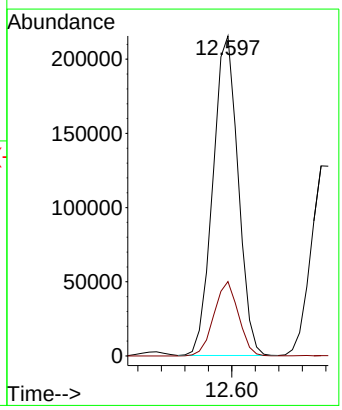


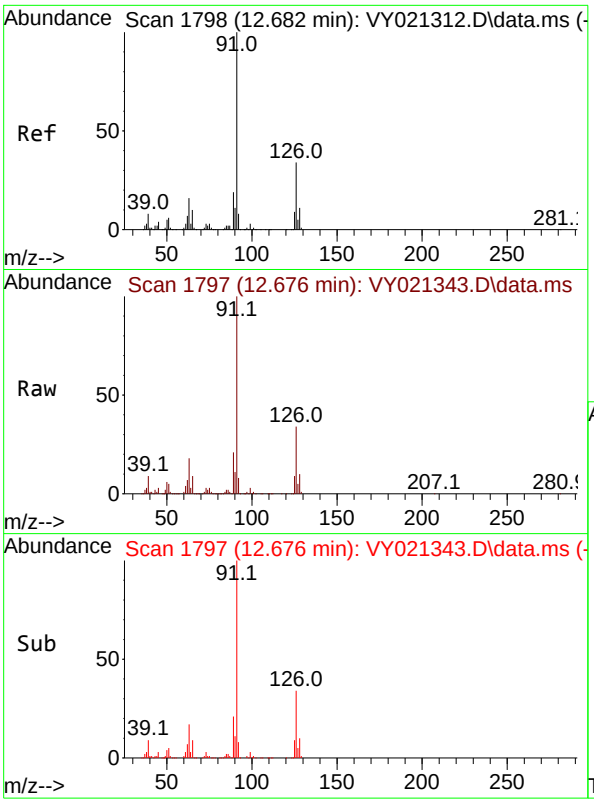


#78
n-propylbenzene
Concen: 55.599 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 91 Resp: 321596

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5



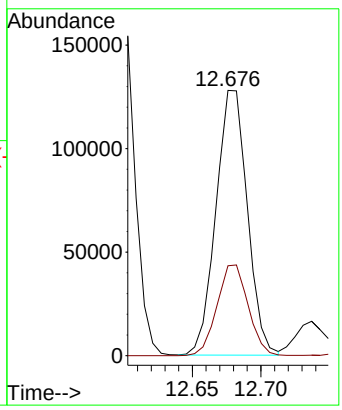


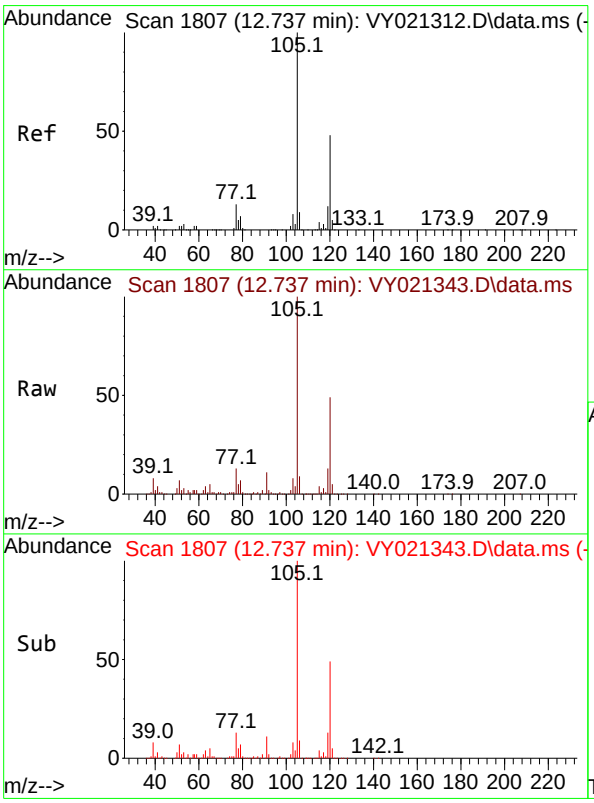
#79
2-Chlorotoluene
Concen: 61.485 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 91 Resp: 204105

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6

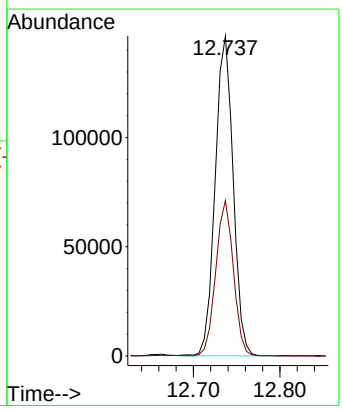


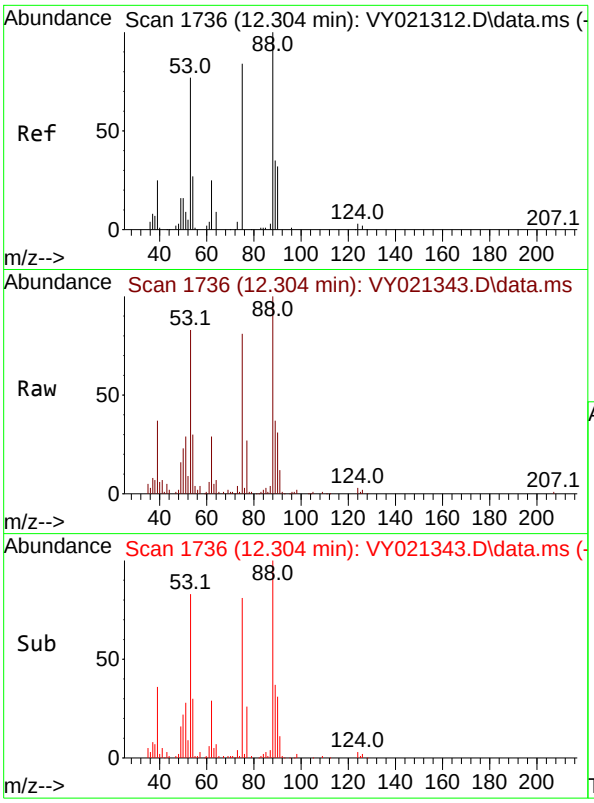


#80
1,3,5-Trimethylbenzene
Concen: 53.862 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:105 Resp: 210571

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0



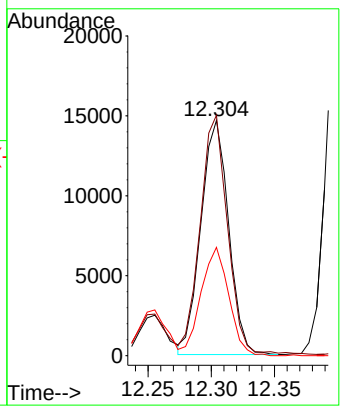


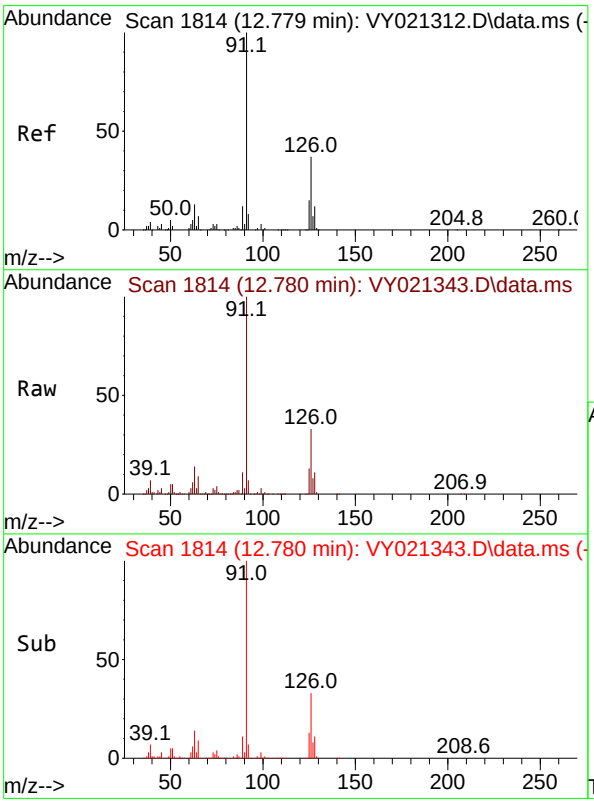
#81
trans-1,4-Dichloro-2-butene
Concen: 78.190 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 75 Resp: 22326

Ion	Ratio	Lower	Upper
75	100		
53	100.9	79.1	118.7
89	46.5	35.6	53.4

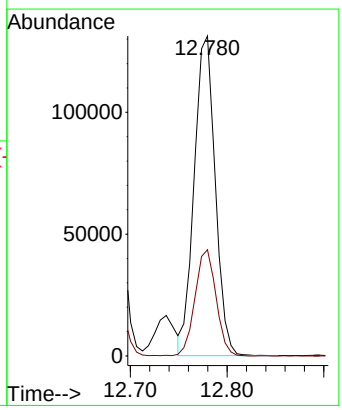


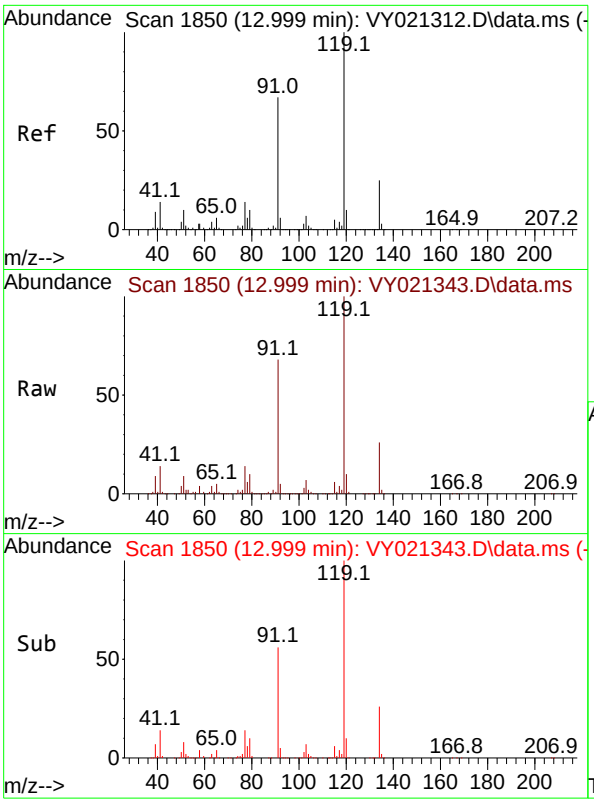


#82
4-Chlorotoluene
Concen: 57.702 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 91 Resp: 198559

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



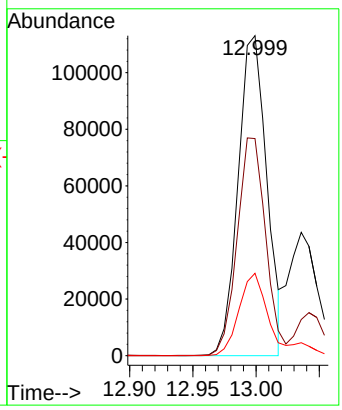


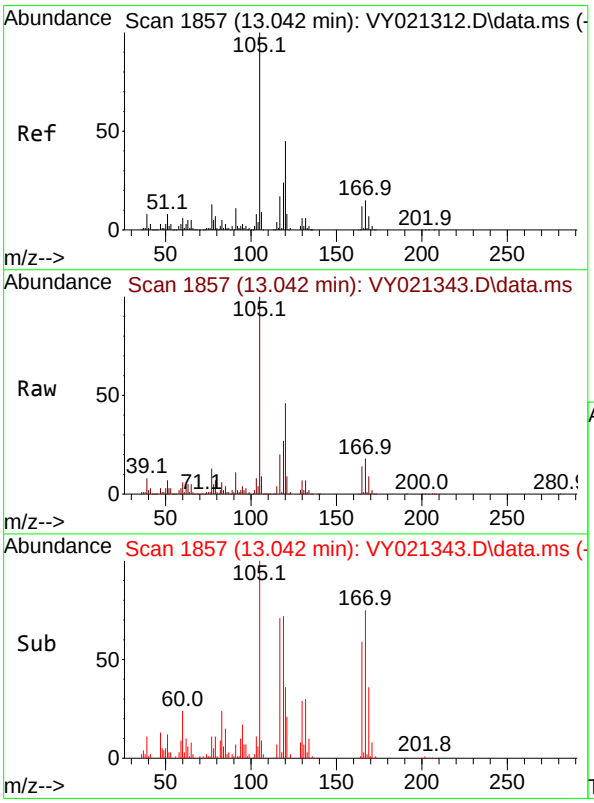
#83
tert-Butylbenzene
Concen: 50.529 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:119 Resp: 178441

Ion	Ratio	Lower	Upper
119	100		
91	67.5	32.7	98.1
134	28.2	13.3	39.9

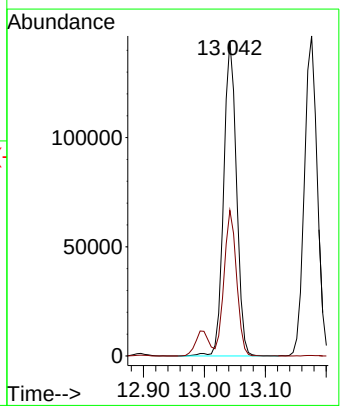


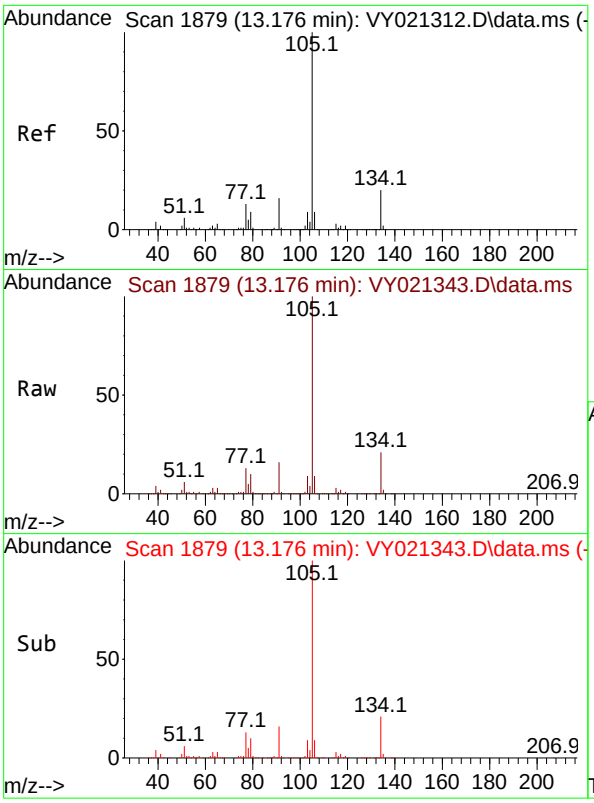


#84
1,2,4-Trimethylbenzene
Concen: 54.235 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:105 Resp: 210873

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3



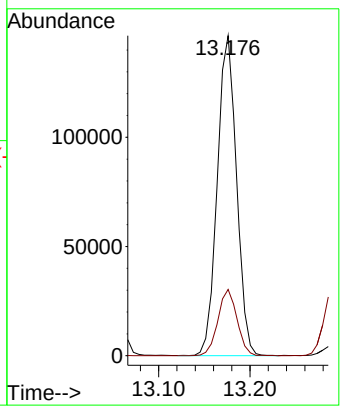


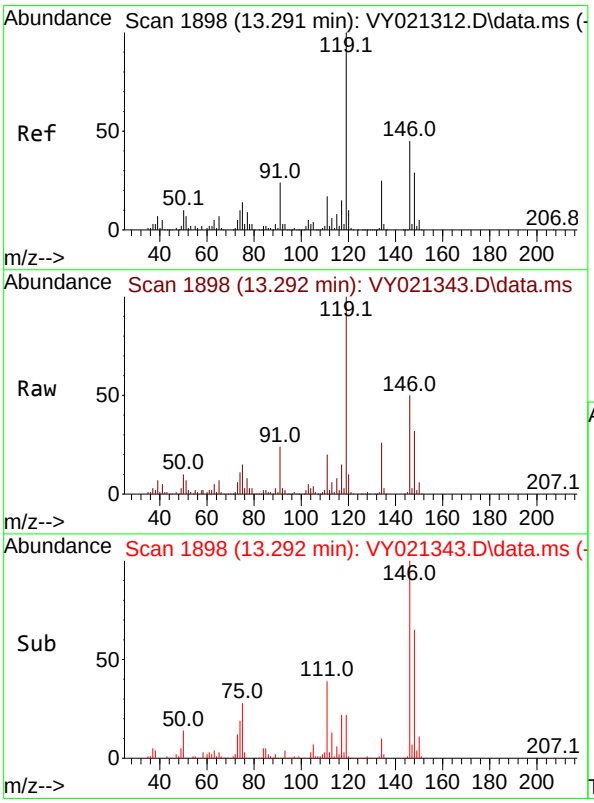
#85
sec-Butylbenzene
Concen: 41.660 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:105 Resp: 214897

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0

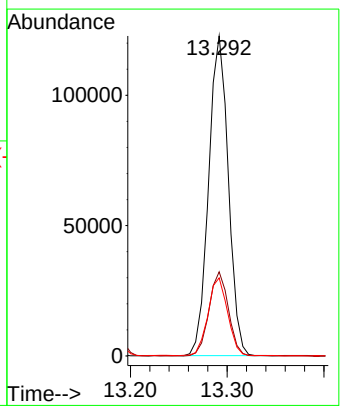


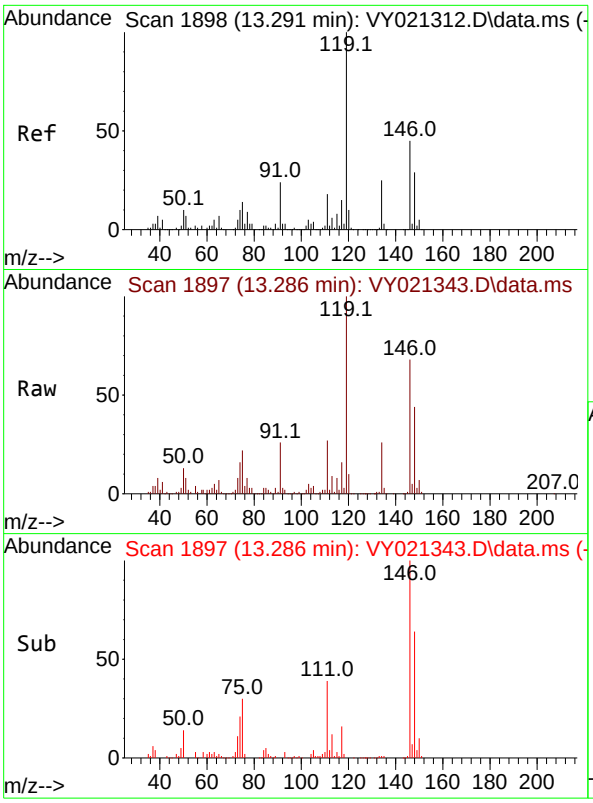


#86
p-Isopropyltoluene
Concen: 40.168 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:119 Resp: 173012

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.4	12.0	36.1



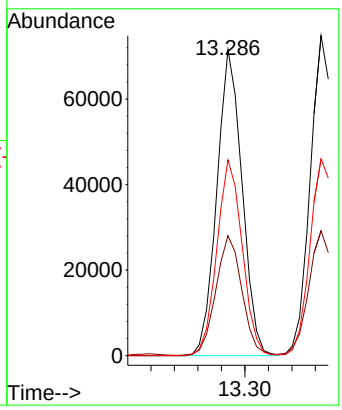


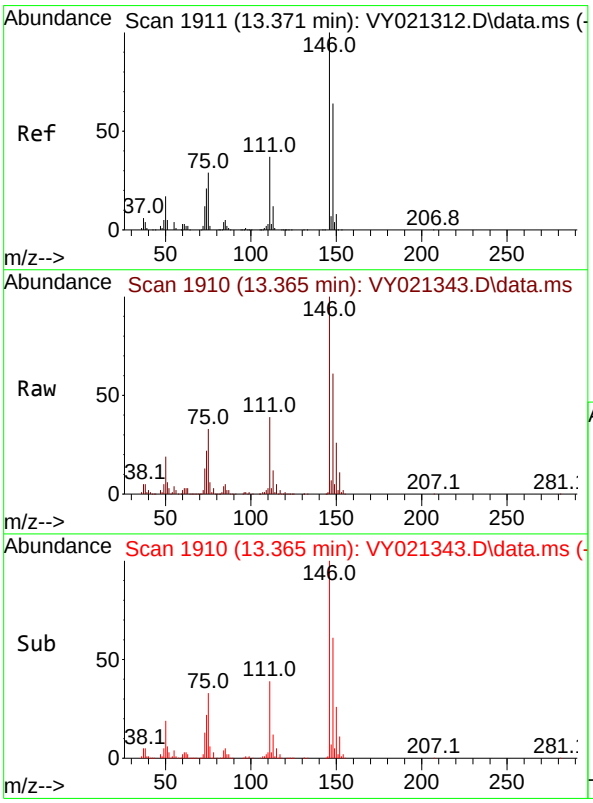
#87
1,3-Dichlorobenzene
Concen: 48.710 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:146 Resp: 106828

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.2	31.9	95.9

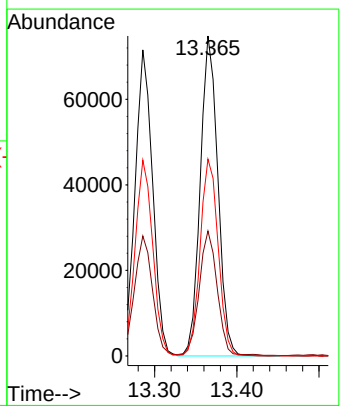


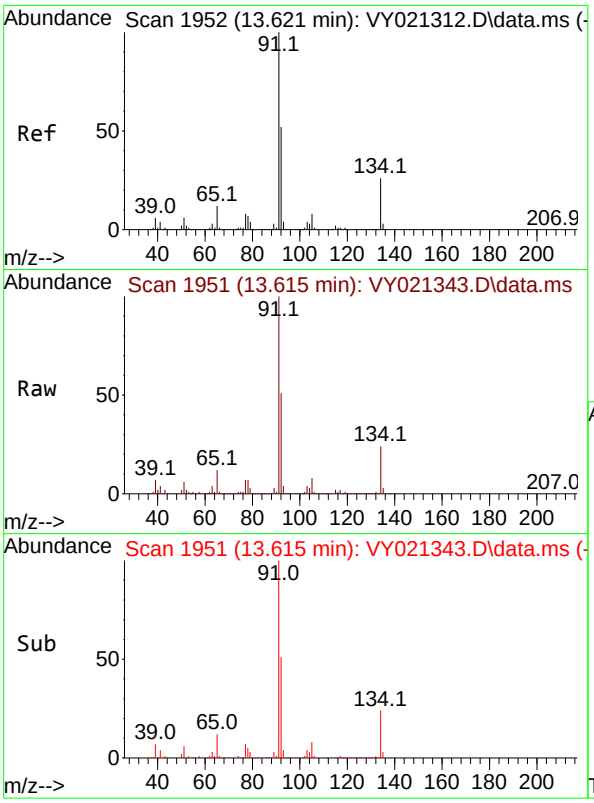


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:146 Resp: 111142

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.0	32.0	96.2



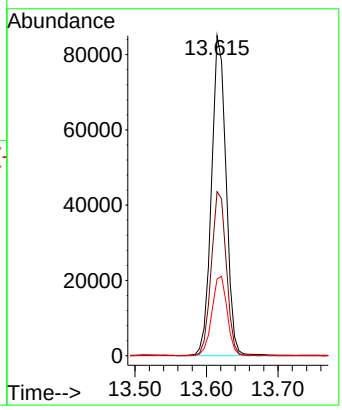


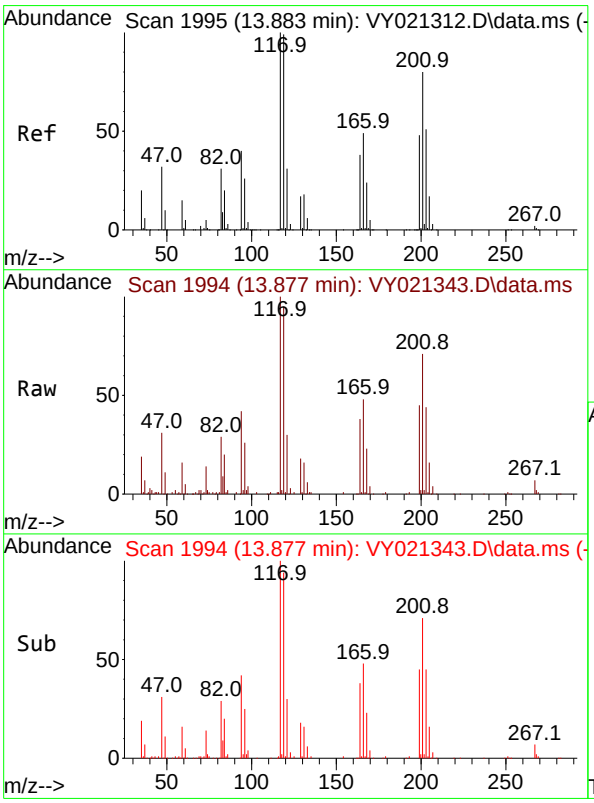
#89
n-Butylbenzene
Concen: 29.734 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion: 91 Resp: 120521

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	25.9	12.7	38.0

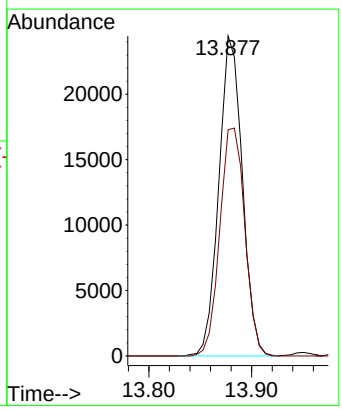


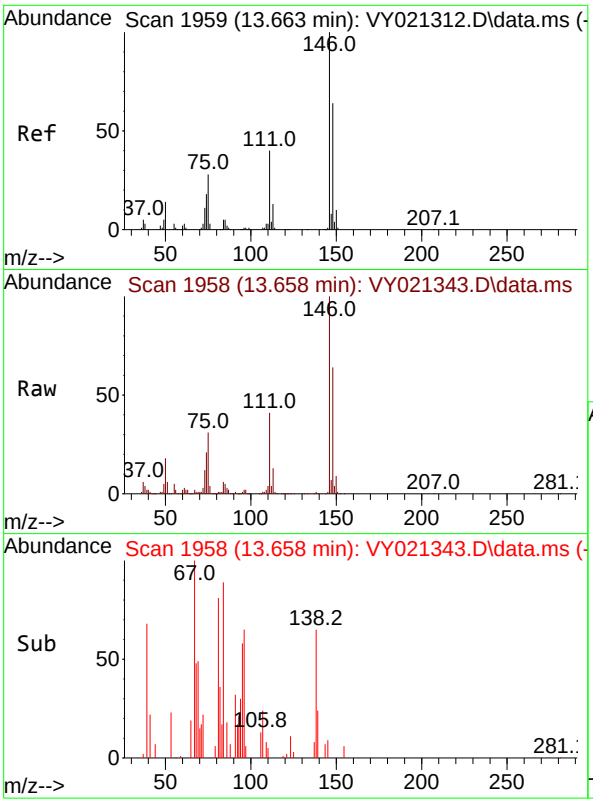


#90
Hexachloroethane
Concen: 43.065 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:117 Resp: 38746

Ion	Ratio	Lower	Upper
117	100		
201	76.0	38.4	115.2



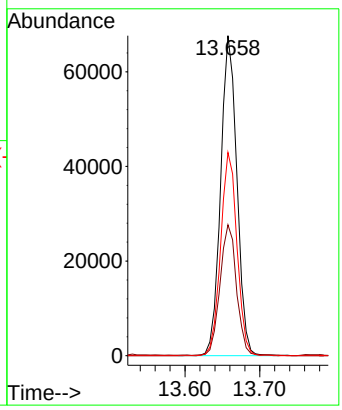


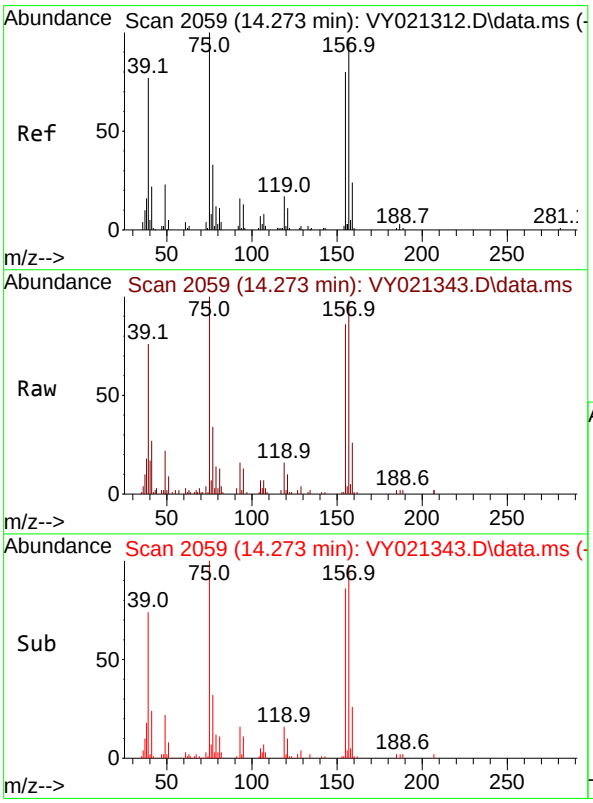
#91
1,2-Dichlorobenzene
Concen: 53.232 ug/l
RT: 13.658 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:146 Resp: 102285

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.9	31.7	95.1

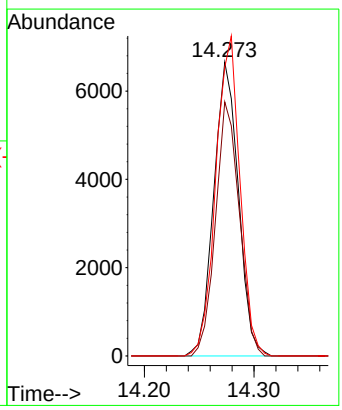


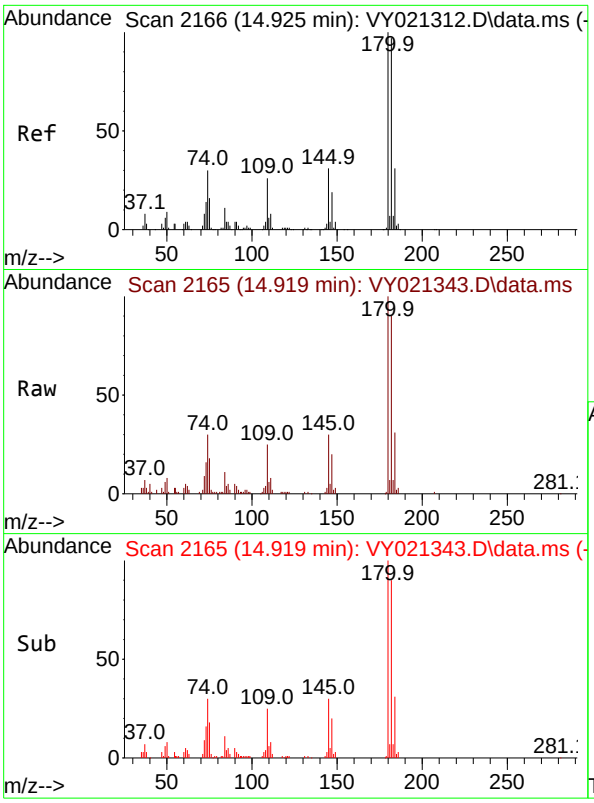


#92
1,2-Dibromo-3-Chloropropane
Concen: 77.954 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion: 75 Resp: 10374

Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.9	125.6
157	107.0	52.5	157.6



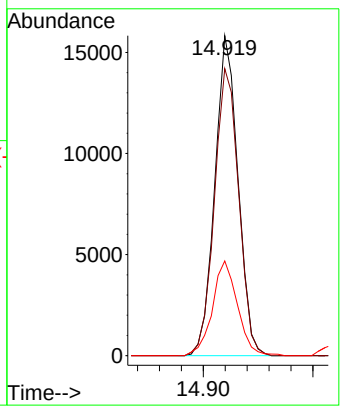


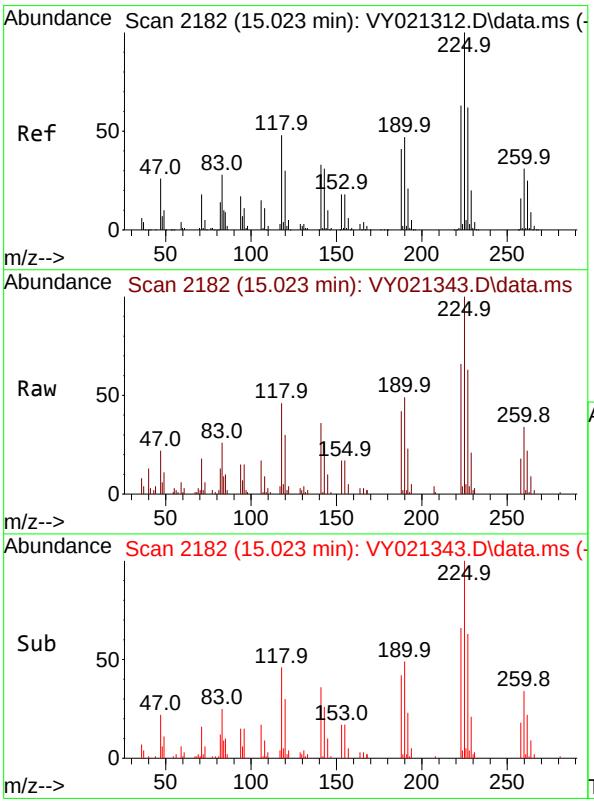
#93
1,2,4-Trichlorobenzene
Concen: 19.844 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:180 Resp: 23272

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	32.0	15.6	46.8

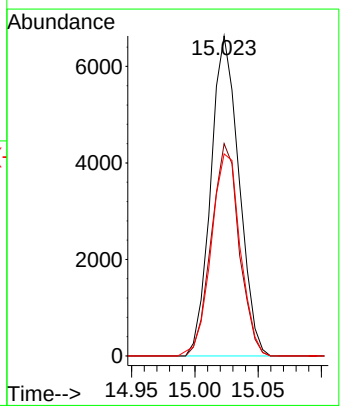


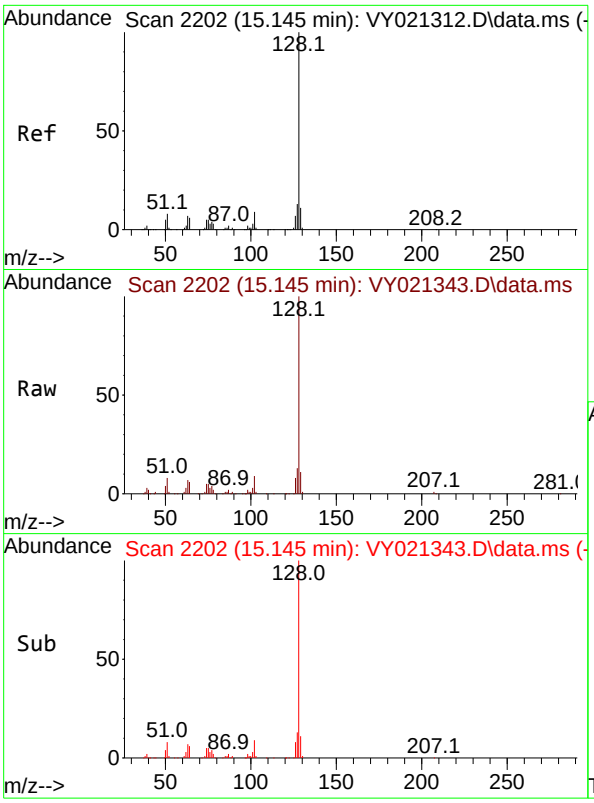


#94
Hexachlorobutadiene
Concen: 13.917 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:225 Resp: 10275

Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.8	95.4
227	65.3	31.9	95.7



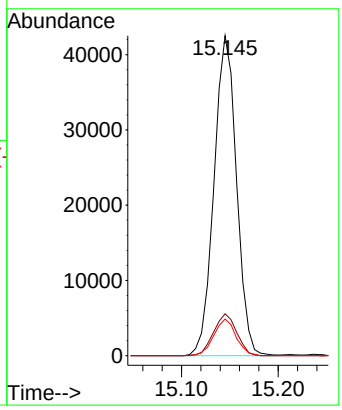


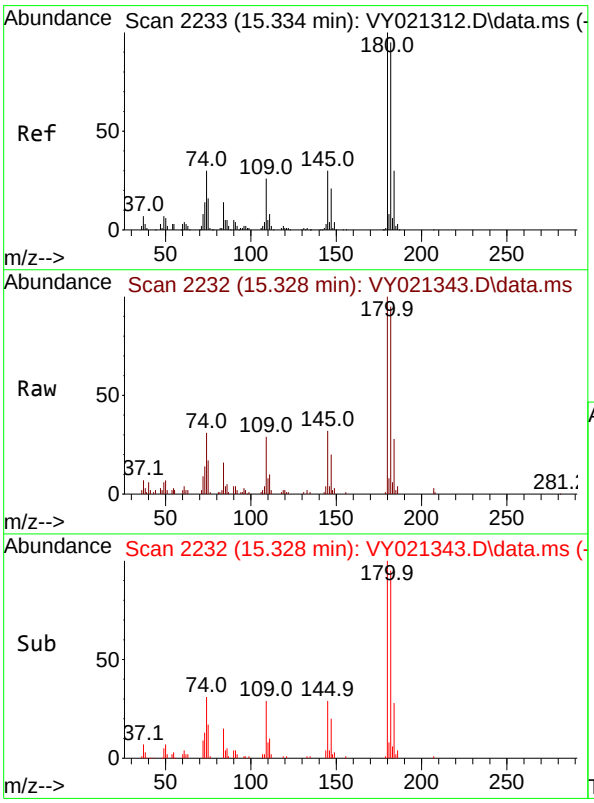
#95
Naphthalene
Concen: 35.301 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-725-727MSD

Tgt Ion:128 Resp: 68572

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.3	8.5	12.7

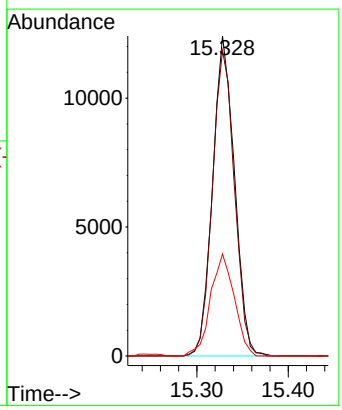




#96
1,2,3-Trichlorobenzene
Concen: 20.754 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021343.D
Acq: 26 Feb 2025 19:43

Tgt Ion:180 Resp: 20565

Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.3	144.9
145	34.8	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110600	46.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.240%			
35) Dibromofluoromethane	7.634	113	102286	45.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.860%			
50) Toluene-d8	10.103	98	388525	44.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.300%			
62) 4-Bromofluorobenzene	12.408	95	131584	44.933	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	89202	44.987	ug/l	100
3) Chloromethane	2.068	50	118305	46.199	ug/l	100
4) Vinyl Chloride	2.202	62	120584	47.976	ug/l	98
5) Bromomethane	2.592	94	79891	47.832	ug/l	99
6) Chloroethane	2.733	64	78213	50.180	ug/l	98
7) Trichlorofluoromethane	3.056	101	182167	47.991	ug/l	98
8) Diethyl Ether	3.452	74	60683	53.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	103386	47.044	ug/l	99
10) Methyl Iodide	4.007	142	132681	57.386	ug/l	99
11) Tert butyl alcohol	4.854	59	42284	231.715	ug/l	99
12) 1,1-Dichloroethene	3.787	96	102196	48.566	ug/l	99
13) Acrolein	3.653	56	6424	45.939	ug/l	96
14) Allyl chloride	4.385	41	183341	49.143	ug/l	99
15) Acrylonitrile	5.055	53	130861	259.792	ug/l	99
16) Acetone	3.866	43	102355	224.914	ug/l	98
17) Carbon Disulfide	4.104	76	340079	48.671	ug/l	100
18) Methyl Acetate	4.385	43	59440	53.445	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	300902	54.123	ug/l	100
20) Methylene Chloride	4.616	84	118498	48.152	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	118319	51.077	ug/l	97
22) Diisopropyl ether	6.019	45	402879	52.185	ug/l	98
23) Vinyl Acetate	5.958	43	1195161	259.062	ug/l	100
24) 1,1-Dichloroethane	5.915	63	219734	50.498	ug/l	99
25) 2-Butanone	6.890	43	173965	253.286	ug/l	99
26) 2,2-Dichloropropane	6.884	77	170930	43.292	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	138734	52.447	ug/l	97
28) Bromochloromethane	7.244	49	93313	48.465	ug/l	97
29) Tetrahydrofuran	7.262	42	117269	261.209	ug/l	99
30) Chloroform	7.421	83	226821	51.443	ug/l	99
31) Cyclohexane	7.701	56	184463	44.101	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	200425	49.940	ug/l	98
36) 1,1-Dichloropropene	7.835	75	158713	46.928	ug/l	99
37) Ethyl Acetate	6.982	43	82433	48.999	ug/l	99
38) Carbon Tetrachloride	7.817	117	178448	46.933	ug/l	99
39) Methylcyclohexane	9.109	83	191242	44.707	ug/l	99
40) Benzene	8.079	78	488113	48.823	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	50830	54.039 ug/l	93
42) 1,2-Dichloroethane	8.158	62	143731	50.672 ug/l	99
43) Isopropyl Acetate	8.195	43	162361	49.861 ug/l	99
44) Trichloroethene	8.866	130	120825	48.271 ug/l	99
45) 1,2-Dichloropropane	9.140	63	117257	48.736 ug/l	99
46) Dibromomethane	9.231	93	66414	50.499 ug/l	99
47) Bromodichloromethane	9.420	83	175634	50.086 ug/l	98
48) Methyl methacrylate	9.219	41	77080	50.619 ug/l	97
49) 1,4-Dioxane	9.225	88	14855	1015.844 ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	425033	254.988 ug/l	99
52) Toluene	10.170	92	307967	49.585 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	159678	49.701 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	183344	48.340 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	87133	50.858 ug/l	99
56) Ethyl methacrylate	10.438	69	127215	53.738 ug/l	98
57) 1,3-Dichloropropane	10.713	76	152781	50.818 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	292101	257.068 ug/l	99
59) 2-Hexanone	10.755	43	285133	260.462 ug/l	99
60) Dibromochloromethane	10.908	129	118508	50.788 ug/l	99
61) 1,2-Dibromoethane	11.012	107	82050	50.586 ug/l	98
64) Tetrachloroethene	10.646	164	108193	46.783 ug/l	99
65) Chlorobenzene	11.444	112	331937	48.330 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118595	49.313 ug/l	100
67) Ethyl Benzene	11.518	91	585231	48.106 ug/l	100
68) m/p-Xylenes	11.627	106	441830	96.556 ug/l	100
69) o-Xylene	11.956	106	212382	49.544 ug/l	100
70) Styrene	11.969	104	357830	50.170 ug/l	100
71) Bromoform	12.133	173	68887	50.071 ug/l	99
73) Isopropylbenzene	12.255	105	548496	49.240 ug/l	100
74) N-amyl acetate	12.072	43	146735	51.825 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	98641	50.176 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	128720	86.792 ug/l #	100
77) Bromobenzene	12.530	156	130762	50.469 ug/l	98
78) n-propylbenzene	12.597	91	647434	47.897 ug/l	99
79) 2-Chlorotoluene	12.676	91	381569	49.187 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	448101	49.048 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31668	47.460 ug/l	97
82) 4-Chlorotoluene	12.773	91	392065	48.755 ug/l	99
83) tert-Butylbenzene	12.999	119	405401	49.124 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	449054	49.422 ug/l	99
85) sec-Butylbenzene	13.176	105	564734	46.848 ug/l	99
86) p-Isopropyltoluene	13.292	119	477095	47.399 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	247228	48.238 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	241313	47.661 ug/l	99
89) n-Butylbenzene	13.615	91	431776	45.583 ug/l	100
90) Hexachloroethane	13.883	117	97989	46.606 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	218493	48.659 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15872	51.037 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	127534	46.535 ug/l	99
94) Hexachlorobutadiene	15.023	225	74574	43.221 ug/l	99
95) Naphthalene	15.145	128	230889	50.863 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	109952	47.484 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

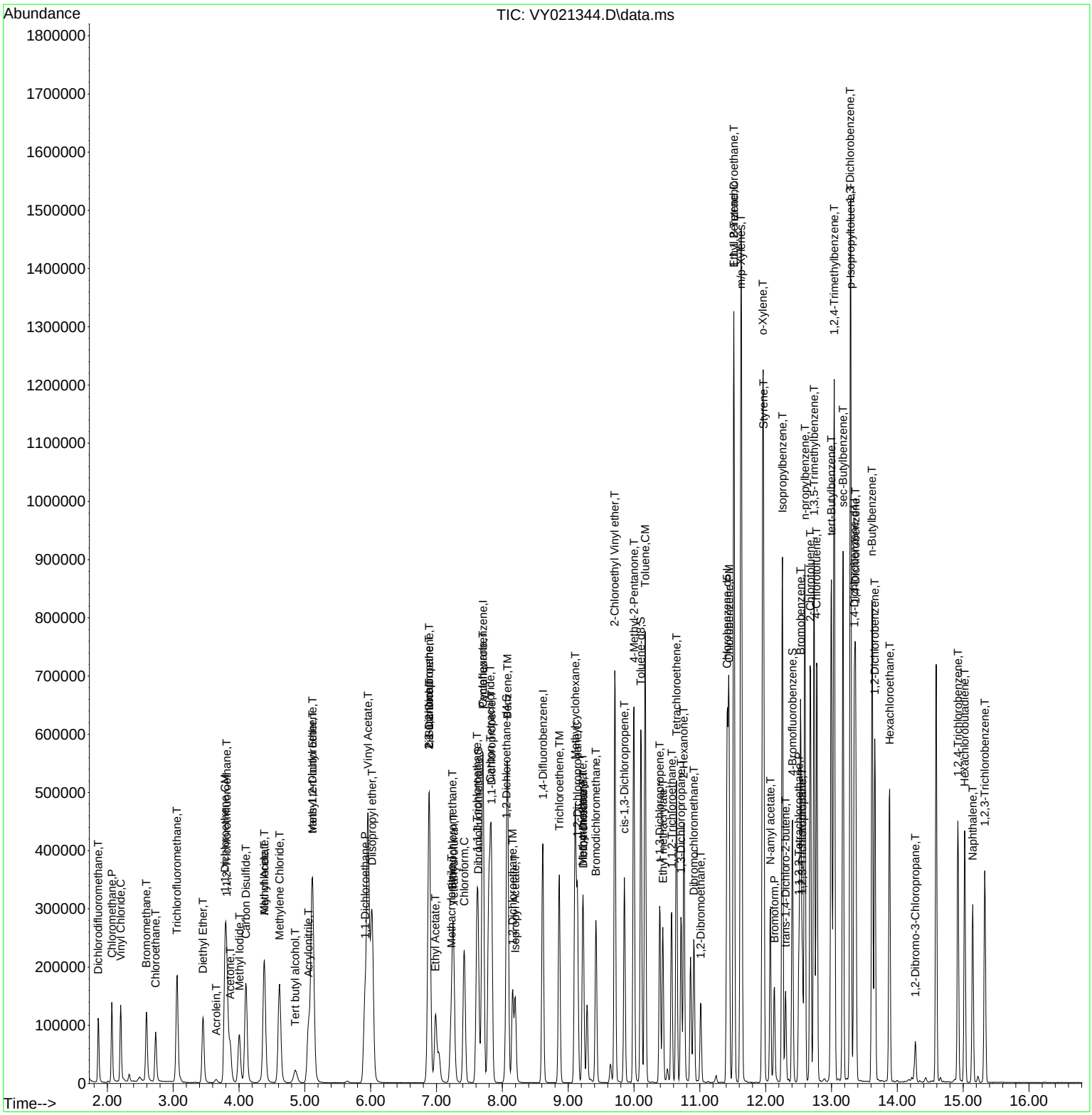
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

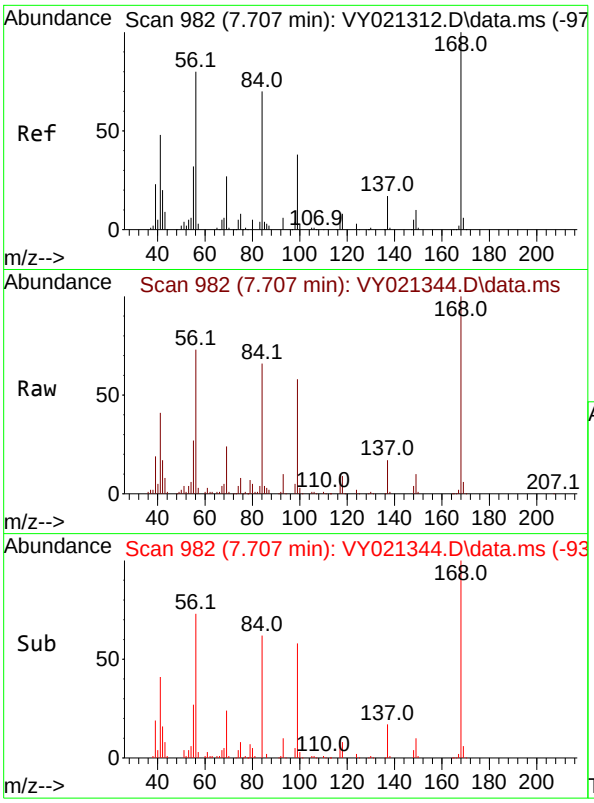
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



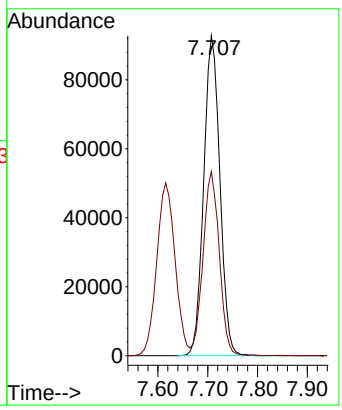


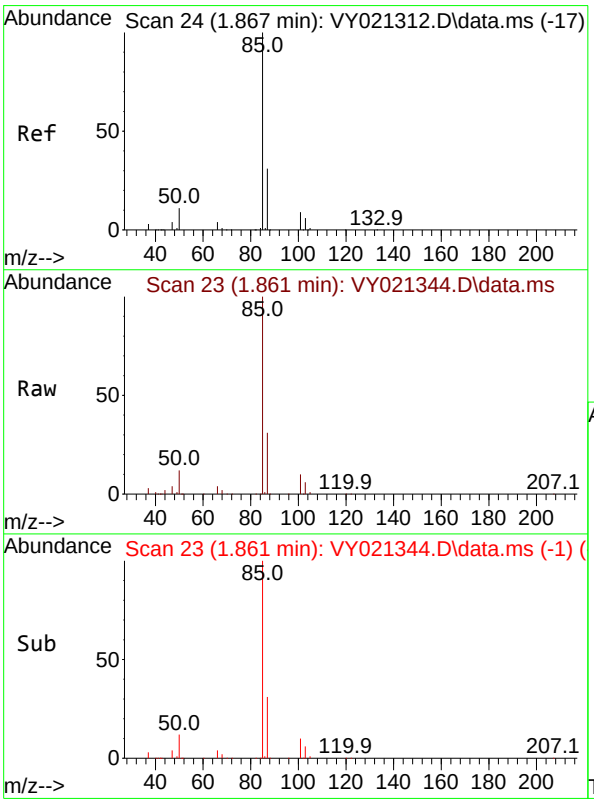
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 209132

Ion	Ratio	Lower	Upper
168	100		
99	57.4	47.1	70.7

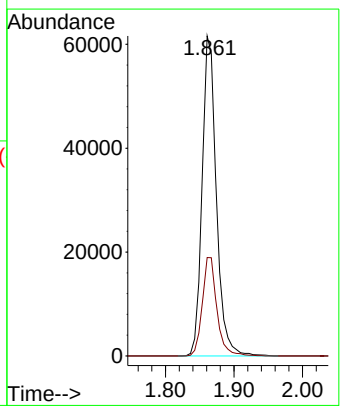


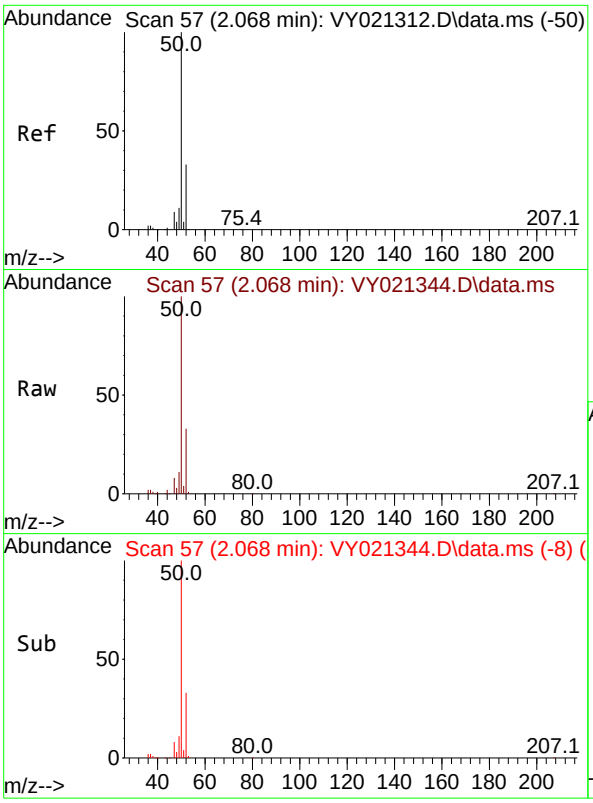


#2
Dichlorodifluoromethane
Concen: 44.987 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 85 Resp: 89202

Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.4	46.4



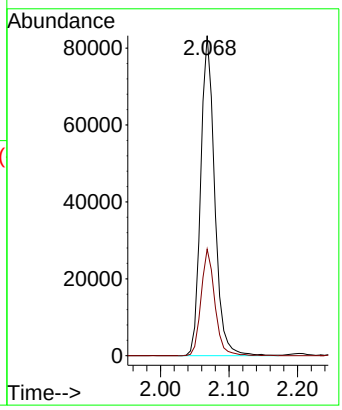


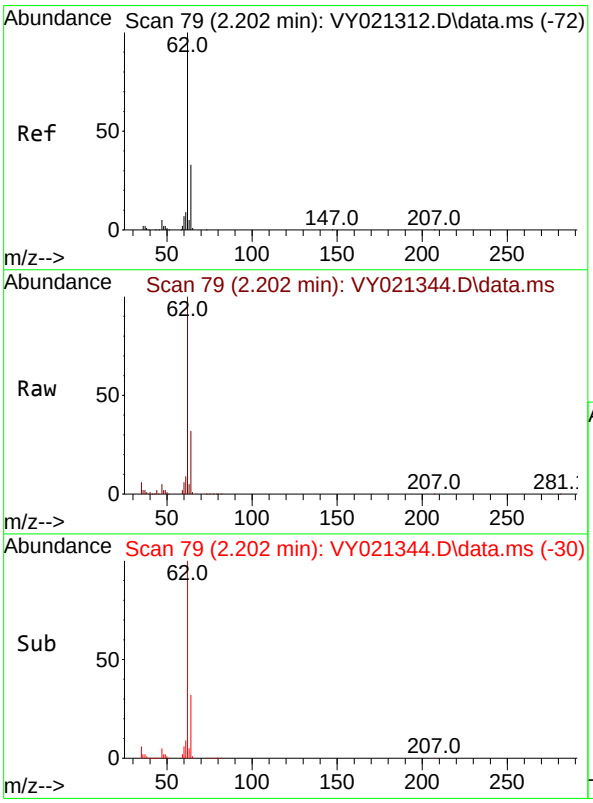
#3
Chloromethane
Concen: 46.199 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 118305

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0

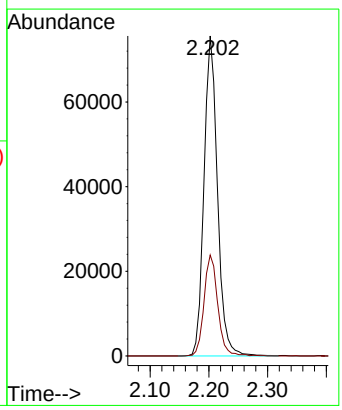


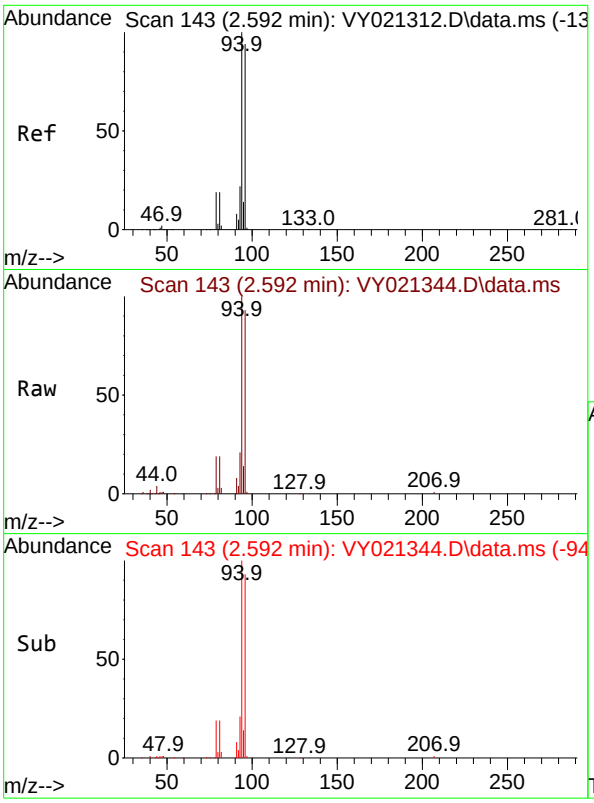


#4
Vinyl Chloride
Concen: 47.976 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 120584

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.3	39.5



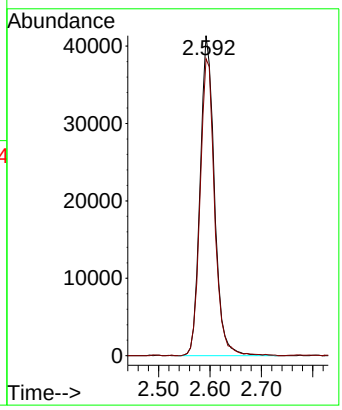


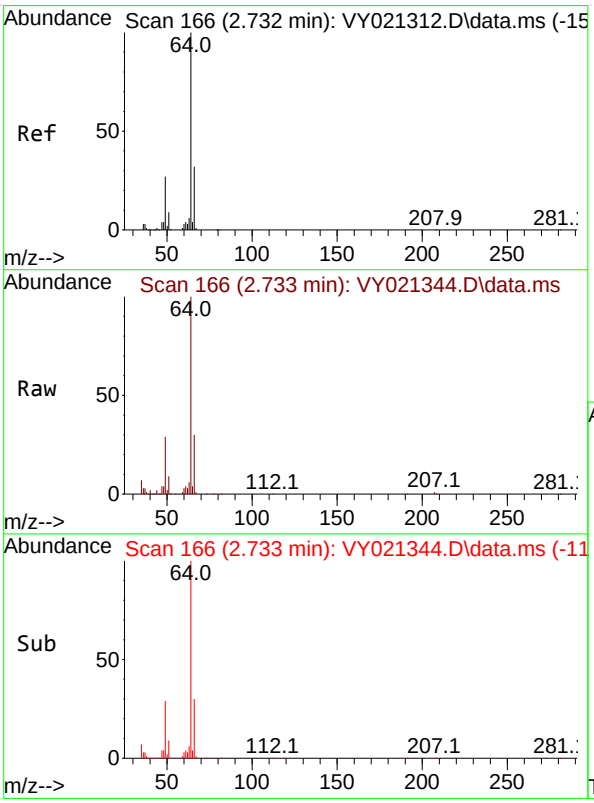
#5
Bromomethane
Concen: 47.832 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 79891

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.2	112.8

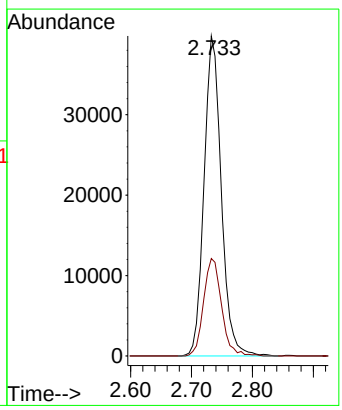


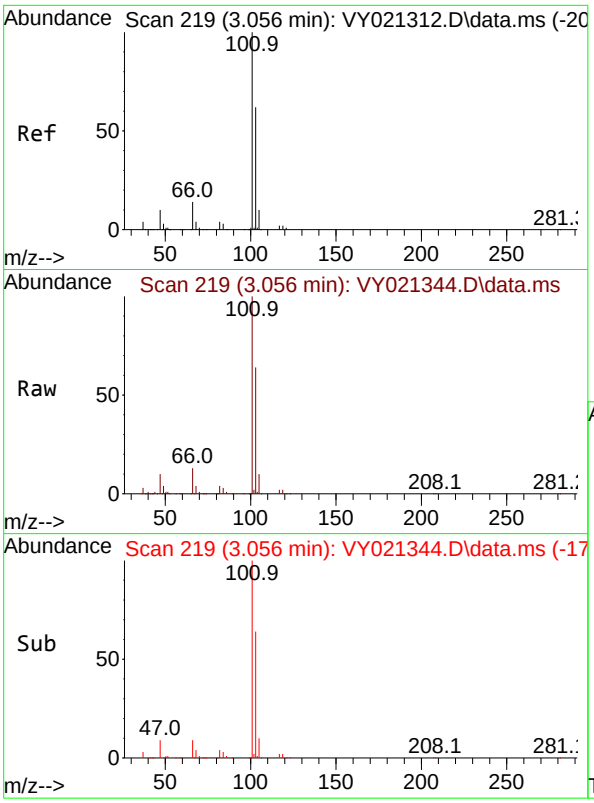


#6
Chloroethane
Concen: 50.180 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 64 Resp: 78213

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.4	38.0



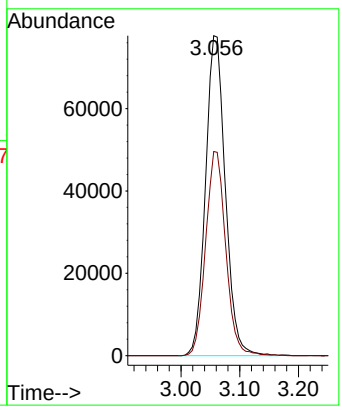


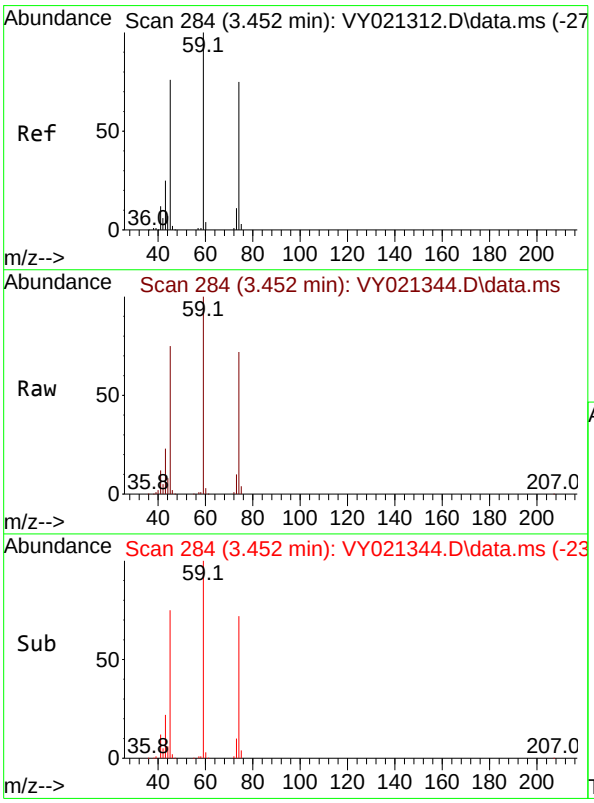
#7
Trichlorofluoromethane
Concen: 47.991 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 182167

Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.7	74.5

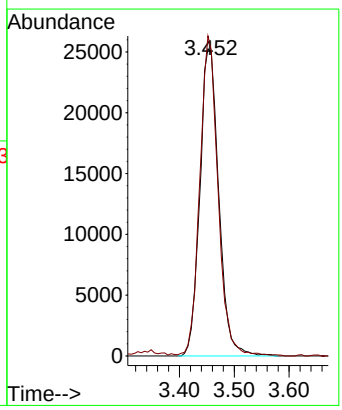


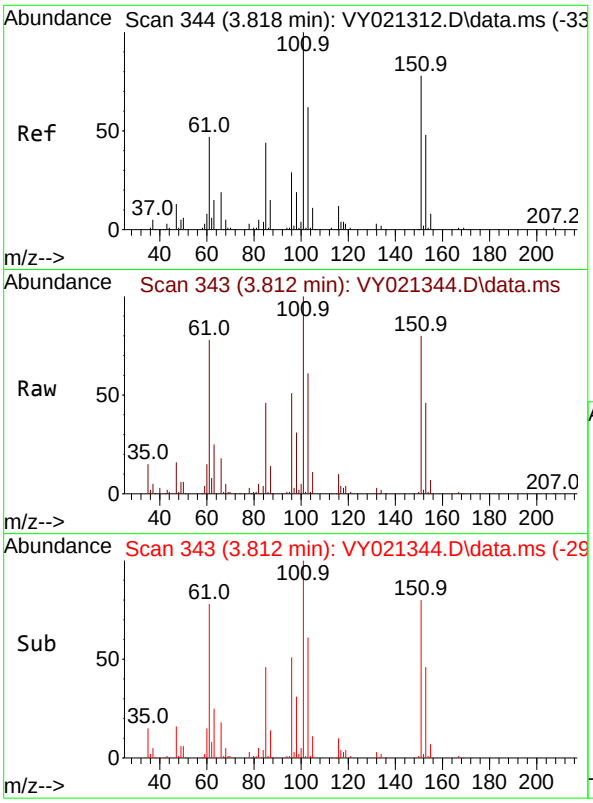


#8
Diethyl Ether
Concen: 53.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 74 Resp: 60683

Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.3	150.9



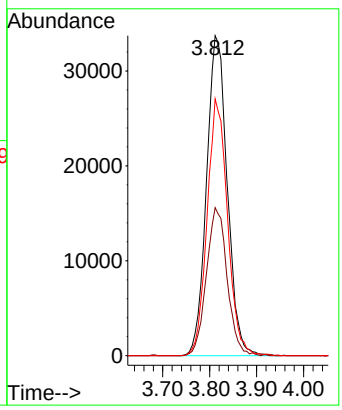


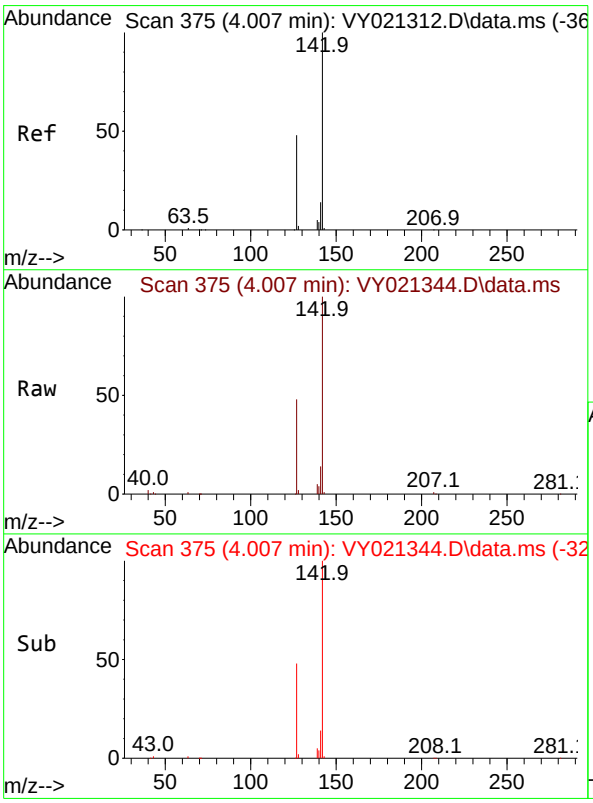
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.044 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 103386

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	79.0	62.6	94.0

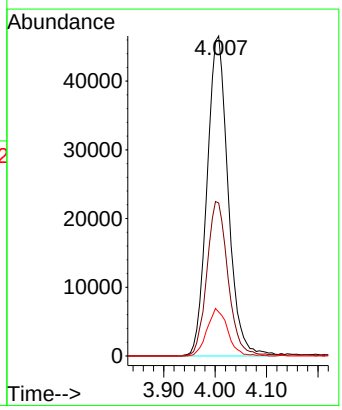


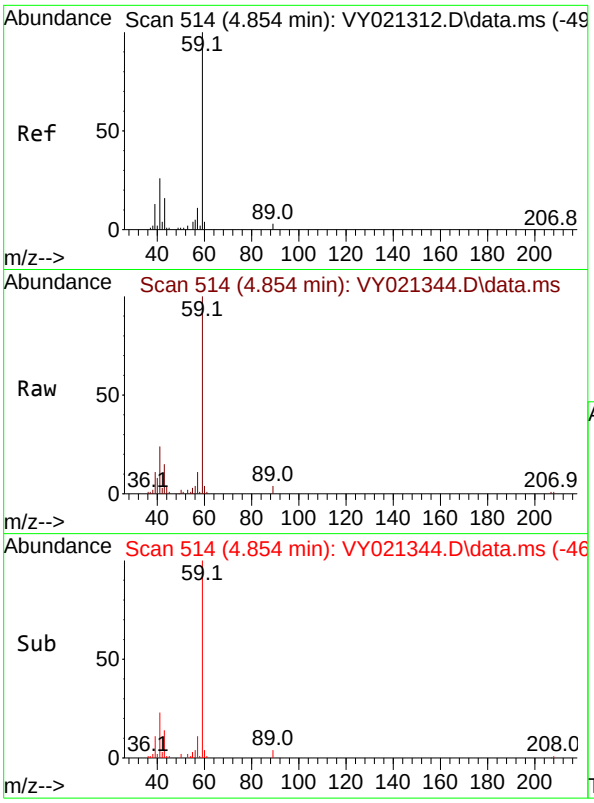


#10
Methyl Iodide
Concen: 57.386 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:142 Resp: 132681

Ion	Ratio	Lower	Upper
142	100		
127	48.5	39.2	58.8
141	14.5	11.4	17.2



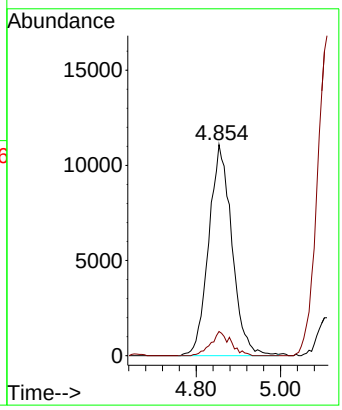


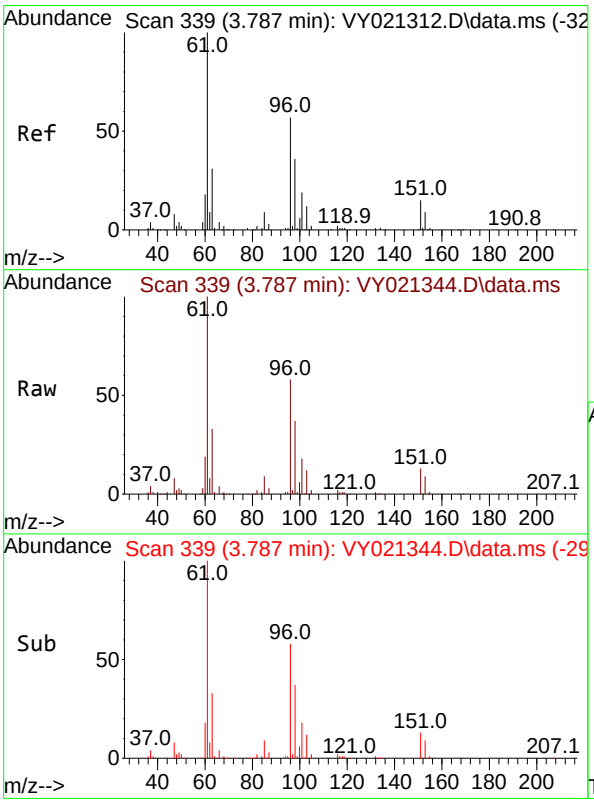
#11
Tert butyl alcohol
Concen: 231.715 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 42284

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

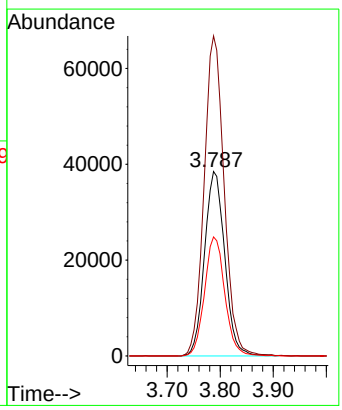


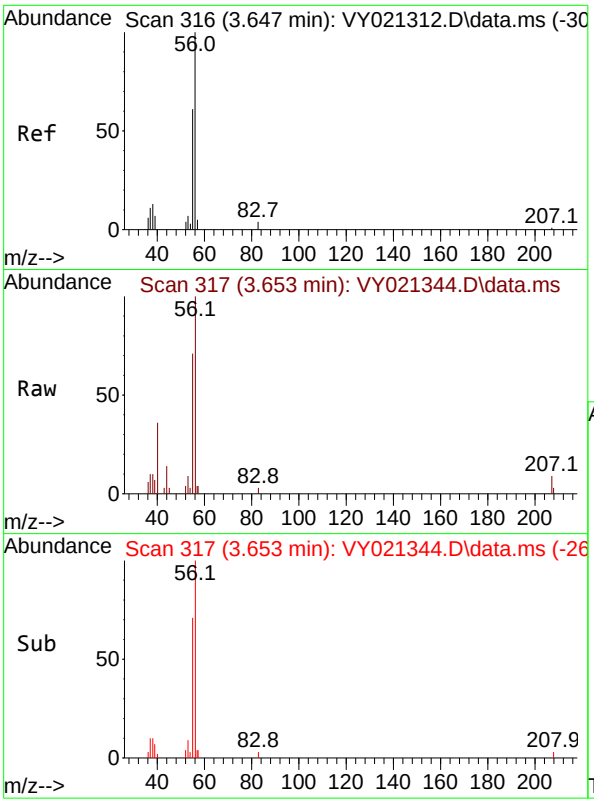


#12
1,1-Dichloroethene
Concen: 48.566 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 102196

Ion	Ratio	Lower	Upper
96	100		
61	173.5	139.7	209.5
98	64.6	49.7	74.5



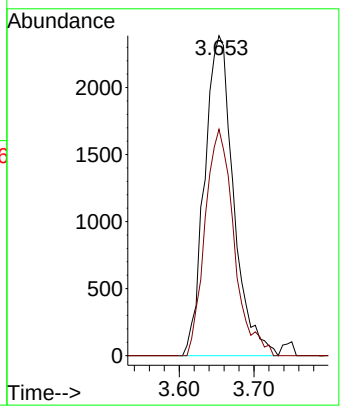


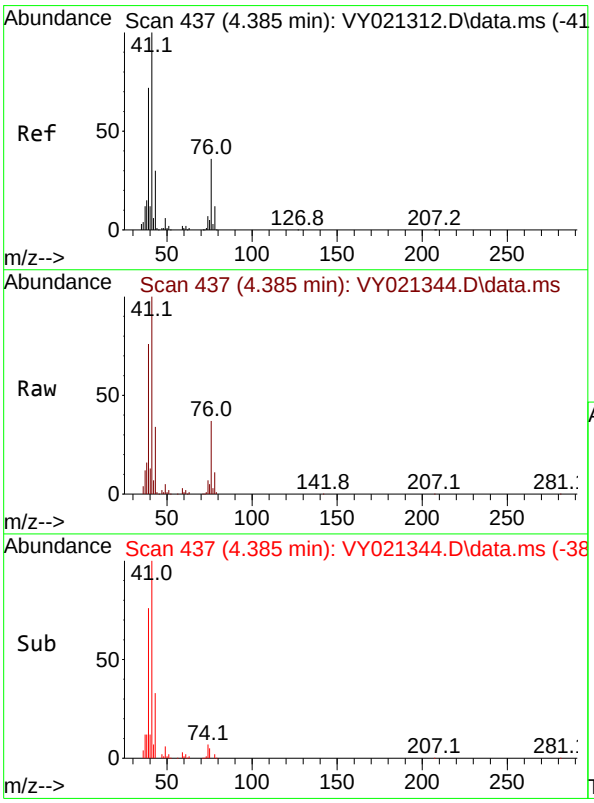
#13
Acrolein
Concen: 45.939 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 6424

Ion	Ratio	Lower	Upper
56	100		
55	70.7	59.0	88.6

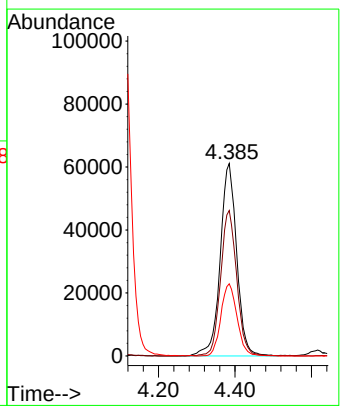


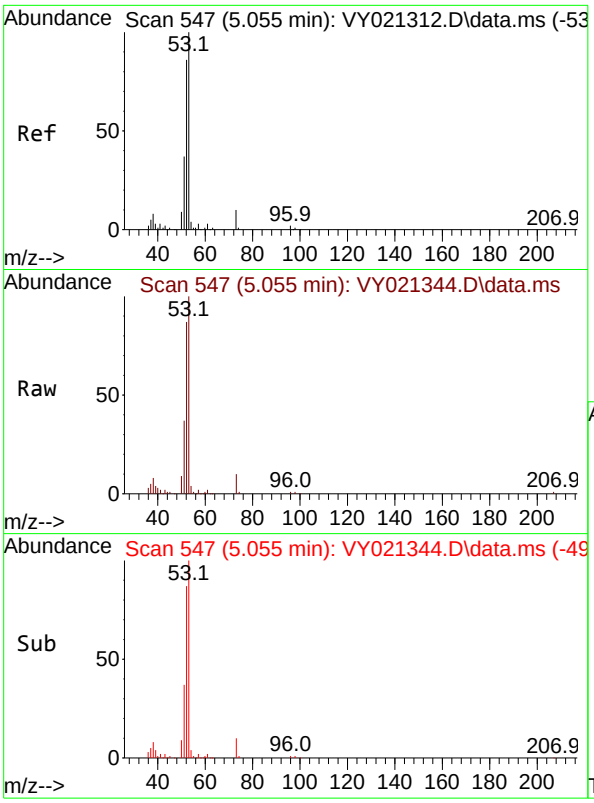


#14
Allyl chloride
Concen: 49.143 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 183341

Ion	Ratio	Lower	Upper
41	100		
39	74.0	60.0	90.0
76	36.6	29.0	43.6



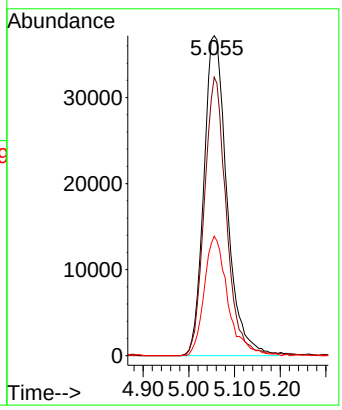


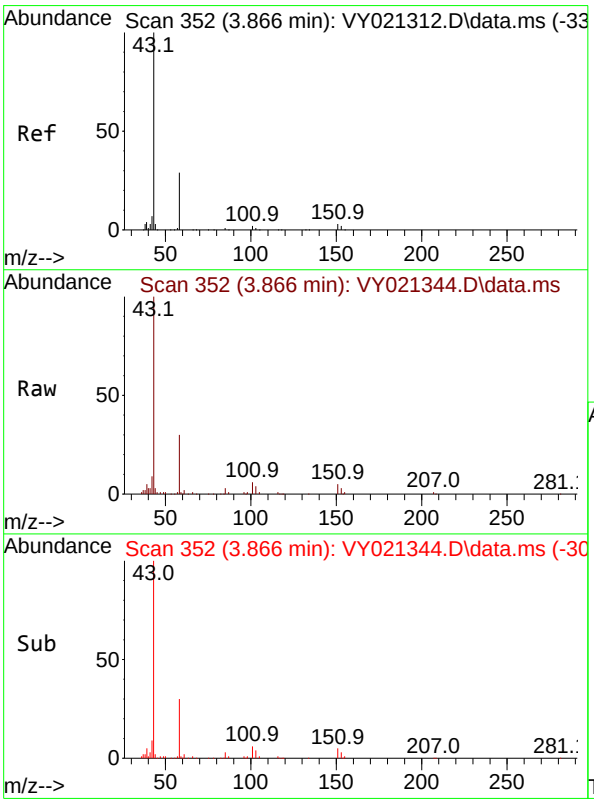
#15
Acrylonitrile
Concen: 259.792 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 130861

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	38.1	30.6	46.0

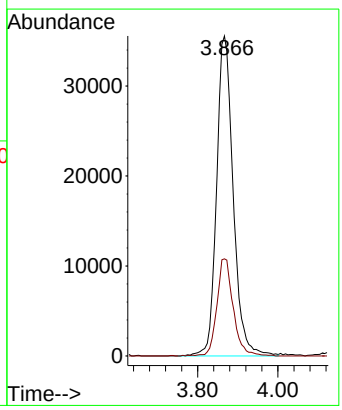


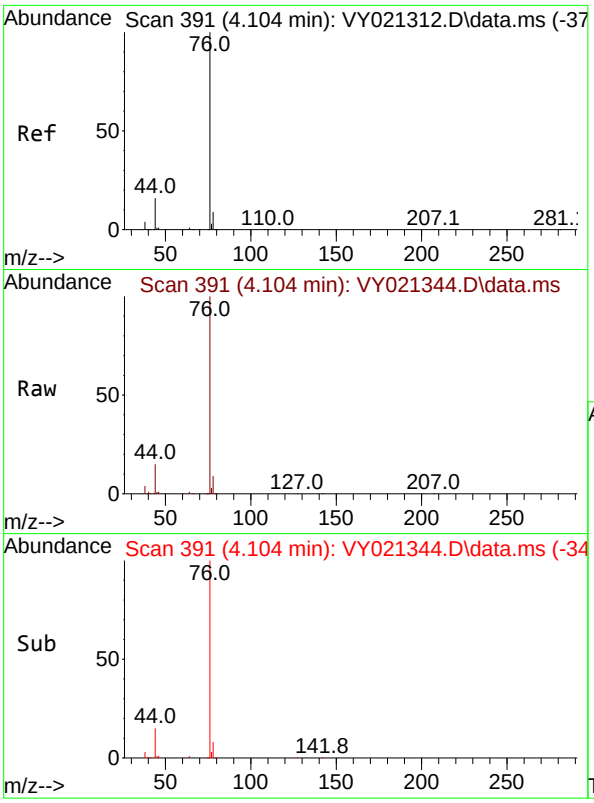


#16
Acetone
Concen: 224.914 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 102355

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.5	35.3



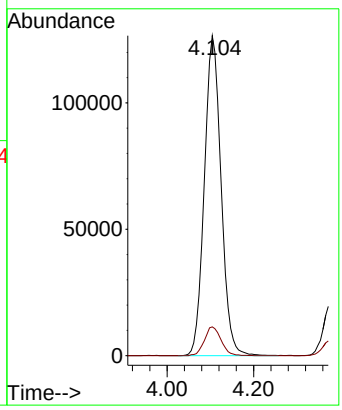


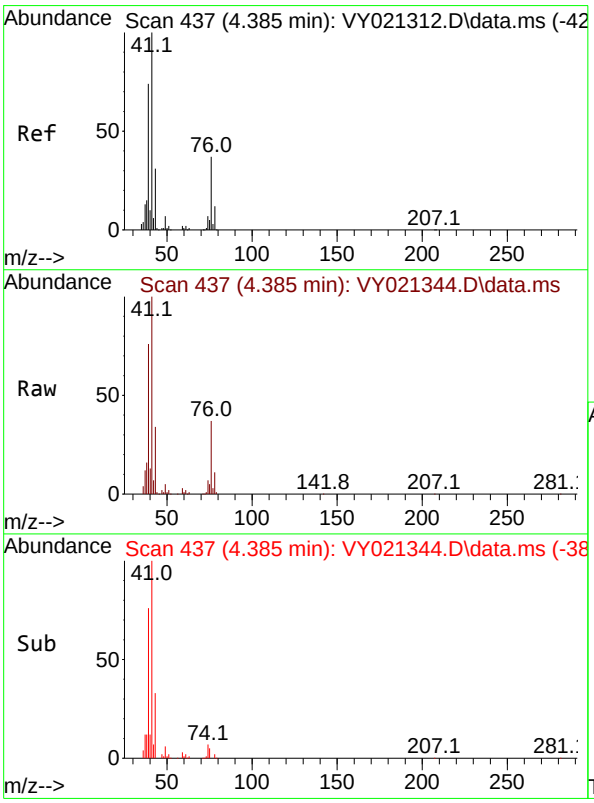
#17
Carbon Disulfide
Concen: 48.671 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 340079

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

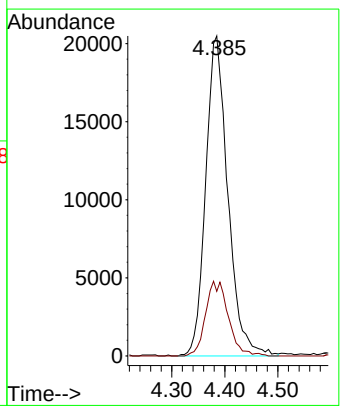


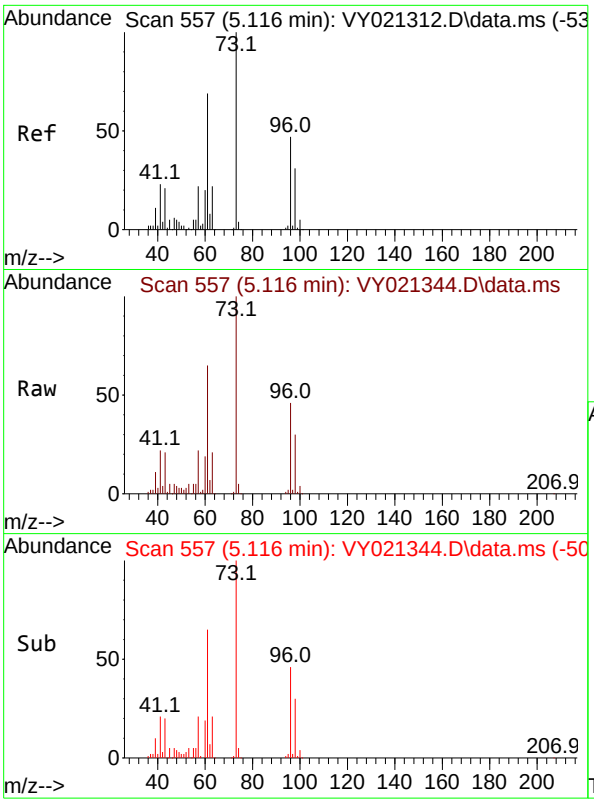


#18
Methyl Acetate
Concen: 53.445 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 59440

Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.7	26.5



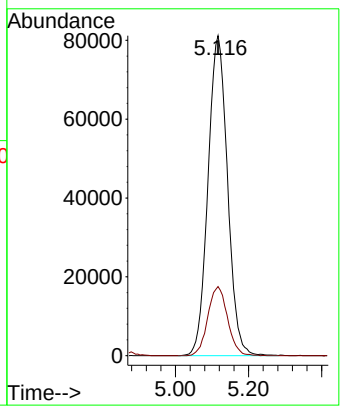


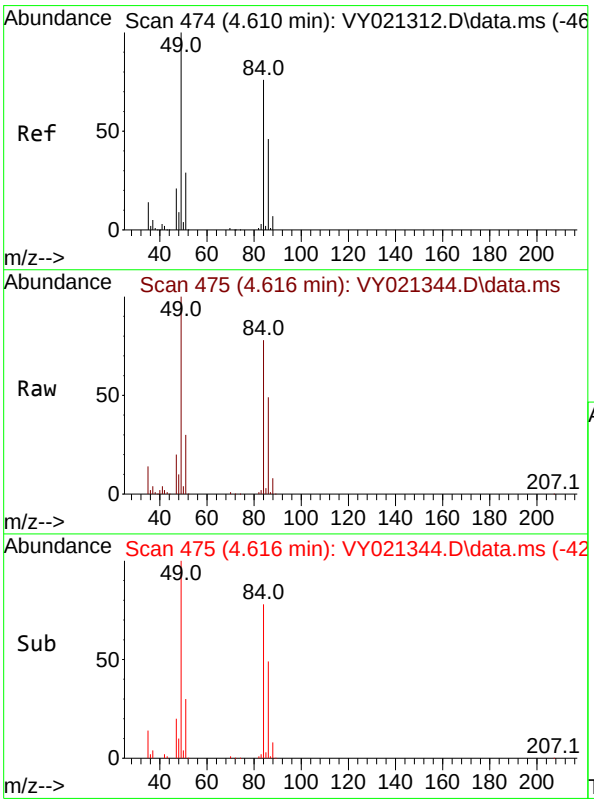
#19
Methyl tert-butyl Ether
Concen: 54.123 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 300902

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

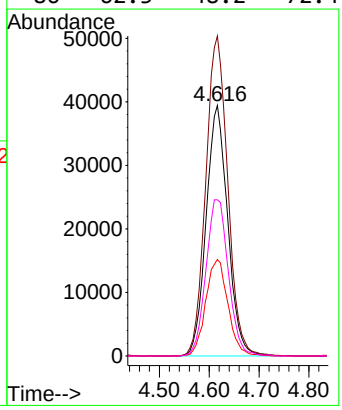


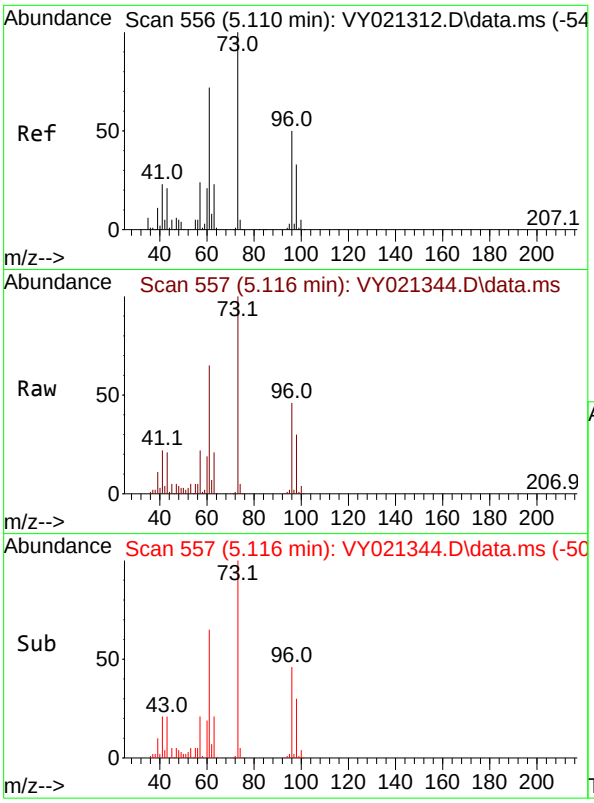


#20
Methylene Chloride
Concen: 48.152 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 84 Resp: 118498

Ion	Ratio	Lower	Upper
84	100		
49	127.7	105.1	157.7
51	38.5	31.0	46.4
86	62.3	48.2	72.4



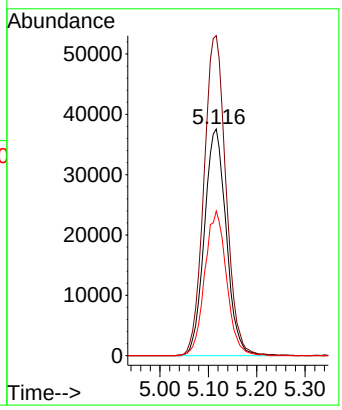


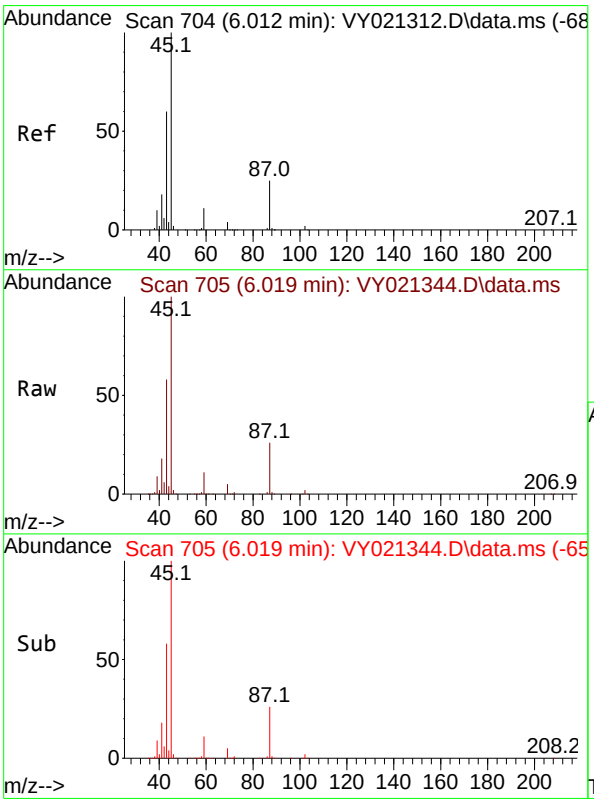
#21
trans-1,2-Dichloroethene
Concen: 51.077 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 118319

Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.3	174.5
98	63.8	52.6	78.8

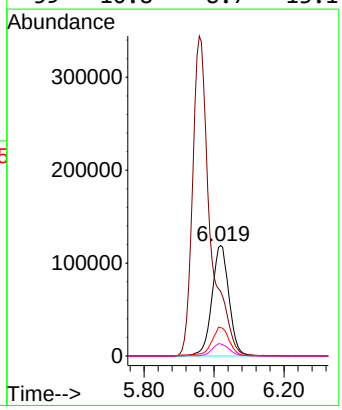


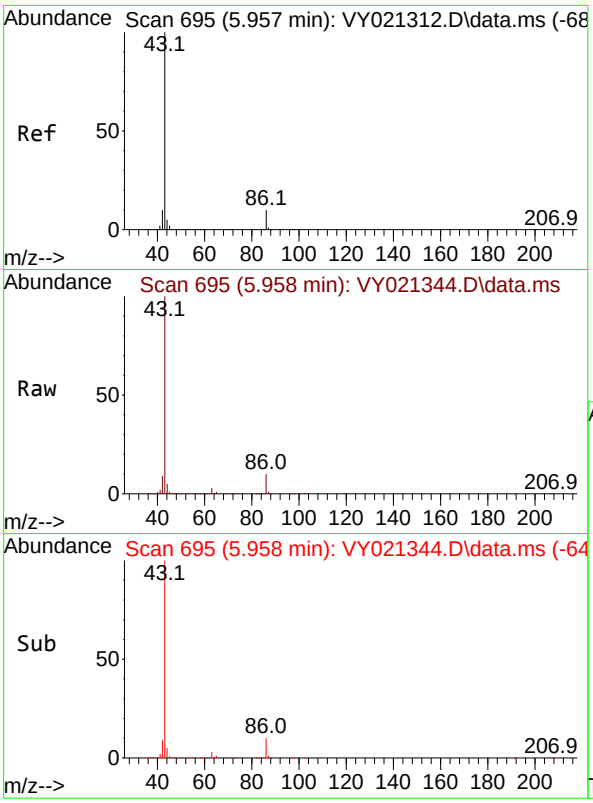


#22
Diisopropyl ether
Concen: 52.185 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 45 Resp: 402879

Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.2	72.4
87	25.7	20.3	30.5
59	10.8	8.7	13.1



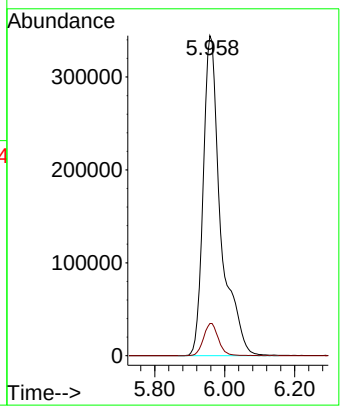


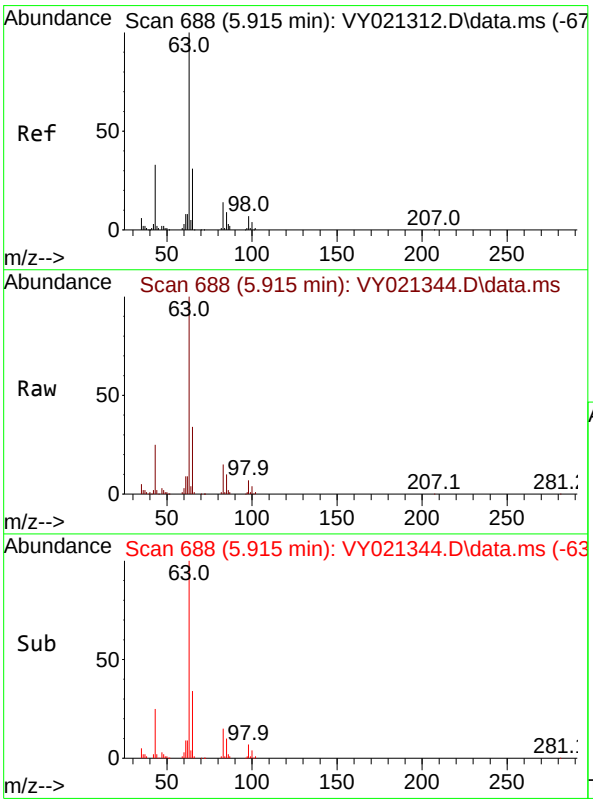
#23
Vinyl Acetate
Concen: 259.062 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1195161

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

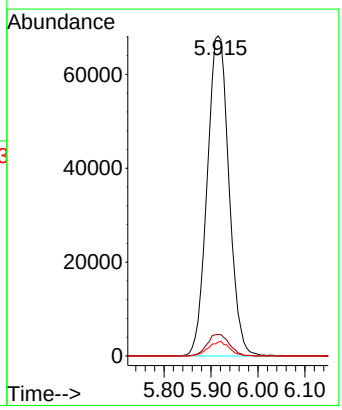


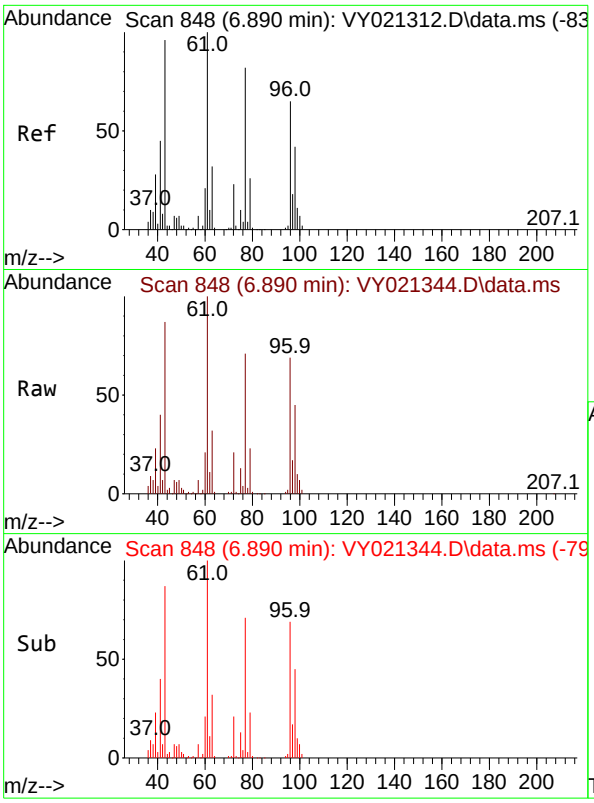


#24
1,1-Dichloroethane
Concen: 50.498 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 219734

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.7	11.1
100	4.3	2.1	6.5



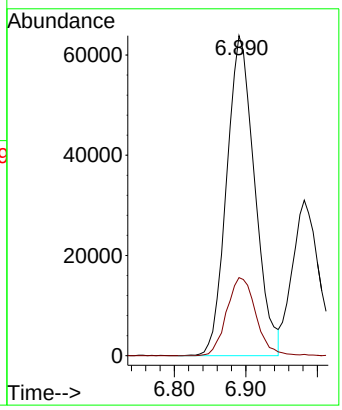


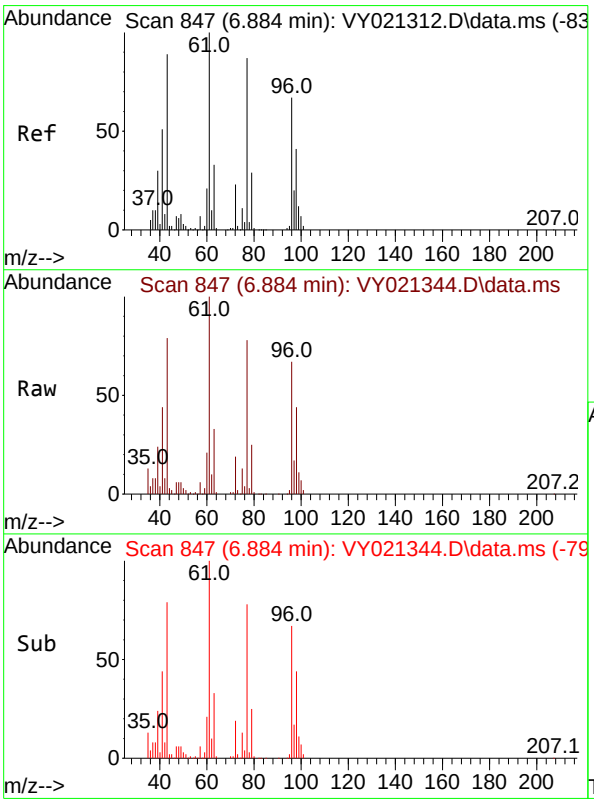
#25
2-Butanone
Concen: 253.286 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 173965

Ion	Ratio	Lower	Upper
43	100		
72	24.4	19.0	28.6

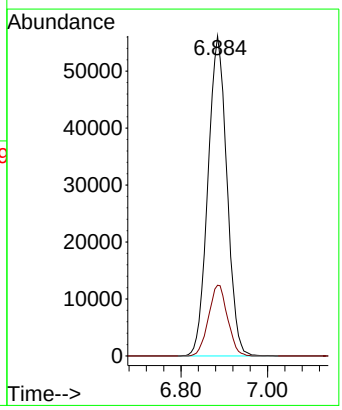


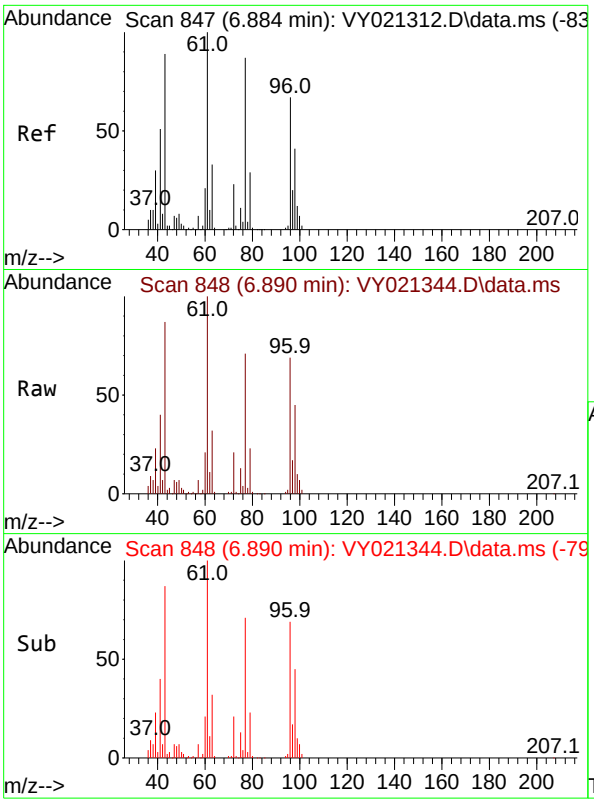


#26
2,2-Dichloropropane
Concen: 43.292 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 77 Resp: 170930

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



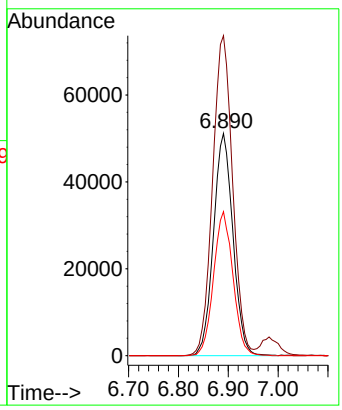


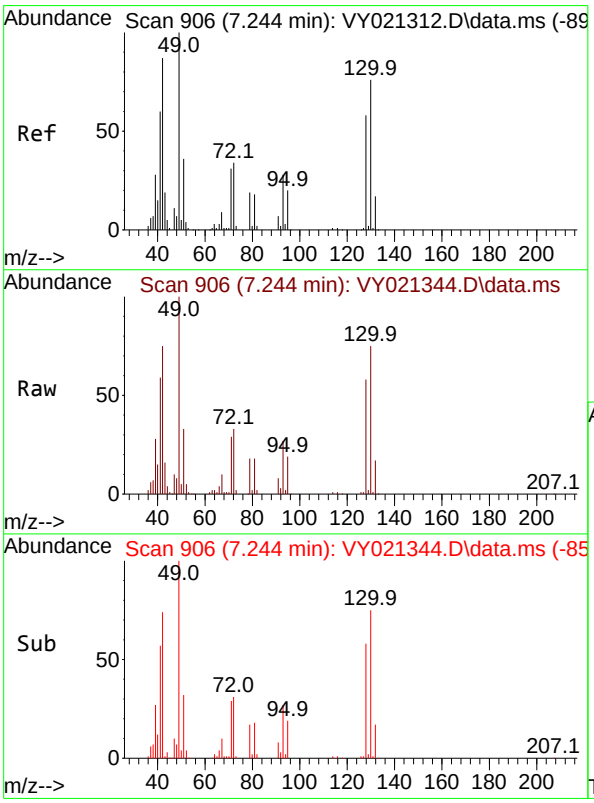
#27
cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 138734

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	308.0
98	64.7	0.0	129.6

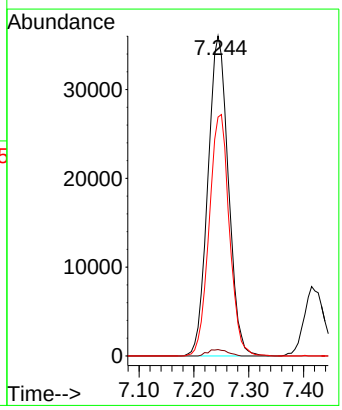


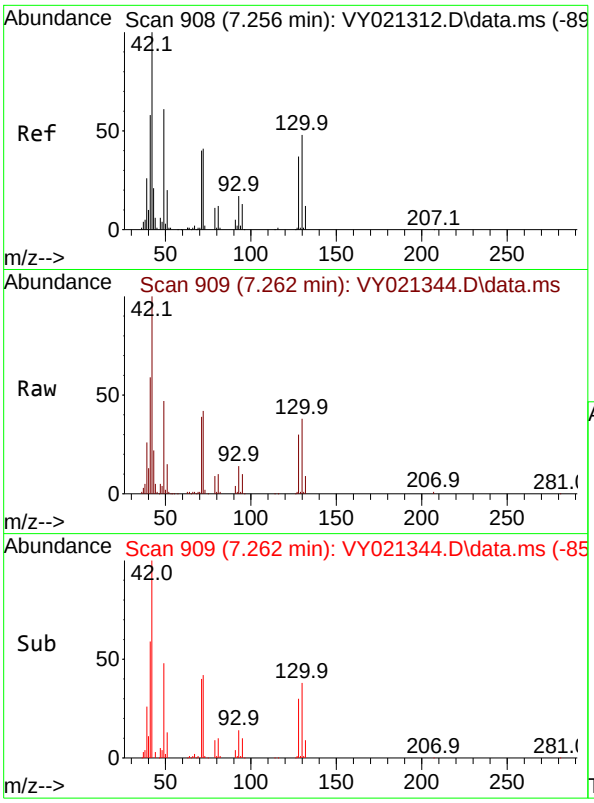


#28
Bromochloromethane
Concen: 48.465 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 49 Resp: 93313

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.6	57.8	86.6



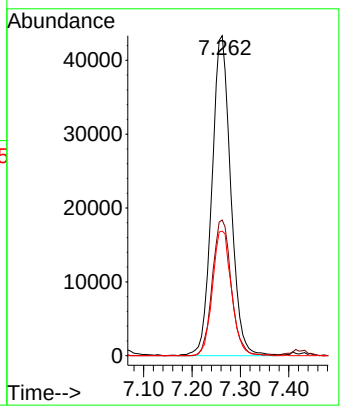


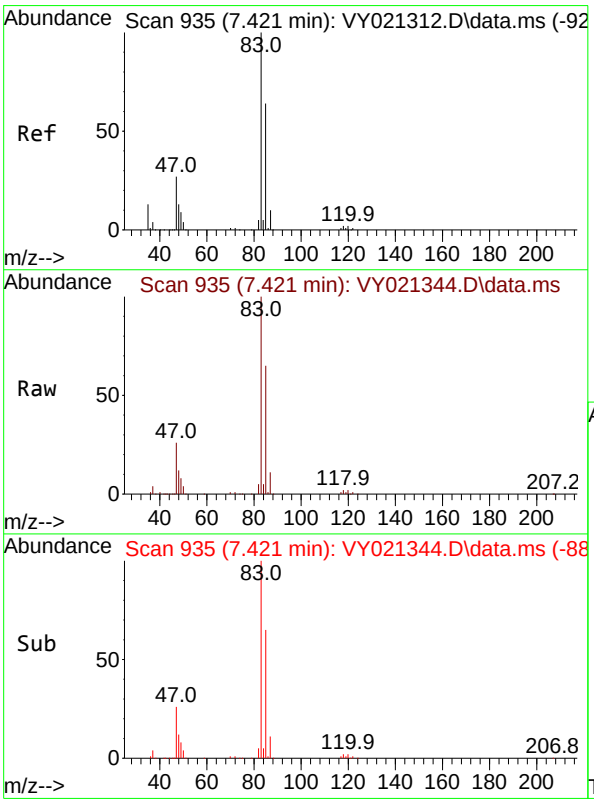
#29
Tetrahydrofuran
Concen: 261.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 117269

Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.1	49.7
71	39.3	31.4	47.0

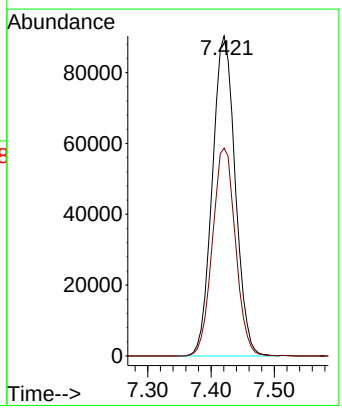


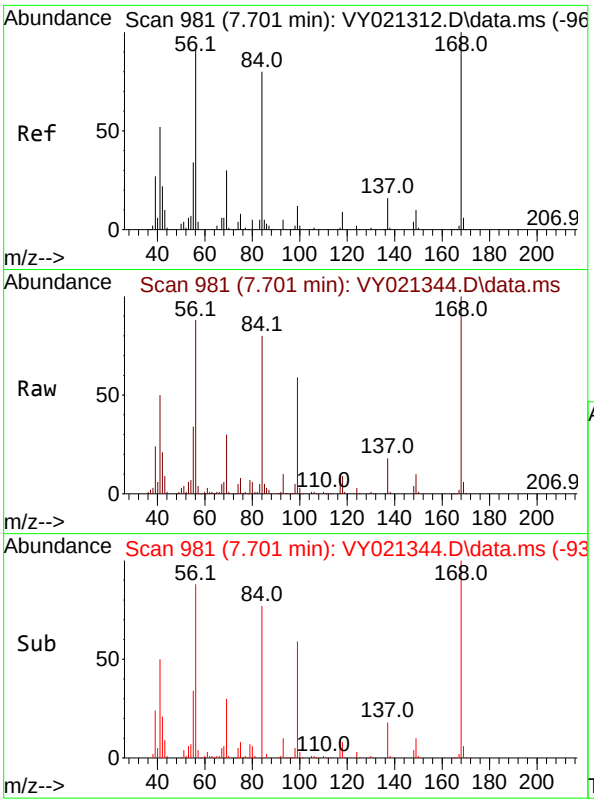


#30
Chloroform
Concen: 51.443 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 226821

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4



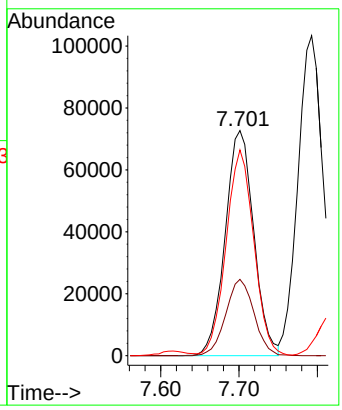


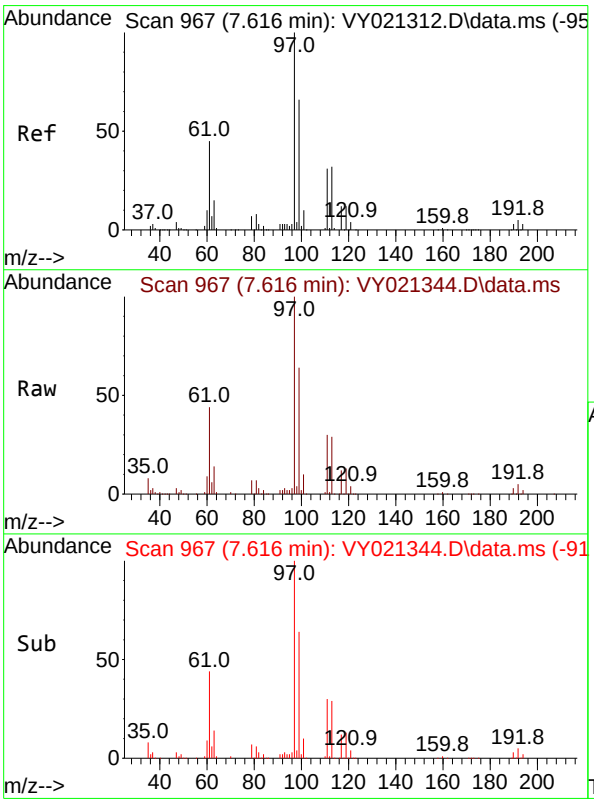
#31
Cyclohexane
Concen: 44.101 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 184463

Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.2	39.4
84	89.5	70.2	105.4

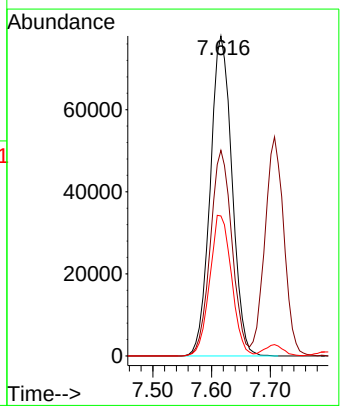


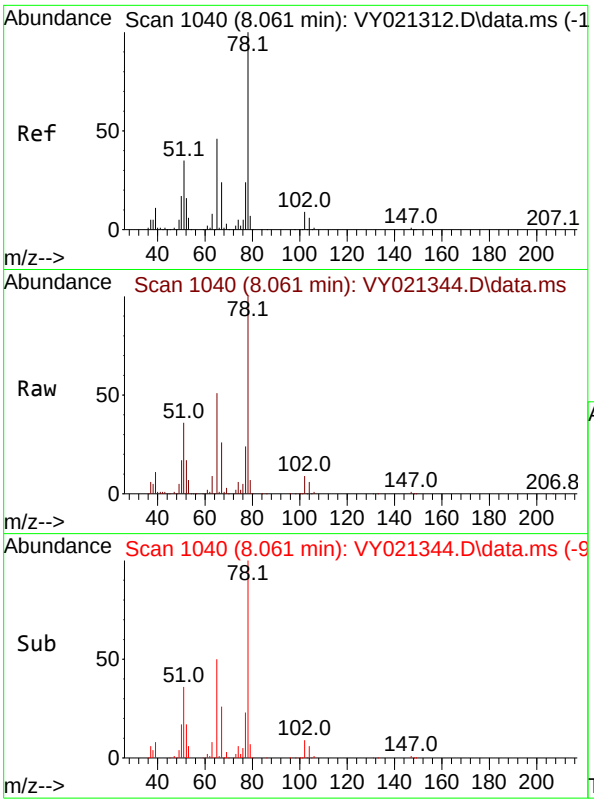


#32
1,1,1-Trichloroethane
Concen: 49.940 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 200425

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	44.2	36.2	54.2



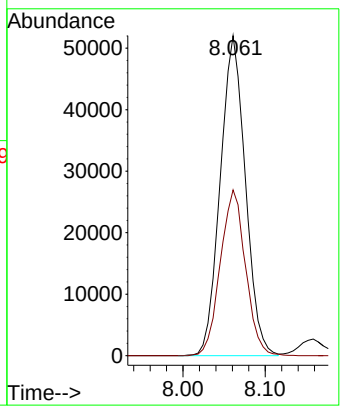


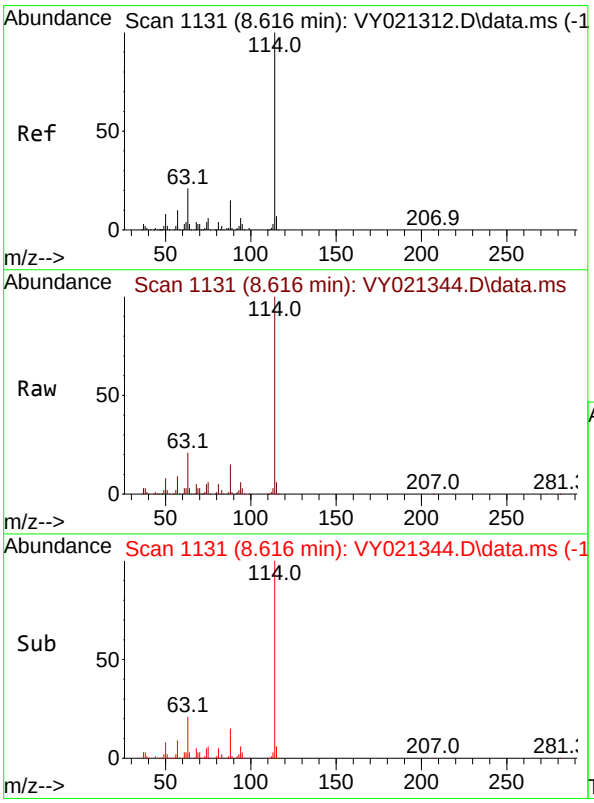
#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 110600

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.6

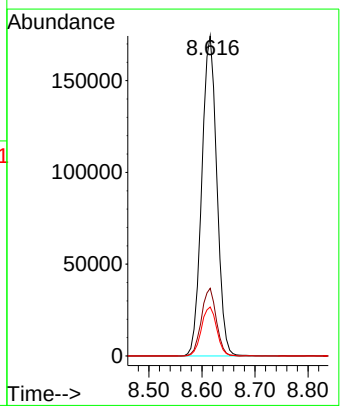


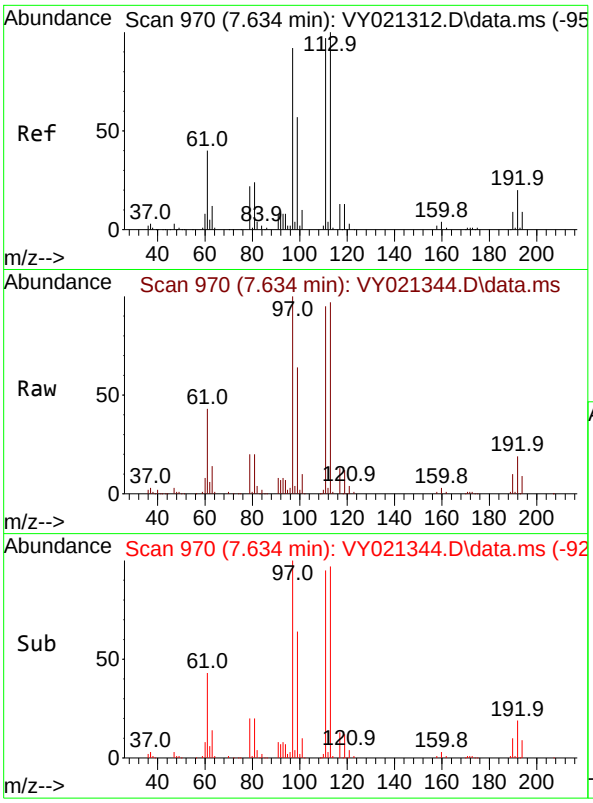


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:114 Resp: 343428

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8



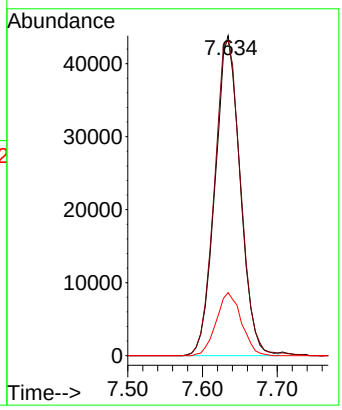


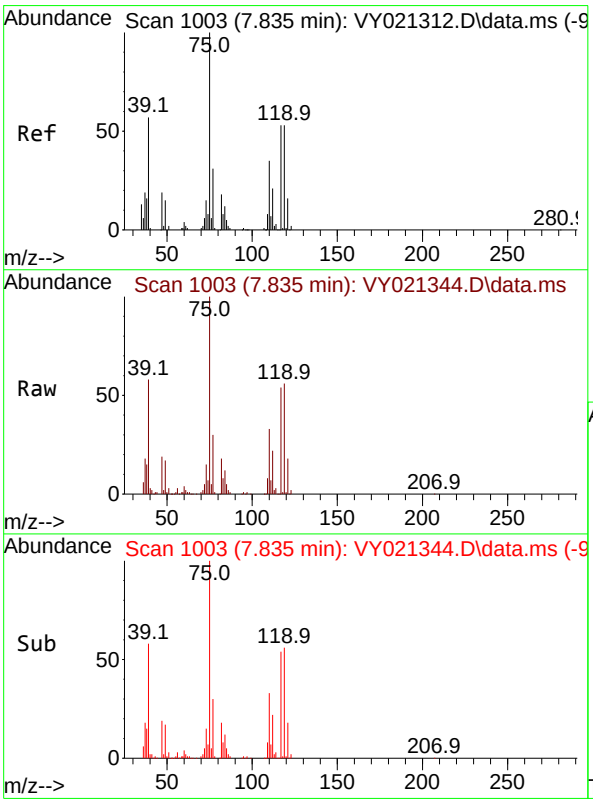
#35
Dibromofluoromethane
Concen: 45.429 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 102286

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	19.8	15.8	23.8

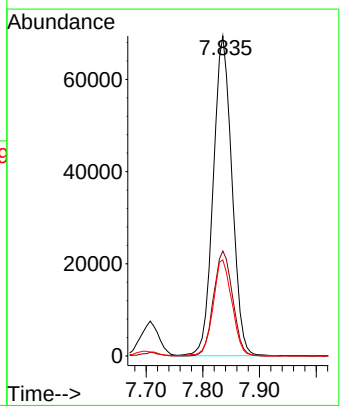


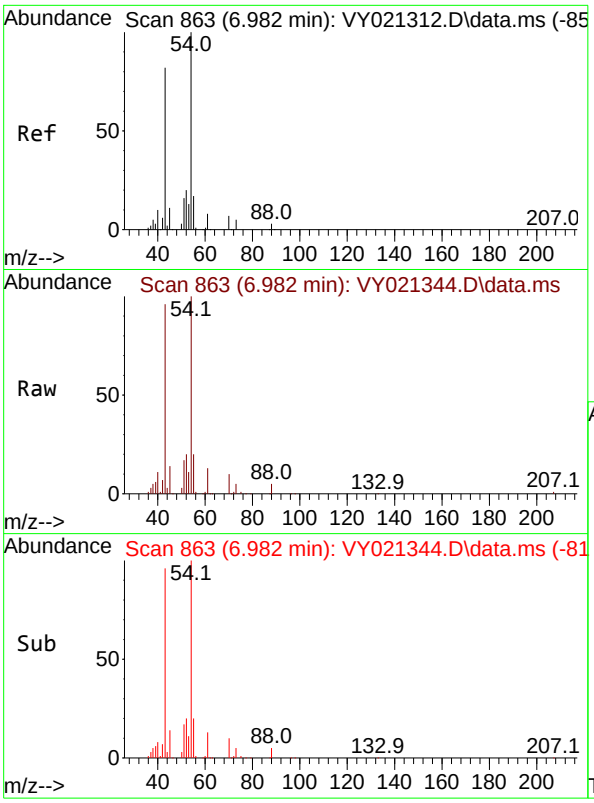


#36
1,1-Dichloropropene
Concen: 46.928 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 158713

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.3	24.6	36.8



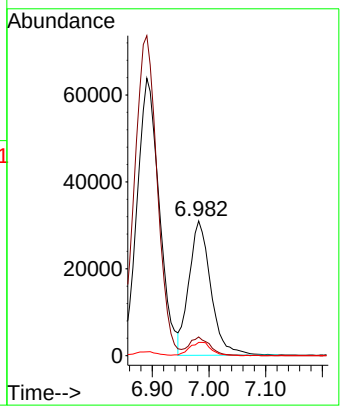


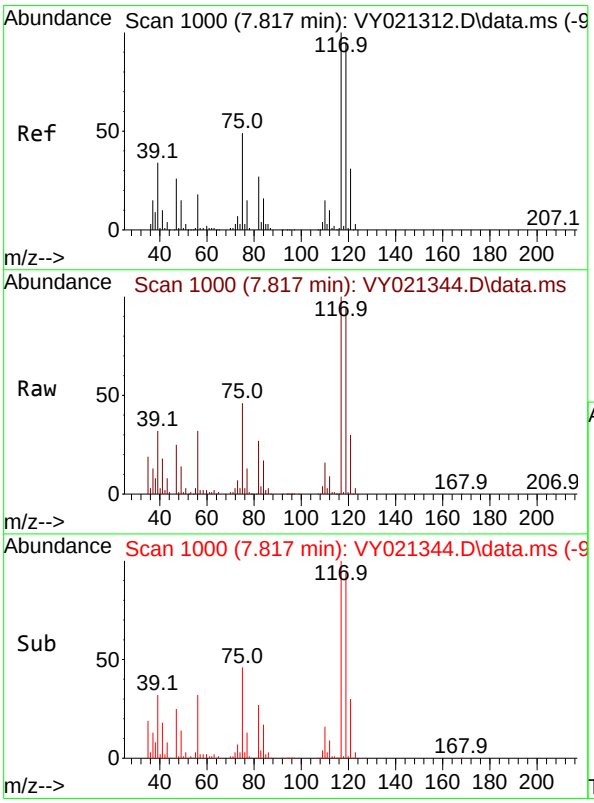
#37
Ethyl Acetate
Concen: 48.999 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 82433

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.0	7.5	11.3

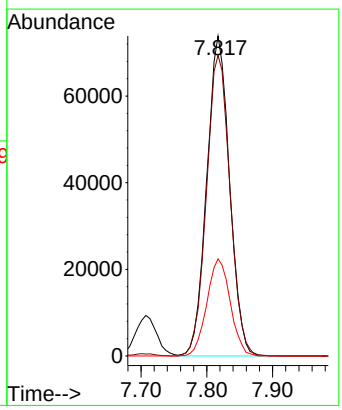


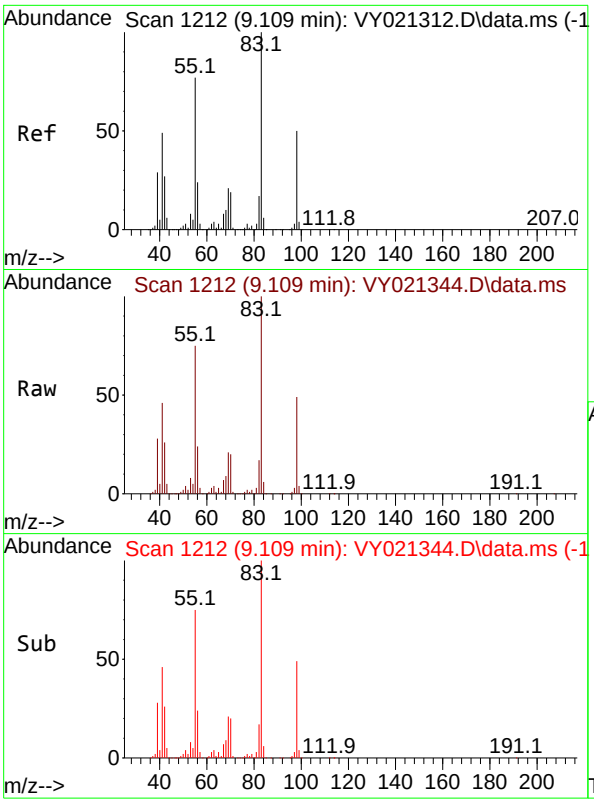


#38
Carbon Tetrachloride
Concen: 46.933 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 178448

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	30.4	24.9	37.3



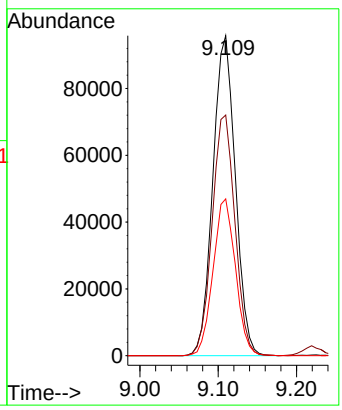


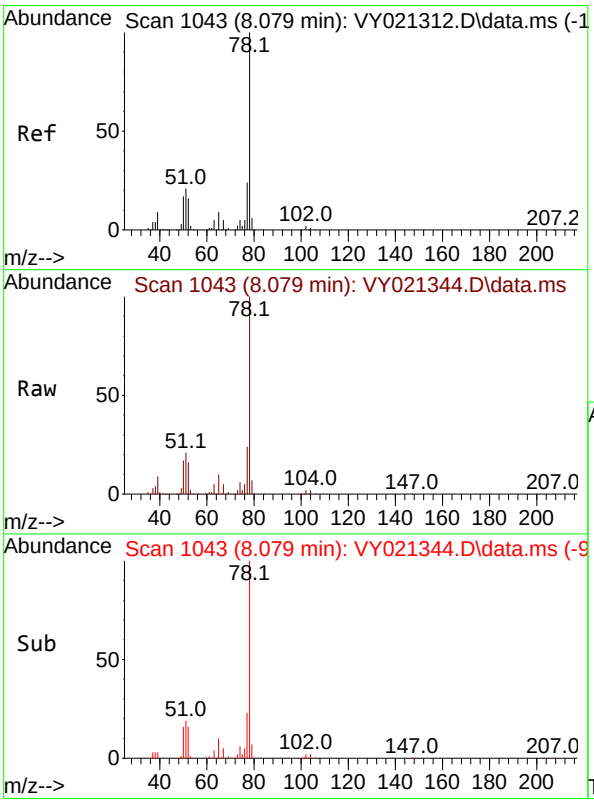
#39
Methylcyclohexane
Concen: 44.707 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 191242

Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.3	91.9
98	49.0	39.9	59.9

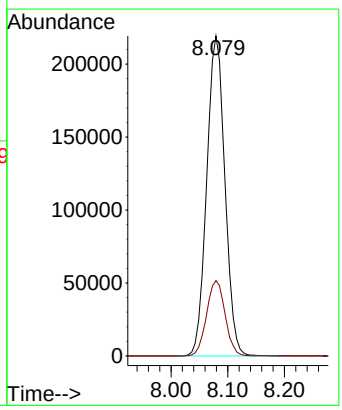


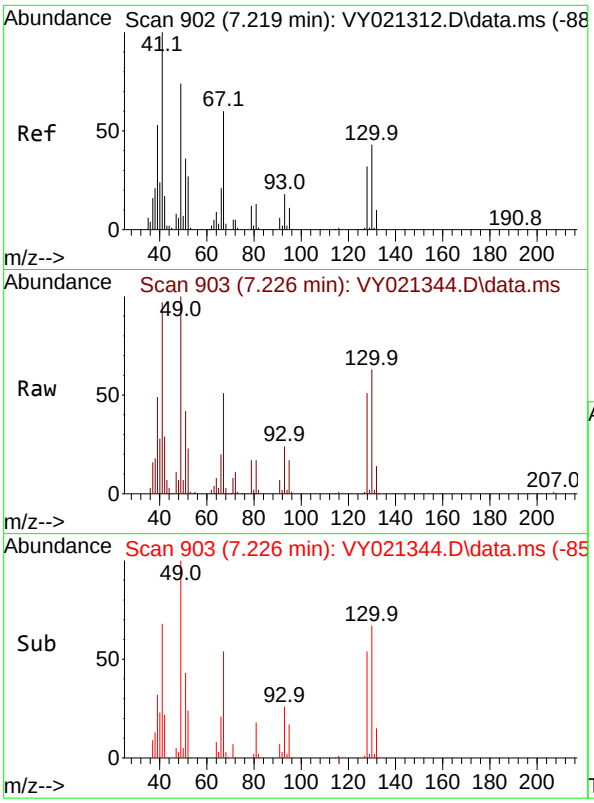


#40
Benzene
Concen: 48.823 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 78 Resp: 488113

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8



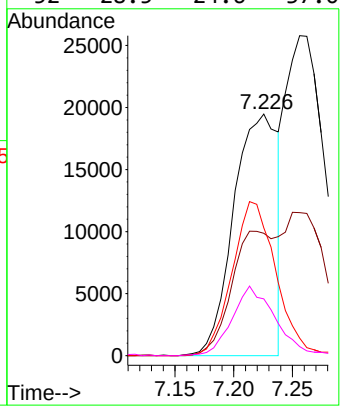


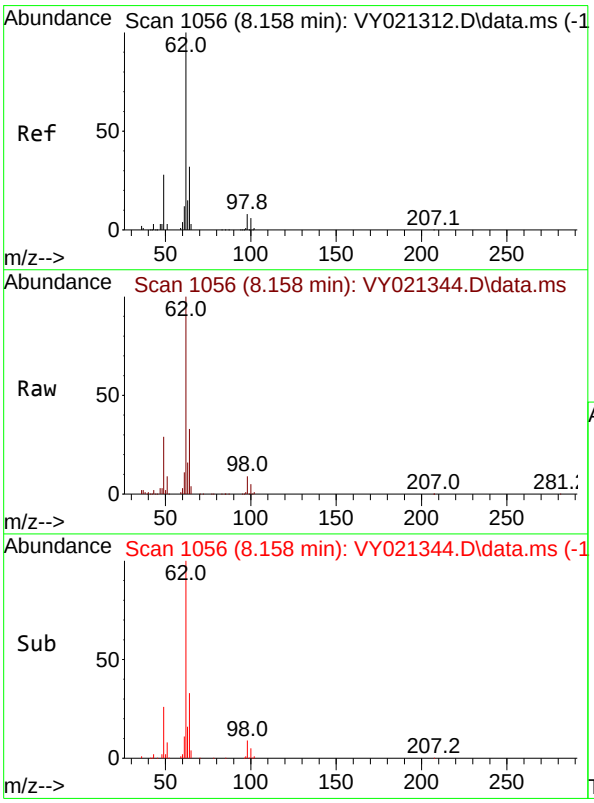
#41
Methacrylonitrile
Concen: 54.039 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 50830

Ion	Ratio	Lower	Upper
41	100		
39	46.4	42.3	63.5
67	63.7	54.8	82.2
52	28.5	24.6	37.0

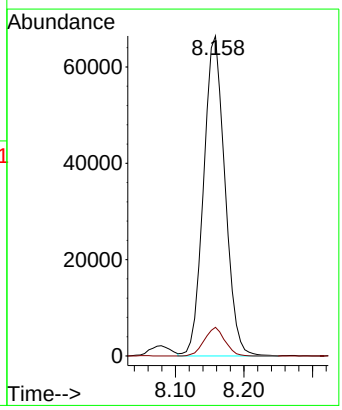


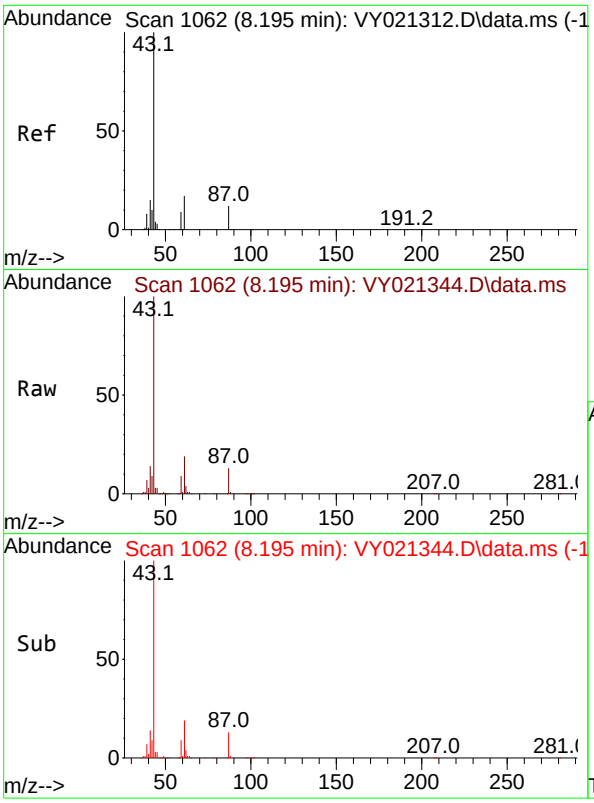


#42
1,2-Dichloroethane
Concen: 50.672 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 143731

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6



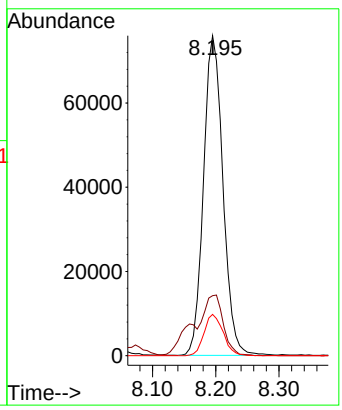


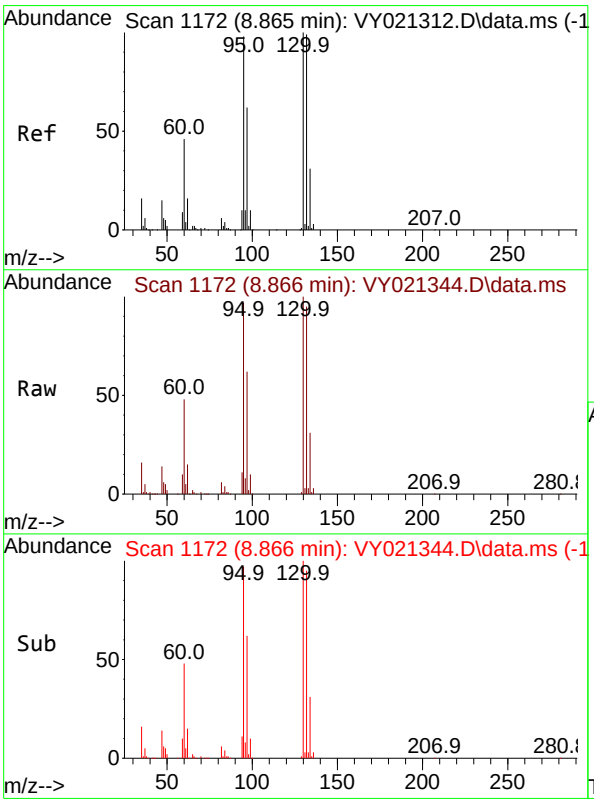
#43
Isopropyl Acetate
Concen: 49.861 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 162361

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.0	22.6
87	12.7	10.0	15.0

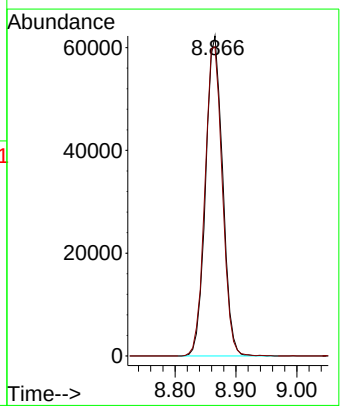


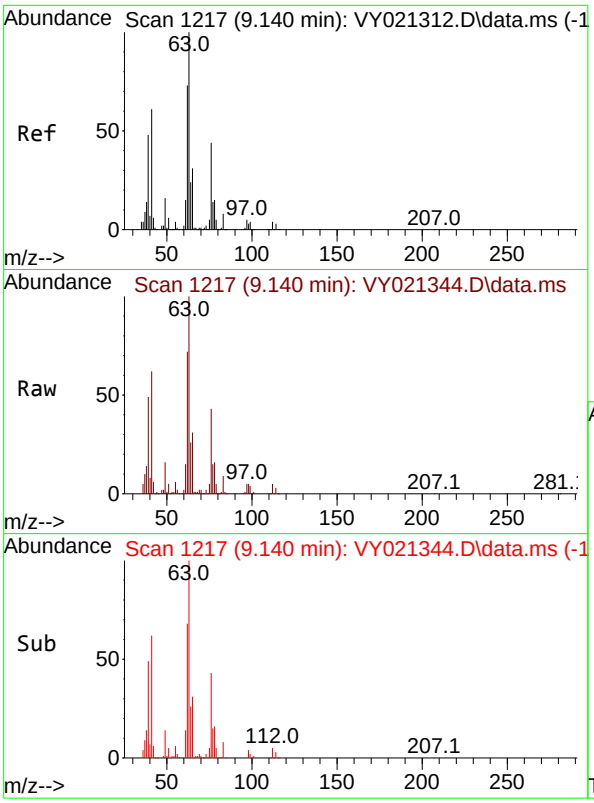


#44
Trichloroethene
Concen: 48.271 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:130 Resp: 120825

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0





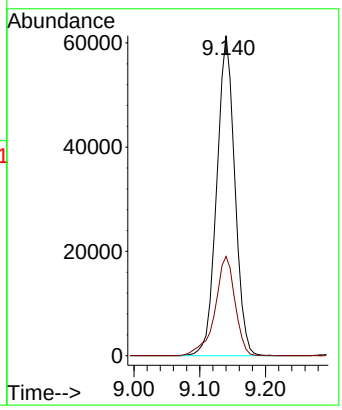
#45
1,2-Dichloropropane
Concen: 48.736 ug/l
RT: 9.140 min Scan# 1

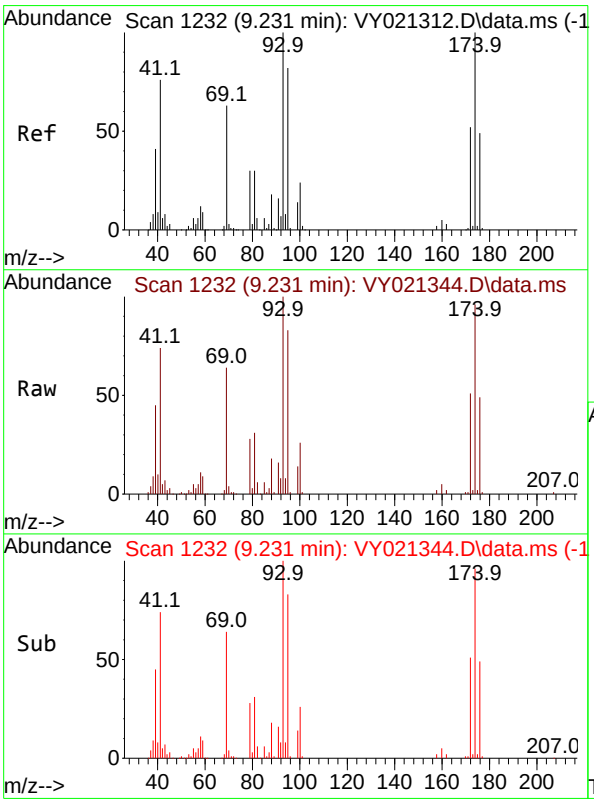
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 117257

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8

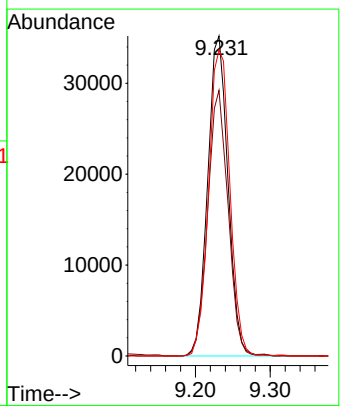


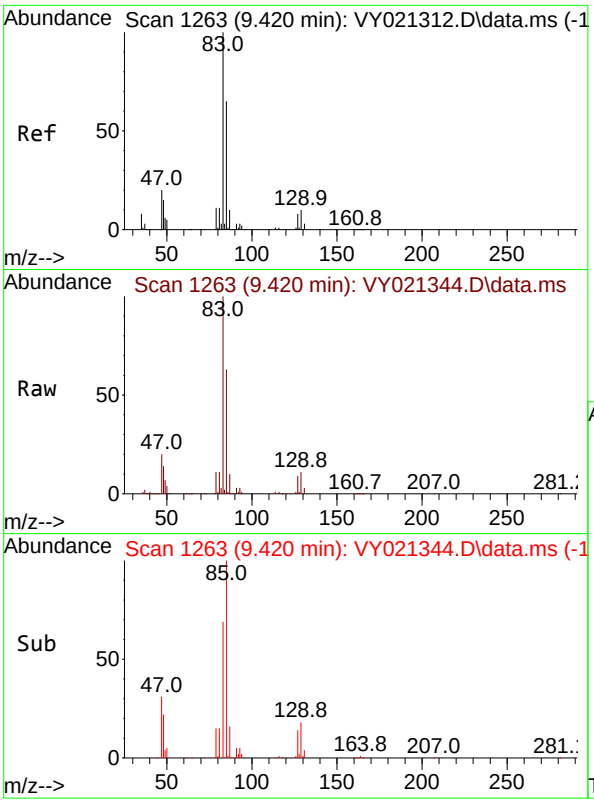


#46
Dibromomethane
Concen: 50.499 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 93 Resp: 66414

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	100.3	78.2	117.2



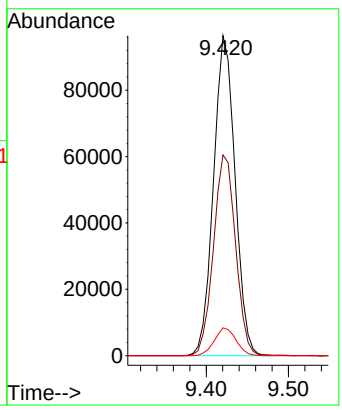


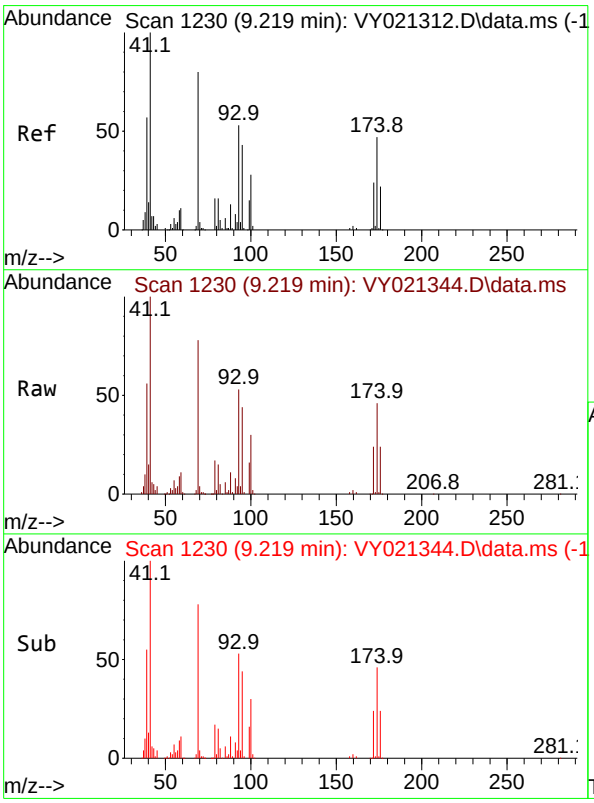
#47
Bromodichloromethane
Concen: 50.086 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 175634

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8
127	8.7	6.7	10.1

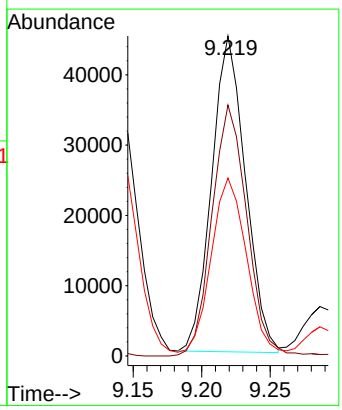


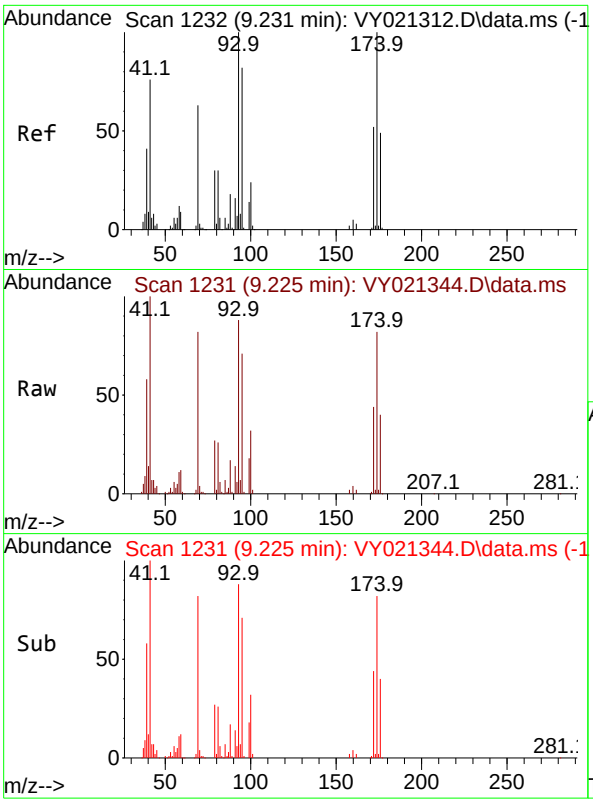


#48
Methyl methacrylate
Concen: 50.619 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 77080

Ion	Ratio	Lower	Upper
41	100		
69	82.7	63.3	94.9
39	57.1	45.0	67.6



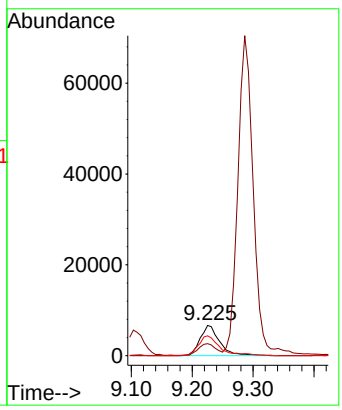


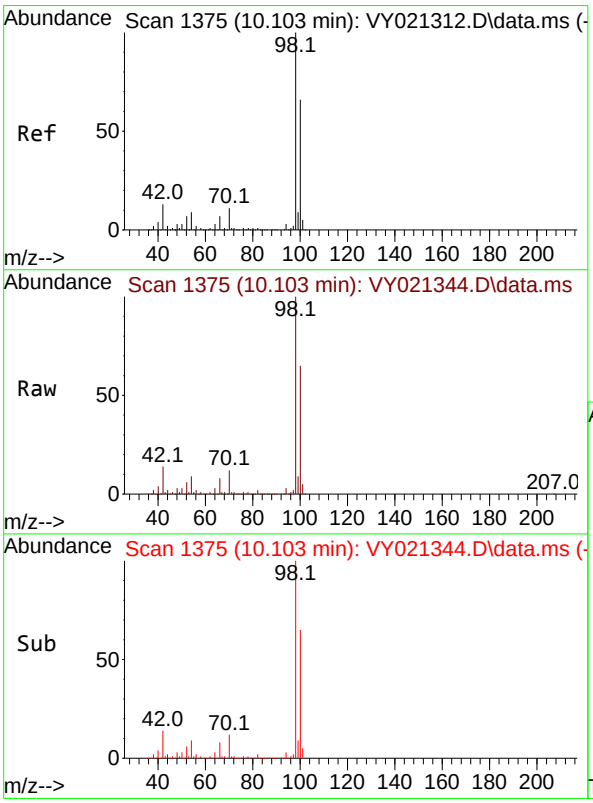
#49
1,4-Dioxane
Concen: 1015.844 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 14855

Ion	Ratio	Lower	Upper
88	100		
43	34.7	34.8	52.2#
58	72.1	59.8	89.6

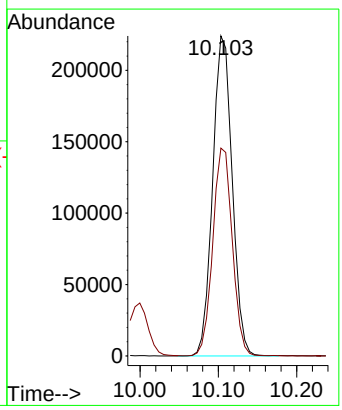


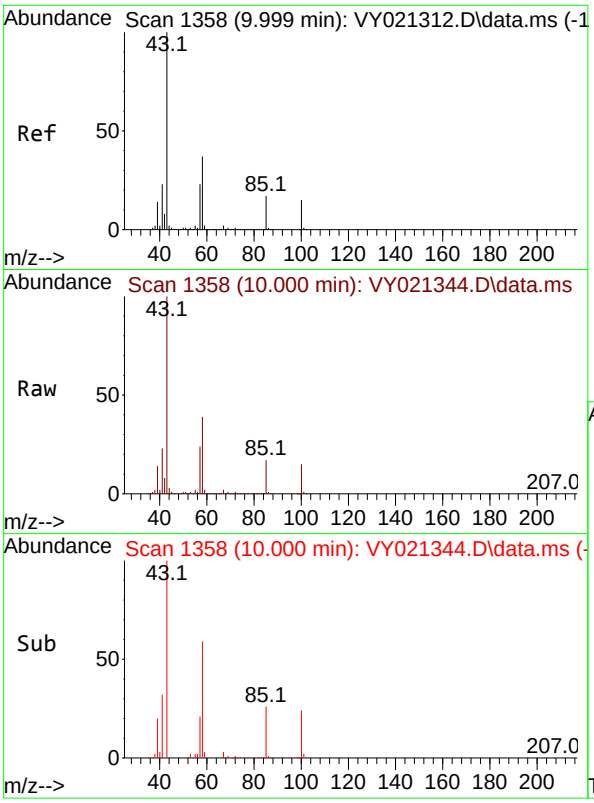


#50
Toluene-d8
Concen: 44.650 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 98 Resp: 388525

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6



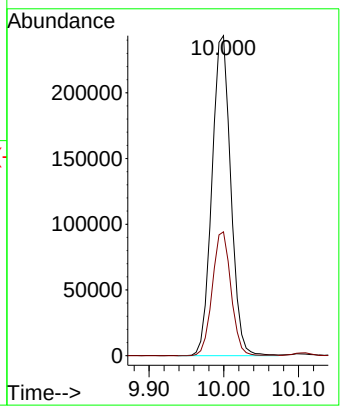


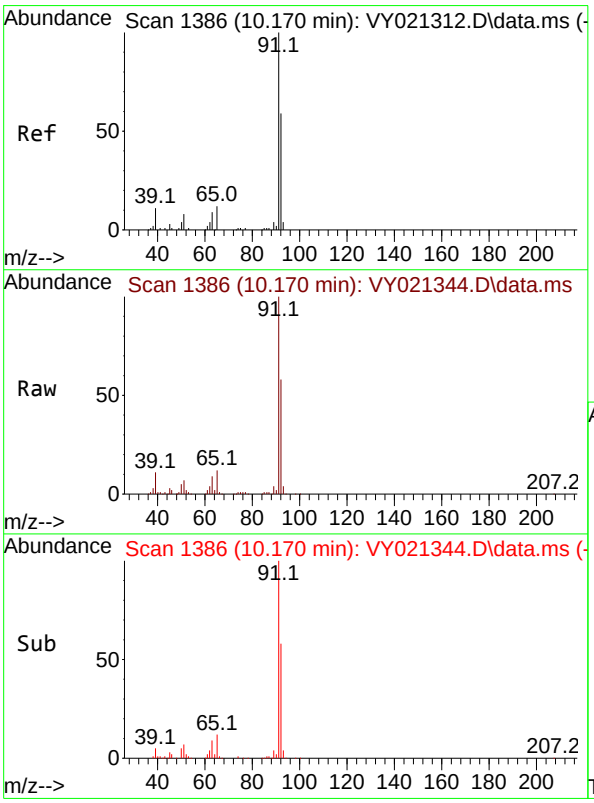
#51
4-Methyl-2-Pentanone
Concen: 254.988 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 425033

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.1	45.1

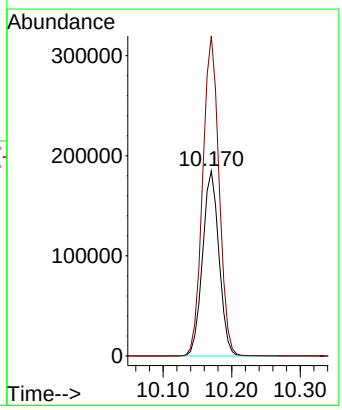


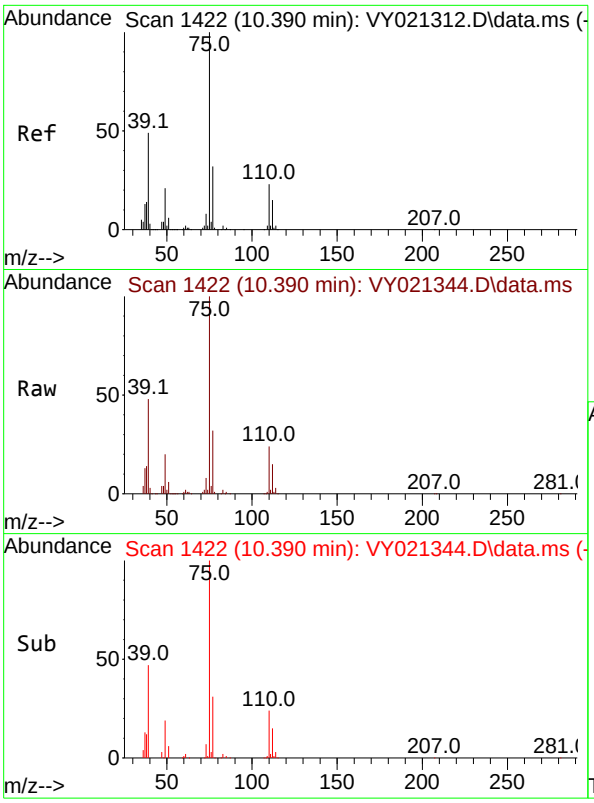


#52
Toluene
Concen: 49.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 92 Resp: 307967

Ion	Ratio	Lower	Upper
92	100		
91	173.1	137.8	206.8



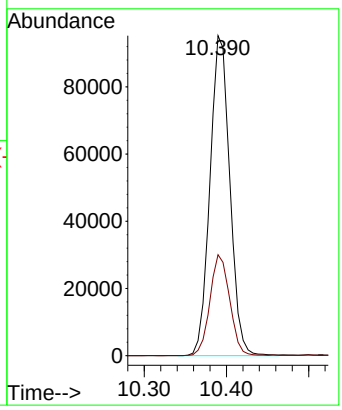


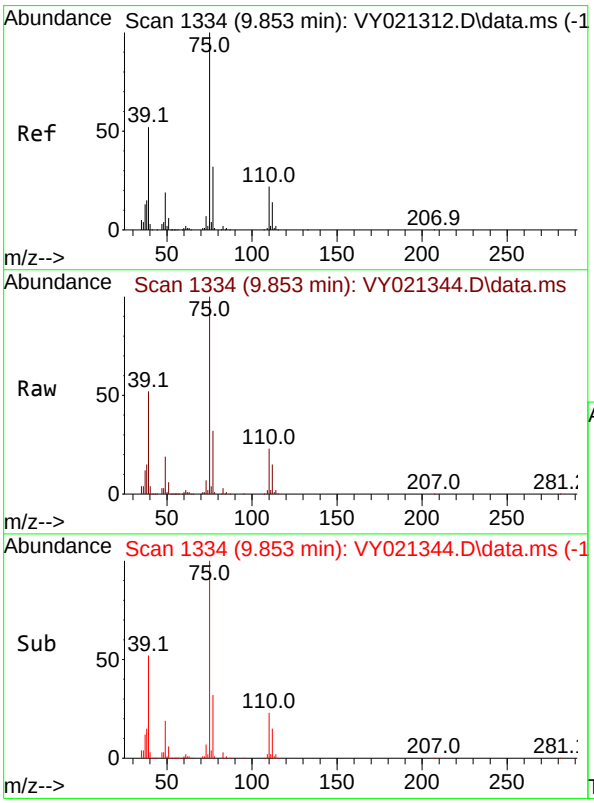
#53
t-1,3-Dichloropropene
Concen: 49.701 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 159678

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

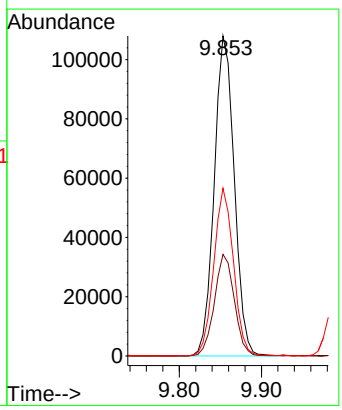


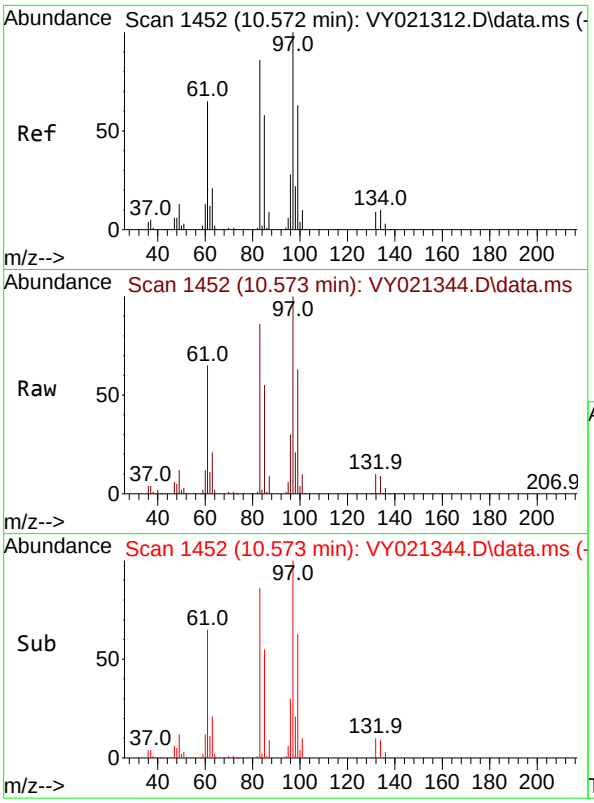


#54
cis-1,3-Dichloropropene
Concen: 48.340 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 183344

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.3	41.8	62.6



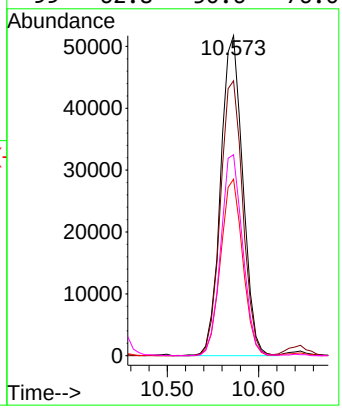


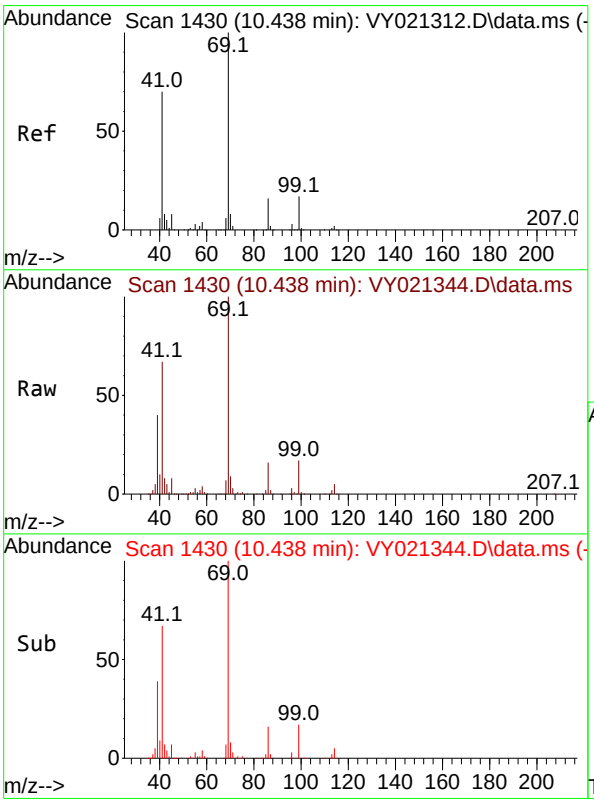
#55
1,1,2-Trichloroethane
Concen: 50.858 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 87133

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	55.1	46.3	69.5
99	62.8	50.6	76.0

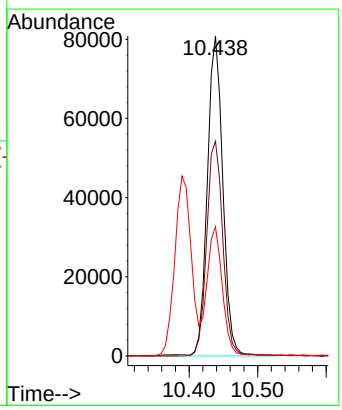


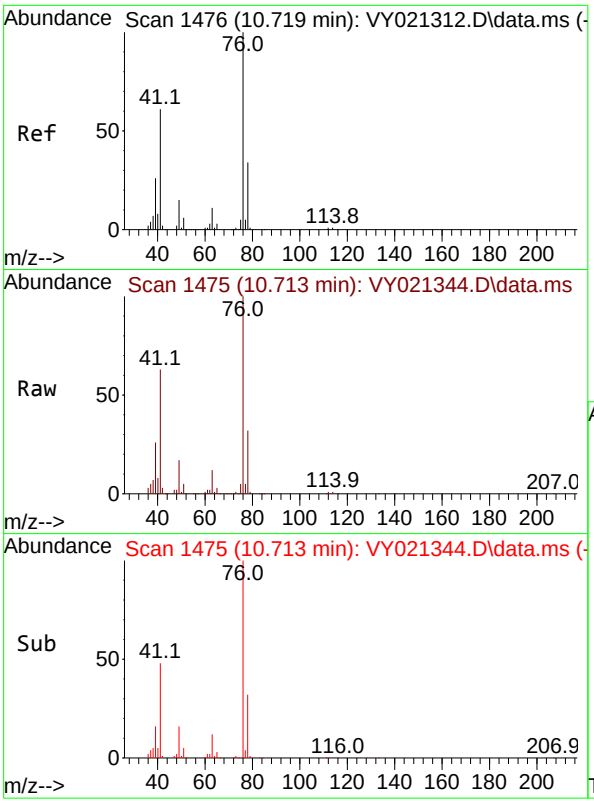


#56
Ethyl methacrylate
Concen: 53.738 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 69 Resp: 127215

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.4
39	40.0	32.7	49.1



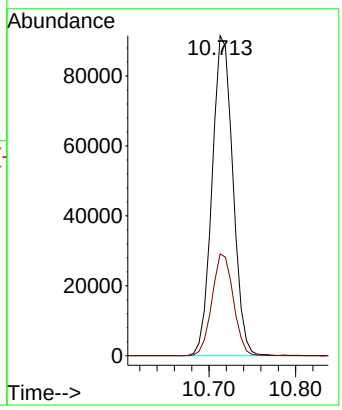


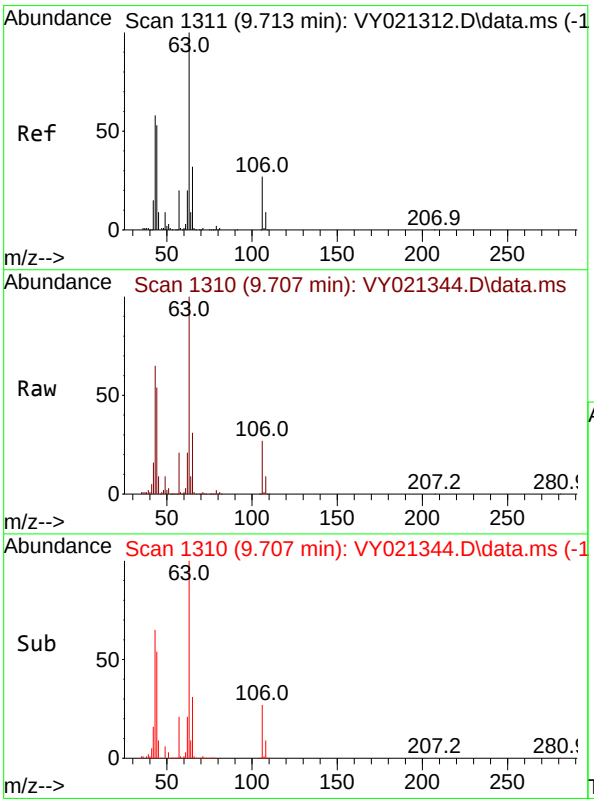
#57
1,3-Dichloropropane
Concen: 50.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 152781

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

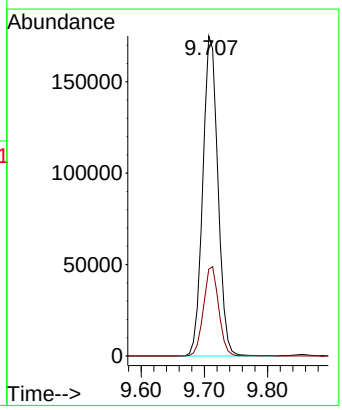


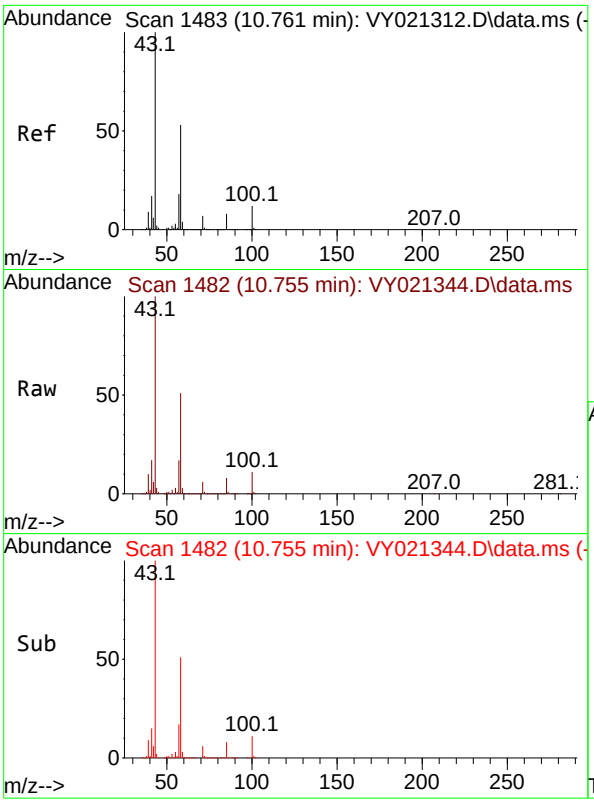


#58
2-Chloroethyl Vinyl ether
Concen: 257.068 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 292101

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.7	32.5



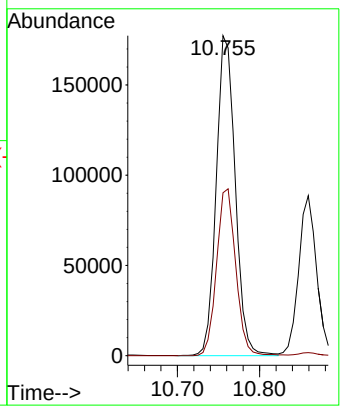


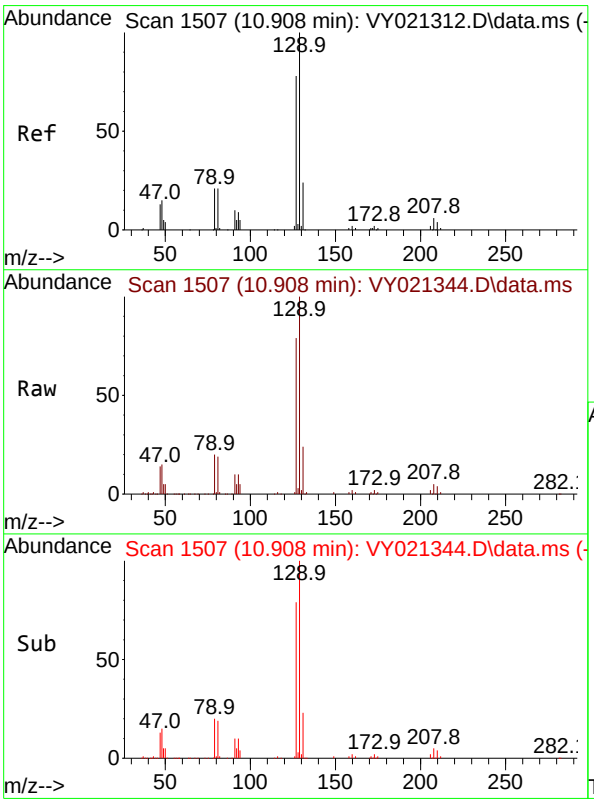
#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 285133

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

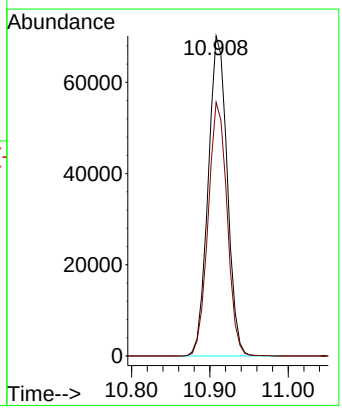


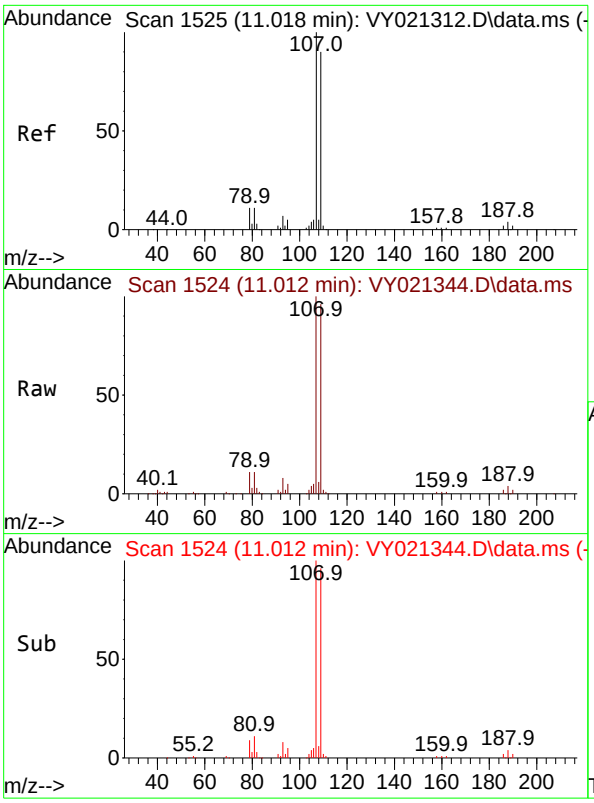


#60
Dibromochloromethane
Concen: 50.788 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:129 Resp: 118508

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.8	116.4



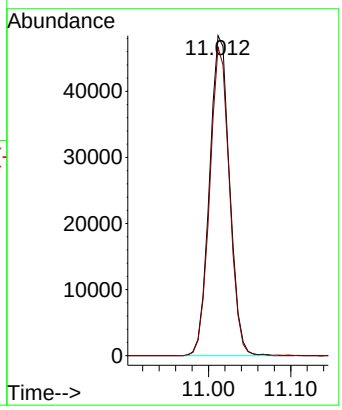


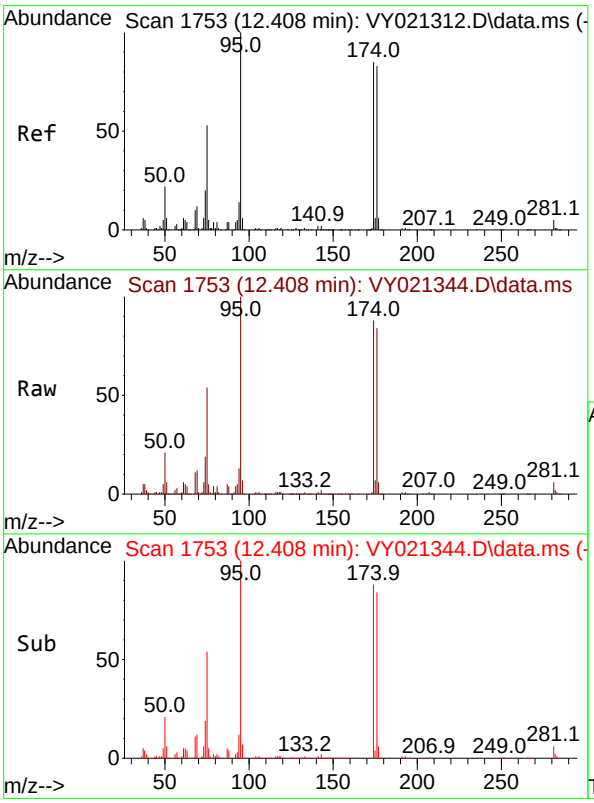
#61
1,2-Dibromoethane
Concen: 50.586 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 82050

Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.8	110.8

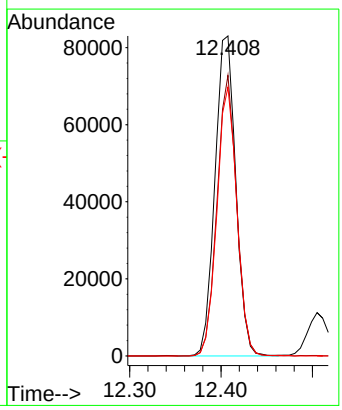


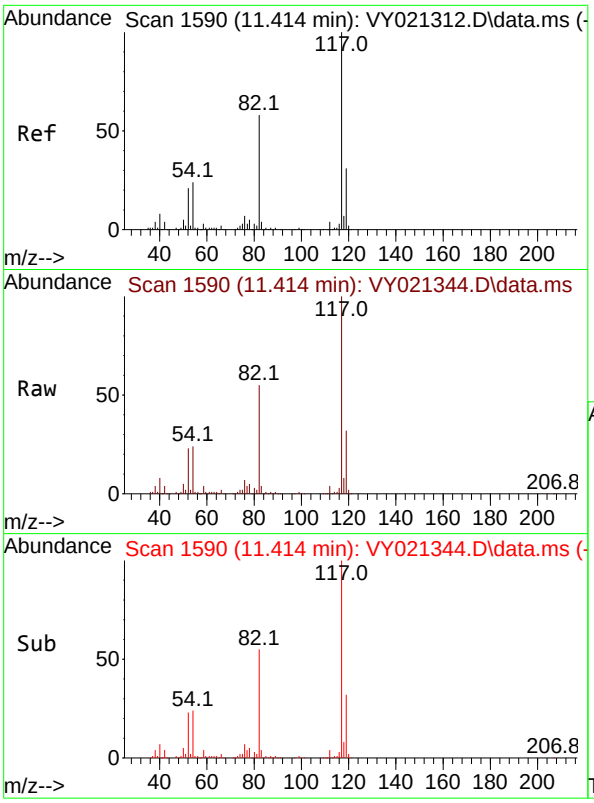


#62
4-Bromofluorobenzene
Concen: 44.933 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 95 Resp: 131584

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	168.0
176	80.5	0.0	162.6



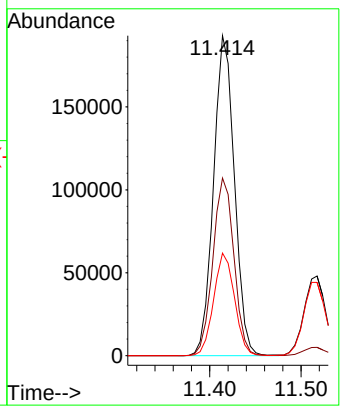


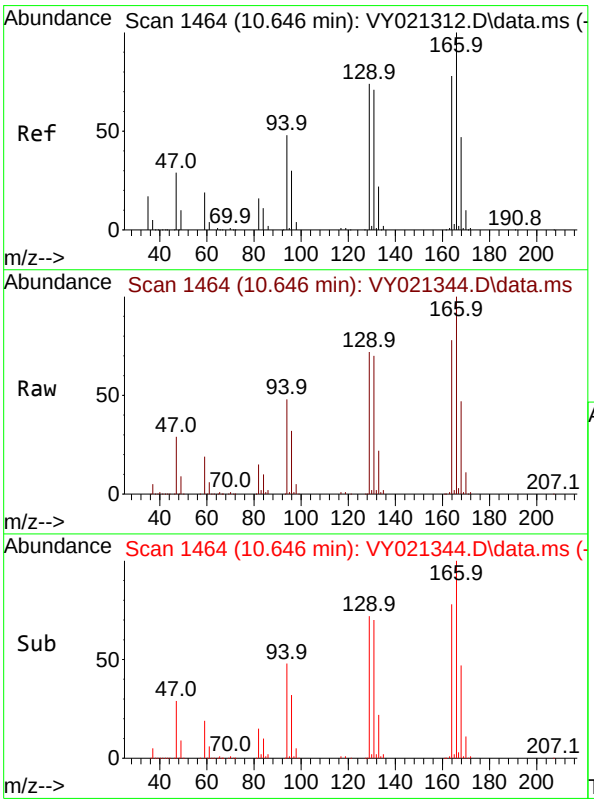
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 305969

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.2	69.4
119	32.0	24.9	37.3

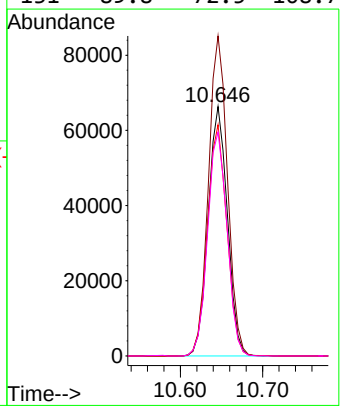


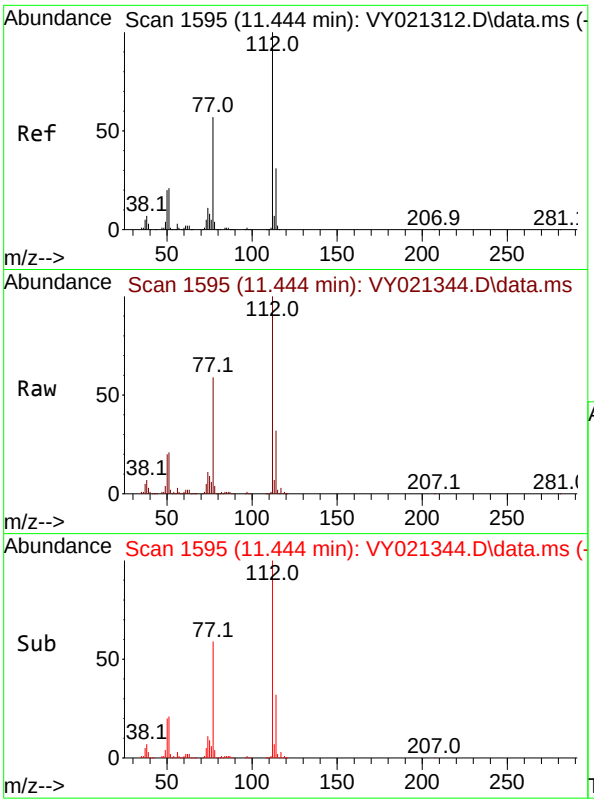


#64
Tetrachloroethene
Concen: 46.783 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:164 Resp: 108193

Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	92.7	75.5	113.3
131	89.8	72.5	108.7



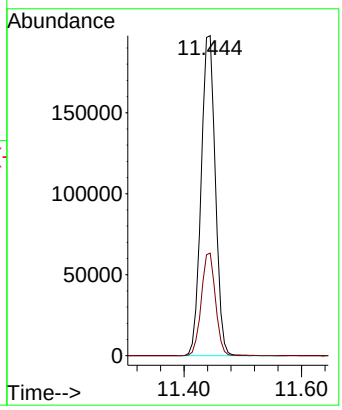


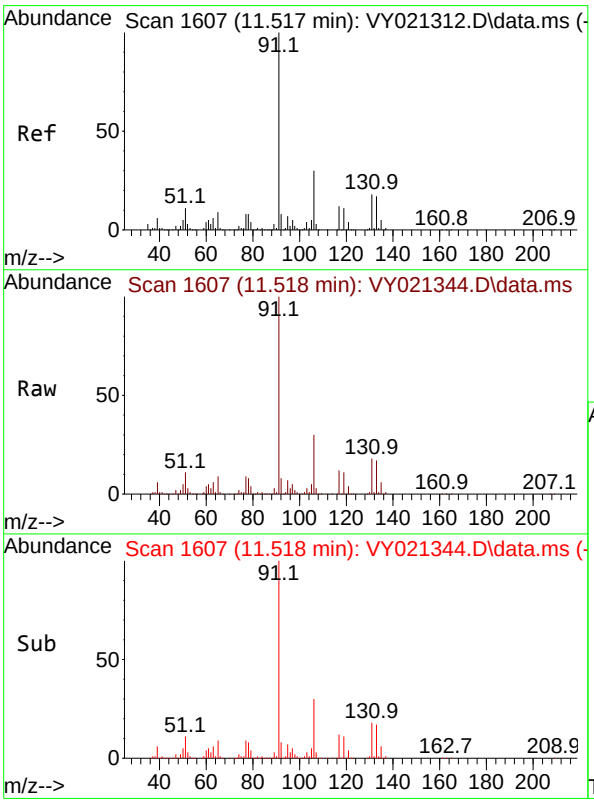
#65
Chlorobenzene
Concen: 48.330 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 331937

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

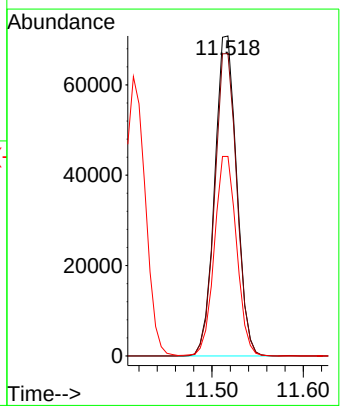


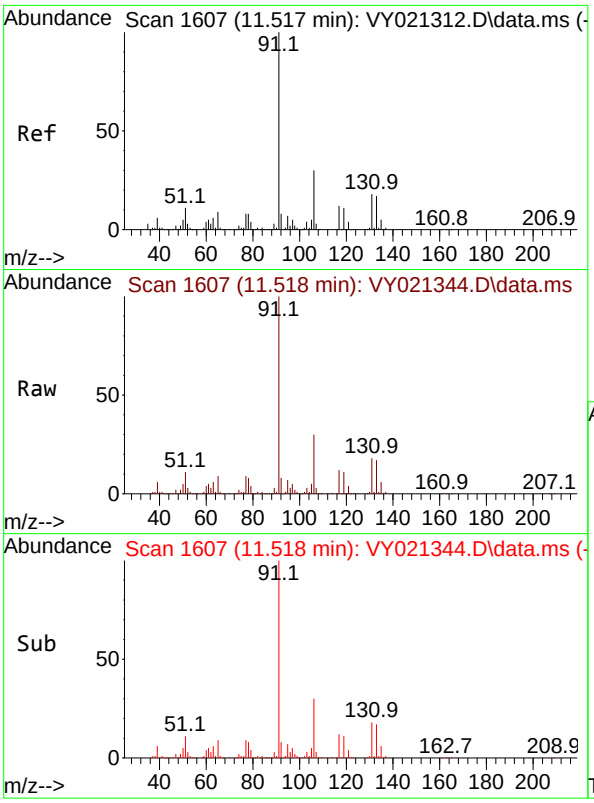


#66
1,1,1,2-Tetrachloroethane
Concen: 49.313 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:131 Resp: 118595

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.6
119	63.2	31.7	95.1



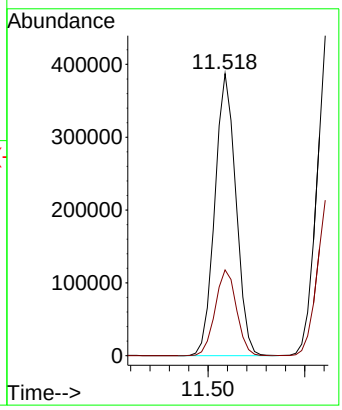


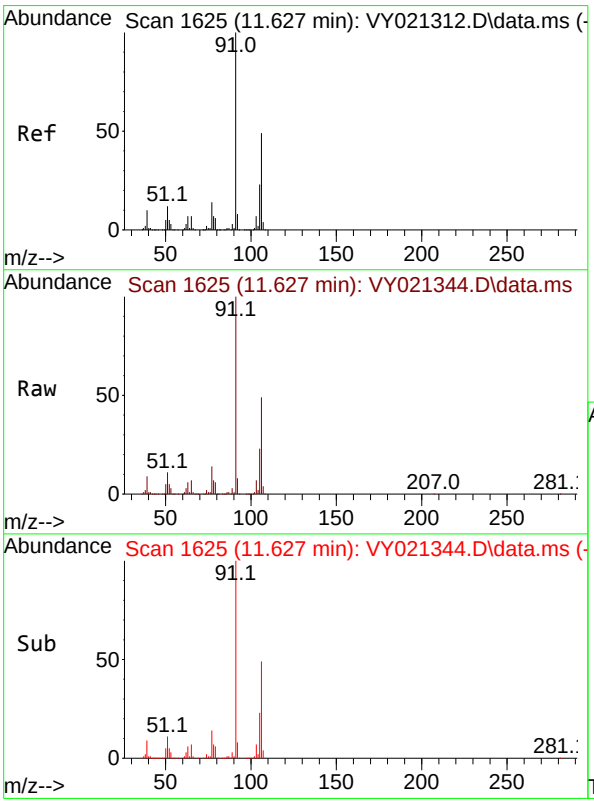
#67
Ethyl Benzene
Concen: 48.106 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 585231

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.4	36.6

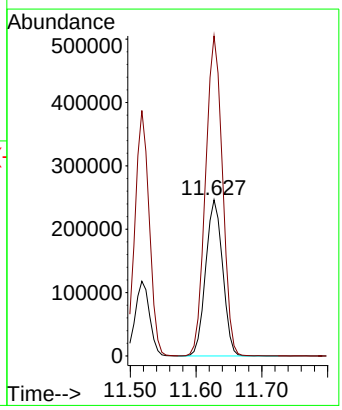


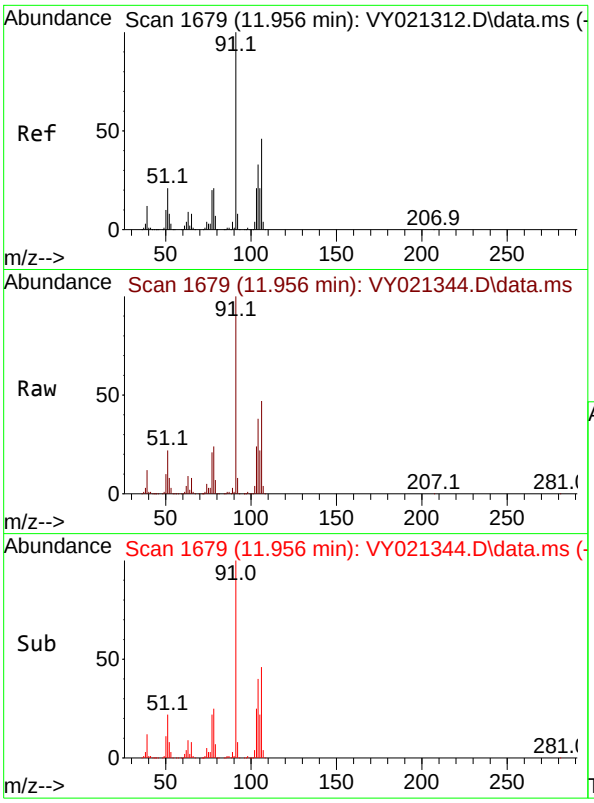


#68
m/p-Xylenes
Concen: 96.556 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 441830

Ion	Ratio	Lower	Upper
106	100		
91	205.2	163.9	245.9



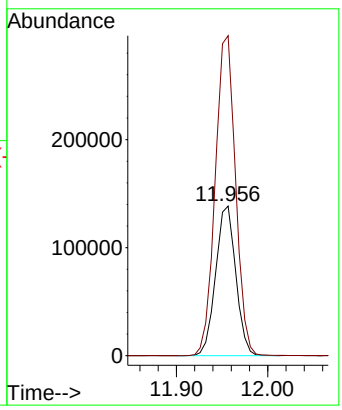


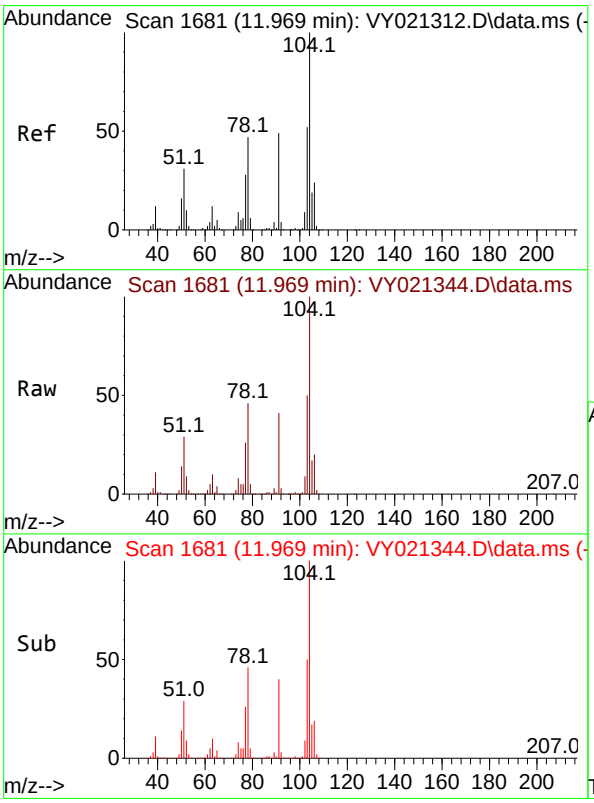
#69
o-Xylene
Concen: 49.544 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 212382

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

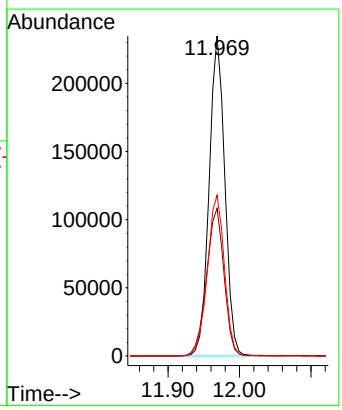


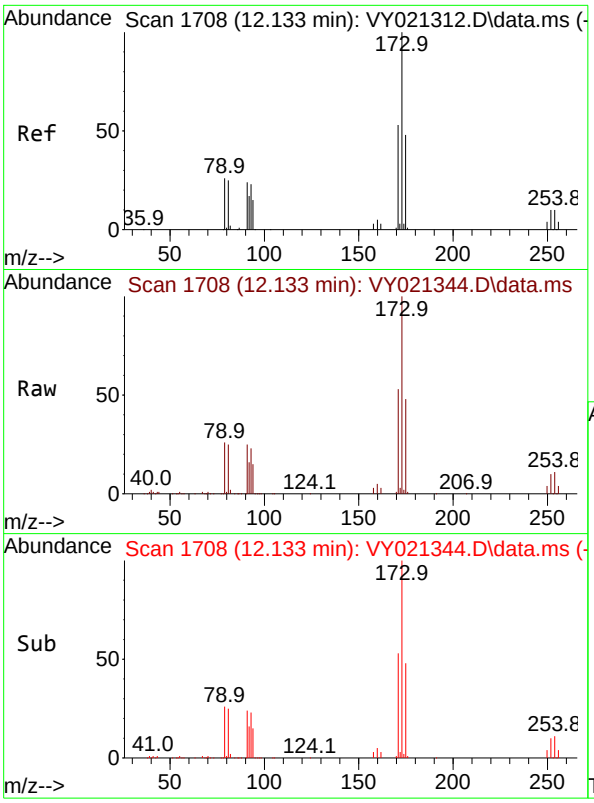


#70
Styrene
Concen: 50.170 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:104 Resp: 357830

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.3	61.9
103	54.8	43.9	65.9



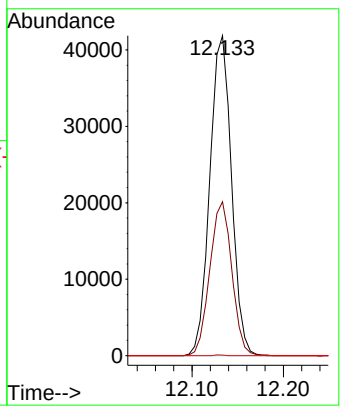


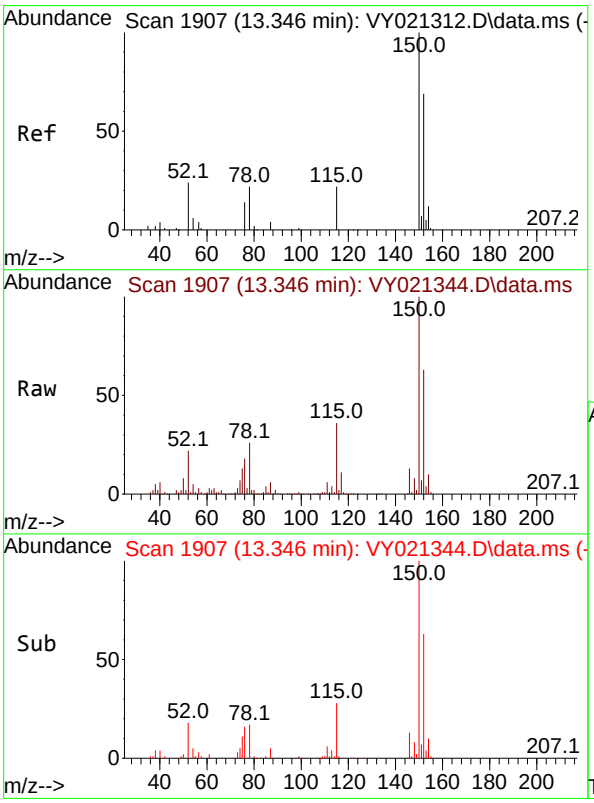
#71
Bromoform
Concen: 50.071 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 68887

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1

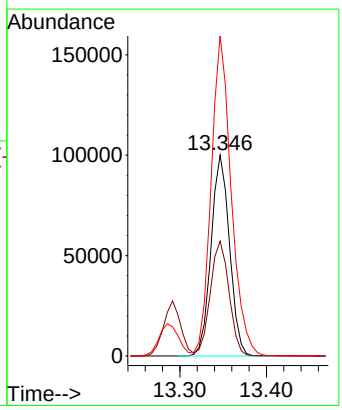


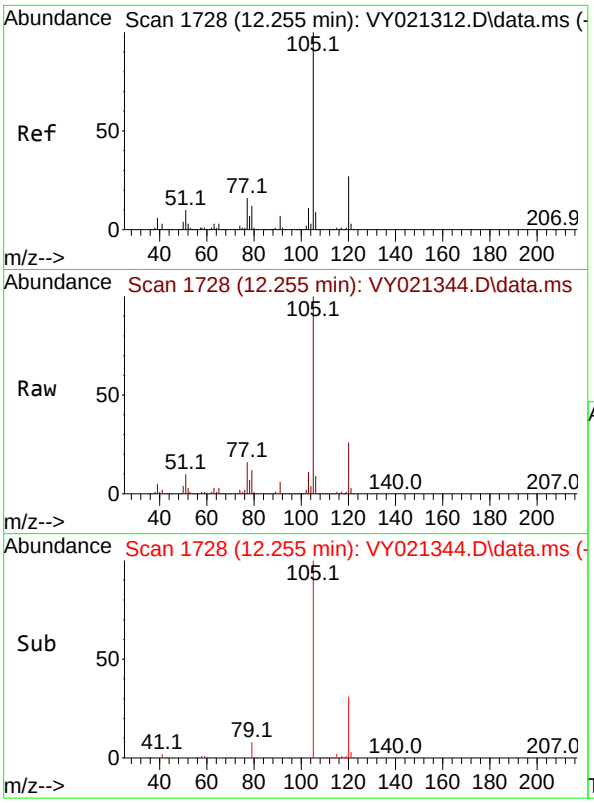


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:152 Resp: 148168

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	173.1	0.0	347.4



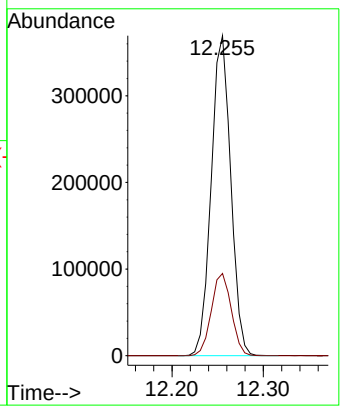


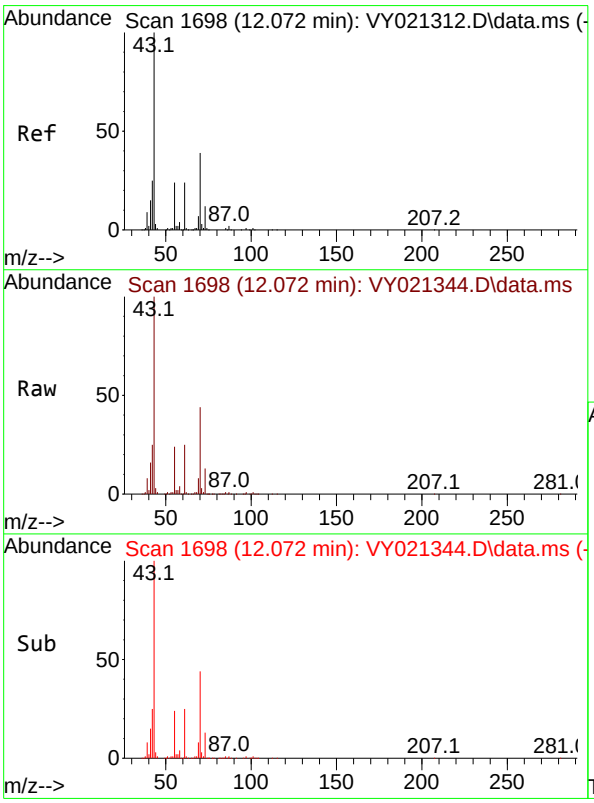
#73
Isopropylbenzene
Concen: 49.240 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 548496

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8

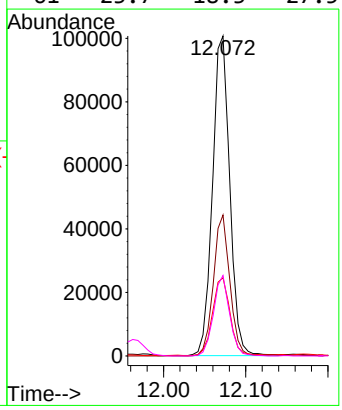


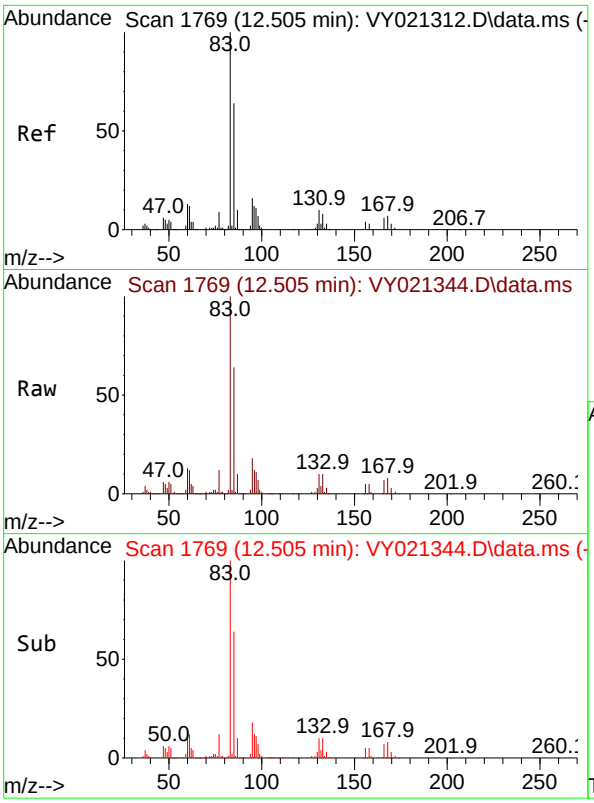


#74
N-amyl acetate
Concen: 51.825 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 146735

Ion	Ratio	Lower	Upper
43	100		
70	42.1	32.2	48.2
55	24.8	19.6	29.4
61	23.7	18.3	27.5



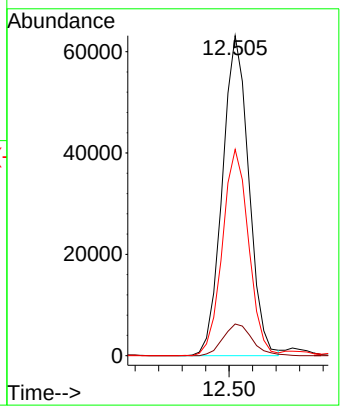


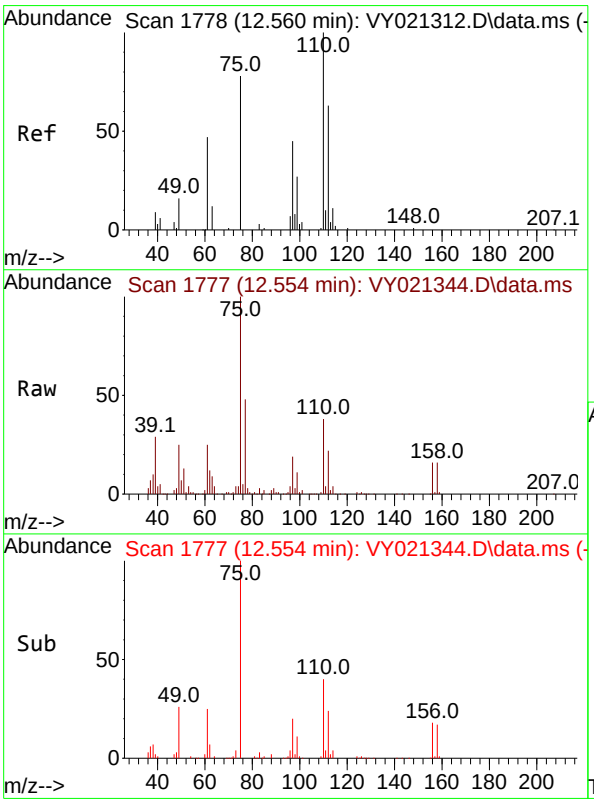
#75
1,1,2,2-Tetrachloroethane
Concen: 50.176 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 98641

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.0	32.0	96.0

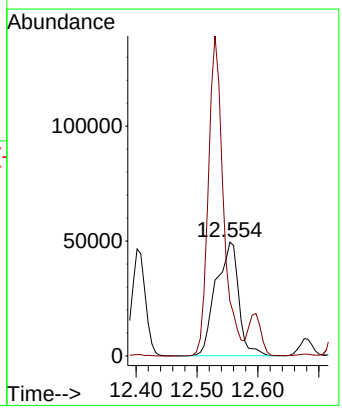


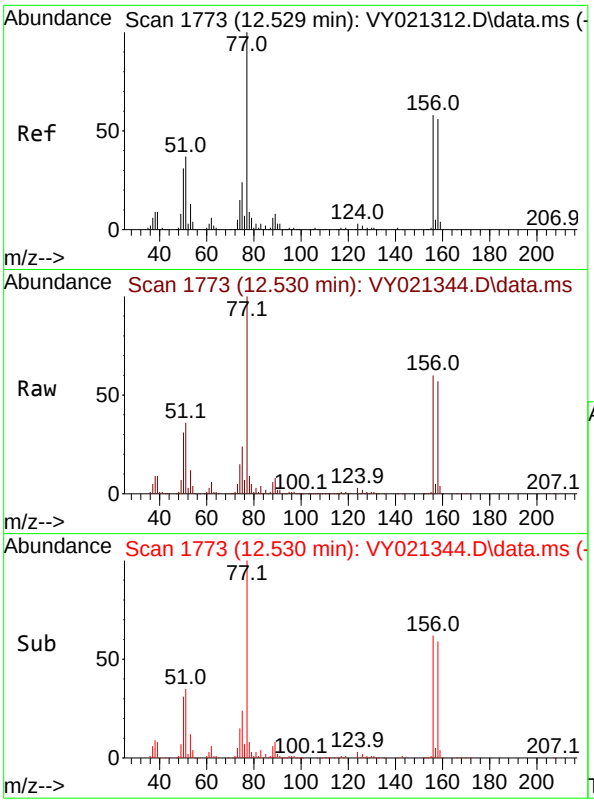


#76
1,2,3-Trichloropropane
Concen: 86.792 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 128720

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



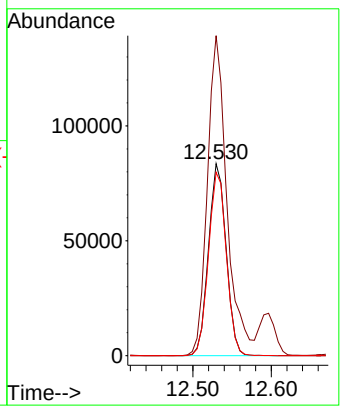


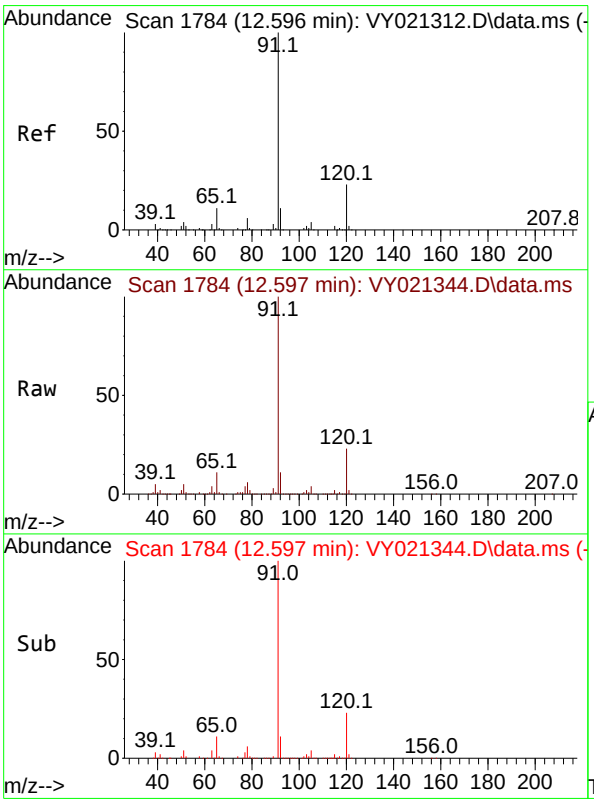
#77
Bromobenzene
Concen: 50.469 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 130762

Ion	Ratio	Lower	Upper
156	100		
77	184.7	94.0	282.1
158	96.6	48.7	146.1

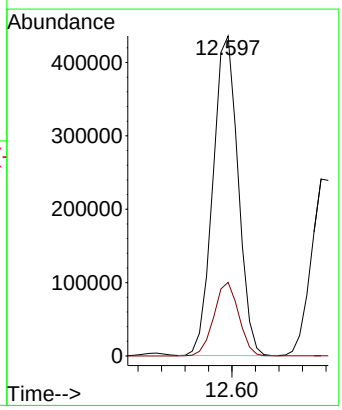


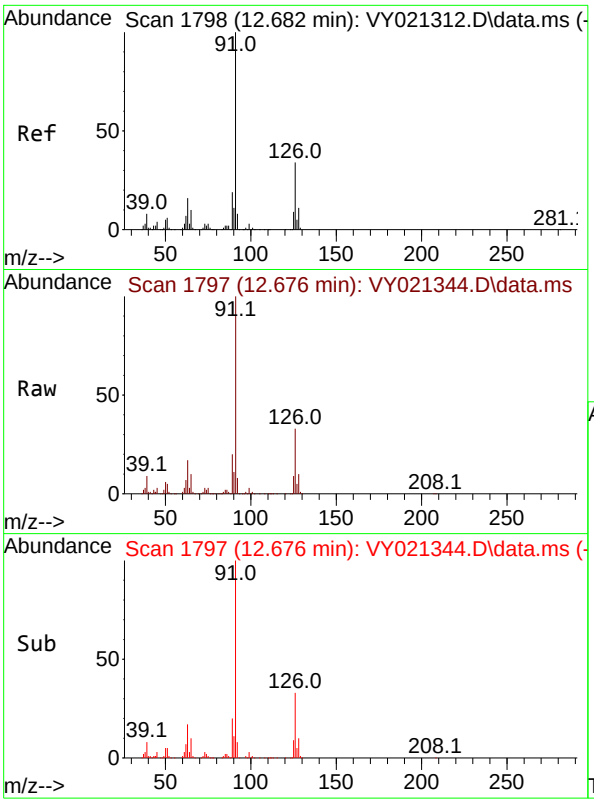


#78
n-propylbenzene
Concen: 47.897 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 647434

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5



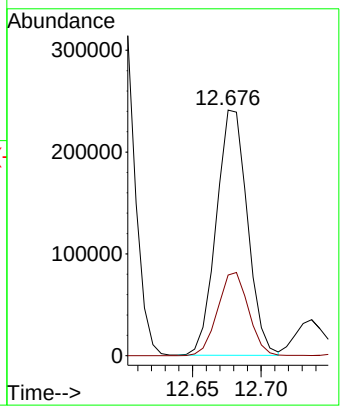


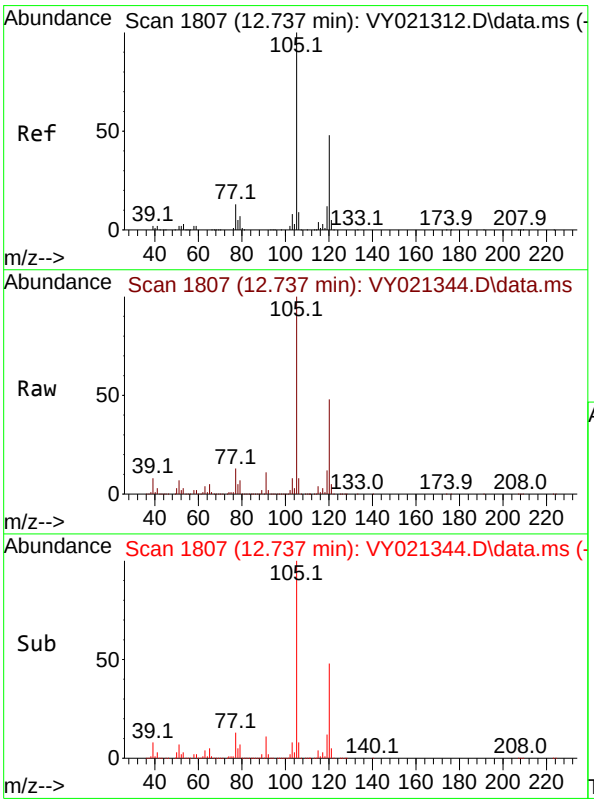
#79
2-Chlorotoluene
Concen: 49.187 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 381569

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

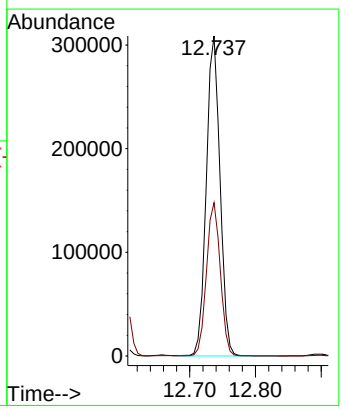


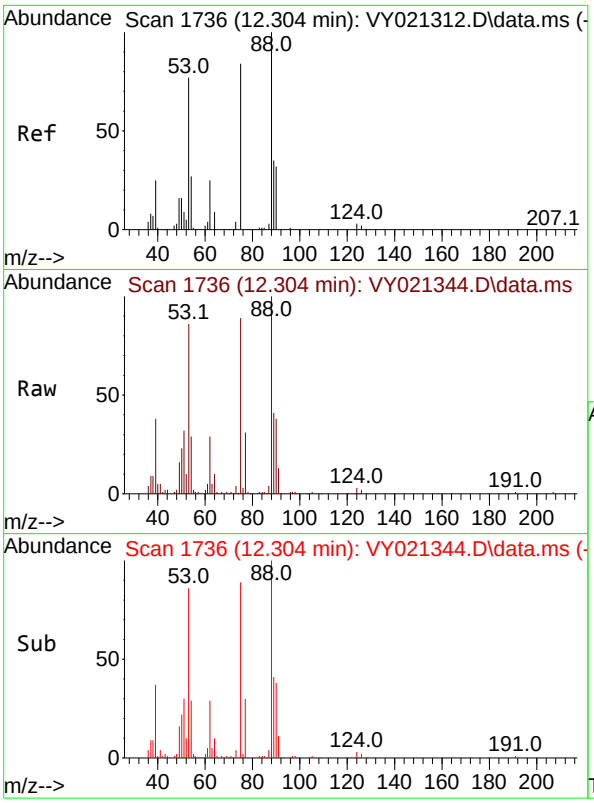


#80
1,3,5-Trimethylbenzene
Concen: 49.048 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 448101

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	73.0



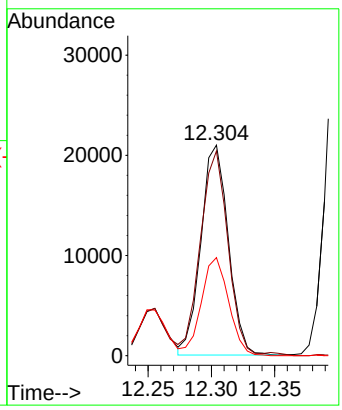


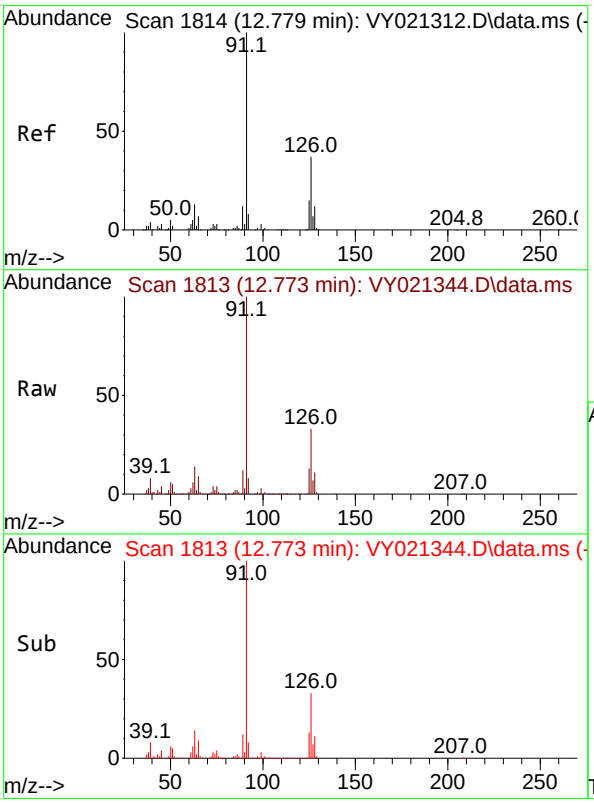
#81
trans-1,4-Dichloro-2-butene
Concen: 47.460 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 31668

Ion	Ratio	Lower	Upper
75	100		
53	95.9	79.1	118.7
89	46.7	35.6	53.4

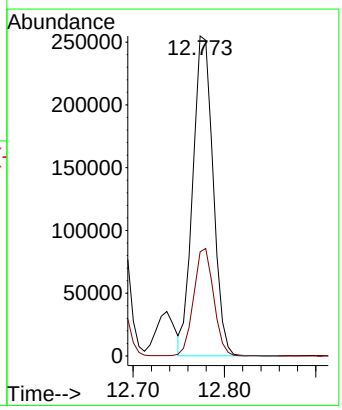


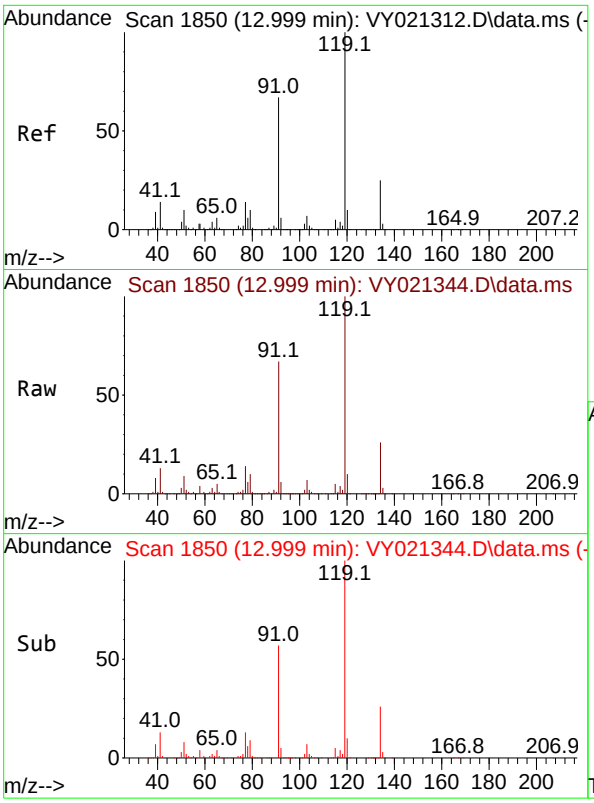


#82
4-Chlorotoluene
Concen: 48.755 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 392065

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



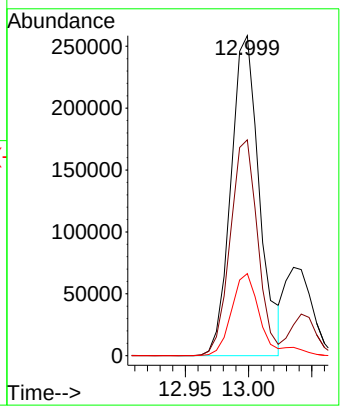


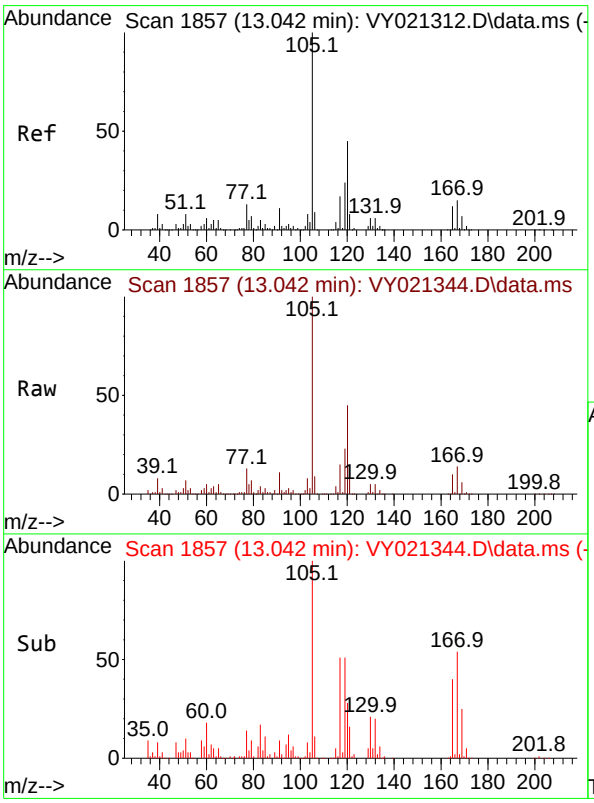
#83
tert-Butylbenzene
Concen: 49.124 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 405401

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.5	13.3	39.9

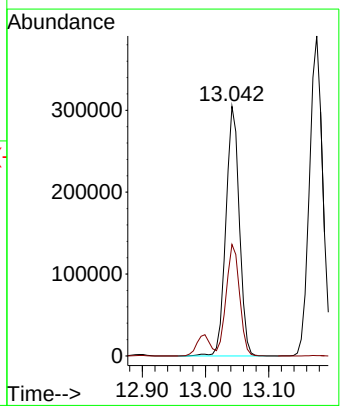


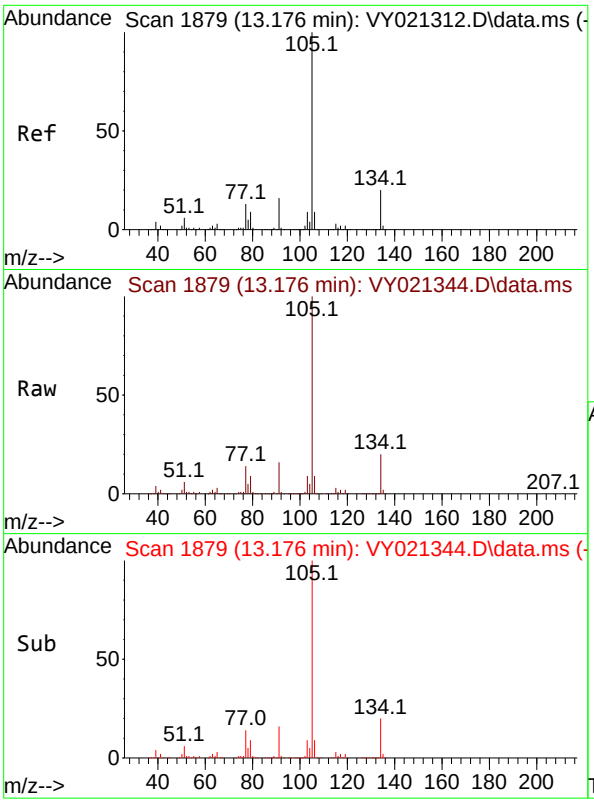


#84
1,2,4-Trimethylbenzene
Concen: 49.422 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 449054

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3



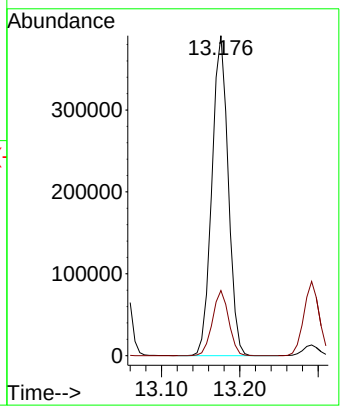


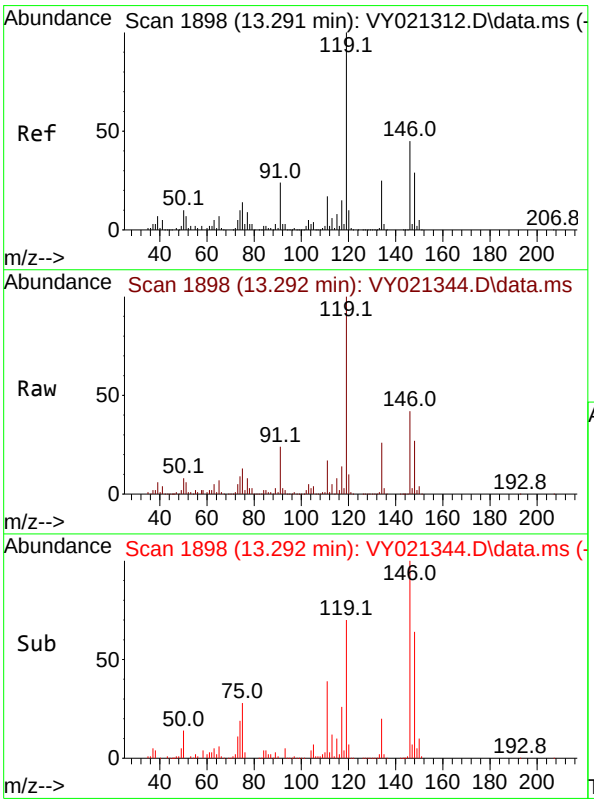
#85
sec-Butylbenzene
Concen: 46.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 564734

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

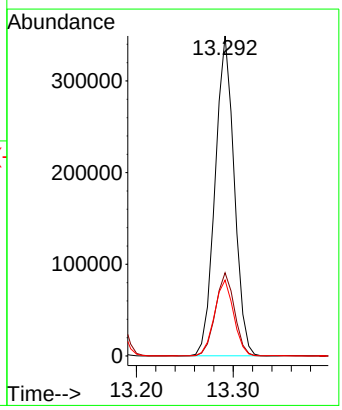


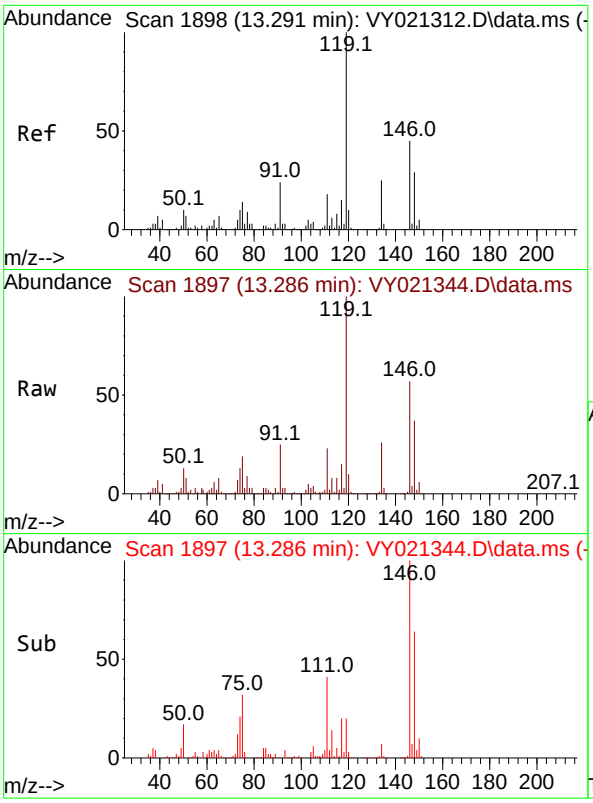


#86
p-Isopropyltoluene
Concen: 47.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 477095

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	23.9	12.0	36.1



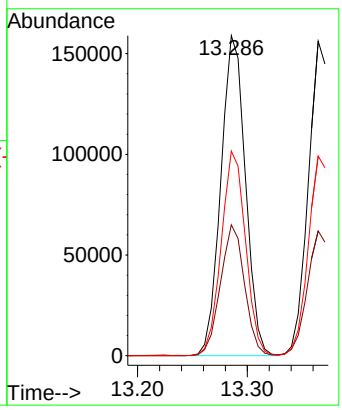


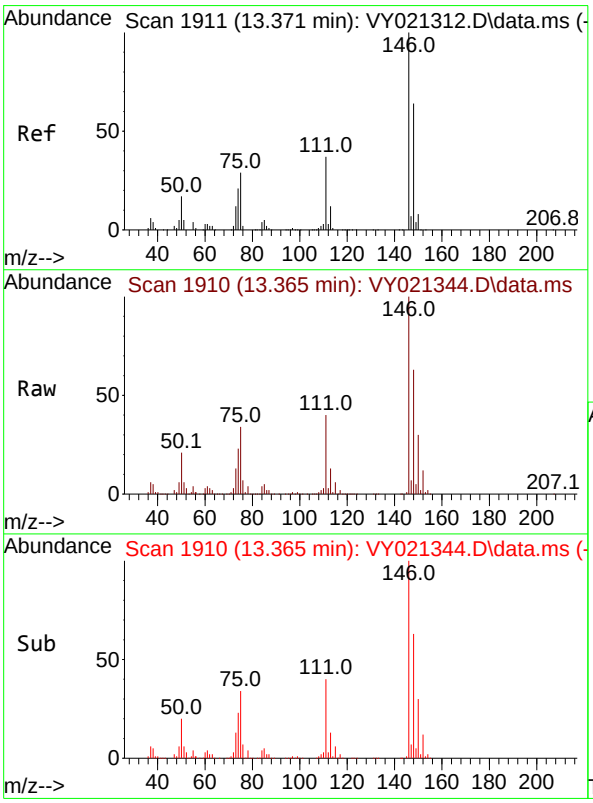
#87
1,3-Dichlorobenzene
Concen: 48.238 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 247228

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.3	31.9	95.9

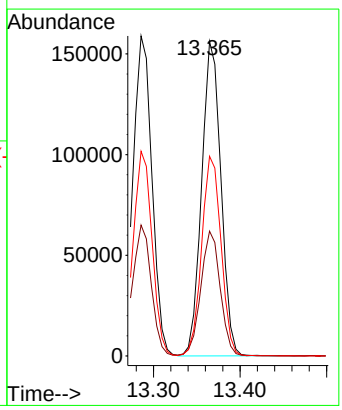


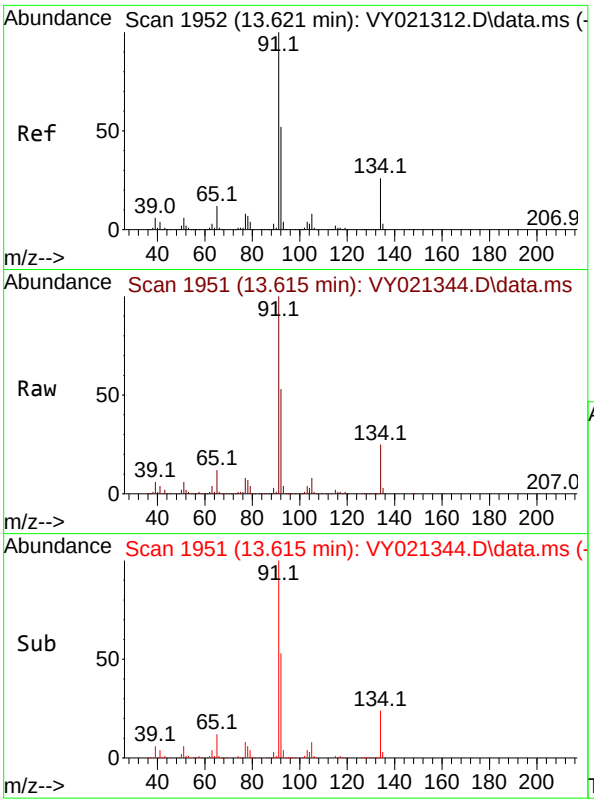


#88
1,4-Dichlorobenzene
Concen: 47.661 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 241313

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	64.0	32.0	96.2



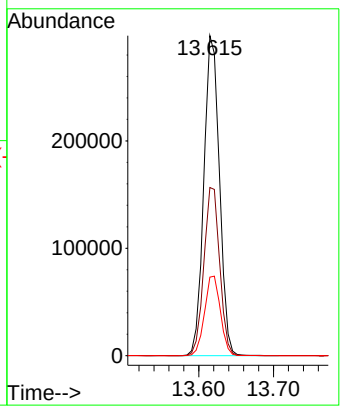


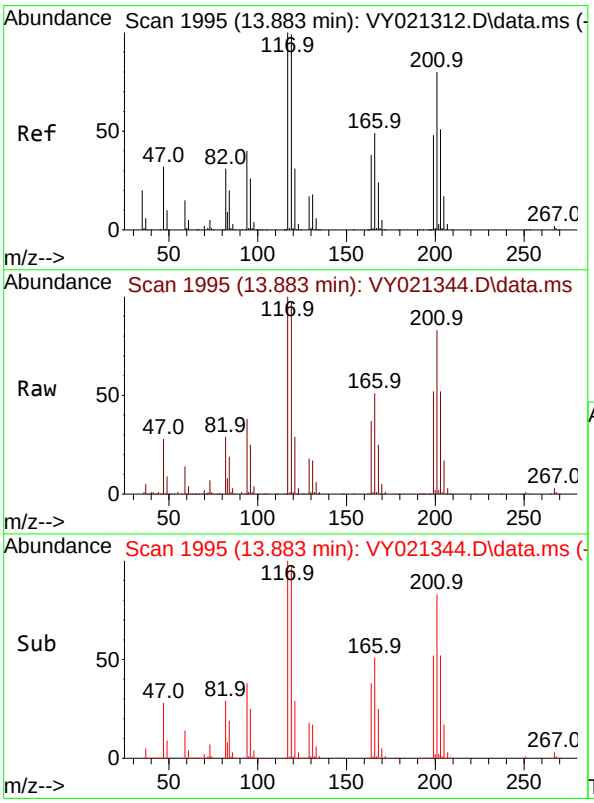
#89
n-Butylbenzene
Concen: 45.583 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 431776

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.3	12.7	38.0

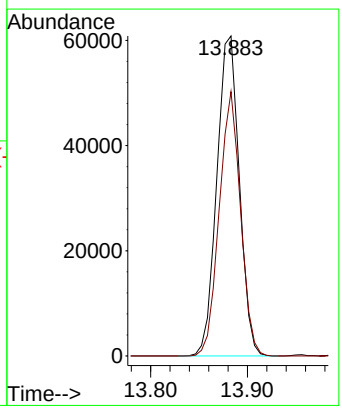


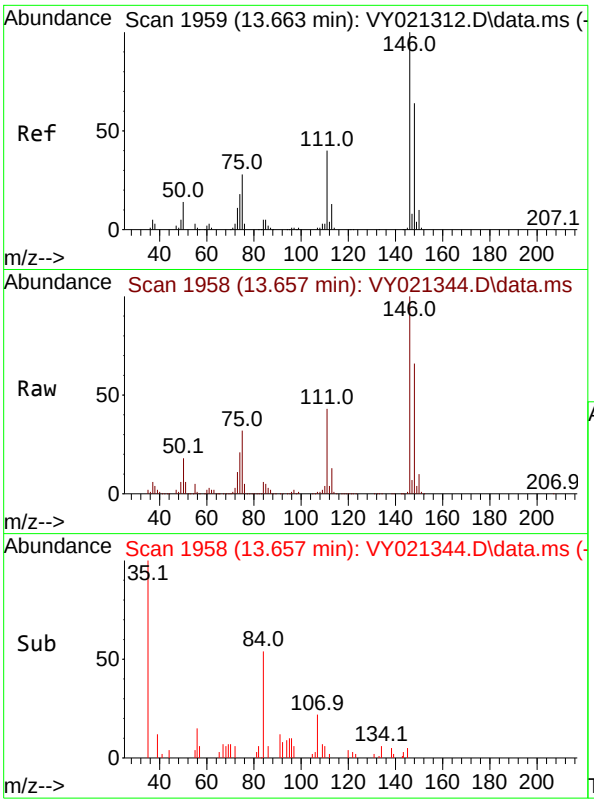


#90
Hexachloroethane
Concen: 46.606 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 97989

Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.4	115.2



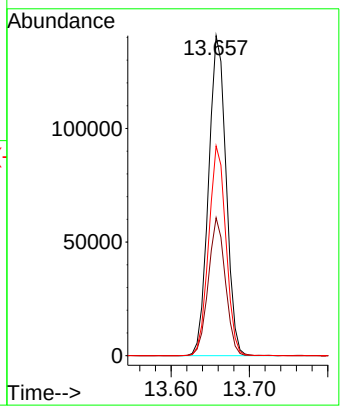


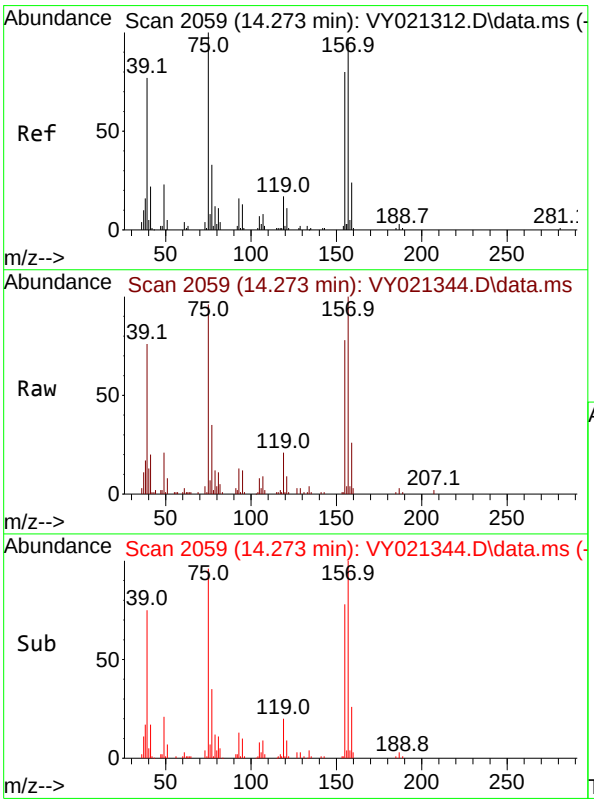
#91
1,2-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 218493

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	64.6	31.7	95.1

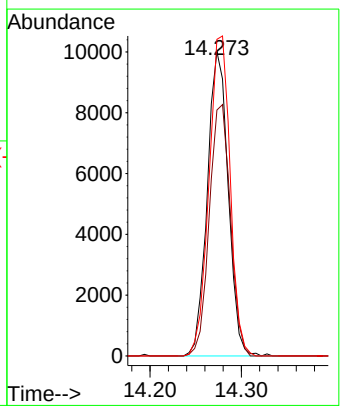


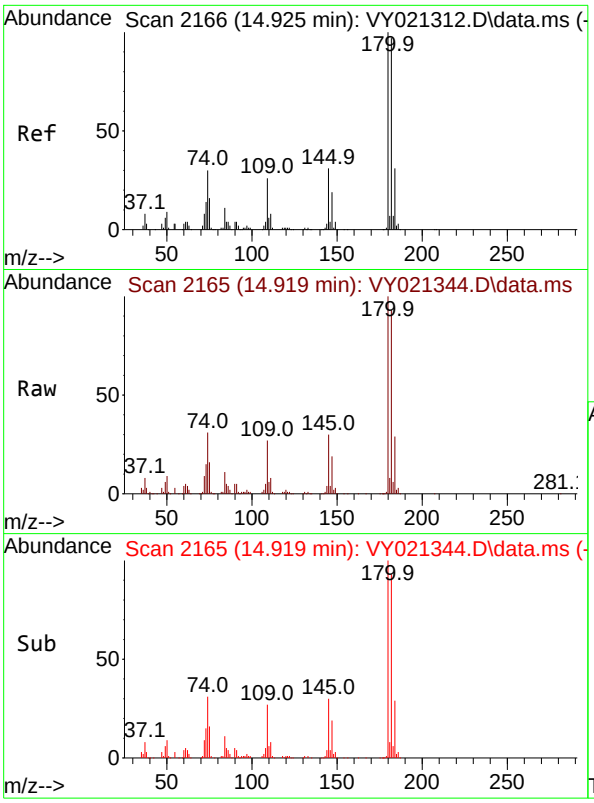


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.037 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15872

Ion	Ratio	Lower	Upper
75	100		
155	83.3	41.9	125.6
157	106.6	52.5	157.6



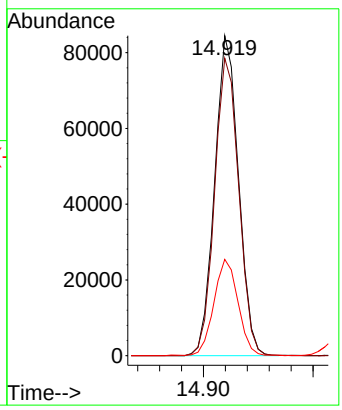


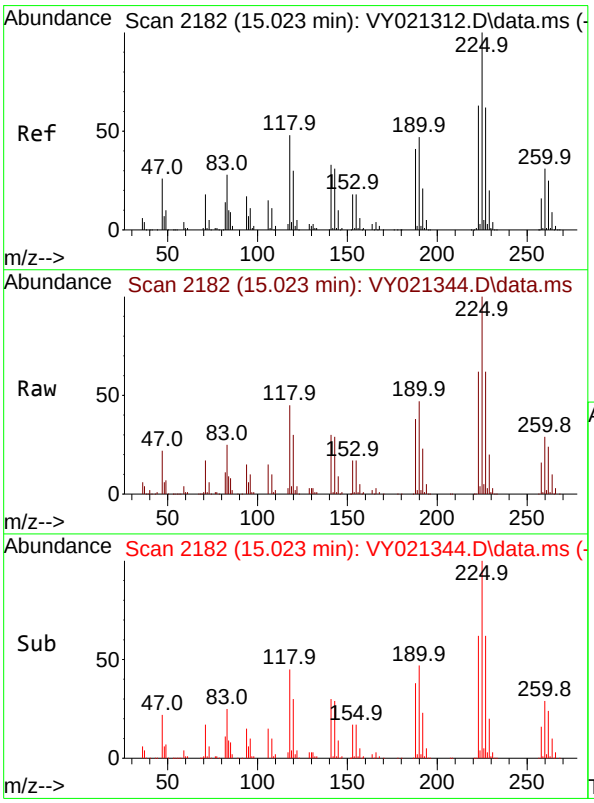
#93
1,2,4-Trichlorobenzene
Concen: 46.535 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 127534

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	30.6	15.6	46.8

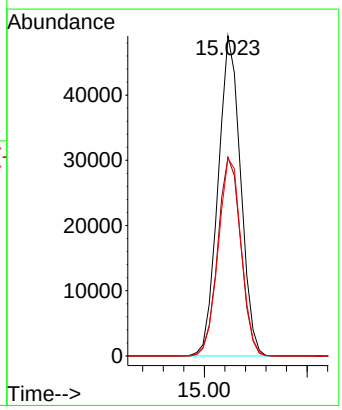


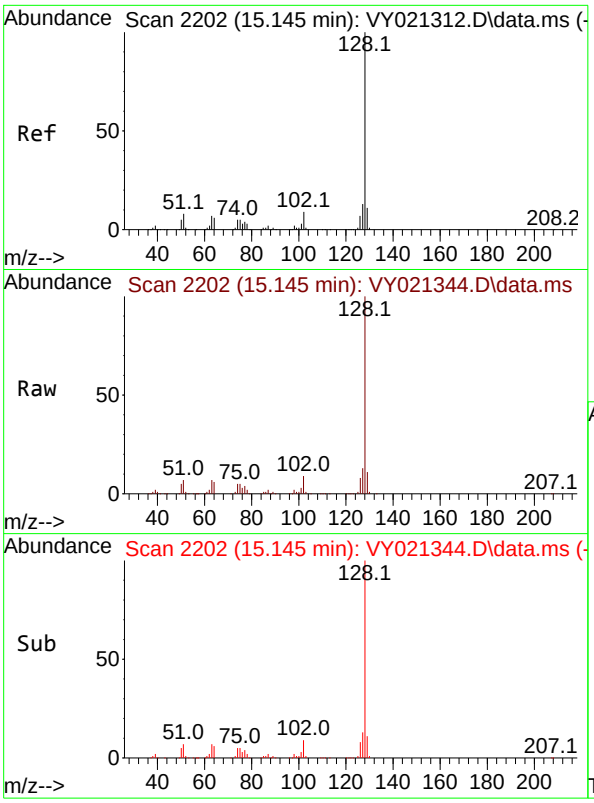


#94
Hexachlorobutadiene
Concen: 43.221 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:225 Resp: 74574

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.4
227	63.0	31.9	95.7



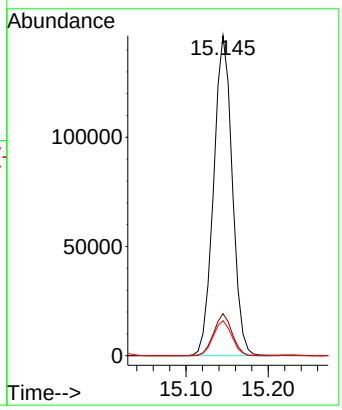


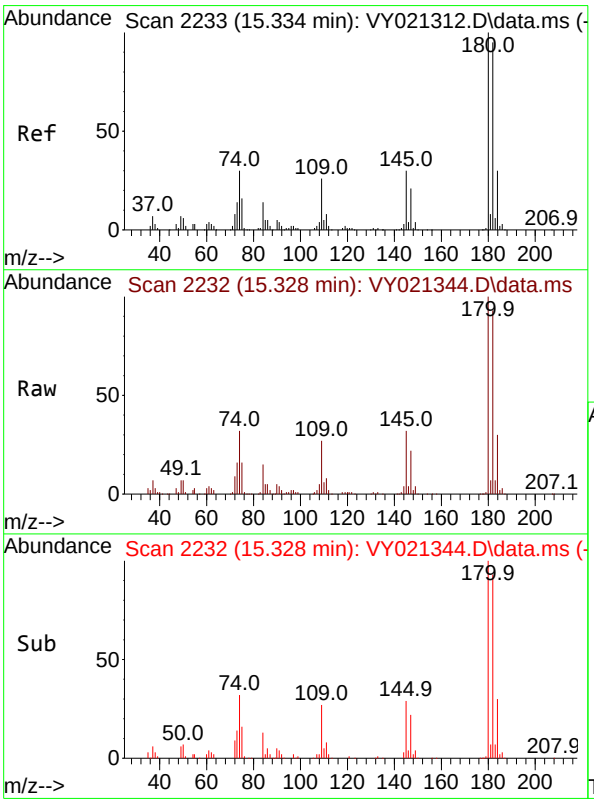
#95
Naphthalene
Concen: 50.863 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

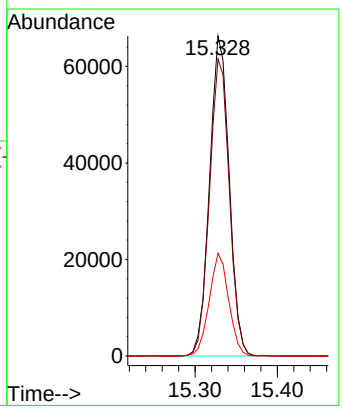
Tgt Ion:128 Resp: 230889

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.5	12.7





#96
1,2,3-Trichlorobenzene
Concen: 47.484 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 109952

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	31.9	16.1	48.3